

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: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-80-5R-A**

Issue Date: 2/3/2026

Test Information

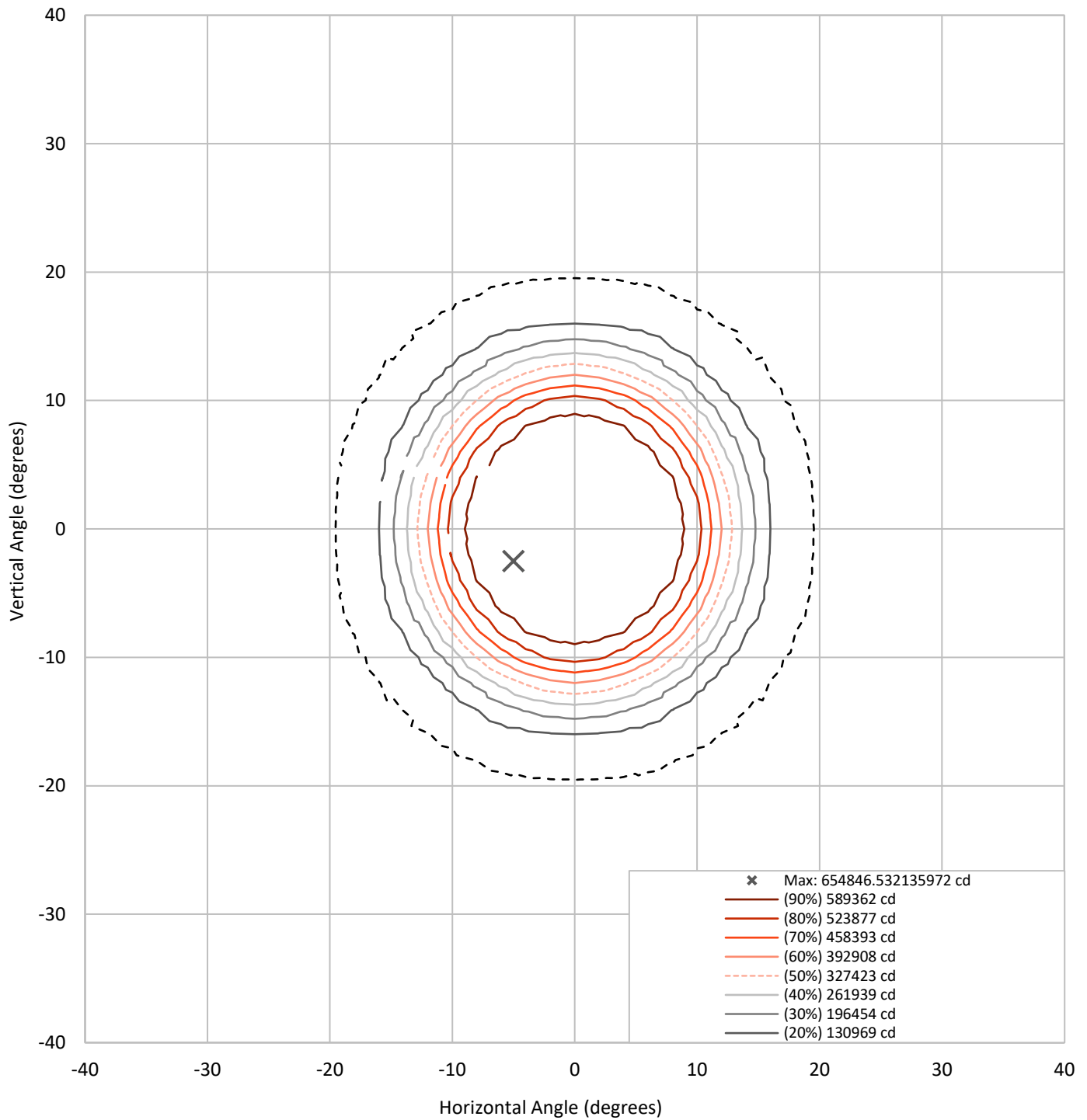
Test Method: LM-79-08
Report Number: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-51)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-40-80-5R-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 80 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:	157507.1 lumens	Max Intensity:	654846.5 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	122.1 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:	83849.2 lumens	Field Lumens:	116781.9 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		

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Iso-Candela Plot





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Lumen Table

90	0.1	0.8		2.1		3.5		4.1		3.5		2.1		0.8		0.1			
80	0.1	0.8		2.1		3.5		4.1		3.5		2.1		0.8		0.1			
70	0.4	0.4	0.9	1.5	2.3	3.0	3.5	3.9	3.9	3.5	3.0	2.3	1.5	0.9	0.4	0.4			
60		0.6	1.5	2.5	4.2	7.0	10.7	13.1	13.1	10.7	7.0	4.2	2.5	1.5	0.6				
50	0.7	0.9	2.1	4.5	11.5	20.7	28.5	36.1	36.1	28.5	20.7	11.5	4.5	2.1	0.9	0.7			
40		1.2	2.9	10.0	22.3	83.2	394.2	710.2	710.2	394.2	83.2	22.3	10.0	2.9	1.2				
30	0.9	1.4	4.5	16.3	76.0	711.5	1384.0	1593.7	1593.7	1384.0	711.5	76.0	16.3	4.5	1.4	0.9			
20		1.6	6.5	21.1	341.3	1300.4	1984.4	5399.7	5399.7	1984.4	1300.4	341.3	21.1	6.5	1.6				
10	1.0	1.7	7.7	26.0	595.7	1451.8	5270.2	17787.1	17787.1	5270.2	1451.8	595.7	26.0	7.7	1.7	1.0			
0		1.7	7.7	26.0	595.7	1451.8	5270.2	17787.1	17787.1	5270.2	1451.8	595.7	26.0	7.7	1.7				
-10	0.9	1.6	6.5	21.1	341.3	1300.4	1984.4	5399.7	5399.7	1984.4	1300.4	341.3	21.1	6.5	1.6	0.9			
-20		1.4	4.5	16.3	76.0	711.5	1384.0	1593.7	1593.7	1384.0	711.5	76.0	16.3	4.5	1.4				
-30	0.7	1.2	2.9	10.0	22.3	83.2	394.2	710.2	710.2	394.2	83.2	22.3	10.0	2.9	1.2	0.7			
-40		0.9	2.1	4.5	11.5	20.7	28.5	36.1	36.1	28.5	20.7	11.5	4.5	2.1	0.9				
-50	0.4	0.6	1.5	2.5	4.2	7.0	10.7	13.1	13.1	10.7	7.0	4.2	2.5	1.5	0.6	0.4			
-60		0.4	0.9	1.5	2.3	3.0	3.5	3.9	3.9	3.5	3.0	2.3	1.5	0.9	0.4				
-70	0.1	0.8		2.1		3.5		4.1		3.5		2.1		0.8		0.1			
-80		0.8		2.1		3.5		4.1		3.5		2.1		0.8					
-90	0.1	0.8		2.1		3.5		4.1		3.5		2.1		0.8		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-A

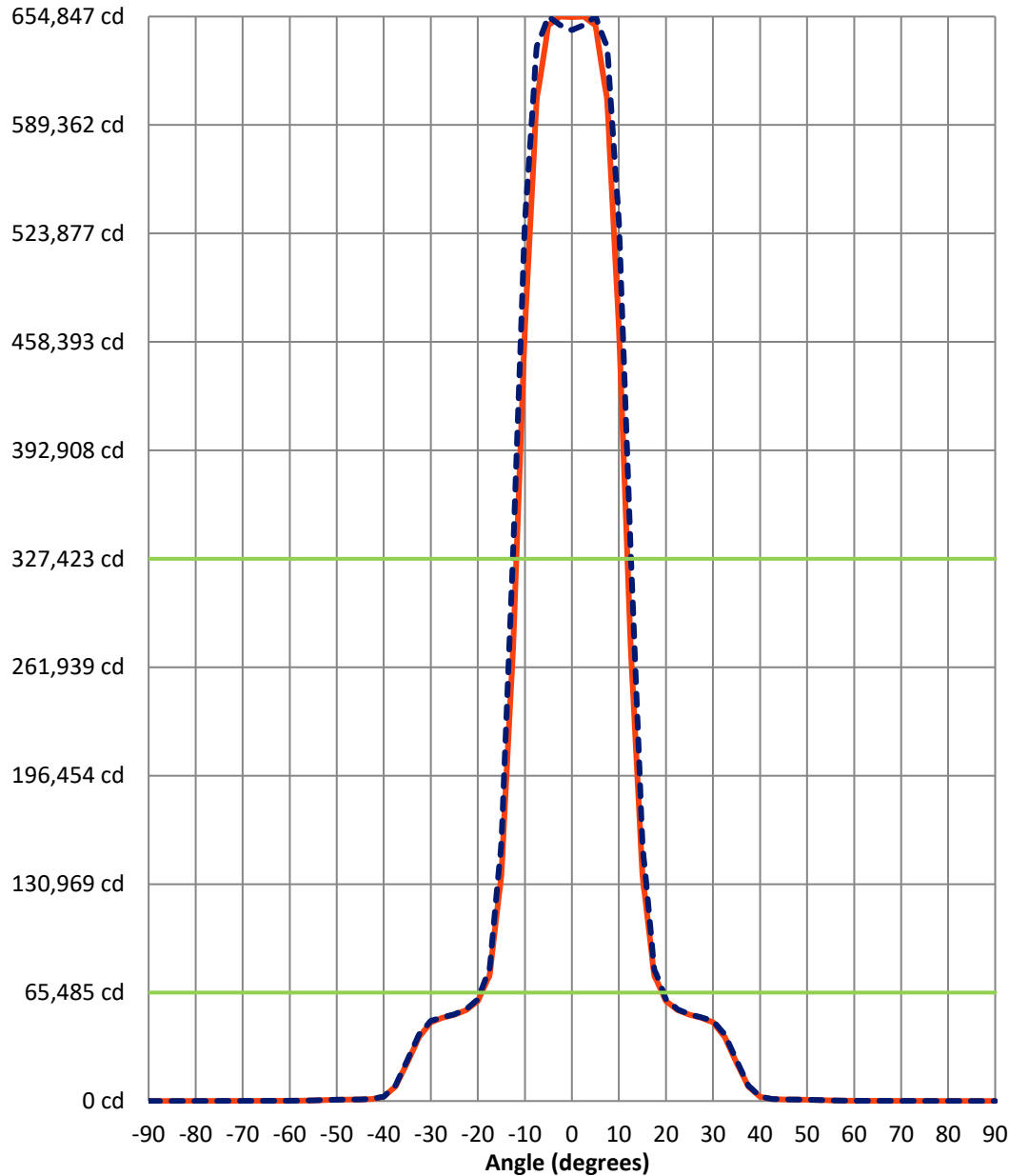
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 25.1°
 V Angle: 23.6°
 Lumens: 83849.2
 Efficiency: 53.2%

Field:
 H Angle: 38.9°
 V Angle: 38.4°
 Lumens: 116781.9
 Efficiency: 74.1%

Spill:
 Lumens: 40725.2
 Efficiency: 25.9%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through -2.5-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	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.2
85°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
82.5°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.4	6.1	6.7
80°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.4	7.3	8.1	9.0
77.5°	0.0	1.1	2.3	3.4	4.6	5.7	6.8	8.0	9.1	10.2	11.5
75°	0.0	1.4	2.7	4.1	5.5	6.8	8.2	9.5	11.0	12.9	14.8
72.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.5	11.3	13.6	15.8	18.1
70°	0.0	1.8	3.6	5.4	7.3	9.1	11.0	13.6	16.2	18.8	21.9
67.5°	0.0	2.0	4.1	6.1	8.1	10.2	12.9	15.8	18.8	22.3	25.8
65°	0.0	2.2	4.5	6.7	9.0	11.5	14.8	18.1	21.9	25.8	29.8
62.5°	0.0	2.4	4.9	7.4	9.8	13.1	16.7	20.6	24.9	29.3	34.3
60°	0.0	2.6	5.3	8.0	10.7	14.6	18.5	23.2	27.9	33.3	38.7
57.5°	0.0	2.8	5.7	8.6	11.8	16.1	20.6	25.7	31.2	37.2	43.4
55°	0.0	3.0	6.1	9.2	13.0	17.5	22.8	28.2	34.6	41.1	48.3
52.5°	0.0	3.2	6.5	9.7	14.1	19.0	24.8	31.0	37.9	45.3	53.0
50°	0.0	3.4	6.8	10.3	15.2	20.6	26.8	33.8	41.2	49.4	59.5
47.5°	0.0	3.6	7.2	10.9	16.3	22.3	28.8	36.5	44.7	53.4	66.0
45°	0.0	3.7	7.5	11.6	17.3	23.8	31.0	39.1	48.1	59.0	72.2
42.5°	0.0	3.9	7.9	12.4	18.2	25.3	33.1	41.8	51.4	64.4	77.1
40°	0.0	4.1	8.2	13.1	19.3	26.7	35.2	44.5	55.0	69.5	81.5
37.5°	0.0	4.2	8.5	13.7	20.3	28.1	37.1	47.1	59.3	74.2	85.7
35°	0.0	4.3	8.7	14.3	21.4	29.5	38.9	49.5	63.5	77.7	89.9
32.5°	0.0	4.5	9.0	14.9	22.3	30.9	40.7	51.8	67.3	81.1	94.2
30°	0.0	4.6	9.3	15.5	23.2	32.2	42.5	54.2	71.0	84.3	98.2
27.5°	0.0	4.7	9.5	16.0	24.0	33.5	44.2	57.2	74.1	87.3	101.9
25°	0.0	4.8	9.7	16.4	24.8	34.6	45.8	59.9	76.5	90.2	105.4
22.5°	0.0	4.9	9.9	16.9	25.5	35.6	47.3	62.4	78.7	93.0	109.0
20°	0.0	5.0	10.0	17.2	26.1	36.6	48.5	64.6	80.6	95.5	112.2
17.5°	0.0	5.1	10.2	17.6	26.7	37.4	49.7	66.6	82.4	97.8	115.2
15°	0.0	5.1	10.3	17.9	27.2	38.1	50.7	68.3	83.9	99.7	117.7
12.5°	0.0	5.2	10.4	18.1	27.6	38.7	51.6	69.7	85.2	101.4	119.8
10°	0.0	5.2	10.5	18.3	27.9	39.2	52.3	70.9	86.3	102.8	121.6
7.5°	0.0	5.3	10.6	18.5	28.2	39.6	52.8	71.9	87.1	103.8	123.0
5°	0.0	5.3	10.7	18.6	28.3	39.9	53.2	72.6	87.7	104.6	124.0
2.5°	0.0	5.3	10.7	18.7	28.5	40.0	53.4	73.0	88.1	105.0	124.6
0°	0.0	5.3	10.7	18.7	28.5	40.1	53.5	73.1	88.2	105.2	124.8
-2.5°	0.0	5.3	10.7	18.7	28.5	40.1	53.5	73.1	88.2	105.2	124.8
-5°	0.0	5.3	10.7	18.6	28.3	39.9	53.2	72.6	87.7	104.6	124.0
-7.5°	0.0	5.3	10.6	18.5	28.2	39.6	52.8	71.9	87.1	103.8	123.0
-10°	0.0	5.2	10.5	18.3	27.9	39.2	52.3	70.9	86.3	102.8	121.6
-12.5°	0.0	5.2	10.4	18.1	27.6	38.7	51.6	69.7	85.2	101.4	119.8
-15°	0.0	5.1	10.3	17.9	27.2	38.1	50.7	68.3	83.9	99.7	117.7
-17.5°	0.0	5.1	10.2	17.6	26.7	37.4	49.7	66.6	82.4	97.8	115.2
-20°	0.0	5.0	10.0	17.2	26.1	36.6	48.5	64.6	80.6	95.5	112.2



REPORT NUMBER: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.9	9.9	16.9	25.5	35.6	47.3	62.4	78.7	93.0	109.0
-25°	0.0	4.8	9.7	16.4	24.8	34.6	45.8	59.9	76.5	90.2	105.4
-27.5°	0.0	4.7	9.5	16.0	24.0	33.5	44.2	57.2	74.1	87.3	101.9
-30°	0.0	4.6	9.3	15.5	23.2	32.2	42.5	54.2	71.0	84.3	98.2
-32.5°	0.0	4.5	9.0	14.9	22.3	30.9	40.7	51.8	67.3	81.1	94.2
-35°	0.0	4.3	8.7	14.3	21.4	29.5	38.9	49.5	63.5	77.7	89.9
-37.5°	0.0	4.2	8.5	13.7	20.3	28.1	37.1	47.1	59.3	74.2	85.7
-40°	0.0	4.1	8.2	13.1	19.3	26.7	35.2	44.5	55.0	69.5	81.5
-42.5°	0.0	3.9	7.9	12.4	18.2	25.3	33.1	41.8	51.4	64.4	77.1
-45°	0.0	3.7	7.5	11.6	17.3	23.8	31.0	39.1	48.1	59.0	72.2
-47.5°	0.0	3.6	7.2	10.9	16.3	22.3	28.8	36.5	44.7	53.4	66.0
-50°	0.0	3.4	6.8	10.3	15.2	20.6	26.8	33.8	41.2	49.4	59.5
-52.5°	0.0	3.2	6.5	9.7	14.1	19.0	24.8	31.0	37.9	45.3	53.0
-55°	0.0	3.0	6.1	9.2	13.0	17.5	22.8	28.2	34.6	41.1	48.3
-57.5°	0.0	2.8	5.7	8.6	11.8	16.1	20.6	25.7	31.2	37.2	43.4
-60°	0.0	2.6	5.3	8.0	10.7	14.6	18.5	23.2	27.9	33.3	38.7
-62.5°	0.0	2.4	4.9	7.4	9.8	13.1	16.7	20.6	24.9	29.3	34.3
-65°	0.0	2.2	4.5	6.7	9.0	11.5	14.8	18.1	21.9	25.8	29.8
-67.5°	0.0	2.0	4.1	6.1	8.1	10.2	12.9	15.8	18.8	22.3	25.8
-70°	0.0	1.8	3.6	5.4	7.3	9.1	11.0	13.6	16.2	18.8	21.9
-72.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.5	11.3	13.6	15.8	18.1
-75°	0.0	1.4	2.7	4.1	5.5	6.8	8.2	9.5	11.0	12.9	14.8
-77.5°	0.0	1.1	2.3	3.4	4.6	5.7	6.8	8.0	9.1	10.2	11.5
-80°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.4	7.3	8.1	9.0
-82.5°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.4	6.1	6.7
-85°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
-87.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.2
-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: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-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°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.2
85°	4.9	5.3	5.7	6.1	6.5	6.8	7.2	7.5	7.9	8.2	8.5
82.5°	7.4	8.0	8.6	9.2	9.7	10.3	10.9	11.6	12.4	13.1	13.7
80°	9.8	10.7	11.8	13.0	14.1	15.2	16.3	17.3	18.2	19.3	20.3
77.5°	13.1	14.6	16.1	17.5	19.0	20.6	22.3	23.8	25.3	26.7	28.1
75°	16.7	18.5	20.6	22.8	24.8	26.8	28.8	31.0	33.1	35.2	37.1
72.5°	20.6	23.2	25.7	28.2	31.0	33.8	36.5	39.1	41.8	44.5	47.1
70°	24.9	27.9	31.2	34.6	37.9	41.2	44.7	48.1	51.4	55.0	59.3
67.5°	29.3	33.3	37.2	41.1	45.3	49.4	53.4	59.0	64.4	69.5	74.2
65°	34.3	38.7	43.4	48.3	53.0	59.5	66.0	72.2	77.1	81.5	85.7
62.5°	39.2	44.6	50.1	56.3	63.9	71.3	77.2	82.5	87.6	93.1	98.3
60°	44.6	50.7	58.1	66.6	74.4	80.6	86.6	93.0	99.3	105.4	112.0
57.5°	50.1	58.1	67.5	75.8	82.7	89.6	96.9	104.0	111.8	119.4	127.2
55°	56.3	66.6	75.8	83.4	91.2	99.3	107.5	116.4	125.0	135.8	146.1
52.5°	63.9	74.4	82.7	91.2	100.1	109.4	119.2	129.9	142.0	154.6	169.3
50°	71.3	80.6	89.6	99.3	109.4	120.1	132.4	145.8	161.3	177.7	205.0
47.5°	77.2	86.6	96.9	107.5	119.2	132.4	147.1	164.7	182.8	220.7	259.2
45°	82.5	93.0	104.0	116.4	129.9	145.8	164.7	184.5	228.6	277.9	348.9
42.5°	87.6	99.3	111.8	125.0	142.0	161.3	182.8	228.6	284.9	362.9	467.3
40°	93.1	105.4	119.4	135.8	154.6	177.7	220.7	277.9	362.9	479.4	613.6
37.5°	98.3	112.0	127.2	146.1	169.3	205.0	259.2	348.9	467.3	613.6	733.5
35°	103.3	118.4	136.3	157.7	183.3	239.4	320.9	431.3	589.0	723.0	831.2
32.5°	108.5	124.3	144.9	170.0	212.2	279.6	381.5	540.3	691.5	818.8	894.4
30°	113.6	131.6	153.7	181.6	240.8	332.9	468.3	639.8	784.1	875.6	933.1
27.5°	118.4	138.5	163.7	202.5	271.7	382.9	558.8	721.3	844.5	921.8	958.1
25°	122.8	144.9	172.9	225.5	314.7	452.4	639.4	797.3	891.4	943.8	1084.8
22.5°	127.4	150.8	181.3	246.5	354.2	524.2	704.5	842.3	924.3	969.6	1229.7
20°	132.2	157.7	194.6	268.1	390.0	589.5	763.7	879.0	941.6	1093.3	1690.8
17.5°	136.4	163.9	210.1	297.5	439.9	643.5	813.2	912.0	957.3	1204.8	2261.8
15°	140.2	169.3	223.7	323.2	487.0	686.4	840.0	927.0	1014.5	1409.1	2821.5
12.5°	143.3	173.9	235.3	345.1	527.3	723.2	862.9	938.0	1092.8	1811.9	4862.3
10°	145.9	177.7	244.9	363.2	560.5	753.6	881.9	947.0	1157.7	2146.6	6561.8
7.5°	148.0	180.7	252.3	377.4	586.5	777.4	896.8	954.1	1208.8	2410.2	7903.0
5°	149.4	182.8	257.7	387.5	605.2	794.5	907.5	959.2	1245.6	2600.4	8871.8
2.5°	150.3	184.1	260.9	393.7	616.4	804.8	913.9	962.3	1267.8	2715.2	9457.5
0°	150.6	184.5	262.0	395.7	620.2	808.2	916.1	963.3	1275.2	2753.6	9653.5
-2.5°	150.3	184.1	260.9	393.7	616.4	804.8	913.9	962.3	1267.8	2715.2	9457.5
-5°	149.4	182.8	257.7	387.5	605.2	794.5	907.5	959.2	1245.6	2600.4	8871.8
-7.5°	148.0	180.7	252.3	377.4	586.5	777.4	896.8	954.1	1208.8	2410.2	7903.0
-10°	145.9	177.7	244.9	363.2	560.5	753.6	881.9	947.0	1157.7	2146.6	6561.8
-12.5°	143.3	173.9	235.3	345.1	527.3	723.2	862.9	938.0	1092.8	1811.9	4862.3
-15°	140.2	169.3	223.7	323.2	487.0	686.4	840.0	927.0	1014.5	1409.1	2821.5
-17.5°	136.4	163.9	210.1	297.5	439.9	643.5	813.2	912.0	957.3	1204.8	2261.8
-20°	132.2	157.7	194.6	268.1	390.0	589.5	763.7	879.0	941.6	1093.3	1690.8



REPORT NUMBER: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	127.4	150.8	181.3	246.5	354.2	524.2	704.5	842.3	924.3	969.6	1229.7
-25°	122.8	144.9	172.9	225.5	314.7	452.4	639.4	797.3	891.4	943.8	1084.8
-27.5°	118.4	138.5	163.7	202.5	271.7	382.9	558.8	721.3	844.5	921.8	958.1
-30°	113.6	131.6	153.7	181.6	240.8	332.9	468.3	639.8	784.1	875.6	933.1
-32.5°	108.5	124.3	144.9	170.0	212.2	279.6	381.5	540.3	691.5	818.8	894.4
-35°	103.3	118.4	136.3	157.7	183.3	239.4	320.9	431.3	589.0	723.0	831.2
-37.5°	98.3	112.0	127.2	146.1	169.3	205.0	259.2	348.9	467.3	613.6	733.5
-40°	93.1	105.4	119.4	135.8	154.6	177.7	220.7	277.9	362.9	479.4	613.6
-42.5°	87.6	99.3	111.8	125.0	142.0	161.3	182.8	228.6	284.9	362.9	467.3
-45°	82.5	93.0	104.0	116.4	129.9	145.8	164.7	184.5	228.6	277.9	348.9
-47.5°	77.2	86.6	96.9	107.5	119.2	132.4	147.1	164.7	182.8	220.7	259.2
-50°	71.3	80.6	89.6	99.3	109.4	120.1	132.4	145.8	161.3	177.7	205.0
-52.5°	63.9	74.4	82.7	91.2	100.1	109.4	119.2	129.9	142.0	154.6	169.3
-55°	56.3	66.6	75.8	83.4	91.2	99.3	107.5	116.4	125.0	135.8	146.1
-57.5°	50.1	58.1	67.5	75.8	82.7	89.6	96.9	104.0	111.8	119.4	127.2
-60°	44.6	50.7	58.1	66.6	74.4	80.6	86.6	93.0	99.3	105.4	112.0
-62.5°	39.2	44.6	50.1	56.3	63.9	71.3	77.2	82.5	87.6	93.1	98.3
-65°	34.3	38.7	43.4	48.3	53.0	59.5	66.0	72.2	77.1	81.5	85.7
-67.5°	29.3	33.3	37.2	41.1	45.3	49.4	53.4	59.0	64.4	69.5	74.2
-70°	24.9	27.9	31.2	34.6	37.9	41.2	44.7	48.1	51.4	55.0	59.3
-72.5°	20.6	23.2	25.7	28.2	31.0	33.8	36.5	39.1	41.8	44.5	47.1
-75°	16.7	18.5	20.6	22.8	24.8	26.8	28.8	31.0	33.1	35.2	37.1
-77.5°	13.1	14.6	16.1	17.5	19.0	20.6	22.3	23.8	25.3	26.7	28.1
-80°	9.8	10.7	11.8	13.0	14.1	15.2	16.3	17.3	18.2	19.3	20.3
-82.5°	7.4	8.0	8.6	9.2	9.7	10.3	10.9	11.6	12.4	13.1	13.7
-85°	4.9	5.3	5.7	6.1	6.5	6.8	7.2	7.5	7.9	8.2	8.5
-87.5°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.2
-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: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-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°	4.3	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.2
85°	8.7	9.0	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.4	10.5
82.5°	14.3	14.9	15.5	16.0	16.4	16.9	17.2	17.6	17.9	18.1	18.3
80°	21.4	22.3	23.2	24.0	24.8	25.5	26.1	26.7	27.2	27.6	27.9
77.5°	29.5	30.9	32.2	33.5	34.6	35.6	36.6	37.4	38.1	38.7	39.2
75°	38.9	40.7	42.5	44.2	45.8	47.3	48.5	49.7	50.7	51.6	52.3
72.5°	49.5	51.8	54.2	57.2	59.9	62.4	64.6	66.6	68.3	69.7	70.9
70°	63.5	67.3	71.0	74.1	76.5	78.7	80.6	82.4	83.9	85.2	86.3
67.5°	77.7	81.1	84.3	87.3	90.2	93.0	95.5	97.8	99.7	101.4	102.8
65°	89.9	94.2	98.2	101.9	105.4	109.0	112.2	115.2	117.7	119.8	121.6
62.5°	103.3	108.5	113.6	118.4	122.8	127.4	132.2	136.4	140.2	143.3	145.9
60°	118.4	124.3	131.6	138.5	144.9	150.8	157.7	163.9	169.3	173.9	177.7
57.5°	136.3	144.9	153.7	163.7	172.9	181.3	194.6	210.1	223.7	235.3	244.9
55°	157.7	170.0	181.6	202.5	225.5	246.5	268.1	297.5	323.2	345.1	363.2
52.5°	183.3	212.2	240.8	271.7	314.7	354.2	390.0	439.9	487.0	527.3	560.5
50°	239.4	279.6	332.9	382.9	452.4	524.2	589.5	643.5	686.4	723.2	753.6
47.5°	320.9	381.5	468.3	558.8	639.4	704.5	763.7	813.2	840.0	862.9	881.9
45°	431.3	540.3	639.8	721.3	797.3	842.3	879.0	912.0	927.0	938.0	947.0
42.5°	589.0	691.5	784.1	844.5	891.4	924.3	941.6	957.3	1014.5	1092.8	1157.7
40°	723.0	818.8	875.6	921.8	943.8	969.6	1093.3	1204.8	1409.1	1811.9	2146.6
37.5°	831.2	894.4	933.1	958.1	1084.8	1229.7	1690.8	2261.8	2821.5	4862.3	6561.8
35°	900.8	938.7	986.6	1163.1	1533.4	2270.3	3668.7	6546.3	9105.8	13391.8	17537.3
32.5°	938.7	1005.9	1202.8	1822.7	2665.6	6028.7	9439.5	16132.4	22344.1	27770.0	32338.4
30°	986.6	1202.8	1920.0	3278.5	7473.4	13609.1	21822.0	29378.8	36183.9	41437.9	43998.3
27.5°	1163.1	1822.7	3278.5	7959.9	15863.2	25317.9	34234.1	41596.1	45383.3	48705.2	49383.7
25°	1533.4	2665.6	7473.4	15863.2	26508.5	36708.8	43571.3	48111.2	49553.7	50417.1	51134.2
22.5°	2270.3	6028.7	13609.1	25317.9	36708.8	44239.2	48907.1	50072.9	51121.1	52037.5	53056.2
20°	3668.7	9439.5	21822.0	34234.1	43571.3	48907.1	50249.0	51479.9	52692.3	54360.1	56107.0
17.5°	6546.3	16132.4	29378.8	41596.1	48111.2	50072.9	51479.9	53011.1	55036.1	58340.0	61684.0
15°	9105.8	22344.1	36183.9	45383.3	49553.7	51121.1	52692.3	55036.1	59105.9	66300.8	77758.9
12.5°	13391.8	27770.0	41437.9	48705.2	50417.1	52037.5	54360.1	58340.0	66300.8	80541.8	131398.0
10°	17537.3	32338.4	43998.3	49383.7	51134.2	53056.2	56107.0	61684.0	77758.9	131398.0	223586.2
7.5°	20816.3	35961.9	46036.0	49916.9	51705.2	54107.5	58557.7	69733.2	106290.6	193467.4	355302.7
5°	23189.1	38589.8	47517.9	50306.1	52123.7	54882.6	60378.3	76083.2	136740.4	274369.2	465981.2
2.5°	24625.4	40183.0	48418.1	50543.0	52379.4	55358.1	61501.8	80033.6	155912.5	332064.2	530132.8
0°	25106.3	40716.9	48720.0	50622.6	52465.4	55518.4	61881.8	81375.9	162471.1	353303.0	552088.0
-2.5°	24625.4	40183.0	48418.1	50543.0	52379.4	55358.1	61501.8	80033.6	155912.5	332064.2	530132.8
-5°	23189.1	38589.8	47517.9	50306.1	52123.7	54882.6	60378.3	76083.2	136740.4	274369.2	465981.2
-7.5°	20816.3	35961.9	46036.0	49916.9	51705.2	54107.5	58557.7	69733.2	106290.6	193467.4	355302.7
-10°	17537.3	32338.4	43998.3	49383.7	51134.2	53056.2	56107.0	61684.0	77758.9	131398.0	223586.2
-12.5°	13391.8	27770.0	41437.9	48705.2	50417.1	52037.5	54360.1	58340.0	66300.8	80541.8	131398.0
-15°	9105.8	22344.1	36183.9	45383.3	49553.7	51121.1	52692.3	55036.1	59105.9	66300.8	77758.9
-17.5°	6546.3	16132.4	29378.8	41596.1	48111.2	50072.9	51479.9	53011.1	55036.1	58340.0	61684.0
-20°	3668.7	9439.5	21822.0	34234.1	43571.3	48907.1	50249.0	51479.9	52692.3	54360.1	56107.0



REPORT NUMBER: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2270.3	6028.7	13609.1	25317.9	36708.8	44239.2	48907.1	50072.9	51121.1	52037.5	53056.2
-25°	1533.4	2665.6	7473.4	15863.2	26508.5	36708.8	43571.3	48111.2	49553.7	50417.1	51134.2
-27.5°	1163.1	1822.7	3278.5	7959.9	15863.2	25317.9	34234.1	41596.1	45383.3	48705.2	49383.7
-30°	986.6	1202.8	1920.0	3278.5	7473.4	13609.1	21822.0	29378.8	36183.9	41437.9	43998.3
-32.5°	938.7	1005.9	1202.8	1822.7	2665.6	6028.7	9439.5	16132.4	22344.1	27770.0	32338.4
-35°	900.8	938.7	986.6	1163.1	1533.4	2270.3	3668.7	6546.3	9105.8	13391.8	17537.3
-37.5°	831.2	894.4	933.1	958.1	1084.8	1229.7	1690.8	2261.8	2821.5	4862.3	6561.8
-40°	723.0	818.8	875.6	921.8	943.8	969.6	1093.3	1204.8	1409.1	1811.9	2146.6
-42.5°	589.0	691.5	784.1	844.5	891.4	924.3	941.6	957.3	1014.5	1092.8	1157.7
-45°	431.3	540.3	639.8	721.3	797.3	842.3	879.0	912.0	927.0	938.0	947.0
-47.5°	320.9	381.5	468.3	558.8	639.4	704.5	763.7	813.2	840.0	862.9	881.9
-50°	239.4	279.6	332.9	382.9	452.4	524.2	589.5	643.5	686.4	723.2	753.6
-52.5°	183.3	212.2	240.8	271.7	314.7	354.2	390.0	439.9	487.0	527.3	560.5
-55°	157.7	170.0	181.6	202.5	225.5	246.5	268.1	297.5	323.2	345.1	363.2
-57.5°	136.3	144.9	153.7	163.7	172.9	181.3	194.6	210.1	223.7	235.3	244.9
-60°	118.4	124.3	131.6	138.5	144.9	150.8	157.7	163.9	169.3	173.9	177.7
-62.5°	103.3	108.5	113.6	118.4	122.8	127.4	132.2	136.4	140.2	143.3	145.9
-65°	89.9	94.2	98.2	101.9	105.4	109.0	112.2	115.2	117.7	119.8	121.6
-67.5°	77.7	81.1	84.3	87.3	90.2	93.0	95.5	97.8	99.7	101.4	102.8
-70°	63.5	67.3	71.0	74.1	76.5	78.7	80.6	82.4	83.9	85.2	86.3
-72.5°	49.5	51.8	54.2	57.2	59.9	62.4	64.6	66.6	68.3	69.7	70.9
-75°	38.9	40.7	42.5	44.2	45.8	47.3	48.5	49.7	50.7	51.6	52.3
-77.5°	29.5	30.9	32.2	33.5	34.6	35.6	36.6	37.4	38.1	38.7	39.2
-80°	21.4	22.3	23.2	24.0	24.8	25.5	26.1	26.7	27.2	27.6	27.9
-82.5°	14.3	14.9	15.5	16.0	16.4	16.9	17.2	17.6	17.9	18.1	18.3
-85°	8.7	9.0	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.4	10.5
-87.5°	4.3	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.2
-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: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-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°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1
85°	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.5	10.4	10.3	10.2
82.5°	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.3	18.1	17.9	17.6
80°	28.2	28.3	28.5	28.5	28.5	28.3	28.2	27.9	27.6	27.2	26.7
77.5°	39.6	39.9	40.0	40.1	40.0	39.9	39.6	39.2	38.7	38.1	37.4
75°	52.8	53.2	53.4	53.5	53.4	53.2	52.8	52.3	51.6	50.7	49.7
72.5°	71.9	72.6	73.0	73.1	73.0	72.6	71.9	70.9	69.7	68.3	66.6
70°	87.1	87.7	88.1	88.2	88.1	87.7	87.1	86.3	85.2	83.9	82.4
67.5°	103.8	104.6	105.0	105.2	105.0	104.6	103.8	102.8	101.4	99.7	97.8
65°	123.0	124.0	124.6	124.8	124.6	124.0	123.0	121.6	119.8	117.7	115.2
62.5°	148.0	149.4	150.3	150.6	150.3	149.4	148.0	145.9	143.3	140.2	136.4
60°	180.7	182.8	184.1	184.5	184.1	182.8	180.7	177.7	173.9	169.3	163.9
57.5°	252.3	257.7	260.9	262.0	260.9	257.7	252.3	244.9	235.3	223.7	210.1
55°	377.4	387.5	393.7	395.7	393.7	387.5	377.4	363.2	345.1	323.2	297.5
52.5°	586.5	605.2	616.4	620.2	616.4	605.2	586.5	560.5	527.3	487.0	439.9
50°	777.4	794.5	804.8	808.2	804.8	794.5	777.4	753.6	723.2	686.4	643.5
47.5°	896.8	907.5	913.9	916.1	913.9	907.5	896.8	881.9	862.9	840.0	813.2
45°	954.1	959.2	962.3	963.3	962.3	959.2	954.1	947.0	938.0	927.0	912.0
42.5°	1208.8	1245.6	1267.8	1275.2	1267.8	1245.6	1208.8	1157.7	1092.8	1014.5	957.3
40°	2410.2	2600.4	2715.2	2753.6	2715.2	2600.4	2410.2	2146.6	1811.9	1409.1	1204.8
37.5°	7903.0	8871.8	9457.5	9653.5	9457.5	8871.8	7903.0	6561.8	4862.3	2821.5	2261.8
35°	20816.3	23189.1	24625.4	25106.3	24625.4	23189.1	20816.3	17537.3	13391.8	9105.8	6546.3
32.5°	35961.9	38589.8	40183.0	40716.9	40183.0	38589.8	35961.9	32338.4	27770.0	22344.1	16132.4
30°	46036.0	47517.9	48418.1	48720.0	48418.1	47517.9	46036.0	43998.3	41437.9	36183.9	29378.8
27.5°	49916.9	50306.1	50543.0	50622.6	50543.0	50306.1	49916.9	49383.7	48705.2	45383.3	41596.1
25°	51705.2	52123.7	52379.4	52465.4	52379.4	52123.7	51705.2	51134.2	50417.1	49553.7	48111.2
22.5°	54107.5	54882.6	55358.1	55518.4	55358.1	54882.6	54107.5	53056.2	52037.5	51121.1	50072.9
20°	58557.7	60378.3	61501.8	61881.8	61501.8	60378.3	58557.7	56107.0	54360.1	52692.3	51479.9
17.5°	69733.2	76083.2	80033.6	81375.9	80033.6	76083.2	69733.2	61684.0	58340.0	55036.1	53011.1
15°	106290.6	136740.4	155912.5	162471.1	155912.5	136740.4	106290.6	77758.9	66300.8	59105.9	55036.1
12.5°	193467.4	274369.2	332064.2	353303.0	332064.2	274369.2	193467.4	131398.0	80541.8	66300.8	58340.0
10°	355302.7	465981.2	530132.8	552088.0	530132.8	465981.2	355302.7	223586.2	131398.0	77758.9	61684.0
7.5°	509470.9	603931.8	636057.0	642545.4	636057.0	603931.8	509470.9	355302.7	193467.4	106290.6	69733.2
5°	603931.8	649516.1	654846.5	654493.4	654846.5	649516.1	603931.8	465981.2	274369.2	136740.4	76083.2
2.5°	636057.0	654846.5	649683.4	646689.9	649683.4	654846.5	636057.0	530132.8	332064.2	155912.5	80033.6
0°	642545.4	654493.4	646689.9	644529.9	646689.9	654493.4	642545.4	552088.0	353303.0	162471.1	81375.9
-2.5°	636057.0	654846.5	649683.4	646689.9	649683.4	654846.5	636057.0	530132.8	332064.2	155912.5	80033.6
-5°	603931.8	649516.1	654846.5	654493.4	654846.5	649516.1	603931.8	465981.2	274369.2	136740.4	76083.2
-7.5°	509470.9	603931.8	636057.0	642545.4	636057.0	603931.8	509470.9	355302.7	193467.4	106290.6	69733.2
-10°	355302.7	465981.2	530132.8	552088.0	530132.8	465981.2	355302.7	223586.2	131398.0	77758.9	61684.0
-12.5°	193467.4	274369.2	332064.2	353303.0	332064.2	274369.2	193467.4	131398.0	80541.8	66300.8	58340.0
-15°	106290.6	136740.4	155912.5	162471.1	155912.5	136740.4	106290.6	77758.9	66300.8	59105.9	55036.1
-17.5°	69733.2	76083.2	80033.6	81375.9	80033.6	76083.2	69733.2	61684.0	58340.0	55036.1	53011.1
-20°	58557.7	60378.3	61501.8	61881.8	61501.8	60378.3	58557.7	56107.0	54360.1	52692.3	51479.9



REPORT NUMBER: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	54107.5	54882.6	55358.1	55518.4	55358.1	54882.6	54107.5	53056.2	52037.5	51121.1	50072.9
-25°	51705.2	52123.7	52379.4	52465.4	52379.4	52123.7	51705.2	51134.2	50417.1	49553.7	48111.2
-27.5°	49916.9	50306.1	50543.0	50622.6	50543.0	50306.1	49916.9	49383.7	48705.2	45383.3	41596.1
-30°	46036.0	47517.9	48418.1	48720.0	48418.1	47517.9	46036.0	43998.3	41437.9	36183.9	29378.8
-32.5°	35961.9	38589.8	40183.0	40716.9	40183.0	38589.8	35961.9	32338.4	27770.0	22344.1	16132.4
-35°	20816.3	23189.1	24625.4	25106.3	24625.4	23189.1	20816.3	17537.3	13391.8	9105.8	6546.3
-37.5°	7903.0	8871.8	9457.5	9653.5	9457.5	8871.8	7903.0	6561.8	4862.3	2821.5	2261.8
-40°	2410.2	2600.4	2715.2	2753.6	2715.2	2600.4	2410.2	2146.6	1811.9	1409.1	1204.8
-42.5°	1208.8	1245.6	1267.8	1275.2	1267.8	1245.6	1208.8	1157.7	1092.8	1014.5	957.3
-45°	954.1	959.2	962.3	963.3	962.3	959.2	954.1	947.0	938.0	927.0	912.0
-47.5°	896.8	907.5	913.9	916.1	913.9	907.5	896.8	881.9	862.9	840.0	813.2
-50°	777.4	794.5	804.8	808.2	804.8	794.5	777.4	753.6	723.2	686.4	643.5
-52.5°	586.5	605.2	616.4	620.2	616.4	605.2	586.5	560.5	527.3	487.0	439.9
-55°	377.4	387.5	393.7	395.7	393.7	387.5	377.4	363.2	345.1	323.2	297.5
-57.5°	252.3	257.7	260.9	262.0	260.9	257.7	252.3	244.9	235.3	223.7	210.1
-60°	180.7	182.8	184.1	184.5	184.1	182.8	180.7	177.7	173.9	169.3	163.9
-62.5°	148.0	149.4	150.3	150.6	150.3	149.4	148.0	145.9	143.3	140.2	136.4
-65°	123.0	124.0	124.6	124.8	124.6	124.0	123.0	121.6	119.8	117.7	115.2
-67.5°	103.8	104.6	105.0	105.2	105.0	104.6	103.8	102.8	101.4	99.7	97.8
-70°	87.1	87.7	88.1	88.2	88.1	87.7	87.1	86.3	85.2	83.9	82.4
-72.5°	71.9	72.6	73.0	73.1	73.0	72.6	71.9	70.9	69.7	68.3	66.6
-75°	52.8	53.2	53.4	53.5	53.4	53.2	52.8	52.3	51.6	50.7	49.7
-77.5°	39.6	39.9	40.0	40.1	40.0	39.9	39.6	39.2	38.7	38.1	37.4
-80°	28.2	28.3	28.5	28.5	28.5	28.3	28.2	27.9	27.6	27.2	26.7
-82.5°	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.3	18.1	17.9	17.6
-85°	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.5	10.4	10.3	10.2
-87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1
-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: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-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°	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.7
85°	10.0	9.9	9.7	9.5	9.3	9.0	8.7	8.5	8.2	7.9	7.5
82.5°	17.2	16.9	16.4	16.0	15.5	14.9	14.3	13.7	13.1	12.4	11.6
80°	26.1	25.5	24.8	24.0	23.2	22.3	21.4	20.3	19.3	18.2	17.3
77.5°	36.6	35.6	34.6	33.5	32.2	30.9	29.5	28.1	26.7	25.3	23.8
75°	48.5	47.3	45.8	44.2	42.5	40.7	38.9	37.1	35.2	33.1	31.0
72.5°	64.6	62.4	59.9	57.2	54.2	51.8	49.5	47.1	44.5	41.8	39.1
70°	80.6	78.7	76.5	74.1	71.0	67.3	63.5	59.3	55.0	51.4	48.1
67.5°	95.5	93.0	90.2	87.3	84.3	81.1	77.7	74.2	69.5	64.4	59.0
65°	112.2	109.0	105.4	101.9	98.2	94.2	89.9	85.7	81.5	77.1	72.2
62.5°	132.2	127.4	122.8	118.4	113.6	108.5	103.3	98.3	93.1	87.6	82.5
60°	157.7	150.8	144.9	138.5	131.6	124.3	118.4	112.0	105.4	99.3	93.0
57.5°	194.6	181.3	172.9	163.7	153.7	144.9	136.3	127.2	119.4	111.8	104.0
55°	268.1	246.5	225.5	202.5	181.6	170.0	157.7	146.1	135.8	125.0	116.4
52.5°	390.0	354.2	314.7	271.7	240.8	212.2	183.3	169.3	154.6	142.0	129.9
50°	589.5	524.2	452.4	382.9	332.9	279.6	239.4	205.0	177.7	161.3	145.8
47.5°	763.7	704.5	639.4	558.8	468.3	381.5	320.9	259.2	220.7	182.8	164.7
45°	879.0	842.3	797.3	721.3	639.8	540.3	431.3	348.9	277.9	228.6	184.5
42.5°	941.6	924.3	891.4	844.5	784.1	691.5	589.0	467.3	362.9	284.9	228.6
40°	1093.3	969.6	943.8	921.8	875.6	818.8	723.0	613.6	479.4	362.9	277.9
37.5°	1690.8	1229.7	1084.8	958.1	933.1	894.4	831.2	733.5	613.6	467.3	348.9
35°	3668.7	2270.3	1533.4	1163.1	986.6	938.7	900.8	831.2	723.0	589.0	431.3
32.5°	9439.5	6028.7	2665.6	1822.7	1202.8	1005.9	938.7	894.4	818.8	691.5	540.3
30°	21822.0	13609.1	7473.4	3278.5	1920.0	1202.8	986.6	933.1	875.6	784.1	639.8
27.5°	34234.1	25317.9	15863.2	7959.9	3278.5	1822.7	1163.1	958.1	921.8	844.5	721.3
25°	43571.3	36708.8	26508.5	15863.2	7473.4	2665.6	1533.4	1084.8	943.8	891.4	797.3
22.5°	48907.1	44239.2	36708.8	25317.9	13609.1	6028.7	2270.3	1229.7	969.6	924.3	842.3
20°	50249.0	48907.1	43571.3	34234.1	21822.0	9439.5	3668.7	1690.8	1093.3	941.6	879.0
17.5°	51479.9	50072.9	48111.2	41596.1	29378.8	16132.4	6546.3	2261.8	1204.8	957.3	912.0
15°	52692.3	51121.1	49553.7	45383.3	36183.9	22344.1	9105.8	2821.5	1409.1	1014.5	927.0
12.5°	54360.1	52037.5	50417.1	48705.2	41437.9	27770.0	13391.8	4862.3	1811.9	1092.8	938.0
10°	56107.0	53056.2	51134.2	49383.7	43998.3	32338.4	17537.3	6561.8	2146.6	1157.7	947.0
7.5°	58557.7	54107.5	51705.2	49916.9	46036.0	35961.9	20816.3	7903.0	2410.2	1208.8	954.1
5°	60378.3	54882.6	52123.7	50306.1	47517.9	38589.8	23189.1	8871.8	2600.4	1245.6	959.2
2.5°	61501.8	55358.1	52379.4	50543.0	48418.1	40183.0	24625.4	9457.5	2715.2	1267.8	962.3
0°	61881.8	55518.4	52465.4	50622.6	48720.0	40716.9	25106.3	9653.5	2753.6	1275.2	963.3
-2.5°	61501.8	55358.1	52379.4	50543.0	48418.1	40183.0	24625.4	9457.5	2715.2	1267.8	962.3
-5°	60378.3	54882.6	52123.7	50306.1	47517.9	38589.8	23189.1	8871.8	2600.4	1245.6	959.2
-7.5°	58557.7	54107.5	51705.2	49916.9	46036.0	35961.9	20816.3	7903.0	2410.2	1208.8	954.1
-10°	56107.0	53056.2	51134.2	49383.7	43998.3	32338.4	17537.3	6561.8	2146.6	1157.7	947.0
-12.5°	54360.1	52037.5	50417.1	48705.2	41437.9	27770.0	13391.8	4862.3	1811.9	1092.8	938.0
-15°	52692.3	51121.1	49553.7	45383.3	36183.9	22344.1	9105.8	2821.5	1409.1	1014.5	927.0
-17.5°	51479.9	50072.9	48111.2	41596.1	29378.8	16132.4	6546.3	2261.8	1204.8	957.3	912.0
-20°	50249.0	48907.1	43571.3	34234.1	21822.0	9439.5	3668.7	1690.8	1093.3	941.6	879.0



REPORT NUMBER: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	48907.1	44239.2	36708.8	25317.9	13609.1	6028.7	2270.3	1229.7	969.6	924.3	842.3
-25°	43571.3	36708.8	26508.5	15863.2	7473.4	2665.6	1533.4	1084.8	943.8	891.4	797.3
-27.5°	34234.1	25317.9	15863.2	7959.9	3278.5	1822.7	1163.1	958.1	921.8	844.5	721.3
-30°	21822.0	13609.1	7473.4	3278.5	1920.0	1202.8	986.6	933.1	875.6	784.1	639.8
-32.5°	9439.5	6028.7	2665.6	1822.7	1202.8	1005.9	938.7	894.4	818.8	691.5	540.3
-35°	3668.7	2270.3	1533.4	1163.1	986.6	938.7	900.8	831.2	723.0	589.0	431.3
-37.5°	1690.8	1229.7	1084.8	958.1	933.1	894.4	831.2	733.5	613.6	467.3	348.9
-40°	1093.3	969.6	943.8	921.8	875.6	818.8	723.0	613.6	479.4	362.9	277.9
-42.5°	941.6	924.3	891.4	844.5	784.1	691.5	589.0	467.3	362.9	284.9	228.6
-45°	879.0	842.3	797.3	721.3	639.8	540.3	431.3	348.9	277.9	228.6	184.5
-47.5°	763.7	704.5	639.4	558.8	468.3	381.5	320.9	259.2	220.7	182.8	164.7
-50°	589.5	524.2	452.4	382.9	332.9	279.6	239.4	205.0	177.7	161.3	145.8
-52.5°	390.0	354.2	314.7	271.7	240.8	212.2	183.3	169.3	154.6	142.0	129.9
-55°	268.1	246.5	225.5	202.5	181.6	170.0	157.7	146.1	135.8	125.0	116.4
-57.5°	194.6	181.3	172.9	163.7	153.7	144.9	136.3	127.2	119.4	111.8	104.0
-60°	157.7	150.8	144.9	138.5	131.6	124.3	118.4	112.0	105.4	99.3	93.0
-62.5°	132.2	127.4	122.8	118.4	113.6	108.5	103.3	98.3	93.1	87.6	82.5
-65°	112.2	109.0	105.4	101.9	98.2	94.2	89.9	85.7	81.5	77.1	72.2
-67.5°	95.5	93.0	90.2	87.3	84.3	81.1	77.7	74.2	69.5	64.4	59.0
-70°	80.6	78.7	76.5	74.1	71.0	67.3	63.5	59.3	55.0	51.4	48.1
-72.5°	64.6	62.4	59.9	57.2	54.2	51.8	49.5	47.1	44.5	41.8	39.1
-75°	48.5	47.3	45.8	44.2	42.5	40.7	38.9	37.1	35.2	33.1	31.0
-77.5°	36.6	35.6	34.6	33.5	32.2	30.9	29.5	28.1	26.7	25.3	23.8
-80°	26.1	25.5	24.8	24.0	23.2	22.3	21.4	20.3	19.3	18.2	17.3
-82.5°	17.2	16.9	16.4	16.0	15.5	14.9	14.3	13.7	13.1	12.4	11.6
-85°	10.0	9.9	9.7	9.5	9.3	9.0	8.7	8.5	8.2	7.9	7.5
-87.5°	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.7
-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: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-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°	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6
85°	7.2	6.8	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.6	3.2
82.5°	10.9	10.3	9.7	9.2	8.6	8.0	7.4	6.7	6.1	5.4	4.8
80°	16.3	15.2	14.1	13.0	11.8	10.7	9.8	9.0	8.1	7.3	6.4
77.5°	22.3	20.6	19.0	17.5	16.1	14.6	13.1	11.5	10.2	9.1	8.0
75°	28.8	26.8	24.8	22.8	20.6	18.5	16.7	14.8	12.9	11.0	9.5
72.5°	36.5	33.8	31.0	28.2	25.7	23.2	20.6	18.1	15.8	13.6	11.3
70°	44.7	41.2	37.9	34.6	31.2	27.9	24.9	21.9	18.8	16.2	13.6
67.5°	53.4	49.4	45.3	41.1	37.2	33.3	29.3	25.8	22.3	18.8	15.8
65°	66.0	59.5	53.0	48.3	43.4	38.7	34.3	29.8	25.8	21.9	18.1
62.5°	77.2	71.3	63.9	56.3	50.1	44.6	39.2	34.3	29.3	24.9	20.6
60°	86.6	80.6	74.4	66.6	58.1	50.7	44.6	38.7	33.3	27.9	23.2
57.5°	96.9	89.6	82.7	75.8	67.5	58.1	50.1	43.4	37.2	31.2	25.7
55°	107.5	99.3	91.2	83.4	75.8	66.6	56.3	48.3	41.1	34.6	28.2
52.5°	119.2	109.4	100.1	91.2	82.7	74.4	63.9	53.0	45.3	37.9	31.0
50°	132.4	120.1	109.4	99.3	89.6	80.6	71.3	59.5	49.4	41.2	33.8
47.5°	147.1	132.4	119.2	107.5	96.9	86.6	77.2	66.0	53.4	44.7	36.5
45°	164.7	145.8	129.9	116.4	104.0	93.0	82.5	72.2	59.0	48.1	39.1
42.5°	182.8	161.3	142.0	125.0	111.8	99.3	87.6	77.1	64.4	51.4	41.8
40°	220.7	177.7	154.6	135.8	119.4	105.4	93.1	81.5	69.5	55.0	44.5
37.5°	259.2	205.0	169.3	146.1	127.2	112.0	98.3	85.7	74.2	59.3	47.1
35°	320.9	239.4	183.3	157.7	136.3	118.4	103.3	89.9	77.7	63.5	49.5
32.5°	381.5	279.6	212.2	170.0	144.9	124.3	108.5	94.2	81.1	67.3	51.8
30°	468.3	332.9	240.8	181.6	153.7	131.6	113.6	98.2	84.3	71.0	54.2
27.5°	558.8	382.9	271.7	202.5	163.7	138.5	118.4	101.9	87.3	74.1	57.2
25°	639.4	452.4	314.7	225.5	172.9	144.9	122.8	105.4	90.2	76.5	59.9
22.5°	704.5	524.2	354.2	246.5	181.3	150.8	127.4	109.0	93.0	78.7	62.4
20°	763.7	589.5	390.0	268.1	194.6	157.7	132.2	112.2	95.5	80.6	64.6
17.5°	813.2	643.5	439.9	297.5	210.1	163.9	136.4	115.2	97.8	82.4	66.6
15°	840.0	686.4	487.0	323.2	223.7	169.3	140.2	117.7	99.7	83.9	68.3
12.5°	862.9	723.2	527.3	345.1	235.3	173.9	143.3	119.8	101.4	85.2	69.7
10°	881.9	753.6	560.5	363.2	244.9	177.7	145.9	121.6	102.8	86.3	70.9
7.5°	896.8	777.4	586.5	377.4	252.3	180.7	148.0	123.0	103.8	87.1	71.9
5°	907.5	794.5	605.2	387.5	257.7	182.8	149.4	124.0	104.6	87.7	72.6
2.5°	913.9	804.8	616.4	393.7	260.9	184.1	150.3	124.6	105.0	88.1	73.0
0°	916.1	808.2	620.2	395.7	262.0	184.5	150.6	124.8	105.2	88.2	73.1
-2.5°	913.9	804.8	616.4	393.7	260.9	184.1	150.3	124.6	105.0	88.1	73.0
-5°	907.5	794.5	605.2	387.5	257.7	182.8	149.4	124.0	104.6	87.7	72.6
-7.5°	896.8	777.4	586.5	377.4	252.3	180.7	148.0	123.0	103.8	87.1	71.9
-10°	881.9	753.6	560.5	363.2	244.9	177.7	145.9	121.6	102.8	86.3	70.9
-12.5°	862.9	723.2	527.3	345.1	235.3	173.9	143.3	119.8	101.4	85.2	69.7
-15°	840.0	686.4	487.0	323.2	223.7	169.3	140.2	117.7	99.7	83.9	68.3
-17.5°	813.2	643.5	439.9	297.5	210.1	163.9	136.4	115.2	97.8	82.4	66.6
-20°	763.7	589.5	390.0	268.1	194.6	157.7	132.2	112.2	95.5	80.6	64.6



REPORT NUMBER: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	704.5	524.2	354.2	246.5	181.3	150.8	127.4	109.0	93.0	78.7	62.4
-25°	639.4	452.4	314.7	225.5	172.9	144.9	122.8	105.4	90.2	76.5	59.9
-27.5°	558.8	382.9	271.7	202.5	163.7	138.5	118.4	101.9	87.3	74.1	57.2
-30°	468.3	332.9	240.8	181.6	153.7	131.6	113.6	98.2	84.3	71.0	54.2
-32.5°	381.5	279.6	212.2	170.0	144.9	124.3	108.5	94.2	81.1	67.3	51.8
-35°	320.9	239.4	183.3	157.7	136.3	118.4	103.3	89.9	77.7	63.5	49.5
-37.5°	259.2	205.0	169.3	146.1	127.2	112.0	98.3	85.7	74.2	59.3	47.1
-40°	220.7	177.7	154.6	135.8	119.4	105.4	93.1	81.5	69.5	55.0	44.5
-42.5°	182.8	161.3	142.0	125.0	111.8	99.3	87.6	77.1	64.4	51.4	41.8
-45°	164.7	145.8	129.9	116.4	104.0	93.0	82.5	72.2	59.0	48.1	39.1
-47.5°	147.1	132.4	119.2	107.5	96.9	86.6	77.2	66.0	53.4	44.7	36.5
-50°	132.4	120.1	109.4	99.3	89.6	80.6	71.3	59.5	49.4	41.2	33.8
-52.5°	119.2	109.4	100.1	91.2	82.7	74.4	63.9	53.0	45.3	37.9	31.0
-55°	107.5	99.3	91.2	83.4	75.8	66.6	56.3	48.3	41.1	34.6	28.2
-57.5°	96.9	89.6	82.7	75.8	67.5	58.1	50.1	43.4	37.2	31.2	25.7
-60°	86.6	80.6	74.4	66.6	58.1	50.7	44.6	38.7	33.3	27.9	23.2
-62.5°	77.2	71.3	63.9	56.3	50.1	44.6	39.2	34.3	29.3	24.9	20.6
-65°	66.0	59.5	53.0	48.3	43.4	38.7	34.3	29.8	25.8	21.9	18.1
-67.5°	53.4	49.4	45.3	41.1	37.2	33.3	29.3	25.8	22.3	18.8	15.8
-70°	44.7	41.2	37.9	34.6	31.2	27.9	24.9	21.9	18.8	16.2	13.6
-72.5°	36.5	33.8	31.0	28.2	25.7	23.2	20.6	18.1	15.8	13.6	11.3
-75°	28.8	26.8	24.8	22.8	20.6	18.5	16.7	14.8	12.9	11.0	9.5
-77.5°	22.3	20.6	19.0	17.5	16.1	14.6	13.1	11.5	10.2	9.1	8.0
-80°	16.3	15.2	14.1	13.0	11.8	10.7	9.8	9.0	8.1	7.3	6.4
-82.5°	10.9	10.3	9.7	9.2	8.6	8.0	7.4	6.7	6.1	5.4	4.8
-85°	7.2	6.8	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.6	3.2
-87.5°	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-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°	1.4	1.1	0.9	0.7	0.5	0.2	0.0
85°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
82.5°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
80°	5.5	4.6	3.7	2.8	1.8	0.9	0.0
77.5°	6.8	5.7	4.6	3.4	2.3	1.1	0.0
75°	8.2	6.8	5.5	4.1	2.7	1.4	0.0
72.5°	9.5	8.0	6.4	4.8	3.2	1.6	0.0
70°	11.0	9.1	7.3	5.4	3.6	1.8	0.0
67.5°	12.9	10.2	8.1	6.1	4.1	2.0	0.0
65°	14.8	11.5	9.0	6.7	4.5	2.2	0.0
62.5°	16.7	13.1	9.8	7.4	4.9	2.4	0.0
60°	18.5	14.6	10.7	8.0	5.3	2.6	0.0
57.5°	20.6	16.1	11.8	8.6	5.7	2.8	0.0
55°	22.8	17.5	13.0	9.2	6.1	3.0	0.0
52.5°	24.8	19.0	14.1	9.7	6.5	3.2	0.0
50°	26.8	20.6	15.2	10.3	6.8	3.4	0.0
47.5°	28.8	22.3	16.3	10.9	7.2	3.6	0.0
45°	31.0	23.8	17.3	11.6	7.5	3.7	0.0
42.5°	33.1	25.3	18.2	12.4	7.9	3.9	0.0
40°	35.2	26.7	19.3	13.1	8.2	4.1	0.0
37.5°	37.1	28.1	20.3	13.7	8.5	4.2	0.0
35°	38.9	29.5	21.4	14.3	8.7	4.3	0.0
32.5°	40.7	30.9	22.3	14.9	9.0	4.5	0.0
30°	42.5	32.2	23.2	15.5	9.3	4.6	0.0
27.5°	44.2	33.5	24.0	16.0	9.5	4.7	0.0
25°	45.8	34.6	24.8	16.4	9.7	4.8	0.0
22.5°	47.3	35.6	25.5	16.9	9.9	4.9	0.0
20°	48.5	36.6	26.1	17.2	10.0	5.0	0.0
17.5°	49.7	37.4	26.7	17.6	10.2	5.1	0.0
15°	50.7	38.1	27.2	17.9	10.3	5.1	0.0
12.5°	51.6	38.7	27.6	18.1	10.4	5.2	0.0
10°	52.3	39.2	27.9	18.3	10.5	5.2	0.0
7.5°	52.8	39.6	28.2	18.5	10.6	5.3	0.0
5°	53.2	39.9	28.3	18.6	10.7	5.3	0.0
2.5°	53.4	40.0	28.5	18.7	10.7	5.3	0.0
0°	53.5	40.1	28.5	18.7	10.7	5.3	0.0
-2.5°	53.4	40.0	28.5	18.7	10.7	5.3	0.0
-5°	53.2	39.9	28.3	18.6	10.7	5.3	0.0
-7.5°	52.8	39.6	28.2	18.5	10.6	5.3	0.0
-10°	52.3	39.2	27.9	18.3	10.5	5.2	0.0
-12.5°	51.6	38.7	27.6	18.1	10.4	5.2	0.0
-15°	50.7	38.1	27.2	17.9	10.3	5.1	0.0
-17.5°	49.7	37.4	26.7	17.6	10.2	5.1	0.0
-20°	48.5	36.6	26.1	17.2	10.0	5.0	0.0



REPORT NUMBER: P1306523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5R-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	47.3	35.6	25.5	16.9	9.9	4.9	0.0
-25°	45.8	34.6	24.8	16.4	9.7	4.8	0.0
-27.5°	44.2	33.5	24.0	16.0	9.5	4.7	0.0
-30°	42.5	32.2	23.2	15.5	9.3	4.6	0.0
-32.5°	40.7	30.9	22.3	14.9	9.0	4.5	0.0
-35°	38.9	29.5	21.4	14.3	8.7	4.3	0.0
-37.5°	37.1	28.1	20.3	13.7	8.5	4.2	0.0
-40°	35.2	26.7	19.3	13.1	8.2	4.1	0.0
-42.5°	33.1	25.3	18.2	12.4	7.9	3.9	0.0
-45°	31.0	23.8	17.3	11.6	7.5	3.7	0.0
-47.5°	28.8	22.3	16.3	10.9	7.2	3.6	0.0
-50°	26.8	20.6	15.2	10.3	6.8	3.4	0.0
-52.5°	24.8	19.0	14.1	9.7	6.5	3.2	0.0
-55°	22.8	17.5	13.0	9.2	6.1	3.0	0.0
-57.5°	20.6	16.1	11.8	8.6	5.7	2.8	0.0
-60°	18.5	14.6	10.7	8.0	5.3	2.6	0.0
-62.5°	16.7	13.1	9.8	7.4	4.9	2.4	0.0
-65°	14.8	11.5	9.0	6.7	4.5	2.2	0.0
-67.5°	12.9	10.2	8.1	6.1	4.1	2.0	0.0
-70°	11.0	9.1	7.3	5.4	3.6	1.8	0.0
-72.5°	9.5	8.0	6.4	4.8	3.2	1.6	0.0
-75°	8.2	6.8	5.5	4.1	2.7	1.4	0.0
-77.5°	6.8	5.7	4.6	3.4	2.3	1.1	0.0
-80°	5.5	4.6	3.7	2.8	1.8	0.9	0.0
-82.5°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
-85°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
-87.5°	1.4	1.1	0.9	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)