

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: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-720PL-RGB-2R_ALL-ON**

Issue Date: 11/1/2023

Test Information

Test Method: LM-79-08
Report Number: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-140-8)
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_ALL-ON
Description: LUMASPORT 16 PRISM RGB
Light Source: -
Ballast/Driver: -

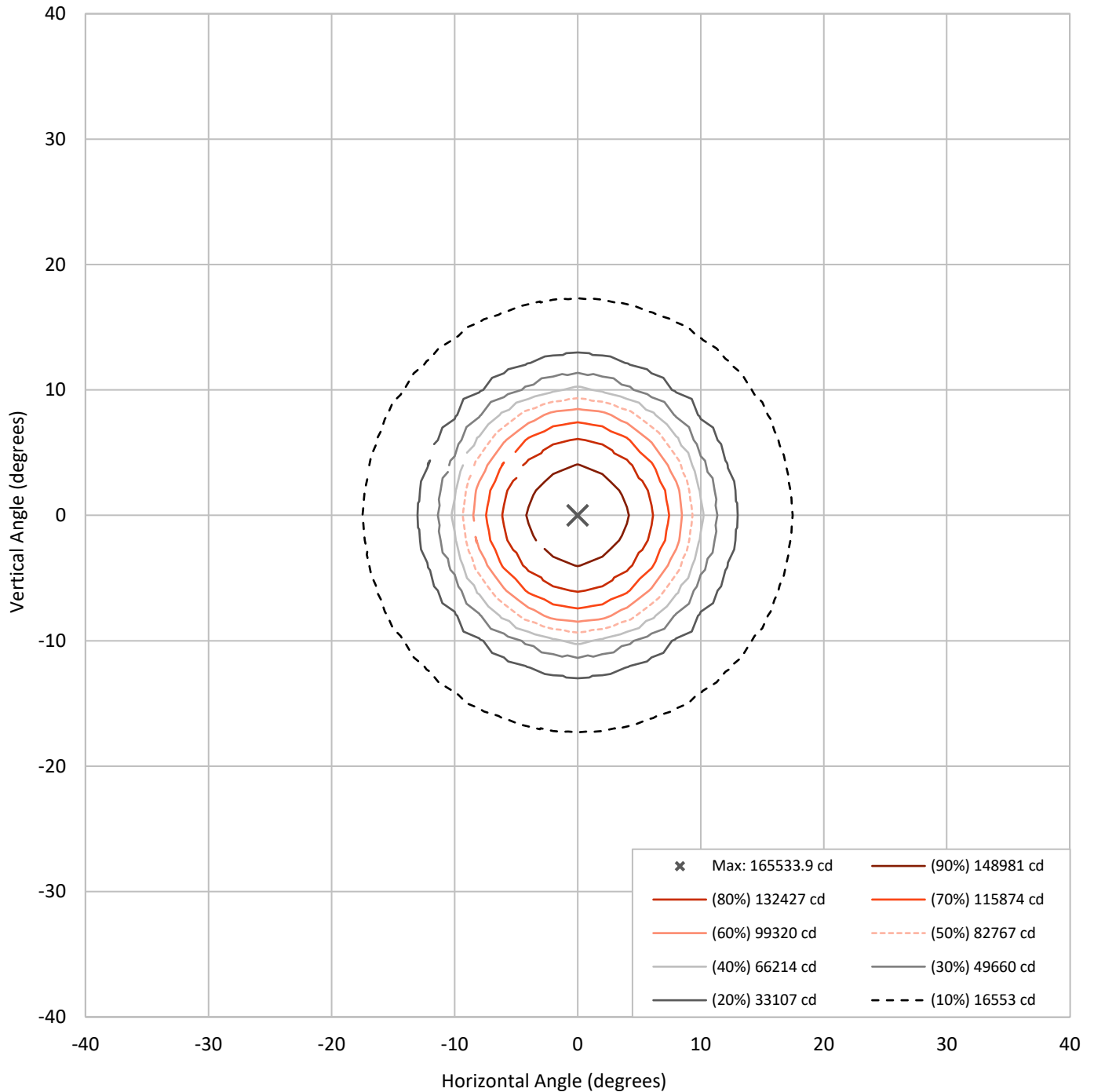
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	27016.7 lumens	Max Intensity:	165533.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	37.2 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	18.7°H x 18.7°V	Field Angle (10%):	34.7°H x 34.4°V
Beam Lumens:	10324.3 lumens	Field Lumens:	16963 lumens
Beam Efficiency:	38.2%	Field Efficiency:	62.8%
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: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_ALL-ON

Iso-Candela Plot



REPORT NUMBER: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)

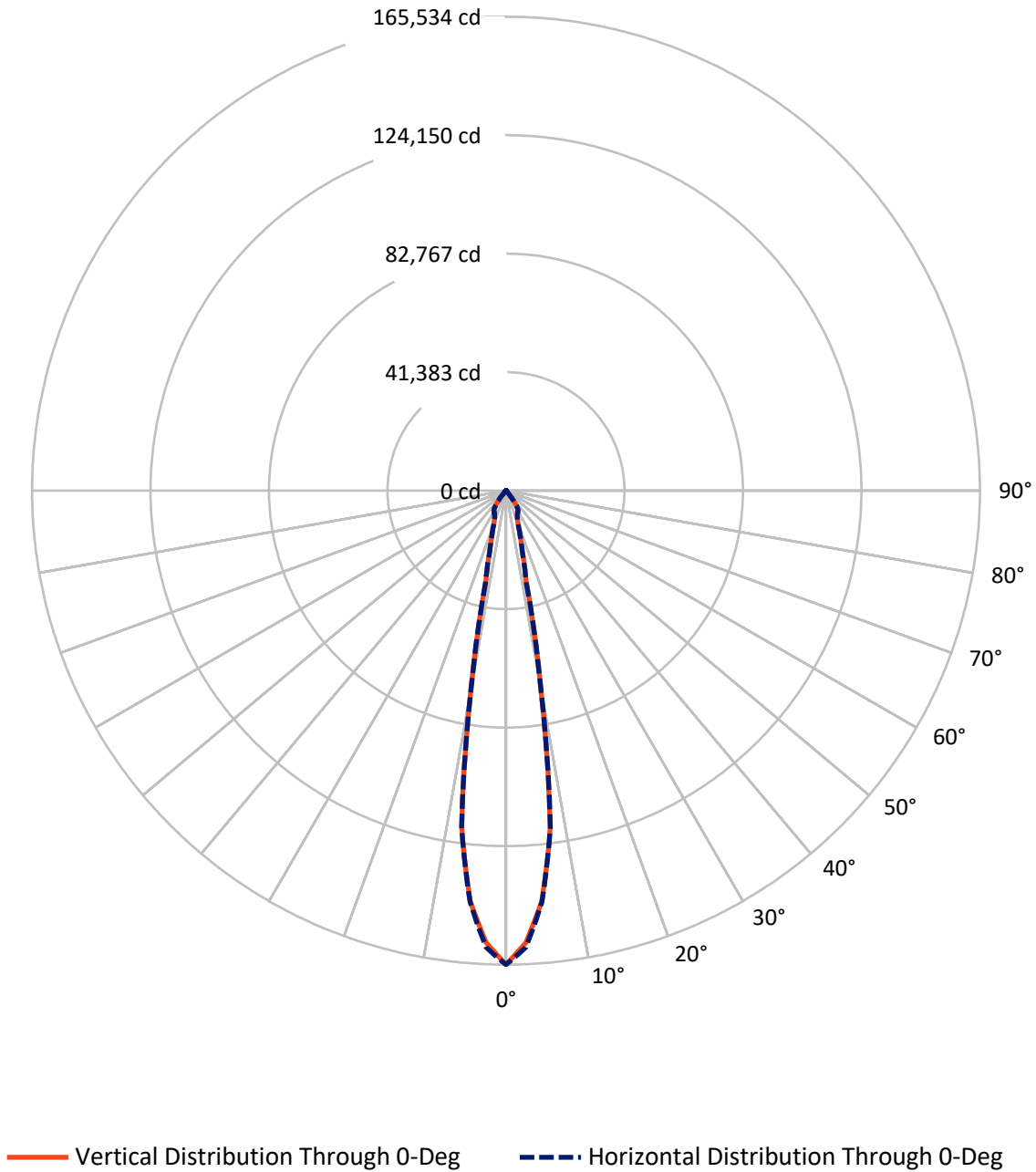
CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_ALL-ON

Lumen Table

90	0.1	0.5		1.1		1.7		1.9		1.7		1.1		0.5		0.1
80	0.1	0.5		1.1		1.7		1.9		1.7		1.1		0.5		0.1
70	0.2	0.2	0.4	0.6	0.8	1.1	1.4	1.5	1.5	1.4	1.1	0.8	0.6	0.4	0.2	0.2
60		0.3	0.6	1.0	1.5	2.1	3.0	4.8	4.8	3.0	2.1	1.5	1.0	0.6	0.3	
50	0.3	0.4	0.8	1.5	2.5	4.2	9.6	17.5	17.5	9.6	4.2	2.5	1.5	0.8	0.4	0.3
40		0.5	1.1	2.3	6.5	41.3	112.7	166.9	166.9	112.7	41.3	6.5	2.3	1.1	0.5	
30	0.4	0.6	1.5	3.6	35.0	163.5	247.5	285.7	285.7	247.5	163.5	35.0	3.6	1.5	0.6	0.4
20		0.6	2.3	7.7	96.8	232.6	356.1	681.0	681.0	356.1	232.6	96.8	7.7	2.3	0.6	
10	0.4	0.7	3.0	12.4	137.9	262.3	669.7	3161.1	3161.1	669.7	262.3	137.9	12.4	3.0	0.7	0.4
0		0.7	3.0	12.4	137.9	262.3	669.7	3161.1	3161.1	669.7	262.3	137.9	12.4	3.0	0.7	
-10	0.4	0.6	2.3	7.7	96.8	232.6	356.1	681.0	681.0	356.1	232.6	96.8	7.7	2.3	0.6	0.4
-20		0.6	1.5	3.6	35.0	163.5	247.5	285.7	285.7	247.5	163.5	35.0	3.6	1.5	0.6	
-30	0.3	0.5	1.1	2.3	6.5	41.3	112.7	166.9	166.9	112.7	41.3	6.5	2.3	1.1	0.5	0.3
-40		0.4	0.8	1.5	2.5	4.2	9.6	17.5	17.5	9.6	4.2	2.5	1.5	0.8	0.4	
-50	0.2	0.3	0.6	1.0	1.5	2.1	3.0	4.8	4.8	3.0	2.1	1.5	1.0	0.6	0.3	0.2
-60		0.2	0.4	0.6	0.8	1.1	1.4	1.5	1.5	1.4	1.1	0.8	0.6	0.4	0.2	
-70	0.1	0.5		1.1		1.7		1.9		1.7		1.1		0.5		0.1
-80		0.5		1.1		1.7		1.9		1.7		1.1		0.5		
-90	0.1	0.5		1.1		1.7		1.9		1.7		1.1		0.5		0.1

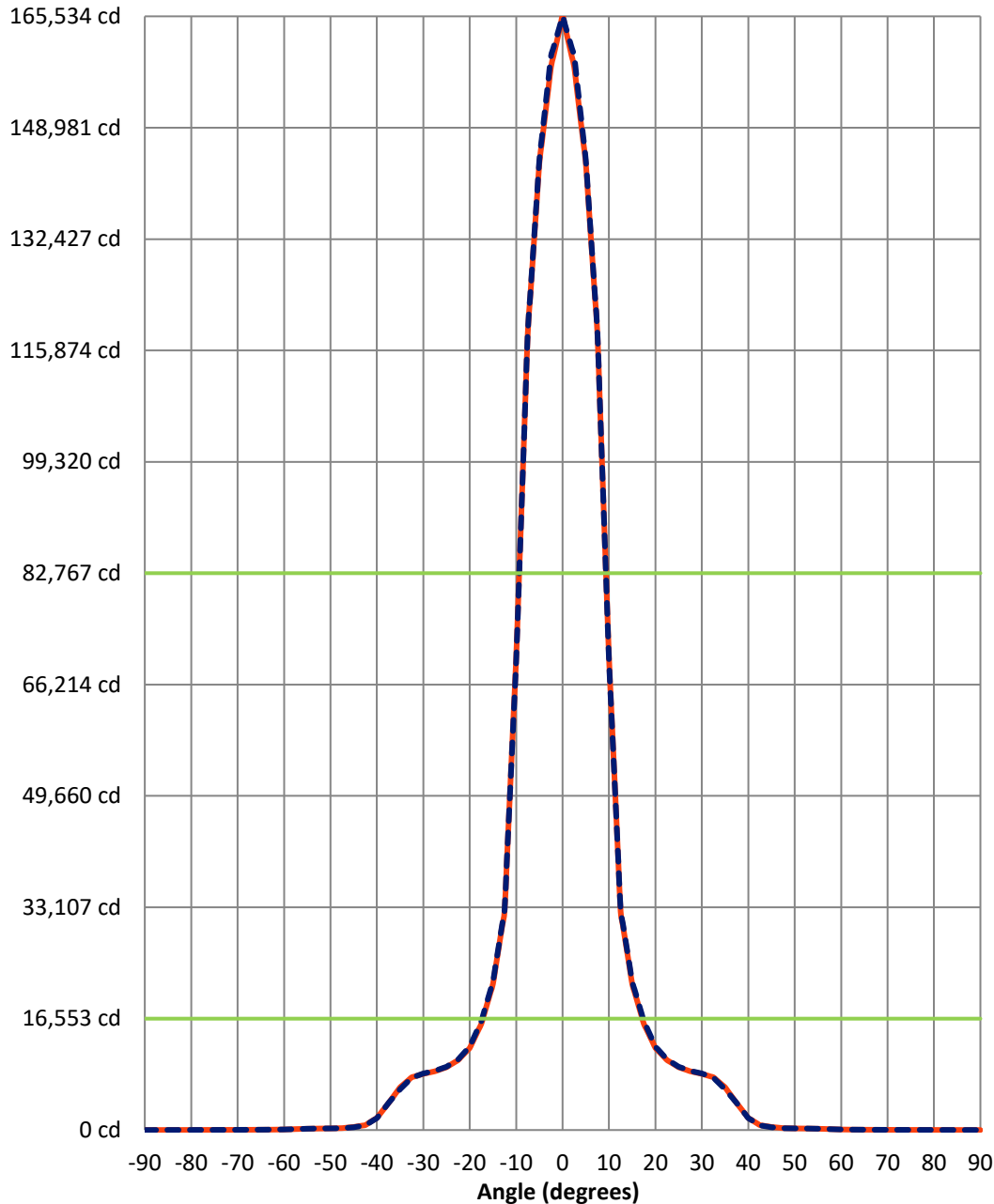
REPORT NUMBER: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_ALL-ON

Luminous Intensity Polar Plot



REPORT NUMBER: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_ALL-ON

Luminous Intensity Plot



Beam:
 H Angle: 18.7°
 V Angle: 18.7°
 Lumens: 10324.3
 Efficiency: 38.2%

Field:
 H Angle: 34.7°
 V Angle: 34.4°
 Lumens: 16963
 Efficiency: 62.8%

Spill:
 Lumens: 10053.7
 Efficiency: 37.2%

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



REPORT NUMBER: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.6	6.9
80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	6.7	7.1	7.5	7.9
77.5°	0.0	1.3	2.7	4.0	5.3	6.4	6.9	7.4	7.9	8.5	9.1
75°	0.0	1.6	3.2	4.8	6.3	6.9	7.5	8.2	8.8	9.7	10.6
72.5°	0.0	1.9	3.7	5.6	6.7	7.4	8.2	9.0	10.0	11.1	12.1
70°	0.0	2.1	4.2	6.3	7.1	7.9	8.8	10.0	11.2	12.4	13.2
67.5°	0.0	2.4	4.7	6.6	7.5	8.5	9.7	11.1	12.4	13.3	14.2
65°	0.0	2.6	5.2	6.9	7.9	9.1	10.6	12.1	13.2	14.2	15.3
62.5°	0.0	2.9	5.7	7.2	8.3	9.8	11.5	12.9	14.0	15.2	16.8
60°	0.0	3.1	6.2	7.4	8.7	10.5	12.3	13.5	14.7	16.4	18.2
57.5°	0.0	3.3	6.4	7.7	9.2	11.2	12.9	14.2	15.8	17.7	19.5
55°	0.0	3.6	6.6	8.0	9.8	11.9	13.4	14.8	16.8	18.9	20.9
52.5°	0.0	3.8	6.7	8.3	10.3	12.5	14.0	15.7	17.9	20.1	22.3
50°	0.0	4.0	6.9	8.5	10.8	12.9	14.5	16.6	18.9	21.2	23.9
47.5°	0.0	4.2	7.1	8.8	11.3	13.3	15.0	17.4	19.9	22.4	25.5
45°	0.0	4.4	7.2	9.1	11.7	13.7	15.7	18.3	20.9	23.8	27.1
42.5°	0.0	4.6	7.4	9.5	12.2	14.1	16.4	19.1	21.8	25.1	28.9
40°	0.0	4.7	7.5	9.8	12.5	14.4	17.0	19.8	22.8	26.4	30.7
37.5°	0.0	4.9	7.7	10.1	12.8	14.8	17.6	20.6	23.9	27.7	32.5
35°	0.0	5.1	7.8	10.4	13.1	15.2	18.2	21.3	24.9	29.2	34.1
32.5°	0.0	5.2	7.9	10.7	13.3	15.7	18.8	21.9	25.9	30.6	35.7
30°	0.0	5.4	8.0	10.9	13.5	16.1	19.3	22.6	26.8	31.9	37.1
27.5°	0.0	5.5	8.1	11.1	13.8	16.5	19.8	23.3	27.7	33.1	38.5
25°	0.0	5.6	8.2	11.4	14.0	16.8	20.2	24.0	28.7	34.2	39.8
22.5°	0.0	5.7	8.3	11.6	14.1	17.2	20.6	24.6	29.6	35.2	41.9
20°	0.0	5.8	8.4	11.7	14.3	17.5	21.0	25.2	30.4	36.2	43.7
17.5°	0.0	5.9	8.5	11.9	14.4	17.7	21.3	25.7	31.1	37.0	45.4
15°	0.0	6.0	8.5	12.0	14.6	18.0	21.6	26.1	31.7	37.7	46.8
12.5°	0.0	6.1	8.6	12.1	14.7	18.2	21.8	26.5	32.3	38.3	48.1
10°	0.0	6.1	8.6	12.2	14.7	18.3	22.0	26.8	32.7	38.8	49.0
7.5°	0.0	6.1	8.7	12.3	14.8	18.4	22.2	27.0	33.1	39.2	49.5
5°	0.0	6.2	8.7	12.4	14.9	18.5	22.3	27.2	33.3	39.5	49.8
2.5°	0.0	6.2	8.7	12.4	14.9	18.6	22.4	27.3	33.5	39.6	49.9
0°	0.0	6.2	8.7	12.4	14.9	18.6	22.4	27.3	33.5	39.7	49.7
-2.5°	0.0	6.2	8.7	12.4	14.9	18.6	22.4	27.3	33.5	39.6	49.9
-5°	0.0	6.2	8.7	12.4	14.9	18.5	22.3	27.2	33.3	39.5	49.8
-7.5°	0.0	6.1	8.7	12.3	14.8	18.4	22.2	27.0	33.1	39.2	49.5
-10°	0.0	6.1	8.6	12.2	14.7	18.3	22.0	26.8	32.7	38.8	49.0
-12.5°	0.0	6.1	8.6	12.1	14.7	18.2	21.8	26.5	32.3	38.3	48.1
-15°	0.0	6.0	8.5	12.0	14.6	18.0	21.6	26.1	31.7	37.7	46.8
-17.5°	0.0	5.9	8.5	11.9	14.4	17.7	21.3	25.7	31.1	37.0	45.4
-20°	0.0	5.8	8.4	11.7	14.3	17.5	21.0	25.2	30.4	36.2	43.7



REPORT NUMBER: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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	5.7	8.3	11.6	14.1	17.2	20.6	24.6	29.6	35.2	41.9
-25°	0.0	5.6	8.2	11.4	14.0	16.8	20.2	24.0	28.7	34.2	39.8
-27.5°	0.0	5.5	8.1	11.1	13.8	16.5	19.8	23.3	27.7	33.1	38.5
-30°	0.0	5.4	8.0	10.9	13.5	16.1	19.3	22.6	26.8	31.9	37.1
-32.5°	0.0	5.2	7.9	10.7	13.3	15.7	18.8	21.9	25.9	30.6	35.7
-35°	0.0	5.1	7.8	10.4	13.1	15.2	18.2	21.3	24.9	29.2	34.1
-37.5°	0.0	4.9	7.7	10.1	12.8	14.8	17.6	20.6	23.9	27.7	32.5
-40°	0.0	4.7	7.5	9.8	12.5	14.4	17.0	19.8	22.8	26.4	30.7
-42.5°	0.0	4.6	7.4	9.5	12.2	14.1	16.4	19.1	21.8	25.1	28.9
-45°	0.0	4.4	7.2	9.1	11.7	13.7	15.7	18.3	20.9	23.8	27.1
-47.5°	0.0	4.2	7.1	8.8	11.3	13.3	15.0	17.4	19.9	22.4	25.5
-50°	0.0	4.0	6.9	8.5	10.8	12.9	14.5	16.6	18.9	21.2	23.9
-52.5°	0.0	3.8	6.7	8.3	10.3	12.5	14.0	15.7	17.9	20.1	22.3
-55°	0.0	3.6	6.6	8.0	9.8	11.9	13.4	14.8	16.8	18.9	20.9
-57.5°	0.0	3.3	6.4	7.7	9.2	11.2	12.9	14.2	15.8	17.7	19.5
-60°	0.0	3.1	6.2	7.4	8.7	10.5	12.3	13.5	14.7	16.4	18.2
-62.5°	0.0	2.9	5.7	7.2	8.3	9.8	11.5	12.9	14.0	15.2	16.8
-65°	0.0	2.6	5.2	6.9	7.9	9.1	10.6	12.1	13.2	14.2	15.3
-67.5°	0.0	2.4	4.7	6.6	7.5	8.5	9.7	11.1	12.4	13.3	14.2
-70°	0.0	2.1	4.2	6.3	7.1	7.9	8.8	10.0	11.2	12.4	13.2
-72.5°	0.0	1.9	3.7	5.6	6.7	7.4	8.2	9.0	10.0	11.1	12.1
-75°	0.0	1.6	3.2	4.8	6.3	6.9	7.5	8.2	8.8	9.7	10.6
-77.5°	0.0	1.3	2.7	4.0	5.3	6.4	6.9	7.4	7.9	8.5	9.1
-80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	6.7	7.1	7.5	7.9
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.6	6.9
-85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-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: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
85°	5.7	6.2	6.4	6.6	6.7	6.9	7.1	7.2	7.4	7.5	7.7
82.5°	7.2	7.4	7.7	8.0	8.3	8.5	8.8	9.0	9.2	9.4	9.6
80°	8.3	8.7	9.1	9.4	9.8	10.1	10.4	10.8	11.1	11.4	11.8
77.5°	9.7	10.2	10.6	10.9	11.3	11.9	12.5	13.1	13.7	14.2	14.7
75°	11.3	11.8	12.3	12.8	13.5	14.3	15.0	15.7	16.4	17.0	17.6
72.5°	12.7	13.3	14.0	14.8	15.7	16.6	17.4	18.3	19.1	19.8	20.6
70°	13.9	14.7	15.8	16.8	17.9	18.9	19.9	20.9	21.8	22.7	23.7
67.5°	15.2	16.4	17.7	18.9	20.1	21.2	22.4	23.8	25.1	26.1	27.1
65°	16.8	18.2	19.5	20.9	22.3	23.9	25.5	27.1	28.6	30.0	31.4
62.5°	18.3	19.9	21.4	23.1	25.0	26.8	28.7	30.4	32.1	34.1	36.0
60°	19.9	21.6	23.5	25.7	27.8	29.8	31.8	34.0	36.3	38.6	42.4
57.5°	21.4	23.5	25.9	28.3	30.6	32.8	35.5	38.1	42.2	46.6	50.7
55°	23.1	25.7	28.4	31.1	33.7	36.4	39.8	44.9	49.8	54.5	59.0
52.5°	25.0	27.8	31.1	34.1	37.1	41.1	46.5	51.9	57.2	61.8	65.0
50°	26.8	30.4	33.9	37.2	41.4	47.3	53.0	58.8	63.4	67.1	70.9
47.5°	29.0	32.9	36.7	40.8	47.2	53.3	59.4	64.4	68.6	73.6	78.1
45°	31.2	35.2	39.3	45.9	52.6	58.9	64.6	69.5	75.4	81.6	90.3
42.5°	33.3	37.5	43.4	50.9	57.5	63.8	69.5	76.1	83.5	93.5	102.7
40°	35.3	39.8	47.8	55.2	62.1	68.5	75.6	83.5	94.8	105.3	115.0
37.5°	37.2	43.6	51.9	59.4	66.4	73.7	81.7	94.1	106.0	117.0	126.3
35°	39.0	47.2	55.6	63.4	70.8	79.4	91.1	104.6	117.5	127.3	138.4
32.5°	41.6	50.6	59.3	67.4	76.7	86.7	100.6	115.5	127.8	138.4	152.0
30°	44.5	53.8	62.8	71.3	83.3	97.6	111.3	126.0	137.5	152.4	225.5
27.5°	47.2	56.8	66.2	76.9	91.2	109.3	125.2	135.5	149.5	184.6	321.5
25°	49.7	59.6	69.4	83.4	102.0	122.2	139.2	148.8	162.6	264.9	488.1
22.5°	52.0	62.2	73.1	90.2	113.2	135.5	151.5	162.5	200.4	339.2	640.6
20°	54.1	65.0	78.8	100.6	125.8	149.2	163.8	174.2	263.3	488.3	996.4
17.5°	56.0	68.0	86.4	114.3	143.6	164.5	175.6	183.6	319.1	641.1	1452.3
15°	57.6	70.9	94.5	128.9	161.4	181.6	190.3	226.6	412.5	857.2	1868.6
12.5°	58.9	73.8	102.9	144.0	179.0	198.0	206.7	276.2	524.0	1175.7	2518.5
10°	60.1	76.5	111.3	159.4	196.2	213.8	223.2	318.6	603.2	1399.9	3026.9
7.5°	60.7	79.0	119.2	174.4	212.8	229.1	239.8	354.1	652.7	1568.1	3415.9
5°	61.0	81.3	125.3	183.1	221.8	239.1	254.3	382.7	676.5	1679.5	3693.7
2.5°	61.1	83.1	130.3	189.3	225.2	241.6	260.3	399.3	691.3	1752.6	3896.4
0°	60.9	84.5	134.1	193.7	227.3	243.4	265.8	409.8	693.0	1778.4	4016.4
-2.5°	61.1	83.1	130.3	189.3	225.2	241.6	260.3	399.3	691.3	1752.6	3896.4
-5°	61.0	81.3	125.3	183.1	221.8	239.1	254.3	382.7	676.5	1679.5	3693.7
-7.5°	60.7	79.0	119.2	174.4	212.8	229.1	239.8	354.1	652.7	1568.1	3415.9
-10°	60.1	76.5	111.3	159.4	196.2	213.8	223.2	318.6	603.2	1399.9	3026.9
-12.5°	58.9	73.8	102.9	144.0	179.0	198.0	206.7	276.2	524.0	1175.7	2518.5
-15°	57.6	70.9	94.5	128.9	161.4	181.6	190.3	226.6	412.5	857.2	1868.6
-17.5°	56.0	68.0	86.4	114.3	143.6	164.5	175.6	183.6	319.1	641.1	1452.3
-20°	54.1	65.0	78.8	100.6	125.8	149.2	163.8	174.2	263.3	488.3	996.4



REPORT NUMBER: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_ALL-ON

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	52.0	62.2	73.1	90.2	113.2	135.5	151.5	162.5	200.4	339.2	640.6
-25°	49.7	59.6	69.4	83.4	102.0	122.2	139.2	148.8	162.6	264.9	488.1
-27.5°	47.2	56.8	66.2	76.9	91.2	109.3	125.2	135.5	149.5	184.6	321.5
-30°	44.5	53.8	62.8	71.3	83.3	97.6	111.3	126.0	137.5	152.4	225.5
-32.5°	41.6	50.6	59.3	67.4	76.7	86.7	100.6	115.5	127.8	138.4	152.0
-35°	39.0	47.2	55.6	63.4	70.8	79.4	91.1	104.6	117.5	127.3	138.4
-37.5°	37.2	43.6	51.9	59.4	66.4	73.7	81.7	94.1	106.0	117.0	126.3
-40°	35.3	39.8	47.8	55.2	62.1	68.5	75.6	83.5	94.8	105.3	115.0
-42.5°	33.3	37.5	43.4	50.9	57.5	63.8	69.5	76.1	83.5	93.5	102.7
-45°	31.2	35.2	39.3	45.9	52.6	58.9	64.6	69.5	75.4	81.6	90.3
-47.5°	29.0	32.9	36.7	40.8	47.2	53.3	59.4	64.4	68.6	73.6	78.1
-50°	26.8	30.4	33.9	37.2	41.4	47.3	53.0	58.8	63.4	67.1	70.9
-52.5°	25.0	27.8	31.1	34.1	37.1	41.1	46.5	51.9	57.2	61.8	65.0
-55°	23.1	25.7	28.4	31.1	33.7	36.4	39.8	44.9	49.8	54.5	59.0
-57.5°	21.4	23.5	25.9	28.3	30.6	32.8	35.5	38.1	42.2	46.6	50.7
-60°	19.9	21.6	23.5	25.7	27.8	29.8	31.8	34.0	36.3	38.6	42.4
-62.5°	18.3	19.9	21.4	23.1	25.0	26.8	28.7	30.4	32.1	34.1	36.0
-65°	16.8	18.2	19.5	20.9	22.3	23.9	25.5	27.1	28.6	30.0	31.4
-67.5°	15.2	16.4	17.7	18.9	20.1	21.2	22.4	23.8	25.1	26.1	27.1
-70°	13.9	14.7	15.8	16.8	17.9	18.9	19.9	20.9	21.8	22.7	23.7
-72.5°	12.7	13.3	14.0	14.8	15.7	16.6	17.4	18.3	19.1	19.8	20.6
-75°	11.3	11.8	12.3	12.8	13.5	14.3	15.0	15.7	16.4	17.0	17.6
-77.5°	9.7	10.2	10.6	10.9	11.3	11.9	12.5	13.1	13.7	14.2	14.7
-80°	8.3	8.7	9.1	9.4	9.8	10.1	10.4	10.8	11.1	11.4	11.8
-82.5°	7.2	7.4	7.7	8.0	8.3	8.5	8.8	9.0	9.2	9.4	9.6
-85°	5.7	6.2	6.4	6.6	6.7	6.9	7.1	7.2	7.4	7.5	7.7
-87.5°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
-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: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
85°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.6
82.5°	9.8	10.0	10.2	10.3	10.5	10.6	10.7	10.9	10.9	11.0	11.1
80°	12.2	12.6	12.9	13.2	13.5	13.8	14.0	14.2	14.4	14.5	14.7
77.5°	15.2	15.7	16.1	16.5	16.8	17.2	17.5	17.7	18.0	18.2	18.3
75°	18.2	18.8	19.3	19.8	20.2	20.6	21.0	21.3	21.6	21.8	22.0
72.5°	21.3	21.9	22.6	23.2	24.0	24.6	25.2	25.7	26.1	26.5	26.8
70°	24.4	25.1	26.1	27.2	28.3	29.1	29.8	30.4	30.9	31.3	31.7
67.5°	28.2	29.4	30.8	32.0	33.0	34.0	35.0	35.8	36.5	37.1	37.6
65°	32.9	34.5	35.9	37.3	38.6	40.7	42.5	44.2	45.6	46.9	47.9
62.5°	37.8	40.4	43.3	46.0	48.5	50.7	52.6	54.5	56.2	57.7	58.9
60°	46.0	49.4	52.6	55.4	57.7	59.7	62.0	64.4	66.6	68.8	71.5
57.5°	54.7	58.4	61.6	63.9	66.3	68.6	71.6	75.6	80.3	85.8	97.2
55°	62.6	65.6	68.7	71.9	75.1	78.3	82.8	91.2	100.5	110.2	130.2
52.5°	68.5	72.6	76.6	81.0	87.1	93.1	99.4	111.5	124.0	136.8	158.6
50°	75.6	81.2	88.5	95.4	102.6	109.9	117.4	130.5	143.9	157.0	176.9
47.5°	86.1	94.3	102.1	109.5	117.7	125.6	133.0	144.4	157.9	170.2	190.3
45°	98.4	107.2	115.6	123.4	131.6	141.1	148.8	157.1	207.9	264.3	320.0
42.5°	111.1	119.8	128.7	139.6	149.9	187.0	248.8	297.2	403.1	526.2	633.9
40°	123.6	133.1	147.1	182.3	272.3	351.2	505.5	619.2	809.7	1136.4	1422.6
37.5°	137.3	152.2	243.2	355.4	561.0	740.3	1068.1	1427.3	1774.3	2470.5	3077.4
35°	153.5	267.8	451.0	766.4	1106.9	1580.5	2159.1	2993.1	3706.0	4495.4	5168.9
32.5°	255.2	452.0	852.4	1456.1	2032.6	3029.0	4027.5	4909.3	5727.3	6426.9	6939.2
30°	385.6	759.2	1450.5	2352.2	3611.0	4731.5	5773.3	6603.6	7279.1	7810.5	7996.3
27.5°	626.2	1246.8	2200.2	3706.9	5104.1	6283.1	7104.5	7788.3	8080.1	8335.5	8464.7
25°	949.8	1845.5	3404.1	4966.6	6372.8	7357.4	7933.5	8265.6	8503.9	8683.4	8865.5
22.5°	1474.8	2868.8	4547.9	6155.6	7336.7	7986.4	8347.5	8604.0	8886.7	9176.3	9486.3
20°	2079.1	3860.1	5661.2	7064.3	7946.4	8355.5	8637.9	8982.8	9404.3	9933.8	10517.2
17.5°	2952.6	4822.5	6569.6	7808.6	8287.1	8602.6	8987.4	9493.6	10198.3	11134.3	12201.5
15°	3761.1	5752.3	7283.2	8095.0	8501.8	8882.7	9410.5	10184.0	11349.5	12902.5	15120.1
12.5°	4502.3	6450.6	7814.3	8350.0	8686.2	9186.4	9942.9	11149.8	12939.7	15679.3	19190.2
10°	5119.3	6933.3	8013.7	8496.4	8900.6	9529.3	10536.2	12221.6	15076.0	19333.9	24611.9
7.5°	5592.1	7296.2	8167.8	8611.4	9100.8	9865.6	11204.0	13508.2	17626.7	23210.9	33081.7
5°	5942.6	7553.3	8277.4	8692.5	9261.9	10158.0	11791.0	14775.7	19841.5	27387.9	47980.0
2.5°	6112.8	7706.4	8349.7	8758.2	9353.4	10400.9	12240.5	15707.2	21408.3	31535.5	63045.1
0°	6061.8	7765.8	8402.9	8792.2	9410.1	10496.8	12409.3	16198.4	22061.6	32738.5	69682.0
-2.5°	6112.8	7706.4	8349.7	8758.2	9353.4	10400.9	12240.5	15707.2	21408.3	31535.5	63045.1
-5°	5942.6	7553.3	8277.4	8692.5	9261.9	10158.0	11791.0	14775.7	19841.5	27387.9	47980.0
-7.5°	5592.1	7296.2	8167.8	8611.4	9100.8	9865.6	11204.0	13508.2	17626.7	23210.9	33081.7
-10°	5119.3	6933.3	8013.7	8496.4	8900.6	9529.3	10536.2	12221.6	15076.0	19333.9	24611.9
-12.5°	4502.3	6450.6	7814.3	8350.0	8686.2	9186.4	9942.9	11149.8	12939.7	15679.3	19190.2
-15°	3761.1	5752.3	7283.2	8095.0	8501.8	8882.7	9410.5	10184.0	11349.5	12902.5	15120.1
-17.5°	2952.6	4822.5	6569.6	7808.6	8287.1	8602.6	8987.4	9493.6	10198.3	11134.3	12201.5
-20°	2079.1	3860.1	5661.2	7064.3	7946.4	8355.5	8637.9	8982.8	9404.3	9933.8	10517.2



REPORT NUMBER: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_ALL-ON

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1474.8	2868.8	4547.9	6155.6	7336.7	7986.4	8347.5	8604.0	8886.7	9176.3	9486.3
-25°	949.8	1845.5	3404.1	4966.6	6372.8	7357.4	7933.5	8265.6	8503.9	8683.4	8865.5
-27.5°	626.2	1246.8	2200.2	3706.9	5104.1	6283.1	7104.5	7788.3	8080.1	8335.5	8464.7
-30°	385.6	759.2	1450.5	2352.2	3611.0	4731.5	5773.3	6603.6	7279.1	7810.5	7996.3
-32.5°	255.2	452.0	852.4	1456.1	2032.6	3029.0	4027.5	4909.3	5727.3	6426.9	6939.2
-35°	153.5	267.8	451.0	766.4	1106.9	1580.5	2159.1	2993.1	3706.0	4495.4	5168.9
-37.5°	137.3	152.2	243.2	355.4	561.0	740.3	1068.1	1427.3	1774.3	2470.5	3077.4
-40°	123.6	133.1	147.1	182.3	272.3	351.2	505.5	619.2	809.7	1136.4	1422.6
-42.5°	111.1	119.8	128.7	139.6	149.9	187.0	248.8	297.2	403.1	526.2	633.9
-45°	98.4	107.2	115.6	123.4	131.6	141.1	148.8	157.1	207.9	264.3	320.0
-47.5°	86.1	94.3	102.1	109.5	117.7	125.6	133.0	144.4	157.9	170.2	190.3
-50°	75.6	81.2	88.5	95.4	102.6	109.9	117.4	130.5	143.9	157.0	176.9
-52.5°	68.5	72.6	76.6	81.0	87.1	93.1	99.4	111.5	124.0	136.8	158.6
-55°	62.6	65.6	68.7	71.9	75.1	78.3	82.8	91.2	100.5	110.2	130.2
-57.5°	54.7	58.4	61.6	63.9	66.3	68.6	71.6	75.6	80.3	85.8	97.2
-60°	46.0	49.4	52.6	55.4	57.7	59.7	62.0	64.4	66.6	68.8	71.5
-62.5°	37.8	40.4	43.3	46.0	48.5	50.7	52.6	54.5	56.2	57.7	58.9
-65°	32.9	34.5	35.9	37.3	38.6	40.7	42.5	44.2	45.6	46.9	47.9
-67.5°	28.2	29.4	30.8	32.0	33.0	34.0	35.0	35.8	36.5	37.1	37.6
-70°	24.4	25.1	26.1	27.2	28.3	29.1	29.8	30.4	30.9	31.3	31.7
-72.5°	21.3	21.9	22.6	23.2	24.0	24.6	25.2	25.7	26.1	26.5	26.8
-75°	18.2	18.8	19.3	19.8	20.2	20.6	21.0	21.3	21.6	21.8	22.0
-77.5°	15.2	15.7	16.1	16.5	16.8	17.2	17.5	17.7	18.0	18.2	18.3
-80°	12.2	12.6	12.9	13.2	13.5	13.8	14.0	14.2	14.4	14.5	14.7
-82.5°	9.8	10.0	10.2	10.3	10.5	10.6	10.7	10.9	10.9	11.0	11.1
-85°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.6
-87.5°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
-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: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5
82.5°	11.1	11.2	11.2	11.2	11.2	11.2	11.1	11.1	11.0	10.9	10.9
80°	14.8	14.8	14.9	14.9	14.9	14.8	14.8	14.7	14.5	14.4	14.2
77.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.3	18.2	18.0	17.7
75°	22.2	22.3	22.4	22.4	22.4	22.3	22.2	22.0	21.8	21.6	21.3
72.5°	27.0	27.2	26.7	26.1	26.7	27.2	27.0	26.8	26.5	26.1	25.7
70°	31.9	32.1	32.3	32.3	32.3	32.1	31.9	31.7	31.3	30.9	30.4
67.5°	38.0	38.3	38.4	38.5	38.4	38.3	38.0	37.6	37.1	36.5	35.8
65°	48.7	49.2	49.0	48.4	49.0	49.2	48.7	47.9	46.9	45.6	44.2
62.5°	59.8	60.4	60.2	59.6	60.2	60.4	59.8	58.9	57.7	56.2	54.5
60°	74.2	76.9	78.5	79.5	78.5	76.9	74.2	71.5	68.8	66.6	64.4
57.5°	109.9	123.1	134.0	142.8	134.0	123.1	109.9	97.2	85.8	80.3	75.6
55°	151.5	172.8	185.2	191.3	185.2	172.8	151.5	130.2	110.2	100.5	91.2
52.5°	182.3	205.4	217.8	222.3	217.8	205.4	182.3	158.6	136.8	124.0	111.5
50°	200.4	223.4	237.0	242.2	237.0	223.4	200.4	176.9	157.0	143.9	130.5
47.5°	221.6	254.3	276.4	285.6	276.4	254.3	221.6	190.3	170.2	157.9	144.4
45°	368.7	405.8	434.2	457.0	434.2	405.8	368.7	320.0	264.3	207.9	157.1
42.5°	686.1	711.0	721.2	729.0	721.2	711.0	686.1	633.9	526.2	403.1	297.2
40°	1615.1	1754.2	1826.6	1805.8	1826.6	1754.2	1615.1	1422.6	1136.4	809.7	619.2
37.5°	3496.4	3744.7	3884.9	3994.0	3884.9	3744.7	3496.4	3077.4	2470.5	1774.3	1427.3
35°	5654.9	5960.4	6160.5	6347.5	6160.5	5960.4	5654.9	5168.9	4495.4	3706.0	2993.1
32.5°	7315.6	7575.9	7748.0	7836.6	7748.0	7575.9	7315.6	6939.2	6426.9	5727.3	4909.3
30°	8139.4	8251.5	8321.5	8349.5	8321.5	8251.5	8139.4	7996.3	7810.5	7279.1	6603.6
27.5°	8563.2	8645.9	8706.2	8733.3	8706.2	8645.9	8563.2	8464.7	8335.5	8080.1	7788.3
25°	9040.3	9193.2	9284.4	9338.0	9284.4	9193.2	9040.3	8865.5	8683.4	8503.9	8265.6
22.5°	9800.9	10058.6	10281.4	10394.9	10281.4	10058.6	9800.9	9486.3	9176.3	8886.7	8604.0
20°	11147.7	11731.7	12123.7	12198.2	12123.7	11731.7	11147.7	10517.2	9933.8	9404.3	8982.8
17.5°	13392.7	14583.1	15599.9	15791.8	15599.9	14583.1	13392.7	12201.5	11134.3	10198.3	9493.6
15°	17402.0	19559.4	21081.2	21712.6	21081.2	19559.4	17402.0	15120.1	12902.5	11349.5	10184.0
12.5°	23078.3	27506.9	31052.9	32518.0	31052.9	27506.9	23078.3	19190.2	15679.3	12939.7	11149.8
10°	33160.5	46865.5	61718.7	70144.0	61718.7	46865.5	33160.5	24611.9	19333.9	15076.0	12221.6
7.5°	56962.6	90390.2	113728.8	118458.7	113728.8	90390.2	56962.6	33081.7	23210.9	17626.7	13508.2
5°	89313.8	125224.1	138733.9	143733.1	138733.9	125224.1	89313.8	47980.0	27387.9	19841.5	14775.7
2.5°	113245.0	139577.1	153133.5	158022.8	153133.5	139577.1	113245.0	63045.1	31535.5	21408.3	15707.2
0°	118654.9	144213.8	159613.0	165533.9	159613.0	144213.8	118654.9	69682.0	32738.5	22061.6	16198.4
-2.5°	113245.0	139577.1	153133.5	158022.8	153133.5	139577.1	113245.0	63045.1	31535.5	21408.3	15707.2
-5°	89313.8	125224.1	138733.9	143733.1	138733.9	125224.1	89313.8	47980.0	27387.9	19841.5	14775.7
-7.5°	56962.6	90390.2	113728.8	118458.7	113728.8	90390.2	56962.6	33081.7	23210.9	17626.7	13508.2
-10°	33160.5	46865.5	61718.7	70144.0	61718.7	46865.5	33160.5	24611.9	19333.9	15076.0	12221.6
-12.5°	23078.3	27506.9	31052.9	32518.0	31052.9	27506.9	23078.3	19190.2	15679.3	12939.7	11149.8
-15°	17402.0	19559.4	21081.2	21712.6	21081.2	19559.4	17402.0	15120.1	12902.5	11349.5	10184.0
-17.5°	13392.7	14583.1	15599.9	15791.8	15599.9	14583.1	13392.7	12201.5	11134.3	10198.3	9493.6
-20°	11147.7	11731.7	12123.7	12198.2	12123.7	11731.7	11147.7	10517.2	9933.8	9404.3	8982.8



REPORT NUMBER: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_ALL-ON

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9800.9	10058.6	10281.4	10394.9	10281.4	10058.6	9800.9	9486.3	9176.3	8886.7	8604.0
-25°	9040.3	9193.2	9284.4	9338.0	9284.4	9193.2	9040.3	8865.5	8683.4	8503.9	8265.6
-27.5°	8563.2	8645.9	8706.2	8733.2	8706.2	8645.9	8563.2	8464.7	8335.5	8080.1	7788.3
-30°	8139.4	8251.5	8321.5	8349.5	8321.5	8251.5	8139.4	7996.3	7810.5	7279.1	6603.6
-32.5°	7315.6	7575.9	7748.0	7836.6	7748.0	7575.9	7315.6	6939.2	6426.9	5727.3	4909.3
-35°	5654.9	5960.4	6160.5	6347.5	6160.5	5960.4	5654.9	5168.9	4495.4	3706.0	2993.1
-37.5°	3496.4	3744.7	3884.9	3994.0	3884.9	3744.7	3496.4	3077.4	2470.5	1774.3	1427.3
-40°	1615.1	1754.2	1826.6	1805.8	1826.6	1754.2	1615.1	1422.6	1136.4	809.7	619.2
-42.5°	686.1	711.0	721.2	729.0	721.2	711.0	686.1	633.9	526.2	403.1	297.2
-45°	368.7	405.8	434.2	457.0	434.2	405.8	368.7	320.0	264.3	207.9	157.1
-47.5°	221.6	254.3	276.4	285.6	276.4	254.3	221.6	190.3	170.2	157.9	144.4
-50°	200.4	223.4	237.0	242.2	237.0	223.4	200.4	176.9	157.0	143.9	130.5
-52.5°	182.3	205.4	217.8	222.3	217.8	205.4	182.3	158.6	136.8	124.0	111.5
-55°	151.5	172.8	185.2	191.3	185.2	172.8	151.5	130.2	110.2	100.5	91.2
-57.5°	109.9	123.1	134.0	142.8	134.0	123.1	109.9	97.2	85.8	80.3	75.6
-60°	74.2	76.9	78.5	79.5	78.5	76.9	74.2	71.5	68.8	66.6	64.4
-62.5°	59.8	60.4	60.2	59.6	60.2	60.4	59.8	58.9	57.7	56.2	54.5
-65°	48.7	49.2	49.0	48.4	49.0	49.2	48.7	47.9	46.9	45.6	44.2
-67.5°	38.0	38.3	38.4	38.5	38.4	38.3	38.0	37.6	37.1	36.5	35.8
-70°	31.9	32.1	32.3	32.3	32.3	32.1	31.9	31.7	31.3	30.9	30.4
-72.5°	27.0	27.2	26.7	26.1	26.7	27.2	27.0	26.8	26.5	26.1	25.7
-75°	22.2	22.3	22.4	22.4	22.4	22.3	22.2	22.0	21.8	21.6	21.3
-77.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.3	18.2	18.0	17.7
-80°	14.8	14.8	14.9	14.9	14.9	14.8	14.8	14.7	14.5	14.4	14.2
-82.5°	11.1	11.2	11.2	11.2	11.2	11.2	11.1	11.1	11.0	10.9	10.9
-85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5
-87.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	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: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_ALL-ON

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
85°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.5	7.4	7.2
82.5°	10.7	10.6	10.5	10.3	10.2	10.0	9.8	9.6	9.4	9.2	9.0
80°	14.0	13.8	13.5	13.2	12.9	12.6	12.2	11.8	11.4	11.1	10.8
77.5°	17.5	17.2	16.8	16.5	16.1	15.7	15.2	14.7	14.2	13.7	13.1
75°	21.0	20.6	20.2	19.8	19.3	18.8	18.2	17.6	17.0	16.4	15.7
72.5°	25.2	24.6	24.0	23.2	22.6	21.9	21.3	20.6	19.8	19.1	18.3
70°	29.8	29.1	28.3	27.2	26.1	25.1	24.4	23.7	22.7	21.8	20.9
67.5°	35.0	34.0	33.0	32.0	30.8	29.4	28.2	27.1	26.1	25.1	23.8
65°	42.5	40.7	38.6	37.3	35.9	34.5	32.9	31.4	30.0	28.6	27.1
62.5°	52.6	50.7	48.5	46.0	43.3	40.4	37.8	36.0	34.1	32.1	30.4
60°	62.0	59.7	57.7	55.4	52.6	49.4	46.0	42.4	38.6	36.3	34.0
57.5°	71.6	68.6	66.3	63.9	61.6	58.4	54.7	50.7	46.6	42.2	38.1
55°	82.8	78.3	75.1	71.9	68.7	65.6	62.6	59.0	54.5	49.8	44.9
52.5°	99.4	93.1	87.1	81.0	76.6	72.6	68.5	65.0	61.8	57.2	51.9
50°	117.4	109.9	102.6	95.4	88.5	81.2	75.6	70.9	67.1	63.4	58.8
47.5°	133.0	125.6	117.7	109.5	102.1	94.3	86.1	78.1	73.6	68.6	64.4
45°	148.8	141.1	131.6	123.4	115.6	107.2	98.4	90.3	81.6	75.4	69.5
42.5°	248.8	187.0	149.9	139.6	128.7	119.8	111.1	102.7	93.5	83.5	76.1
40°	505.5	351.2	272.3	182.3	147.1	133.1	123.6	115.0	105.3	94.8	83.5
37.5°	1068.1	740.3	561.0	355.4	243.2	152.2	137.3	126.3	117.0	106.0	94.1
35°	2159.1	1580.5	1106.9	766.4	451.0	267.8	153.5	138.4	127.3	117.5	104.6
32.5°	4027.5	3029.0	2032.6	1456.1	852.4	452.0	255.2	152.0	138.4	127.8	115.5
30°	5773.3	4731.5	3611.0	2352.2	1450.5	759.2	385.6	225.5	152.4	137.5	126.0
27.5°	7104.5	6283.1	5104.1	3706.9	2200.2	1246.8	626.2	321.5	184.6	149.5	135.5
25°	7933.5	7357.4	6372.8	4966.6	3404.1	1845.5	949.8	488.1	264.9	162.6	148.8
22.5°	8347.5	7986.4	7336.7	6155.6	4547.9	2868.8	1474.8	640.6	339.2	200.4	162.5
20°	8637.9	8355.5	7946.4	7064.3	5661.2	3860.1	2079.1	996.4	488.3	263.3	174.2
17.5°	8987.4	8602.6	8287.1	7808.6	6569.6	4822.5	2952.6	1452.3	641.1	319.1	183.6
15°	9410.5	8882.7	8501.8	8095.0	7283.2	5752.3	3761.1	1868.6	857.2	412.5	226.6
12.5°	9942.9	9186.4	8686.2	8350.0	7814.3	6450.6	4502.3	2518.5	1175.7	524.0	276.2
10°	10536.2	9529.3	8900.6	8496.4	8013.7	6933.3	5119.3	3026.9	1399.9	603.2	318.6
7.5°	11204.0	9865.6	9100.8	8611.4	8167.8	7296.2	5592.1	3415.9	1568.1	652.7	354.1
5°	11791.0	10158.0	9261.9	8692.5	8277.4	7553.3	5942.6	3693.7	1679.5	676.5	382.7
2.5°	12240.5	10400.9	9353.4	8758.2	8349.7	7706.4	6112.8	3896.4	1752.6	691.3	399.3
0°	12409.3	10496.8	9410.1	8792.2	8402.9	7765.8	6061.8	4016.4	1778.4	693.0	409.8
-2.5°	12240.5	10400.9	9353.4	8758.2	8349.7	7706.4	6112.8	3896.4	1752.6	691.3	399.3
-5°	11791.0	10158.0	9261.9	8692.5	8277.4	7553.3	5942.6	3693.7	1679.5	676.5	382.7
-7.5°	11204.0	9865.6	9100.8	8611.4	8167.8	7296.2	5592.1	3415.9	1568.1	652.7	354.1
-10°	10536.2	9529.3	8900.6	8496.4	8013.7	6933.3	5119.3	3026.9	1399.9	603.2	318.6
-12.5°	9942.9	9186.4	8686.2	8350.0	7814.3	6450.6	4502.3	2518.5	1175.7	524.0	276.2
-15°	9410.5	8882.7	8501.8	8095.0	7283.2	5752.3	3761.1	1868.6	857.2	412.5	226.6
-17.5°	8987.4	8602.6	8287.1	7808.6	6569.6	4822.5	2952.6	1452.3	641.1	319.1	183.6
-20°	8637.9	8355.5	7946.4	7064.3	5661.2	3860.1	2079.1	996.4	488.3	263.3	174.2



REPORT NUMBER: P722776 (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°	8347.5	7986.4	7336.7	6155.6	4547.9	2868.8	1474.8	640.6	339.2	200.4	162.5
-25°	7933.5	7357.4	6372.8	4966.6	3404.1	1845.5	949.8	488.1	264.9	162.6	148.8
-27.5°	7104.5	6283.1	5104.1	3706.9	2200.2	1246.8	626.2	321.5	184.6	149.5	135.5
-30°	5773.3	4731.5	3611.0	2352.2	1450.5	759.2	385.6	225.5	152.4	137.5	126.0
-32.5°	4027.5	3029.0	2032.6	1456.1	852.4	452.0	255.2	152.0	138.4	127.8	115.5
-35°	2159.1	1580.5	1106.9	766.4	451.0	267.8	153.5	138.4	127.3	117.5	104.6
-37.5°	1068.1	740.3	561.0	355.4	243.2	152.2	137.3	126.3	117.0	106.0	94.1
-40°	505.5	351.2	272.3	182.3	147.1	133.1	123.6	115.0	105.3	94.8	83.5
-42.5°	248.8	187.0	149.9	139.6	128.7	119.8	111.1	102.7	93.5	83.5	76.1
-45°	148.8	141.1	131.6	123.4	115.6	107.2	98.4	90.3	81.6	75.4	69.5
-47.5°	133.0	125.6	117.7	109.5	102.1	94.3	86.1	78.1	73.6	68.6	64.4
-50°	117.4	109.9	102.6	95.4	88.5	81.2	75.6	70.9	67.1	63.4	58.8
-52.5°	99.4	93.1	87.1	81.0	76.6	72.6	68.5	65.0	61.8	57.2	51.9
-55°	82.8	78.3	75.1	71.9	68.7	65.6	62.6	59.0	54.5	49.8	44.9
-57.5°	71.6	68.6	66.3	63.9	61.6	58.4	54.7	50.7	46.6	42.2	38.1
-60°	62.0	59.7	57.7	55.4	52.6	49.4	46.0	42.4	38.6	36.3	34.0
-62.5°	52.6	50.7	48.5	46.0	43.3	40.4	37.8	36.0	34.1	32.1	30.4
-65°	42.5	40.7	38.6	37.3	35.9	34.5	32.9	31.4	30.0	28.6	27.1
-67.5°	35.0	34.0	33.0	32.0	30.8	29.4	28.2	27.1	26.1	25.1	23.8
-70°	29.8	29.1	28.3	27.2	26.1	25.1	24.4	23.7	22.7	21.8	20.9
-72.5°	25.2	24.6	24.0	23.2	22.6	21.9	21.3	20.6	19.8	19.1	18.3
-75°	21.0	20.6	20.2	19.8	19.3	18.8	18.2	17.6	17.0	16.4	15.7
-77.5°	17.5	17.2	16.8	16.5	16.1	15.7	15.2	14.7	14.2	13.7	13.1
-80°	14.0	13.8	13.5	13.2	12.9	12.6	12.2	11.8	11.4	11.1	10.8
-82.5°	10.7	10.6	10.5	10.3	10.2	10.0	9.8	9.6	9.4	9.2	9.0
-85°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.5	7.4	7.2
-87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
-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: P722776 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-2R_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°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
85°	7.1	6.9	6.7	6.6	6.4	6.2	5.7	5.2	4.7	4.2	3.7
82.5°	8.8	8.5	8.3	8.0	7.7	7.4	7.2	6.9	6.6	6.3	5.6
80°	10.4	10.1	9.8	9.4	9.1	8.7	8.3	7.9	7.5	7.1	6.7
77.5°	12.5	11.9	11.3	10.9	10.6	10.2	9.7	9.1	8.5	7.9	7.4
75°	15.0	14.3	13.5	12.8	12.3	11.8	11.3	10.6	9.7	8.8	8.2
72.5°	17.4	16.6	15.7	14.8	14.0	13.3	12.7	12.1	11.1	10.0	9.0
70°	19.9	18.9	17.9	16.8	15.8	14.7	13.9	13.2	12.4	11.2	10.0
67.5°	22.4	21.2	20.1	18.9	17.7	16.4	15.2	14.2	13.3	12.4	11.1
65°	25.5	23.9	22.3	20.9	19.5	18.2	16.8	15.3	14.2	13.2	12.1
62.5°	28.7	26.8	25.0	23.1	21.4	19.9	18.3	16.8	15.2	14.0	12.9
60°	31.8	29.8	27.8	25.7	23.5	21.6	19.9	18.2	16.4	14.7	13.5
57.5°	35.5	32.8	30.6	28.3	25.9	23.5	21.4	19.5	17.7	15.8	14.2
55°	39.8	36.4	33.7	31.1	28.4	25.7	23.1	20.9	18.9	16.8	14.8
52.5°	46.5	41.1	37.1	34.1	31.1	27.8	25.0	22.3	20.1	17.9	15.7
50°	53.0	47.3	41.4	37.2	33.9	30.4	26.8	23.9	21.2	18.9	16.6
47.5°	59.4	53.3	47.2	40.8	36.7	32.9	29.0	25.5	22.4	19.9	17.4
45°	64.6	58.9	52.6	45.9	39.3	35.2	31.2	27.1	23.8	20.9	18.3
42.5°	69.5	63.8	57.5	50.9	43.4	37.5	33.3	28.9	25.1	21.8	19.1
40°	75.6	68.5	62.1	55.2	47.8	39.8	35.3	30.7	26.4	22.8	19.8
37.5°	81.7	73.7	66.4	59.4	51.9	43.6	37.2	32.5	27.7	23.9	20.6
35°	91.1	79.4	70.8	63.4	55.6	47.2	39.0	34.1	29.2	24.9	21.3
32.5°	100.6	86.7	76.7	67.4	59.3	50.6	41.6	35.7	30.6	25.9	21.9
30°	111.3	97.6	83.3	71.3	62.8	53.8	44.5	37.1	31.9	26.8	22.6
27.5°	125.2	109.3	91.2	76.9	66.2	56.8	47.2	38.5	33.1	27.7	23.3
25°	139.2	122.2	102.0	83.4	69.4	59.6	49.7	39.8	34.2	28.7	24.0
22.5°	151.5	135.5	113.2	90.2	73.1	62.2	52.0	41.9	35.2	29.6	24.6
20°	163.8	149.2	125.8	100.6	78.8	65.0	54.1	43.7	36.2	30.4	25.2
17.5°	175.6	164.5	143.6	114.3	86.4	68.0	56.0	45.4	37.0	31.1	25.7
15°	190.3	181.6	161.4	128.9	94.5	70.9	57.6	46.8	37.7	31.7	26.1
12.5°	206.7	198.0	179.0	144.0	102.9	73.8	58.9	48.1	38.3	32.3	26.5
10°	223.2	213.8	196.2	159.4	111.3	76.5	60.1	49.0	38.8	32.7	26.8
7.5°	239.8	229.1	212.8	174.4	119.2	79.0	60.7	49.5	39.2	33.1	27.0
5°	254.3	239.1	221.8	183.1	125.3	81.3	61.0	49.8	39.5	33.3	27.2
2.5°	260.3	241.6	225.2	189.3	130.3	83.1	61.1	49.9	39.6	33.5	27.3
0°	265.8	243.4	227.3	193.7	134.1	84.5	60.9	49.7	39.7	33.5	27.3
-2.5°	260.3	241.6	225.2	189.3	130.3	83.1	61.1	49.9	39.6	33.5	27.3
-5°	254.3	239.1	221.8	183.1	125.3	81.3	61.0	49.8	39.5	33.3	27.2
-7.5°	239.8	229.1	212.8	174.4	119.2	79.0	60.7	49.5	39.2	33.1	27.0
-10°	223.2	213.8	196.2	159.4	111.3	76.5	60.1	49.0	38.8	32.7	26.8
-12.5°	206.7	198.0	179.0	144.0	102.9	73.8	58.9	48.1	38.3	32.3	26.5
-15°	190.3	181.6	161.4	128.9	94.5	70.9	57.6	46.8	37.7	31.7	26.1
-17.5°	175.6	164.5	143.6	114.3	86.4	68.0	56.0	45.4	37.0	31.1	25.7
-20°	163.8	149.2	125.8	100.6	78.8	65.0	54.1	43.7	36.2	30.4	25.2



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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°	151.5	135.5	113.2	90.2	73.1	62.2	52.0	41.9	35.2	29.6	24.6
-25°	139.2	122.2	102.0	83.4	69.4	59.6	49.7	39.8	34.2	28.7	24.0
-27.5°	125.2	109.3	91.2	76.9	66.2	56.8	47.2	38.5	33.1	27.7	23.3
-30°	111.3	97.6	83.3	71.3	62.8	53.8	44.5	37.1	31.9	26.8	22.6
-32.5°	100.6	86.7	76.7	67.4	59.3	50.6	41.6	35.7	30.6	25.9	21.9
-35°	91.1	79.4	70.8	63.4	55.6	47.2	39.0	34.1	29.2	24.9	21.3
-37.5°	81.7	73.7	66.4	59.4	51.9	43.6	37.2	32.5	27.7	23.9	20.6
-40°	75.6	68.5	62.1	55.2	47.8	39.8	35.3	30.7	26.4	22.8	19.8
-42.5°	69.5	63.8	57.5	50.9	43.4	37.5	33.3	28.9	25.1	21.8	19.1
-45°	64.6	58.9	52.6	45.9	39.3	35.2	31.2	27.1	23.8	20.9	18.3
-47.5°	59.4	53.3	47.2	40.8	36.7	32.9	29.0	25.5	22.4	19.9	17.4
-50°	53.0	47.3	41.4	37.2	33.9	30.4	26.8	23.9	21.2	18.9	16.6
-52.5°	46.5	41.1	37.1	34.1	31.1	27.8	25.0	22.3	20.1	17.9	15.7
-55°	39.8	36.4	33.7	31.1	28.4	25.7	23.1	20.9	18.9	16.8	14.8
-57.5°	35.5	32.8	30.6	28.3	25.9	23.5	21.4	19.5	17.7	15.8	14.2
-60°	31.8	29.8	27.8	25.7	23.5	21.6	19.9	18.2	16.4	14.7	13.5
-62.5°	28.7	26.8	25.0	23.1	21.4	19.9	18.3	16.8	15.2	14.0	12.9
-65°	25.5	23.9	22.3	20.9	19.5	18.2	16.8	15.3	14.2	13.2	12.1
-67.5°	22.4	21.2	20.1	18.9	17.7	16.4	15.2	14.2	13.3	12.4	11.1
-70°	19.9	18.9	17.9	16.8	15.8	14.7	13.9	13.2	12.4	11.2	10.0
-72.5°	17.4	16.6	15.7	14.8	14.0	13.3	12.7	12.1	11.1	10.0	9.0
-75°	15.0	14.3	13.5	12.8	12.3	11.8	11.3	10.6	9.7	8.8	8.2
-77.5°	12.5	11.9	11.3	10.9	10.6	10.2	9.7	9.1	8.5	7.9	7.4
-80°	10.4	10.1	9.8	9.4	9.1	8.7	8.3	7.9	7.5	7.1	6.7
-82.5°	8.8	8.5	8.3	8.0	7.7	7.4	7.2	6.9	6.6	6.3	5.6
-85°	7.1	6.9	6.7	6.6	6.4	6.2	5.7	5.2	4.7	4.2	3.7
-87.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
77.5°	6.9	6.4	5.3	4.0	2.7	1.3	0.0
75°	7.5	6.9	6.3	4.8	3.2	1.6	0.0
72.5°	8.2	7.4	6.7	5.6	3.7	1.9	0.0
70°	8.8	7.9	7.1	6.3	4.2	2.1	0.0
67.5°	9.7	8.5	7.5	6.6	4.7	2.4	0.0
65°	10.6	9.1	7.9	6.9	5.2	2.6	0.0
62.5°	11.5	9.8	8.3	7.2	5.7	2.9	0.0
60°	12.3	10.5	8.7	7.4	6.2	3.1	0.0
57.5°	12.9	11.2	9.2	7.7	6.4	3.3	0.0
55°	13.4	11.9	9.8	8.0	6.6	3.6	0.0
52.5°	14.0	12.5	10.3	8.3	6.7	3.8	0.0
50°	14.5	12.9	10.8	8.5	6.9	4.0	0.0
47.5°	15.0	13.3	11.3	8.8	7.1	4.2	0.0
45°	15.7	13.7	11.7	9.1	7.2	4.4	0.0
42.5°	16.4	14.1	12.2	9.5	7.4	4.6	0.0
40°	17.0	14.4	12.5	9.8	7.5	4.7	0.0
37.5°	17.6	14.8	12.8	10.1	7.7	4.9	0.0
35°	18.2	15.2	13.1	10.4	7.8	5.1	0.0
32.5°	18.8	15.7	13.3	10.7	7.9	5.2	0.0
30°	19.3	16.1	13.5	10.9	8.0	5.4	0.0
27.5°	19.8	16.5	13.8	11.1	8.1	5.5	0.0
25°	20.2	16.8	14.0	11.4	8.2	5.6	0.0
22.5°	20.6	17.2	14.1	11.6	8.3	5.7	0.0
20°	21.0	17.5	14.3	11.7	8.4	5.8	0.0
17.5°	21.3	17.7	14.4	11.9	8.5	5.9	0.0
15°	21.6	18.0	14.6	12.0	8.5	6.0	0.0
12.5°	21.8	18.2	14.7	12.1	8.6	6.1	0.0
10°	22.0	18.3	14.7	12.2	8.6	6.1	0.0
7.5°	22.2	18.4	14.8	12.3	8.7	6.1	0.0
5°	22.3	18.5	14.9	12.4	8.7	6.2	0.0
2.5°	22.4	18.6	14.9	12.4	8.7	6.2	0.0
0°	22.4	18.6	14.9	12.4	8.7	6.2	0.0
-2.5°	22.4	18.6	14.9	12.4	8.7	6.2	0.0
-5°	22.3	18.5	14.9	12.4	8.7	6.2	0.0
-7.5°	22.2	18.4	14.8	12.3	8.7	6.1	0.0
-10°	22.0	18.3	14.7	12.2	8.6	6.1	0.0
-12.5°	21.8	18.2	14.7	12.1	8.6	6.1	0.0
-15°	21.6	18.0	14.6	12.0	8.5	6.0	0.0
-17.5°	21.3	17.7	14.4	11.9	8.5	5.9	0.0
-20°	21.0	17.5	14.3	11.7	8.4	5.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.6	17.2	14.1	11.6	8.3	5.7	0.0
-25°	20.2	16.8	14.0	11.4	8.2	5.6	0.0
-27.5°	19.8	16.5	13.8	11.1	8.1	5.5	0.0
-30°	19.3	16.1	13.5	10.9	8.0	5.4	0.0
-32.5°	18.8	15.7	13.3	10.7	7.9	5.2	0.0
-35°	18.2	15.2	13.1	10.4	7.8	5.1	0.0
-37.5°	17.6	14.8	12.8	10.1	7.7	4.9	0.0
-40°	17.0	14.4	12.5	9.8	7.5	4.7	0.0
-42.5°	16.4	14.1	12.2	9.5	7.4	4.6	0.0
-45°	15.7	13.7	11.7	9.1	7.2	4.4	0.0
-47.5°	15.0	13.3	11.3	8.8	7.1	4.2	0.0
-50°	14.5	12.9	10.8	8.5	6.9	4.0	0.0
-52.5°	14.0	12.5	10.3	8.3	6.7	3.8	0.0
-55°	13.4	11.9	9.8	8.0	6.6	3.6	0.0
-57.5°	12.9	11.2	9.2	7.7	6.4	3.3	0.0
-60°	12.3	10.5	8.7	7.4	6.2	3.1	0.0
-62.5°	11.5	9.8	8.3	7.2	5.7	2.9	0.0
-65°	10.6	9.1	7.9	6.9	5.2	2.6	0.0
-67.5°	9.7	8.5	7.5	6.6	4.7	2.4	0.0
-70°	8.8	7.9	7.1	6.3	4.2	2.1	0.0
-72.5°	8.2	7.4	6.7	5.6	3.7	1.9	0.0
-75°	7.5	6.9	6.3	4.8	3.2	1.6	0.0
-77.5°	6.9	6.4	5.3	4.0	2.7	1.3	0.0
-80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
-82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)