

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-3R-S**

Issue Date: 8/10/2023

Test Information

Test Method: LM-79-08
Report Number: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-50)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-3R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 3R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

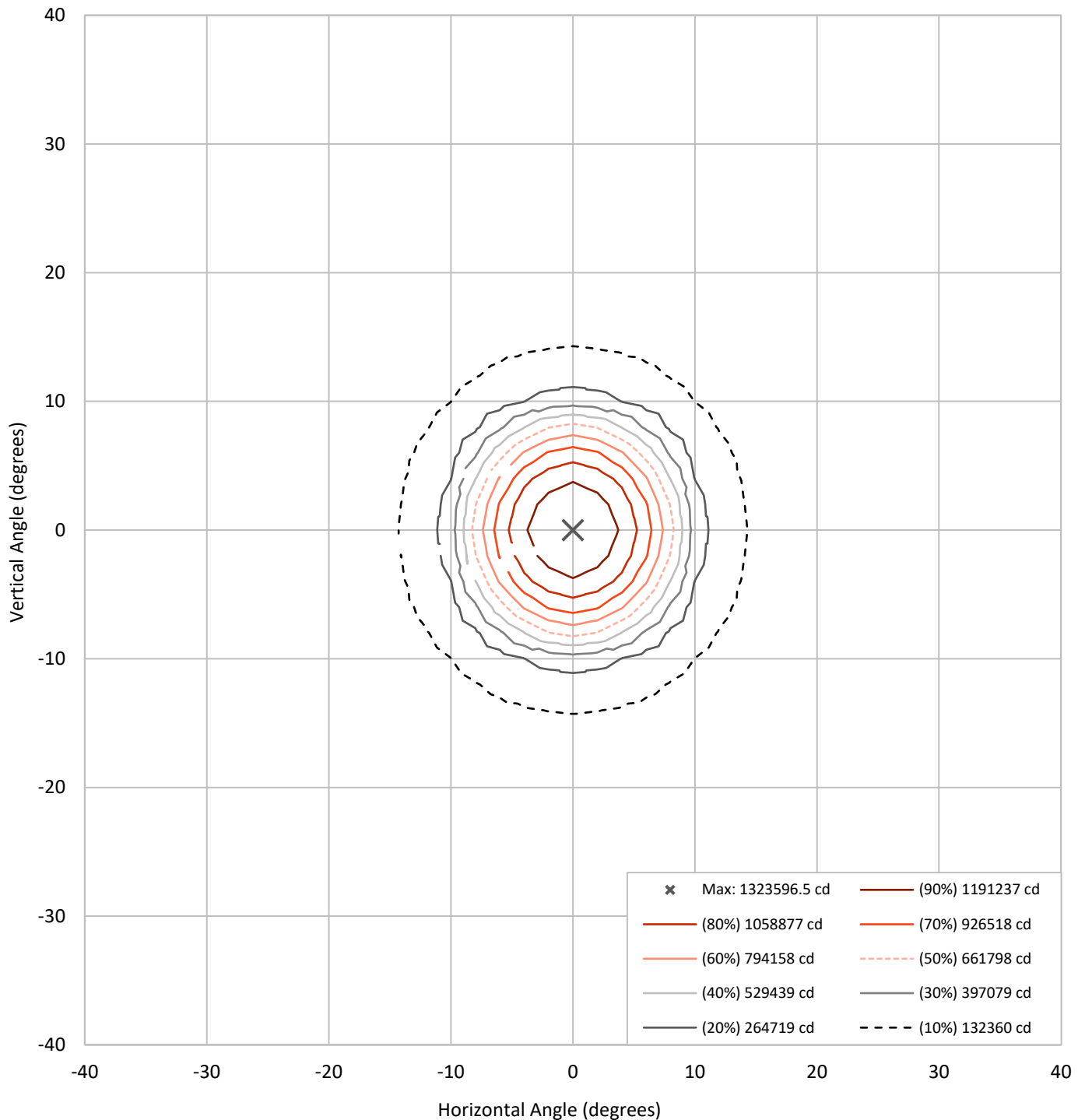
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	168064.4 lumens	Max Intensity:	1323596.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.4 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		

Beam Angle (50%):	16.5°H x 16.5°V	Field Angle (10%):	28.4°H x 28.4°V
Beam Lumens:	61455.8 lumens	Field Lumens:	99903.2 lumens
Beam Efficiency:	36.6%	Field Efficiency:	59.4%

Input Watts (W): 1288.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

Iso-Candela Plot





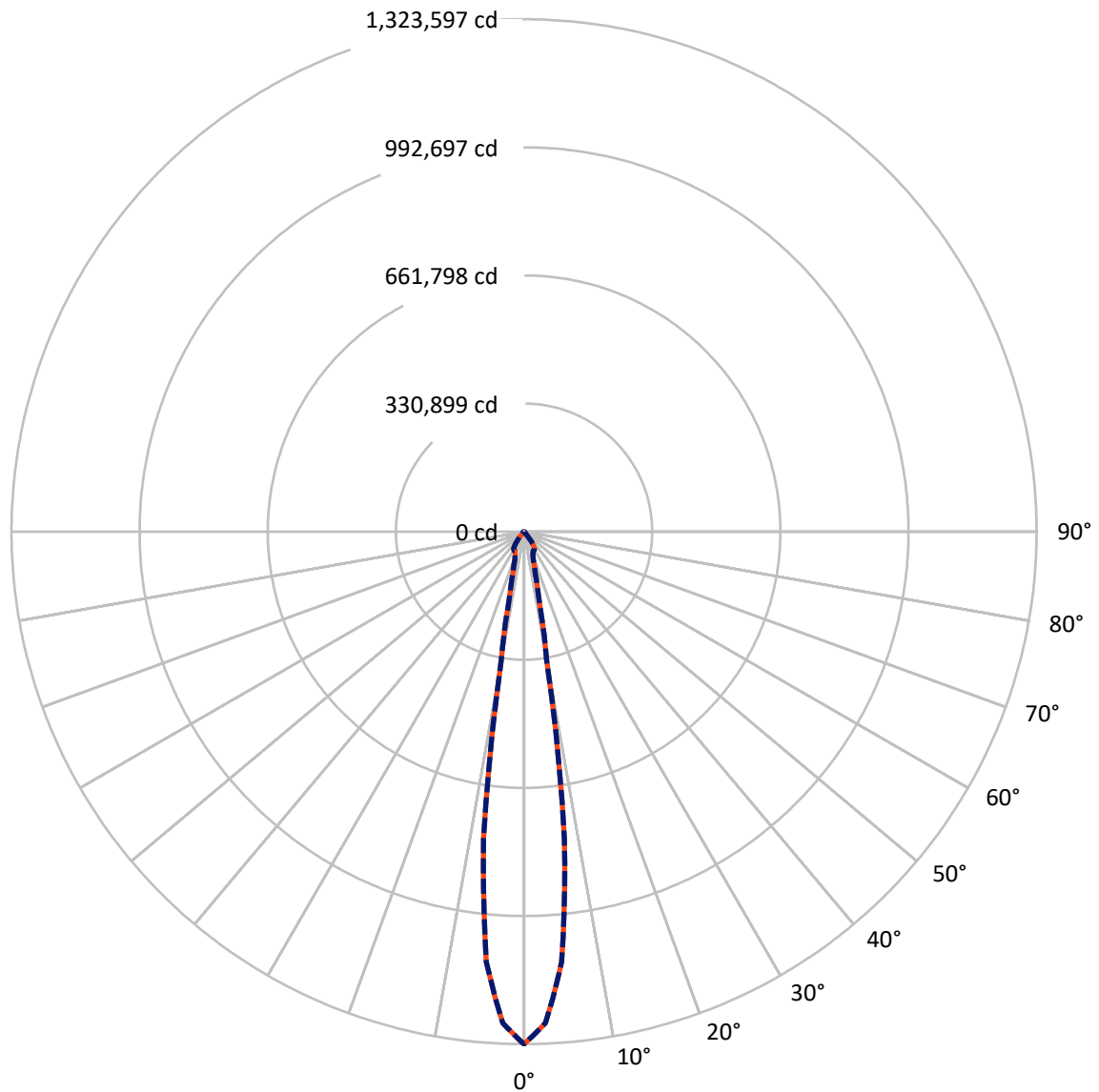
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Lumen Table

90	0.1	0.8		2.1		3.4		3.9		3.4		2.1		0.8		0.1
80	0.1	0.8		2.1		3.4		3.9		3.4		2.1		0.8		0.1
70	0.4	0.4	0.8	1.4	2.2	3.2	4.0	4.5	4.5	4.0	3.2	2.2	1.4	0.8	0.4	0.4
60		0.6	1.4	2.9	5.6	10.3	15.3	18.2	18.2	15.3	10.3	5.6	2.9	1.4	0.6	
50	0.6	0.8	2.3	6.5	15.9	25.9	53.1	88.4	88.4	53.1	25.9	15.9	6.5	2.3	0.8	0.6
40		1.2	4.0	13.8	34.2	219.0	699.4	1043.4	1043.4	699.4	219.0	34.2	13.8	4.0	1.2	
30	0.9	1.5	6.7	20.3	200.2	1020.2	1546.0	1715.1	1715.1	1546.0	1020.2	200.2	20.3	6.7	1.5	0.9
20		1.8	9.3	39.8	602.1	1451.6	1979.6	3566.3	3566.3	1979.6	1451.6	602.1	39.8	9.3	1.8	
10	0.9	2.0	10.7	65.0	869.0	1562.2	3472.3	21584.9	21584.9	1562.2	3472.3	1562.2	869.0	65.0	10.7	0.9
0		2.0	10.7	65.0	869.0	1562.2	3472.3	21584.9	21584.9	1562.2	3472.3	1562.2	869.0	65.0	10.7	
-10	0.9	1.8	9.3	39.8	602.1	1451.6	1979.6	3566.3	3566.3	1979.6	1451.6	602.1	39.8	9.3	1.8	0.9
-20		1.5	6.7	20.3	200.2	1020.2	1546.0	1715.1	1715.1	1546.0	1020.2	200.2	20.3	6.7	1.5	
-30	0.6	1.2	4.0	13.8	34.2	219.0	699.4	1043.4	1043.4	699.4	219.0	34.2	13.8	4.0	1.2	0.6
-40		0.8	2.3	6.5	15.9	25.9	53.1	88.4	88.4	53.1	25.9	15.9	6.5	2.3	0.8	
-50	0.4	0.6	1.4	2.9	5.6	10.3	15.3	18.2	18.2	15.3	10.3	5.6	2.9	1.4	0.6	0.4
-60		0.4	0.8	1.4	2.2	3.2	4.0	4.5	4.5	4.0	3.2	2.2	1.4	0.8	0.4	
-70	0.1	0.8		2.1		3.4		3.9		3.4		2.1		0.8		0.1
-80		0.8		2.1		3.4		3.9		3.4		2.1		0.8		
-90	0.1	0.8		2.1		3.4		3.9		3.4		2.1		0.8		0.1

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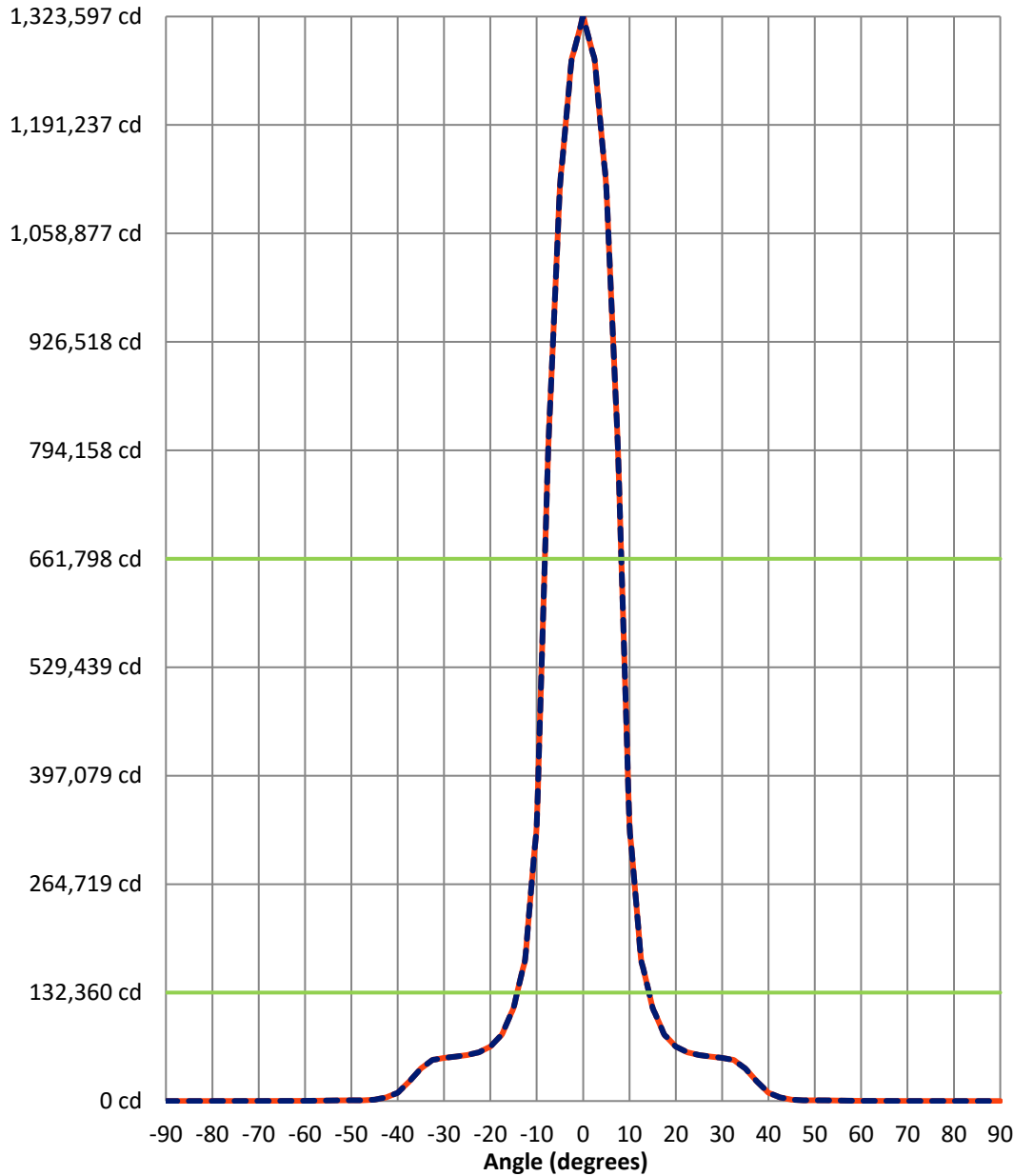
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 16.5°
 V Angle: 16.5°
 Lumens: 61455.8
 Efficiency: 36.6%

Field:
 H Angle: 28.4°
 V Angle: 28.4°
 Lumens: 99903.2
 Efficiency: 59.4%

Spill:
 Lumens: 68161.2
 Efficiency: 40.6%

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

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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
85°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
82.5°	0.0	1.3	2.5	3.7	5.0	6.2	7.4	8.6	9.6	9.6	9.6
80°	0.0	1.7	3.3	5.0	6.6	8.3	9.6	9.6	9.6	9.6	9.6
77.5°	0.0	2.1	4.2	6.2	8.3	9.6	9.6	9.6	9.6	9.6	10.6
75°	0.0	2.5	5.0	7.4	9.6	9.6	9.6	9.6	9.9	12.2	14.5
72.5°	0.0	2.9	5.8	8.6	9.6	9.6	9.6	10.3	13.1	15.8	18.4
70°	0.0	3.3	6.6	9.6	9.6	9.6	9.9	13.1	16.2	19.3	22.3
67.5°	0.0	3.7	7.3	9.6	9.6	9.6	12.2	15.8	19.3	22.7	26.1
65°	0.0	4.1	8.1	9.6	9.6	10.6	14.5	18.4	22.3	26.1	29.9
62.5°	0.0	4.4	8.9	9.6	9.6	12.4	16.8	21.0	25.3	29.5	33.6
60°	0.0	4.8	9.6	9.6	9.6	14.3	19.0	23.6	28.2	32.7	37.2
57.5°	0.0	5.2	9.6	9.6	11.0	16.0	21.1	26.1	31.0	35.9	40.7
55°	0.0	5.5	9.6	9.6	12.4	17.8	23.2	28.5	33.8	39.0	44.2
52.5°	0.0	5.8	9.6	9.6	13.7	19.5	25.2	30.9	36.5	42.0	47.5
50°	0.0	6.2	9.6	9.6	15.0	21.1	27.2	33.2	39.1	45.0	53.8
47.5°	0.0	6.5	9.6	9.8	16.3	22.7	29.1	35.3	41.6	47.8	60.1
45°	0.0	6.8	9.6	10.7	17.5	24.2	30.9	37.5	44.0	53.3	66.2
42.5°	0.0	7.1	9.6	11.6	18.6	25.7	32.6	39.5	46.4	58.6	69.6
40°	0.0	7.4	9.6	12.4	19.8	27.0	34.3	41.4	49.4	63.6	72.4
37.5°	0.0	7.6	9.6	13.2	20.8	28.4	35.8	43.3	53.6	67.8	75.1
35°	0.0	7.9	9.6	14.0	21.8	29.6	37.3	45.1	57.7	70.1	79.6
32.5°	0.0	8.1	9.6	14.7	22.7	30.8	38.7	46.7	61.5	72.2	86.9
30°	0.0	8.3	9.6	15.3	23.6	31.9	40.0	48.6	65.0	74.2	93.6
27.5°	0.0	8.5	9.6	15.9	24.4	32.9	41.3	51.5	67.7	76.1	99.9
25°	0.0	8.7	9.6	16.5	25.2	33.8	42.4	54.2	69.2	80.1	105.9
22.5°	0.0	8.9	9.6	17.0	25.9	34.6	43.4	56.6	70.6	84.8	114.7
20°	0.0	9.0	9.6	17.5	26.5	35.4	44.4	58.8	71.9	89.1	122.7
17.5°	0.0	9.2	9.6	17.9	27.0	36.1	45.2	60.7	73.0	92.9	129.8
15°	0.0	9.3	9.6	18.2	27.5	36.7	45.9	62.4	74.0	96.2	136.0
12.5°	0.0	9.4	9.6	18.5	27.9	37.2	46.5	63.8	74.8	99.0	141.3
10°	0.0	9.5	9.6	18.8	28.2	37.6	47.0	65.0	75.5	101.4	145.6
7.5°	0.0	9.5	9.6	19.0	28.5	37.9	47.4	65.9	76.0	103.2	149.0
5°	0.0	9.6	9.6	19.1	28.7	38.1	47.7	66.6	76.4	104.5	151.5
2.5°	0.0	9.6	9.6	19.2	28.8	38.3	47.8	67.0	76.6	105.2	152.9
0°	0.0	9.6	9.6	19.2	28.8	38.3	47.8	67.0	76.6	105.2	152.9
-2.5°	0.0	9.6	9.6	19.2	28.8	38.3	47.8	67.0	76.6	105.2	152.9
-5°	0.0	9.6	9.6	19.1	28.7	38.1	47.7	66.6	76.4	104.5	151.5
-7.5°	0.0	9.5	9.6	19.0	28.5	37.9	47.4	65.9	76.0	103.2	149.0
-10°	0.0	9.5	9.6	18.8	28.2	37.6	47.0	65.0	75.5	101.4	145.6
-12.5°	0.0	9.4	9.6	18.5	27.9	37.2	46.5	63.8	74.8	99.0	141.3
-15°	0.0	9.3	9.6	18.2	27.5	36.7	45.9	62.4	74.0	96.2	136.0
-17.5°	0.0	9.2	9.6	17.9	27.0	36.1	45.2	60.7	73.0	92.9	129.8
-20°	0.0	9.0	9.6	17.5	26.5	35.4	44.4	58.8	71.9	89.1	122.7



REPORT NUMBER: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.9	9.6	17.0	25.9	34.6	43.4	56.6	70.6	84.8	114.7
-25°	0.0	8.7	9.6	16.5	25.2	33.8	42.4	54.2	69.2	80.1	105.9
-27.5°	0.0	8.5	9.6	15.9	24.4	32.9	41.3	51.5	67.7	76.1	99.9
-30°	0.0	8.3	9.6	15.3	23.6	31.9	40.0	48.6	65.0	74.2	93.6
-32.5°	0.0	8.1	9.6	14.7	22.7	30.8	38.7	46.7	61.5	72.2	86.9
-35°	0.0	7.9	9.6	14.0	21.8	29.6	37.3	45.1	57.7	70.1	79.6
-37.5°	0.0	7.6	9.6	13.2	20.8	28.4	35.8	43.3	53.6	67.8	75.1
-40°	0.0	7.4	9.6	12.4	19.8	27.0	34.3	41.4	49.4	63.6	72.4
-42.5°	0.0	7.1	9.6	11.6	18.6	25.7	32.6	39.5	46.4	58.6	69.6
-45°	0.0	6.8	9.6	10.7	17.5	24.2	30.9	37.5	44.0	53.3	66.2
-47.5°	0.0	6.5	9.6	9.8	16.3	22.7	29.1	35.3	41.6	47.8	60.1
-50°	0.0	6.2	9.6	9.6	15.0	21.1	27.2	33.2	39.1	45.0	53.8
-52.5°	0.0	5.8	9.6	9.6	13.7	19.5	25.2	30.9	36.5	42.0	47.5
-55°	0.0	5.5	9.6	9.6	12.4	17.8	23.2	28.5	33.8	39.0	44.2
-57.5°	0.0	5.2	9.6	9.6	11.0	16.0	21.1	26.1	31.0	35.9	40.7
-60°	0.0	4.8	9.6	9.6	9.6	14.3	19.0	23.6	28.2	32.7	37.2
-62.5°	0.0	4.4	8.9	9.6	9.6	12.4	16.8	21.0	25.3	29.5	33.6
-65°	0.0	4.1	8.1	9.6	9.6	10.6	14.5	18.4	22.3	26.1	29.9
-67.5°	0.0	3.7	7.3	9.6	9.6	9.6	12.2	15.8	19.3	22.7	26.1
-70°	0.0	3.3	6.6	9.6	9.6	9.6	9.9	13.1	16.2	19.3	22.3
-72.5°	0.0	2.9	5.8	8.6	9.6	9.6	9.6	10.3	13.1	15.8	18.4
-75°	0.0	2.5	5.0	7.4	9.6	9.6	9.6	9.6	9.9	12.2	14.5
-77.5°	0.0	2.1	4.2	6.2	8.3	9.6	9.6	9.6	9.6	9.6	10.6
-80°	0.0	1.7	3.3	5.0	6.6	8.3	9.6	9.6	9.6	9.6	9.6
-82.5°	0.0	1.3	2.5	3.7	5.0	6.2	7.4	8.6	9.6	9.6	9.6
-85°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
-87.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-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: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

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°	4.4	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.1	7.4	7.6
85°	8.9	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
82.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.8	10.7	11.6	12.4	13.2
80°	9.6	9.6	11.0	12.4	13.7	15.0	16.3	17.5	18.6	19.8	20.8
77.5°	12.4	14.3	16.0	17.8	19.5	21.1	22.7	24.2	25.7	27.0	28.4
75°	16.8	19.0	21.1	23.2	25.2	27.2	29.1	30.9	32.6	34.3	35.8
72.5°	21.0	23.6	26.1	28.5	30.9	33.2	35.3	37.5	39.5	41.4	43.3
70°	25.3	28.2	31.0	33.8	36.5	39.1	41.6	44.0	46.4	49.4	53.6
67.5°	29.5	32.7	35.9	39.0	42.0	45.0	47.8	53.3	58.6	63.6	67.8
65°	33.6	37.2	40.7	44.2	47.5	53.8	60.1	66.2	69.6	72.4	75.1
62.5°	37.6	41.6	45.5	50.6	58.1	65.3	69.7	73.1	76.3	84.9	93.9
60°	41.6	45.9	52.4	60.7	67.9	71.9	75.7	84.8	95.5	105.9	122.2
57.5°	45.5	52.4	61.6	68.8	73.2	79.1	91.5	103.5	121.5	140.1	156.1
55°	50.6	60.7	68.8	73.7	81.7	95.5	111.2	132.9	153.6	165.7	177.2
52.5°	58.1	67.9	73.2	81.7	96.9	115.8	139.7	159.1	172.6	191.3	224.5
50°	65.3	71.9	79.1	95.5	115.8	142.0	161.9	176.8	206.4	243.5	299.4
47.5°	69.7	75.7	91.5	111.2	139.7	161.9	178.2	214.0	255.0	330.5	406.7
45°	73.1	84.8	103.5	132.9	159.1	176.8	214.0	258.9	346.1	438.5	555.5
42.5°	76.3	95.5	121.5	153.6	172.6	206.4	255.0	346.1	449.9	578.8	693.9
40°	84.9	105.9	140.1	165.7	191.3	243.5	330.5	438.5	578.8	704.3	818.9
37.5°	93.9	122.2	156.1	177.2	224.5	299.4	406.7	555.5	693.9	818.9	870.7
35°	102.3	137.7	166.2	198.3	256.2	367.6	509.4	663.2	797.9	866.4	897.1
32.5°	113.5	152.3	175.8	226.1	313.6	441.2	609.4	756.3	853.6	899.3	885.9
30°	126.0	161.0	189.3	252.3	370.3	529.2	694.8	832.5	891.4	889.2	1171.3
27.5°	137.7	168.7	211.7	294.6	428.3	611.7	772.1	865.8	894.7	979.9	1598.9
25°	148.4	175.8	232.5	339.9	499.2	681.2	832.3	896.8	886.4	1355.3	2762.9
22.5°	156.3	182.6	251.6	381.5	564.3	742.6	858.9	895.1	1021.8	1743.3	4045.8
20°	161.6	198.3	278.8	422.3	623.4	798.3	883.1	888.6	1317.9	2837.9	6041.3
17.5°	166.4	212.3	309.5	470.7	670.5	834.0	900.3	882.7	1584.4	3825.4	8229.8
15°	170.5	224.5	336.4	513.2	710.7	851.5	895.6	1068.7	2140.7	4961.8	10250.2
12.5°	174.1	234.9	359.4	549.4	745.1	866.5	891.5	1254.8	2833.8	6505.5	14327.8
10°	177.0	243.5	378.3	579.2	773.5	878.9	888.1	1409.0	3408.6	7788.1	17723.5
7.5°	179.3	250.2	393.1	602.6	795.7	888.6	885.4	1530.1	3860.7	8798.5	20403.2
5°	180.9	255.0	403.7	619.3	811.7	895.6	883.5	1617.2	4186.3	9527.2	22338.9
2.5°	181.9	257.9	410.1	629.4	821.3	899.8	882.4	1669.7	4382.8	9967.3	23509.2
0°	182.2	258.9	412.2	632.8	824.5	901.2	882.0	1687.3	4448.5	10114.5	23900.8
-2.5°	181.9	257.9	410.1	629.4	821.3	899.8	882.4	1669.7	4382.8	9967.3	23509.2
-5°	180.9	255.0	403.7	619.3	811.7	895.6	883.5	1617.2	4186.3	9527.2	22338.9
-7.5°	179.3	250.2	393.1	602.6	795.7	888.6	885.4	1530.1	3860.7	8798.5	20403.2
-10°	177.0	243.5	378.3	579.2	773.5	878.9	888.1	1409.0	3408.6	7788.1	17723.5
-12.5°	174.1	234.9	359.4	549.4	745.1	866.5	891.5	1254.8	2833.8	6505.5	14327.8
-15°	170.5	224.5	336.4	513.2	710.7	851.5	895.6	1068.7	2140.7	4961.8	10250.2
-17.5°	166.4	212.3	309.5	470.7	670.5	834.0	900.3	882.7	1584.4	3825.4	8229.8
-20°	161.6	198.3	278.8	422.3	623.4	798.3	883.1	888.6	1317.9	2837.9	6041.3



REPORT NUMBER: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	156.3	182.6	251.6	381.5	564.3	742.6	858.9	895.1	1021.8	1743.3	4045.8
-25°	148.4	175.8	232.5	339.9	499.2	681.2	832.3	896.8	886.4	1355.3	2762.9
-27.5°	137.7	168.7	211.7	294.6	428.3	611.7	772.1	865.8	894.7	979.9	1598.9
-30°	126.0	161.0	189.3	252.3	370.3	529.2	694.8	832.5	891.4	889.2	1171.3
-32.5°	113.5	152.3	175.8	226.1	313.6	441.2	609.4	756.3	853.6	899.3	885.9
-35°	102.3	137.7	166.2	198.3	256.2	367.6	509.4	663.2	797.9	866.4	897.1
-37.5°	93.9	122.2	156.1	177.2	224.5	299.4	406.7	555.5	693.9	818.9	870.7
-40°	84.9	105.9	140.1	165.7	191.3	243.5	330.5	438.5	578.8	704.3	818.9
-42.5°	76.3	95.5	121.5	153.6	172.6	206.4	255.0	346.1	449.9	578.8	693.9
-45°	73.1	84.8	103.5	132.9	159.1	176.8	214.0	258.9	346.1	438.5	555.5
-47.5°	69.7	75.7	91.5	111.2	139.7	161.9	178.2	214.0	255.0	330.5	406.7
-50°	65.3	71.9	79.1	95.5	115.8	142.0	161.9	176.8	206.4	243.5	299.4
-52.5°	58.1	67.9	73.2	81.7	96.9	115.8	139.7	159.1	172.6	191.3	224.5
-55°	50.6	60.7	68.8	73.7	81.7	95.5	111.2	132.9	153.6	165.7	177.2
-57.5°	45.5	52.4	61.6	68.8	73.2	79.1	91.5	103.5	121.5	140.1	156.1
-60°	41.6	45.9	52.4	60.7	67.9	71.9	75.7	84.8	95.5	105.9	122.2
-62.5°	37.6	41.6	45.5	50.6	58.1	65.3	69.7	73.1	76.3	84.9	93.9
-65°	33.6	37.2	40.7	44.2	47.5	53.8	60.1	66.2	69.6	72.4	75.1
-67.5°	29.5	32.7	35.9	39.0	42.0	45.0	47.8	53.3	58.6	63.6	67.8
-70°	25.3	28.2	31.0	33.8	36.5	39.1	41.6	44.0	46.4	49.4	53.6
-72.5°	21.0	23.6	26.1	28.5	30.9	33.2	35.3	37.5	39.5	41.4	43.3
-75°	16.8	19.0	21.1	23.2	25.2	27.2	29.1	30.9	32.6	34.3	35.8
-77.5°	12.4	14.3	16.0	17.8	19.5	21.1	22.7	24.2	25.7	27.0	28.4
-80°	9.6	9.6	11.0	12.4	13.7	15.0	16.3	17.5	18.6	19.8	20.8
-82.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.8	10.7	11.6	12.4	13.2
-85°	8.9	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-87.5°	4.4	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.1	7.4	7.6
-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: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

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°	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.4	9.5
85°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
82.5°	14.0	14.7	15.3	15.9	16.5	17.0	17.5	17.9	18.2	18.5	18.8
80°	21.8	22.7	23.6	24.4	25.2	25.9	26.5	27.0	27.5	27.9	28.2
77.5°	29.6	30.8	31.9	32.9	33.8	34.6	35.4	36.1	36.7	37.2	37.6
75°	37.3	38.7	40.0	41.3	42.4	43.4	44.4	45.2	45.9	46.5	47.0
72.5°	45.1	46.7	48.6	51.5	54.2	56.6	58.8	60.7	62.4	63.8	65.0
70°	57.7	61.5	65.0	67.7	69.2	70.6	71.9	73.0	74.0	74.8	75.5
67.5°	70.1	72.2	74.2	76.1	80.1	84.8	89.1	92.9	96.2	99.0	101.4
65°	79.6	86.9	93.6	99.9	105.9	114.7	122.7	129.8	136.0	141.3	145.6
62.5°	102.3	113.5	126.0	137.7	148.4	156.3	161.6	166.4	170.5	174.1	177.0
60°	137.7	152.3	161.0	168.7	175.8	182.6	198.3	212.3	224.5	234.9	243.5
57.5°	166.2	175.8	189.3	211.7	232.5	251.6	278.8	309.5	336.4	359.4	378.3
55°	198.3	226.1	252.3	294.6	339.9	381.5	422.3	470.7	513.2	549.4	579.2
52.5°	256.2	313.6	370.3	428.3	499.2	564.3	623.4	670.5	710.7	745.1	773.5
50°	367.6	441.2	529.2	611.7	681.2	742.6	798.3	834.0	851.5	866.5	878.9
47.5°	509.4	609.4	694.8	772.1	832.3	858.9	883.1	900.3	895.6	891.5	888.1
45°	663.2	756.3	832.5	865.8	896.8	895.1	888.6	882.7	1068.7	1254.8	1409.0
42.5°	797.9	853.6	891.4	894.7	886.4	1021.8	1317.9	1584.4	2140.7	2833.8	3408.6
40°	866.4	899.3	889.2	979.9	1355.3	1743.3	2837.9	3825.4	4961.8	6505.5	7788.1
37.5°	897.1	885.9	1171.3	1598.9	2762.9	4045.8	6041.3	8229.8	10250.2	14327.8	17723.5
35°	884.7	1268.1	1893.4	3456.5	5438.0	8262.2	11942.8	17692.4	22806.5	27718.4	31951.8
32.5°	1268.1	2064.5	3807.7	6546.8	9777.2	16658.4	23473.2	30517.1	36860.5	41462.8	44518.2
30°	1893.4	3807.7	6919.7	11163.3	19544.9	27940.3	36327.3	42538.8	47090.1	50350.7	51163.5
27.5°	3456.5	6546.8	11163.3	20516.9	30242.2	39822.8	45786.0	50400.9	51603.2	52657.7	53217.6
25°	5438.0	9777.2	19544.9	30242.2	40619.1	47441.1	51028.0	52469.1	53359.8	54082.0	54786.2
22.5°	8262.2	16658.4	27940.3	39822.8	47441.1	51240.0	52818.9	53794.1	54772.6	55726.1	56813.2
20°	11942.8	23473.2	36327.3	45786.0	51028.0	52818.9	53941.4	55145.9	56417.8	58230.0	60138.5
17.5°	17692.4	30517.1	42538.8	50400.9	52469.1	53794.1	55145.9	56764.2	58964.5	62604.5	66297.4
15°	22806.5	36860.5	47090.1	51603.2	53359.8	54772.6	56417.8	58964.5	63450.3	69869.3	78564.1
12.5°	27718.4	41462.8	50350.7	52657.7	54082.0	55726.1	58230.0	62604.5	69869.3	80676.0	101379.9
10°	31951.8	44518.2	51163.5	53217.6	54786.2	56813.2	60138.5	66297.4	78564.1	101379.9	131520.1
7.5°	35300.3	46941.6	51810.4	53663.6	55380.3	57955.5	62844.9	72473.9	91305.7	122810.8	173932.0
5°	37723.4	48699.2	52280.8	53989.1	55815.8	58797.6	64855.5	77292.5	103523.5	146923.3	231562.7
2.5°	39190.2	49764.7	52566.5	54187.3	56081.8	59314.3	66096.2	80290.3	111216.2	165671.6	308115.5
0°	39681.3	50121.8	52662.4	54253.9	56171.3	59488.5	66515.9	81308.9	113847.8	173221.2	337842.6
-2.5°	39190.2	49764.7	52566.5	54187.3	56081.8	59314.3	66096.2	80290.3	111216.2	165671.6	308115.5
-5°	37723.4	48699.2	52280.8	53989.1	55815.8	58797.6	64855.5	77292.5	103523.5	146923.3	231562.7
-7.5°	35300.3	46941.6	51810.4	53663.6	55380.3	57955.5	62844.9	72473.9	91305.7	122810.8	173932.0
-10°	31951.8	44518.2	51163.5	53217.6	54786.2	56813.2	60138.5	66297.4	78564.1	101379.9	131520.1
-12.5°	27718.4	41462.8	50350.7	52657.7	54082.0	55726.1	58230.0	62604.5	69869.3	80676.0	101379.9
-15°	22806.5	36860.5	47090.1	51603.2	53359.8	54772.6	56417.8	58964.5	63450.3	69869.3	78564.1
-17.5°	17692.4	30517.1	42538.8	50400.9	52469.1	53794.1	55145.9	56764.2	58964.5	62604.5	66297.4
-20°	11942.8	23473.2	36327.3	45786.0	51028.0	52818.9	53941.4	55145.9	56417.8	58230.0	60138.5



REPORT NUMBER: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8262.2	16658.4	27940.3	39822.8	47441.1	51240.0	52818.9	53794.1	54772.6	55726.1	56813.2
-25°	5438.0	9777.2	19544.9	30242.2	40619.1	47441.1	51028.0	52469.1	53359.8	54082.0	54786.2
-27.5°	3456.5	6546.8	11163.3	20516.9	30242.2	39822.8	45786.0	50400.9	51603.2	52657.7	53217.6
-30°	1893.4	3807.7	6919.7	11163.3	19544.9	27940.3	36327.3	42538.8	47090.1	50350.7	51163.5
-32.5°	1268.1	2064.5	3807.7	6546.8	9777.2	16658.4	23473.2	30517.1	36860.5	41462.8	44518.2
-35°	884.7	1268.1	1893.4	3456.5	5438.0	8262.2	11942.8	17692.4	22806.5	27718.4	31951.8
-37.5°	897.1	885.9	1171.3	1598.9	2762.9	4045.8	6041.3	8229.8	10250.2	14327.8	17723.5
-40°	866.4	899.3	889.2	979.9	1355.3	1743.3	2837.9	3825.4	4961.8	6505.5	7788.1
-42.5°	797.9	853.6	891.4	894.7	886.4	1021.8	1317.9	1584.4	2140.7	2833.8	3408.6
-45°	663.2	756.3	832.5	865.8	896.8	895.1	888.6	882.7	1068.7	1254.8	1409.0
-47.5°	509.4	609.4	694.8	772.1	832.3	858.9	883.1	900.3	895.6	891.5	888.1
-50°	367.6	441.2	529.2	611.7	681.2	742.6	798.3	834.0	851.5	866.5	878.9
-52.5°	256.2	313.6	370.3	428.3	499.2	564.3	623.4	670.5	710.7	745.1	773.5
-55°	198.3	226.1	252.3	294.6	339.9	381.5	422.3	470.7	513.2	549.4	579.2
-57.5°	166.2	175.8	189.3	211.7	232.5	251.6	278.8	309.5	336.4	359.4	378.3
-60°	137.7	152.3	161.0	168.7	175.8	182.6	198.3	212.3	224.5	234.9	243.5
-62.5°	102.3	113.5	126.0	137.7	148.4	156.3	161.6	166.4	170.5	174.1	177.0
-65°	79.6	86.9	93.6	99.9	105.9	114.7	122.7	129.8	136.0	141.3	145.6
-67.5°	70.1	72.2	74.2	76.1	80.1	84.8	89.1	92.9	96.2	99.0	101.4
-70°	57.7	61.5	65.0	67.7	69.2	70.6	71.9	73.0	74.0	74.8	75.5
-72.5°	45.1	46.7	48.6	51.5	54.2	56.6	58.8	60.7	62.4	63.8	65.0
-75°	37.3	38.7	40.0	41.3	42.4	43.4	44.4	45.2	45.9	46.5	47.0
-77.5°	29.6	30.8	31.9	32.9	33.8	34.6	35.4	36.1	36.7	37.2	37.6
-80°	21.8	22.7	23.6	24.4	25.2	25.9	26.5	27.0	27.5	27.9	28.2
-82.5°	14.0	14.7	15.3	15.9	16.5	17.0	17.5	17.9	18.2	18.5	18.8
-85°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-87.5°	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.4	9.5
-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: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

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°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.2
85°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.5	18.2	17.9
80°	28.5	28.7	28.8	28.8	28.8	28.7	28.5	28.2	27.9	27.5	27.0
77.5°	37.9	38.1	38.3	38.3	38.3	38.1	37.9	37.6	37.2	36.7	36.1
75°	47.4	47.7	47.8	47.8	47.8	47.7	47.4	47.0	46.5	45.9	45.2
72.5°	65.9	66.6	67.0	67.0	67.0	66.6	65.9	65.0	63.8	62.4	60.7
70°	76.0	76.4	76.6	76.6	76.6	76.4	76.0	75.5	74.8	74.0	73.0
67.5°	103.2	104.5	105.2	105.2	105.2	104.5	103.2	101.4	99.0	96.2	92.9
65°	149.0	151.5	152.9	152.9	152.9	151.5	149.0	145.6	141.3	136.0	129.8
62.5°	179.3	180.9	181.9	181.9	181.9	180.9	179.3	177.0	174.1	170.5	166.4
60°	250.2	255.0	257.9	257.9	257.9	255.0	250.2	243.5	234.9	224.5	212.3
57.5°	393.1	403.7	410.1	410.1	410.1	403.7	393.1	378.3	359.4	336.4	309.5
55°	602.6	619.3	629.4	629.4	629.4	619.3	602.6	579.2	549.4	513.2	470.7
52.5°	795.7	811.7	821.3	821.3	821.3	811.7	795.7	773.5	745.1	710.7	670.5
50°	888.6	895.6	899.8	899.8	899.8	895.6	888.6	878.9	866.5	851.5	834.0
47.5°	885.4	883.5	882.4	882.4	882.4	883.5	885.4	888.1	891.5	895.6	900.3
45°	1530.1	1617.2	1669.7	1669.7	1669.7	1617.2	1530.1	1409.0	1254.8	1068.7	882.7
42.5°	3860.7	4186.3	4382.8	4382.8	4382.8	4186.3	3860.7	3408.6	2833.8	2140.7	1584.4
40°	8798.5	9527.2	9967.3	9967.3	9967.3	9527.2	8798.5	7788.1	6505.5	4961.8	3825.4
37.5°	20403.2	22338.9	23509.2	23509.2	23509.2	22338.9	20403.2	17723.5	14327.8	10250.2	8229.8
35°	35300.3	37723.4	39190.2	39190.2	39190.2	37723.4	35300.3	31951.8	27718.4	22806.5	17692.4
32.5°	46941.6	48699.2	49764.7	49764.7	49764.7	48699.2	46941.6	44518.2	41462.8	36860.5	30517.1
30°	51810.4	52280.8	52566.5	52566.5	52566.5	52280.8	51810.4	51163.5	50350.7	47090.1	42538.8
27.5°	53663.6	53989.1	54187.3	54187.3	54187.3	53989.1	53663.6	53217.6	52657.7	51603.2	50400.9
25°	55380.3	55815.8	56081.8	56081.8	56081.8	55815.8	55380.3	54786.2	54082.0	53359.8	52469.1
22.5°	57955.5	58797.6	59314.3	59314.3	59314.3	58797.6	57955.5	56813.2	55726.1	54772.6	53794.1
20°	62844.9	64855.5	66096.2	66096.2	66096.2	64855.5	62844.9	60138.5	58230.0	56417.8	55145.9
17.5°	72473.9	77292.5	80290.3	80290.3	80290.3	77292.5	72473.9	66297.4	62604.5	58964.5	56764.2
15°	91305.7	103523.5	111216.2	111216.2	111216.2	103523.5	91305.7	78564.1	69869.3	63450.3	58964.5
12.5°	122810.8	146923.3	165671.6	165671.6	165671.6	146923.3	122810.8	101379.9	80676.0	69869.3	62604.5
10°	173932.0	231562.7	308115.5	308115.5	308115.5	231562.7	173932.0	131520.1	101379.9	78564.1	66297.4
7.5°	280139.4	500723.6	725008.1	725008.1	725008.1	500723.6	280139.4	173932.0	122810.8	91305.7	72473.9
5°	500723.6	878851.4	#####	#####	#####	878851.4	500723.6	231562.7	146923.3	103523.5	77292.5
2.5°	725008.1	#####	#####	#####	#####	725008.1	308115.5	165671.6	111216.2	80290.3	
0°	799172.9	#####	#####	#####	#####	799172.9	337842.6	173221.2	113847.8	81308.9	
-2.5°	725008.1	#####	#####	#####	#####	725008.1	308115.5	165671.6	111216.2	80290.3	
-5°	500723.6	878851.4	#####	#####	#####	878851.4	500723.6	231562.7	146923.3	103523.5	77292.5
-7.5°	280139.4	500723.6	725008.1	725008.1	725008.1	500723.6	280139.4	173932.0	122810.8	91305.7	72473.9
-10°	173932.0	231562.7	308115.5	308115.5	308115.5	231562.7	173932.0	131520.1	101379.9	78564.1	66297.4
-12.5°	122810.8	146923.3	165671.6	165671.6	165671.6	146923.3	122810.8	101379.9	80676.0	69869.3	62604.5
-15°	91305.7	103523.5	111216.2	111216.2	111216.2	103523.5	91305.7	78564.1	69869.3	63450.3	58964.5
-17.5°	72473.9	77292.5	80290.3	80290.3	80290.3	77292.5	72473.9	66297.4	62604.5	58964.5	56764.2
-20°	62844.9	64855.5	66096.2	66096.2	66096.2	64855.5	62844.9	60138.5	58230.0	56417.8	55145.9



REPORT NUMBER: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	57955.5	58797.6	59314.3	59488.5	59314.3	58797.6	57955.5	56813.2	55726.1	54772.6	53794.1
-25°	55380.3	55815.8	56081.8	56171.3	56081.8	55815.8	55380.3	54786.2	54082.0	53359.8	52469.1
-27.5°	53663.6	53989.1	54187.3	54253.9	54187.3	53989.1	53663.6	53217.6	52657.7	51603.2	50400.9
-30°	51810.4	52280.8	52566.5	52662.4	52566.5	52280.8	51810.4	51163.5	50350.7	47090.1	42538.8
-32.5°	46941.6	48699.2	49764.7	50121.8	49764.7	48699.2	46941.6	44518.2	41462.8	36860.5	30517.1
-35°	35300.3	37723.4	39190.2	39681.3	39190.2	37723.4	35300.3	31951.8	27718.4	22806.5	17692.4
-37.5°	20403.2	22338.9	23509.2	23900.8	23509.2	22338.9	20403.2	17723.5	14327.8	10250.2	8229.8
-40°	8798.5	9527.2	9967.3	10114.5	9967.3	9527.2	8798.5	7788.1	6505.5	4961.8	3825.4
-42.5°	3860.7	4186.3	4382.8	4448.5	4382.8	4186.3	3860.7	3408.6	2833.8	2140.7	1584.4
-45°	1530.1	1617.2	1669.7	1687.3	1669.7	1617.2	1530.1	1409.0	1254.8	1068.7	882.7
-47.5°	885.4	883.5	882.4	882.0	882.4	883.5	885.4	888.1	891.5	895.6	900.3
-50°	888.6	895.6	899.8	901.2	899.8	895.6	888.6	878.9	866.5	851.5	834.0
-52.5°	795.7	811.7	821.3	824.5	821.3	811.7	795.7	773.5	745.1	710.7	670.5
-55°	602.6	619.3	629.4	632.8	629.4	619.3	602.6	579.2	549.4	513.2	470.7
-57.5°	393.1	403.7	410.1	412.2	410.1	403.7	393.1	378.3	359.4	336.4	309.5
-60°	250.2	255.0	257.9	258.9	257.9	255.0	250.2	243.5	234.9	224.5	212.3
-62.5°	179.3	180.9	181.9	182.2	181.9	180.9	179.3	177.0	174.1	170.5	166.4
-65°	149.0	151.5	152.9	153.4	152.9	151.5	149.0	145.6	141.3	136.0	129.8
-67.5°	103.2	104.5	105.2	105.5	105.2	104.5	103.2	101.4	99.0	96.2	92.9
-70°	76.0	76.4	76.6	76.7	76.6	76.4	76.0	75.5	74.8	74.0	73.0
-72.5°	65.9	66.6	67.0	67.1	67.0	66.6	65.9	65.0	63.8	62.4	60.7
-75°	47.4	47.7	47.8	47.9	47.8	47.7	47.4	47.0	46.5	45.9	45.2
-77.5°	37.9	38.1	38.3	38.3	38.3	38.1	37.9	37.6	37.2	36.7	36.1
-80°	28.5	28.7	28.8	28.8	28.8	28.7	28.5	28.2	27.9	27.5	27.0
-82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.5	18.2	17.9
-85°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-87.5°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.2
-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: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

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°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
85°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
82.5°	17.5	17.0	16.5	15.9	15.3	14.7	14.0	13.2	12.4	11.6	10.7
80°	26.5	25.9	25.2	24.4	23.6	22.7	21.8	20.8	19.8	18.6	17.5
77.5°	35.4	34.6	33.8	32.9	31.9	30.8	29.6	28.4	27.0	25.7	24.2
75°	44.4	43.4	42.4	41.3	40.0	38.7	37.3	35.8	34.3	32.6	30.9
72.5°	58.8	56.6	54.2	51.5	48.6	46.7	45.1	43.3	41.4	39.5	37.5
70°	71.9	70.6	69.2	67.7	65.0	61.5	57.7	53.6	49.4	46.4	44.0
67.5°	89.1	84.8	80.1	76.1	74.2	72.2	70.1	67.8	63.6	58.6	53.3
65°	122.7	114.7	105.9	99.9	93.6	86.9	79.6	75.1	72.4	69.6	66.2
62.5°	161.6	156.3	148.4	137.7	126.0	113.5	102.3	93.9	84.9	76.3	73.1
60°	198.3	182.6	175.8	168.7	161.0	152.3	137.7	122.2	105.9	95.5	84.8
57.5°	278.8	251.6	232.5	211.7	189.3	175.8	166.2	156.1	140.1	121.5	103.5
55°	422.3	381.5	339.9	294.6	252.3	226.1	198.3	177.2	165.7	153.6	132.9
52.5°	623.4	564.3	499.2	428.3	370.3	313.6	256.2	224.5	191.3	172.6	159.1
50°	798.3	742.6	681.2	611.7	529.2	441.2	367.6	299.4	243.5	206.4	176.8
47.5°	883.1	858.9	832.3	772.1	694.8	609.4	509.4	406.7	330.5	255.0	214.0
45°	888.6	895.1	896.8	865.8	832.5	756.3	663.2	555.5	438.5	346.1	258.9
42.5°	1317.9	1021.8	886.4	894.7	891.4	853.6	797.9	693.9	578.8	449.9	346.1
40°	2837.9	1743.3	1355.3	979.9	889.2	899.3	866.4	818.9	704.3	578.8	438.5
37.5°	6041.3	4045.8	2762.9	1598.9	1171.3	885.9	897.1	870.7	818.9	693.9	555.5
35°	11942.8	8262.2	5438.0	3456.5	1893.4	1268.1	884.7	897.1	866.4	797.9	663.2
32.5°	23473.2	16658.4	9777.2	6546.8	3807.7	2064.5	1268.1	885.9	899.3	853.6	756.3
30°	36327.3	27940.3	19544.9	11163.3	6919.7	3807.7	1893.4	1171.3	889.2	891.4	832.5
27.5°	45786.0	39822.8	30242.2	20516.9	11163.3	6546.8	3456.5	1598.9	979.9	894.7	865.8
25°	51028.0	47441.1	40619.1	30242.2	19544.9	9777.2	5438.0	2762.9	1355.3	886.4	896.8
22.5°	52818.9	51240.0	47441.1	39822.8	27940.3	16658.4	8262.2	4045.8	1743.3	1021.8	895.1
20°	53941.4	52818.9	51028.0	45786.0	36327.3	23473.2	11942.8	6041.3	2837.9	1317.9	888.6
17.5°	55145.9	53794.1	52469.1	50400.9	42538.8	30517.1	17692.4	8229.8	3825.4	1584.4	882.7
15°	56417.8	54772.6	53359.8	51603.2	47090.1	36860.5	22806.5	10250.2	4961.8	2140.7	1068.7
12.5°	58230.0	55726.1	54082.0	52657.7	50350.7	41462.8	27718.4	14327.8	6505.5	2833.8	1254.8
10°	60138.5	56813.2	54786.2	53217.6	51163.5	44518.2	31951.8	17723.5	7788.1	3408.6	1409.0
7.5°	62844.9	57955.5	55380.3	53663.6	51810.4	46941.6	35300.3	20403.2	8798.5	3860.7	1530.1
5°	64855.5	58797.6	55815.8	53989.1	52280.8	48699.2	37723.4	22338.9	9527.2	4186.3	1617.2
2.5°	66096.2	59314.3	56081.8	54187.3	52566.5	49764.7	39190.2	23509.2	9967.3	4382.8	1669.7
0°	66515.9	59488.5	56171.3	54253.9	52662.4	50121.8	39681.3	23900.8	10114.5	4448.5	1687.3
-2.5°	66096.2	59314.3	56081.8	54187.3	52566.5	49764.7	39190.2	23509.2	9967.3	4382.8	1669.7
-5°	64855.5	58797.6	55815.8	53989.1	52280.8	48699.2	37723.4	22338.9	9527.2	4186.3	1617.2
-7.5°	62844.9	57955.5	55380.3	53663.6	51810.4	46941.6	35300.3	20403.2	8798.5	3860.7	1530.1
-10°	60138.5	56813.2	54786.2	53217.6	51163.5	44518.2	31951.8	17723.5	7788.1	3408.6	1409.0
-12.5°	58230.0	55726.1	54082.0	52657.7	50350.7	41462.8	27718.4	14327.8	6505.5	2833.8	1254.8
-15°	56417.8	54772.6	53359.8	51603.2	47090.1	36860.5	22806.5	10250.2	4961.8	2140.7	1068.7
-17.5°	55145.9	53794.1	52469.1	50400.9	42538.8	30517.1	17692.4	8229.8	3825.4	1584.4	882.7
-20°	53941.4	52818.9	51028.0	45786.0	36327.3	23473.2	11942.8	6041.3	2837.9	1317.9	888.6



REPORT NUMBER: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	52818.9	51240.0	47441.1	39822.8	27940.3	16658.4	8262.2	4045.8	1743.3	1021.8	895.1
-25°	51028.0	47441.1	40619.1	30242.2	19544.9	9777.2	5438.0	2762.9	1355.3	886.4	896.8
-27.5°	45786.0	39822.8	30242.2	20516.9	11163.3	6546.8	3456.5	1598.9	979.9	894.7	865.8
-30°	36327.3	27940.3	19544.9	11163.3	6919.7	3807.7	1893.4	1171.3	889.2	891.4	832.5
-32.5°	23473.2	16658.4	9777.2	6546.8	3807.7	2064.5	1268.1	885.9	899.3	853.6	756.3
-35°	11942.8	8262.2	5438.0	3456.5	1893.4	1268.1	884.7	897.1	866.4	797.9	663.2
-37.5°	6041.3	4045.8	2762.9	1598.9	1171.3	885.9	897.1	870.7	818.9	693.9	555.5
-40°	2837.9	1743.3	1355.3	979.9	889.2	899.3	866.4	818.9	704.3	578.8	438.5
-42.5°	1317.9	1021.8	886.4	894.7	891.4	853.6	797.9	693.9	578.8	449.9	346.1
-45°	888.6	895.1	896.8	865.8	832.5	756.3	663.2	555.5	438.5	346.1	258.9
-47.5°	883.1	858.9	832.3	772.1	694.8	609.4	509.4	406.7	330.5	255.0	214.0
-50°	798.3	742.6	681.2	611.7	529.2	441.2	367.6	299.4	243.5	206.4	176.8
-52.5°	623.4	564.3	499.2	428.3	370.3	313.6	256.2	224.5	191.3	172.6	159.1
-55°	422.3	381.5	339.9	294.6	252.3	226.1	198.3	177.2	165.7	153.6	132.9
-57.5°	278.8	251.6	232.5	211.7	189.3	175.8	166.2	156.1	140.1	121.5	103.5
-60°	198.3	182.6	175.8	168.7	161.0	152.3	137.7	122.2	105.9	95.5	84.8
-62.5°	161.6	156.3	148.4	137.7	126.0	113.5	102.3	93.9	84.9	76.3	73.1
-65°	122.7	114.7	105.9	99.9	93.6	86.9	79.6	75.1	72.4	69.6	66.2
-67.5°	89.1	84.8	80.1	76.1	74.2	72.2	70.1	67.8	63.6	58.6	53.3
-70°	71.9	70.6	69.2	67.7	65.0	61.5	57.7	53.6	49.4	46.4	44.0
-72.5°	58.8	56.6	54.2	51.5	48.6	46.7	45.1	43.3	41.4	39.5	37.5
-75°	44.4	43.4	42.4	41.3	40.0	38.7	37.3	35.8	34.3	32.6	30.9
-77.5°	35.4	34.6	33.8	32.9	31.9	30.8	29.6	28.4	27.0	25.7	24.2
-80°	26.5	25.9	25.2	24.4	23.6	22.7	21.8	20.8	19.8	18.6	17.5
-82.5°	17.5	17.0	16.5	15.9	15.3	14.7	14.0	13.2	12.4	11.6	10.7
-85°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-87.5°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
-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: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

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°	6.5	6.2	5.8	5.5	5.2	4.8	4.4	4.1	3.7	3.3	2.9
85°	9.6	9.6	9.6	9.6	9.6	9.6	8.9	8.1	7.3	6.6	5.8
82.5°	9.8	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.6
80°	16.3	15.0	13.7	12.4	11.0	9.6	9.6	9.6	9.6	9.6	9.6
77.5°	22.7	21.1	19.5	17.8	16.0	14.3	12.4	10.6	9.6	9.6	9.6
75°	29.1	27.2	25.2	23.2	21.1	19.0	16.8	14.5	12.2	9.9	9.6
72.5°	35.3	33.2	30.9	28.5	26.1	23.6	21.0	18.4	15.8	13.1	10.3
70°	41.6	39.1	36.5	33.8	31.0	28.2	25.3	22.3	19.3	16.2	13.1
67.5°	47.8	45.0	42.0	39.0	35.9	32.7	29.5	26.1	22.7	19.3	15.8
65°	60.1	53.8	47.5	44.2	40.7	37.2	33.6	29.9	26.1	22.3	18.4
62.5°	69.7	65.3	58.1	50.6	45.5	41.6	37.6	33.6	29.5	25.3	21.0
60°	75.7	71.9	67.9	60.7	52.4	45.9	41.6	37.2	32.7	28.2	23.6
57.5°	91.5	79.1	73.2	68.8	61.6	52.4	45.5	40.7	35.9	31.0	26.1
55°	111.2	95.5	81.7	73.7	68.8	60.7	50.6	44.2	39.0	33.8	28.5
52.5°	139.7	115.8	96.9	81.7	73.2	67.9	58.1	47.5	42.0	36.5	30.9
50°	161.9	142.0	115.8	95.5	79.1	71.9	65.3	53.8	45.0	39.1	33.2
47.5°	178.2	161.9	139.7	111.2	91.5	75.7	69.7	60.1	47.8	41.6	35.3
45°	214.0	176.8	159.1	132.9	103.5	84.8	73.1	66.2	53.3	44.0	37.5
42.5°	255.0	206.4	172.6	153.6	121.5	95.5	76.3	69.6	58.6	46.4	39.5
40°	330.5	243.5	191.3	165.7	140.1	105.9	84.9	72.4	63.6	49.4	41.4
37.5°	406.7	299.4	224.5	177.2	156.1	122.2	93.9	75.1	67.8	53.6	43.3
35°	509.4	367.6	256.2	198.3	166.2	137.7	102.3	79.6	70.1	57.7	45.1
32.5°	609.4	441.2	313.6	226.1	175.8	152.3	113.5	86.9	72.2	61.5	46.7
30°	694.8	529.2	370.3	252.3	189.3	161.0	126.0	93.6	74.2	65.0	48.6
27.5°	772.1	611.7	428.3	294.6	211.7	168.7	137.7	99.9	76.1	67.7	51.5
25°	832.3	681.2	499.2	339.9	232.5	175.8	148.4	105.9	80.1	69.2	54.2
22.5°	858.9	742.6	564.3	381.5	251.6	182.6	156.3	114.7	84.8	70.6	56.6
20°	883.1	798.3	623.4	422.3	278.8	198.3	161.6	122.7	89.1	71.9	58.8
17.5°	900.3	834.0	670.5	470.7	309.5	212.3	166.4	129.8	92.9	73.0	60.7
15°	895.6	851.5	710.7	513.2	336.4	224.5	170.5	136.0	96.2	74.0	62.4
12.5°	891.5	866.5	745.1	549.4	359.4	234.9	174.1	141.3	99.0	74.8	63.8
10°	888.1	878.9	773.5	579.2	378.3	243.5	177.0	145.6	101.4	75.5	65.0
7.5°	885.4	888.6	795.7	602.6	393.1	250.2	179.3	149.0	103.2	76.0	65.9
5°	883.5	895.6	811.7	619.3	403.7	255.0	180.9	151.5	104.5	76.4	66.6
2.5°	882.4	899.8	821.3	629.4	410.1	257.9	181.9	152.9	105.2	76.6	67.0
0°	882.0	901.2	824.5	632.8	412.2	258.9	182.2	153.4	105.5	76.7	67.1
-2.5°	882.4	899.8	821.3	629.4	410.1	257.9	181.9	152.9	105.2	76.6	67.0
-5°	883.5	895.6	811.7	619.3	403.7	255.0	180.9	151.5	104.5	76.4	66.6
-7.5°	885.4	888.6	795.7	602.6	393.1	250.2	179.3	149.0	103.2	76.0	65.9
-10°	888.1	878.9	773.5	579.2	378.3	243.5	177.0	145.6	101.4	75.5	65.0
-12.5°	891.5	866.5	745.1	549.4	359.4	234.9	174.1	141.3	99.0	74.8	63.8
-15°	895.6	851.5	710.7	513.2	336.4	224.5	170.5	136.0	96.2	74.0	62.4
-17.5°	900.3	834.0	670.5	470.7	309.5	212.3	166.4	129.8	92.9	73.0	60.7
-20°	883.1	798.3	623.4	422.3	278.8	198.3	161.6	122.7	89.1	71.9	58.8



REPORT NUMBER: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	858.9	742.6	564.3	381.5	251.6	182.6	156.3	114.7	84.8	70.6	56.6
-25°	832.3	681.2	499.2	339.9	232.5	175.8	148.4	105.9	80.1	69.2	54.2
-27.5°	772.1	611.7	428.3	294.6	211.7	168.7	137.7	99.9	76.1	67.7	51.5
-30°	694.8	529.2	370.3	252.3	189.3	161.0	126.0	93.6	74.2	65.0	48.6
-32.5°	609.4	441.2	313.6	226.1	175.8	152.3	113.5	86.9	72.2	61.5	46.7
-35°	509.4	367.6	256.2	198.3	166.2	137.7	102.3	79.6	70.1	57.7	45.1
-37.5°	406.7	299.4	224.5	177.2	156.1	122.2	93.9	75.1	67.8	53.6	43.3
-40°	330.5	243.5	191.3	165.7	140.1	105.9	84.9	72.4	63.6	49.4	41.4
-42.5°	255.0	206.4	172.6	153.6	121.5	95.5	76.3	69.6	58.6	46.4	39.5
-45°	214.0	176.8	159.1	132.9	103.5	84.8	73.1	66.2	53.3	44.0	37.5
-47.5°	178.2	161.9	139.7	111.2	91.5	75.7	69.7	60.1	47.8	41.6	35.3
-50°	161.9	142.0	115.8	95.5	79.1	71.9	65.3	53.8	45.0	39.1	33.2
-52.5°	139.7	115.8	96.9	81.7	73.2	67.9	58.1	47.5	42.0	36.5	30.9
-55°	111.2	95.5	81.7	73.7	68.8	60.7	50.6	44.2	39.0	33.8	28.5
-57.5°	91.5	79.1	73.2	68.8	61.6	52.4	45.5	40.7	35.9	31.0	26.1
-60°	75.7	71.9	67.9	60.7	52.4	45.9	41.6	37.2	32.7	28.2	23.6
-62.5°	69.7	65.3	58.1	50.6	45.5	41.6	37.6	33.6	29.5	25.3	21.0
-65°	60.1	53.8	47.5	44.2	40.7	37.2	33.6	29.9	26.1	22.3	18.4
-67.5°	47.8	45.0	42.0	39.0	35.9	32.7	29.5	26.1	22.7	19.3	15.8
-70°	41.6	39.1	36.5	33.8	31.0	28.2	25.3	22.3	19.3	16.2	13.1
-72.5°	35.3	33.2	30.9	28.5	26.1	23.6	21.0	18.4	15.8	13.1	10.3
-75°	29.1	27.2	25.2	23.2	21.1	19.0	16.8	14.5	12.2	9.9	9.6
-77.5°	22.7	21.1	19.5	17.8	16.0	14.3	12.4	10.6	9.6	9.6	9.6
-80°	16.3	15.0	13.7	12.4	11.0	9.6	9.6	9.6	9.6	9.6	9.6
-82.5°	9.8	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.6
-85°	9.6	9.6	9.6	9.6	9.6	9.6	8.9	8.1	7.3	6.6	5.8
-87.5°	6.5	6.2	5.8	5.5	5.2	4.8	4.4	4.1	3.7	3.3	2.9
-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: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

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°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
85°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
82.5°	7.4	6.2	5.0	3.7	2.5	1.3	0.0
80°	9.6	8.3	6.6	5.0	3.3	1.7	0.0
77.5°	9.6	9.6	8.3	6.2	4.2	2.1	0.0
75°	9.6	9.6	9.6	7.4	5.0	2.5	0.0
72.5°	9.6	9.6	9.6	8.6	5.8	2.9	0.0
70°	9.9	9.6	9.6	9.6	6.6	3.3	0.0
67.5°	12.2	9.6	9.6	9.6	7.3	3.7	0.0
65°	14.5	10.6	9.6	9.6	8.1	4.1	0.0
62.5°	16.8	12.4	9.6	9.6	8.9	4.4	0.0
60°	19.0	14.3	9.6	9.6	9.6	4.8	0.0
57.5°	21.1	16.0	11.0	9.6	9.6	5.2	0.0
55°	23.2	17.8	12.4	9.6	9.6	5.5	0.0
52.5°	25.2	19.5	13.7	9.6	9.6	5.8	0.0
50°	27.2	21.1	15.0	9.6	9.6	6.2	0.0
47.5°	29.1	22.7	16.3	9.8	9.6	6.5	0.0
45°	30.9	24.2	17.5	10.7	9.6	6.8	0.0
42.5°	32.6	25.7	18.6	11.6	9.6	7.1	0.0
40°	34.3	27.0	19.8	12.4	9.6	7.4	0.0
37.5°	35.8	28.4	20.8	13.2	9.6	7.6	0.0
35°	37.3	29.6	21.8	14.0	9.6	7.9	0.0
32.5°	38.7	30.8	22.7	14.7	9.6	8.1	0.0
30°	40.0	31.9	23.6	15.3	9.6	8.3	0.0
27.5°	41.3	32.9	24.4	15.9	9.6	8.5	0.0
25°	42.4	33.8	25.2	16.5	9.6	8.7	0.0
22.5°	43.4	34.6	25.9	17.0	9.6	8.9	0.0
20°	44.4	35.4	26.5	17.5	9.6	9.0	0.0
17.5°	45.2	36.1	27.0	17.9	9.6	9.2	0.0
15°	45.9	36.7	27.5	18.2	9.6	9.3	0.0
12.5°	46.5	37.2	27.9	18.5	9.6	9.4	0.0
10°	47.0	37.6	28.2	18.8	9.6	9.5	0.0
7.5°	47.4	37.9	28.5	19.0	9.6	9.5	0.0
5°	47.7	38.1	28.7	19.1	9.6	9.6	0.0
2.5°	47.8	38.3	28.8	19.2	9.6	9.6	0.0
0°	47.9	38.3	28.8	19.2	9.6	9.6	0.0
-2.5°	47.8	38.3	28.8	19.2	9.6	9.6	0.0
-5°	47.7	38.1	28.7	19.1	9.6	9.6	0.0
-7.5°	47.4	37.9	28.5	19.0	9.6	9.5	0.0
-10°	47.0	37.6	28.2	18.8	9.6	9.5	0.0
-12.5°	46.5	37.2	27.9	18.5	9.6	9.4	0.0
-15°	45.9	36.7	27.5	18.2	9.6	9.3	0.0
-17.5°	45.2	36.1	27.0	17.9	9.6	9.2	0.0
-20°	44.4	35.4	26.5	17.5	9.6	9.0	0.0



REPORT NUMBER: P700004 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	43.4	34.6	25.9	17.0	9.6	8.9	0.0
-25°	42.4	33.8	25.2	16.5	9.6	8.7	0.0
-27.5°	41.3	32.9	24.4	15.9	9.6	8.5	0.0
-30°	40.0	31.9	23.6	15.3	9.6	8.3	0.0
-32.5°	38.7	30.8	22.7	14.7	9.6	8.1	0.0
-35°	37.3	29.6	21.8	14.0	9.6	7.9	0.0
-37.5°	35.8	28.4	20.8	13.2	9.6	7.6	0.0
-40°	34.3	27.0	19.8	12.4	9.6	7.4	0.0
-42.5°	32.6	25.7	18.6	11.6	9.6	7.1	0.0
-45°	30.9	24.2	17.5	10.7	9.6	6.8	0.0
-47.5°	29.1	22.7	16.3	9.8	9.6	6.5	0.0
-50°	27.2	21.1	15.0	9.6	9.6	6.2	0.0
-52.5°	25.2	19.5	13.7	9.6	9.6	5.8	0.0
-55°	23.2	17.8	12.4	9.6	9.6	5.5	0.0
-57.5°	21.1	16.0	11.0	9.6	9.6	5.2	0.0
-60°	19.0	14.3	9.6	9.6	9.6	4.8	0.0
-62.5°	16.8	12.4	9.6	9.6	8.9	4.4	0.0
-65°	14.5	10.6	9.6	9.6	8.1	4.1	0.0
-67.5°	12.2	9.6	9.6	9.6	7.3	3.7	0.0
-70°	9.9	9.6	9.6	9.6	6.6	3.3	0.0
-72.5°	9.6	9.6	9.6	8.6	5.8	2.9	0.0
-75°	9.6	9.6	9.6	7.4	5.0	2.5	0.0
-77.5°	9.6	9.6	8.3	6.2	4.2	2.1	0.0
-80°	9.6	8.3	6.6	5.0	3.3	1.7	0.0
-82.5°	7.4	6.2	5.0	3.7	2.5	1.3	0.0
-85°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
-87.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)