

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: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-720PL-RGB-1R_RED-ONLY**

Issue Date: 11/1/2023

Test Information

Test Method: LM-79-08
Report Number: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-140-1)
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-1R_RED-ONLY
Description: LUMASPORT 16 PRISM RGB
Light Source: -
Ballast/Driver: -

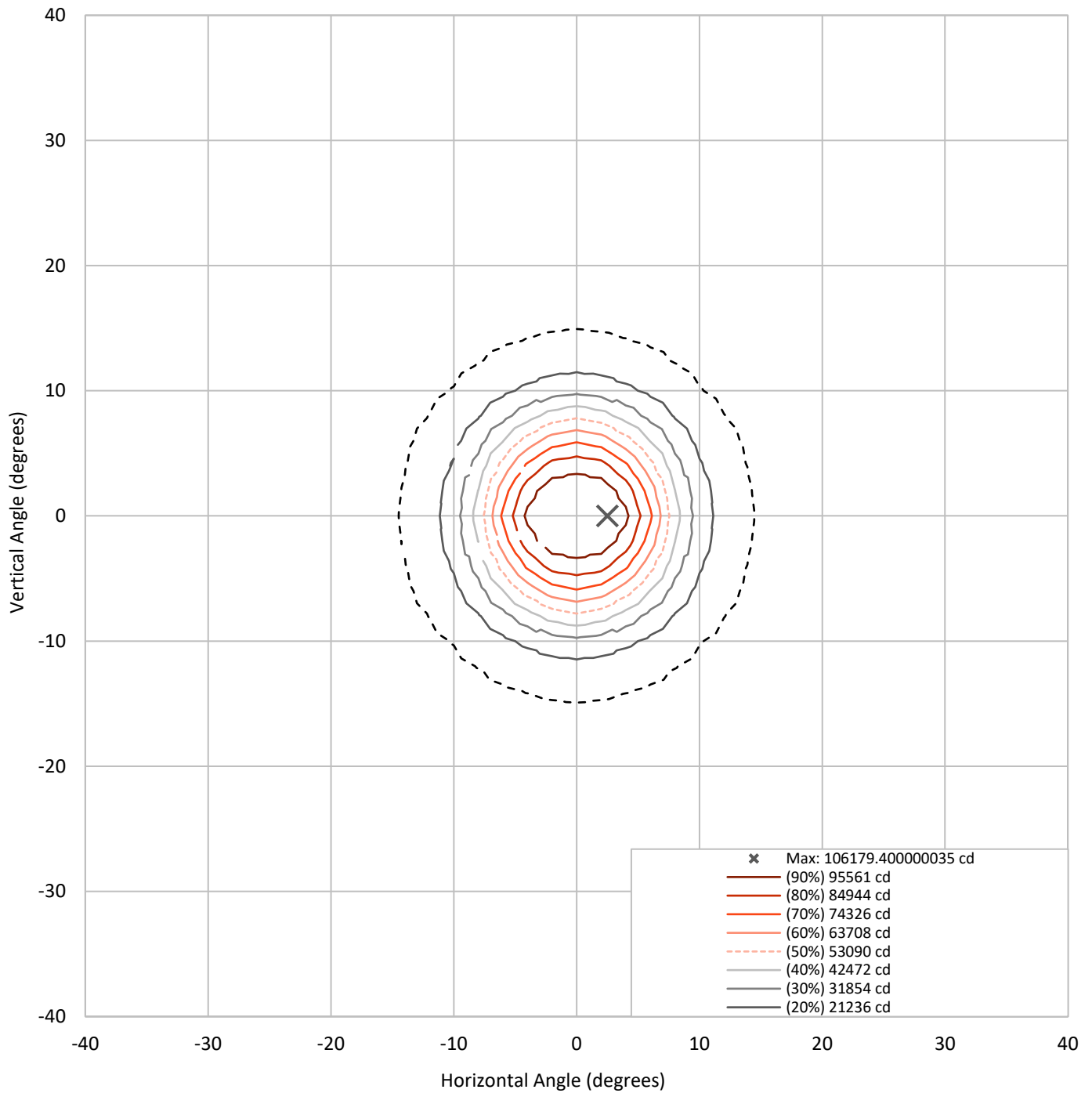
Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	13104.2 lumens	Max Intensity:	106179.4 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	35.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	14.8°H x 14.5°V	Field Angle (10%):	28.7°H x 29°V
Beam Lumens:	4710.2 lumens	Field Lumens:	7896.5 lumens
Beam Efficiency:	35.9%	Field Efficiency:	60.3%
Input Watts (W):	373.3		
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		

REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

Iso-Candela Plot





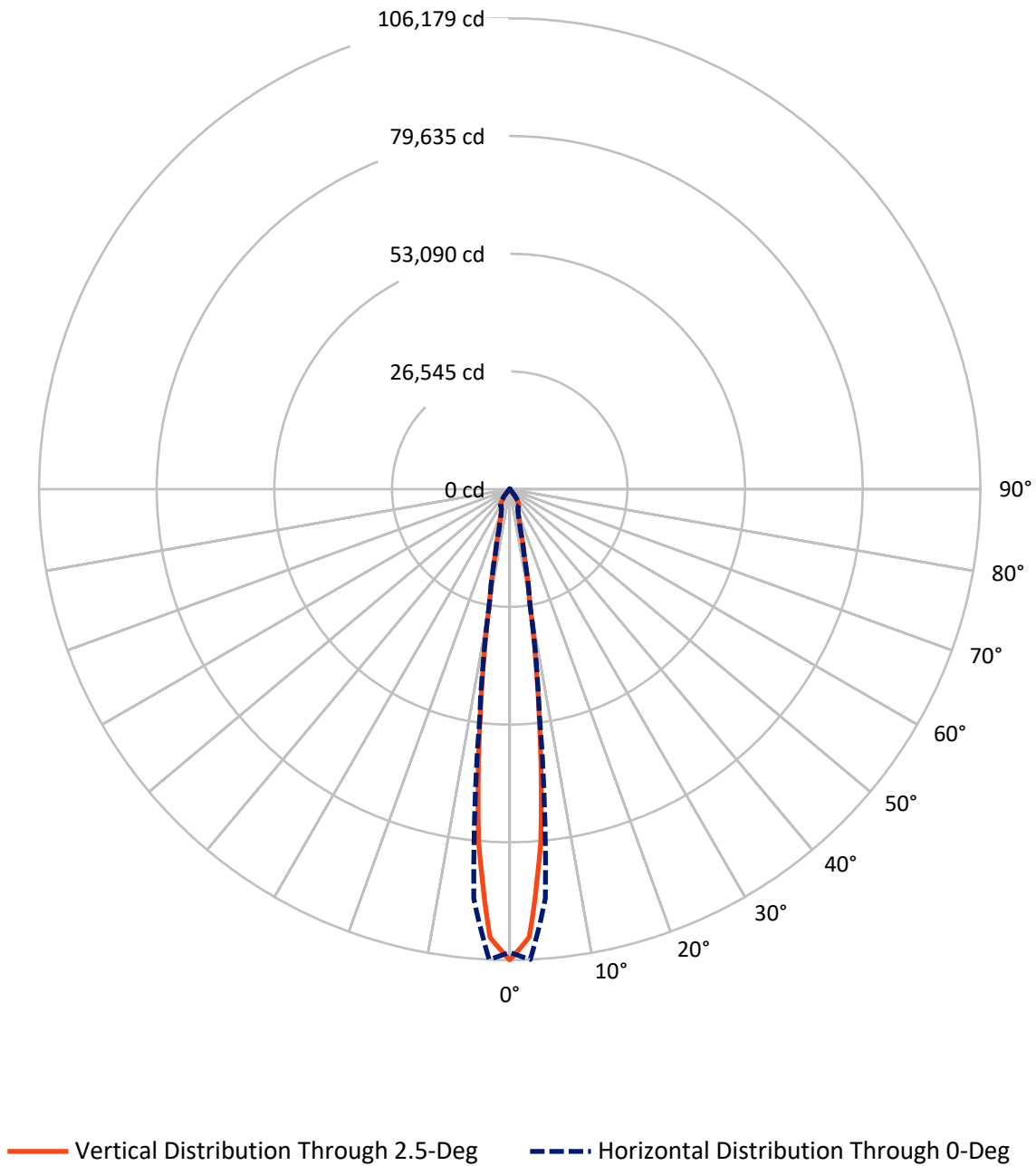
REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

Lumen Table

90	0.0	0.1		0.3		0.4		0.4		0.4		0.3		0.1		0.0
80	0.0	0.1		0.3		0.4		0.4		0.4		0.3		0.1		0.0
70	0.1	0.1	0.1	0.1	0.2	0.4	0.6	0.7	0.7	0.6	0.4	0.2	0.1	0.1	0.1	0.1
60		0.1	0.1	0.3	0.7	1.1	1.2	1.3	1.3	1.2	1.1	0.7	0.3	0.1	0.1	
50	0.1	0.1	0.3	0.7	1.6	2.2	2.5	3.1	3.1	2.5	2.2	1.6	0.7	0.3	0.1	0.1
40		0.1	0.5	1.2	3.2	14.6	45.4	70.3	70.3	45.4	14.6	3.2	1.2	0.5	0.1	
30	0.1	0.2	0.6	1.5	16.3	77.1	119.2	136.4	136.4	119.2	77.1	16.3	1.5	0.6	0.2	0.1
20		0.2	0.7	3.2	50.7	113.6	161.9	307.9	307.9	161.9	113.6	50.7	3.2	0.7	0.2	
10	0.1	0.2	0.7	6.1	72.8	124.5	287.8	1640.4	1640.4	287.8	124.5	72.8	6.1	0.7	0.2	0.1
0		0.2	0.7	6.1	72.8	124.5	287.8	1640.4	1640.4	287.8	124.5	72.8	6.1	0.7	0.2	
-10	0.1	0.2	0.7	3.2	50.7	113.6	161.9	307.9	307.9	161.9	113.6	50.7	3.2	0.7	0.2	0.1
-20		0.2	0.6	1.5	16.3	77.1	119.2	136.4	136.4	119.2	77.1	16.3	1.5	0.6	0.2	
-30	0.1	0.1	0.5	1.2	3.2	14.6	45.4	70.3	70.3	45.4	14.6	3.2	1.2	0.5	0.1	0.1
-40		0.1	0.3	0.7	1.6	2.2	2.5	3.1	3.1	2.5	2.2	1.6	0.7	0.3	0.1	
-50	0.1	0.1	0.1	0.3	0.7	1.1	1.2	1.3	1.3	1.2	1.1	0.7	0.3	0.1	0.1	0.1
-60		0.1	0.1	0.1	0.2	0.4	0.6	0.7	0.7	0.6	0.4	0.2	0.1	0.1	0.1	
-70	0.1	0.1	0.1	0.3	0.7	1.1	1.2	1.3	1.3	1.2	1.1	0.7	0.3	0.1	0.1	0.1
-80		0.1	0.1	0.1	0.2	0.4	0.6	0.7	0.7	0.6	0.4	0.2	0.1	0.1	0.1	
-90	0.0	0.1		0.3		0.4		0.4		0.4		0.3		0.1		0.0

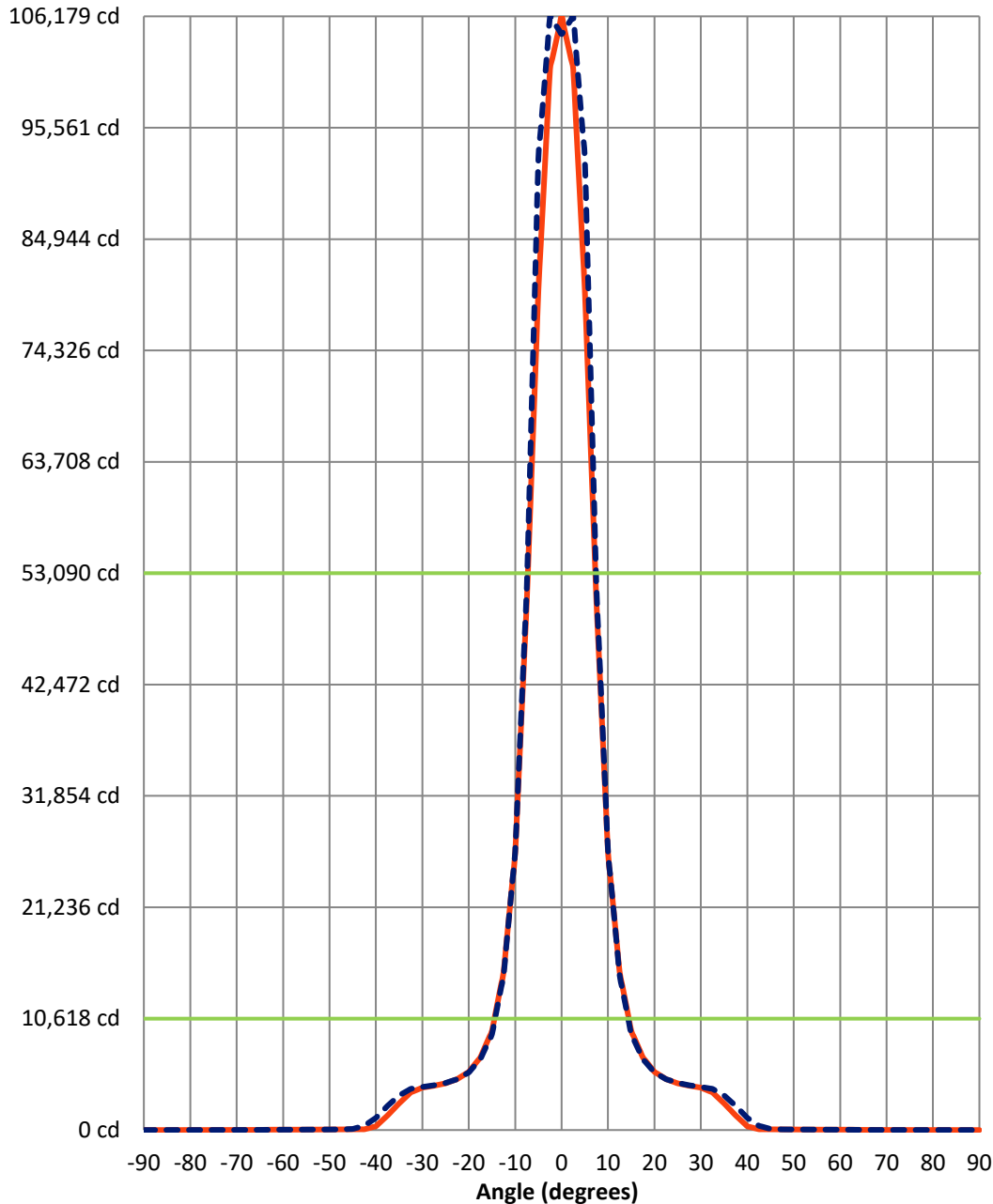
REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

Luminous Intensity Polar Plot



REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

Luminous Intensity Plot



Beam:
H Angle: 14.8°
V Angle: 14.5°
Lumens: 4710.2
Efficiency: 35.9%

Field:
H Angle: 28.7°
V Angle: 29°
Lumens: 7896.5
Efficiency: 60.3%

Spill:
Lumens: 5207.7
Efficiency: 39.7%

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



REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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	2.2
75°	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.1	2.5	3.0
72.5°	0.0	0.6	1.2	1.8	2.0	2.0	2.0	2.1	2.7	3.2	3.7
70°	0.0	0.7	1.4	2.0	2.0	2.0	2.1	2.7	3.3	3.9	3.9
67.5°	0.0	0.8	1.5	2.0	2.0	2.0	2.5	3.2	3.9	3.9	3.9
65°	0.0	0.8	1.7	2.0	2.0	2.2	3.0	3.7	3.9	3.9	3.9
62.5°	0.0	0.9	1.8	2.0	2.0	2.6	3.4	3.9	3.9	3.9	3.9
60°	0.0	1.0	2.0	2.0	2.0	2.9	3.9	3.9	3.9	3.9	3.9
57.5°	0.0	1.1	2.0	2.0	2.3	3.3	3.9	3.9	3.9	3.9	4.4
55°	0.0	1.1	2.0	2.0	2.5	3.6	3.9	3.9	3.9	4.0	5.1
52.5°	0.0	1.2	2.0	2.0	2.8	3.9	3.9	3.9	3.9	4.7	5.8
50°	0.0	1.3	2.0	2.0	3.1	3.9	3.9	3.9	4.1	5.3	5.9
47.5°	0.0	1.4	2.0	2.0	3.3	3.9	3.9	3.9	4.6	5.9	5.9
45°	0.0	1.4	2.0	2.2	3.6	3.9	3.9	3.9	5.1	5.9	5.9
42.5°	0.0	1.5	2.0	2.4	3.8	3.9	3.9	4.1	5.6	5.9	6.4
40°	0.0	1.5	2.0	2.6	3.9	3.9	3.9	4.6	5.9	5.9	7.0
37.5°	0.0	1.6	2.0	2.7	3.9	3.9	3.9	4.9	5.9	6.0	7.5
35°	0.0	1.6	2.0	2.9	3.9	3.9	3.9	5.3	5.9	6.5	8.0
32.5°	0.0	1.7	2.0	3.0	3.9	3.9	4.0	5.7	5.9	6.9	8.5
30°	0.0	1.7	2.0	3.1	3.9	3.9	4.3	5.9	5.9	7.3	9.0
27.5°	0.0	1.8	2.0	3.3	3.9	3.9	4.5	5.9	6.0	7.7	9.4
25°	0.0	1.8	2.0	3.4	3.9	3.9	4.8	5.9	6.3	8.0	9.8
22.5°	0.0	1.8	2.0	3.5	3.9	3.9	5.0	5.9	6.6	8.4	10.6
20°	0.0	1.9	2.0	3.6	3.9	3.9	5.2	5.9	6.8	8.7	11.2
17.5°	0.0	1.9	2.0	3.6	3.9	3.9	5.3	5.9	7.1	8.9	11.8
15°	0.0	1.9	2.0	3.7	3.9	3.9	5.5	5.9	7.3	9.2	12.3
12.5°	0.0	2.0	2.0	3.8	3.9	3.9	5.6	5.9	7.4	9.4	12.7
10°	0.0	2.0	2.0	3.8	3.9	3.9	5.7	5.9	7.6	9.5	13.1
7.5°	0.0	2.0	2.0	3.9	3.9	3.9	5.8	5.9	7.7	9.6	13.3
5°	0.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9	7.7	9.7	13.5
2.5°	0.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9	7.8	9.8	13.7
0°	0.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9	7.8	9.8	13.7
-2.5°	0.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9	7.8	9.8	13.7
-5°	0.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9	7.7	9.7	13.5
-7.5°	0.0	2.0	2.0	3.9	3.9	3.9	5.8	5.9	7.7	9.6	13.3
-10°	0.0	2.0	2.0	3.8	3.9	3.9	5.7	5.9	7.6	9.5	13.1
-12.5°	0.0	2.0	2.0	3.8	3.9	3.9	5.6	5.9	7.4	9.4	12.7
-15°	0.0	1.9	2.0	3.7	3.9	3.9	5.5	5.9	7.3	9.2	12.3
-17.5°	0.0	1.9	2.0	3.6	3.9	3.9	5.3	5.9	7.1	8.9	11.8
-20°	0.0	1.9	2.0	3.6	3.9	3.9	5.2	5.9	6.8	8.7	11.2



REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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	3.5	3.9	3.9	5.0	5.9	6.6	8.4	10.6
-25°	0.0	1.8	2.0	3.4	3.9	3.9	4.8	5.9	6.3	8.0	9.8
-27.5°	0.0	1.8	2.0	3.3	3.9	3.9	4.5	5.9	6.0	7.7	9.4
-30°	0.0	1.7	2.0	3.1	3.9	3.9	4.3	5.9	5.9	7.3	9.0
-32.5°	0.0	1.7	2.0	3.0	3.9	3.9	4.0	5.7	5.9	6.9	8.5
-35°	0.0	1.6	2.0	2.9	3.9	3.9	3.9	5.3	5.9	6.5	8.0
-37.5°	0.0	1.6	2.0	2.7	3.9	3.9	3.9	4.9	5.9	6.0	7.5
-40°	0.0	1.5	2.0	2.6	3.9	3.9	3.9	4.6	5.9	5.9	7.0
-42.5°	0.0	1.5	2.0	2.4	3.8	3.9	3.9	4.1	5.6	5.9	6.4
-45°	0.0	1.4	2.0	2.2	3.6	3.9	3.9	3.9	5.1	5.9	5.9
-47.5°	0.0	1.4	2.0	2.0	3.3	3.9	3.9	3.9	4.6	5.9	5.9
-50°	0.0	1.3	2.0	2.0	3.1	3.9	3.9	3.9	4.1	5.3	5.9
-52.5°	0.0	1.2	2.0	2.0	2.8	3.9	3.9	3.9	3.9	4.7	5.8
-55°	0.0	1.1	2.0	2.0	2.5	3.6	3.9	3.9	3.9	4.0	5.1
-57.5°	0.0	1.1	2.0	2.0	2.3	3.3	3.9	3.9	3.9	3.9	4.4
-60°	0.0	1.0	2.0	2.0	2.0	2.9	3.9	3.9	3.9	3.9	3.9
-62.5°	0.0	0.9	1.8	2.0	2.0	2.6	3.4	3.9	3.9	3.9	3.9
-65°	0.0	0.8	1.7	2.0	2.0	2.2	3.0	3.7	3.9	3.9	3.9
-67.5°	0.0	0.8	1.5	2.0	2.0	2.0	2.5	3.2	3.9	3.9	3.9
-70°	0.0	0.7	1.4	2.0	2.0	2.0	2.1	2.7	3.3	3.9	3.9
-72.5°	0.0	0.6	1.2	1.8	2.0	2.0	2.0	2.1	2.7	3.2	3.7
-75°	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.1	2.5	3.0
-77.5°	0.0	0.4	0.9	1.3	1.7	2.0	2.0	2.0	2.0	2.0	2.2
-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: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	0.9	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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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
80°	2.0	2.0	2.3	2.5	2.6	2.6	2.4	2.1	2.0	2.1	2.3
77.5°	2.6	2.9	3.3	3.6	3.6	3.2	3.1	3.1	3.3	3.6	3.8
75°	3.4	3.9	3.9	3.9	3.8	3.8	3.9	3.9	3.9	3.9	3.9
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.1	4.6	4.9
70°	3.9	3.9	3.9	3.9	3.9	4.1	4.6	5.1	5.6	5.9	6.2
67.5°	3.9	3.9	3.9	4.0	4.7	5.3	5.9	5.9	5.9	6.3	7.0
65°	3.9	3.9	4.4	5.1	5.8	5.9	5.9	5.9	6.4	7.4	8.4
62.5°	3.9	4.6	5.4	5.9	5.9	5.9	6.4	7.1	7.7	9.1	10.5
60°	4.6	5.5	5.9	5.9	6.1	6.8	7.6	8.7	10.1	11.7	13.1
57.5°	5.4	5.9	5.9	6.2	7.1	8.0	9.1	10.6	12.6	14.6	17.1
55°	5.9	5.9	6.2	7.2	8.1	9.1	10.6	12.9	15.2	22.1	28.6
52.5°	5.9	6.1	7.1	8.1	9.2	10.6	12.8	17.2	24.8	31.4	34.4
50°	5.9	6.8	8.0	9.1	10.6	12.8	17.8	25.7	31.2	35.0	38.7
47.5°	6.4	7.6	8.8	10.3	12.6	17.9	25.7	30.4	34.5	38.5	42.3
45°	7.1	8.4	9.7	12.0	16.7	25.5	30.2	33.4	37.6	42.9	52.0
42.5°	7.7	9.1	11.1	13.8	23.9	30.3	33.6	36.6	42.0	51.5	63.8
40°	8.4	9.8	12.6	20.3	29.8	33.4	36.1	40.1	49.5	62.5	77.6
37.5°	9.0	11.2	15.1	26.4	32.6	35.5	37.9	45.9	58.0	74.5	89.2
35°	9.6	12.4	20.2	30.0	34.8	36.7	41.9	51.1	65.6	83.5	98.0
32.5°	10.5	13.6	25.0	31.9	35.4	38.1	45.0	55.4	70.8	88.5	101.7
30°	11.5	17.4	28.5	33.6	35.9	40.7	47.3	57.7	74.4	89.5	112.7
27.5°	12.4	21.0	29.9	34.3	36.6	42.8	49.6	60.0	75.7	93.9	128.2
25°	13.3	24.4	31.3	34.6	38.3	44.6	51.7	62.9	76.7	107.1	204.5
22.5°	15.1	27.4	32.5	34.8	39.7	45.9	53.6	64.8	82.7	122.7	297.4
20°	17.6	28.5	33.1	35.5	40.8	46.8	54.3	65.5	92.5	217.6	517.7
17.5°	19.9	29.3	33.4	36.8	42.2	47.6	53.8	65.3	100.0	329.3	792.2
15°	21.9	29.9	33.7	37.9	43.2	48.5	55.3	70.7	155.8	482.2	1044.3
12.5°	23.5	30.4	34.1	38.9	43.9	49.3	56.7	79.8	243.0	678.6	1404.0
10°	24.9	30.6	34.4	39.7	44.3	49.8	57.5	88.9	309.1	828.6	1709.2
7.5°	25.6	30.8	34.7	40.3	44.5	50.2	57.9	97.5	355.0	960.2	1964.7
5°	25.9	31.1	35.0	40.7	44.7	50.5	58.1	105.2	382.2	1067.9	2166.7
2.5°	25.8	31.2	35.1	41.0	44.9	50.8	58.5	106.6	401.8	1136.7	2280.4
0°	25.4	31.3	35.2	41.1	45.0	50.9	58.7	105.7	409.0	1164.3	2303.1
-2.5°	25.8	31.2	35.1	41.0	44.9	50.8	58.5	106.6	401.8	1136.7	2280.4
-5°	25.9	31.1	35.0	40.7	44.7	50.5	58.1	105.2	382.2	1067.9	2166.7
-7.5°	25.6	30.8	34.7	40.3	44.5	50.2	57.9	97.5	355.0	960.2	1964.7
-10°	24.9	30.6	34.4	39.7	44.3	49.8	57.5	88.9	309.1	828.6	1709.2
-12.5°	23.5	30.4	34.1	38.9	43.9	49.3	56.7	79.8	243.0	678.6	1404.0
-15°	21.9	29.9	33.7	37.9	43.2	48.5	55.3	70.7	155.8	482.2	1044.3
-17.5°	19.9	29.3	33.4	36.8	42.2	47.6	53.8	65.3	100.0	329.3	792.2
-20°	17.6	28.5	33.1	35.5	40.8	46.8	54.3	65.5	92.5	217.6	517.7



REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	15.1	27.4	32.5	34.8	39.7	45.9	53.6	64.8	82.7	122.7	297.4
-25°	13.3	24.4	31.3	34.6	38.3	44.6	51.7	62.9	76.7	107.1	204.5
-27.5°	12.4	21.0	29.9	34.3	36.6	42.8	49.6	60.0	75.7	93.9	128.2
-30°	11.5	17.4	28.5	33.6	35.9	40.7	47.3	57.7	74.4	89.5	112.7
-32.5°	10.5	13.6	25.0	31.9	35.4	38.1	45.0	55.4	70.8	88.5	101.7
-35°	9.6	12.4	20.2	30.0	34.8	36.7	41.9	51.1	65.6	83.5	98.0
-37.5°	9.0	11.2	15.1	26.4	32.6	35.5	37.9	45.9	58.0	74.5	89.2
-40°	8.4	9.8	12.6	20.3	29.8	33.4	36.1	40.1	49.5	62.5	77.6
-42.5°	7.7	9.1	11.1	13.8	23.9	30.3	33.6	36.6	42.0	51.5	63.8
-45°	7.1	8.4	9.7	12.0	16.7	25.5	30.2	33.4	37.6	42.9	52.0
-47.5°	6.4	7.6	8.8	10.3	12.6	17.9	25.7	30.4	34.5	38.5	42.3
-50°	5.9	6.8	8.0	9.1	10.6	12.8	17.8	25.7	31.2	35.0	38.7
-52.5°	5.9	6.1	7.1	8.1	9.2	10.6	12.8	17.2	24.8	31.4	34.4
-55°	5.9	5.9	6.2	7.2	8.1	9.1	10.6	12.9	15.2	22.1	28.6
-57.5°	5.4	5.9	5.9	6.2	7.1	8.0	9.1	10.6	12.6	14.6	17.1
-60°	4.6	5.5	5.9	5.9	6.1	6.8	7.6	8.7	10.1	11.7	13.1
-62.5°	3.9	4.6	5.4	5.9	5.9	5.9	6.4	7.1	7.7	9.1	10.5
-65°	3.9	3.9	4.4	5.1	5.8	5.9	5.9	5.9	6.4	7.4	8.4
-67.5°	3.9	3.9	3.9	4.0	4.7	5.3	5.9	5.9	5.9	6.3	7.0
-70°	3.9	3.9	3.9	3.9	3.9	4.1	4.6	5.1	5.6	5.9	6.2
-72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.1	4.6	4.9
-75°	3.4	3.9	3.9	3.9	3.8	3.8	3.9	3.9	3.9	3.9	3.9
-77.5°	2.6	2.9	3.3	3.6	3.6	3.2	3.1	3.1	3.3	3.6	3.8
-80°	2.0	2.0	2.3	2.5	2.6	2.6	2.4	2.1	2.0	2.1	2.3
-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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-87.5°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
-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: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	1.6	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	1.8	1.7	1.7	1.6	1.3	0.9	0.5	0.0	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.9	1.9
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°	6.7	7.2	7.6	7.9	8.2	8.5	8.8	9.0	9.2	9.4	9.5
67.5°	8.0	8.9	9.3	9.7	10.0	10.3	10.6	10.9	11.1	11.3	11.4
65°	9.5	10.5	10.9	11.3	11.7	12.5	13.1	13.7	14.2	14.7	15.1
62.5°	11.4	12.4	13.4	14.4	15.3	17.7	21.3	24.5	27.3	29.8	32.3
60°	14.4	15.6	19.9	24.8	29.9	35.0	35.6	36.0	36.3	36.6	36.9
57.5°	22.6	27.8	31.9	33.9	35.5	36.8	37.4	37.5	37.5	37.2	37.2
55°	32.3	33.9	34.9	36.5	37.8	38.6	39.2	39.7	39.9	39.7	40.2
52.5°	36.3	37.6	38.4	40.0	43.1	44.5	44.6	45.5	46.0	46.0	46.5
50°	40.5	42.9	47.4	50.9	53.7	54.8	54.1	54.5	54.4	53.2	52.7
47.5°	49.2	54.7	60.9	65.8	67.7	67.6	66.1	64.8	63.5	61.1	59.8
45°	62.2	70.9	77.3	80.9	82.1	80.7	78.6	76.4	73.7	70.2	67.5
42.5°	78.2	88.0	93.4	95.0	94.4	94.3	92.5	86.9	89.0	88.5	82.2
40°	91.8	104.8	107.3	109.3	113.7	115.2	127.3	133.8	159.7	232.6	286.9
37.5°	102.6	114.4	124.5	130.6	158.6	173.2	274.2	391.1	487.2	758.7	976.7
35°	108.7	127.9	153.1	211.8	301.6	471.3	701.9	1089.5	1413.6	1755.3	2062.2
32.5°	123.8	163.3	254.1	450.9	672.0	1131.3	1601.3	2063.1	2484.3	2843.9	3124.9
30°	154.1	268.4	517.3	856.8	1419.7	1996.0	2560.1	3015.5	3401.1	3701.7	3825.0
27.5°	254.8	509.8	897.6	1554.7	2238.6	2908.4	3357.1	3752.0	3915.2	4078.4	4127.0
25°	421.9	831.0	1543.4	2305.1	3047.3	3536.6	3855.0	4045.1	4145.2	4223.1	4292.1
22.5°	724.2	1395.8	2204.9	3047.5	3591.2	3904.6	4091.1	4187.1	4297.5	4410.9	4535.6
20°	1092.0	1967.5	2848.2	3518.0	3916.6	4100.1	4204.9	4324.0	4490.9	4675.7	4931.7
17.5°	1583.3	2505.8	3321.1	3882.2	4075.0	4202.5	4331.5	4515.4	4753.9	5114.2	5549.5
15°	2026.5	2979.6	3668.1	4006.4	4165.1	4304.6	4493.6	4760.9	5184.4	5808.4	6604.8
12.5°	2413.5	3329.6	3905.1	4102.9	4245.1	4419.0	4677.5	5102.9	5782.9	6838.7	8336.8
10°	2740.6	3552.0	3977.4	4158.9	4316.7	4531.5	4887.0	5475.9	6506.3	8273.0	10987.0
7.5°	2991.5	3712.3	4035.3	4203.7	4380.4	4646.0	5100.8	5910.2	7412.5	10219.0	15273.3
5°	3169.7	3830.9	4075.9	4237.0	4431.8	4742.0	5292.8	6314.8	8272.5	12381.2	20475.4
2.5°	3270.6	3903.1	4098.7	4262.6	4467.9	4805.7	5440.9	6651.7	8877.6	14046.6	25212.9
0°	3297.1	3921.3	4107.2	4267.7	4490.8	4848.8	5488.7	6771.3	9140.0	14767.7	26549.3
-2.5°	3270.6	3903.1	4098.7	4262.6	4467.9	4805.7	5440.9	6651.7	8877.6	14046.6	25212.9
-5°	3169.7	3830.9	4075.9	4237.0	4431.8	4742.0	5292.8	6314.8	8272.5	12381.2	20475.4
-7.5°	2991.5	3712.3	4035.3	4203.7	4380.4	4646.0	5100.8	5910.2	7412.5	10219.0	15273.3
-10°	2740.6	3552.0	3977.4	4158.9	4316.7	4531.5	4887.0	5475.9	6506.3	8273.0	10987.0
-12.5°	2413.5	3329.6	3905.1	4102.9	4245.1	4419.0	4677.5	5102.9	5782.9	6838.7	8336.8
-15°	2026.5	2979.6	3668.1	4006.4	4165.1	4304.6	4493.6	4760.9	5184.4	5808.4	6604.8
-17.5°	1583.3	2505.8	3321.1	3882.2	4075.0	4202.5	4331.5	4515.4	4753.9	5114.2	5549.5
-20°	1092.0	1967.5	2848.2	3518.0	3916.6	4100.1	4204.9	4324.0	4490.9	4675.7	4931.7



REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	724.2	1395.8	2204.9	3047.5	3591.2	3904.6	4091.1	4187.1	4297.5	4410.9	4535.6
-25°	421.9	831.0	1543.4	2305.1	3047.3	3536.6	3855.0	4045.1	4145.2	4223.1	4292.1
-27.5°	254.8	509.8	897.6	1554.7	2238.6	2908.4	3357.1	3752.0	3915.2	4078.4	4127.0
-30°	154.1	268.4	517.3	856.8	1419.7	1996.0	2560.1	3015.5	3401.1	3701.7	3825.0
-32.5°	123.8	163.3	254.1	450.9	672.0	1131.3	1601.3	2063.1	2484.3	2843.9	3124.9
-35°	108.7	127.9	153.1	211.8	301.6	471.3	701.9	1089.5	1413.6	1755.3	2062.2
-37.5°	102.6	114.4	124.5	130.6	158.6	173.2	274.2	391.1	487.2	758.7	976.7
-40°	91.8	104.8	107.3	109.3	113.7	115.2	127.3	133.8	159.7	232.6	286.9
-42.5°	78.2	88.0	93.4	95.0	94.4	94.3	92.5	86.9	89.0	88.5	82.2
-45°	62.2	70.9	77.3	80.9	82.1	80.7	78.6	76.4	73.7	70.2	67.5
-47.5°	49.2	54.7	60.9	65.8	67.7	67.6	66.1	64.8	63.5	61.1	59.8
-50°	40.5	42.9	47.4	50.9	53.7	54.8	54.1	54.5	54.4	53.2	52.7
-52.5°	36.3	37.6	38.4	40.0	43.1	44.5	44.6	45.5	46.0	46.0	46.5
-55°	32.3	33.9	34.9	36.5	37.8	38.6	39.2	39.7	39.9	39.7	40.2
-57.5°	22.6	27.8	31.9	33.9	35.5	36.8	37.4	37.5	37.5	37.2	37.2
-60°	14.4	15.6	19.9	24.8	29.9	35.0	35.6	36.0	36.3	36.6	36.9
-62.5°	11.4	12.4	13.4	14.4	15.3	17.7	21.3	24.5	27.3	29.8	32.3
-65°	9.5	10.5	10.9	11.3	11.7	12.5	13.1	13.7	14.2	14.7	15.1
-67.5°	8.0	8.9	9.3	9.7	10.0	10.3	10.6	10.9	11.1	11.3	11.4
-70°	6.7	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	1.9	1.8	1.8	1.8	1.9	1.9
-85°	2.0	1.8	1.7	1.7	1.6	1.3	0.9	0.5	0.0	0.0	0.0
-87.5°	1.6	1.3	0.9	0.4	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: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
82.5°	1.9	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8
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°	11.5	11.6	11.7	11.7	11.7	11.6	11.5	11.4	11.3	11.1	10.9
65°	15.3	15.5	15.7	15.7	15.7	15.5	15.3	15.1	14.7	14.2	13.7
62.5°	34.4	36.1	37.0	37.2	37.0	36.1	34.4	32.3	29.8	27.3	24.5
60°	37.1	37.2	37.2	37.2	37.2	37.2	37.1	36.9	36.6	36.3	36.0
57.5°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.5	37.5
55°	40.6	40.9	41.0	41.1	41.0	40.9	40.6	40.2	39.7	39.9	39.7
52.5°	46.8	46.8	46.9	47.0	46.9	46.8	46.8	46.5	46.0	46.0	45.5
50°	52.8	52.7	52.7	52.8	52.7	52.7	52.8	52.7	53.2	54.4	54.5
47.5°	60.3	60.4	60.5	60.7	60.5	60.4	60.3	59.8	61.1	63.5	64.8
45°	68.0	68.2	67.8	66.5	67.8	68.2	68.0	67.5	70.2	73.7	76.4
42.5°	80.8	77.2	74.2	74.4	74.2	77.2	80.8	82.2	88.5	89.0	86.9
40°	328.8	350.9	360.3	367.9	360.3	350.9	328.8	286.9	232.6	159.7	133.8
37.5°	1159.8	1303.4	1390.4	1401.0	1390.4	1303.4	1159.8	976.7	758.7	487.2	391.1
35°	2304.6	2457.1	2541.9	2649.4	2541.9	2457.1	2304.6	2062.2	1755.3	1413.6	1089.5
32.5°	3340.3	3491.0	3584.3	3622.0	3584.3	3491.0	3340.3	3124.9	2843.9	2484.3	2063.1
30°	3922.8	3995.9	4040.0	4077.9	4040.0	3995.9	3922.8	3825.0	3701.7	3401.1	3015.5
27.5°	4166.1	4198.6	4223.0	4239.3	4223.0	4198.6	4166.1	4127.0	4078.4	3915.2	3752.0
25°	4356.5	4415.8	4452.7	4481.0	4452.7	4415.8	4356.5	4292.1	4223.1	4145.2	4045.1
22.5°	4654.4	4764.5	4854.3	4876.2	4854.3	4764.5	4654.4	4535.6	4410.9	4297.5	4187.1
20°	5170.7	5389.6	5547.2	5649.2	5547.2	5389.6	5170.7	4931.7	4675.7	4490.9	4324.0
17.5°	6039.1	6522.9	6931.8	7026.7	6931.8	6522.9	6039.1	5549.5	5114.2	4753.9	4515.4
15°	7601.5	8639.7	9455.0	9832.7	9455.0	8639.7	7601.5	6604.8	5808.4	5184.4	4760.9
12.5°	10345.9	12859.9	15061.4	15877.1	15061.4	12859.9	10345.9	8336.8	6838.7	5782.9	5102.9
10°	15525.0	21378.6	26414.9	28995.2	26414.9	21378.6	15525.0	10987.0	8273.0	6506.3	5475.9
7.5°	23542.1	35371.9	50407.7	56376.1	50407.7	35371.9	23542.1	15273.3	10219.0	7412.5	5910.2
5°	34492.6	59823.0	80089.5	84524.0	80089.5	59823.0	34492.6	20475.4	12381.2	8272.5	6314.8
2.5°	45902.0	81794.4	101161.9	102960.6	101161.9	81794.4	45902.0	25212.9	14046.6	8877.6	6651.7
0°	51765.9	92668.0	106179.4	104486.8	106179.4	92668.0	51765.9	26549.3	14767.7	9140.0	6771.3
-2.5°	45902.0	81794.4	101161.9	102960.6	101161.9	81794.4	45902.0	25212.9	14046.6	8877.6	6651.7
-5°	34492.6	59823.0	80089.5	84524.0	80089.5	59823.0	34492.6	20475.4	12381.2	8272.5	6314.8
-7.5°	23542.1	35371.9	50407.7	56376.1	50407.7	35371.9	23542.1	15273.3	10219.0	7412.5	5910.2
-10°	15525.0	21378.6	26414.9	28995.2	26414.9	21378.6	15525.0	10987.0	8273.0	6506.3	5475.9
-12.5°	10345.9	12859.9	15061.4	15877.1	15061.4	12859.9	10345.9	8336.8	6838.7	5782.9	5102.9
-15°	7601.5	8639.7	9455.0	9832.7	9455.0	8639.7	7601.5	6604.8	5808.4	5184.4	4760.9
-17.5°	6039.1	6522.9	6931.8	7026.7	6931.8	6522.9	6039.1	5549.5	5114.2	4753.9	4515.4
-20°	5170.7	5389.6	5547.2	5649.2	5547.2	5389.6	5170.7	4931.7	4675.7	4490.9	4324.0



REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4654.4	4764.5	4854.3	4876.2	4854.3	4764.5	4654.4	4535.6	4410.9	4297.5	4187.1
-25°	4356.5	4415.8	4452.7	4481.0	4452.7	4415.8	4356.5	4292.1	4223.1	4145.2	4045.1
-27.5°	4166.1	4198.6	4223.0	4239.3	4223.0	4198.6	4166.1	4127.0	4078.4	3915.2	3752.0
-30°	3922.8	3995.9	4040.0	4077.9	4040.0	3995.9	3922.8	3825.0	3701.7	3401.1	3015.5
-32.5°	3340.3	3491.0	3584.3	3622.0	3584.3	3491.0	3340.3	3124.9	2843.9	2484.3	2063.1
-35°	2304.6	2457.1	2541.9	2649.4	2541.9	2457.1	2304.6	2062.2	1755.3	1413.6	1089.5
-37.5°	1159.8	1303.4	1390.4	1401.0	1390.4	1303.4	1159.8	976.7	758.7	487.2	391.1
-40°	328.8	350.9	360.3	367.9	360.3	350.9	328.8	286.9	232.6	159.7	133.8
-42.5°	80.8	77.2	74.2	74.4	74.2	77.2	80.8	82.2	88.5	89.0	86.9
-45°	68.0	68.2	67.8	66.5	67.8	68.2	68.0	67.5	70.2	73.7	76.4
-47.5°	60.3	60.4	60.5	60.7	60.5	60.4	60.3	59.8	61.1	63.5	64.8
-50°	52.8	52.7	52.7	52.8	52.7	52.7	52.8	52.7	53.2	54.4	54.5
-52.5°	46.8	46.8	46.9	47.0	46.9	46.8	46.8	46.5	46.0	46.0	45.5
-55°	40.6	40.9	41.0	41.1	41.0	40.9	40.6	40.2	39.7	39.9	39.7
-57.5°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.5	37.5
-60°	37.1	37.2	37.2	37.2	37.2	37.2	37.1	36.9	36.6	36.3	36.0
-62.5°	34.4	36.1	37.0	37.2	37.0	36.1	34.4	32.3	29.8	27.3	24.5
-65°	15.3	15.5	15.7	15.7	15.7	15.5	15.3	15.1	14.7	14.2	13.7
-67.5°	11.5	11.6	11.7	11.7	11.7	11.6	11.5	11.4	11.3	11.1	10.9
-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°	1.9	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8
-85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
-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: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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	0.4	0.9	1.3	1.6	1.6	1.5	1.5	1.4
85°	0.9	1.3	1.6	1.7	1.7	1.8	2.0	2.0	2.0	2.0	2.0
82.5°	1.8	1.9	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	2.1
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.6	3.3	3.1
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	6.7	6.2	5.9	5.6	5.1
67.5°	10.6	10.3	10.0	9.7	9.3	8.9	8.0	7.0	6.3	5.9	5.9
65°	13.1	12.5	11.7	11.3	10.9	10.5	9.5	8.4	7.4	6.4	5.9
62.5°	21.3	17.7	15.3	14.4	13.4	12.4	11.4	10.5	9.1	7.7	7.1
60°	35.6	35.0	29.9	24.8	19.9	15.6	14.4	13.1	11.7	10.1	8.7
57.5°	37.4	36.8	35.5	33.9	31.9	27.8	22.6	17.1	14.6	12.6	10.6
55°	39.2	38.6	37.8	36.5	34.9	33.9	32.3	28.6	22.1	15.2	12.9
52.5°	44.6	44.5	43.1	40.0	38.4	37.6	36.3	34.4	31.4	24.8	17.2
50°	54.1	54.8	53.7	50.9	47.4	42.9	40.5	38.7	35.0	31.2	25.7
47.5°	66.1	67.6	67.7	65.8	60.9	54.7	49.2	42.3	38.5	34.5	30.4
45°	78.6	80.7	82.1	80.9	77.3	70.9	62.2	52.0	42.9	37.6	33.4
42.5°	92.5	94.3	94.4	95.0	93.4	88.0	78.2	63.8	51.5	42.0	36.6
40°	127.3	115.2	113.7	109.3	107.3	104.8	91.8	77.6	62.5	49.5	40.1
37.5°	274.2	173.2	158.6	130.6	124.5	114.4	102.6	89.2	74.5	58.0	45.9
35°	701.9	471.3	301.6	211.8	153.1	127.9	108.7	98.0	83.5	65.6	51.1
32.5°	1601.3	1131.3	672.0	450.9	254.1	163.3	123.8	101.7	88.5	70.8	55.4
30°	2560.1	1996.0	1419.7	856.8	517.3	268.4	154.1	112.7	89.5	74.4	57.7
27.5°	3357.1	2908.4	2238.6	1554.7	897.6	509.8	254.8	128.2	93.9	75.7	60.0
25°	3855.0	3536.6	3047.3	2305.1	1543.4	831.0	421.9	204.5	107.1	76.7	62.9
22.5°	4091.1	3904.6	3591.2	3047.5	2204.9	1395.8	724.2	297.4	122.7	82.7	64.8
20°	4204.9	4100.1	3916.6	3518.0	2848.2	1967.5	1092.0	517.7	217.6	92.5	65.5
17.5°	4331.5	4202.5	4075.0	3882.2	3321.1	2505.8	1583.3	792.2	329.3	100.0	65.3
15°	4493.6	4304.6	4165.1	4006.4	3668.1	2979.6	2026.5	1044.3	482.2	155.8	70.7
12.5°	4677.5	4419.0	4245.1	4102.9	3905.1	3329.6	2413.5	1404.0	678.6	243.0	79.8
10°	4887.0	4531.5	4316.7	4158.9	3977.4	3552.0	2740.6	1709.2	828.6	309.1	88.9
7.5°	5100.8	4646.0	4380.4	4203.7	4035.3	3712.3	2991.5	1964.7	960.2	355.0	97.5
5°	5292.8	4742.0	4431.8	4237.0	4075.9	3830.9	3169.7	2166.7	1067.9	382.2	105.2
2.5°	5440.9	4805.7	4467.9	4262.6	4098.7	3903.1	3270.6	2280.4	1136.7	401.8	106.6
0°	5488.7	4848.8	4490.8	4267.7	4107.2	3921.3	3297.1	2303.1	1164.3	409.0	105.7
-2.5°	5440.9	4805.7	4467.9	4262.6	4098.7	3903.1	3270.6	2280.4	1136.7	401.8	106.6
-5°	5292.8	4742.0	4431.8	4237.0	4075.9	3830.9	3169.7	2166.7	1067.9	382.2	105.2
-7.5°	5100.8	4646.0	4380.4	4203.7	4035.3	3712.3	2991.5	1964.7	960.2	355.0	97.5
-10°	4887.0	4531.5	4316.7	4158.9	3977.4	3552.0	2740.6	1709.2	828.6	309.1	88.9
-12.5°	4677.5	4419.0	4245.1	4102.9	3905.1	3329.6	2413.5	1404.0	678.6	243.0	79.8
-15°	4493.6	4304.6	4165.1	4006.4	3668.1	2979.6	2026.5	1044.3	482.2	155.8	70.7
-17.5°	4331.5	4202.5	4075.0	3882.2	3321.1	2505.8	1583.3	792.2	329.3	100.0	65.3
-20°	4204.9	4100.1	3916.6	3518.0	2848.2	1967.5	1092.0	517.7	217.6	92.5	65.5



REPORT NUMBER: P722775 (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°	4091.1	3904.6	3591.2	3047.5	2204.9	1395.8	724.2	297.4	122.7	82.7	64.8
-25°	3855.0	3536.6	3047.3	2305.1	1543.4	831.0	421.9	204.5	107.1	76.7	62.9
-27.5°	3357.1	2908.4	2238.6	1554.7	897.6	509.8	254.8	128.2	93.9	75.7	60.0
-30°	2560.1	1996.0	1419.7	856.8	517.3	268.4	154.1	112.7	89.5	74.4	57.7
-32.5°	1601.3	1131.3	672.0	450.9	254.1	163.3	123.8	101.7	88.5	70.8	55.4
-35°	701.9	471.3	301.6	211.8	153.1	127.9	108.7	98.0	83.5	65.6	51.1
-37.5°	274.2	173.2	158.6	130.6	124.5	114.4	102.6	89.2	74.5	58.0	45.9
-40°	127.3	115.2	113.7	109.3	107.3	104.8	91.8	77.6	62.5	49.5	40.1
-42.5°	92.5	94.3	94.4	95.0	93.4	88.0	78.2	63.8	51.5	42.0	36.6
-45°	78.6	80.7	82.1	80.9	77.3	70.9	62.2	52.0	42.9	37.6	33.4
-47.5°	66.1	67.6	67.7	65.8	60.9	54.7	49.2	42.3	38.5	34.5	30.4
-50°	54.1	54.8	53.7	50.9	47.4	42.9	40.5	38.7	35.0	31.2	25.7
-52.5°	44.6	44.5	43.1	40.0	38.4	37.6	36.3	34.4	31.4	24.8	17.2
-55°	39.2	38.6	37.8	36.5	34.9	33.9	32.3	28.6	22.1	15.2	12.9
-57.5°	37.4	36.8	35.5	33.9	31.9	27.8	22.6	17.1	14.6	12.6	10.6
-60°	35.6	35.0	29.9	24.8	19.9	15.6	14.4	13.1	11.7	10.1	8.7
-62.5°	21.3	17.7	15.3	14.4	13.4	12.4	11.4	10.5	9.1	7.7	7.1
-65°	13.1	12.5	11.7	11.3	10.9	10.5	9.5	8.4	7.4	6.4	5.9
-67.5°	10.6	10.3	10.0	9.7	9.3	8.9	8.0	7.0	6.3	5.9	5.9
-70°	8.8	8.5	8.2	7.9	7.6	7.2	6.7	6.2	5.9	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	3.1
-80°	3.4	3.3	3.2	3.0	2.9	2.7	2.5	2.3	2.1	2.0	2.1
-82.5°	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-85°	0.9	1.3	1.6	1.7	1.7	1.8	2.0	2.0	2.0	2.0	2.0
-87.5°	0.0	0.0	0.0	0.4	0.9	1.3	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: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.5	1.4	1.2
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8
80°	2.4	2.6	2.6	2.5	2.3	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	3.1	3.2	3.6	3.6	3.3	2.9	2.6	2.2	2.0	2.0	2.0
75°	3.9	3.8	3.8	3.9	3.9	3.9	3.4	3.0	2.5	2.1	2.0
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.7	3.2	2.7	2.1
70°	4.6	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.3	2.7
67.5°	5.9	5.3	4.7	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.2
65°	5.9	5.9	5.8	5.1	4.4	3.9	3.9	3.9	3.9	3.9	3.7
62.5°	6.4	5.9	5.9	5.9	5.4	4.6	3.9	3.9	3.9	3.9	3.9
60°	7.6	6.8	6.1	5.9	5.9	5.5	4.6	3.9	3.9	3.9	3.9
57.5°	9.1	8.0	7.1	6.2	5.9	5.9	5.4	4.4	3.9	3.9	3.9
55°	10.6	9.1	8.1	7.2	6.2	5.9	5.9	5.1	4.0	3.9	3.9
52.5°	12.8	10.6	9.2	8.1	7.1	6.1	5.9	5.8	4.7	3.9	3.9
50°	17.8	12.8	10.6	9.1	8.0	6.8	5.9	5.9	5.3	4.1	3.9
47.5°	25.7	17.9	12.6	10.3	8.8	7.6	6.4	5.9	5.9	4.6	3.9
45°	30.2	25.5	16.7	12.0	9.7	8.4	7.1	5.9	5.9	5.1	3.9
42.5°	33.6	30.3	23.9	13.8	11.1	9.1	7.7	6.4	5.9	5.6	4.1
40°	36.1	33.4	29.8	20.3	12.6	9.8	8.4	7.0	5.9	5.9	4.6
37.5°	37.9	35.5	32.6	26.4	15.1	11.2	9.0	7.5	6.0	5.9	4.9
35°	41.9	36.7	34.8	30.0	20.2	12.4	9.6	8.0	6.5	5.9	5.3
32.5°	45.0	38.1	35.4	31.9	25.0	13.6	10.5	8.5	6.9	5.9	5.7
30°	47.3	40.7	35.9	33.6	28.5	17.4	11.5	9.0	7.3	5.9	5.9
27.5°	49.6	42.8	36.6	34.3	29.9	21.0	12.4	9.4	7.7	6.0	5.9
25°	51.7	44.6	38.3	34.6	31.3	24.4	13.3	9.8	8.0	6.3	5.9
22.5°	53.6	45.9	39.7	34.8	32.5	27.4	15.1	10.6	8.4	6.6	5.9
20°	54.3	46.8	40.8	35.5	33.1	28.5	17.6	11.2	8.7	6.8	5.9
17.5°	53.8	47.6	42.2	36.8	33.4	29.3	19.9	11.8	8.9	7.1	5.9
15°	55.3	48.5	43.2	37.9	33.7	29.9	21.9	12.3	9.2	7.3	5.9
12.5°	56.7	49.3	43.9	38.9	34.1	30.4	23.5	12.7	9.4	7.4	5.9
10°	57.5	49.8	44.3	39.7	34.4	30.6	24.9	13.1	9.5	7.6	5.9
7.5°	57.9	50.2	44.5	40.3	34.7	30.8	25.6	13.3	9.6	7.7	5.9
5°	58.1	50.5	44.7	40.7	35.0	31.1	25.9	13.5	9.7	7.7	5.9
2.5°	58.5	50.8	44.9	41.0	35.1	31.2	25.8	13.7	9.8	7.8	5.9
0°	58.7	50.9	45.0	41.1	35.2	31.3	25.4	13.7	9.8	7.8	5.9
-2.5°	58.5	50.8	44.9	41.0	35.1	31.2	25.8	13.7	9.8	7.8	5.9
-5°	58.1	50.5	44.7	40.7	35.0	31.1	25.9	13.5	9.7	7.7	5.9
-7.5°	57.9	50.2	44.5	40.3	34.7	30.8	25.6	13.3	9.6	7.7	5.9
-10°	57.5	49.8	44.3	39.7	34.4	30.6	24.9	13.1	9.5	7.6	5.9
-12.5°	56.7	49.3	43.9	38.9	34.1	30.4	23.5	12.7	9.4	7.4	5.9
-15°	55.3	48.5	43.2	37.9	33.7	29.9	21.9	12.3	9.2	7.3	5.9
-17.5°	53.8	47.6	42.2	36.8	33.4	29.3	19.9	11.8	8.9	7.1	5.9
-20°	54.3	46.8	40.8	35.5	33.1	28.5	17.6	11.2	8.7	6.8	5.9



REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	53.6	45.9	39.7	34.8	32.5	27.4	15.1	10.6	8.4	6.6	5.9
-25°	51.7	44.6	38.3	34.6	31.3	24.4	13.3	9.8	8.0	6.3	5.9
-27.5°	49.6	42.8	36.6	34.3	29.9	21.0	12.4	9.4	7.7	6.0	5.9
-30°	47.3	40.7	35.9	33.6	28.5	17.4	11.5	9.0	7.3	5.9	5.9
-32.5°	45.0	38.1	35.4	31.9	25.0	13.6	10.5	8.5	6.9	5.9	5.7
-35°	41.9	36.7	34.8	30.0	20.2	12.4	9.6	8.0	6.5	5.9	5.3
-37.5°	37.9	35.5	32.6	26.4	15.1	11.2	9.0	7.5	6.0	5.9	4.9
-40°	36.1	33.4	29.8	20.3	12.6	9.8	8.4	7.0	5.9	5.9	4.6
-42.5°	33.6	30.3	23.9	13.8	11.1	9.1	7.7	6.4	5.9	5.6	4.1
-45°	30.2	25.5	16.7	12.0	9.7	8.4	7.1	5.9	5.9	5.1	3.9
-47.5°	25.7	17.9	12.6	10.3	8.8	7.6	6.4	5.9	5.9	4.6	3.9
-50°	17.8	12.8	10.6	9.1	8.0	6.8	5.9	5.9	5.3	4.1	3.9
-52.5°	12.8	10.6	9.2	8.1	7.1	6.1	5.9	5.8	4.7	3.9	3.9
-55°	10.6	9.1	8.1	7.2	6.2	5.9	5.9	5.1	4.0	3.9	3.9
-57.5°	9.1	8.0	7.1	6.2	5.9	5.9	5.4	4.4	3.9	3.9	3.9
-60°	7.6	6.8	6.1	5.9	5.9	5.5	4.6	3.9	3.9	3.9	3.9
-62.5°	6.4	5.9	5.9	5.9	5.4	4.6	3.9	3.9	3.9	3.9	3.9
-65°	5.9	5.9	5.8	5.1	4.4	3.9	3.9	3.9	3.9	3.9	3.7
-67.5°	5.9	5.3	4.7	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.2
-70°	4.6	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.3	2.7
-72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.7	3.2	2.7	2.1
-75°	3.9	3.8	3.8	3.9	3.9	3.9	3.4	3.0	2.5	2.1	2.0
-77.5°	3.1	3.2	3.6	3.6	3.3	2.9	2.6	2.2	2.0	2.0	2.0
-80°	2.4	2.6	2.6	2.5	2.3	2.0	2.0	2.0	2.0	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	1.8
-85°	2.0	2.0	2.0	2.0	2.0	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: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	2.1	2.0	2.0	2.0	1.4	0.7	0.0
67.5°	2.5	2.0	2.0	2.0	1.5	0.8	0.0
65°	3.0	2.2	2.0	2.0	1.7	0.8	0.0
62.5°	3.4	2.6	2.0	2.0	1.8	0.9	0.0
60°	3.9	2.9	2.0	2.0	2.0	1.0	0.0
57.5°	3.9	3.3	2.3	2.0	2.0	1.1	0.0
55°	3.9	3.6	2.5	2.0	2.0	1.1	0.0
52.5°	3.9	3.9	2.8	2.0	2.0	1.2	0.0
50°	3.9	3.9	3.1	2.0	2.0	1.3	0.0
47.5°	3.9	3.9	3.3	2.0	2.0	1.4	0.0
45°	3.9	3.9	3.6	2.2	2.0	1.4	0.0
42.5°	3.9	3.9	3.8	2.4	2.0	1.5	0.0
40°	3.9	3.9	3.9	2.6	2.0	1.5	0.0
37.5°	3.9	3.9	3.9	2.7	2.0	1.6	0.0
35°	3.9	3.9	3.9	2.9	2.0	1.6	0.0
32.5°	4.0	3.9	3.9	3.0	2.0	1.7	0.0
30°	4.3	3.9	3.9	3.1	2.0	1.7	0.0
27.5°	4.5	3.9	3.9	3.3	2.0	1.8	0.0
25°	4.8	3.9	3.9	3.4	2.0	1.8	0.0
22.5°	5.0	3.9	3.9	3.5	2.0	1.8	0.0
20°	5.2	3.9	3.9	3.6	2.0	1.9	0.0
17.5°	5.3	3.9	3.9	3.6	2.0	1.9	0.0
15°	5.5	3.9	3.9	3.7	2.0	1.9	0.0
12.5°	5.6	3.9	3.9	3.8	2.0	2.0	0.0
10°	5.7	3.9	3.9	3.8	2.0	2.0	0.0
7.5°	5.8	3.9	3.9	3.9	2.0	2.0	0.0
5°	5.9	3.9	3.9	3.9	2.0	2.0	0.0
2.5°	5.9	3.9	3.9	3.9	2.0	2.0	0.0
0°	5.9	3.9	3.9	3.9	2.0	2.0	0.0
-2.5°	5.9	3.9	3.9	3.9	2.0	2.0	0.0
-5°	5.9	3.9	3.9	3.9	2.0	2.0	0.0
-7.5°	5.8	3.9	3.9	3.9	2.0	2.0	0.0
-10°	5.7	3.9	3.9	3.8	2.0	2.0	0.0
-12.5°	5.6	3.9	3.9	3.8	2.0	2.0	0.0
-15°	5.5	3.9	3.9	3.7	2.0	1.9	0.0
-17.5°	5.3	3.9	3.9	3.6	2.0	1.9	0.0
-20°	5.2	3.9	3.9	3.6	2.0	1.9	0.0



REPORT NUMBER: P722775 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_RED-ONLY

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	5.0	3.9	3.9	3.5	2.0	1.8	0.0
-25°	4.8	3.9	3.9	3.4	2.0	1.8	0.0
-27.5°	4.5	3.9	3.9	3.3	2.0	1.8	0.0
-30°	4.3	3.9	3.9	3.1	2.0	1.7	0.0
-32.5°	4.0	3.9	3.9	3.0	2.0	1.7	0.0
-35°	3.9	3.9	3.9	2.9	2.0	1.6	0.0
-37.5°	3.9	3.9	3.9	2.7	2.0	1.6	0.0
-40°	3.9	3.9	3.9	2.6	2.0	1.5	0.0
-42.5°	3.9	3.9	3.8	2.4	2.0	1.5	0.0
-45°	3.9	3.9	3.6	2.2	2.0	1.4	0.0
-47.5°	3.9	3.9	3.3	2.0	2.0	1.4	0.0
-50°	3.9	3.9	3.1	2.0	2.0	1.3	0.0
-52.5°	3.9	3.9	2.8	2.0	2.0	1.2	0.0
-55°	3.9	3.6	2.5	2.0	2.0	1.1	0.0
-57.5°	3.9	3.3	2.3	2.0	2.0	1.1	0.0
-60°	3.9	2.9	2.0	2.0	2.0	1.0	0.0
-62.5°	3.4	2.6	2.0	2.0	1.8	0.9	0.0
-65°	3.0	2.2	2.0	2.0	1.7	0.8	0.0
-67.5°	2.5	2.0	2.0	2.0	1.5	0.8	0.0
-70°	2.1	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)