

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: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-70-5R-A**

Issue Date: 2/3/2026

Test Information

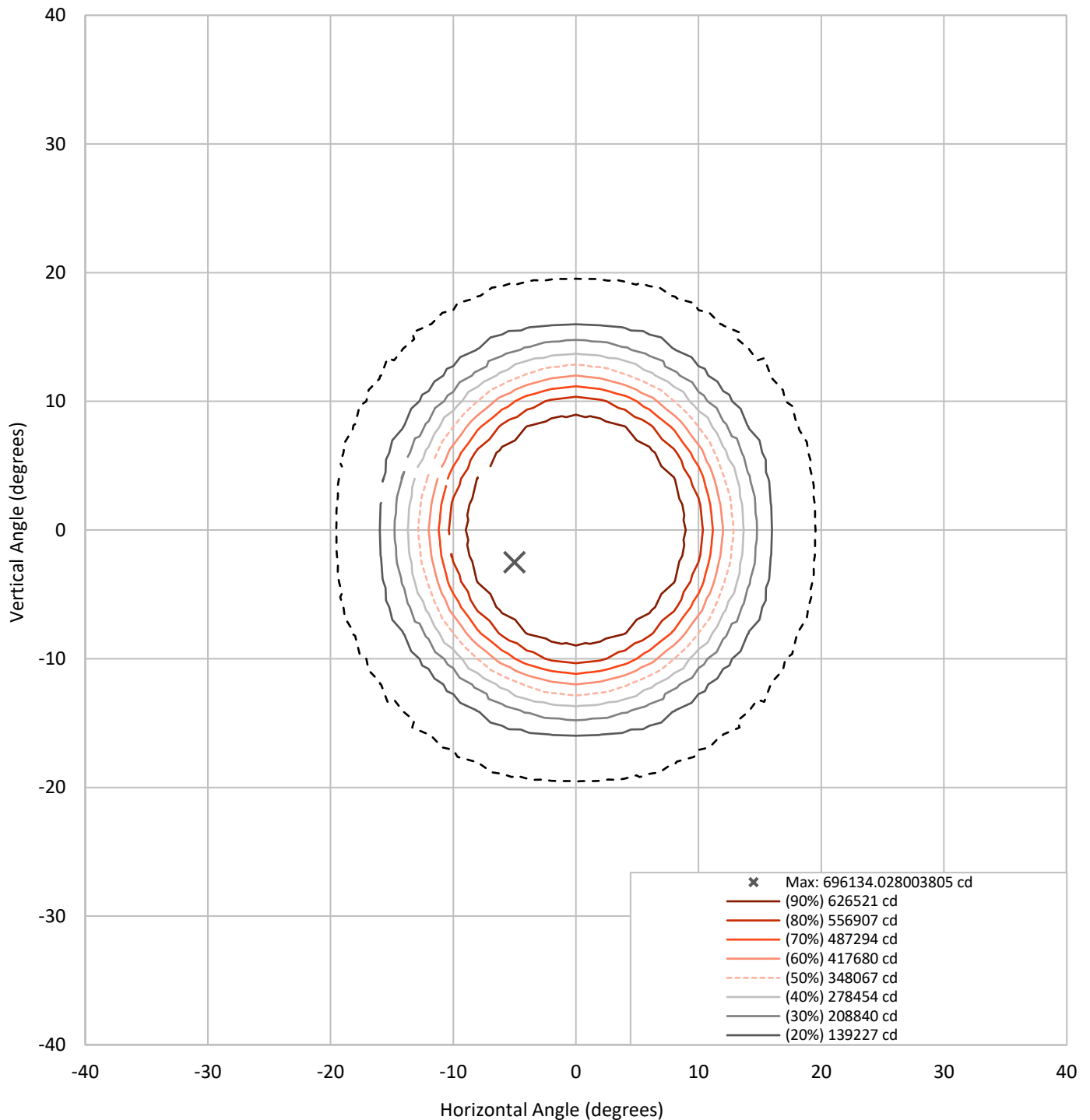
Test Method: LM-79-08
Report Number: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-51)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-40-70-5R-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 CRI LEDS AND 5R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	167437.7 lumens	Max Intensity:	696134 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	129.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	25.1°H x 23.6°V	Field Angle (10%):	38.9°H x 38.4°V
Beam Lumens:	89135.8 lumens	Field Lumens:	124144.9 lumens
Beam Efficiency:	53.2%	Field Efficiency:	74.1%
Input Watts (W):	1290		
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: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

Iso-Candela Plot





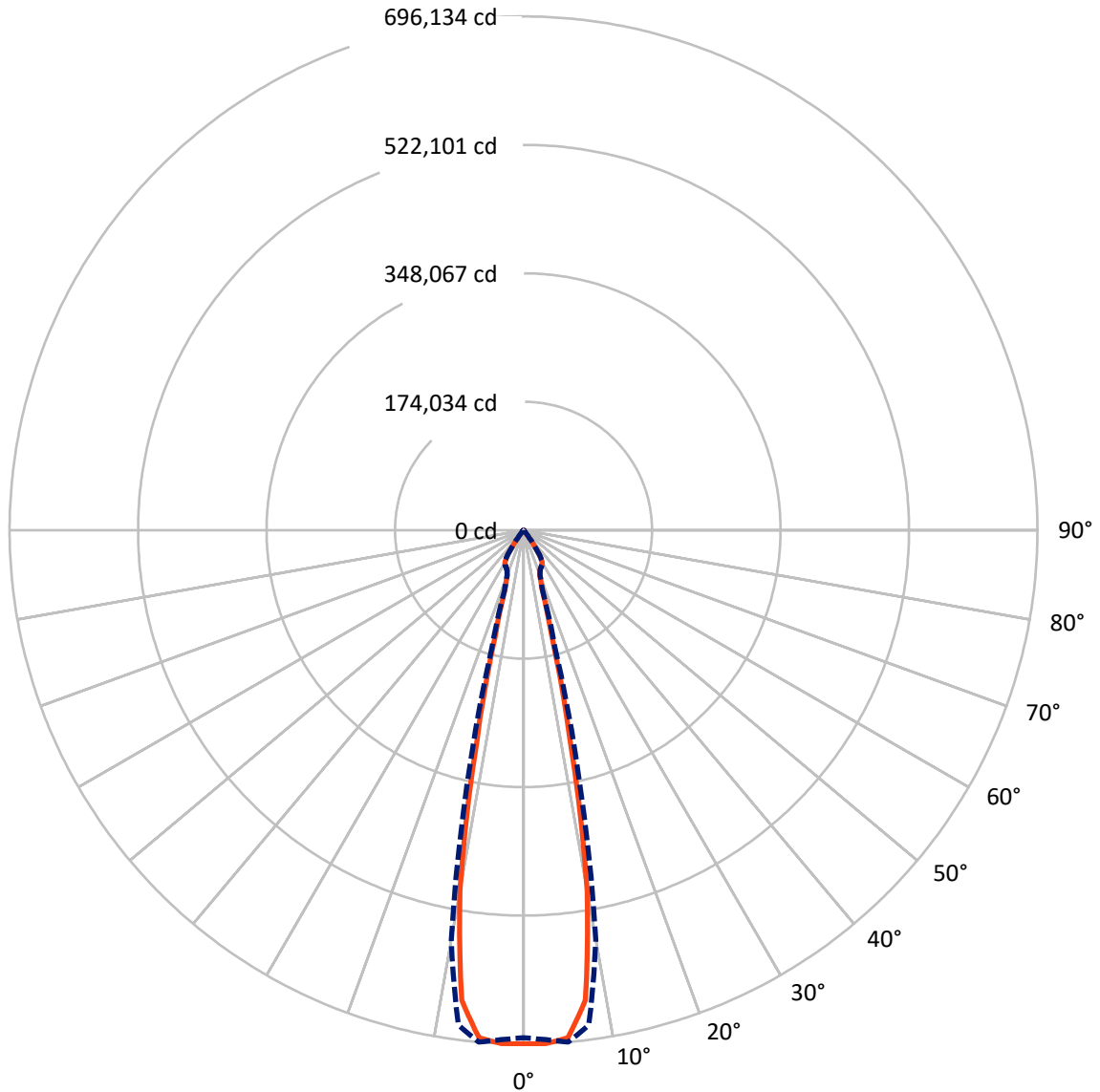
REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

Lumen Table

90	0.1	0.8		2.2		3.7		4.4		3.7		2.2		0.8		0.1
80	0.1	0.8		2.2		3.7		4.4		3.7		2.2		0.8		0.1
70	0.4	0.4	0.9	1.6	2.4	3.1	3.8	4.1	4.1	3.8	3.1	2.4	1.6	0.9	0.4	0.4
60		0.7	1.6	2.7	4.4	7.4	11.3	13.9	13.9	11.3	7.4	4.4	2.7	1.6	0.7	
50	0.7	1.0	2.2	4.8	12.2	22.0	30.3	38.4	38.4	30.3	22.0	12.2	4.8	2.2	1.0	0.7
40		1.3	3.1	10.6	23.7	88.5	419.0	754.9	754.9	419.0	88.5	23.7	10.6	3.1	1.3	
30	1.0	1.5	4.8	17.3	80.8	756.4	1471.2	1694.2	1694.2	1471.2	756.4	80.8	17.3	4.8	1.5	1.0
20		1.7	6.9	22.4	362.8	1382.4	2109.5	5740.1	5740.1	2109.5	1382.4	362.8	22.4	6.9	1.7	
10	1.1	1.8	8.2	27.6	633.3	1543.3	5602.5	18908.5	18908.5	5602.5	1543.3	633.3	27.6	8.2	1.8	1.1
0		1.8	8.2	27.6	633.3	1543.3	5602.5	18908.5	18908.5	5602.5	1543.3	633.3	27.6	8.2	1.8	
-10	1.0	1.7	6.9	22.4	362.8	1382.4	2109.5	5740.1	5740.1	2109.5	1382.4	362.8	22.4	6.9	1.7	1.0
-20		1.5	4.8	17.3	80.8	756.4	1471.2	1694.2	1694.2	1471.2	756.4	80.8	17.3	4.8	1.5	
-30	0.7	1.3	3.1	10.6	23.7	88.5	419.0	754.9	754.9	419.0	88.5	23.7	10.6	3.1	1.3	0.7
-40		1.0	2.2	4.8	12.2	22.0	30.3	38.4	38.4	30.3	22.0	12.2	4.8	2.2	1.0	
-50	0.4	0.7	1.6	2.7	4.4	7.4	11.3	13.9	13.9	11.3	7.4	4.4	2.7	1.6	0.7	0.4
-60		0.4	0.9	1.6	2.4	3.1	3.8	4.1	4.1	3.8	3.1	2.4	1.6	0.9	0.4	
-70	0.1	0.8		2.2		3.7		4.4		3.7		2.2		0.8		0.1
-80		0.8		2.2		3.7		4.4		3.7		2.2		0.8		
-90	0.1	0.8		2.2		3.7		4.4		3.7		2.2		0.8		0.1

REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

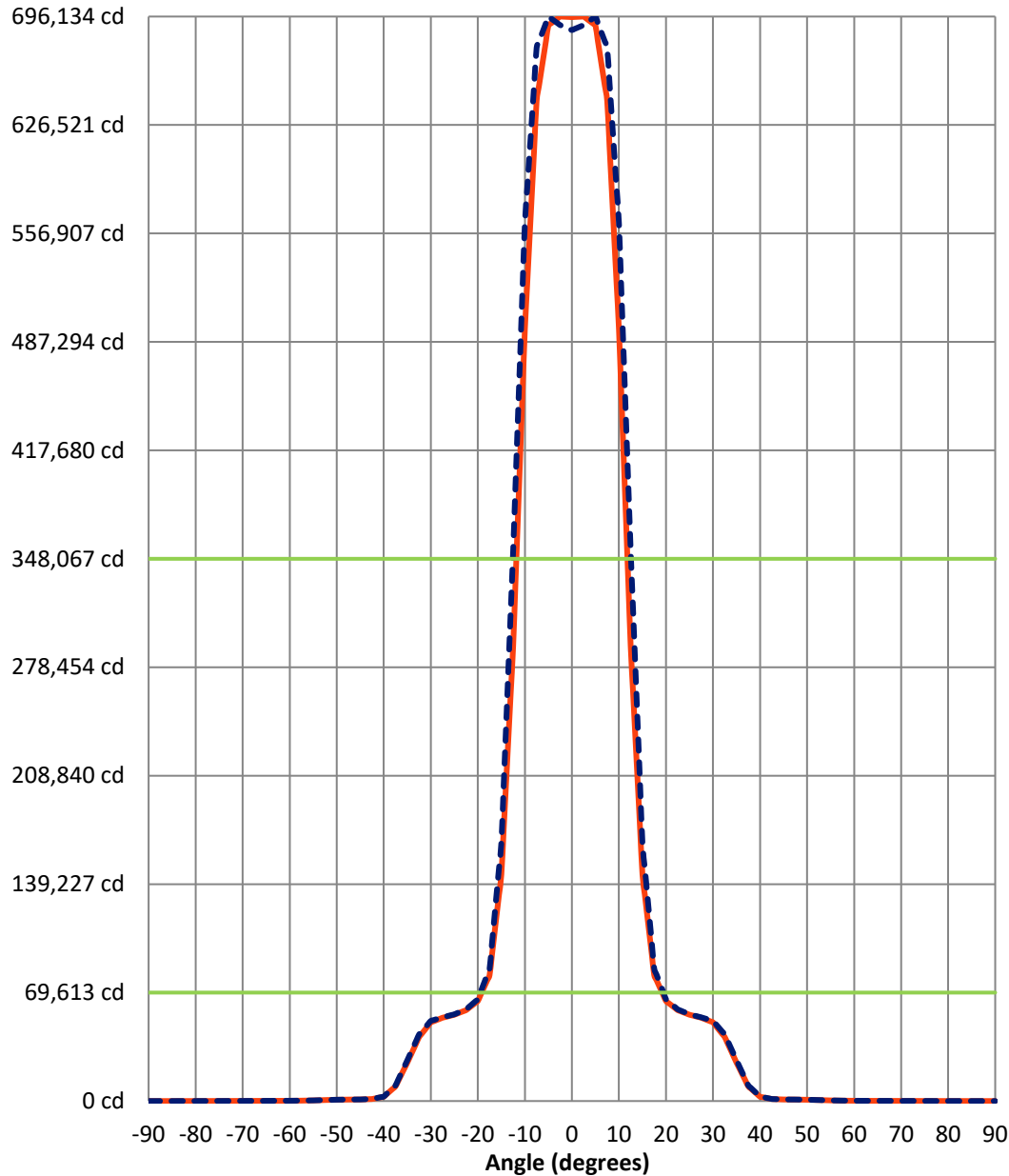
Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg - - - Horizontal Distribution Through -2.5-Deg

REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

Luminous Intensity Plot



Beam:
 H Angle: 25.1°
 V Angle: 23.6°
 Lumens: 89135.8
 Efficiency: 53.2%

Field:
 H Angle: 38.9°
 V Angle: 38.4°
 Lumens: 124144.9
 Efficiency: 74.1%

Spill:
 Lumens: 43292.8
 Efficiency: 25.9%

- Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-Deg

REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

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	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.5	7.2
80°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
77.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.7	10.8	12.2
75°	0.0	1.5	2.9	4.4	5.9	7.3	8.8	10.2	11.7	13.7	15.8
72.5°	0.0	1.7	3.4	5.1	6.8	8.5	10.2	12.0	14.5	16.9	19.2
70°	0.0	1.9	3.9	5.8	7.8	9.7	11.7	14.5	17.2	20.0	23.3
67.5°	0.0	2.2	4.4	6.5	8.7	10.8	13.7	16.9	20.0	23.7	27.4
65°	0.0	2.4	4.8	7.2	9.6	12.2	15.8	19.2	23.3	27.4	31.7
62.5°	0.0	2.6	5.3	7.9	10.5	13.9	17.7	21.9	26.5	31.2	36.5
60°	0.0	2.8	5.7	8.5	11.4	15.5	19.7	24.7	29.7	35.4	41.1
57.5°	0.0	3.1	6.1	9.2	12.6	17.1	22.0	27.4	33.2	39.5	46.1
55°	0.0	3.3	6.5	9.8	13.8	18.6	24.2	30.0	36.8	43.6	51.3
52.5°	0.0	3.5	6.9	10.4	15.0	20.2	26.4	33.0	40.2	48.1	56.3
50°	0.0	3.7	7.3	11.0	16.2	22.0	28.5	35.9	43.7	52.5	63.2
47.5°	0.0	3.9	7.7	11.6	17.3	23.7	30.6	38.8	47.5	56.7	70.1
45°	0.0	4.0	8.1	12.4	18.4	25.3	33.0	41.5	51.1	62.7	76.8
42.5°	0.0	4.2	8.4	13.2	19.4	26.9	35.2	44.4	54.6	68.4	81.9
40°	0.0	4.4	8.7	13.9	20.5	28.4	37.4	47.2	58.4	73.9	86.6
37.5°	0.0	4.5	9.0	14.6	21.6	29.8	39.4	50.0	63.0	78.8	91.2
35°	0.0	4.7	9.3	15.3	22.7	31.3	41.3	52.6	67.4	82.7	95.6
32.5°	0.0	4.8	9.6	15.9	23.7	32.8	43.2	55.0	71.6	86.3	100.1
30°	0.0	4.9	9.9	16.5	24.7	34.3	45.2	57.6	75.4	89.6	104.4
27.5°	0.0	5.1	10.1	17.0	25.6	35.6	47.0	60.7	78.7	92.8	108.3
25°	0.0	5.2	10.3	17.5	26.4	36.8	48.7	63.6	81.3	95.9	112.0
22.5°	0.0	5.3	10.5	17.9	27.1	37.9	50.2	66.2	83.6	98.9	115.8
20°	0.0	5.4	10.7	18.4	27.8	38.8	51.6	68.6	85.7	101.5	119.3
17.5°	0.0	5.4	10.9	18.7	28.4	39.7	52.8	70.7	87.6	103.9	122.4
15°	0.0	5.5	11.0	19.0	28.9	40.5	53.8	72.6	89.2	106.0	125.1
12.5°	0.0	5.6	11.1	19.3	29.3	41.1	54.7	74.1	90.6	107.8	127.3
10°	0.0	5.6	11.2	19.5	29.7	41.7	55.5	75.4	91.8	109.2	129.2
7.5°	0.0	5.7	11.3	19.7	29.9	42.1	56.1	76.4	92.7	110.3	130.7
5°	0.0	5.7	11.4	19.8	30.1	42.4	56.5	77.1	93.3	111.1	131.8
2.5°	0.0	5.7	11.4	19.9	30.3	42.5	56.7	77.6	93.7	111.6	132.4
0°	0.0	5.7	11.4	19.9	30.3	42.6	56.8	77.7	93.8	111.8	132.6
-2.5°	0.0	5.7	11.4	19.9	30.3	42.6	56.8	77.7	93.8	111.8	132.6
-5°	0.0	5.7	11.4	19.8	30.1	42.4	56.5	77.1	93.3	111.1	131.8
-7.5°	0.0	5.7	11.3	19.7	29.9	42.1	56.1	76.4	92.7	110.3	130.7
-10°	0.0	5.6	11.2	19.5	29.7	41.7	55.5	75.4	91.8	109.2	129.2
-12.5°	0.0	5.6	11.1	19.3	29.3	41.1	54.7	74.1	90.6	107.8	127.3
-15°	0.0	5.5	11.0	19.0	28.9	40.5	53.8	72.6	89.2	106.0	125.1
-17.5°	0.0	5.4	10.9	18.7	28.4	39.7	52.8	70.7	87.6	103.9	122.4
-20°	0.0	5.4	10.7	18.4	27.8	38.8	51.6	68.6	85.7	101.5	119.3



REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.3	10.5	17.9	27.1	37.9	50.2	66.2	83.6	98.9	115.8
-25°	0.0	5.2	10.3	17.5	26.4	36.8	48.7	63.6	81.3	95.9	112.0
-27.5°	0.0	5.1	10.1	17.0	25.6	35.6	47.0	60.7	78.7	92.8	108.3
-30°	0.0	4.9	9.9	16.5	24.7	34.3	45.2	57.6	75.4	89.6	104.4
-32.5°	0.0	4.8	9.6	15.9	23.7	32.8	43.2	55.0	71.6	86.3	100.1
-35°	0.0	4.7	9.3	15.3	22.7	31.3	41.3	52.6	67.4	82.7	95.6
-37.5°	0.0	4.5	9.0	14.6	21.6	29.8	39.4	50.0	63.0	78.8	91.2
-40°	0.0	4.4	8.7	13.9	20.5	28.4	37.4	47.2	58.4	73.9	86.6
-42.5°	0.0	4.2	8.4	13.2	19.4	26.9	35.2	44.4	54.6	68.4	81.9
-45°	0.0	4.0	8.1	12.4	18.4	25.3	33.0	41.5	51.1	62.7	76.8
-47.5°	0.0	3.9	7.7	11.6	17.3	23.7	30.6	38.8	47.5	56.7	70.1
-50°	0.0	3.7	7.3	11.0	16.2	22.0	28.5	35.9	43.7	52.5	63.2
-52.5°	0.0	3.5	6.9	10.4	15.0	20.2	26.4	33.0	40.2	48.1	56.3
-55°	0.0	3.3	6.5	9.8	13.8	18.6	24.2	30.0	36.8	43.6	51.3
-57.5°	0.0	3.1	6.1	9.2	12.6	17.1	22.0	27.4	33.2	39.5	46.1
-60°	0.0	2.8	5.7	8.5	11.4	15.5	19.7	24.7	29.7	35.4	41.1
-62.5°	0.0	2.6	5.3	7.9	10.5	13.9	17.7	21.9	26.5	31.2	36.5
-65°	0.0	2.4	4.8	7.2	9.6	12.2	15.8	19.2	23.3	27.4	31.7
-67.5°	0.0	2.2	4.4	6.5	8.7	10.8	13.7	16.9	20.0	23.7	27.4
-70°	0.0	1.9	3.9	5.8	7.8	9.7	11.7	14.5	17.2	20.0	23.3
-72.5°	0.0	1.7	3.4	5.1	6.8	8.5	10.2	12.0	14.5	16.9	19.2
-75°	0.0	1.5	2.9	4.4	5.9	7.3	8.8	10.2	11.7	13.7	15.8
-77.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.7	10.8	12.2
-80°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
-82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.5	7.2
-85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-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: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

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°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
85°	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.4	8.7	9.0
82.5°	7.9	8.5	9.2	9.8	10.4	11.0	11.6	12.4	13.2	13.9	14.6
80°	10.5	11.4	12.6	13.8	15.0	16.2	17.3	18.4	19.4	20.5	21.6
77.5°	13.9	15.5	17.1	18.6	20.2	22.0	23.7	25.3	26.9	28.4	29.8
75°	17.7	19.7	22.0	24.2	26.4	28.5	30.6	33.0	35.2	37.4	39.4
72.5°	21.9	24.7	27.4	30.0	33.0	35.9	38.8	41.5	44.4	47.2	50.0
70°	26.5	29.7	33.2	36.8	40.2	43.7	47.5	51.1	54.6	58.4	63.0
67.5°	31.2	35.4	39.5	43.6	48.1	52.5	56.7	62.7	68.4	73.9	78.8
65°	36.5	41.1	46.1	51.3	56.3	63.2	70.1	76.8	81.9	86.6	91.2
62.5°	41.7	47.4	53.2	59.8	67.9	75.7	82.1	87.7	93.2	98.9	104.5
60°	47.4	53.8	61.7	70.7	79.1	85.7	92.1	98.9	105.5	112.0	119.0
57.5°	53.2	61.7	71.7	80.6	88.0	95.3	103.0	110.6	118.8	126.8	135.1
55°	59.8	70.7	80.6	88.7	96.9	105.6	114.3	123.7	132.8	144.3	155.3
52.5°	67.9	79.1	88.0	96.9	106.4	116.3	126.6	138.1	151.0	164.4	180.0
50°	75.7	85.7	95.3	105.6	116.3	127.6	140.7	155.0	171.5	188.9	217.9
47.5°	82.1	92.1	103.0	114.3	126.6	140.7	156.3	175.0	194.3	234.6	275.6
45°	87.7	98.9	110.6	123.7	138.1	155.0	175.0	196.1	243.0	295.4	370.8
42.5°	93.2	105.5	118.8	132.8	151.0	171.5	194.3	243.0	302.8	385.8	496.7
40°	98.9	112.0	126.8	144.3	164.4	188.9	234.6	295.4	385.8	509.6	652.3
37.5°	104.5	119.0	135.1	155.3	180.0	217.9	275.6	370.8	496.7	652.3	779.8
35°	109.8	125.8	144.8	167.7	194.8	254.5	341.1	458.4	626.1	768.6	883.6
32.5°	115.3	132.1	154.0	180.7	225.5	297.2	405.6	574.3	735.2	870.5	950.8
30°	120.7	139.8	163.4	193.0	256.0	353.9	497.8	680.2	833.6	930.7	991.8
27.5°	125.8	147.2	174.0	215.3	288.9	407.0	594.1	766.8	897.8	979.9	1018.5
25°	130.4	154.0	183.7	239.7	334.5	480.9	679.7	847.7	947.6	1003.3	1153.2
22.5°	135.4	160.3	192.7	262.0	376.5	557.3	748.9	895.4	982.5	1030.7	1307.2
20°	140.5	167.7	206.8	285.0	414.5	626.7	811.9	934.4	1001.0	1162.2	1797.4
17.5°	145.0	174.2	223.3	316.2	467.6	684.0	864.5	969.5	1017.6	1280.8	2404.4
15°	149.0	180.0	237.8	343.5	517.7	729.7	892.9	985.4	1078.5	1498.0	2999.4
12.5°	152.3	184.9	250.1	366.9	560.5	768.8	917.3	997.0	1161.7	1926.2	5168.9
10°	155.1	188.9	260.3	386.1	595.8	801.1	937.5	1006.7	1230.7	2281.9	6975.5
7.5°	157.3	192.0	268.2	401.1	623.5	826.4	953.3	1014.2	1285.0	2562.2	8401.3
5°	158.9	194.3	273.9	411.9	643.3	844.6	964.7	1019.6	1324.1	2764.3	9431.1
2.5°	159.8	195.6	277.4	418.4	655.3	855.5	971.5	1022.9	1347.7	2886.4	10053.8
0°	160.1	196.1	278.5	420.6	659.3	859.2	973.8	1024.0	1355.6	2927.2	10262.1
-2.5°	159.8	195.6	277.4	418.4	655.3	855.5	971.5	1022.9	1347.7	2886.4	10053.8
-5°	158.9	194.3	273.9	411.9	643.3	844.6	964.7	1019.6	1324.1	2764.3	9431.1
-7.5°	157.3	192.0	268.2	401.1	623.5	826.4	953.3	1014.2	1285.0	2562.2	8401.3
-10°	155.1	188.9	260.3	386.1	595.8	801.1	937.5	1006.7	1230.7	2281.9	6975.5
-12.5°	152.3	184.9	250.1	366.9	560.5	768.8	917.3	997.0	1161.7	1926.2	5168.9
-15°	149.0	180.0	237.8	343.5	517.7	729.7	892.9	985.4	1078.5	1498.0	2999.4
-17.5°	145.0	174.2	223.3	316.2	467.6	684.0	864.5	969.5	1017.6	1280.8	2404.4
-20°	140.5	167.7	206.8	285.0	414.5	626.7	811.9	934.4	1001.0	1162.2	1797.4



REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	135.4	160.3	192.7	262.0	376.5	557.3	748.9	895.4	982.5	1030.7	1307.2
-25°	130.4	154.0	183.7	239.7	334.5	480.9	679.7	847.7	947.6	1003.3	1153.2
-27.5°	125.8	147.2	174.0	215.3	288.9	407.0	594.1	766.8	897.8	979.9	1018.5
-30°	120.7	139.8	163.4	193.0	256.0	353.9	497.8	680.2	833.6	930.7	991.8
-32.5°	115.3	132.1	154.0	180.7	225.5	297.2	405.6	574.3	735.2	870.5	950.8
-35°	109.8	125.8	144.8	167.7	194.8	254.5	341.1	458.4	626.1	768.6	883.6
-37.5°	104.5	119.0	135.1	155.3	180.0	217.9	275.6	370.8	496.7	652.3	779.8
-40°	98.9	112.0	126.8	144.3	164.4	188.9	234.6	295.4	385.8	509.6	652.3
-42.5°	93.2	105.5	118.8	132.8	151.0	171.5	194.3	243.0	302.8	385.8	496.7
-45°	87.7	98.9	110.6	123.7	138.1	155.0	175.0	196.1	243.0	295.4	370.8
-47.5°	82.1	92.1	103.0	114.3	126.6	140.7	156.3	175.0	194.3	234.6	275.6
-50°	75.7	85.7	95.3	105.6	116.3	127.6	140.7	155.0	171.5	188.9	217.9
-52.5°	67.9	79.1	88.0	96.9	106.4	116.3	126.6	138.1	151.0	164.4	180.0
-55°	59.8	70.7	80.6	88.7	96.9	105.6	114.3	123.7	132.8	144.3	155.3
-57.5°	53.2	61.7	71.7	80.6	88.0	95.3	103.0	110.6	118.8	126.8	135.1
-60°	47.4	53.8	61.7	70.7	79.1	85.7	92.1	98.9	105.5	112.0	119.0
-62.5°	41.7	47.4	53.2	59.8	67.9	75.7	82.1	87.7	93.2	98.9	104.5
-65°	36.5	41.1	46.1	51.3	56.3	63.2	70.1	76.8	81.9	86.6	91.2
-67.5°	31.2	35.4	39.5	43.6	48.1	52.5	56.7	62.7	68.4	73.9	78.8
-70°	26.5	29.7	33.2	36.8	40.2	43.7	47.5	51.1	54.6	58.4	63.0
-72.5°	21.9	24.7	27.4	30.0	33.0	35.9	38.8	41.5	44.4	47.2	50.0
-75°	17.7	19.7	22.0	24.2	26.4	28.5	30.6	33.0	35.2	37.4	39.4
-77.5°	13.9	15.5	17.1	18.6	20.2	22.0	23.7	25.3	26.9	28.4	29.8
-80°	10.5	11.4	12.6	13.8	15.0	16.2	17.3	18.4	19.4	20.5	21.6
-82.5°	7.9	8.5	9.2	9.8	10.4	11.0	11.6	12.4	13.2	13.9	14.6
-85°	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.4	8.7	9.0
-87.5°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
-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: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

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°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
85°	9.3	9.6	9.9	10.1	10.3	10.5	10.7	10.9	11.0	11.1	11.2
82.5°	15.3	15.9	16.5	17.0	17.5	17.9	18.4	18.7	19.0	19.3	19.5
80°	22.7	23.7	24.7	25.6	26.4	27.1	27.8	28.4	28.9	29.3	29.7
77.5°	31.3	32.8	34.3	35.6	36.8	37.9	38.8	39.7	40.5	41.1	41.7
75°	41.3	43.2	45.2	47.0	48.7	50.2	51.6	52.8	53.8	54.7	55.5
72.5°	52.6	55.0	57.6	60.7	63.6	66.2	68.6	70.7	72.6	74.1	75.4
70°	67.4	71.6	75.4	78.7	81.3	83.6	85.7	87.6	89.2	90.6	91.8
67.5°	82.7	86.3	89.6	92.8	95.9	98.9	101.5	103.9	106.0	107.8	109.2
65°	95.6	100.1	104.4	108.3	112.0	115.8	119.3	122.4	125.1	127.3	129.2
62.5°	109.8	115.3	120.7	125.8	130.4	135.4	140.5	145.0	149.0	152.3	155.1
60°	125.8	132.1	139.8	147.2	154.0	160.3	167.7	174.2	180.0	184.9	188.9
57.5°	144.8	154.0	163.4	174.0	183.7	192.7	206.8	223.3	237.8	250.1	260.3
55°	167.7	180.7	193.0	215.3	239.7	262.0	285.0	316.2	343.5	366.9	386.1
52.5°	194.8	225.5	256.0	288.9	334.5	376.5	414.5	467.6	517.7	560.5	595.8
50°	254.5	297.2	353.9	407.0	480.9	557.3	626.7	684.0	729.7	768.8	801.1
47.5°	341.1	405.6	497.8	594.1	679.7	748.9	811.9	864.5	892.9	917.3	937.5
45°	458.4	574.3	680.2	766.8	847.7	895.4	934.4	969.5	985.4	997.0	1006.7
42.5°	626.1	735.2	833.6	897.8	947.6	982.5	1001.0	1017.6	1078.5	1161.7	1230.7
40°	768.6	870.5	930.7	979.9	1003.3	1030.7	1162.2	1280.8	1498.0	1926.2	2281.9
37.5°	883.6	950.8	991.8	1018.5	1153.2	1307.2	1797.4	2404.4	2999.4	5168.9	6975.5
35°	957.5	997.9	1048.8	1236.5	1630.1	2413.4	3899.9	6959.0	9679.9	14236.1	18643.0
32.5°	997.9	1069.3	1278.6	1937.6	2833.6	6408.8	10034.6	17149.5	23752.9	29520.9	34377.4
30°	1048.8	1278.6	2041.1	3485.2	7944.6	14467.2	23197.9	31231.1	38465.4	44050.6	46772.4
27.5°	1236.5	1937.6	3485.2	8461.7	16863.3	26914.3	36392.5	44218.7	48244.7	51776.1	52497.3
25°	1630.1	2833.6	7944.6	16863.3	28179.9	39023.3	46318.5	51144.6	52678.0	53595.8	54358.2
22.5°	2413.4	6408.8	14467.2	26914.3	39023.3	47028.5	51990.7	53230.0	54344.2	55318.5	56401.3
20°	3899.9	10034.6	23197.9	36392.5	46318.5	51990.7	53417.2	54725.7	56014.5	57787.5	59644.5
17.5°	6959.0	17149.5	31231.1	44218.7	51144.6	53230.0	54725.7	56353.4	58506.1	62018.3	65573.1
15°	9679.9	23752.9	38465.4	48244.7	52678.0	54344.2	56014.5	58506.1	62832.5	70481.0	82661.5
12.5°	14236.1	29520.9	44050.6	51776.1	53595.8	55318.5	57787.5	62018.3	70481.0	85619.9	139682.6
10°	18643.0	34377.4	46772.4	52497.3	54358.2	56401.3	59644.5	65573.1	82661.5	139682.6	237683.1
7.5°	22128.8	38229.3	48938.6	53064.2	54965.1	57518.9	62249.7	74129.9	112992.1	205665.3	377704.2
5°	24651.2	41022.9	50513.9	53477.8	55410.1	58342.9	64185.1	80880.2	145361.8	291668.0	495360.9
2.5°	26178.0	42716.6	51470.8	53729.7	55681.9	58848.4	65379.4	85079.7	165742.7	353000.5	563557.3
0°	26689.3	43284.1	51791.8	53814.3	55773.3	59018.8	65783.4	86506.6	172714.8	375578.5	586896.7
-2.5°	26178.0	42716.6	51470.8	53729.7	55681.9	58848.4	65379.4	85079.7	165742.7	353000.5	563557.3
-5°	24651.2	41022.9	50513.9	53477.8	55410.1	58342.9	64185.1	80880.2	145361.8	291668.0	495360.9
-7.5°	22128.8	38229.3	48938.6	53064.2	54965.1	57518.9	62249.7	74129.9	112992.1	205665.3	377704.2
-10°	18643.0	34377.4	46772.4	52497.3	54358.2	56401.3	59644.5	65573.1	82661.5	139682.6	237683.1
-12.5°	14236.1	29520.9	44050.6	51776.1	53595.8	55318.5	57787.5	62018.3	70481.0	85619.9	139682.6
-15°	9679.9	23752.9	38465.4	48244.7	52678.0	54344.2	56014.5	58506.1	62832.5	70481.0	82661.5
-17.5°	6959.0	17149.5	31231.1	44218.7	51144.6	53230.0	54725.7	56353.4	58506.1	62018.3	65573.1
-20°	3899.9	10034.6	23197.9	36392.5	46318.5	51990.7	53417.2	54725.7	56014.5	57787.5	59644.5



REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2413.4	6408.8	14467.2	26914.3	39023.3	47028.5	51990.7	53230.0	54344.2	55318.5	56401.3
-25°	1630.1	2833.6	7944.6	16863.3	28179.9	39023.3	46318.5	51144.6	52678.0	53595.8	54358.2
-27.5°	1236.5	1937.6	3485.2	8461.7	16863.3	26914.3	36392.5	44218.7	48244.7	51776.1	52497.3
-30°	1048.8	1278.6	2041.1	3485.2	7944.6	14467.2	23197.9	31231.1	38465.4	44050.6	46772.4
-32.5°	997.9	1069.3	1278.6	1937.6	2833.6	6408.8	10034.6	17149.5	23752.9	29520.9	34377.4
-35°	957.5	997.9	1048.8	1236.5	1630.1	2413.4	3899.9	6959.0	9679.9	14236.1	18643.0
-37.5°	883.6	950.8	991.8	1018.5	1153.2	1307.2	1797.4	2404.4	2999.4	5168.9	6975.5
-40°	768.6	870.5	930.7	979.9	1003.3	1030.7	1162.2	1280.8	1498.0	1926.2	2281.9
-42.5°	626.1	735.2	833.6	897.8	947.6	982.5	1001.0	1017.6	1078.5	1161.7	1230.7
-45°	458.4	574.3	680.2	766.8	847.7	895.4	934.4	969.5	985.4	997.0	1006.7
-47.5°	341.1	405.6	497.8	594.1	679.7	748.9	811.9	864.5	892.9	917.3	937.5
-50°	254.5	297.2	353.9	407.0	480.9	557.3	626.7	684.0	729.7	768.8	801.1
-52.5°	194.8	225.5	256.0	288.9	334.5	376.5	414.5	467.6	517.7	560.5	595.8
-55°	167.7	180.7	193.0	215.3	239.7	262.0	285.0	316.2	343.5	366.9	386.1
-57.5°	144.8	154.0	163.4	174.0	183.7	192.7	206.8	223.3	237.8	250.1	260.3
-60°	125.8	132.1	139.8	147.2	154.0	160.3	167.7	174.2	180.0	184.9	188.9
-62.5°	109.8	115.3	120.7	125.8	130.4	135.4	140.5	145.0	149.0	152.3	155.1
-65°	95.6	100.1	104.4	108.3	112.0	115.8	119.3	122.4	125.1	127.3	129.2
-67.5°	82.7	86.3	89.6	92.8	95.9	98.9	101.5	103.9	106.0	107.8	109.2
-70°	67.4	71.6	75.4	78.7	81.3	83.6	85.7	87.6	89.2	90.6	91.8
-72.5°	52.6	55.0	57.6	60.7	63.6	66.2	68.6	70.7	72.6	74.1	75.4
-75°	41.3	43.2	45.2	47.0	48.7	50.2	51.6	52.8	53.8	54.7	55.5
-77.5°	31.3	32.8	34.3	35.6	36.8	37.9	38.8	39.7	40.5	41.1	41.7
-80°	22.7	23.7	24.7	25.6	26.4	27.1	27.8	28.4	28.9	29.3	29.7
-82.5°	15.3	15.9	16.5	17.0	17.5	17.9	18.4	18.7	19.0	19.3	19.5
-85°	9.3	9.6	9.9	10.1	10.3	10.5	10.7	10.9	11.0	11.1	11.2
-87.5°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
-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: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
85°	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.1	11.0	10.9
82.5°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.5	19.3	19.0	18.7
80°	29.9	30.1	30.3	30.3	30.3	30.1	29.9	29.7	29.3	28.9	28.4
77.5°	42.1	42.4	42.5	42.6	42.5	42.4	42.1	41.7	41.1	40.5	39.7
75°	56.1	56.5	56.7	56.8	56.7	56.5	56.1	55.5	54.7	53.8	52.8
72.5°	76.4	77.1	77.6	77.7	77.6	77.1	76.4	75.4	74.1	72.6	70.7
70°	92.7	93.3	93.7	93.8	93.7	93.3	92.7	91.8	90.6	89.2	87.6
67.5°	110.3	111.1	111.6	111.8	111.6	111.1	110.3	109.2	107.8	106.0	103.9
65°	130.7	131.8	132.4	132.6	132.4	131.8	130.7	129.2	127.3	125.1	122.4
62.5°	157.3	158.9	159.8	160.1	159.8	158.9	157.3	155.1	152.3	149.0	145.0
60°	192.0	194.3	195.6	196.1	195.6	194.3	192.0	188.9	184.9	180.0	174.2
57.5°	268.2	273.9	277.4	278.5	277.4	273.9	268.2	260.3	250.1	237.8	223.3
55°	401.1	411.9	418.4	420.6	418.4	411.9	401.1	386.1	366.9	343.5	316.2
52.5°	623.5	643.3	655.3	659.3	655.3	643.3	623.5	595.8	560.5	517.7	467.6
50°	826.4	844.6	855.5	859.2	855.5	844.6	826.4	801.1	768.8	729.7	684.0
47.5°	953.3	964.7	971.5	973.8	971.5	964.7	953.3	937.5	917.3	892.9	864.5
45°	1014.2	1019.6	1022.9	1024.0	1022.9	1019.6	1014.2	1006.7	997.0	985.4	969.5
42.5°	1285.0	1324.1	1347.7	1355.6	1347.7	1324.1	1285.0	1230.7	1161.7	1078.5	1017.6
40°	2562.2	2764.3	2886.4	2927.2	2886.4	2764.3	2562.2	2281.9	1926.2	1498.0	1280.8
37.5°	8401.3	9431.1	10053.8	10262.1	10053.8	9431.1	8401.3	6975.5	5168.9	2999.4	2404.4
35°	22128.8	24651.2	26178.0	26689.3	26178.0	24651.2	22128.8	18643.0	14236.1	9679.9	6959.0
32.5°	38229.3	41022.9	42716.6	43284.1	42716.6	41022.9	38229.3	34377.4	29520.9	23752.9	17149.5
30°	48938.6	50513.9	51470.8	51791.8	51470.8	50513.9	48938.6	46772.4	44050.6	38465.4	31231.1
27.5°	53064.2	53477.8	53729.7	53814.3	53729.7	53477.8	53064.2	52497.3	51776.1	48244.7	44218.7
25°	54965.1	55410.1	55681.9	55773.3	55681.9	55410.1	54965.1	54358.2	53595.8	52678.0	51144.6
22.5°	57518.9	58342.9	58848.4	59018.8	58848.4	58342.9	57518.9	56401.3	55318.5	54344.2	53230.0
20°	62249.7	64185.1	65379.4	65783.4	65379.4	64185.1	62249.7	59644.5	57787.5	56014.5	54725.7
17.5°	74129.9	80880.2	85079.7	86506.6	85079.7	80880.2	74129.9	65573.1	62018.3	58506.1	56353.4
15°	112992.1	145361.8	165742.7	172714.8	165742.7	145361.8	112992.1	82661.5	70481.0	62832.5	58506.1
12.5°	205665.3	291668.0	353000.5	375578.5	353000.5	291668.0	205665.3	139682.6	85619.9	70481.0	62018.3
10°	377704.2	495360.9	563557.3	586896.7	563557.3	495360.9	377704.2	237683.1	139682.6	82661.5	65573.1
7.5°	541592.5	642009.1	676159.8	683057.3	676159.8	642009.1	541592.5	377704.2	205665.3	112992.1	74129.9
5°	642009.1	690467.5	696134.0	695758.7	696134.0	690467.5	642009.1	495360.9	291668.0	145361.8	80880.2
2.5°	676159.8	696134.0	690645.5	687463.2	690645.5	696134.0	676159.8	563557.3	353000.5	165742.7	85079.7
0°	683057.3	695758.7	687463.2	685166.9	687463.2	695758.7	683057.3	586896.7	375578.5	172714.8	86506.6
-2.5°	676159.8	696134.0	690645.5	687463.2	690645.5	696134.0	676159.8	563557.3	353000.5	165742.7	85079.7
-5°	642009.1	690467.5	696134.0	695758.7	696134.0	690467.5	642009.1	495360.9	291668.0	145361.8	80880.2
-7.5°	541592.5	642009.1	676159.8	683057.3	676159.8	642009.1	541592.5	377704.2	205665.3	112992.1	74129.9
-10°	377704.2	495360.9	563557.3	586896.7	563557.3	495360.9	377704.2	237683.1	139682.6	82661.5	65573.1
-12.5°	205665.3	291668.0	353000.5	375578.5	353000.5	291668.0	205665.3	139682.6	85619.9	70481.0	62018.3
-15°	112992.1	145361.8	165742.7	172714.8	165742.7	145361.8	112992.1	82661.5	70481.0	62832.5	58506.1
-17.5°	74129.9	80880.2	85079.7	86506.6	85079.7	80880.2	74129.9	65573.1	62018.3	58506.1	56353.4
-20°	62249.7	64185.1	65379.4	65783.4	65379.4	64185.1	62249.7	59644.5	57787.5	56014.5	54725.7



REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	57518.9	58342.9	58848.4	59018.8	58848.4	58342.9	57518.9	56401.3	55318.5	54344.2	53230.0
-25°	54965.1	55410.1	55681.9	55773.3	55681.9	55410.1	54965.1	54358.2	53595.8	52678.0	51144.6
-27.5°	53064.2	53477.8	53729.7	53814.3	53729.7	53477.8	53064.2	52497.3	51776.1	48244.7	44218.7
-30°	48938.6	50513.9	51470.8	51791.8	51470.8	50513.9	48938.6	46772.4	44050.6	38465.4	31231.1
-32.5°	38229.3	41022.9	42716.6	43284.1	42716.6	41022.9	38229.3	34377.4	29520.9	23752.9	17149.5
-35°	22128.8	24651.2	26178.0	26689.3	26178.0	24651.2	22128.8	18643.0	14236.1	9679.9	6959.0
-37.5°	8401.3	9431.1	10053.8	10262.1	10053.8	9431.1	8401.3	6975.5	5168.9	2999.4	2404.4
-40°	2562.2	2764.3	2886.4	2927.2	2886.4	2764.3	2562.2	2281.9	1926.2	1498.0	1280.8
-42.5°	1285.0	1324.1	1347.7	1355.6	1347.7	1324.1	1285.0	1230.7	1161.7	1078.5	1017.6
-45°	1014.2	1019.6	1022.9	1024.0	1022.9	1019.6	1014.2	1006.7	997.0	985.4	969.5
-47.5°	953.3	964.7	971.5	973.8	971.5	964.7	953.3	937.5	917.3	892.9	864.5
-50°	826.4	844.6	855.5	859.2	855.5	844.6	826.4	801.1	768.8	729.7	684.0
-52.5°	623.5	643.3	655.3	659.3	655.3	643.3	623.5	595.8	560.5	517.7	467.6
-55°	401.1	411.9	418.4	420.6	418.4	411.9	401.1	386.1	366.9	343.5	316.2
-57.5°	268.2	273.9	277.4	278.5	277.4	273.9	268.2	260.3	250.1	237.8	223.3
-60°	192.0	194.3	195.6	196.1	195.6	194.3	192.0	188.9	184.9	180.0	174.2
-62.5°	157.3	158.9	159.8	160.1	159.8	158.9	157.3	155.1	152.3	149.0	145.0
-65°	130.7	131.8	132.4	132.6	132.4	131.8	130.7	129.2	127.3	125.1	122.4
-67.5°	110.3	111.1	111.6	111.8	111.6	111.1	110.3	109.2	107.8	106.0	103.9
-70°	92.7	93.3	93.7	93.8	93.7	93.3	92.7	91.8	90.6	89.2	87.6
-72.5°	76.4	77.1	77.6	77.7	77.6	77.1	76.4	75.4	74.1	72.6	70.7
-75°	56.1	56.5	56.7	56.8	56.7	56.5	56.1	55.5	54.7	53.8	52.8
-77.5°	42.1	42.4	42.5	42.6	42.5	42.4	42.1	41.7	41.1	40.5	39.7
-80°	29.9	30.1	30.3	30.3	30.3	30.1	29.9	29.7	29.3	28.9	28.4
-82.5°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.5	19.3	19.0	18.7
-85°	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.1	11.0	10.9
-87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
-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: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

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°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
85°	10.7	10.5	10.3	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1
82.5°	18.4	17.9	17.5	17.0	16.5	15.9	15.3	14.6	13.9	13.2	12.4
80°	27.8	27.1	26.4	25.6	24.7	23.7	22.7	21.6	20.5	19.4	18.4
77.5°	38.8	37.9	36.8	35.6	34.3	32.8	31.3	29.8	28.4	26.9	25.3
75°	51.6	50.2	48.7	47.0	45.2	43.2	41.3	39.4	37.4	35.2	33.0
72.5°	68.6	66.2	63.6	60.7	57.6	55.0	52.6	50.0	47.2	44.4	41.5
70°	85.7	83.6	81.3	78.7	75.4	71.6	67.4	63.0	58.4	54.6	51.1
67.5°	101.5	98.9	95.9	92.8	89.6	86.3	82.7	78.8	73.9	68.4	62.7
65°	119.3	115.8	112.0	108.3	104.4	100.1	95.6	91.2	86.6	81.9	76.8
62.5°	140.5	135.4	130.4	125.8	120.7	115.3	109.8	104.5	98.9	93.2	87.7
60°	167.7	160.3	154.0	147.2	139.8	132.1	125.8	119.0	112.0	105.5	98.9
57.5°	206.8	192.7	183.7	174.0	163.4	154.0	144.8	135.1	126.8	118.8	110.6
55°	285.0	262.0	239.7	215.3	193.0	180.7	167.7	155.3	144.3	132.8	123.7
52.5°	414.5	376.5	334.5	288.9	256.0	225.5	194.8	180.0	164.4	151.0	138.1
50°	626.7	557.3	480.9	407.0	353.9	297.2	254.5	217.9	188.9	171.5	155.0
47.5°	811.9	748.9	679.7	594.1	497.8	405.6	341.1	275.6	234.6	194.3	175.0
45°	934.4	895.4	847.7	766.8	680.2	574.3	458.4	370.8	295.4	243.0	196.1
42.5°	1001.0	982.5	947.6	897.8	833.6	735.2	626.1	496.7	385.8	302.8	243.0
40°	1162.2	1030.7	1003.3	979.9	930.7	870.5	768.6	652.3	509.6	385.8	295.4
37.5°	1797.4	1307.2	1153.2	1018.5	991.8	950.8	883.6	779.8	652.3	496.7	370.8
35°	3899.9	2413.4	1630.1	1236.5	1048.8	997.9	957.5	883.6	768.6	626.1	458.4
32.5°	10034.6	6408.8	2833.6	1937.6	1278.6	1069.3	997.9	950.8	870.5	735.2	574.3
30°	23197.9	14467.2	7944.6	3485.2	2041.1	1278.6	1048.8	991.8	930.7	833.6	680.2
27.5°	36392.5	26914.3	16863.3	8461.7	3485.2	1937.6	1236.5	1018.5	979.9	897.8	766.8
25°	46318.5	39023.3	28179.9	16863.3	7944.6	2833.6	1630.1	1153.2	1003.3	947.6	847.7
22.5°	51990.7	47028.5	39023.3	26914.3	14467.2	6408.8	2413.4	1307.2	1030.7	982.5	895.4
20°	53417.2	51990.7	46318.5	36392.5	23197.9	10034.6	3899.9	1797.4	1162.2	1001.0	934.4
17.5°	54725.7	53230.0	51144.6	44218.7	31231.1	17149.5	6959.0	2404.4	1280.8	1017.6	969.5
15°	56014.5	54344.2	52678.0	48244.7	38465.4	23752.9	9679.9	2999.4	1498.0	1078.5	985.4
12.5°	57787.5	55318.5	53595.8	51776.1	44050.6	29520.9	14236.1	5168.9	1926.2	1161.7	997.0
10°	59644.5	56401.3	54358.2	52497.3	46772.4	34377.4	18643.0	6975.5	2281.9	1230.7	1006.7
7.5°	62249.7	57518.9	54965.1	53064.2	48938.6	38229.3	22128.8	8401.3	2562.2	1285.0	1014.2
5°	64185.1	58342.9	55410.1	53477.8	50513.9	41022.9	24651.2	9431.1	2764.3	1324.1	1019.6
2.5°	65379.4	58848.4	55681.9	53729.7	51470.8	42716.6	26178.0	10053.8	2886.4	1347.7	1022.9
0°	65783.4	59018.8	55773.3	53814.3	51791.8	43284.1	26689.3	10262.1	2927.2	1355.6	1024.0
-2.5°	65379.4	58848.4	55681.9	53729.7	51470.8	42716.6	26178.0	10053.8	2886.4	1347.7	1022.9
-5°	64185.1	58342.9	55410.1	53477.8	50513.9	41022.9	24651.2	9431.1	2764.3	1324.1	1019.6
-7.5°	62249.7	57518.9	54965.1	53064.2	48938.6	38229.3	22128.8	8401.3	2562.2	1285.0	1014.2
-10°	59644.5	56401.3	54358.2	52497.3	46772.4	34377.4	18643.0	6975.5	2281.9	1230.7	1006.7
-12.5°	57787.5	55318.5	53595.8	51776.1	44050.6	29520.9	14236.1	5168.9	1926.2	1161.7	997.0
-15°	56014.5	54344.2	52678.0	48244.7	38465.4	23752.9	9679.9	2999.4	1498.0	1078.5	985.4
-17.5°	54725.7	53230.0	51144.6	44218.7	31231.1	17149.5	6959.0	2404.4	1280.8	1017.6	969.5
-20°	53417.2	51990.7	46318.5	36392.5	23197.9	10034.6	3899.9	1797.4	1162.2	1001.0	934.4



REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	51990.7	47028.5	39023.3	26914.3	14467.2	6408.8	2413.4	1307.2	1030.7	982.5	895.4
-25°	46318.5	39023.3	28179.9	16863.3	7944.6	2833.6	1630.1	1153.2	1003.3	947.6	847.7
-27.5°	36392.5	26914.3	16863.3	8461.7	3485.2	1937.6	1236.5	1018.5	979.9	897.8	766.8
-30°	23197.9	14467.2	7944.6	3485.2	2041.1	1278.6	1048.8	991.8	930.7	833.6	680.2
-32.5°	10034.6	6408.8	2833.6	1937.6	1278.6	1069.3	997.9	950.8	870.5	735.2	574.3
-35°	3899.9	2413.4	1630.1	1236.5	1048.8	997.9	957.5	883.6	768.6	626.1	458.4
-37.5°	1797.4	1307.2	1153.2	1018.5	991.8	950.8	883.6	779.8	652.3	496.7	370.8
-40°	1162.2	1030.7	1003.3	979.9	930.7	870.5	768.6	652.3	509.6	385.8	295.4
-42.5°	1001.0	982.5	947.6	897.8	833.6	735.2	626.1	496.7	385.8	302.8	243.0
-45°	934.4	895.4	847.7	766.8	680.2	574.3	458.4	370.8	295.4	243.0	196.1
-47.5°	811.9	748.9	679.7	594.1	497.8	405.6	341.1	275.6	234.6	194.3	175.0
-50°	626.7	557.3	480.9	407.0	353.9	297.2	254.5	217.9	188.9	171.5	155.0
-52.5°	414.5	376.5	334.5	288.9	256.0	225.5	194.8	180.0	164.4	151.0	138.1
-55°	285.0	262.0	239.7	215.3	193.0	180.7	167.7	155.3	144.3	132.8	123.7
-57.5°	206.8	192.7	183.7	174.0	163.4	154.0	144.8	135.1	126.8	118.8	110.6
-60°	167.7	160.3	154.0	147.2	139.8	132.1	125.8	119.0	112.0	105.5	98.9
-62.5°	140.5	135.4	130.4	125.8	120.7	115.3	109.8	104.5	98.9	93.2	87.7
-65°	119.3	115.8	112.0	108.3	104.4	100.1	95.6	91.2	86.6	81.9	76.8
-67.5°	101.5	98.9	95.9	92.8	89.6	86.3	82.7	78.8	73.9	68.4	62.7
-70°	85.7	83.6	81.3	78.7	75.4	71.6	67.4	63.0	58.4	54.6	51.1
-72.5°	68.6	66.2	63.6	60.7	57.6	55.0	52.6	50.0	47.2	44.4	41.5
-75°	51.6	50.2	48.7	47.0	45.2	43.2	41.3	39.4	37.4	35.2	33.0
-77.5°	38.8	37.9	36.8	35.6	34.3	32.8	31.3	29.8	28.4	26.9	25.3
-80°	27.8	27.1	26.4	25.6	24.7	23.7	22.7	21.6	20.5	19.4	18.4
-82.5°	18.4	17.9	17.5	17.0	16.5	15.9	15.3	14.6	13.9	13.2	12.4
-85°	10.7	10.5	10.3	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1
-87.5°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

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°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
85°	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.8	4.4	3.9	3.4
82.5°	11.6	11.0	10.4	9.8	9.2	8.5	7.9	7.2	6.5	5.8	5.1
80°	17.3	16.2	15.0	13.8	12.6	11.4	10.5	9.6	8.7	7.8	6.8
77.5°	23.7	22.0	20.2	18.6	17.1	15.5	13.9	12.2	10.8	9.7	8.5
75°	30.6	28.5	26.4	24.2	22.0	19.7	17.7	15.8	13.7	11.7	10.2
72.5°	38.8	35.9	33.0	30.0	27.4	24.7	21.9	19.2	16.9	14.5	12.0
70°	47.5	43.7	40.2	36.8	33.2	29.7	26.5	23.3	20.0	17.2	14.5
67.5°	56.7	52.5	48.1	43.6	39.5	35.4	31.2	27.4	23.7	20.0	16.9
65°	70.1	63.2	56.3	51.3	46.1	41.1	36.5	31.7	27.4	23.3	19.2
62.5°	82.1	75.7	67.9	59.8	53.2	47.4	41.7	36.5	31.2	26.5	21.9
60°	92.1	85.7	79.1	70.7	61.7	53.8	47.4	41.1	35.4	29.7	24.7
57.5°	103.0	95.3	88.0	80.6	71.7	61.7	53.2	46.1	39.5	33.2	27.4
55°	114.3	105.6	96.9	88.7	80.6	70.7	59.8	51.3	43.6	36.8	30.0
52.5°	126.6	116.3	106.4	96.9	88.0	79.1	67.9	56.3	48.1	40.2	33.0
50°	140.7	127.6	116.3	105.6	95.3	85.7	75.7	63.2	52.5	43.7	35.9
47.5°	156.3	140.7	126.6	114.3	103.0	92.1	82.1	70.1	56.7	47.5	38.8
45°	175.0	155.0	138.1	123.7	110.6	98.9	87.7	76.8	62.7	51.1	41.5
42.5°	194.3	171.5	151.0	132.8	118.8	105.5	93.2	81.9	68.4	54.6	44.4
40°	234.6	188.9	164.4	144.3	126.8	112.0	98.9	86.6	73.9	58.4	47.2
37.5°	275.6	217.9	180.0	155.3	135.1	119.0	104.5	91.2	78.8	63.0	50.0
35°	341.1	254.5	194.8	167.7	144.8	125.8	109.8	95.6	82.7	67.4	52.6
32.5°	405.6	297.2	225.5	180.7	154.0	132.1	115.3	100.1	86.3	71.6	55.0
30°	497.8	353.9	256.0	193.0	163.4	139.8	120.7	104.4	89.6	75.4	57.6
27.5°	594.1	407.0	288.9	215.3	174.0	147.2	125.8	108.3	92.8	78.7	60.7
25°	679.7	480.9	334.5	239.7	183.7	154.0	130.4	112.0	95.9	81.3	63.6
22.5°	748.9	557.3	376.5	262.0	192.7	160.3	135.4	115.8	98.9	83.6	66.2
20°	811.9	626.7	414.5	285.0	206.8	167.7	140.5	119.3	101.5	85.7	68.6
17.5°	864.5	684.0	467.6	316.2	223.3	174.2	145.0	122.4	103.9	87.6	70.7
15°	892.9	729.7	517.7	343.5	237.8	180.0	149.0	125.1	106.0	89.2	72.6
12.5°	917.3	768.8	560.5	366.9	250.1	184.9	152.3	127.3	107.8	90.6	74.1
10°	937.5	801.1	595.8	386.1	260.3	188.9	155.1	129.2	109.2	91.8	75.4
7.5°	953.3	826.4	623.5	401.1	268.2	192.0	157.3	130.7	110.3	92.7	76.4
5°	964.7	844.6	643.3	411.9	273.9	194.3	158.9	131.8	111.1	93.3	77.1
2.5°	971.5	855.5	655.3	418.4	277.4	195.6	159.8	132.4	111.6	93.7	77.6
0°	973.8	859.2	659.3	420.6	278.5	196.1	160.1	132.6	111.8	93.8	77.7
-2.5°	971.5	855.5	655.3	418.4	277.4	195.6	159.8	132.4	111.6	93.7	77.6
-5°	964.7	844.6	643.3	411.9	273.9	194.3	158.9	131.8	111.1	93.3	77.1
-7.5°	953.3	826.4	623.5	401.1	268.2	192.0	157.3	130.7	110.3	92.7	76.4
-10°	937.5	801.1	595.8	386.1	260.3	188.9	155.1	129.2	109.2	91.8	75.4
-12.5°	917.3	768.8	560.5	366.9	250.1	184.9	152.3	127.3	107.8	90.6	74.1
-15°	892.9	729.7	517.7	343.5	237.8	180.0	149.0	125.1	106.0	89.2	72.6
-17.5°	864.5	684.0	467.6	316.2	223.3	174.2	145.0	122.4	103.9	87.6	70.7
-20°	811.9	626.7	414.5	285.0	206.8	167.7	140.5	119.3	101.5	85.7	68.6



REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	748.9	557.3	376.5	262.0	192.7	160.3	135.4	115.8	98.9	83.6	66.2
-25°	679.7	480.9	334.5	239.7	183.7	154.0	130.4	112.0	95.9	81.3	63.6
-27.5°	594.1	407.0	288.9	215.3	174.0	147.2	125.8	108.3	92.8	78.7	60.7
-30°	497.8	353.9	256.0	193.0	163.4	139.8	120.7	104.4	89.6	75.4	57.6
-32.5°	405.6	297.2	225.5	180.7	154.0	132.1	115.3	100.1	86.3	71.6	55.0
-35°	341.1	254.5	194.8	167.7	144.8	125.8	109.8	95.6	82.7	67.4	52.6
-37.5°	275.6	217.9	180.0	155.3	135.1	119.0	104.5	91.2	78.8	63.0	50.0
-40°	234.6	188.9	164.4	144.3	126.8	112.0	98.9	86.6	73.9	58.4	47.2
-42.5°	194.3	171.5	151.0	132.8	118.8	105.5	93.2	81.9	68.4	54.6	44.4
-45°	175.0	155.0	138.1	123.7	110.6	98.9	87.7	76.8	62.7	51.1	41.5
-47.5°	156.3	140.7	126.6	114.3	103.0	92.1	82.1	70.1	56.7	47.5	38.8
-50°	140.7	127.6	116.3	105.6	95.3	85.7	75.7	63.2	52.5	43.7	35.9
-52.5°	126.6	116.3	106.4	96.9	88.0	79.1	67.9	56.3	48.1	40.2	33.0
-55°	114.3	105.6	96.9	88.7	80.6	70.7	59.8	51.3	43.6	36.8	30.0
-57.5°	103.0	95.3	88.0	80.6	71.7	61.7	53.2	46.1	39.5	33.2	27.4
-60°	92.1	85.7	79.1	70.7	61.7	53.8	47.4	41.1	35.4	29.7	24.7
-62.5°	82.1	75.7	67.9	59.8	53.2	47.4	41.7	36.5	31.2	26.5	21.9
-65°	70.1	63.2	56.3	51.3	46.1	41.1	36.5	31.7	27.4	23.3	19.2
-67.5°	56.7	52.5	48.1	43.6	39.5	35.4	31.2	27.4	23.7	20.0	16.9
-70°	47.5	43.7	40.2	36.8	33.2	29.7	26.5	23.3	20.0	17.2	14.5
-72.5°	38.8	35.9	33.0	30.0	27.4	24.7	21.9	19.2	16.9	14.5	12.0
-75°	30.6	28.5	26.4	24.2	22.0	19.7	17.7	15.8	13.7	11.7	10.2
-77.5°	23.7	22.0	20.2	18.6	17.1	15.5	13.9	12.2	10.8	9.7	8.5
-80°	17.3	16.2	15.0	13.8	12.6	11.4	10.5	9.6	8.7	7.8	6.8
-82.5°	11.6	11.0	10.4	9.8	9.2	8.5	7.9	7.2	6.5	5.8	5.1
-85°	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.8	4.4	3.9	3.4
-87.5°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
-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: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

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°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
80°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
77.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
75°	8.8	7.3	5.9	4.4	2.9	1.5	0.0
72.5°	10.2	8.5	6.8	5.1	3.4	1.7	0.0
70°	11.7	9.7	7.8	5.8	3.9	1.9	0.0
67.5°	13.7	10.8	8.7	6.5	4.4	2.2	0.0
65°	15.8	12.2	9.6	7.2	4.8	2.4	0.0
62.5°	17.7	13.9	10.5	7.9	5.3	2.6	0.0
60°	19.7	15.5	11.4	8.5	5.7	2.8	0.0
57.5°	22.0	17.1	12.6	9.2	6.1	3.1	0.0
55°	24.2	18.6	13.8	9.8	6.5	3.3	0.0
52.5°	26.4	20.2	15.0	10.4	6.9	3.5	0.0
50°	28.5	22.0	16.2	11.0	7.3	3.7	0.0
47.5°	30.6	23.7	17.3	11.6	7.7	3.9	0.0
45°	33.0	25.3	18.4	12.4	8.1	4.0	0.0
42.5°	35.2	26.9	19.4	13.2	8.4	4.2	0.0
40°	37.4	28.4	20.5	13.9	8.7	4.4	0.0
37.5°	39.4	29.8	21.6	14.6	9.0	4.5	0.0
35°	41.3	31.3	22.7	15.3	9.3	4.7	0.0
32.5°	43.2	32.8	23.7	15.9	9.6	4.8	0.0
30°	45.2	34.3	24.7	16.5	9.9	4.9	0.0
27.5°	47.0	35.6	25.6	17.0	10.1	5.1	0.0
25°	48.7	36.8	26.4	17.5	10.3	5.2	0.0
22.5°	50.2	37.9	27.1	17.9	10.5	5.3	0.0
20°	51.6	38.8	27.8	18.4	10.7	5.4	0.0
17.5°	52.8	39.7	28.4	18.7	10.9	5.4	0.0
15°	53.8	40.5	28.9	19.0	11.0	5.5	0.0
12.5°	54.7	41.1	29.3	19.3	11.1	5.6	0.0
10°	55.5	41.7	29.7	19.5	11.2	5.6	0.0
7.5°	56.1	42.1	29.9	19.7	11.3	5.7	0.0
5°	56.5	42.4	30.1	19.8	11.4	5.7	0.0
2.5°	56.7	42.5	30.3	19.9	11.4	5.7	0.0
0°	56.8	42.6	30.3	19.9	11.4	5.7	0.0
-2.5°	56.7	42.5	30.3	19.9	11.4	5.7	0.0
-5°	56.5	42.4	30.1	19.8	11.4	5.7	0.0
-7.5°	56.1	42.1	29.9	19.7	11.3	5.7	0.0
-10°	55.5	41.7	29.7	19.5	11.2	5.6	0.0
-12.5°	54.7	41.1	29.3	19.3	11.1	5.6	0.0
-15°	53.8	40.5	28.9	19.0	11.0	5.5	0.0
-17.5°	52.8	39.7	28.4	18.7	10.9	5.4	0.0
-20°	51.6	38.8	27.8	18.4	10.7	5.4	0.0



REPORT NUMBER: P1306510 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-5R-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.2	37.9	27.1	17.9	10.5	5.3	0.0
-25°	48.7	36.8	26.4	17.5	10.3	5.2	0.0
-27.5°	47.0	35.6	25.6	17.0	10.1	5.1	0.0
-30°	45.2	34.3	24.7	16.5	9.9	4.9	0.0
-32.5°	43.2	32.8	23.7	15.9	9.6	4.8	0.0
-35°	41.3	31.3	22.7	15.3	9.3	4.7	0.0
-37.5°	39.4	29.8	21.6	14.6	9.0	4.5	0.0
-40°	37.4	28.4	20.5	13.9	8.7	4.4	0.0
-42.5°	35.2	26.9	19.4	13.2	8.4	4.2	0.0
-45°	33.0	25.3	18.4	12.4	8.1	4.0	0.0
-47.5°	30.6	23.7	17.3	11.6	7.7	3.9	0.0
-50°	28.5	22.0	16.2	11.0	7.3	3.7	0.0
-52.5°	26.4	20.2	15.0	10.4	6.9	3.5	0.0
-55°	24.2	18.6	13.8	9.8	6.5	3.3	0.0
-57.5°	22.0	17.1	12.6	9.2	6.1	3.1	0.0
-60°	19.7	15.5	11.4	8.5	5.7	2.8	0.0
-62.5°	17.7	13.9	10.5	7.9	5.3	2.6	0.0
-65°	15.8	12.2	9.6	7.2	4.8	2.4	0.0
-67.5°	13.7	10.8	8.7	6.5	4.4	2.2	0.0
-70°	11.7	9.7	7.8	5.8	3.9	1.9	0.0
-72.5°	10.2	8.5	6.8	5.1	3.4	1.7	0.0
-75°	8.8	7.3	5.9	4.4	2.9	1.5	0.0
-77.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
-80°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
-82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
-85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)