

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: McGRAW-EDISON

Report Number: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-720PL-RGB-2R_RED-ONLY**

Issue Date: 11/1/2023

Test Information

Test Method: LM-79-08
Report Number: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-140-5)
Test Lab: INNOVATION CENTER
Issue Date: 11/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: EPH-LS-16-720PL-RGB-2R_RED-ONLY
Description: LUMASPORT 16 PRISM RGB
Light Source: -
Ballast/Driver: -

Summary

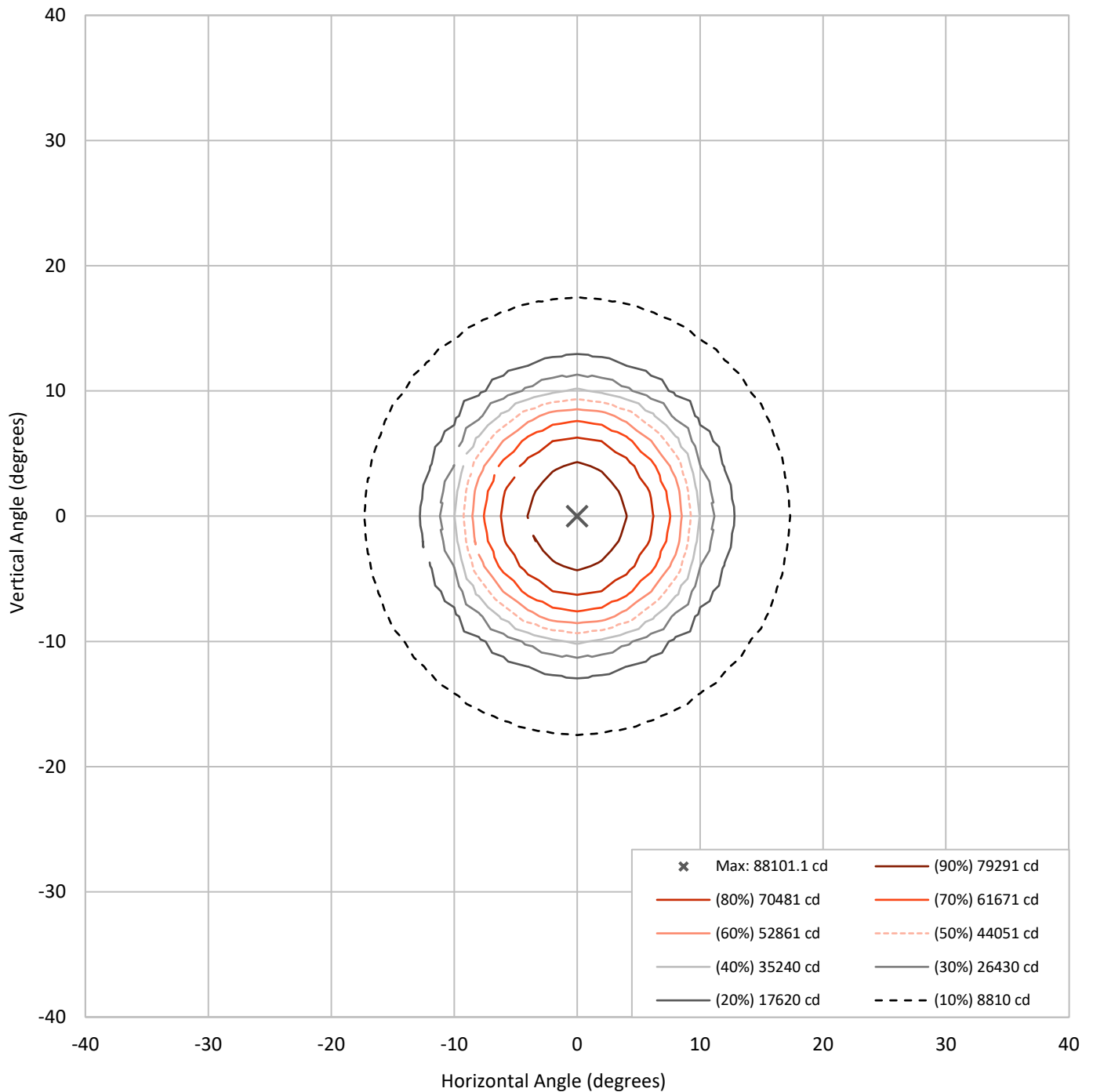
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	14383.1 lumens	Max Intensity:	88101.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	38.5 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	18.5°H x 18.7°V	Field Angle (10%):	34.4°H x 34.7°V
Beam Lumens:	5559.3 lumens	Field Lumens:	9043.9 lumens
Beam Efficiency:	38.7%	Field Efficiency:	62.9%

Input Watts (W): 373.3
Input Voltage (V): NR
Input Current (A_{in}): 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: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

Iso-Candela Plot





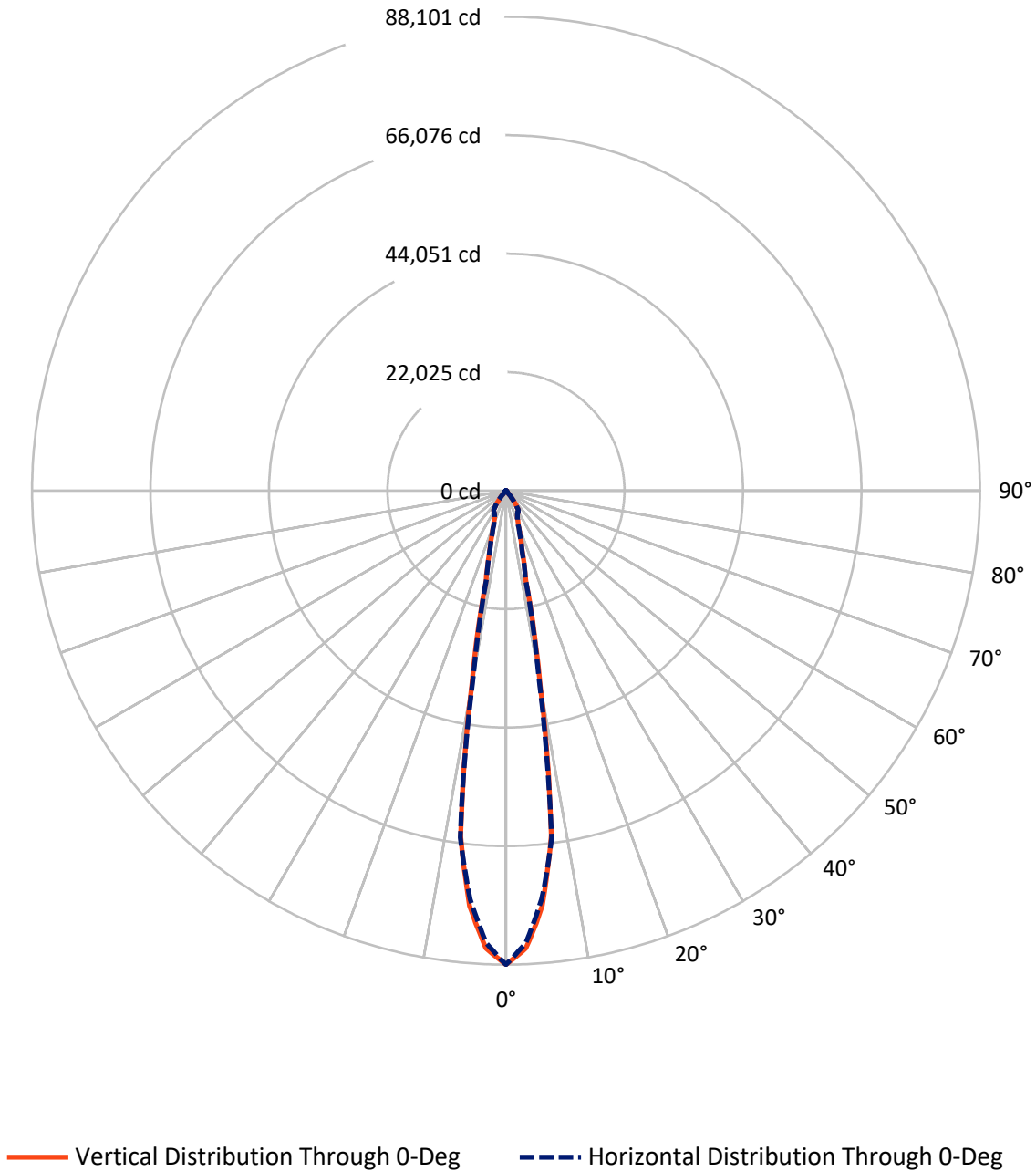
REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

Lumen Table

90	0.0	0.1	0.2	0.4	0.5	0.4	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.4	0.5	0.4	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0			
60		0.1	0.2	0.4	0.7	1.0	1.4	2.3	2.3	1.4	1.0	0.7	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.7	1.2	2.0	4.5	7.9	7.9	4.5	2.0	1.2	0.7	0.3	0.1	0.1			
40		0.2	0.5	1.1	3.2	20.7	59.4	88.7	88.7	59.4	20.7	3.2	1.1	0.5	0.2				
30	0.1	0.2	0.7	1.8	18.4	87.8	133.2	153.8	153.8	133.2	87.8	18.4	1.8	0.7	0.2	0.1			
20		0.3	1.1	4.3	51.6	125.2	189.5	361.7	361.7	189.5	125.2	51.6	4.3	1.1	0.3				
10	0.1	0.3	1.5	7.1	73.8	139.8	345.8	1697.8	1697.8	345.8	139.8	73.8	7.1	1.5	0.3	0.1			
0		0.3	1.5	7.1	73.8	139.8	345.8	1697.8	1697.8	345.8	139.8	73.8	7.1	1.5	0.3				
-10	0.1	0.3	1.1	4.3	51.6	125.2	189.5	361.7	361.7	189.5	125.2	51.6	4.3	1.1	0.3	0.1			
-20		0.2	0.7	1.8	18.4	87.8	133.2	153.8	153.8	133.2	87.8	18.4	1.8	0.7	0.2				
-30	0.1	0.2	0.5	1.1	3.2	20.7	59.4	88.7	88.7	59.4	20.7	3.2	1.1	0.5	0.2	0.1			
-40		0.1	0.3	0.7	1.2	2.0	4.5	7.9	7.9	4.5	2.0	1.2	0.7	0.3	0.1				
-50	0.0	0.1	0.2	0.4	0.7	1.0	1.4	2.3	2.3	1.4	1.0	0.7	0.4	0.2	0.1	0.0			
-60		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0				
-70	0.0	0.1	0.2	0.4	0.7	1.0	1.4	2.3	2.3	1.4	1.0	0.7	0.4	0.2	0.1	0.0			
-80		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0				
-90	0.0	0.1	0.2	0.4	0.5	0.4	0.2	0.1	0.0										

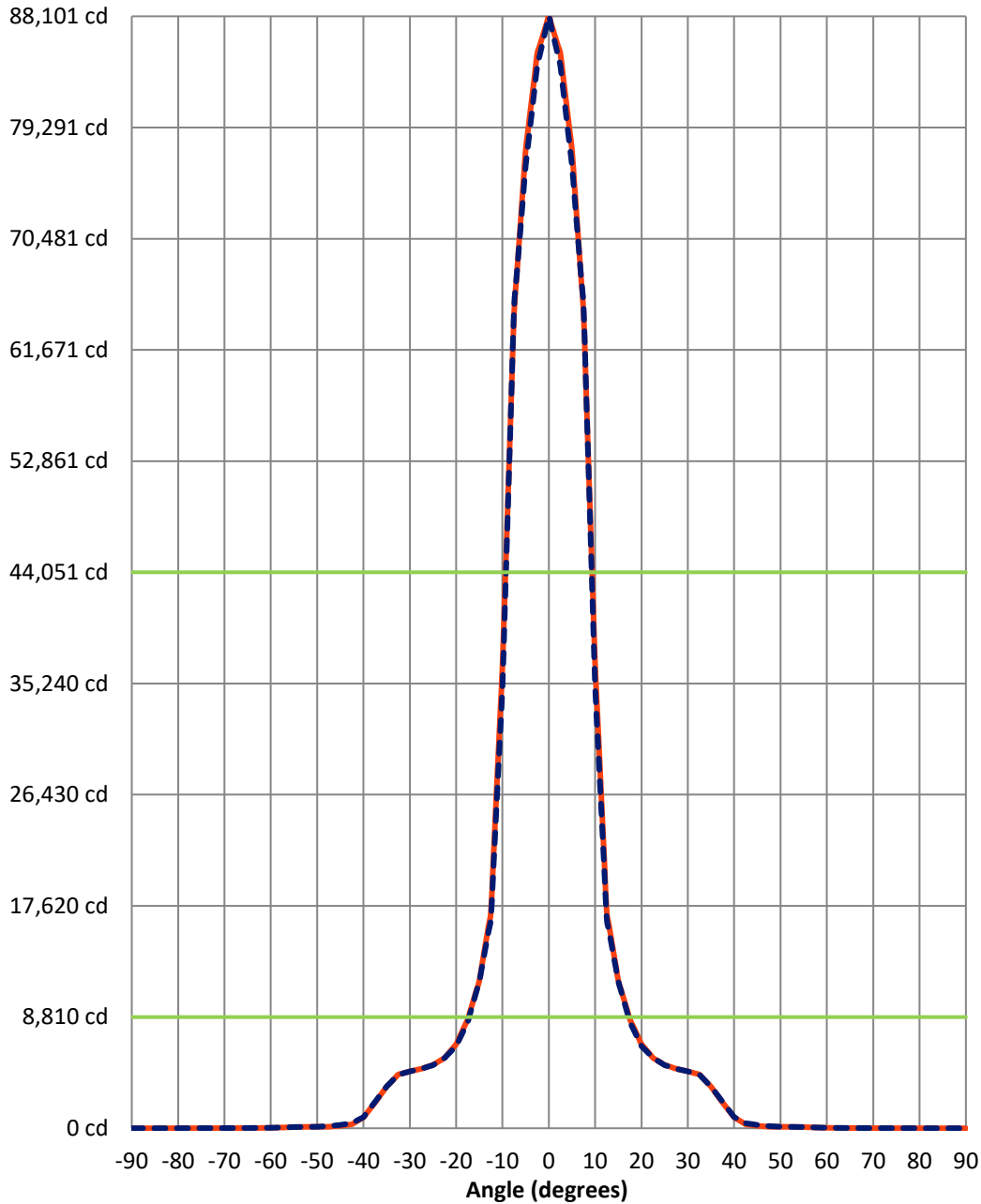
REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

Luminous Intensity Polar Plot



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

Luminous Intensity Plot



Beam:
 H Angle: 18.5°
 V Angle: 18.7°
 Lumens: 5559.3
 Efficiency: 38.7%

Field:
 H Angle: 34.4°
 V Angle: 34.7°
 Lumens: 9043.9
 Efficiency: 62.9%

Spill:
 Lumens: 5339.2
 Efficiency: 37.1%

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



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

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	2.0	2.0
80°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.4	0.9	1.3	1.7	2.0	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.6	1.2	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	0.0	0.7	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6
67.5°	0.0	0.8	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.7	3.4
65°	0.0	0.8	1.7	2.0	2.0	2.0	2.0	2.0	2.6	3.4	3.9
62.5°	0.0	0.9	1.8	2.0	2.0	2.0	2.0	2.4	3.2	3.9	3.9
60°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.9	3.8	3.9	3.9
57.5°	0.0	1.1	2.0	2.0	2.0	2.0	2.4	3.4	3.9	3.9	4.4
55°	0.0	1.1	2.0	2.0	2.0	2.0	2.8	3.8	3.9	4.0	5.1
52.5°	0.0	1.2	2.0	2.0	2.0	2.1	3.2	3.9	3.9	4.7	5.8
50°	0.0	1.3	2.0	2.0	2.0	2.4	3.6	3.9	4.1	5.3	7.1
47.5°	0.0	1.4	2.0	2.0	2.0	2.7	3.9	3.9	4.6	5.9	8.4
45°	0.0	1.4	2.0	2.0	2.0	3.0	3.9	3.9	5.2	7.0	9.6
42.5°	0.0	1.5	2.0	2.0	2.0	3.3	3.9	4.2	5.8	8.1	10.3
40°	0.0	1.5	2.0	2.0	2.1	3.6	3.9	4.8	6.5	9.1	10.9
37.5°	0.0	1.6	2.0	2.0	2.3	3.8	3.9	5.4	7.4	9.9	11.4
35°	0.0	1.6	2.0	2.0	2.5	3.9	3.9	5.9	8.2	10.4	12.1
32.5°	0.0	1.7	2.0	2.0	2.7	3.9	4.0	6.5	8.9	10.8	13.1
30°	0.0	1.7	2.0	2.0	2.9	3.9	4.5	7.2	9.5	11.2	14.1
27.5°	0.0	1.8	2.0	2.0	3.0	3.9	5.0	7.7	9.9	11.6	14.9
25°	0.0	1.8	2.0	2.0	3.2	3.9	5.4	8.1	10.2	12.2	15.8
22.5°	0.0	1.8	2.0	2.0	3.3	3.9	5.9	8.5	10.5	12.8	17.0
20°	0.0	1.9	2.0	2.0	3.4	4.1	6.3	8.8	10.7	13.4	18.2
17.5°	0.0	1.9	2.0	2.0	3.5	4.3	6.7	9.1	11.0	13.9	19.4
15°	0.0	1.9	2.0	2.0	3.6	4.5	7.1	9.3	11.2	14.4	20.4
12.5°	0.0	2.0	2.0	2.0	3.7	4.7	7.3	9.5	11.5	14.8	21.4
10°	0.0	2.0	2.0	2.0	3.8	4.9	7.5	9.6	11.9	15.2	22.2
7.5°	0.0	2.0	2.0	2.0	3.8	5.2	7.7	9.7	12.4	15.4	22.8
5°	0.0	2.0	2.0	2.0	3.9	5.4	7.7	9.7	12.9	15.6	23.2
2.5°	0.0	2.0	2.0	2.0	3.9	5.7	7.8	9.8	13.3	15.7	23.4
0°	0.0	2.0	2.0	2.0	3.9	5.9	7.8	9.8	13.7	15.7	23.5
-2.5°	0.0	2.0	2.0	2.0	3.9	5.7	7.8	9.8	13.3	15.7	23.4
-5°	0.0	2.0	2.0	2.0	3.9	5.4	7.7	9.7	12.9	15.6	23.2
-7.5°	0.0	2.0	2.0	2.0	3.8	5.2	7.7	9.7	12.4	15.4	22.8
-10°	0.0	2.0	2.0	2.0	3.8	4.9	7.5	9.6	11.9	15.2	22.2
-12.5°	0.0	2.0	2.0	2.0	3.7	4.7	7.3	9.5	11.5	14.8	21.4
-15°	0.0	1.9	2.0	2.0	3.6	4.5	7.1	9.3	11.2	14.4	20.4
-17.5°	0.0	1.9	2.0	2.0	3.5	4.3	6.7	9.1	11.0	13.9	19.4
-20°	0.0	1.9	2.0	2.0	3.4	4.1	6.3	8.8	10.7	13.4	18.2



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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	1.8	2.0	2.0	3.3	3.9	5.9	8.5	10.5	12.8	17.0
-25°	0.0	1.8	2.0	2.0	3.2	3.9	5.4	8.1	10.2	12.2	15.8
-27.5°	0.0	1.8	2.0	2.0	3.0	3.9	5.0	7.7	9.9	11.6	14.9
-30°	0.0	1.7	2.0	2.0	2.9	3.9	4.5	7.2	9.5	11.2	14.1
-32.5°	0.0	1.7	2.0	2.0	2.7	3.9	4.0	6.5	8.9	10.8	13.1
-35°	0.0	1.6	2.0	2.0	2.5	3.9	3.9	5.9	8.2	10.4	12.1
-37.5°	0.0	1.6	2.0	2.0	2.3	3.8	3.9	5.4	7.4	9.9	11.4
-40°	0.0	1.5	2.0	2.0	2.1	3.6	3.9	4.8	6.5	9.1	10.9
-42.5°	0.0	1.5	2.0	2.0	2.0	3.3	3.9	4.2	5.8	8.1	10.3
-45°	0.0	1.4	2.0	2.0	2.0	3.0	3.9	3.9	5.2	7.0	9.6
-47.5°	0.0	1.4	2.0	2.0	2.0	2.7	3.9	3.9	4.6	5.9	8.4
-50°	0.0	1.3	2.0	2.0	2.0	2.4	3.6	3.9	4.1	5.3	7.1
-52.5°	0.0	1.2	2.0	2.0	2.0	2.1	3.2	3.9	3.9	4.7	5.8
-55°	0.0	1.1	2.0	2.0	2.0	2.0	2.8	3.8	3.9	4.0	5.1
-57.5°	0.0	1.1	2.0	2.0	2.0	2.0	2.4	3.4	3.9	3.9	4.4
-60°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.9	3.8	3.9	3.9
-62.5°	0.0	0.9	1.8	2.0	2.0	2.0	2.0	2.4	3.2	3.9	3.9
-65°	0.0	0.8	1.7	2.0	2.0	2.0	2.0	2.0	2.6	3.4	3.9
-67.5°	0.0	0.8	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.7	3.4
-70°	0.0	0.7	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6
-72.5°	0.0	0.6	1.2	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-75°	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-77.5°	0.0	0.4	0.9	1.3	1.7	2.0	2.0	2.0	2.0	2.0	2.0
-80°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.0	2.0	2.0	2.0
-82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.0	2.0
-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



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	0.7	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.4	1.0	0.6	0.3	0.4	0.6	0.7	0.8	0.9	1.1	1.2
82.5°	1.7	1.5	1.4	1.4	1.6	1.9	2.0	2.0	2.0	2.0	2.0
80°	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3
77.5°	2.0	2.0	2.0	2.0	2.1	2.4	2.7	3.0	3.3	3.6	3.8
75°	2.0	2.0	2.4	2.8	3.2	3.6	3.9	3.9	3.9	3.9	3.9
72.5°	2.4	2.9	3.4	3.8	3.9	3.9	3.9	3.9	4.1	4.6	4.9
70°	3.2	3.8	3.9	3.9	3.9	4.1	4.6	5.1	5.6	6.0	6.5
67.5°	3.9	3.9	3.9	4.0	4.7	5.3	5.9	6.4	7.0	7.5	8.0
65°	3.9	3.9	4.4	5.1	5.8	6.5	7.1	7.7	8.8	9.7	10.3
62.5°	3.9	4.6	5.4	6.3	7.0	7.6	8.9	10.2	11.5	12.1	12.6
60°	4.6	5.5	6.6	7.7	8.4	9.7	11.3	12.3	13.0	13.8	16.4
57.5°	5.4	6.8	8.2	9.2	10.4	11.9	12.7	13.6	16.3	19.3	21.9
55°	6.5	8.5	9.7	10.8	12.1	13.1	14.6	18.2	21.5	23.2	25.0
52.5°	8.0	10.0	10.9	12.3	13.6	15.6	19.3	22.5	24.7	26.4	28.7
50°	9.4	10.7	12.0	13.9	16.1	19.8	23.2	25.9	28.0	30.2	32.3
47.5°	10.3	11.5	13.7	16.0	19.6	23.2	26.6	28.9	31.1	33.5	35.3
45°	11.0	12.8	15.4	18.9	22.7	26.3	29.2	31.3	34.4	37.3	42.0
42.5°	11.6	14.3	17.6	21.5	25.4	29.0	31.7	34.8	38.6	43.8	48.2
40°	12.8	15.7	19.9	24.0	28.1	31.6	34.9	38.8	44.6	49.4	53.6
37.5°	14.1	17.7	22.0	26.4	30.7	34.4	38.1	44.3	49.8	54.4	58.8
35°	15.3	19.6	24.1	28.8	33.3	37.3	42.9	49.4	54.8	59.3	64.3
32.5°	16.7	21.4	26.1	31.3	36.2	40.9	47.6	54.2	59.6	64.5	70.4
30°	18.2	23.1	28.1	33.8	39.4	46.3	52.6	58.9	64.1	70.4	115.1
27.5°	19.8	24.6	30.3	36.7	43.3	52.3	59.0	63.3	69.1	87.8	173.6
25°	21.4	26.4	32.5	39.8	48.7	58.4	65.6	69.7	74.6	135.5	268.3
22.5°	22.8	27.9	34.7	43.0	54.5	64.6	71.6	77.2	99.2	180.3	354.2
20°	24.2	29.8	37.6	48.5	60.9	71.0	77.7	85.3	144.7	273.3	524.5
17.5°	25.4	31.5	41.4	55.6	69.4	78.4	84.0	93.6	190.3	365.4	746.0
15°	26.5	33.0	45.7	63.0	77.9	86.8	94.9	128.7	253.4	482.0	953.9
12.5°	27.5	34.3	50.4	70.6	86.3	94.8	109.3	168.2	317.5	639.9	1321.9
10°	28.3	35.5	55.1	78.2	94.6	102.7	125.7	200.6	363.2	748.1	1601.5
7.5°	28.8	36.6	59.5	85.6	102.6	110.2	143.3	226.4	393.8	829.1	1809.7
5°	29.1	37.6	61.9	90.0	107.0	115.5	159.5	246.4	411.1	882.9	1954.2
2.5°	29.3	38.4	63.6	93.4	108.6	117.6	166.7	258.2	411.3	901.0	2049.0
0°	29.4	39.1	64.6	95.9	109.6	119.4	172.2	266.1	401.1	888.3	2093.6
-2.5°	29.3	38.4	63.6	93.4	108.6	117.6	166.7	258.2	411.3	901.0	2049.0
-5°	29.1	37.6	61.9	90.0	107.0	115.5	159.5	246.4	411.1	882.9	1954.2
-7.5°	28.8	36.6	59.5	85.6	102.6	110.2	143.3	226.4	393.8	829.1	1809.7
-10°	28.3	35.5	55.1	78.2	94.6	102.7	125.7	200.6	363.2	748.1	1601.5
-12.5°	27.5	34.3	50.4	70.6	86.3	94.8	109.3	168.2	317.5	639.9	1321.9
-15°	26.5	33.0	45.7	63.0	77.9	86.8	94.9	128.7	253.4	482.0	953.9
-17.5°	25.4	31.5	41.4	55.6	69.4	78.4	84.0	93.6	190.3	365.4	746.0
-20°	24.2	29.8	37.6	48.5	60.9	71.0	77.7	85.3	144.7	273.3	524.5



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	22.8	27.9	34.7	43.0	54.5	64.6	71.6	77.2	99.2	180.3	354.2
-25°	21.4	26.4	32.5	39.8	48.7	58.4	65.6	69.7	74.6	135.5	268.3
-27.5°	19.8	24.6	30.3	36.7	43.3	52.3	59.0	63.3	69.1	87.8	173.6
-30°	18.2	23.1	28.1	33.8	39.4	46.3	52.6	58.9	64.1	70.4	115.1
-32.5°	16.7	21.4	26.1	31.3	36.2	40.9	47.6	54.2	59.6	64.5	70.4
-35°	15.3	19.6	24.1	28.8	33.3	37.3	42.9	49.4	54.8	59.3	64.3
-37.5°	14.1	17.7	22.0	26.4	30.7	34.4	38.1	44.3	49.8	54.4	58.8
-40°	12.8	15.7	19.9	24.0	28.1	31.6	34.9	38.8	44.6	49.4	53.6
-42.5°	11.6	14.3	17.6	21.5	25.4	29.0	31.7	34.8	38.6	43.8	48.2
-45°	11.0	12.8	15.4	18.9	22.7	26.3	29.2	31.3	34.4	37.3	42.0
-47.5°	10.3	11.5	13.7	16.0	19.6	23.2	26.6	28.9	31.1	33.5	35.3
-50°	9.4	10.7	12.0	13.9	16.1	19.8	23.2	25.9	28.0	30.2	32.3
-52.5°	8.0	10.0	10.9	12.3	13.6	15.6	19.3	22.5	24.7	26.4	28.7
-55°	6.5	8.5	9.7	10.8	12.1	13.1	14.6	18.2	21.5	23.2	25.0
-57.5°	5.4	6.8	8.2	9.2	10.4	11.9	12.7	13.6	16.3	19.3	21.9
-60°	4.6	5.5	6.6	7.7	8.4	9.7	11.3	12.3	13.0	13.8	16.4
-62.5°	3.9	4.6	5.4	6.3	7.0	7.6	8.9	10.2	11.5	12.1	12.6
-65°	3.9	3.9	4.4	5.1	5.8	6.5	7.1	7.7	8.8	9.7	10.3
-67.5°	3.9	3.9	3.9	4.0	4.7	5.3	5.9	6.4	7.0	7.5	8.0
-70°	3.2	3.8	3.9	3.9	3.9	4.1	4.6	5.1	5.6	6.0	6.5
-72.5°	2.4	2.9	3.4	3.8	3.9	3.9	3.9	3.9	4.1	4.6	4.9
-75°	2.0	2.0	2.4	2.8	3.2	3.6	3.9	3.9	3.9	3.9	3.9
-77.5°	2.0	2.0	2.0	2.0	2.1	2.4	2.7	3.0	3.3	3.6	3.8
-80°	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3
-82.5°	1.7	1.5	1.4	1.4	1.6	1.9	2.0	2.0	2.0	2.0	2.0
-85°	1.4	1.0	0.6	0.3	0.4	0.6	0.7	0.8	0.9	1.1	1.2
-87.5°	0.7	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9	1.9	1.9
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.5	2.7	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
75°	3.9	4.0	4.3	4.5	4.8	5.0	5.2	5.3	5.5	5.6	5.7
72.5°	5.3	5.7	6.0	6.3	6.5	6.8	7.0	7.2	7.3	7.5	7.6
70°	6.9	7.2	7.6	7.9	8.2	8.5	8.8	9.0	9.2	9.4	9.5
67.5°	8.5	8.9	9.3	9.7	10.3	10.9	11.5	12.0	12.4	12.8	13.1
65°	10.7	11.2	12.1	12.9	13.8	14.8	15.8	16.7	17.5	18.1	18.6
62.5°	13.3	15.0	16.9	18.4	19.4	20.2	21.4	22.7	24.0	25.2	26.0
60°	18.9	21.3	22.8	23.9	24.8	25.5	27.1	28.7	30.2	31.6	33.2
57.5°	23.7	25.8	27.6	28.5	29.5	30.8	32.5	34.7	37.2	40.0	45.0
55°	27.3	29.4	31.0	32.7	34.4	36.0	38.3	42.7	47.5	52.6	62.3
52.5°	31.1	33.1	35.4	37.8	40.6	43.6	47.0	53.2	59.9	67.0	78.5
50°	34.4	37.4	41.1	44.4	48.2	51.9	55.3	62.6	70.3	77.7	88.2
47.5°	39.7	44.1	48.0	52.1	56.2	59.9	63.7	70.1	76.8	82.6	90.6
45°	46.2	50.4	54.8	58.7	62.8	66.9	70.8	75.3	96.5	114.4	130.4
42.5°	51.9	56.1	60.5	64.9	68.8	86.7	118.6	146.0	185.7	235.0	279.0
40°	57.6	61.7	67.0	82.8	124.2	162.2	238.9	302.6	394.4	547.4	679.0
37.5°	63.5	68.7	112.8	166.2	258.2	334.1	512.5	708.0	886.4	1252.1	1567.2
35°	70.2	129.8	217.1	366.6	528.9	768.0	1078.2	1542.0	1951.8	2371.9	2725.7
32.5°	130.3	233.2	427.3	726.6	1021.5	1539.5	2069.0	2590.7	3073.8	3461.4	3742.7
30°	213.5	407.7	743.1	1203.2	1860.6	2470.3	3057.1	3544.0	3944.1	4245.8	4341.1
27.5°	352.0	659.9	1124.7	1920.8	2699.2	3375.2	3837.7	4223.9	4372.5	4497.2	4560.9
25°	514.5	938.8	1767.9	2637.0	3447.4	4003.9	4306.4	4465.9	4572.3	4665.1	4760.6
22.5°	752.3	1489.5	2409.9	3338.7	3993.9	4337.4	4506.1	4628.4	4758.8	4913.8	5079.9
20°	1052.9	2046.7	3038.6	3837.2	4316.3	4511.5	4654.1	4815.9	5030.7	5295.0	5602.3
17.5°	1550.8	2573.6	3532.7	4241.7	4478.4	4634.7	4825.9	5088.4	5453.7	5898.8	6488.3
15°	2006.7	3057.7	3932.7	4377.7	4574.2	4772.3	5058.0	5468.6	6024.4	6872.8	8005.4
12.5°	2397.5	3431.4	4232.7	4497.4	4670.2	4927.2	5320.0	5927.7	6839.4	8300.5	10296.1
10°	2712.5	3707.7	4324.6	4554.2	4761.9	5084.4	5618.0	6489.7	7922.0	10258.7	12971.2
7.5°	2954.1	3929.3	4399.6	4609.7	4848.1	5255.5	5945.0	7116.3	9306.0	12291.0	16619.5
5°	3134.9	4092.4	4458.3	4660.1	4943.5	5400.2	6232.0	7706.0	10473.8	14263.5	23491.5
2.5°	3252.2	4196.6	4495.7	4700.7	5006.2	5496.3	6422.5	8183.4	11253.9	16062.0	31350.6
0°	3300.9	4244.0	4506.2	4712.6	5001.3	5572.6	6509.8	8416.6	11636.3	16596.5	34977.5
-2.5°	3252.2	4196.6	4495.7	4700.7	5006.2	5496.3	6422.5	8183.4	11253.9	16062.0	31350.6
-5°	3134.9	4092.4	4458.3	4660.1	4943.5	5400.2	6232.0	7706.0	10473.8	14263.5	23491.5
-7.5°	2954.1	3929.3	4399.6	4609.7	4848.1	5255.5	5945.0	7116.3	9306.0	12291.0	16619.5
-10°	2712.5	3707.7	4324.6	4554.2	4761.9	5084.4	5618.0	6489.7	7922.0	10258.7	12971.2
-12.5°	2397.5	3431.4	4232.7	4497.4	4670.2	4927.2	5320.0	5927.7	6839.4	8300.5	10296.1
-15°	2006.7	3057.7	3932.7	4377.7	4574.2	4772.3	5058.0	5468.6	6024.4	6872.8	8005.4
-17.5°	1550.8	2573.6	3532.7	4241.7	4478.4	4634.7	4825.9	5088.4	5453.7	5898.8	6488.3
-20°	1052.9	2046.7	3038.6	3837.2	4316.3	4511.5	4654.1	4815.9	5030.7	5295.0	5602.3



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	752.3	1489.5	2409.9	3338.7	3993.9	4337.4	4506.1	4628.4	4758.8	4913.8	5079.9
-25°	514.5	938.8	1767.9	2637.0	3447.4	4003.9	4306.4	4465.9	4572.3	4665.1	4760.6
-27.5°	352.0	659.9	1124.7	1920.8	2699.2	3375.2	3837.7	4223.9	4372.5	4497.2	4560.9
-30°	213.5	407.7	743.1	1203.2	1860.6	2470.3	3057.1	3544.0	3944.1	4245.8	4341.1
-32.5°	130.3	233.2	427.3	726.6	1021.5	1539.5	2069.0	2590.7	3073.8	3461.4	3742.7
-35°	70.2	129.8	217.1	366.6	528.9	768.0	1078.2	1542.0	1951.8	2371.9	2725.7
-37.5°	63.5	68.7	112.8	166.2	258.2	334.1	512.5	708.0	886.4	1252.1	1567.2
-40°	57.6	61.7	67.0	82.8	124.2	162.2	238.9	302.6	394.4	547.4	679.0
-42.5°	51.9	56.1	60.5	64.9	68.8	86.7	118.6	146.0	185.7	235.0	279.0
-45°	46.2	50.4	54.8	58.7	62.8	66.9	70.8	75.3	96.5	114.4	130.4
-47.5°	39.7	44.1	48.0	52.1	56.2	59.9	63.7	70.1	76.8	82.6	90.6
-50°	34.4	37.4	41.1	44.4	48.2	51.9	55.3	62.6	70.3	77.7	88.2
-52.5°	31.1	33.1	35.4	37.8	40.6	43.6	47.0	53.2	59.9	67.0	78.5
-55°	27.3	29.4	31.0	32.7	34.4	36.0	38.3	42.7	47.5	52.6	62.3
-57.5°	23.7	25.8	27.6	28.5	29.5	30.8	32.5	34.7	37.2	40.0	45.0
-60°	18.9	21.3	22.8	23.9	24.8	25.5	27.1	28.7	30.2	31.6	33.2
-62.5°	13.3	15.0	16.9	18.4	19.4	20.2	21.4	22.7	24.0	25.2	26.0
-65°	10.7	11.2	12.1	12.9	13.8	14.8	15.8	16.7	17.5	18.1	18.6
-67.5°	8.5	8.9	9.3	9.7	10.3	10.9	11.5	12.0	12.4	12.8	13.1
-70°	6.9	7.2	7.6	7.9	8.2	8.5	8.8	9.0	9.2	9.4	9.5
-72.5°	5.3	5.7	6.0	6.3	6.5	6.8	7.0	7.2	7.3	7.5	7.6
-75°	3.9	4.0	4.3	4.5	4.8	5.0	5.2	5.3	5.5	5.6	5.7
-77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-80°	2.5	2.7	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8
-82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-85°	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9	1.9	1.9
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.7	3.6	3.5
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
75°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.6	5.5	5.3
72.5°	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.3	7.2
70°	9.7	9.7	9.8	9.8	9.8	9.7	9.7	9.5	9.4	9.2	9.0
67.5°	13.4	13.6	13.7	13.7	13.7	13.6	13.4	13.1	12.8	12.4	12.0
65°	19.1	19.4	19.5	19.6	19.5	19.4	19.1	18.6	18.1	17.5	16.7
62.5°	26.6	27.0	26.4	25.4	26.4	27.0	26.6	26.0	25.2	24.0	22.7
60°	34.8	36.4	37.1	37.2	37.1	36.4	34.8	33.2	31.6	30.2	28.7
57.5°	50.5	56.1	59.2	60.7	59.2	56.1	50.5	45.0	40.0	37.2	34.7
55°	72.7	83.2	89.9	93.9	89.9	83.2	72.7	62.3	52.6	47.5	42.7
52.5°	91.2	103.7	110.7	113.5	110.7	103.7	91.2	78.5	67.0	59.9	53.2
50°	100.1	111.8	118.0	119.4	118.0	111.8	100.1	88.2	77.7	70.3	62.6
47.5°	102.0	113.4	120.0	121.3	120.0	113.4	102.0	90.6	82.6	76.8	70.1
45°	151.3	169.7	185.1	197.6	185.1	169.7	151.3	130.4	114.4	96.5	75.3
42.5°	306.5	319.0	320.5	315.0	320.5	319.0	306.5	279.0	235.0	185.7	146.0
40°	766.5	824.7	856.3	862.9	856.3	824.7	766.5	679.0	547.4	394.4	302.6
37.5°	1800.2	1957.2	2041.2	2036.9	2041.2	1957.2	1800.2	1567.2	1252.1	886.4	708.0
35°	2987.7	3159.3	3259.1	3297.0	3259.1	3159.3	2987.7	2725.7	2371.9	1951.8	1542.0
32.5°	3961.9	4117.8	4217.7	4255.8	4217.7	4117.8	3961.9	3742.7	3461.4	3073.8	2590.7
30°	4415.2	4465.2	4494.7	4510.1	4494.7	4465.2	4415.2	4341.1	4245.8	3944.1	3544.0
27.5°	4621.6	4664.1	4691.5	4713.7	4691.5	4664.1	4621.6	4560.9	4497.2	4372.5	4223.9
25°	4850.5	4939.5	4993.7	5022.8	4993.7	4939.5	4850.5	4760.6	4665.1	4572.3	4465.9
22.5°	5249.2	5411.1	5537.3	5572.6	5537.3	5411.1	5249.2	5079.9	4913.8	4758.8	4628.4
20°	5965.3	6294.2	6551.9	6656.6	6551.9	6294.2	5965.3	5602.3	5295.0	5030.7	4815.9
17.5°	7200.1	7947.9	8395.6	8634.8	8395.6	7947.9	7200.1	6488.3	5898.8	5453.7	5088.4
15°	9371.0	10547.8	11322.9	11683.3	11322.9	10547.8	9371.0	8005.4	6872.8	6024.4	5468.6
12.5°	12248.9	14260.7	16308.3	17129.7	16308.3	14260.7	12248.9	10296.1	8300.5	6839.4	5927.7
10°	16877.8	24833.8	32715.4	36683.7	32715.4	24833.8	16877.8	12971.2	10258.7	7922.0	6489.7
7.5°	29201.6	49198.6	62308.3	64599.6	62308.3	49198.6	29201.6	16619.5	12291.0	9306.0	7116.3
5°	50594.2	68234.8	75049.3	77497.9	75049.3	68234.8	50594.2	23491.5	14263.5	10473.8	7706.0
2.5°	62293.8	74402.3	81597.8	85145.6	81597.8	74402.3	62293.8	31350.6	16062.0	11253.9	8183.4
0°	65063.2	76249.6	84163.3	88101.1	84163.3	76249.6	65063.2	34977.5	16596.5	11636.3	8416.6
-2.5°	62293.8	74402.3	81597.8	85145.5	81597.8	74402.3	62293.8	31350.6	16062.0	11253.9	8183.4
-5°	50594.2	68234.8	75049.3	77497.9	75049.3	68234.8	50594.2	23491.5	14263.5	10473.8	7706.0
-7.5°	29201.6	49198.6	62308.3	64599.6	62308.3	49198.6	29201.6	16619.5	12291.0	9306.0	7116.3
-10°	16877.8	24833.8	32715.4	36683.7	32715.4	24833.8	16877.8	12971.2	10258.7	7922.0	6489.7
-12.5°	12248.9	14260.7	16308.3	17129.7	16308.3	14260.7	12248.9	10296.1	8300.5	6839.4	5927.7
-15°	9371.0	10547.8	11322.9	11683.3	11322.9	10547.8	9371.0	8005.4	6872.8	6024.4	5468.6
-17.5°	7200.1	7947.9	8395.6	8634.8	8395.6	7947.9	7200.1	6488.3	5898.8	5453.7	5088.4
-20°	5965.3	6294.2	6551.9	6656.6	6551.9	6294.2	5965.3	5602.3	5295.0	5030.7	4815.9



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5249.2	5411.1	5537.3	5572.6	5537.3	5411.1	5249.2	5079.9	4913.8	4758.8	4628.4
-25°	4850.5	4939.5	4993.7	5022.8	4993.7	4939.5	4850.5	4760.6	4665.1	4572.3	4465.9
-27.5°	4621.6	4664.1	4691.5	4713.6	4691.5	4664.1	4621.6	4560.9	4497.2	4372.5	4223.9
-30°	4415.2	4465.2	4494.7	4510.1	4494.7	4465.2	4415.2	4341.1	4245.8	3944.1	3544.0
-32.5°	3961.9	4117.8	4217.7	4255.8	4217.7	4117.8	3961.9	3742.7	3461.4	3073.8	2590.7
-35°	2987.7	3159.3	3259.1	3297.0	3259.1	3159.3	2987.7	2725.7	2371.9	1951.8	1542.0
-37.5°	1800.2	1957.2	2041.2	2036.9	2041.2	1957.2	1800.2	1567.2	1252.1	886.4	708.0
-40°	766.5	824.7	856.3	862.9	856.3	824.7	766.5	679.0	547.4	394.4	302.6
-42.5°	306.5	319.0	320.5	315.0	320.5	319.0	306.5	279.0	235.0	185.7	146.0
-45°	151.3	169.7	185.1	197.6	185.1	169.7	151.3	130.4	114.4	96.5	75.3
-47.5°	102.0	113.4	120.0	121.3	120.0	113.4	102.0	90.6	82.6	76.8	70.1
-50°	100.1	111.8	118.0	119.4	118.0	111.8	100.1	88.2	77.7	70.3	62.6
-52.5°	91.2	103.7	110.7	113.5	110.7	103.7	91.2	78.5	67.0	59.9	53.2
-55°	72.7	83.2	89.9	93.9	89.9	83.2	72.7	62.3	52.6	47.5	42.7
-57.5°	50.5	56.1	59.2	60.7	59.2	56.1	50.5	45.0	40.0	37.2	34.7
-60°	34.8	36.4	37.1	37.2	37.1	36.4	34.8	33.2	31.6	30.2	28.7
-62.5°	26.6	27.0	26.4	25.4	26.4	27.0	26.6	26.0	25.2	24.0	22.7
-65°	19.1	19.4	19.5	19.6	19.5	19.4	19.1	18.6	18.1	17.5	16.7
-67.5°	13.4	13.6	13.7	13.7	13.7	13.6	13.4	13.1	12.8	12.4	12.0
-70°	9.7	9.7	9.8	9.8	9.8	9.7	9.7	9.5	9.4	9.2	9.0
-72.5°	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.3	7.2
-75°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.6	5.5	5.3
-77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-80°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.7	3.6	3.5
-82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.1	0.9	0.8
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	3.4	3.3	3.2	3.0	2.9	2.7	2.5	2.3	2.1	2.0	2.0
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.6	3.3	3.0
75°	5.2	5.0	4.8	4.5	4.3	4.0	3.9	3.9	3.9	3.9	3.9
72.5°	7.0	6.8	6.5	6.3	6.0	5.7	5.3	4.9	4.6	4.1	3.9
70°	8.8	8.5	8.2	7.9	7.6	7.2	6.9	6.5	6.0	5.6	5.1
67.5°	11.5	10.9	10.3	9.7	9.3	8.9	8.5	8.0	7.5	7.0	6.4
65°	15.8	14.8	13.8	12.9	12.1	11.2	10.7	10.3	9.7	8.8	7.7
62.5°	21.4	20.2	19.4	18.4	16.9	15.0	13.3	12.6	12.1	11.5	10.2
60°	27.1	25.5	24.8	23.9	22.8	21.3	18.9	16.4	13.8	13.0	12.3
57.5°	32.5	30.8	29.5	28.5	27.6	25.8	23.7	21.9	19.3	16.3	13.6
55°	38.3	36.0	34.4	32.7	31.0	29.4	27.3	25.0	23.2	21.5	18.2
52.5°	47.0	43.6	40.6	37.8	35.4	33.1	31.1	28.7	26.4	24.7	22.5
50°	55.3	51.9	48.2	44.4	41.1	37.4	34.4	32.3	30.2	28.0	25.9
47.5°	63.7	59.9	56.2	52.1	48.0	44.1	39.7	35.3	33.5	31.1	28.9
45°	70.8	66.9	62.8	58.7	54.8	50.4	46.2	42.0	37.3	34.4	31.3
42.5°	118.6	86.7	68.8	64.9	60.5	56.1	51.9	48.2	43.8	38.6	34.8
40°	238.9	162.2	124.2	82.8	67.0	61.7	57.6	53.6	49.4	44.6	38.8
37.5°	512.5	334.1	258.2	166.2	112.8	68.7	63.5	58.8	54.4	49.8	44.3
35°	1078.2	768.0	528.9	366.6	217.1	129.8	70.2	64.3	59.3	54.8	49.4
32.5°	2069.0	1539.5	1021.5	726.6	427.3	233.2	130.3	70.4	64.5	59.6	54.2
30°	3057.1	2470.3	1860.6	1203.2	743.1	407.7	213.5	115.1	70.4	64.1	58.9
27.5°	3837.7	3375.2	2699.2	1920.8	1124.7	659.9	352.0	173.6	87.8	69.1	63.3
25°	4306.4	4003.9	3447.4	2637.0	1767.9	938.8	514.5	268.3	135.5	74.6	69.7
22.5°	4506.1	4337.4	3993.9	3338.7	2409.9	1489.5	752.3	354.2	180.3	99.2	77.2
20°	4654.1	4511.5	4316.3	3837.2	3038.6	2046.7	1052.9	524.5	273.3	144.7	85.3
17.5°	4825.9	4634.7	4478.4	4241.7	3532.7	2573.6	1550.8	746.0	365.4	190.3	93.6
15°	5058.0	4772.3	4574.2	4377.7	3932.7	3057.7	2006.7	953.9	482.0	253.4	128.7
12.5°	5320.0	4927.2	4670.2	4497.4	4232.7	3431.4	2397.5	1321.9	639.9	317.5	168.2
10°	5618.0	5084.4	4761.9	4554.2	4324.6	3707.7	2712.5	1601.5	748.1	363.2	200.6
7.5°	5945.0	5255.5	4848.1	4609.7	4399.6	3929.3	2954.1	1809.7	829.1	393.8	226.4
5°	6232.0	5400.2	4943.5	4660.1	4458.3	4092.4	3134.9	1954.2	882.9	411.1	246.4
2.5°	6422.5	5496.3	5006.2	4700.7	4495.7	4196.6	3252.2	2049.0	901.0	411.3	258.2
0°	6509.8	5572.6	5001.3	4712.6	4506.2	4244.0	3300.9	2093.6	888.3	401.1	266.1
-2.5°	6422.5	5496.3	5006.2	4700.7	4495.7	4196.6	3252.2	2049.0	901.0	411.3	258.2
-5°	6232.0	5400.2	4943.5	4660.1	4458.3	4092.4	3134.9	1954.2	882.9	411.1	246.4
-7.5°	5945.0	5255.5	4848.1	4609.7	4399.6	3929.3	2954.1	1809.7	829.1	393.8	226.4
-10°	5618.0	5084.4	4761.9	4554.2	4324.6	3707.7	2712.5	1601.5	748.1	363.2	200.6
-12.5°	5320.0	4927.2	4670.2	4497.4	4232.7	3431.4	2397.5	1321.9	639.9	317.5	168.2
-15°	5058.0	4772.3	4574.2	4377.7	3932.7	3057.7	2006.7	953.9	482.0	253.4	128.7
-17.5°	4825.9	4634.7	4478.4	4241.7	3532.7	2573.6	1550.8	746.0	365.4	190.3	93.6
-20°	4654.1	4511.5	4316.3	3837.2	3038.6	2046.7	1052.9	524.5	273.3	144.7	85.3



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4506.1	4337.4	3993.9	3338.7	2409.9	1489.5	752.3	354.2	180.3	99.2	77.2
-25°	4306.4	4003.9	3447.4	2637.0	1767.9	938.8	514.5	268.3	135.5	74.6	69.7
-27.5°	3837.7	3375.2	2699.2	1920.8	1124.7	659.9	352.0	173.6	87.8	69.1	63.3
-30°	3057.1	2470.3	1860.6	1203.2	743.1	407.7	213.5	115.1	70.4	64.1	58.9
-32.5°	2069.0	1539.5	1021.5	726.6	427.3	233.2	130.3	70.4	64.5	59.6	54.2
-35°	1078.2	768.0	528.9	366.6	217.1	129.8	70.2	64.3	59.3	54.8	49.4
-37.5°	512.5	334.1	258.2	166.2	112.8	68.7	63.5	58.8	54.4	49.8	44.3
-40°	238.9	162.2	124.2	82.8	67.0	61.7	57.6	53.6	49.4	44.6	38.8
-42.5°	118.6	86.7	68.8	64.9	60.5	56.1	51.9	48.2	43.8	38.6	34.8
-45°	70.8	66.9	62.8	58.7	54.8	50.4	46.2	42.0	37.3	34.4	31.3
-47.5°	63.7	59.9	56.2	52.1	48.0	44.1	39.7	35.3	33.5	31.1	28.9
-50°	55.3	51.9	48.2	44.4	41.1	37.4	34.4	32.3	30.2	28.0	25.9
-52.5°	47.0	43.6	40.6	37.8	35.4	33.1	31.1	28.7	26.4	24.7	22.5
-55°	38.3	36.0	34.4	32.7	31.0	29.4	27.3	25.0	23.2	21.5	18.2
-57.5°	32.5	30.8	29.5	28.5	27.6	25.8	23.7	21.9	19.3	16.3	13.6
-60°	27.1	25.5	24.8	23.9	22.8	21.3	18.9	16.4	13.8	13.0	12.3
-62.5°	21.4	20.2	19.4	18.4	16.9	15.0	13.3	12.6	12.1	11.5	10.2
-65°	15.8	14.8	13.8	12.9	12.1	11.2	10.7	10.3	9.7	8.8	7.7
-67.5°	11.5	10.9	10.3	9.7	9.3	8.9	8.5	8.0	7.5	7.0	6.4
-70°	8.8	8.5	8.2	7.9	7.6	7.2	6.9	6.5	6.0	5.6	5.1
-72.5°	7.0	6.8	6.5	6.3	6.0	5.7	5.3	4.9	4.6	4.1	3.9
-75°	5.2	5.0	4.8	4.5	4.3	4.0	3.9	3.9	3.9	3.9	3.9
-77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.6	3.3	3.0
-80°	3.4	3.3	3.2	3.0	2.9	2.7	2.5	2.3	2.1	2.0	2.0
-82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-85°	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.1	0.9	0.8
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	0.0	0.0	0.0	0.0	0.3	0.5	0.7	0.8	0.8	0.7	0.6
85°	0.7	0.6	0.4	0.3	0.6	1.0	1.4	1.7	1.5	1.4	1.2
82.5°	2.0	1.9	1.6	1.4	1.4	1.5	1.7	2.0	2.0	2.0	1.8
80°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0
77.5°	2.7	2.4	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	3.9	3.6	3.2	2.8	2.4	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	3.9	3.9	3.9	3.8	3.4	2.9	2.4	2.0	2.0	2.0	2.0
70°	4.6	4.1	3.9	3.9	3.9	3.8	3.2	2.6	2.0	2.0	2.0
67.5°	5.9	5.3	4.7	4.0	3.9	3.9	3.9	3.4	2.7	2.0	2.0
65°	7.1	6.5	5.8	5.1	4.4	3.9	3.9	3.9	3.4	2.6	2.0
62.5°	8.9	7.6	7.0	6.3	5.4	4.6	3.9	3.9	3.9	3.2	2.4
60°	11.3	9.7	8.4	7.7	6.6	5.5	4.6	3.9	3.9	3.8	2.9
57.5°	12.7	11.9	10.4	9.2	8.2	6.8	5.4	4.4	3.9	3.9	3.4
55°	14.6	13.1	12.1	10.8	9.7	8.5	6.5	5.1	4.0	3.9	3.8
52.5°	19.3	15.6	13.6	12.3	10.9	10.0	8.0	5.8	4.7	3.9	3.9
50°	23.2	19.8	16.1	13.9	12.0	10.7	9.4	7.1	5.3	4.1	3.9
47.5°	26.6	23.2	19.6	16.0	13.7	11.5	10.3	8.4	5.9	4.6	3.9
45°	29.2	26.3	22.7	18.9	15.4	12.8	11.0	9.6	7.0	5.2	3.9
42.5°	31.7	29.0	25.4	21.5	17.6	14.3	11.6	10.3	8.1	5.8	4.2
40°	34.9	31.6	28.1	24.0	19.9	15.7	12.8	10.9	9.1	6.5	4.8
37.5°	38.1	34.4	30.7	26.4	22.0	17.7	14.1	11.4	9.9	7.4	5.4
35°	42.9	37.3	33.3	28.8	24.1	19.6	15.3	12.1	10.4	8.2	5.9
32.5°	47.6	40.9	36.2	31.3	26.1	21.4	16.7	13.1	10.8	8.9	6.5
30°	52.6	46.3	39.4	33.8	28.1	23.1	18.2	14.1	11.2	9.5	7.2
27.5°	59.0	52.3	43.3	36.7	30.3	24.6	19.8	14.9	11.6	9.9	7.7
25°	65.6	58.4	48.7	39.8	32.5	26.4	21.4	15.8	12.2	10.2	8.1
22.5°	71.6	64.6	54.5	43.0	34.7	27.9	22.8	17.0	12.8	10.5	8.5
20°	77.7	71.0	60.9	48.5	37.6	29.8	24.2	18.2	13.4	10.7	8.8
17.5°	84.0	78.4	69.4	55.6	41.4	31.5	25.4	19.4	13.9	11.0	9.1
15°	94.9	86.8	77.9	63.0	45.7	33.0	26.5	20.4	14.4	11.2	9.3
12.5°	109.3	94.8	86.3	70.6	50.4	34.3	27.5	21.4	14.8	11.5	9.5
10°	125.7	102.7	94.6	78.2	55.1	35.5	28.3	22.2	15.2	11.9	9.6
7.5°	143.3	110.2	102.6	85.6	59.5	36.6	28.8	22.8	15.4	12.4	9.7
5°	159.5	115.5	107.0	90.0	61.9	37.6	29.1	23.2	15.6	12.9	9.7
2.5°	166.7	117.6	108.6	93.4	63.6	38.4	29.3	23.4	15.7	13.3	9.8
0°	172.2	119.4	109.6	95.9	64.6	39.1	29.4	23.5	15.7	13.7	9.8
-2.5°	166.7	117.6	108.6	93.4	63.6	38.4	29.3	23.4	15.7	13.3	9.8
-5°	159.5	115.5	107.0	90.0	61.9	37.6	29.1	23.2	15.6	12.9	9.7
-7.5°	143.3	110.2	102.6	85.6	59.5	36.6	28.8	22.8	15.4	12.4	9.7
-10°	125.7	102.7	94.6	78.2	55.1	35.5	28.3	22.2	15.2	11.9	9.6
-12.5°	109.3	94.8	86.3	70.6	50.4	34.3	27.5	21.4	14.8	11.5	9.5
-15°	94.9	86.8	77.9	63.0	45.7	33.0	26.5	20.4	14.4	11.2	9.3
-17.5°	84.0	78.4	69.4	55.6	41.4	31.5	25.4	19.4	13.9	11.0	9.1
-20°	77.7	71.0	60.9	48.5	37.6	29.8	24.2	18.2	13.4	10.7	8.8



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	71.6	64.6	54.5	43.0	34.7	27.9	22.8	17.0	12.8	10.5	8.5
-25°	65.6	58.4	48.7	39.8	32.5	26.4	21.4	15.8	12.2	10.2	8.1
-27.5°	59.0	52.3	43.3	36.7	30.3	24.6	19.8	14.9	11.6	9.9	7.7
-30°	52.6	46.3	39.4	33.8	28.1	23.1	18.2	14.1	11.2	9.5	7.2
-32.5°	47.6	40.9	36.2	31.3	26.1	21.4	16.7	13.1	10.8	8.9	6.5
-35°	42.9	37.3	33.3	28.8	24.1	19.6	15.3	12.1	10.4	8.2	5.9
-37.5°	38.1	34.4	30.7	26.4	22.0	17.7	14.1	11.4	9.9	7.4	5.4
-40°	34.9	31.6	28.1	24.0	19.9	15.7	12.8	10.9	9.1	6.5	4.8
-42.5°	31.7	29.0	25.4	21.5	17.6	14.3	11.6	10.3	8.1	5.8	4.2
-45°	29.2	26.3	22.7	18.9	15.4	12.8	11.0	9.6	7.0	5.2	3.9
-47.5°	26.6	23.2	19.6	16.0	13.7	11.5	10.3	8.4	5.9	4.6	3.9
-50°	23.2	19.8	16.1	13.9	12.0	10.7	9.4	7.1	5.3	4.1	3.9
-52.5°	19.3	15.6	13.6	12.3	10.9	10.0	8.0	5.8	4.7	3.9	3.9
-55°	14.6	13.1	12.1	10.8	9.7	8.5	6.5	5.1	4.0	3.9	3.8
-57.5°	12.7	11.9	10.4	9.2	8.2	6.8	5.4	4.4	3.9	3.9	3.4
-60°	11.3	9.7	8.4	7.7	6.6	5.5	4.6	3.9	3.9	3.8	2.9
-62.5°	8.9	7.6	7.0	6.3	5.4	4.6	3.9	3.9	3.9	3.2	2.4
-65°	7.1	6.5	5.8	5.1	4.4	3.9	3.9	3.9	3.4	2.6	2.0
-67.5°	5.9	5.3	4.7	4.0	3.9	3.9	3.9	3.4	2.7	2.0	2.0
-70°	4.6	4.1	3.9	3.9	3.9	3.8	3.2	2.6	2.0	2.0	2.0
-72.5°	3.9	3.9	3.9	3.8	3.4	2.9	2.4	2.0	2.0	2.0	2.0
-75°	3.9	3.6	3.2	2.8	2.4	2.0	2.0	2.0	2.0	2.0	2.0
-77.5°	2.7	2.4	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-80°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0
-82.5°	2.0	1.9	1.6	1.4	1.4	1.5	1.7	2.0	2.0	2.0	1.8
-85°	0.7	0.6	0.4	0.3	0.6	1.0	1.4	1.7	1.5	1.4	1.2
-87.5°	0.0	0.0	0.0	0.0	0.3	0.5	0.7	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: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	0.5	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°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
77.5°	2.0	2.0	1.7	1.3	0.9	0.4	0.0
75°	2.0	2.0	2.0	1.5	1.0	0.5	0.0
72.5°	2.0	2.0	2.0	1.8	1.2	0.6	0.0
70°	2.0	2.0	2.0	2.0	1.4	0.7	0.0
67.5°	2.0	2.0	2.0	2.0	1.5	0.8	0.0
65°	2.0	2.0	2.0	2.0	1.7	0.8	0.0
62.5°	2.0	2.0	2.0	2.0	1.8	0.9	0.0
60°	2.0	2.0	2.0	2.0	2.0	1.0	0.0
57.5°	2.4	2.0	2.0	2.0	2.0	1.1	0.0
55°	2.8	2.0	2.0	2.0	2.0	1.1	0.0
52.5°	3.2	2.1	2.0	2.0	2.0	1.2	0.0
50°	3.6	2.4	2.0	2.0	2.0	1.3	0.0
47.5°	3.9	2.7	2.0	2.0	2.0	1.4	0.0
45°	3.9	3.0	2.0	2.0	2.0	1.4	0.0
42.5°	3.9	3.3	2.0	2.0	2.0	1.5	0.0
40°	3.9	3.6	2.1	2.0	2.0	1.5	0.0
37.5°	3.9	3.8	2.3	2.0	2.0	1.6	0.0
35°	3.9	3.9	2.5	2.0	2.0	1.6	0.0
32.5°	4.0	3.9	2.7	2.0	2.0	1.7	0.0
30°	4.5	3.9	2.9	2.0	2.0	1.7	0.0
27.5°	5.0	3.9	3.0	2.0	2.0	1.8	0.0
25°	5.4	3.9	3.2	2.0	2.0	1.8	0.0
22.5°	5.9	3.9	3.3	2.0	2.0	1.8	0.0
20°	6.3	4.1	3.4	2.0	2.0	1.9	0.0
17.5°	6.7	4.3	3.5	2.0	2.0	1.9	0.0
15°	7.1	4.5	3.6	2.0	2.0	1.9	0.0
12.5°	7.3	4.7	3.7	2.0	2.0	2.0	0.0
10°	7.5	4.9	3.8	2.0	2.0	2.0	0.0
7.5°	7.7	5.2	3.8	2.0	2.0	2.0	0.0
5°	7.7	5.4	3.9	2.0	2.0	2.0	0.0
2.5°	7.8	5.7	3.9	2.0	2.0	2.0	0.0
0°	7.8	5.9	3.9	2.0	2.0	2.0	0.0
-2.5°	7.8	5.7	3.9	2.0	2.0	2.0	0.0
-5°	7.7	5.4	3.9	2.0	2.0	2.0	0.0
-7.5°	7.7	5.2	3.8	2.0	2.0	2.0	0.0
-10°	7.5	4.9	3.8	2.0	2.0	2.0	0.0
-12.5°	7.3	4.7	3.7	2.0	2.0	2.0	0.0
-15°	7.1	4.5	3.6	2.0	2.0	1.9	0.0
-17.5°	6.7	4.3	3.5	2.0	2.0	1.9	0.0
-20°	6.3	4.1	3.4	2.0	2.0	1.9	0.0



REPORT NUMBER: P722779 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	5.9	3.9	3.3	2.0	2.0	1.8	0.0
-25°	5.4	3.9	3.2	2.0	2.0	1.8	0.0
-27.5°	5.0	3.9	3.0	2.0	2.0	1.8	0.0
-30°	4.5	3.9	2.9	2.0	2.0	1.7	0.0
-32.5°	4.0	3.9	2.7	2.0	2.0	1.7	0.0
-35°	3.9	3.9	2.5	2.0	2.0	1.6	0.0
-37.5°	3.9	3.8	2.3	2.0	2.0	1.6	0.0
-40°	3.9	3.6	2.1	2.0	2.0	1.5	0.0
-42.5°	3.9	3.3	2.0	2.0	2.0	1.5	0.0
-45°	3.9	3.0	2.0	2.0	2.0	1.4	0.0
-47.5°	3.9	2.7	2.0	2.0	2.0	1.4	0.0
-50°	3.6	2.4	2.0	2.0	2.0	1.3	0.0
-52.5°	3.2	2.1	2.0	2.0	2.0	1.2	0.0
-55°	2.8	2.0	2.0	2.0	2.0	1.1	0.0
-57.5°	2.4	2.0	2.0	2.0	2.0	1.1	0.0
-60°	2.0	2.0	2.0	2.0	2.0	1.0	0.0
-62.5°	2.0	2.0	2.0	2.0	1.8	0.9	0.0
-65°	2.0	2.0	2.0	2.0	1.7	0.8	0.0
-67.5°	2.0	2.0	2.0	2.0	1.5	0.8	0.0
-70°	2.0	2.0	2.0	2.0	1.4	0.7	0.0
-72.5°	2.0	2.0	2.0	1.8	1.2	0.6	0.0
-75°	2.0	2.0	2.0	1.5	1.0	0.5	0.0
-77.5°	2.0	2.0	1.7	1.3	0.9	0.4	0.0
-80°	2.0	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)