

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: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-720PL-RGB-1R_ALL-ON**

Issue Date: 11/1/2023

Test Information

Test Method: LM-79-08
Report Number: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-140-4)
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_ALL-ON
Description: LUMASPORT 16 PRISM RGB
Light Source: -
Ballast/Driver: -

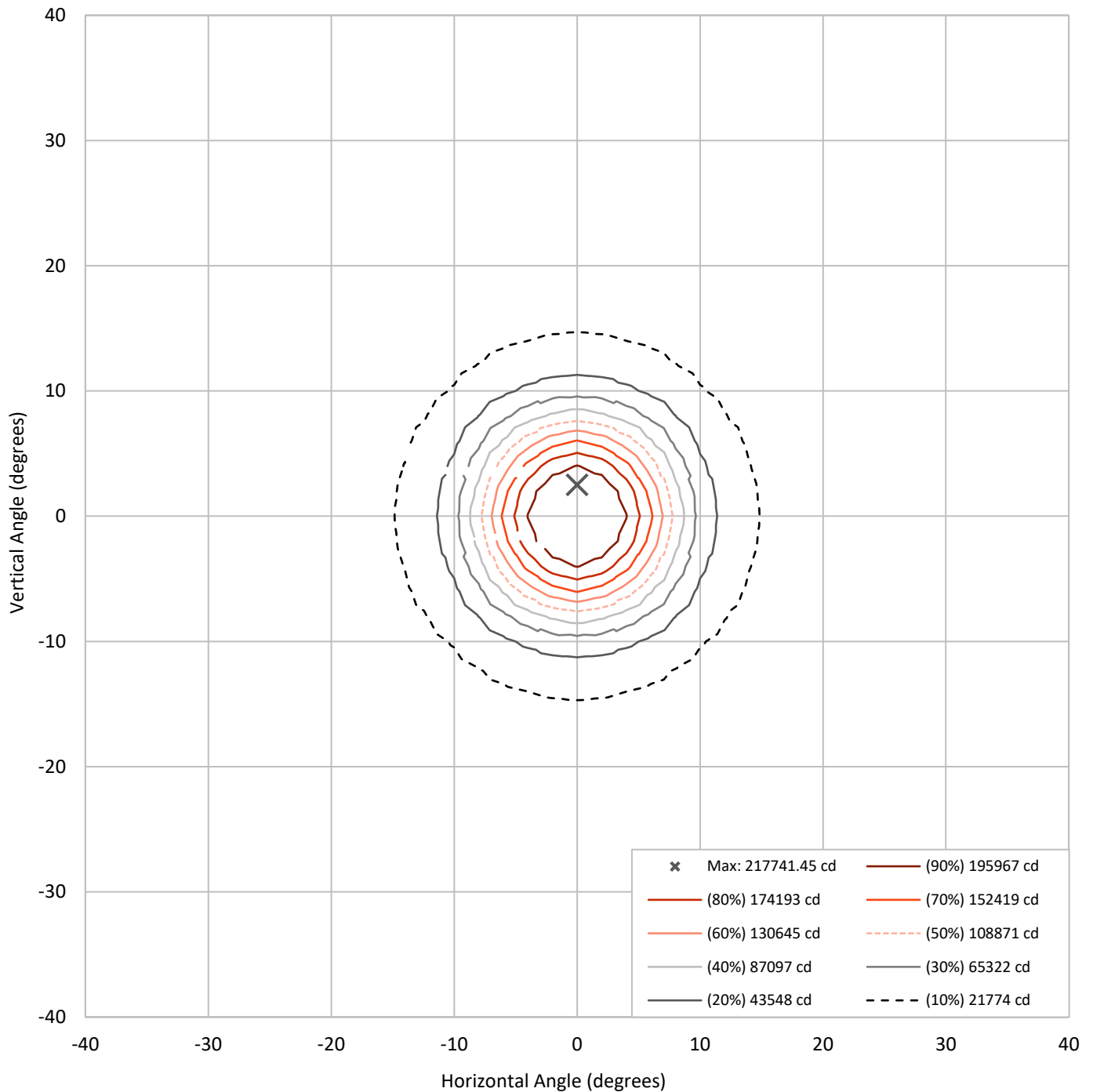
Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	27064.1 lumens	Max Intensity:	217741.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	37.2 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	14.4°H x 15°V	Field Angle (10%):	28.9°H x 29°V
Beam Lumens:	9784.3 lumens	Field Lumens:	16440.6 lumens
Beam Efficiency:	36.2%	Field Efficiency:	60.7%
Input Watts (W):	727.2		
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: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

Iso-Candela Plot





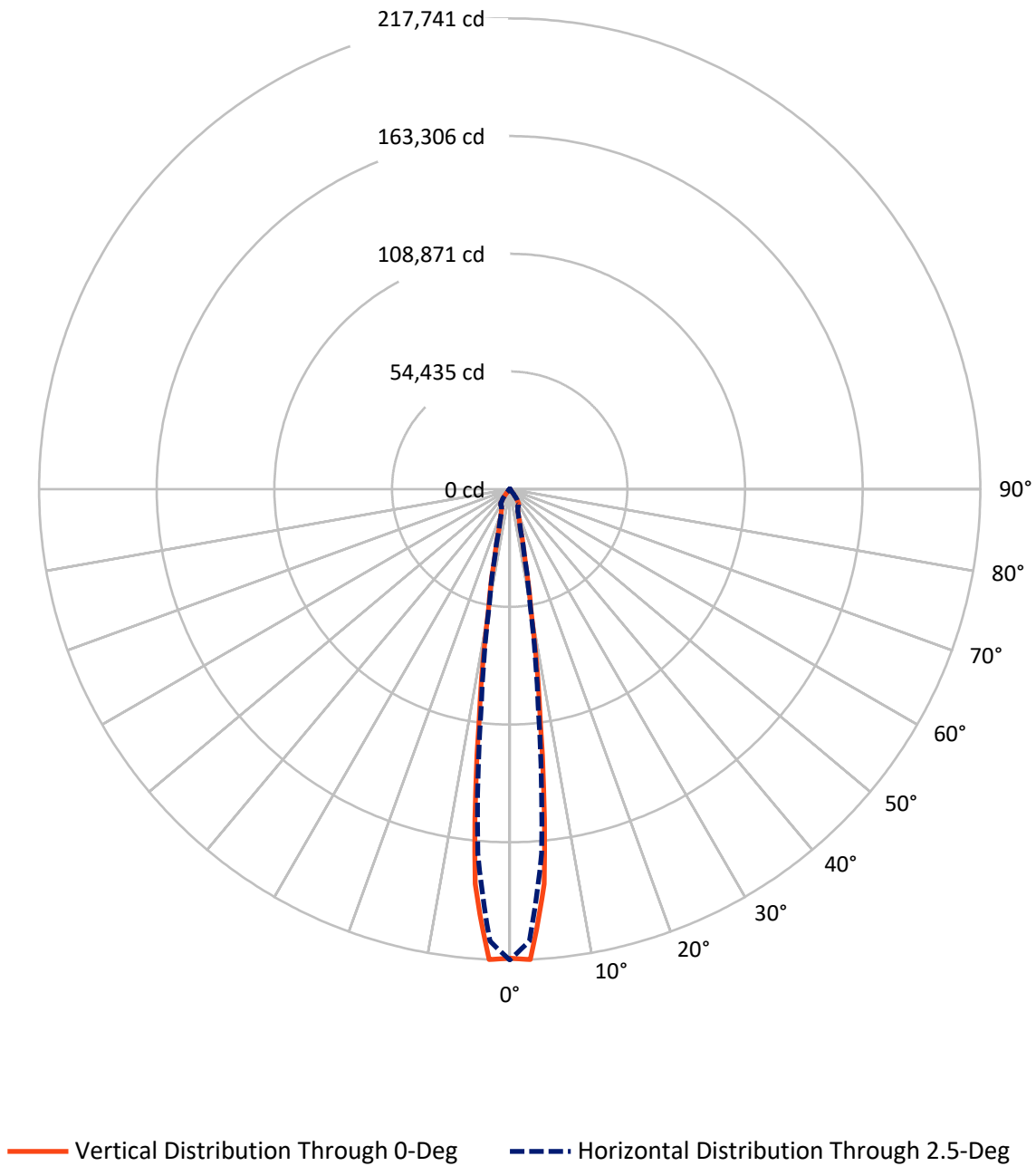
REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

Lumen Table

90	0.1	0.6		1.2		1.7		2.0		1.7		1.2		0.6		0.1
80	0.1	0.6		1.2		1.7		2.0		1.7		1.2		0.6		0.1
70	0.2	0.2	0.4	0.6	0.8	1.0	1.3	1.4	1.4	1.3	1.0	0.8	0.6	0.4	0.2	0.2
60		0.3	0.5	0.9	1.5	2.1	2.9	4.0	4.0	2.9	2.1	1.5	0.9	0.5	0.3	
50	0.3	0.3	0.7	1.5	2.3	3.4	7.1	13.7	13.7	7.1	3.4	2.3	1.5	0.7	0.3	0.3
40		0.4	1.1	2.0	4.4	32.7	103.9	157.1	157.1	103.9	32.7	4.4	2.0	1.1	0.4	
30	0.4	0.5	1.4	3.0	28.5	157.3	243.3	276.0	276.0	243.3	157.3	28.5	3.0	1.4	0.5	0.4
20		0.6	2.0	6.1	89.9	228.5	329.5	620.5	620.5	329.5	228.5	89.9	6.1	2.0	0.6	
10	0.4	0.6	2.6	10.6	132.7	251.7	609.8	3416.7	3416.7	609.8	251.7	132.7	10.6	2.6	0.6	0.4
0		0.6	2.6	10.6	132.7	251.7	609.8	3416.7	3416.7	609.8	251.7	132.7	10.6	2.6	0.6	
-10	0.4	0.6	2.6	10.6	132.7	251.7	609.8	3416.7	3416.7	609.8	251.7	132.7	10.6	2.6	0.6	0.4
-20		0.6	2.0	6.1	89.9	228.5	329.5	620.5	620.5	329.5	228.5	89.9	6.1	2.0	0.6	
-30	0.4	0.5	1.4	3.0	28.5	157.3	243.3	276.0	276.0	243.3	157.3	28.5	3.0	1.4	0.5	0.4
-40		0.4	1.1	2.0	4.4	32.7	103.9	157.1	157.1	103.9	32.7	4.4	2.0	1.1	0.4	
-50	0.3	0.3	0.7	1.5	2.3	3.4	7.1	13.7	13.7	7.1	3.4	2.3	1.5	0.7	0.3	0.3
-60		0.3	0.5	0.9	1.5	2.1	2.9	4.0	4.0	2.9	2.1	1.5	0.9	0.5	0.3	
-70	0.2	0.2	0.4	0.6	0.8	1.0	1.3	1.4	1.4	1.3	1.0	0.8	0.6	0.4	0.2	0.2
-80		0.1	0.6		1.2		1.7		2.0		1.7		1.2		0.6	
-90	0.1	0.6		1.2		1.7		2.0		1.7		1.2		0.6		0.1

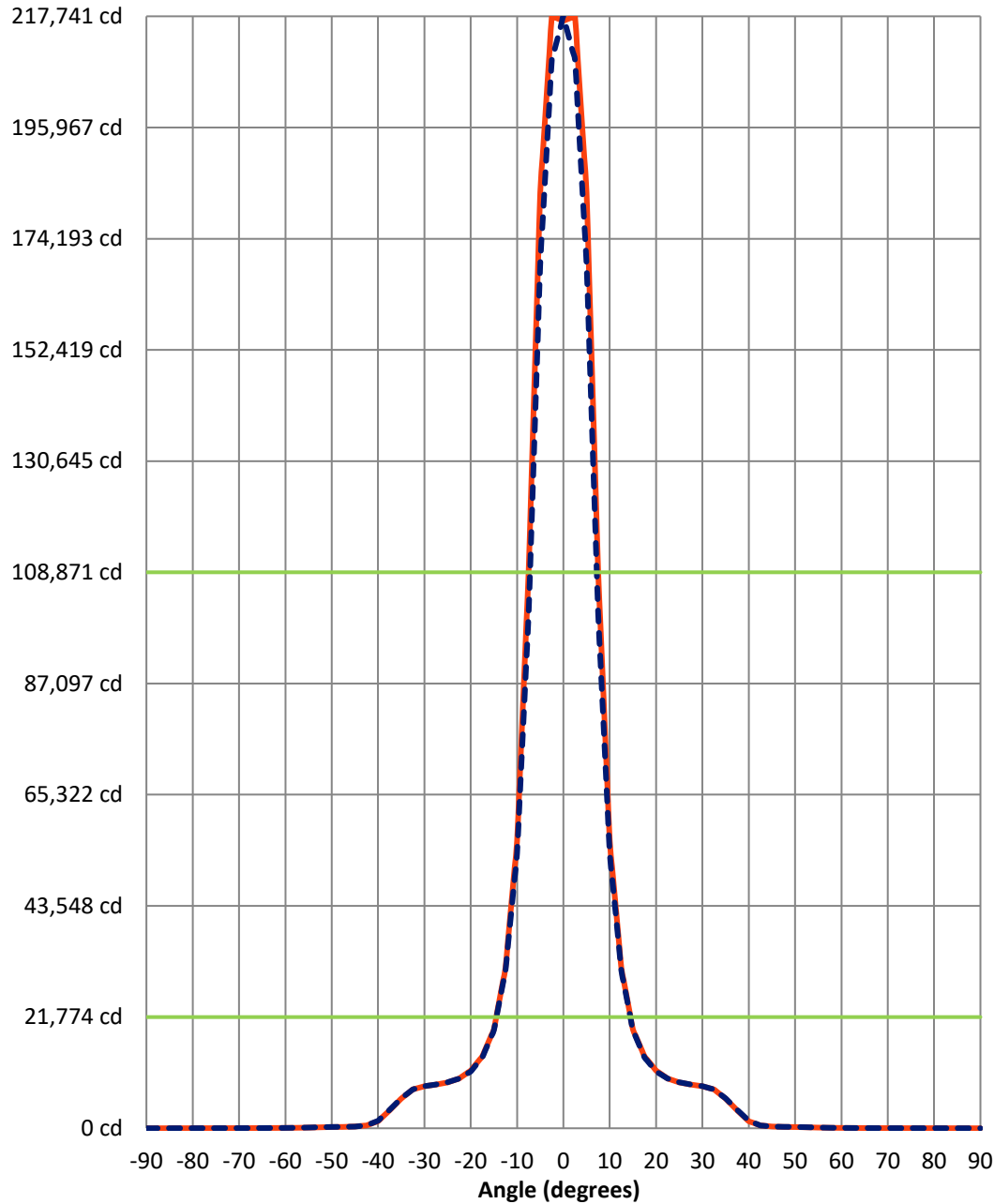
REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

Luminous Intensity Polar Plot



REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

Luminous Intensity Plot



Beam:
 H Angle: 14.4°
 V Angle: 15°
 Lumens: 9784.3
 Efficiency: 36.2%

Field:
 H Angle: 28.9°
 V Angle: 29°
 Lumens: 16440.6
 Efficiency: 60.7%

Spill:
 Lumens: 10623.5
 Efficiency: 39.3%

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



REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

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	0.3	0.7	1.0	1.3	1.6	1.9	2.3	2.6	2.9	3.2
85°	0.0	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
82.5°	0.0	1.0	2.0	2.9	3.9	4.9	5.8	6.7	7.6	7.8	8.1
80°	0.0	1.3	2.6	3.9	5.2	6.5	7.6	8.0	8.4	8.8	9.1
77.5°	0.0	1.6	3.2	4.9	6.5	7.7	8.2	8.7	9.2	9.7	10.3
75°	0.0	1.9	3.9	5.8	7.6	8.2	8.8	9.4	10.0	10.8	11.8
72.5°	0.0	2.3	4.5	6.7	8.0	8.7	9.4	10.1	11.0	12.1	13.3
70°	0.0	2.6	5.1	7.6	8.4	9.2	10.0	10.9	12.0	13.2	14.4
67.5°	0.0	2.9	5.7	7.8	8.8	9.7	10.6	11.6	12.9	14.3	15.4
65°	0.0	3.2	6.3	8.1	9.1	10.1	11.2	12.3	13.9	15.3	16.4
62.5°	0.0	3.5	6.9	8.4	9.5	10.6	11.8	13.2	14.9	16.3	17.4
60°	0.0	3.7	7.5	8.7	9.9	11.1	12.3	14.1	15.9	17.1	18.3
57.5°	0.0	4.0	7.7	9.0	10.3	11.6	13.1	15.1	16.7	18.0	19.5
55°	0.0	4.3	7.9	9.2	10.6	12.0	13.9	16.0	17.4	18.9	20.9
52.5°	0.0	4.6	8.0	9.5	11.0	12.5	14.7	16.6	18.1	20.1	22.3
50°	0.0	4.8	8.2	9.7	11.3	13.1	15.5	17.2	18.9	21.2	23.1
47.5°	0.0	5.1	8.3	10.0	11.6	13.7	16.2	17.8	19.9	22.4	23.9
45°	0.0	5.3	8.5	10.2	12.0	14.3	16.6	18.4	20.9	23.1	24.7
42.5°	0.0	5.5	8.6	10.4	12.3	14.9	17.1	19.1	21.8	23.7	25.8
40°	0.0	5.7	8.8	10.6	12.6	15.4	17.5	19.8	22.6	24.4	26.9
37.5°	0.0	5.9	8.9	10.8	13.0	15.9	17.9	20.6	23.1	25.1	28.0
35°	0.0	6.1	9.0	11.0	13.4	16.3	18.3	21.3	23.6	26.0	29.1
32.5°	0.0	6.3	9.1	11.2	13.8	16.6	18.8	21.9	24.1	26.8	30.3
30°	0.0	6.5	9.3	11.4	14.1	16.9	19.3	22.5	24.5	27.6	31.5
27.5°	0.0	6.7	9.4	11.5	14.4	17.2	19.8	22.9	25.0	28.4	32.6
25°	0.0	6.8	9.4	11.7	14.7	17.4	20.2	23.2	25.6	29.2	33.6
22.5°	0.0	6.9	9.5	11.8	15.0	17.6	20.6	23.5	26.2	30.0	34.9
20°	0.0	7.0	9.6	11.9	15.2	17.8	21.0	23.8	26.7	30.7	36.2
17.5°	0.0	7.2	9.7	12.1	15.4	18.0	21.3	24.0	27.1	31.4	37.3
15°	0.0	7.2	9.7	12.1	15.6	18.2	21.6	24.2	27.5	31.9	38.3
12.5°	0.0	7.3	9.8	12.2	15.7	18.3	21.8	24.4	27.8	32.4	39.1
10°	0.0	7.4	9.8	12.3	15.9	18.4	22.0	24.5	28.1	32.8	39.7
7.5°	0.0	7.4	9.9	12.3	16.0	18.5	22.2	24.7	28.3	33.1	40.0
5°	0.0	7.5	9.9	12.4	16.0	18.6	22.3	24.7	28.5	33.3	40.0
2.5°	0.0	7.5	9.9	12.4	16.1	18.6	22.4	24.8	28.6	33.5	39.9
0°	0.0	7.5	9.9	12.4	16.1	18.6	22.4	24.8	28.6	33.5	39.7
-2.5°	0.0	7.5	9.9	12.4	16.1	18.6	22.4	24.8	28.6	33.5	39.9
-5°	0.0	7.5	9.9	12.4	16.0	18.6	22.3	24.7	28.5	33.3	40.0
-7.5°	0.0	7.4	9.9	12.3	16.0	18.5	22.2	24.7	28.3	33.1	40.0
-10°	0.0	7.4	9.8	12.3	15.9	18.4	22.0	24.5	28.1	32.8	39.7
-12.5°	0.0	7.3	9.8	12.2	15.7	18.3	21.8	24.4	27.8	32.4	39.1
-15°	0.0	7.2	9.7	12.1	15.6	18.2	21.6	24.2	27.5	31.9	38.3
-17.5°	0.0	7.2	9.7	12.1	15.4	18.0	21.3	24.0	27.1	31.4	37.3
-20°	0.0	7.0	9.6	11.9	15.2	17.8	21.0	23.8	26.7	30.7	36.2



REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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	6.9	9.5	11.8	15.0	17.6	20.6	23.5	26.2	30.0	34.9
-25°	0.0	6.8	9.4	11.7	14.7	17.4	20.2	23.2	25.6	29.2	33.6
-27.5°	0.0	6.7	9.4	11.5	14.4	17.2	19.8	22.9	25.0	28.4	32.6
-30°	0.0	6.5	9.3	11.4	14.1	16.9	19.3	22.5	24.5	27.6	31.5
-32.5°	0.0	6.3	9.1	11.2	13.8	16.6	18.8	21.9	24.1	26.8	30.3
-35°	0.0	6.1	9.0	11.0	13.4	16.3	18.3	21.3	23.6	26.0	29.1
-37.5°	0.0	5.9	8.9	10.8	13.0	15.9	17.9	20.6	23.1	25.1	28.0
-40°	0.0	5.7	8.8	10.6	12.6	15.4	17.5	19.8	22.6	24.4	26.9
-42.5°	0.0	5.5	8.6	10.4	12.3	14.9	17.1	19.1	21.8	23.7	25.8
-45°	0.0	5.3	8.5	10.2	12.0	14.3	16.6	18.4	20.9	23.1	24.7
-47.5°	0.0	5.1	8.3	10.0	11.6	13.7	16.2	17.8	19.9	22.4	23.9
-50°	0.0	4.8	8.2	9.7	11.3	13.1	15.5	17.2	18.9	21.2	23.1
-52.5°	0.0	4.6	8.0	9.5	11.0	12.5	14.7	16.6	18.1	20.1	22.3
-55°	0.0	4.3	7.9	9.2	10.6	12.0	13.9	16.0	17.4	18.9	20.9
-57.5°	0.0	4.0	7.7	9.0	10.3	11.6	13.1	15.1	16.7	18.0	19.5
-60°	0.0	3.7	7.5	8.7	9.9	11.1	12.3	14.1	15.9	17.1	18.3
-62.5°	0.0	3.5	6.9	8.4	9.5	10.6	11.8	13.2	14.9	16.3	17.4
-65°	0.0	3.2	6.3	8.1	9.1	10.1	11.2	12.3	13.9	15.3	16.4
-67.5°	0.0	2.9	5.7	7.8	8.8	9.7	10.6	11.6	12.9	14.3	15.4
-70°	0.0	2.6	5.1	7.6	8.4	9.2	10.0	10.9	12.0	13.2	14.4
-72.5°	0.0	2.3	4.5	6.7	8.0	8.7	9.4	10.1	11.0	12.1	13.3
-75°	0.0	1.9	3.9	5.8	7.6	8.2	8.8	9.4	10.0	10.8	11.8
-77.5°	0.0	1.6	3.2	4.9	6.5	7.7	8.2	8.7	9.2	9.7	10.3
-80°	0.0	1.3	2.6	3.9	5.2	6.5	7.6	8.0	8.4	8.8	9.1
-82.5°	0.0	1.0	2.0	2.9	3.9	4.9	5.8	6.7	7.6	7.8	8.1
-85°	0.0	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
-87.5°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.3	2.6	2.9	3.2
-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: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	3.5	3.7	4.0	4.3	4.6	4.8	5.1	5.3	5.5	5.7	5.9
85°	6.9	7.5	7.7	7.9	8.0	8.2	8.3	8.5	8.6	8.8	8.9
82.5°	8.4	8.7	9.0	9.2	9.5	9.7	10.0	10.3	10.7	11.0	11.3
80°	9.5	9.9	10.3	10.6	11.1	11.6	12.3	13.0	13.5	13.8	14.1
77.5°	10.9	11.5	11.9	12.1	12.7	13.6	14.3	14.9	15.3	15.7	16.0
75°	12.6	13.1	13.5	14.0	14.8	15.6	16.2	16.6	17.1	17.5	17.9
72.5°	14.0	14.5	15.2	16.0	16.6	17.2	17.8	18.4	19.1	19.8	20.6
70°	15.2	15.9	16.7	17.4	18.1	18.9	19.9	20.9	21.8	22.7	23.5
67.5°	16.3	17.1	18.0	18.9	20.1	21.2	22.4	23.4	24.5	25.4	26.4
65°	17.4	18.3	19.5	20.9	22.3	23.2	24.3	25.6	27.0	28.2	29.2
62.5°	18.4	19.9	21.4	22.7	23.7	24.8	26.4	28.0	29.5	30.9	32.0
60°	19.9	21.6	23.0	24.0	25.1	26.8	28.6	30.5	32.1	33.6	36.1
57.5°	21.4	23.0	24.1	25.5	27.2	29.0	31.3	33.2	35.9	38.9	43.1
55°	22.7	24.0	25.5	27.4	29.5	31.8	34.3	37.4	40.7	50.4	59.8
52.5°	23.7	25.1	27.2	29.5	32.0	34.8	38.0	44.7	55.7	64.3	68.3
50°	24.6	26.7	29.0	31.8	34.8	38.2	46.7	59.0	66.0	70.3	74.0
47.5°	25.8	28.2	31.1	34.2	37.9	46.8	60.2	66.9	71.6	75.5	79.2
45°	27.2	30.0	33.2	37.0	44.6	59.4	67.1	72.0	76.3	80.7	85.9
42.5°	28.5	31.8	35.7	39.9	56.1	66.5	71.6	76.3	81.2	87.0	92.7
40°	30.0	33.6	38.2	50.4	65.3	70.4	75.5	80.8	87.0	93.5	99.7
37.5°	31.5	35.9	42.4	60.3	68.7	74.0	79.2	86.8	93.7	100.2	108.2
35°	33.0	38.2	51.1	66.3	72.0	77.3	85.0	93.4	101.1	108.7	117.3
32.5°	34.7	40.5	59.3	69.5	75.8	81.9	91.3	100.7	110.1	118.8	127.2
30°	36.7	47.1	65.5	72.7	79.9	89.3	98.7	108.7	120.1	129.6	150.2
27.5°	38.5	53.5	68.3	76.3	84.9	97.2	109.6	118.9	130.0	144.0	178.9
25°	40.2	58.9	71.1	80.3	92.1	107.4	122.8	135.1	140.3	169.7	293.3
22.5°	43.2	63.4	73.2	84.4	99.7	119.5	138.2	151.2	163.2	199.3	402.8
20°	47.1	65.0	75.8	89.4	108.0	132.9	154.7	167.9	190.6	308.8	718.2
17.5°	50.3	66.4	79.1	97.1	121.8	149.6	171.8	185.1	215.1	420.9	1137.2
15°	52.9	67.7	82.6	105.5	137.4	170.3	192.6	208.0	278.3	600.3	1528.9
12.5°	54.9	68.8	86.1	114.5	154.0	191.8	214.7	236.3	368.3	903.1	2187.0
10°	56.3	69.7	89.6	123.6	171.0	213.5	236.5	264.0	443.4	1133.9	2710.9
7.5°	57.2	70.3	92.7	132.5	187.8	235.1	257.8	291.0	502.1	1308.6	3118.1
5°	57.6	70.3	95.1	138.6	199.9	251.3	275.8	316.7	545.5	1428.2	3414.1
2.5°	57.5	70.1	96.9	143.2	207.8	258.9	281.2	328.1	556.1	1477.0	3613.6
0°	57.1	69.5	98.1	146.5	213.6	264.5	285.6	337.8	550.2	1466.7	3713.2
-2.5°	57.5	70.1	96.9	143.2	207.8	258.9	281.2	328.1	556.1	1477.0	3613.6
-5°	57.6	70.3	95.1	138.6	199.9	251.3	275.8	316.7	545.5	1428.2	3414.1
-7.5°	57.2	70.3	92.7	132.5	187.8	235.1	257.8	291.0	502.1	1308.6	3118.1
-10°	56.3	69.7	89.6	123.6	171.0	213.5	236.5	264.0	443.4	1133.9	2710.9
-12.5°	54.9	68.8	86.1	114.5	154.0	191.8	214.7	236.3	368.3	903.1	2187.0
-15°	52.9	67.7	82.6	105.5	137.4	170.3	192.6	208.0	278.3	600.3	1528.9
-17.5°	50.3	66.4	79.1	97.1	121.8	149.6	171.8	185.1	215.1	420.9	1137.2
-20°	47.1	65.0	75.8	89.4	108.0	132.9	154.7	167.9	190.6	308.8	718.2



REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	43.2	63.4	73.2	84.4	99.7	119.5	138.2	151.2	163.2	199.3	402.8
-25°	40.2	58.9	71.1	80.3	92.1	107.4	122.8	135.1	140.3	169.7	293.3
-27.5°	38.5	53.5	68.3	76.3	84.9	97.2	109.6	118.9	130.0	144.0	178.9
-30°	36.7	47.1	65.5	72.7	79.9	89.3	98.7	108.7	120.1	129.6	150.2
-32.5°	34.7	40.5	59.3	69.5	75.8	81.9	91.3	100.7	110.1	118.8	127.2
-35°	33.0	38.2	51.1	66.3	72.0	77.3	85.0	93.4	101.1	108.7	117.3
-37.5°	31.5	35.9	42.4	60.3	68.7	74.0	79.2	86.8	93.7	100.2	108.2
-40°	30.0	33.6	38.2	50.4	65.3	70.4	75.5	80.8	87.0	93.5	99.7
-42.5°	28.5	31.8	35.7	39.9	56.1	66.5	71.6	76.3	81.2	87.0	92.7
-45°	27.2	30.0	33.2	37.0	44.6	59.4	67.1	72.0	76.3	80.7	85.9
-47.5°	25.8	28.2	31.1	34.2	37.9	46.8	60.2	66.9	71.6	75.5	79.2
-50°	24.6	26.7	29.0	31.8	34.8	38.2	46.7	59.0	66.0	70.3	74.0
-52.5°	23.7	25.1	27.2	29.5	32.0	34.8	38.0	44.7	55.7	64.3	68.3
-55°	22.7	24.0	25.5	27.4	29.5	31.8	34.3	37.4	40.7	50.4	59.8
-57.5°	21.4	23.0	24.1	25.5	27.2	29.0	31.3	33.2	35.9	38.9	43.1
-60°	19.9	21.6	23.0	24.0	25.1	26.8	28.6	30.5	32.1	33.6	36.1
-62.5°	18.4	19.9	21.4	22.7	23.7	24.8	26.4	28.0	29.5	30.9	32.0
-65°	17.4	18.3	19.5	20.9	22.3	23.2	24.3	25.6	27.0	28.2	29.2
-67.5°	16.3	17.1	18.0	18.9	20.1	21.2	22.4	23.4	24.5	25.4	26.4
-70°	15.2	15.9	16.7	17.4	18.1	18.9	19.9	20.9	21.8	22.7	23.5
-72.5°	14.0	14.5	15.2	16.0	16.6	17.2	17.8	18.4	19.1	19.8	20.6
-75°	12.6	13.1	13.5	14.0	14.8	15.6	16.2	16.6	17.1	17.5	17.9
-77.5°	10.9	11.5	11.9	12.1	12.7	13.6	14.3	14.9	15.3	15.7	16.0
-80°	9.5	9.9	10.3	10.6	11.1	11.6	12.3	13.0	13.5	13.8	14.1
-82.5°	8.4	8.7	9.0	9.2	9.5	9.7	10.0	10.3	10.7	11.0	11.3
-85°	6.9	7.5	7.7	7.9	8.0	8.2	8.3	8.5	8.6	8.8	8.9
-87.5°	3.5	3.7	4.0	4.3	4.6	4.8	5.1	5.3	5.5	5.7	5.9
-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: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	6.1	6.3	6.5	6.7	6.8	6.9	7.0	7.2	7.2	7.3	7.4
85°	9.0	9.1	9.3	9.4	9.4	9.5	9.6	9.7	9.7	9.8	9.8
82.5°	11.6	11.9	12.2	12.4	12.6	12.8	13.0	13.2	13.3	13.4	13.5
80°	14.4	14.6	14.8	15.0	15.2	15.4	15.5	15.7	15.8	15.9	16.0
77.5°	16.3	16.6	16.9	17.2	17.4	17.8	18.2	18.7	19.2	19.4	19.6
75°	18.3	18.8	19.3	19.8	20.2	20.7	21.2	21.6	21.9	22.0	22.2
72.5°	21.3	21.9	22.5	23.1	23.6	24.1	24.5	24.9	25.2	25.5	25.7
70°	24.3	25.0	25.7	26.3	26.9	27.5	27.9	28.4	28.8	29.1	29.3
67.5°	27.2	28.1	28.8	29.6	30.4	31.2	32.0	32.6	33.2	33.7	34.1
65°	30.2	31.1	32.2	33.3	34.6	36.0	37.0	37.9	38.8	39.5	40.4
62.5°	33.1	34.8	36.9	38.7	40.3	43.5	48.3	52.8	57.0	60.3	61.9
60°	38.5	40.8	47.5	54.2	60.3	65.8	68.2	70.5	72.6	74.1	74.2
57.5°	51.5	59.9	66.5	68.8	71.2	73.5	75.8	78.2	80.9	83.6	86.7
55°	66.1	69.6	72.6	75.3	77.5	79.4	82.0	87.5	93.8	100.6	109.8
52.5°	72.2	75.5	78.5	81.4	84.8	88.6	93.1	102.4	112.8	123.9	139.1
50°	77.6	81.3	85.2	88.8	94.0	100.1	106.8	119.2	134.2	150.3	171.5
47.5°	84.0	88.4	92.9	97.5	104.6	113.2	122.0	136.3	154.5	173.2	195.3
45°	91.0	96.1	101.5	108.3	116.6	126.5	136.4	149.2	174.1	200.5	230.6
42.5°	98.1	104.5	111.7	120.0	128.4	142.4	158.9	173.5	239.8	328.7	410.7
40°	106.6	113.5	123.0	136.4	154.6	176.1	290.8	374.7	528.8	824.5	1095.9
37.5°	116.2	125.0	153.1	180.6	313.6	441.2	743.4	1064.8	1367.0	2082.0	2659.5
35°	127.0	160.6	234.5	453.0	743.5	1221.1	1772.5	2611.4	3396.8	4162.5	4803.5
32.5°	156.1	243.8	517.0	1044.5	1618.7	2605.3	3562.4	4595.9	5535.2	6244.9	6742.1
30°	205.4	467.5	1062.7	1911.2	3188.0	4343.0	5491.9	6422.2	7149.5	7703.0	7904.4
27.5°	384.8	907.2	1786.7	3313.9	4781.5	6067.8	6945.4	7690.2	8010.4	8273.4	8384.2
25°	656.2	1458.8	3039.1	4682.5	6190.1	7211.4	7845.6	8235.2	8425.7	8579.6	8735.5
22.5°	1136.7	2504.9	4255.6	6012.6	7201.5	7896.8	8291.7	8495.8	8716.4	8958.4	9194.3
20°	1717.2	3514.2	5438.4	6926.3	7852.2	8305.1	8521.2	8783.7	9109.4	9506.7	9981.3
17.5°	2603.2	4511.1	6365.8	7689.4	8238.4	8505.4	8790.0	9156.6	9684.5	10427.6	11240.4
15°	3420.0	5484.1	7116.1	8009.8	8433.4	8723.5	9105.2	9693.5	10559.3	11776.7	13411.1
12.5°	4191.9	6235.6	7702.5	8283.9	8598.0	8969.0	9513.2	10386.0	11746.5	13848.5	16878.6
10°	4842.3	6770.3	7916.0	8386.6	8726.9	9207.8	9981.8	11197.0	13336.8	17011.3	22930.6
7.5°	5319.5	7149.3	8067.9	8473.8	8848.1	9435.5	10419.1	12173.6	15325.4	21198.4	32227.7
5°	5652.6	7420.4	8176.9	8536.2	8955.9	9609.9	10833.5	13187.7	17366.2	26641.9	43610.0
2.5°	5862.0	7600.2	8246.8	8569.9	9013.2	9733.8	11113.4	13886.3	19195.6	30910.2	53798.6
0°	5959.8	7715.8	8272.2	8606.9	9036.0	9783.6	11286.2	14106.6	19793.2	32490.8	57716.6
-2.5°	5862.0	7600.2	8246.8	8569.9	9013.2	9733.8	11113.4	13886.3	19195.6	30910.2	53798.6
-5°	5652.6	7420.4	8176.9	8536.2	8955.9	9609.9	10833.5	13187.7	17366.2	26641.9	43610.0
-7.5°	5319.5	7149.3	8067.9	8473.8	8848.1	9435.5	10419.1	12173.6	15325.4	21198.4	32227.7
-10°	4842.3	6770.3	7916.0	8386.6	8726.9	9207.8	9981.8	11197.0	13336.8	17011.3	22930.6
-12.5°	4191.9	6235.6	7702.5	8283.9	8598.0	8969.0	9513.2	10386.0	11746.5	13848.5	16878.6
-15°	3420.0	5484.1	7116.1	8009.8	8433.4	8723.5	9105.2	9693.5	10559.3	11776.7	13411.1
-17.5°	2603.2	4511.1	6365.8	7689.4	8238.4	8505.4	8790.0	9156.6	9684.5	10427.6	11240.4
-20°	1717.2	3514.2	5438.4	6926.3	7852.2	8305.1	8521.2	8783.7	9109.4	9506.7	9981.3



REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1136.7	2504.9	4255.6	6012.6	7201.5	7896.8	8291.7	8495.8	8716.4	8958.4	9194.3
-25°	656.2	1458.8	3039.1	4682.5	6190.1	7211.4	7845.6	8235.2	8425.7	8579.6	8735.5
-27.5°	384.8	907.2	1786.7	3313.9	4781.5	6067.8	6945.4	7690.2	8010.4	8273.4	8384.2
-30°	205.4	467.5	1062.7	1911.2	3188.0	4343.0	5491.9	6422.2	7149.5	7703.0	7904.4
-32.5°	156.1	243.8	517.0	1044.5	1618.7	2605.3	3562.4	4595.9	5535.2	6244.9	6742.1
-35°	127.0	160.6	234.5	453.0	743.5	1221.1	1772.5	2611.4	3396.8	4162.5	4803.5
-37.5°	116.2	125.0	153.1	180.6	313.6	441.2	743.4	1064.8	1367.0	2082.0	2659.5
-40°	106.6	113.5	123.0	136.4	154.6	176.1	290.8	374.7	528.8	824.5	1095.9
-42.5°	98.1	104.5	111.7	120.0	128.4	142.4	158.9	173.5	239.8	328.7	410.7
-45°	91.0	96.1	101.5	108.3	116.6	126.5	136.4	149.2	174.1	200.5	230.6
-47.5°	84.0	88.4	92.9	97.5	104.6	113.2	122.0	136.3	154.5	173.2	195.3
-50°	77.6	81.3	85.2	88.8	94.0	100.1	106.8	119.2	134.2	150.3	171.5
-52.5°	72.2	75.5	78.5	81.4	84.8	88.6	93.1	102.4	112.8	123.9	139.1
-55°	66.1	69.6	72.6	75.3	77.5	79.4	82.0	87.5	93.8	100.6	109.8
-57.5°	51.5	59.9	66.5	68.8	71.2	73.5	75.8	78.2	80.9	83.6	86.7
-60°	38.5	40.8	47.5	54.2	60.3	65.8	68.2	70.5	72.6	74.1	74.2
-62.5°	33.1	34.8	36.9	38.7	40.3	43.5	48.3	52.8	57.0	60.3	61.9
-65°	30.2	31.1	32.2	33.3	34.6	36.0	37.0	37.9	38.8	39.5	40.4
-67.5°	27.2	28.1	28.8	29.6	30.4	31.2	32.0	32.6	33.2	33.7	34.1
-70°	24.3	25.0	25.7	26.3	26.9	27.5	27.9	28.4	28.8	29.1	29.3
-72.5°	21.3	21.9	22.5	23.1	23.6	24.1	24.5	24.9	25.2	25.5	25.7
-75°	18.3	18.8	19.3	19.8	20.2	20.7	21.2	21.6	21.9	22.0	22.2
-77.5°	16.3	16.6	16.9	17.2	17.4	17.8	18.2	18.7	19.2	19.4	19.6
-80°	14.4	14.6	14.8	15.0	15.2	15.4	15.5	15.7	15.8	15.9	16.0
-82.5°	11.6	11.9	12.2	12.4	12.6	12.8	13.0	13.2	13.3	13.4	13.5
-85°	9.0	9.1	9.3	9.4	9.4	9.5	9.6	9.7	9.7	9.8	9.8
-87.5°	6.1	6.3	6.5	6.7	6.8	6.9	7.0	7.2	7.2	7.3	7.4
-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: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.2
85°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.7	9.7
82.5°	13.6	13.7	13.7	13.7	13.7	13.7	13.6	13.5	13.4	13.3	13.2
80°	16.0	16.1	16.1	16.1	16.1	16.1	16.0	16.0	15.9	15.8	15.7
77.5°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.6	19.4	19.2	18.7
75°	22.3	22.3	22.4	22.4	22.4	22.3	22.3	22.2	22.0	21.9	21.6
72.5°	25.9	26.0	26.1	26.1	26.1	26.0	25.9	25.7	25.5	25.2	24.9
70°	29.5	29.7	29.8	29.8	29.8	29.7	29.5	29.3	29.1	28.8	28.4
67.5°	34.4	34.6	34.8	34.8	34.8	34.6	34.4	34.1	33.7	33.2	32.6
65°	41.2	41.8	42.1	42.2	42.1	41.8	41.2	40.4	39.5	38.8	37.9
62.5°	62.7	62.6	62.0	60.9	62.0	62.6	62.7	61.9	60.3	57.0	52.8
60°	74.2	74.1	72.8	70.8	72.8	74.1	74.2	74.2	74.1	72.6	70.5
57.5°	90.1	93.7	94.8	94.4	94.8	93.7	90.1	86.7	83.6	80.9	78.2
55°	119.5	129.1	133.5	134.1	133.5	129.1	119.5	109.8	100.6	93.8	87.5
52.5°	155.8	172.5	183.2	188.8	183.2	172.5	155.8	139.1	123.9	112.8	102.4
50°	195.8	220.1	236.0	243.4	236.0	220.1	195.8	171.5	150.3	134.2	119.2
47.5°	220.8	245.7	261.9	268.2	261.9	245.7	220.8	195.3	173.2	154.5	136.3
45°	269.9	310.1	338.2	347.7	338.2	310.1	269.9	230.6	200.5	174.1	149.2
42.5°	475.2	522.8	550.3	556.4	550.3	522.8	475.2	410.7	328.7	239.8	173.5
40°	1246.4	1321.4	1354.7	1384.7	1354.7	1321.4	1246.4	1095.9	824.5	528.8	374.7
37.5°	3046.6	3295.2	3441.6	3518.3	3441.6	3295.2	3046.6	2659.5	2082.0	1367.0	1064.8
35°	5283.3	5604.3	5784.1	5812.0	5784.1	5604.3	5283.3	4803.5	4162.5	3396.8	2611.4
32.5°	7131.7	7392.6	7544.6	7606.5	7544.6	7392.6	7131.7	6742.1	6244.9	5535.2	4595.9
30°	8057.7	8153.1	8207.5	8227.5	8207.5	8153.1	8057.7	7904.4	7703.0	7149.5	6422.2
27.5°	8467.0	8515.5	8531.7	8558.5	8531.7	8515.5	8467.0	8384.2	8273.4	8010.4	7690.2
25°	8847.6	8932.3	8961.0	8973.9	8961.0	8932.3	8847.6	8735.5	8579.6	8425.7	8235.2
22.5°	9433.1	9619.4	9722.9	9746.3	9722.9	9619.4	9433.1	9194.3	8958.4	8716.4	8495.8
20°	10476.6	10888.6	11226.6	11307.4	11226.6	10888.6	10476.6	9981.3	9506.7	9109.4	8783.7
17.5°	12208.6	13187.7	13854.0	14089.2	13854.0	13187.7	12208.6	11240.4	10427.6	9684.5	9156.6
15°	15403.7	17485.2	19055.4	19358.5	19055.4	17485.2	15403.7	13411.1	11776.7	10559.3	9693.5
12.5°	21048.7	25806.2	29724.6	31409.8	29724.6	25806.2	21048.7	16878.6	13848.5	11746.5	10386.0
10°	32256.9	43940.7	53724.5	56232.5	53724.5	43940.7	32256.9	22930.6	17011.3	13336.8	11197.0
7.5°	50898.1	74960.4	97761.5	109134.3	97761.5	74960.4	50898.1	32227.7	21198.4	15325.4	12173.6
5°	74701.3	124910.7	168184.9	183223.9	168184.9	124910.7	74701.3	43610.0	26641.9	17366.2	13187.7
2.5°	100785.8	169124.7	209177.5	217741.5	209177.5	169124.7	100785.8	53798.6	30910.2	19195.6	13886.3
0°	114532.8	183622.6	216617.0	216875.3	216617.0	183622.6	114532.8	57716.6	32490.8	19793.2	14106.6
-2.5°	100785.8	169124.7	209177.5	217741.4	209177.5	169124.7	100785.8	53798.6	30910.2	19195.6	13886.3
-5°	74701.3	124910.7	168184.9	183223.9	168184.9	124910.7	74701.3	43610.0	26641.9	17366.2	13187.7
-7.5°	50898.1	74960.4	97761.5	109134.3	97761.5	74960.4	50898.1	32227.7	21198.4	15325.4	12173.6
-10°	32256.9	43940.7	53724.5	56232.5	53724.5	43940.7	32256.9	22930.6	17011.3	13336.8	11197.0
-12.5°	21048.7	25806.2	29724.6	31409.7	29724.6	25806.2	21048.7	16878.6	13848.5	11746.5	10386.0
-15°	15403.7	17485.2	19055.4	19358.5	19055.4	17485.2	15403.7	13411.1	11776.7	10559.3	9693.5
-17.5°	12208.6	13187.7	13854.0	14089.1	13854.0	13187.7	12208.6	11240.4	10427.6	9684.5	9156.6
-20°	10476.6	10888.6	11226.6	11307.4	11226.6	10888.6	10476.6	9981.3	9506.7	9109.4	8783.7



REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9433.1	9619.4	9722.9	9746.3	9722.9	9619.4	9433.1	9194.3	8958.4	8716.4	8495.8
-25°	8847.6	8932.3	8961.0	8973.9	8961.0	8932.3	8847.6	8735.5	8579.6	8425.7	8235.2
-27.5°	8467.0	8515.5	8531.7	8558.4	8531.7	8515.5	8467.0	8384.2	8273.4	8010.4	7690.2
-30°	8057.7	8153.1	8207.5	8227.5	8207.5	8153.1	8057.7	7904.4	7703.0	7149.5	6422.2
-32.5°	7131.7	7392.6	7544.6	7606.5	7544.6	7392.6	7131.7	6742.1	6244.9	5535.2	4595.9
-35°	5283.3	5604.3	5784.1	5812.0	5784.1	5604.3	5283.3	4803.5	4162.5	3396.8	2611.4
-37.5°	3046.6	3295.2	3441.6	3518.3	3441.6	3295.2	3046.6	2659.5	2082.0	1367.0	1064.8
-40°	1246.4	1321.4	1354.7	1384.7	1354.7	1321.4	1246.4	1095.9	824.5	528.8	374.7
-42.5°	475.2	522.8	550.3	556.4	550.3	522.8	475.2	410.7	328.7	239.8	173.5
-45°	269.9	310.1	338.2	347.7	338.2	310.1	269.9	230.6	200.5	174.1	149.2
-47.5°	220.8	245.7	261.9	268.2	261.9	245.7	220.8	195.3	173.2	154.5	136.3
-50°	195.8	220.1	236.0	243.4	236.0	220.1	195.8	171.5	150.3	134.2	119.2
-52.5°	155.8	172.5	183.2	188.8	183.2	172.5	155.8	139.1	123.9	112.8	102.4
-55°	119.5	129.1	133.5	134.1	133.5	129.1	119.5	109.8	100.6	93.8	87.5
-57.5°	90.1	93.7	94.8	94.4	94.8	93.7	90.1	86.7	83.6	80.9	78.2
-60°	74.2	74.1	72.8	70.8	72.8	74.1	74.2	74.2	74.1	72.6	70.5
-62.5°	62.7	62.6	62.0	60.9	62.0	62.6	62.7	61.9	60.3	57.0	52.8
-65°	41.2	41.8	42.1	42.2	42.1	41.8	41.2	40.4	39.5	38.8	37.9
-67.5°	34.4	34.6	34.8	34.8	34.8	34.6	34.4	34.1	33.7	33.2	32.6
-70°	29.5	29.7	29.8	29.8	29.8	29.7	29.5	29.3	29.1	28.8	28.4
-72.5°	25.9	26.0	26.1	26.1	26.1	26.0	25.9	25.7	25.5	25.2	24.9
-75°	22.3	22.3	22.4	22.4	22.4	22.3	22.3	22.2	22.0	21.9	21.6
-77.5°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.6	19.4	19.2	18.7
-80°	16.0	16.1	16.1	16.1	16.1	16.1	16.0	16.0	15.9	15.8	15.7
-82.5°	13.6	13.7	13.7	13.7	13.7	13.7	13.6	13.5	13.4	13.3	13.2
-85°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.7	9.7
-87.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.2
-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: P722772 (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°
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°	7.0	6.9	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3
85°	9.6	9.5	9.4	9.4	9.3	9.1	9.0	8.9	8.8	8.6	8.5
82.5°	13.0	12.8	12.6	12.4	12.2	11.9	11.6	11.3	11.0	10.7	10.3
80°	15.5	15.4	15.2	15.0	14.8	14.6	14.4	14.1	13.8	13.5	13.0
77.5°	18.2	17.8	17.4	17.2	16.9	16.6	16.3	16.0	15.7	15.3	14.9
75°	21.2	20.7	20.2	19.8	19.3	18.8	18.3	17.9	17.5	17.1	16.6
72.5°	24.5	24.1	23.6	23.1	22.5	21.9	21.3	20.6	19.8	19.1	18.4
70°	27.9	27.5	26.9	26.3	25.7	25.0	24.3	23.5	22.7	21.8	20.9
67.5°	32.0	31.2	30.4	29.6	28.8	28.1	27.2	26.4	25.4	24.5	23.4
65°	37.0	36.0	34.6	33.3	32.2	31.1	30.2	29.2	28.2	27.0	25.6
62.5°	48.3	43.5	40.3	38.7	36.9	34.8	33.1	32.0	30.9	29.5	28.0
60°	68.2	65.8	60.3	54.2	47.5	40.8	38.5	36.1	33.6	32.1	30.5
57.5°	75.8	73.5	71.2	68.8	66.5	59.9	51.5	43.1	38.9	35.9	33.2
55°	82.0	79.4	77.5	75.3	72.6	69.6	66.1	59.8	50.4	40.7	37.4
52.5°	93.1	88.6	84.8	81.4	78.5	75.5	72.2	68.3	64.3	55.7	44.7
50°	106.8	100.1	94.0	88.8	85.2	81.3	77.6	74.0	70.3	66.0	59.0
47.5°	122.0	113.2	104.6	97.5	92.9	88.4	84.0	79.2	75.5	71.6	66.9
45°	136.4	126.5	116.6	108.3	101.5	96.1	91.0	85.9	80.7	76.3	72.0
42.5°	158.9	142.4	128.4	120.0	111.7	104.5	98.1	92.7	87.0	81.2	76.3
40°	290.8	176.1	154.6	136.4	123.0	113.5	106.6	99.7	93.5	87.0	80.8
37.5°	743.4	441.2	313.6	180.6	153.1	125.0	116.2	108.2	100.2	93.7	86.8
35°	1772.5	1221.1	743.5	453.0	234.5	160.6	127.0	117.3	108.7	101.1	93.4
32.5°	3562.4	2605.3	1618.7	1044.5	517.0	243.8	156.1	127.2	118.8	110.1	100.7
30°	5491.9	4343.0	3188.0	1911.2	1062.7	467.5	205.4	150.2	129.6	120.1	108.7
27.5°	6945.4	6067.8	4781.5	3313.9	1786.7	907.2	384.8	178.9	144.0	130.0	118.9
25°	7845.6	7211.4	6190.1	4682.5	3039.1	1458.8	656.2	293.3	169.7	140.3	135.1
22.5°	8291.7	7896.8	7201.5	6012.6	4255.6	2504.9	1136.7	402.8	199.3	163.2	151.2
20°	8521.2	8305.1	7852.2	6926.3	5438.4	3514.2	1717.2	718.2	308.8	190.6	167.9
17.5°	8790.0	8505.4	8238.4	7689.4	6365.8	4511.1	2603.2	1137.2	420.9	215.1	185.1
15°	9105.2	8723.5	8433.4	8009.8	7116.1	5484.1	3420.0	1528.9	600.3	278.3	208.0
12.5°	9513.2	8969.0	8598.0	8283.9	7702.5	6235.6	4191.9	2187.0	903.1	368.3	236.3
10°	9981.8	9207.8	8726.9	8386.6	7916.0	6770.3	4842.3	2710.9	1133.9	443.4	264.0
7.5°	10419.1	9435.5	8848.1	8473.8	8067.9	7149.3	5319.5	3118.1	1308.6	502.1	291.0
5°	10833.5	9609.9	8955.9	8536.2	8176.9	7420.4	5652.6	3414.1	1428.2	545.5	316.7
2.5°	11113.4	9733.8	9013.2	8569.9	8246.8	7600.2	5862.0	3613.6	1477.0	556.1	328.1
0°	11286.2	9783.6	9036.0	8606.9	8272.2	7715.8	5959.8	3713.2	1466.7	550.2	337.8
-2.5°	11113.4	9733.8	9013.2	8569.9	8246.8	7600.2	5862.0	3613.6	1477.0	556.1	328.1
-5°	10833.5	9609.9	8955.9	8536.2	8176.9	7420.4	5652.6	3414.1	1428.2	545.5	316.7
-7.5°	10419.1	9435.5	8848.1	8473.8	8067.9	7149.3	5319.5	3118.1	1308.6	502.1	291.0
-10°	9981.8	9207.8	8726.9	8386.6	7916.0	6770.3	4842.3	2710.9	1133.9	443.4	264.0
-12.5°	9513.2	8969.0	8598.0	8283.9	7702.5	6235.6	4191.9	2187.0	903.1	368.3	236.3
-15°	9105.2	8723.5	8433.4	8009.8	7116.1	5484.1	3420.0	1528.9	600.3	278.3	208.0
-17.5°	8790.0	8505.4	8238.4	7689.4	6365.8	4511.1	2603.2	1137.2	420.9	215.1	185.1
-20°	8521.2	8305.1	7852.2	6926.3	5438.4	3514.2	1717.2	718.2	308.8	190.6	167.9



REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_ALL-ON

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8291.7	7896.8	7201.5	6012.6	4255.6	2504.9	1136.7	402.8	199.3	163.2	151.2
-25°	7845.6	7211.4	6190.1	4682.5	3039.1	1458.8	656.2	293.3	169.7	140.3	135.1
-27.5°	6945.4	6067.8	4781.5	3313.9	1786.7	907.2	384.8	178.9	144.0	130.0	118.9
-30°	5491.9	4343.0	3188.0	1911.2	1062.7	467.5	205.4	150.2	129.6	120.1	108.7
-32.5°	3562.4	2605.3	1618.7	1044.5	517.0	243.8	156.1	127.2	118.8	110.1	100.7
-35°	1772.5	1221.1	743.5	453.0	234.5	160.6	127.0	117.3	108.7	101.1	93.4
-37.5°	743.4	441.2	313.6	180.6	153.1	125.0	116.2	108.2	100.2	93.7	86.8
-40°	290.8	176.1	154.6	136.4	123.0	113.5	106.6	99.7	93.5	87.0	80.8
-42.5°	158.9	142.4	128.4	120.0	111.7	104.5	98.1	92.7	87.0	81.2	76.3
-45°	136.4	126.5	116.6	108.3	101.5	96.1	91.0	85.9	80.7	76.3	72.0
-47.5°	122.0	113.2	104.6	97.5	92.9	88.4	84.0	79.2	75.5	71.6	66.9
-50°	106.8	100.1	94.0	88.8	85.2	81.3	77.6	74.0	70.3	66.0	59.0
-52.5°	93.1	88.6	84.8	81.4	78.5	75.5	72.2	68.3	64.3	55.7	44.7
-55°	82.0	79.4	77.5	75.3	72.6	69.6	66.1	59.8	50.4	40.7	37.4
-57.5°	75.8	73.5	71.2	68.8	66.5	59.9	51.5	43.1	38.9	35.9	33.2
-60°	68.2	65.8	60.3	54.2	47.5	40.8	38.5	36.1	33.6	32.1	30.5
-62.5°	48.3	43.5	40.3	38.7	36.9	34.8	33.1	32.0	30.9	29.5	28.0
-65°	37.0	36.0	34.6	33.3	32.2	31.1	30.2	29.2	28.2	27.0	25.6
-67.5°	32.0	31.2	30.4	29.6	28.8	28.1	27.2	26.4	25.4	24.5	23.4
-70°	27.9	27.5	26.9	26.3	25.7	25.0	24.3	23.5	22.7	21.8	20.9
-72.5°	24.5	24.1	23.6	23.1	22.5	21.9	21.3	20.6	19.8	19.1	18.4
-75°	21.2	20.7	20.2	19.8	19.3	18.8	18.3	17.9	17.5	17.1	16.6
-77.5°	18.2	17.8	17.4	17.2	16.9	16.6	16.3	16.0	15.7	15.3	14.9
-80°	15.5	15.4	15.2	15.0	14.8	14.6	14.4	14.1	13.8	13.5	13.0
-82.5°	13.0	12.8	12.6	12.4	12.2	11.9	11.6	11.3	11.0	10.7	10.3
-85°	9.6	9.5	9.4	9.4	9.3	9.1	9.0	8.9	8.8	8.6	8.5
-87.5°	7.0	6.9	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P722772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-1R_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°	5.1	4.8	4.6	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.3
85°	8.3	8.2	8.0	7.9	7.7	7.5	6.9	6.3	5.7	5.1	4.5
82.5°	10.0	9.7	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.6	6.7
80°	12.3	11.6	11.1	10.6	10.3	9.9	9.5	9.1	8.8	8.4	8.0
77.5°	14.3	13.6	12.7	12.1	11.9	11.5	10.9	10.3	9.7	9.2	8.7
75°	16.2	15.6	14.8	14.0	13.5	13.1	12.6	11.8	10.8	10.0	9.4
72.5°	17.8	17.2	16.6	16.0	15.2	14.5	14.0	13.3	12.1	11.0	10.1
70°	19.9	18.9	18.1	17.4	16.7	15.9	15.2	14.4	13.2	12.0	10.9
67.5°	22.4	21.2	20.1	18.9	18.0	17.1	16.3	15.4	14.3	12.9	11.6
65°	24.3	23.2	22.3	20.9	19.5	18.3	17.4	16.4	15.3	13.9	12.3
62.5°	26.4	24.8	23.7	22.7	21.4	19.9	18.4	17.4	16.3	14.9	13.2
60°	28.6	26.8	25.1	24.0	23.0	21.6	19.9	18.3	17.1	15.9	14.1
57.5°	31.3	29.0	27.2	25.5	24.1	23.0	21.4	19.5	18.0	16.7	15.1
55°	34.3	31.8	29.5	27.4	25.5	24.0	22.7	20.9	18.9	17.4	16.0
52.5°	38.0	34.8	32.0	29.5	27.2	25.1	23.7	22.3	20.1	18.1	16.6
50°	46.7	38.2	34.8	31.8	29.0	26.7	24.6	23.1	21.2	18.9	17.2
47.5°	60.2	46.8	37.9	34.2	31.1	28.2	25.8	23.9	22.4	19.9	17.8
45°	67.1	59.4	44.6	37.0	33.2	30.0	27.2	24.7	23.1	20.9	18.4
42.5°	71.6	66.5	56.1	39.9	35.7	31.8	28.5	25.8	23.7	21.8	19.1
40°	75.5	70.4	65.3	50.4	38.2	33.6	30.0	26.9	24.4	22.6	19.8
37.5°	79.2	74.0	68.7	60.3	42.4	35.9	31.5	28.0	25.1	23.1	20.6
35°	85.0	77.3	72.0	66.3	51.1	38.2	33.0	29.1	26.0	23.6	21.3
32.5°	91.3	81.9	75.8	69.5	59.3	40.5	34.7	30.3	26.8	24.1	21.9
30°	98.7	89.3	79.9	72.7	65.5	47.1	36.7	31.5	27.6	24.5	22.5
27.5°	109.6	97.2	84.9	76.3	68.3	53.5	38.5	32.6	28.4	25.0	22.9
25°	122.8	107.4	92.1	80.3	71.1	58.9	40.2	33.6	29.2	25.6	23.2
22.5°	138.2	119.5	99.7	84.4	73.2	63.4	43.2	34.9	30.0	26.2	23.5
20°	154.7	132.9	108.0	89.4	75.8	65.0	47.1	36.2	30.7	26.7	23.8
17.5°	171.8	149.6	121.8	97.1	79.1	66.4	50.3	37.3	31.4	27.1	24.0
15°	192.6	170.3	137.4	105.5	82.6	67.7	52.9	38.3	31.9	27.5	24.2
12.5°	214.7	191.8	154.0	114.5	86.1	68.8	54.9	39.1	32.4	27.8	24.4
10°	236.5	213.5	171.0	123.6	89.6	69.7	56.3	39.7	32.8	28.1	24.5
7.5°	257.8	235.1	187.8	132.5	92.7	70.3	57.2	40.0	33.1	28.3	24.7
5°	275.8	251.3	199.9	138.6	95.1	70.3	57.6	40.0	33.3	28.5	24.7
2.5°	281.2	258.9	207.8	143.2	96.9	70.1	57.5	39.9	33.5	28.6	24.8
0°	285.6	264.5	213.6	146.5	98.1	69.5	57.1	39.7	33.5	28.6	24.8
-2.5°	281.2	258.9	207.8	143.2	96.9	70.1	57.5	39.9	33.5	28.6	24.8
-5°	275.8	251.3	199.9	138.6	95.1	70.3	57.6	40.0	33.3	28.5	24.7
-7.5°	257.8	235.1	187.8	132.5	92.7	70.3	57.2	40.0	33.1	28.3	24.7
-10°	236.5	213.5	171.0	123.6	89.6	69.7	56.3	39.7	32.8	28.1	24.5
-12.5°	214.7	191.8	154.0	114.5	86.1	68.8	54.9	39.1	32.4	27.8	24.4
-15°	192.6	170.3	137.4	105.5	82.6	67.7	52.9	38.3	31.9	27.5	24.2
-17.5°	171.8	149.6	121.8	97.1	79.1	66.4	50.3	37.3	31.4	27.1	24.0
-20°	154.7	132.9	108.0	89.4	75.8	65.0	47.1	36.2	30.7	26.7	23.8



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	138.2	119.5	99.7	84.4	73.2	63.4	43.2	34.9	30.0	26.2	23.5
-25°	122.8	107.4	92.1	80.3	71.1	58.9	40.2	33.6	29.2	25.6	23.2
-27.5°	109.6	97.2	84.9	76.3	68.3	53.5	38.5	32.6	28.4	25.0	22.9
-30°	98.7	89.3	79.9	72.7	65.5	47.1	36.7	31.5	27.6	24.5	22.5
-32.5°	91.3	81.9	75.8	69.5	59.3	40.5	34.7	30.3	26.8	24.1	21.9
-35°	85.0	77.3	72.0	66.3	51.1	38.2	33.0	29.1	26.0	23.6	21.3
-37.5°	79.2	74.0	68.7	60.3	42.4	35.9	31.5	28.0	25.1	23.1	20.6
-40°	75.5	70.4	65.3	50.4	38.2	33.6	30.0	26.9	24.4	22.6	19.8
-42.5°	71.6	66.5	56.1	39.9	35.7	31.8	28.5	25.8	23.7	21.8	19.1
-45°	67.1	59.4	44.6	37.0	33.2	30.0	27.2	24.7	23.1	20.9	18.4
-47.5°	60.2	46.8	37.9	34.2	31.1	28.2	25.8	23.9	22.4	19.9	17.8
-50°	46.7	38.2	34.8	31.8	29.0	26.7	24.6	23.1	21.2	18.9	17.2
-52.5°	38.0	34.8	32.0	29.5	27.2	25.1	23.7	22.3	20.1	18.1	16.6
-55°	34.3	31.8	29.5	27.4	25.5	24.0	22.7	20.9	18.9	17.4	16.0
-57.5°	31.3	29.0	27.2	25.5	24.1	23.0	21.4	19.5	18.0	16.7	15.1
-60°	28.6	26.8	25.1	24.0	23.0	21.6	19.9	18.3	17.1	15.9	14.1
-62.5°	26.4	24.8	23.7	22.7	21.4	19.9	18.4	17.4	16.3	14.9	13.2
-65°	24.3	23.2	22.3	20.9	19.5	18.3	17.4	16.4	15.3	13.9	12.3
-67.5°	22.4	21.2	20.1	18.9	18.0	17.1	16.3	15.4	14.3	12.9	11.6
-70°	19.9	18.9	18.1	17.4	16.7	15.9	15.2	14.4	13.2	12.0	10.9
-72.5°	17.8	17.2	16.6	16.0	15.2	14.5	14.0	13.3	12.1	11.0	10.1
-75°	16.2	15.6	14.8	14.0	13.5	13.1	12.6	11.8	10.8	10.0	9.4
-77.5°	14.3	13.6	12.7	12.1	11.9	11.5	10.9	10.3	9.7	9.2	8.7
-80°	12.3	11.6	11.1	10.6	10.3	9.9	9.5	9.1	8.8	8.4	8.0
-82.5°	10.0	9.7	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.6	6.7
-85°	8.3	8.2	8.0	7.9	7.7	7.5	6.9	6.3	5.7	5.1	4.5
-87.5°	5.1	4.8	4.6	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.3
-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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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°	1.9	1.6	1.3	1.0	0.7	0.3	0.0
85°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
82.5°	5.8	4.9	3.9	2.9	2.0	1.0	0.0
80°	7.6	6.5	5.2	3.9	2.6	1.3	0.0
77.5°	8.2	7.7	6.5	4.9	3.2	1.6	0.0
75°	8.8	8.2	7.6	5.8	3.9	1.9	0.0
72.5°	9.4	8.7	8.0	6.7	4.5	2.3	0.0
70°	10.0	9.2	8.4	7.6	5.1	2.6	0.0
67.5°	10.6	9.7	8.8	7.8	5.7	2.9	0.0
65°	11.2	10.1	9.1	8.1	6.3	3.2	0.0
62.5°	11.8	10.6	9.5	8.4	6.9	3.5	0.0
60°	12.3	11.1	9.9	8.7	7.5	3.7	0.0
57.5°	13.1	11.6	10.3	9.0	7.7	4.0	0.0
55°	13.9	12.0	10.6	9.2	7.9	4.3	0.0
52.5°	14.7	12.5	11.0	9.5	8.0	4.6	0.0
50°	15.5	13.1	11.3	9.7	8.2	4.8	0.0
47.5°	16.2	13.7	11.6	10.0	8.3	5.1	0.0
45°	16.6	14.3	12.0	10.2	8.5	5.3	0.0
42.5°	17.1	14.9	12.3	10.4	8.6	5.5	0.0
40°	17.5	15.4	12.6	10.6	8.8	5.7	0.0
37.5°	17.9	15.9	13.0	10.8	8.9	5.9	0.0
35°	18.3	16.3	13.4	11.0	9.0	6.1	0.0
32.5°	18.8	16.6	13.8	11.2	9.1	6.3	0.0
30°	19.3	16.9	14.1	11.4	9.3	6.5	0.0
27.5°	19.8	17.2	14.4	11.5	9.4	6.7	0.0
25°	20.2	17.4	14.7	11.7	9.4	6.8	0.0
22.5°	20.6	17.6	15.0	11.8	9.5	6.9	0.0
20°	21.0	17.8	15.2	11.9	9.6	7.0	0.0
17.5°	21.3	18.0	15.4	12.1	9.7	7.2	0.0
15°	21.6	18.2	15.6	12.1	9.7	7.2	0.0
12.5°	21.8	18.3	15.7	12.2	9.8	7.3	0.0
10°	22.0	18.4	15.9	12.3	9.8	7.4	0.0
7.5°	22.2	18.5	16.0	12.3	9.9	7.4	0.0
5°	22.3	18.6	16.0	12.4	9.9	7.5	0.0
2.5°	22.4	18.6	16.1	12.4	9.9	7.5	0.0
0°	22.4	18.6	16.1	12.4	9.9	7.5	0.0
-2.5°	22.4	18.6	16.1	12.4	9.9	7.5	0.0
-5°	22.3	18.6	16.0	12.4	9.9	7.5	0.0
-7.5°	22.2	18.5	16.0	12.3	9.9	7.4	0.0
-10°	22.0	18.4	15.9	12.3	9.8	7.4	0.0
-12.5°	21.8	18.3	15.7	12.2	9.8	7.3	0.0
-15°	21.6	18.2	15.6	12.1	9.7	7.2	0.0
-17.5°	21.3	18.0	15.4	12.1	9.7	7.2	0.0
-20°	21.0	17.8	15.2	11.9	9.6	7.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.6	17.6	15.0	11.8	9.5	6.9	0.0
-25°	20.2	17.4	14.7	11.7	9.4	6.8	0.0
-27.5°	19.8	17.2	14.4	11.5	9.4	6.7	0.0
-30°	19.3	16.9	14.1	11.4	9.3	6.5	0.0
-32.5°	18.8	16.6	13.8	11.2	9.1	6.3	0.0
-35°	18.3	16.3	13.4	11.0	9.0	6.1	0.0
-37.5°	17.9	15.9	13.0	10.8	8.9	5.9	0.0
-40°	17.5	15.4	12.6	10.6	8.8	5.7	0.0
-42.5°	17.1	14.9	12.3	10.4	8.6	5.5	0.0
-45°	16.6	14.3	12.0	10.2	8.5	5.3	0.0
-47.5°	16.2	13.7	11.6	10.0	8.3	5.1	0.0
-50°	15.5	13.1	11.3	9.7	8.2	4.8	0.0
-52.5°	14.7	12.5	11.0	9.5	8.0	4.6	0.0
-55°	13.9	12.0	10.6	9.2	7.9	4.3	0.0
-57.5°	13.1	11.6	10.3	9.0	7.7	4.0	0.0
-60°	12.3	11.1	9.9	8.7	7.5	3.7	0.0
-62.5°	11.8	10.6	9.5	8.4	6.9	3.5	0.0
-65°	11.2	10.1	9.1	8.1	6.3	3.2	0.0
-67.5°	10.6	9.7	8.8	7.8	5.7	2.9	0.0
-70°	10.0	9.2	8.4	7.6	5.1	2.6	0.0
-72.5°	9.4	8.7	8.0	6.7	4.5	2.3	0.0
-75°	8.8	8.2	7.6	5.8	3.9	1.9	0.0
-77.5°	8.2	7.7	6.5	4.9	3.2	1.6	0.0
-80°	7.6	6.5	5.2	3.9	2.6	1.3	0.0
-82.5°	5.8	4.9	3.9	2.9	2.0	1.0	0.0
-85°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
-87.5°	1.9	1.6	1.3	1.0	0.7	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)