

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: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-70-3R-A**

Issue Date: 2/3/2026

Test Information

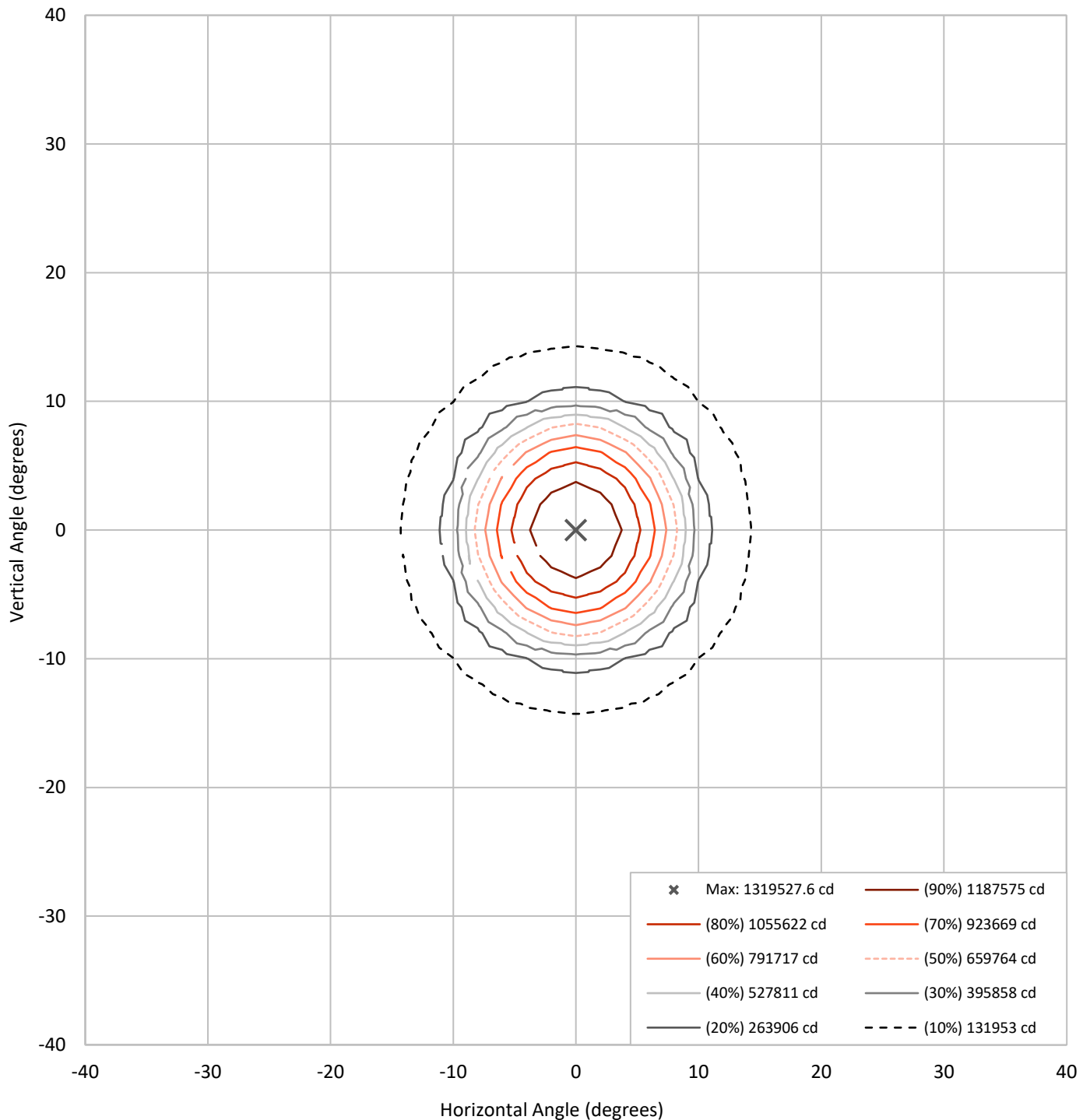
Test Method: LM-79-08
Report Number: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-50)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-57-70-3R-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 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:	167547.8 lumens	Max Intensity:	1319527.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	129.9 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:	61266.9 lumens	Field Lumens:	99596.1 lumens
Beam Efficiency:	36.6%	Field Efficiency:	59.4%
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





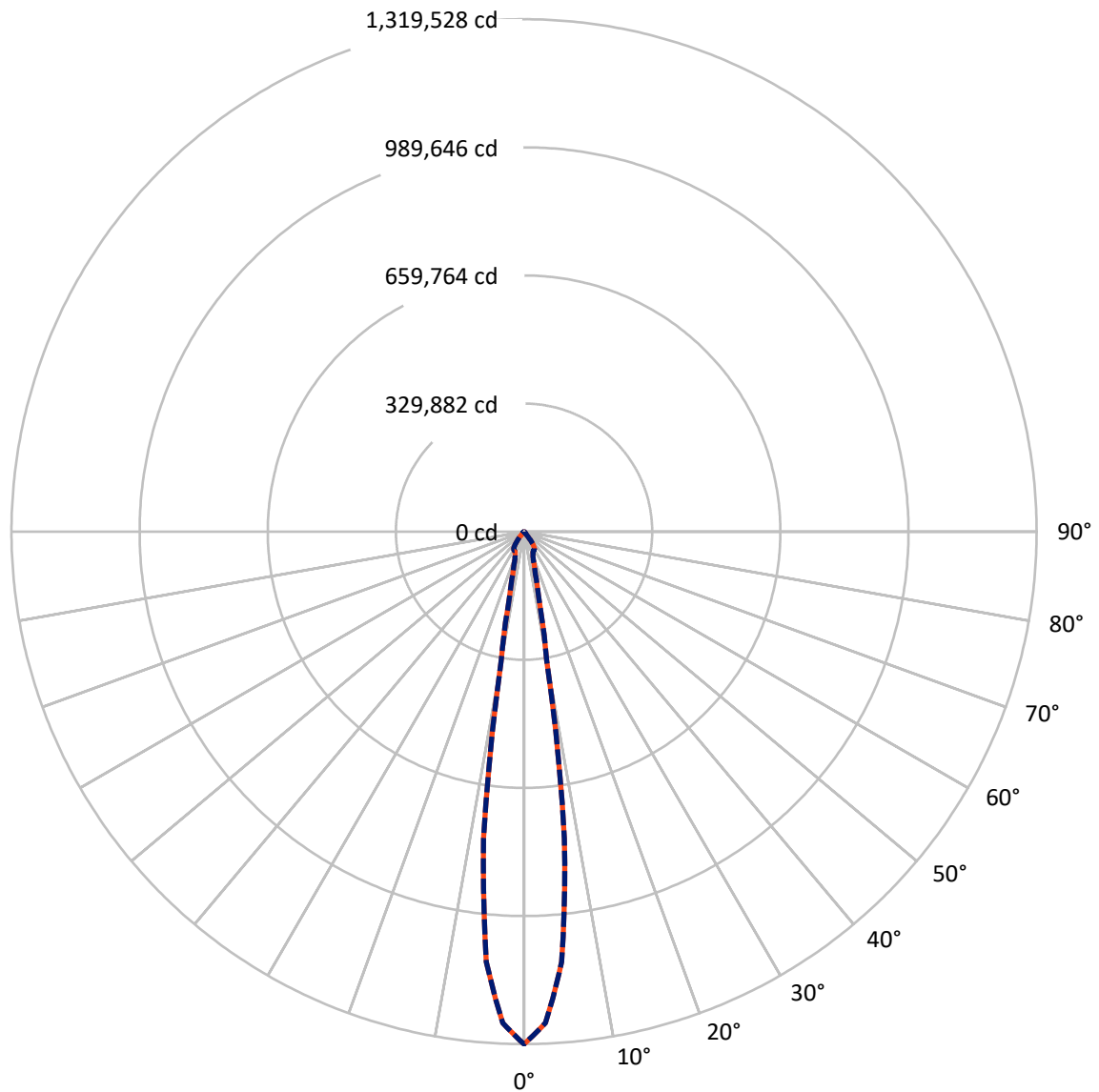
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Lumen Table

90	0.1	0.8		2.1		3.3		3.9		3.3		2.1		0.8		0.1
80	0.1	0.8		2.1		3.3		3.9		3.3		2.1		0.8		0.1
70	0.4	0.4	0.8	1.4	2.2	3.1	4.0	4.5	4.5	4.0	3.1	2.2	1.4	0.8	0.4	0.4
60		0.6	1.4	2.9	5.6	10.3	15.3	18.1	18.1	15.3	10.3	5.6	2.9	1.4	0.6	
50	0.6	0.8	2.3	6.4	15.9	25.8	53.0	88.2	88.2	53.0	25.8	15.9	6.4	2.3	0.8	0.6
40		1.2	4.0	13.8	34.1	218.4	697.2	1040.2	1040.2	697.2	218.4	34.1	13.8	4.0	1.2	
30	0.9	1.5	6.7	20.3	199.6	1017.1	1541.2	1709.8	1709.8	1541.2	1017.1	199.6	20.3	6.7	1.5	0.9
20		1.8	9.3	39.7	600.3	1447.1	1973.6	3555.3	3555.3	1973.6	1447.1	600.3	39.7	9.3	1.8	
10	0.9	2.0	10.7	64.8	866.3	1557.4	3461.6	21518.5	21518.5	3461.6	1557.4	866.3	64.8	10.7	2.0	0.9
0		2.0	10.7	64.8	866.3	1557.4	3461.6	21518.5	21518.5	3461.6	1557.4	866.3	64.8	10.7	2.0	
-10	0.9	1.8	9.3	39.7	600.3	1447.1	1973.6	3555.3	3555.3	1973.6	1447.1	600.3	39.7	9.3	1.8	0.9
-20		1.5	6.7	20.3	199.6	1017.1	1541.2	1709.8	1709.8	1541.2	1017.1	199.6	20.3	6.7	1.5	
-30	0.6	1.2	4.0	13.8	34.1	218.4	697.2	1040.2	1040.2	697.2	218.4	34.1	13.8	4.0	1.2	0.6
-40		0.8	2.3	6.4	15.9	25.8	53.0	88.2	88.2	53.0	25.8	15.9	6.4	2.3	0.8	
-50	0.4	0.6	1.4	2.9	5.6	10.3	15.3	18.1	18.1	15.3	10.3	5.6	2.9	1.4	0.6	0.4
-60		0.4	0.8	1.4	2.2	3.1	4.0	4.5	4.5	4.0	3.1	2.2	1.4	0.8	0.4	
-70	0.1	0.8		2.1		3.3		3.9		3.3		2.1		0.8		0.1
-80		0.8		2.1		3.3		3.9		3.3		2.1		0.8		
-90	0.1	0.8		2.1		3.3		3.9		3.3		2.1		0.8		0.1

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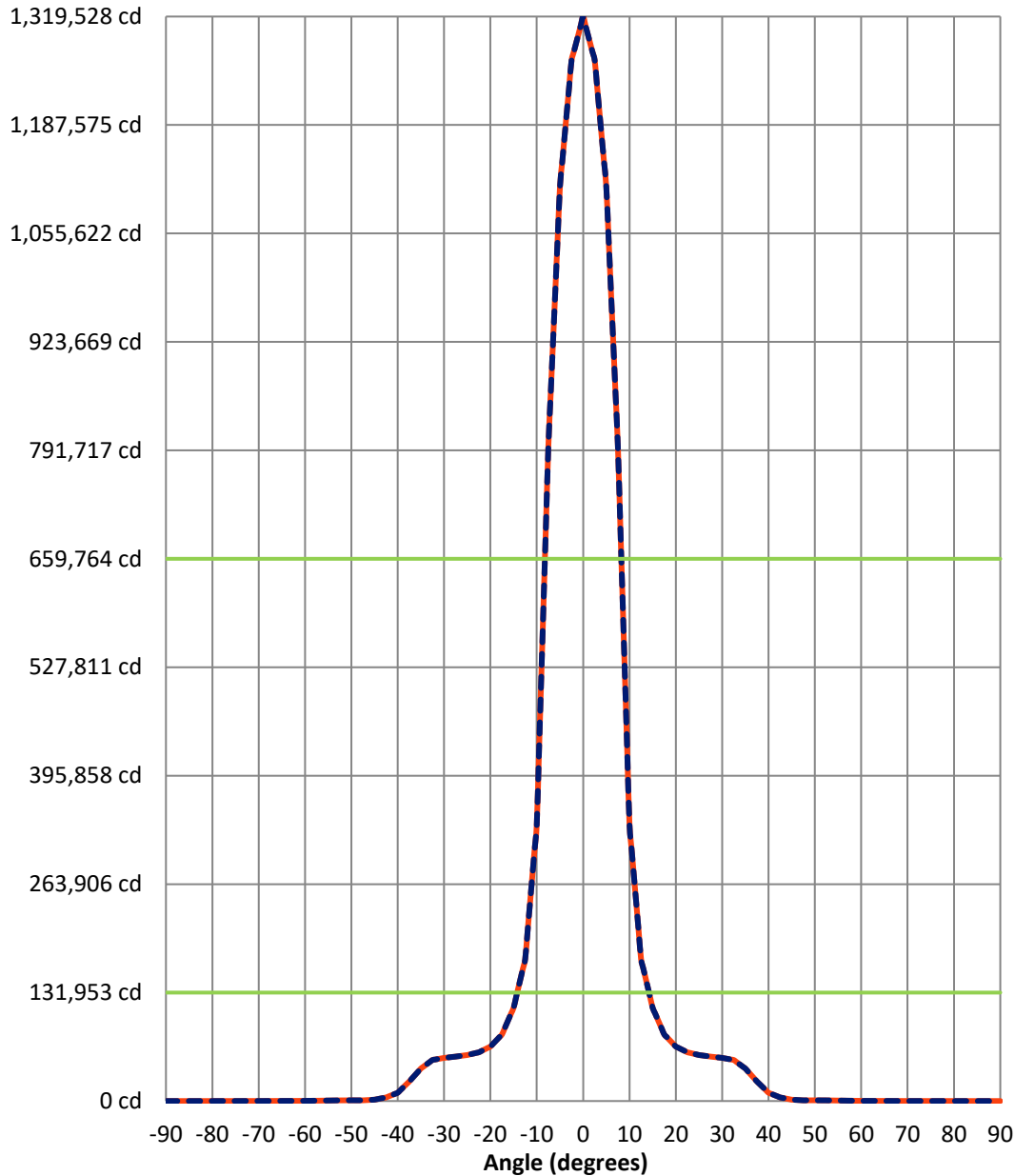
Luminous Intensity Polar Plot



— 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: 61266.9
 Efficiency: 36.6%

Field:
 H Angle: 28.4°
 V Angle: 28.4°
 Lumens: 99596.1
 Efficiency: 59.4%

Spill:
 Lumens: 67951.7
 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	10.5
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	13.0	15.7	18.3
70°	0.0	3.3	6.6	9.6	9.6	9.6	9.9	13.0	16.1	19.2	22.2
67.5°	0.0	3.7	7.3	9.6	9.6	9.6	12.2	15.7	19.2	22.6	26.0
65°	0.0	4.1	8.1	9.6	9.6	10.5	14.5	18.3	22.2	26.0	29.8
62.5°	0.0	4.4	8.9	9.6	9.6	12.4	16.7	20.9	25.2	29.4	33.5
60°	0.0	4.8	9.6	9.6	9.6	14.2	18.9	23.5	28.1	32.6	37.1
57.5°	0.0	5.2	9.6	9.6	10.9	16.0	21.0	26.0	30.9	35.8	40.6
55°	0.0	5.5	9.6	9.6	12.3	17.7	23.1	28.4	33.7	38.9	44.1
52.5°	0.0	5.8	9.6	9.6	13.7	19.4	25.1	30.8	36.4	41.9	47.4
50°	0.0	6.2	9.6	9.6	15.0	21.0	27.1	33.1	39.0	44.9	53.6
47.5°	0.0	6.5	9.6	9.8	16.2	22.6	29.0	35.2	41.5	47.7	59.9
45°	0.0	6.8	9.6	10.7	17.4	24.1	30.8	37.4	43.9	53.1	66.0
42.5°	0.0	7.1	9.6	11.6	18.6	25.6	32.5	39.4	46.3	58.4	69.4
40°	0.0	7.4	9.6	12.4	19.7	26.9	34.2	41.3	49.2	63.4	72.2
37.5°	0.0	7.6	9.6	13.2	20.7	28.3	35.7	43.2	53.5	67.6	74.9
35°	0.0	7.9	9.6	13.9	21.7	29.5	37.2	45.0	57.5	69.9	79.4
32.5°	0.0	8.1	9.6	14.6	22.6	30.7	38.6	46.6	61.3	72.0	86.6
30°	0.0	8.3	9.6	15.3	23.5	31.8	39.9	48.5	64.8	74.0	93.3
27.5°	0.0	8.5	9.6	15.9	24.3	32.8	41.2	51.4	67.5	75.9	99.6
25°	0.0	8.7	9.6	16.4	25.1	33.7	42.3	54.0	69.0	79.9	105.5
22.5°	0.0	8.9	9.6	16.9	25.8	34.5	43.3	56.4	70.4	84.6	114.3
20°	0.0	9.0	9.6	17.4	26.4	35.3	44.3	58.6	71.7	88.8	122.3
17.5°	0.0	9.2	9.6	17.8	26.9	36.0	45.1	60.5	72.8	92.6	129.4
15°	0.0	9.3	9.6	18.1	27.4	36.6	45.8	62.2	73.8	95.9	135.6
12.5°	0.0	9.4	9.6	18.4	27.8	37.1	46.4	63.6	74.6	98.7	140.8
10°	0.0	9.5	9.6	18.7	28.1	37.5	46.9	64.8	75.3	101.0	145.2
7.5°	0.0	9.5	9.6	18.9	28.4	37.8	47.3	65.7	75.8	102.8	148.5
5°	0.0	9.6	9.6	19.0	28.6	38.0	47.6	66.4	76.2	104.1	151.0
2.5°	0.0	9.6	9.6	19.1	28.7	38.2	47.7	66.8	76.4	104.8	152.4
0°	0.0	9.6	9.6	19.1	28.7	38.2	47.7	66.8	76.4	104.8	152.4
-2.5°	0.0	9.6	9.6	19.1	28.7	38.2	47.7	66.8	76.4	104.8	152.4
-5°	0.0	9.6	9.6	19.0	28.6	38.0	47.6	66.4	76.2	104.1	151.0
-7.5°	0.0	9.5	9.6	18.9	28.4	37.8	47.3	65.7	75.8	102.8	148.5
-10°	0.0	9.5	9.6	18.7	28.1	37.5	46.9	64.8	75.3	101.0	145.2
-12.5°	0.0	9.4	9.6	18.4	27.8	37.1	46.4	63.6	74.6	98.7	140.8
-15°	0.0	9.3	9.6	18.1	27.4	36.6	45.8	62.2	73.8	95.9	135.6
-17.5°	0.0	9.2	9.6	17.8	26.9	36.0	45.1	60.5	72.8	92.6	129.4
-20°	0.0	9.0	9.6	17.4	26.4	35.3	44.3	58.6	71.7	88.8	122.3



REPORT NUMBER: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-A

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	16.9	25.8	34.5	43.3	56.4	70.4	84.6	114.3
-25°	0.0	8.7	9.6	16.4	25.1	33.7	42.3	54.0	69.0	79.9	105.5
-27.5°	0.0	8.5	9.6	15.9	24.3	32.8	41.2	51.4	67.5	75.9	99.6
-30°	0.0	8.3	9.6	15.3	23.5	31.8	39.9	48.5	64.8	74.0	93.3
-32.5°	0.0	8.1	9.6	14.6	22.6	30.7	38.6	46.6	61.3	72.0	86.6
-35°	0.0	7.9	9.6	13.9	21.7	29.5	37.2	45.0	57.5	69.9	79.4
-37.5°	0.0	7.6	9.6	13.2	20.7	28.3	35.7	43.2	53.5	67.6	74.9
-40°	0.0	7.4	9.6	12.4	19.7	26.9	34.2	41.3	49.2	63.4	72.2
-42.5°	0.0	7.1	9.6	11.6	18.6	25.6	32.5	39.4	46.3	58.4	69.4
-45°	0.0	6.8	9.6	10.7	17.4	24.1	30.8	37.4	43.9	53.1	66.0
-47.5°	0.0	6.5	9.6	9.8	16.2	22.6	29.0	35.2	41.5	47.7	59.9
-50°	0.0	6.2	9.6	9.6	15.0	21.0	27.1	33.1	39.0	44.9	53.6
-52.5°	0.0	5.8	9.6	9.6	13.7	19.4	25.1	30.8	36.4	41.9	47.4
-55°	0.0	5.5	9.6	9.6	12.3	17.7	23.1	28.4	33.7	38.9	44.1
-57.5°	0.0	5.2	9.6	9.6	10.9	16.0	21.0	26.0	30.9	35.8	40.6
-60°	0.0	4.8	9.6	9.6	9.6	14.2	18.9	23.5	28.1	32.6	37.1
-62.5°	0.0	4.4	8.9	9.6	9.6	12.4	16.7	20.9	25.2	29.4	33.5
-65°	0.0	4.1	8.1	9.6	9.6	10.5	14.5	18.3	22.2	26.0	29.8
-67.5°	0.0	3.7	7.3	9.6	9.6	9.6	12.2	15.7	19.2	22.6	26.0
-70°	0.0	3.3	6.6	9.6	9.6	9.6	9.9	13.0	16.1	19.2	22.2
-72.5°	0.0	2.9	5.8	8.6	9.6	9.6	9.6	10.3	13.0	15.7	18.3
-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	10.5
-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: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-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°	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	10.9	12.3	13.7	15.0	16.2	17.4	18.6	19.7	20.7
77.5°	12.4	14.2	16.0	17.7	19.4	21.0	22.6	24.1	25.6	26.9	28.3
75°	16.7	18.9	21.0	23.1	25.1	27.1	29.0	30.8	32.5	34.2	35.7
72.5°	20.9	23.5	26.0	28.4	30.8	33.1	35.2	37.4	39.4	41.3	43.2
70°	25.2	28.1	30.9	33.7	36.4	39.0	41.5	43.9	46.3	49.2	53.5
67.5°	29.4	32.6	35.8	38.9	41.9	44.9	47.7	53.1	58.4	63.4	67.6
65°	33.5	37.1	40.6	44.1	47.4	53.6	59.9	66.0	69.4	72.2	74.9
62.5°	37.5	41.5	45.4	50.5	57.9	65.1	69.5	72.9	76.1	84.7	93.5
60°	41.5	45.8	52.3	60.5	67.7	71.7	75.5	84.6	95.2	105.5	121.7
57.5°	45.4	52.3	61.4	68.6	73.0	78.8	91.2	103.1	121.1	139.6	155.6
55°	50.5	60.5	68.6	73.5	81.5	95.2	110.8	132.4	153.1	165.1	176.6
52.5°	57.9	67.7	73.0	81.5	96.5	115.3	139.2	158.6	172.1	190.7	223.8
50°	65.1	71.7	78.8	95.2	115.3	141.5	161.4	176.3	205.7	242.8	298.5
47.5°	69.5	75.5	91.2	110.8	139.2	161.4	177.7	213.3	254.3	329.5	405.5
45°	72.9	84.6	103.1	132.4	158.6	176.3	213.3	258.1	345.1	437.2	553.8
42.5°	76.1	95.2	121.1	153.1	172.1	205.7	254.3	345.1	448.6	577.0	691.8
40°	84.7	105.5	139.6	165.1	190.7	242.8	329.5	437.2	577.0	702.1	816.4
37.5°	93.5	121.7	155.6	176.6	223.8	298.5	405.5	553.8	691.8	816.4	868.0
35°	102.0	137.2	165.7	197.6	255.4	366.5	507.8	661.1	795.4	863.8	894.3
32.5°	113.1	151.8	175.2	225.4	312.7	439.9	607.5	753.9	851.0	896.5	883.1
30°	125.6	160.5	188.7	251.5	369.2	527.6	692.6	830.0	888.6	886.5	1167.8
27.5°	137.2	168.1	211.1	293.7	427.0	609.8	769.7	863.1	892.0	976.9	1594.1
25°	147.9	175.2	231.8	338.9	497.6	679.1	829.8	894.0	883.7	1351.2	2754.4
22.5°	155.8	182.0	250.8	380.4	562.5	740.3	856.3	892.4	1018.7	1738.1	4033.3
20°	161.1	197.6	277.9	421.1	621.4	795.9	880.3	885.9	1313.9	2829.3	6022.7
17.5°	165.8	211.6	308.6	469.3	668.4	831.5	897.5	880.0	1579.6	3813.6	8204.4
15°	170.0	223.8	335.4	511.6	708.5	848.9	892.8	1065.4	2134.2	4946.5	10218.7
12.5°	173.5	234.2	358.3	547.7	742.8	863.9	888.7	1251.0	2825.1	6485.5	14283.8
10°	176.4	242.8	377.2	577.4	771.1	876.2	885.4	1404.7	3398.1	7764.2	17669.0
7.5°	178.7	249.5	391.9	600.7	793.3	885.9	882.7	1525.4	3848.8	8771.4	20340.6
5°	180.3	254.3	402.5	617.4	809.2	892.8	880.8	1612.3	4173.4	9497.9	22270.3
2.5°	181.3	257.1	408.9	627.4	818.8	897.0	879.7	1664.7	4369.3	9936.7	23437.0
0°	181.6	258.1	411.0	630.8	822.0	898.4	879.3	1682.2	4434.8	10083.4	23827.4
-2.5°	181.3	257.1	408.9	627.4	818.8	897.0	879.7	1664.7	4369.3	9936.7	23437.0
-5°	180.3	254.3	402.5	617.4	809.2	892.8	880.8	1612.3	4173.4	9497.9	22270.3
-7.5°	178.7	249.5	391.9	600.7	793.3	885.9	882.7	1525.4	3848.8	8771.4	20340.6
-10°	176.4	242.8	377.2	577.4	771.1	876.2	885.4	1404.7	3398.1	7764.2	17669.0
-12.5°	173.5	234.2	358.3	547.7	742.8	863.9	888.7	1251.0	2825.1	6485.5	14283.8
-15°	170.0	223.8	335.4	511.6	708.5	848.9	892.8	1065.4	2134.2	4946.5	10218.7
-17.5°	165.8	211.6	308.6	469.3	668.4	831.5	897.5	880.0	1579.6	3813.6	8204.4
-20°	161.1	197.6	277.9	421.1	621.4	795.9	880.3	885.9	1313.9	2829.3	6022.7



REPORT NUMBER: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	155.8	182.0	250.8	380.4	562.5	740.3	856.3	892.4	1018.7	1738.1	4033.3
-25°	147.9	175.2	231.8	338.9	497.6	679.1	829.8	894.0	883.7	1351.2	2754.4
-27.5°	137.2	168.1	211.1	293.7	427.0	609.8	769.7	863.1	892.0	976.9	1594.1
-30°	125.6	160.5	188.7	251.5	369.2	527.6	692.6	830.0	888.6	886.5	1167.8
-32.5°	113.1	151.8	175.2	225.4	312.7	439.9	607.5	753.9	851.0	896.5	883.1
-35°	102.0	137.2	165.7	197.6	255.4	366.5	507.8	661.1	795.4	863.8	894.3
-37.5°	93.5	121.7	155.6	176.6	223.8	298.5	405.5	553.8	691.8	816.4	868.0
-40°	84.7	105.5	139.6	165.1	190.7	242.8	329.5	437.2	577.0	702.1	816.4
-42.5°	76.1	95.2	121.1	153.1	172.1	205.7	254.3	345.1	448.6	577.0	691.8
-45°	72.9	84.6	103.1	132.4	158.6	176.3	213.3	258.1	345.1	437.2	553.8
-47.5°	69.5	75.5	91.2	110.8	139.2	161.4	177.7	213.3	254.3	329.5	405.5
-50°	65.1	71.7	78.8	95.2	115.3	141.5	161.4	176.3	205.7	242.8	298.5
-52.5°	57.9	67.7	73.0	81.5	96.5	115.3	139.2	158.6	172.1	190.7	223.8
-55°	50.5	60.5	68.6	73.5	81.5	95.2	110.8	132.4	153.1	165.1	176.6
-57.5°	45.4	52.3	61.4	68.6	73.0	78.8	91.2	103.1	121.1	139.6	155.6
-60°	41.5	45.8	52.3	60.5	67.7	71.7	75.5	84.6	95.2	105.5	121.7
-62.5°	37.5	41.5	45.4	50.5	57.9	65.1	69.5	72.9	76.1	84.7	93.5
-65°	33.5	37.1	40.6	44.1	47.4	53.6	59.9	66.0	69.4	72.2	74.9
-67.5°	29.4	32.6	35.8	38.9	41.9	44.9	47.7	53.1	58.4	63.4	67.6
-70°	25.2	28.1	30.9	33.7	36.4	39.0	41.5	43.9	46.3	49.2	53.5
-72.5°	20.9	23.5	26.0	28.4	30.8	33.1	35.2	37.4	39.4	41.3	43.2
-75°	16.7	18.9	21.0	23.1	25.1	27.1	29.0	30.8	32.5	34.2	35.7
-77.5°	12.4	14.2	16.0	17.7	19.4	21.0	22.6	24.1	25.6	26.9	28.3
-80°	9.6	9.6	10.9	12.3	13.7	15.0	16.2	17.4	18.6	19.7	20.7
-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: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-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°	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°	13.9	14.6	15.3	15.9	16.4	16.9	17.4	17.8	18.1	18.4	18.7
80°	21.7	22.6	23.5	24.3	25.1	25.8	26.4	26.9	27.4	27.8	28.1
77.5°	29.5	30.7	31.8	32.8	33.7	34.5	35.3	36.0	36.6	37.1	37.5
75°	37.2	38.6	39.9	41.2	42.3	43.3	44.3	45.1	45.8	46.4	46.9
72.5°	45.0	46.6	48.5	51.4	54.0	56.4	58.6	60.5	62.2	63.6	64.8
70°	57.5	61.3	64.8	67.5	69.0	70.4	71.7	72.8	73.8	74.6	75.3
67.5°	69.9	72.0	74.0	75.9	79.9	84.6	88.8	92.6	95.9	98.7	101.0
65°	79.4	86.6	93.3	99.6	105.5	114.3	122.3	129.4	135.6	140.8	145.2
62.5°	102.0	113.1	125.6	137.2	147.9	155.8	161.1	165.8	170.0	173.5	176.4
60°	137.2	151.8	160.5	168.1	175.2	182.0	197.6	211.6	223.8	234.2	242.8
57.5°	165.7	175.2	188.7	211.1	231.8	250.8	277.9	308.6	335.4	358.3	377.2
55°	197.6	225.4	251.5	293.7	338.9	380.4	421.1	469.3	511.6	547.7	577.4
52.5°	255.4	312.7	369.2	427.0	497.6	562.5	621.4	668.4	708.5	742.8	771.1
50°	366.5	439.9	527.6	609.8	679.1	740.3	795.9	831.5	848.9	863.9	876.2
47.5°	507.8	607.5	692.6	769.7	829.8	856.3	880.3	897.5	892.8	888.7	885.4
45°	661.1	753.9	830.0	863.1	894.0	892.4	885.9	880.0	1065.4	1251.0	1404.7
42.5°	795.4	851.0	888.6	892.0	883.7	1018.7	1313.9	1579.6	2134.2	2825.1	3398.1
40°	863.8	896.5	886.5	976.9	1351.2	1738.1	2829.3	3813.6	4946.5	6485.5	7764.2
37.5°	894.3	883.1	1167.8	1594.1	2754.4	4033.3	6022.7	8204.4	10218.7	14283.8	17669.0
35°	882.0	1264.3	1887.7	3445.9	5421.3	8236.8	11906.1	17638.1	22736.4	27633.2	31853.6
32.5°	1264.3	2058.2	3796.0	6526.7	9747.1	16607.2	23401.1	30423.4	36747.3	41335.4	44381.4
30°	1887.7	3796.0	6898.4	11129.0	19484.8	27854.5	36215.7	42408.0	46945.4	50195.9	51006.2
27.5°	3445.9	6526.7	11129.0	20453.9	30149.3	39700.5	45645.3	50245.9	51444.5	52495.8	53054.0
25°	5421.3	9747.1	19484.8	30149.3	40494.3	47295.3	50871.1	52307.8	53195.7	53915.7	54617.8
22.5°	8236.8	16607.2	27854.5	39700.5	47295.3	51082.4	52656.5	53628.7	54604.2	55554.8	56638.5
20°	11906.1	23401.1	36215.7	45645.3	50871.1	52656.5	53775.6	54976.4	56244.4	58050.9	59953.7
17.5°	17638.1	30423.4	42408.0	50245.9	52307.8	53628.7	54976.4	56589.7	58783.2	62412.0	66093.6
15°	22736.4	36747.3	46945.4	51444.5	53195.7	54604.2	56244.4	58783.2	63255.2	69654.4	78322.6
12.5°	27633.2	41335.4	50195.9	52495.8	53915.7	55554.8	58050.9	62412.0	69654.4	80427.9	101068.3
10°	31853.6	44381.4	51006.2	53054.0	54617.8	56638.5	59953.7	66093.6	78322.6	101068.3	131115.9
7.5°	35191.9	46797.3	51651.1	53498.6	55210.0	57777.3	62651.7	72251.1	91025.0	122433.3	173397.3
5°	37607.5	48549.5	52120.1	53823.1	55644.2	58616.9	64656.1	77054.9	103205.3	146471.7	230850.9
2.5°	39069.8	49611.7	52404.9	54020.7	55909.4	59131.9	65893.0	80043.5	110874.3	165162.3	307168.4
0°	39559.4	49967.7	52500.5	54087.1	55998.6	59305.6	66311.4	81058.9	113497.8	172688.7	336804.1
-2.5°	39069.8	49611.7	52404.9	54020.7	55909.4	59131.9	65893.0	80043.5	110874.3	165162.3	307168.4
-5°	37607.5	48549.5	52120.1	53823.1	55644.2	58616.9	64656.1	77054.9	103205.3	146471.7	230850.9
-7.5°	35191.9	46797.3	51651.1	53498.6	55210.0	57777.3	62651.7	72251.1	91025.0	122433.3	173397.3
-10°	31853.6	44381.4	51006.2	53054.0	54617.8	56638.5	59953.7	66093.6	78322.6	101068.3	131115.9
-12.5°	27633.2	41335.4	50195.9	52495.8	53915.7	55554.8	58050.9	62412.0	69654.4	80427.9	101068.3
-15°	22736.4	36747.3	46945.4	51444.5	53195.7	54604.2	56244.4	58783.2	63255.2	69654.4	78322.6
-17.5°	17638.1	30423.4	42408.0	50245.9	52307.8	53628.7	54976.4	56589.7	58783.2	62412.0	66093.6
-20°	11906.1	23401.1	36215.7	45645.3	50871.1	52656.5	53775.6	54976.4	56244.4	58050.9	59953.7



REPORT NUMBER: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8236.8	16607.2	27854.5	39700.5	47295.3	51082.4	52656.5	53628.7	54604.2	55554.8	56638.5
-25°	5421.3	9747.1	19484.8	30149.3	40494.3	47295.3	50871.1	52307.8	53195.7	53915.7	54617.8
-27.5°	3445.9	6526.7	11129.0	20453.9	30149.3	39700.5	45645.3	50245.9	51444.5	52495.8	53054.0
-30°	1887.7	3796.0	6898.4	11129.0	19484.8	27854.5	36215.7	42408.0	46945.4	50195.9	51006.2
-32.5°	1264.3	2058.2	3796.0	6526.7	9747.1	16607.2	23401.1	30423.4	36747.3	41335.4	44381.4
-35°	882.0	1264.3	1887.7	3445.9	5421.3	8236.8	11906.1	17638.1	22736.4	27633.2	31853.6
-37.5°	894.3	883.1	1167.8	1594.1	2754.4	4033.3	6022.7	8204.4	10218.7	14283.8	17669.0
-40°	863.8	896.5	886.5	976.9	1351.2	1738.1	2829.3	3813.6	4946.5	6485.5	7764.2
-42.5°	795.4	851.0	888.6	892.0	883.7	1018.7	1313.9	1579.6	2134.2	2825.1	3398.1
-45°	661.1	753.9	830.0	863.1	894.0	892.4	885.9	880.0	1065.4	1251.0	1404.7
-47.5°	507.8	607.5	692.6	769.7	829.8	856.3	880.3	897.5	892.8	888.7	885.4
-50°	366.5	439.9	527.6	609.8	679.1	740.3	795.9	831.5	848.9	863.9	876.2
-52.5°	255.4	312.7	369.2	427.0	497.6	562.5	621.4	668.4	708.5	742.8	771.1
-55°	197.6	225.4	251.5	293.7	338.9	380.4	421.1	469.3	511.6	547.7	577.4
-57.5°	165.7	175.2	188.7	211.1	231.8	250.8	277.9	308.6	335.4	358.3	377.2
-60°	137.2	151.8	160.5	168.1	175.2	182.0	197.6	211.6	223.8	234.2	242.8
-62.5°	102.0	113.1	125.6	137.2	147.9	155.8	161.1	165.8	170.0	173.5	176.4
-65°	79.4	86.6	93.3	99.6	105.5	114.3	122.3	129.4	135.6	140.8	145.2
-67.5°	69.9	72.0	74.0	75.9	79.9	84.6	88.8	92.6	95.9	98.7	101.0
-70°	57.5	61.3	64.8	67.5	69.0	70.4	71.7	72.8	73.8	74.6	75.3
-72.5°	45.0	46.6	48.5	51.4	54.0	56.4	58.6	60.5	62.2	63.6	64.8
-75°	37.2	38.6	39.9	41.2	42.3	43.3	44.3	45.1	45.8	46.4	46.9
-77.5°	29.5	30.7	31.8	32.8	33.7	34.5	35.3	36.0	36.6	37.1	37.5
-80°	21.7	22.6	23.5	24.3	25.1	25.8	26.4	26.9	27.4	27.8	28.1
-82.5°	13.9	14.6	15.3	15.9	16.4	16.9	17.4	17.8	18.1	18.4	18.7
-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°	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: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-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°	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°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.7	18.4	18.1	17.8
80°	28.4	28.6	28.7	28.7	28.7	28.6	28.4	28.1	27.8	27.4	26.9
77.5°	37.8	38.0	38.2	38.2	38.2	38.0	37.8	37.5	37.1	36.6	36.0
75°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.4	45.8	45.1
72.5°	65.7	66.4	66.8	66.9	66.8	66.4	65.7	64.8	63.6	62.2	60.5
70°	75.8	76.2	76.4	76.5	76.4	76.2	75.8	75.3	74.6	73.8	72.8
67.5°	102.8	104.1	104.8	105.1	104.8	104.1	102.8	101.0	98.7	95.9	92.6
65°	148.5	151.0	152.4	152.9	152.4	151.0	148.5	145.2	140.8	135.6	129.4
62.5°	178.7	180.3	181.3	181.6	181.3	180.3	178.7	176.4	173.5	170.0	165.8
60°	249.5	254.3	257.1	258.1	257.1	254.3	249.5	242.8	234.2	223.8	211.6
57.5°	391.9	402.5	408.9	411.0	408.9	402.5	391.9	377.2	358.3	335.4	308.6
55°	600.7	617.4	627.4	630.8	627.4	617.4	600.7	577.4	547.7	511.6	469.3
52.5°	793.3	809.2	818.8	822.0	818.8	809.2	793.3	771.1	742.8	708.5	668.4
50°	885.9	892.8	897.0	898.4	897.0	892.8	885.9	876.2	863.9	848.9	831.5
47.5°	882.7	880.8	879.7	879.3	879.7	880.8	882.7	885.4	888.7	892.8	897.5
45°	1525.4	1612.3	1664.7	1682.2	1664.7	1612.3	1525.4	1404.7	1251.0	1065.4	880.0
42.5°	3848.8	4173.4	4369.3	4434.8	4369.3	4173.4	3848.8	3398.1	2825.1	2134.2	1579.6
40°	8771.4	9497.9	9936.7	10083.4	9936.7	9497.9	8771.4	7764.2	6485.5	4946.5	3813.6
37.5°	20340.6	22270.3	23437.0	23827.4	23437.0	22270.3	20340.6	17669.0	14283.8	10218.7	8204.4
35°	35191.9	37607.5	39069.8	39559.4	39069.8	37607.5	35191.9	31853.6	27633.2	22736.4	17638.1
32.5°	46797.3	48549.5	49611.7	49967.7	49611.7	48549.5	46797.3	44381.4	41335.4	36747.3	30423.4
30°	51651.1	52120.1	52404.9	52500.5	52404.9	52120.1	51651.1	51006.2	50195.9	46945.4	42408.0
27.5°	53498.6	53823.1	54020.7	54087.1	54020.7	53823.1	53498.6	53054.0	52495.8	51444.5	50245.9
25°	55210.0	55644.2	55909.4	55998.6	55909.4	55644.2	55210.0	54617.8	53915.7	53195.7	52307.8
22.5°	57777.3	58616.9	59131.9	59305.6	59131.9	58616.9	57777.3	56638.5	55554.8	54604.2	53628.7
20°	62651.7	64656.1	65893.0	66311.4	65893.0	64656.1	62651.7	59953.7	58050.9	56244.4	54976.4
17.5°	72251.1	77054.9	80043.5	81058.9	80043.5	77054.9	72251.1	66093.6	62412.0	58783.2	56589.7
15°	91025.0	103205.3	110874.3	113497.8	110874.3	103205.3	91025.0	78322.6	69654.4	63255.2	58783.2
12.5°	122433.3	146471.7	165162.3	172688.7	165162.3	146471.7	122433.3	101068.3	80427.9	69654.4	62412.0
10°	173397.3	230850.9	307168.4	336804.1	307168.4	230850.9	173397.3	131115.9	101068.3	78322.6	66093.6
7.5°	279278.2	499184.4	722779.4	796716.2	722779.4	499184.4	279278.2	173397.3	122433.3	91025.0	72251.1
5°	499184.4	876149.7	#####	#####	#####	876149.7	499184.4	230850.9	146471.7	103205.3	77054.9
2.5°	722779.4	#####	#####	#####	#####	#####	722779.4	307168.4	165162.3	110874.3	80043.5
0°	796716.2	#####	#####	#####	#####	#####	796716.2	336804.1	172688.7	113497.8	81058.9
-2.5°	722779.4	#####	#####	#####	#####	#####	722779.4	307168.4	165162.3	110874.3	80043.5
-5°	499184.4	876149.7	#####	#####	#####	876149.7	499184.4	230850.9	146471.7	103205.3	77054.9
-7.5°	279278.2	499184.4	722779.4	796716.2	722779.4	499184.4	279278.2	173397.3	122433.3	91025.0	72251.1
-10°	173397.3	230850.9	307168.4	336804.1	307168.4	230850.9	173397.3	131115.9	101068.3	78322.6	66093.6
-12.5°	122433.3	146471.7	165162.3	172688.7	165162.3	146471.7	122433.3	101068.3	80427.9	69654.4	62412.0
-15°	91025.0	103205.3	110874.3	113497.8	110874.3	103205.3	91025.0	78322.6	69654.4	63255.2	58783.2
-17.5°	72251.1	77054.9	80043.5	81058.9	80043.5	77054.9	72251.1	66093.6	62412.0	58783.2	56589.7
-20°	62651.7	64656.1	65893.0	66311.4	65893.0	64656.1	62651.7	59953.7	58050.9	56244.4	54976.4



REPORT NUMBER: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	57777.3	58616.9	59131.9	59305.6	59131.9	58616.9	57777.3	56638.5	55554.8	54604.2	53628.7
-25°	55210.0	55644.2	55909.4	55998.6	55909.4	55644.2	55210.0	54617.8	53915.7	53195.7	52307.8
-27.5°	53498.6	53823.1	54020.7	54087.1	54020.7	53823.1	53498.6	53054.0	52495.8	51444.5	50245.9
-30°	51651.1	52120.1	52404.9	52500.5	52404.9	52120.1	51651.1	51006.2	50195.9	46945.4	42408.0
-32.5°	46797.3	48549.5	49611.7	49967.7	49611.7	48549.5	46797.3	44381.4	41335.4	36747.3	30423.4
-35°	35191.9	37607.5	39069.8	39559.4	39069.8	37607.5	35191.9	31853.6	27633.2	22736.4	17638.1
-37.5°	20340.6	22270.3	23437.0	23827.4	23437.0	22270.3	20340.6	17669.0	14283.8	10218.7	8204.4
-40°	8771.4	9497.9	9936.7	10083.4	9936.7	9497.9	8771.4	7764.2	6485.5	4946.5	3813.6
-42.5°	3848.8	4173.4	4369.3	4434.8	4369.3	4173.4	3848.8	3398.1	2825.1	2134.2	1579.6
-45°	1525.4	1612.3	1664.7	1682.2	1664.7	1612.3	1525.4	1404.7	1251.0	1065.4	880.0
-47.5°	882.7	880.8	879.7	879.3	879.7	880.8	882.7	885.4	888.7	892.8	897.5
-50°	885.9	892.8	897.0	898.4	897.0	892.8	885.9	876.2	863.9	848.9	831.5
-52.5°	793.3	809.2	818.8	822.0	818.8	809.2	793.3	771.1	742.8	708.5	668.4
-55°	600.7	617.4	627.4	630.8	627.4	617.4	600.7	577.4	547.7	511.6	469.3
-57.5°	391.9	402.5	408.9	411.0	408.9	402.5	391.9	377.2	358.3	335.4	308.6
-60°	249.5	254.3	257.1	258.1	257.1	254.3	249.5	242.8	234.2	223.8	211.6
-62.5°	178.7	180.3	181.3	181.6	181.3	180.3	178.7	176.4	173.5	170.0	165.8
-65°	148.5	151.0	152.4	152.9	152.4	151.0	148.5	145.2	140.8	135.6	129.4
-67.5°	102.8	104.1	104.8	105.1	104.8	104.1	102.8	101.0	98.7	95.9	92.6
-70°	75.8	76.2	76.4	76.5	76.4	76.2	75.8	75.3	74.6	73.8	72.8
-72.5°	65.7	66.4	66.8	66.9	66.8	66.4	65.7	64.8	63.6	62.2	60.5
-75°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.4	45.8	45.1
-77.5°	37.8	38.0	38.2	38.2	38.2	38.0	37.8	37.5	37.1	36.6	36.0
-80°	28.4	28.6	28.7	28.7	28.7	28.6	28.4	28.1	27.8	27.4	26.9
-82.5°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.7	18.4	18.1	17.8
-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°	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: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-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°	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°	17.4	16.9	16.4	15.9	15.3	14.6	13.9	13.2	12.4	11.6	10.7
80°	26.4	25.8	25.1	24.3	23.5	22.6	21.7	20.7	19.7	18.6	17.4
77.5°	35.3	34.5	33.7	32.8	31.8	30.7	29.5	28.3	26.9	25.6	24.1
75°	44.3	43.3	42.3	41.2	39.9	38.6	37.2	35.7	34.2	32.5	30.8
72.5°	58.6	56.4	54.0	51.4	48.5	46.6	45.0	43.2	41.3	39.4	37.4
70°	71.7	70.4	69.0	67.5	64.8	61.3	57.5	53.5	49.2	46.3	43.9
67.5°	88.8	84.6	79.9	75.9	74.0	72.0	69.9	67.6	63.4	58.4	53.1
65°	122.3	114.3	105.5	99.6	93.3	86.6	79.4	74.9	72.2	69.4	66.0
62.5°	161.1	155.8	147.9	137.2	125.6	113.1	102.0	93.5	84.7	76.1	72.9
60°	197.6	182.0	175.2	168.1	160.5	151.8	137.2	121.7	105.5	95.2	84.6
57.5°	277.9	250.8	231.8	211.1	188.7	175.2	165.7	155.6	139.6	121.1	103.1
55°	421.1	380.4	338.9	293.7	251.5	225.4	197.6	176.6	165.1	153.1	132.4
52.5°	621.4	562.5	497.6	427.0	369.2	312.7	255.4	223.8	190.7	172.1	158.6
50°	795.9	740.3	679.1	609.8	527.6	439.9	366.5	298.5	242.8	205.7	176.3
47.5°	880.3	856.3	829.8	769.7	692.6	607.5	507.8	405.5	329.5	254.3	213.3
45°	885.9	892.4	894.0	863.1	830.0	753.9	661.1	553.8	437.2	345.1	258.1
42.5°	1313.9	1018.7	883.7	892.0	888.6	851.0	795.4	691.8	577.0	448.6	345.1
40°	2829.3	1738.1	1351.2	976.9	886.5	896.5	863.8	816.4	702.1	577.0	437.2
37.5°	6022.7	4033.3	2754.4	1594.1	1167.8	883.1	894.3	868.0	816.4	691.8	553.8
35°	11906.1	8236.8	5421.3	3445.9	1887.7	1264.3	882.0	894.3	863.8	795.4	661.1
32.5°	23401.1	16607.2	9747.1	6526.7	3796.0	2058.2	1264.3	883.1	896.5	851.0	753.9
30°	36215.7	27854.5	19484.8	11129.0	6898.4	3796.0	1887.7	1167.8	886.5	888.6	830.0
27.5°	45645.3	39700.5	30149.3	20453.9	11129.0	6526.7	3445.9	1594.1	976.9	892.0	863.1
25°	50871.1	47295.3	40494.3	30149.3	19484.8	9747.1	5421.3	2754.4	1351.2	883.7	894.0
22.5°	52656.5	51082.4	47295.3	39700.5	27854.5	16607.2	8236.8	4033.3	1738.1	1018.7	892.4
20°	53775.6	52656.5	50871.1	45645.3	36215.7	23401.1	11906.1	6022.7	2829.3	1313.9	885.9
17.5°	54976.4	53628.7	52307.8	50245.9	42408.0	30423.4	17638.1	8204.4	3813.6	1579.6	880.0
15°	56244.4	54604.2	53195.7	51444.5	46945.4	36747.3	22736.4	10218.7	4946.5	2134.2	1065.4
12.5°	58050.9	55554.8	53915.7	52495.8	50195.9	41335.4	27633.2	14283.8	6485.5	2825.1	1251.0
10°	59953.7	56638.5	54617.8	53054.0	51006.2	44381.4	31853.6	17669.0	7764.2	3398.1	1404.7
7.5°	62651.7	57777.3	55210.0	53498.6	51651.1	46797.3	35191.9	20340.6	8771.4	3848.8	1525.4
5°	64656.1	58616.9	55644.2	53823.1	52120.1	48549.5	37607.5	22270.3	9497.9	4173.4	1612.3
2.5°	65893.0	59131.9	55909.4	54020.7	52404.9	49611.7	39069.8	23437.0	9936.7	4369.3	1664.7
0°	66311.4	59305.6	55998.6	54087.1	52500.5	49967.7	39559.4	23827.4	10083.4	4434.8	1682.2
-2.5°	65893.0	59131.9	55909.4	54020.7	52404.9	49611.7	39069.8	23437.0	9936.7	4369.3	1664.7
-5°	64656.1	58616.9	55644.2	53823.1	52120.1	48549.5	37607.5	22270.3	9497.9	4173.4	1612.3
-7.5°	62651.7	57777.3	55210.0	53498.6	51651.1	46797.3	35191.9	20340.6	8771.4	3848.8	1525.4
-10°	59953.7	56638.5	54617.8	53054.0	51006.2	44381.4	31853.6	17669.0	7764.2	3398.1	1404.7
-12.5°	58050.9	55554.8	53915.7	52495.8	50195.9	41335.4	27633.2	14283.8	6485.5	2825.1	1251.0
-15°	56244.4	54604.2	53195.7	51444.5	46945.4	36747.3	22736.4	10218.7	4946.5	2134.2	1065.4
-17.5°	54976.4	53628.7	52307.8	50245.9	42408.0	30423.4	17638.1	8204.4	3813.6	1579.6	880.0
-20°	53775.6	52656.5	50871.1	45645.3	36215.7	23401.1	11906.1	6022.7	2829.3	1313.9	885.9



REPORT NUMBER: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	52656.5	51082.4	47295.3	39700.5	27854.5	16607.2	8236.8	4033.3	1738.1	1018.7	892.4
-25°	50871.1	47295.3	40494.3	30149.3	19484.8	9747.1	5421.3	2754.4	1351.2	883.7	894.0
-27.5°	45645.3	39700.5	30149.3	20453.9	11129.0	6526.7	3445.9	1594.1	976.9	892.0	863.1
-30°	36215.7	27854.5	19484.8	11129.0	6898.4	3796.0	1887.7	1167.8	886.5	888.6	830.0
-32.5°	23401.1	16607.2	9747.1	6526.7	3796.0	2058.2	1264.3	883.1	896.5	851.0	753.9
-35°	11906.1	8236.8	5421.3	3445.9	1887.7	1264.3	882.0	894.3	863.8	795.4	661.1
-37.5°	6022.7	4033.3	2754.4	1594.1	1167.8	883.1	894.3	868.0	816.4	691.8	553.8
-40°	2829.3	1738.1	1351.2	976.9	886.5	896.5	863.8	816.4	702.1	577.0	437.2
-42.5°	1313.9	1018.7	883.7	892.0	888.6	851.0	795.4	691.8	577.0	448.6	345.1
-45°	885.9	892.4	894.0	863.1	830.0	753.9	661.1	553.8	437.2	345.1	258.1
-47.5°	880.3	856.3	829.8	769.7	692.6	607.5	507.8	405.5	329.5	254.3	213.3
-50°	795.9	740.3	679.1	609.8	527.6	439.9	366.5	298.5	242.8	205.7	176.3
-52.5°	621.4	562.5	497.6	427.0	369.2	312.7	255.4	223.8	190.7	172.1	158.6
-55°	421.1	380.4	338.9	293.7	251.5	225.4	197.6	176.6	165.1	153.1	132.4
-57.5°	277.9	250.8	231.8	211.1	188.7	175.2	165.7	155.6	139.6	121.1	103.1
-60°	197.6	182.0	175.2	168.1	160.5	151.8	137.2	121.7	105.5	95.2	84.6
-62.5°	161.1	155.8	147.9	137.2	125.6	113.1	102.0	93.5	84.7	76.1	72.9
-65°	122.3	114.3	105.5	99.6	93.3	86.6	79.4	74.9	72.2	69.4	66.0
-67.5°	88.8	84.6	79.9	75.9	74.0	72.0	69.9	67.6	63.4	58.4	53.1
-70°	71.7	70.4	69.0	67.5	64.8	61.3	57.5	53.5	49.2	46.3	43.9
-72.5°	58.6	56.4	54.0	51.4	48.5	46.6	45.0	43.2	41.3	39.4	37.4
-75°	44.3	43.3	42.3	41.2	39.9	38.6	37.2	35.7	34.2	32.5	30.8
-77.5°	35.3	34.5	33.7	32.8	31.8	30.7	29.5	28.3	26.9	25.6	24.1
-80°	26.4	25.8	25.1	24.3	23.5	22.6	21.7	20.7	19.7	18.6	17.4
-82.5°	17.4	16.9	16.4	15.9	15.3	14.6	13.9	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: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-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°	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°	16.2	15.0	13.7	12.3	10.9	9.6	9.6	9.6	9.6	9.6	9.6
77.5°	22.6	21.0	19.4	17.7	16.0	14.2	12.4	10.5	9.6	9.6	9.6
75°	29.0	27.1	25.1	23.1	21.0	18.9	16.7	14.5	12.2	9.9	9.6
72.5°	35.2	33.1	30.8	28.4	26.0	23.5	20.9	18.3	15.7	13.0	10.3
70°	41.5	39.0	36.4	33.7	30.9	28.1	25.2	22.2	19.2	16.1	13.0
67.5°	47.7	44.9	41.9	38.9	35.8	32.6	29.4	26.0	22.6	19.2	15.7
65°	59.9	53.6	47.4	44.1	40.6	37.1	33.5	29.8	26.0	22.2	18.3
62.5°	69.5	65.1	57.9	50.5	45.4	41.5	37.5	33.5	29.4	25.2	20.9
60°	75.5	71.7	67.7	60.5	52.3	45.8	41.5	37.1	32.6	28.1	23.5
57.5°	91.2	78.8	73.0	68.6	61.4	52.3	45.4	40.6	35.8	30.9	26.0
55°	110.8	95.2	81.5	73.5	68.6	60.5	50.5	44.1	38.9	33.7	28.4
52.5°	139.2	115.3	96.5	81.5	73.0	67.7	57.9	47.4	41.9	36.4	30.8
50°	161.4	141.5	115.3	95.2	78.8	71.7	65.1	53.6	44.9	39.0	33.1
47.5°	177.7	161.4	139.2	110.8	91.2	75.5	69.5	59.9	47.7	41.5	35.2
45°	213.3	176.3	158.6	132.4	103.1	84.6	72.9	66.0	53.1	43.9	37.4
42.5°	254.3	205.7	172.1	153.1	121.1	95.2	76.1	69.4	58.4	46.3	39.4
40°	329.5	242.8	190.7	165.1	139.6	105.5	84.7	72.2	63.4	49.2	41.3
37.5°	405.5	298.5	223.8	176.6	155.6	121.7	93.5	74.9	67.6	53.5	43.2
35°	507.8	366.5	255.4	197.6	165.7	137.2	102.0	79.4	69.9	57.5	45.0
32.5°	607.5	439.9	312.7	225.4	175.2	151.8	113.1	86.6	72.0	61.3	46.6
30°	692.6	527.6	369.2	251.5	188.7	160.5	125.6	93.3	74.0	64.8	48.5
27.5°	769.7	609.8	427.0	293.7	211.1	168.1	137.2	99.6	75.9	67.5	51.4
25°	829.8	679.1	497.6	338.9	231.8	175.2	147.9	105.5	79.9	69.0	54.0
22.5°	856.3	740.3	562.5	380.4	250.8	182.0	155.8	114.3	84.6	70.4	56.4
20°	880.3	795.9	621.4	421.1	277.9	197.6	161.1	122.3	88.8	71.7	58.6
17.5°	897.5	831.5	668.4	469.3	308.6	211.6	165.8	129.4	92.6	72.8	60.5
15°	892.8	848.9	708.5	511.6	335.4	223.8	170.0	135.6	95.9	73.8	62.2
12.5°	888.7	863.9	742.8	547.7	358.3	234.2	173.5	140.8	98.7	74.6	63.6
10°	885.4	876.2	771.1	577.4	377.2	242.8	176.4	145.2	101.0	75.3	64.8
7.5°	882.7	885.9	793.3	600.7	391.9	249.5	178.7	148.5	102.8	75.8	65.7
5°	880.8	892.8	809.2	617.4	402.5	254.3	180.3	151.0	104.1	76.2	66.4
2.5°	879.7	897.0	818.8	627.4	408.9	257.1	181.3	152.4	104.8	76.4	66.8
0°	879.3	898.4	822.0	630.8	411.0	258.1	181.6	152.9	105.1	76.5	66.9
-2.5°	879.7	897.0	818.8	627.4	408.9	257.1	181.3	152.4	104.8	76.4	66.8
-5°	880.8	892.8	809.2	617.4	402.5	254.3	180.3	151.0	104.1	76.2	66.4
-7.5°	882.7	885.9	793.3	600.7	391.9	249.5	178.7	148.5	102.8	75.8	65.7
-10°	885.4	876.2	771.1	577.4	377.2	242.8	176.4	145.2	101.0	75.3	64.8
-12.5°	888.7	863.9	742.8	547.7	358.3	234.2	173.5	140.8	98.7	74.6	63.6
-15°	892.8	848.9	708.5	511.6	335.4	223.8	170.0	135.6	95.9	73.8	62.2
-17.5°	897.5	831.5	668.4	469.3	308.6	211.6	165.8	129.4	92.6	72.8	60.5
-20°	880.3	795.9	621.4	421.1	277.9	197.6	161.1	122.3	88.8	71.7	58.6



REPORT NUMBER: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	856.3	740.3	562.5	380.4	250.8	182.0	155.8	114.3	84.6	70.4	56.4
-25°	829.8	679.1	497.6	338.9	231.8	175.2	147.9	105.5	79.9	69.0	54.0
-27.5°	769.7	609.8	427.0	293.7	211.1	168.1	137.2	99.6	75.9	67.5	51.4
-30°	692.6	527.6	369.2	251.5	188.7	160.5	125.6	93.3	74.0	64.8	48.5
-32.5°	607.5	439.9	312.7	225.4	175.2	151.8	113.1	86.6	72.0	61.3	46.6
-35°	507.8	366.5	255.4	197.6	165.7	137.2	102.0	79.4	69.9	57.5	45.0
-37.5°	405.5	298.5	223.8	176.6	155.6	121.7	93.5	74.9	67.6	53.5	43.2
-40°	329.5	242.8	190.7	165.1	139.6	105.5	84.7	72.2	63.4	49.2	41.3
-42.5°	254.3	205.7	172.1	153.1	121.1	95.2	76.1	69.4	58.4	46.3	39.4
-45°	213.3	176.3	158.6	132.4	103.1	84.6	72.9	66.0	53.1	43.9	37.4
-47.5°	177.7	161.4	139.2	110.8	91.2	75.5	69.5	59.9	47.7	41.5	35.2
-50°	161.4	141.5	115.3	95.2	78.8	71.7	65.1	53.6	44.9	39.0	33.1
-52.5°	139.2	115.3	96.5	81.5	73.0	67.7	57.9	47.4	41.9	36.4	30.8
-55°	110.8	95.2	81.5	73.5	68.6	60.5	50.5	44.1	38.9	33.7	28.4
-57.5°	91.2	78.8	73.0	68.6	61.4	52.3	45.4	40.6	35.8	30.9	26.0
-60°	75.5	71.7	67.7	60.5	52.3	45.8	41.5	37.1	32.6	28.1	23.5
-62.5°	69.5	65.1	57.9	50.5	45.4	41.5	37.5	33.5	29.4	25.2	20.9
-65°	59.9	53.6	47.4	44.1	40.6	37.1	33.5	29.8	26.0	22.2	18.3
-67.5°	47.7	44.9	41.9	38.9	35.8	32.6	29.4	26.0	22.6	19.2	15.7
-70°	41.5	39.0	36.4	33.7	30.9	28.1	25.2	22.2	19.2	16.1	13.0
-72.5°	35.2	33.1	30.8	28.4	26.0	23.5	20.9	18.3	15.7	13.0	10.3
-75°	29.0	27.1	25.1	23.1	21.0	18.9	16.7	14.5	12.2	9.9	9.6
-77.5°	22.6	21.0	19.4	17.7	16.0	14.2	12.4	10.5	9.6	9.6	9.6
-80°	16.2	15.0	13.7	12.3	10.9	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: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-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°	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	10.5	9.6	9.6	8.1	4.1	0.0
62.5°	16.7	12.4	9.6	9.6	8.9	4.4	0.0
60°	18.9	14.2	9.6	9.6	9.6	4.8	0.0
57.5°	21.0	16.0	10.9	9.6	9.6	5.2	0.0
55°	23.1	17.7	12.3	9.6	9.6	5.5	0.0
52.5°	25.1	19.4	13.7	9.6	9.6	5.8	0.0
50°	27.1	21.0	15.0	9.6	9.6	6.2	0.0
47.5°	29.0	22.6	16.2	9.8	9.6	6.5	0.0
45°	30.8	24.1	17.4	10.7	9.6	6.8	0.0
42.5°	32.5	25.6	18.6	11.6	9.6	7.1	0.0
40°	34.2	26.9	19.7	12.4	9.6	7.4	0.0
37.5°	35.7	28.3	20.7	13.2	9.6	7.6	0.0
35°	37.2	29.5	21.7	13.9	9.6	7.9	0.0
32.5°	38.6	30.7	22.6	14.6	9.6	8.1	0.0
30°	39.9	31.8	23.5	15.3	9.6	8.3	0.0
27.5°	41.2	32.8	24.3	15.9	9.6	8.5	0.0
25°	42.3	33.7	25.1	16.4	9.6	8.7	0.0
22.5°	43.3	34.5	25.8	16.9	9.6	8.9	0.0
20°	44.3	35.3	26.4	17.4	9.6	9.0	0.0
17.5°	45.1	36.0	26.9	17.8	9.6	9.2	0.0
15°	45.8	36.6	27.4	18.1	9.6	9.3	0.0
12.5°	46.4	37.1	27.8	18.4	9.6	9.4	0.0
10°	46.9	37.5	28.1	18.7	9.6	9.5	0.0
7.5°	47.3	37.8	28.4	18.9	9.6	9.5	0.0
5°	47.6	38.0	28.6	19.0	9.6	9.6	0.0
2.5°	47.7	38.2	28.7	19.1	9.6	9.6	0.0
0°	47.8	38.2	28.7	19.1	9.6	9.6	0.0
-2.5°	47.7	38.2	28.7	19.1	9.6	9.6	0.0
-5°	47.6	38.0	28.6	19.0	9.6	9.6	0.0
-7.5°	47.3	37.8	28.4	18.9	9.6	9.5	0.0
-10°	46.9	37.5	28.1	18.7	9.6	9.5	0.0
-12.5°	46.4	37.1	27.8	18.4	9.6	9.4	0.0
-15°	45.8	36.6	27.4	18.1	9.6	9.3	0.0
-17.5°	45.1	36.0	26.9	17.8	9.6	9.2	0.0
-20°	44.3	35.3	26.4	17.4	9.6	9.0	0.0



REPORT NUMBER: P1306557 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-3R-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	43.3	34.5	25.8	16.9	9.6	8.9	0.0
-25°	42.3	33.7	25.1	16.4	9.6	8.7	0.0
-27.5°	41.2	32.8	24.3	15.9	9.6	8.5	0.0
-30°	39.9	31.8	23.5	15.3	9.6	8.3	0.0
-32.5°	38.6	30.7	22.6	14.6	9.6	8.1	0.0
-35°	37.2	29.5	21.7	13.9	9.6	7.9	0.0
-37.5°	35.7	28.3	20.7	13.2	9.6	7.6	0.0
-40°	34.2	26.9	19.7	12.4	9.6	7.4	0.0
-42.5°	32.5	25.6	18.6	11.6	9.6	7.1	0.0
-45°	30.8	24.1	17.4	10.7	9.6	6.8	0.0
-47.5°	29.0	22.6	16.2	9.8	9.6	6.5	0.0
-50°	27.1	21.0	15.0	9.6	9.6	6.2	0.0
-52.5°	25.1	19.4	13.7	9.6	9.6	5.8	0.0
-55°	23.1	17.7	12.3	9.6	9.6	5.5	0.0
-57.5°	21.0	16.0	10.9	9.6	9.6	5.2	0.0
-60°	18.9	14.2	9.6	9.6	9.6	4.8	0.0
-62.5°	16.7	12.4	9.6	9.6	8.9	4.4	0.0
-65°	14.5	10.5	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)