

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: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-1L-S**

Issue Date: 8/10/2023

Test Information

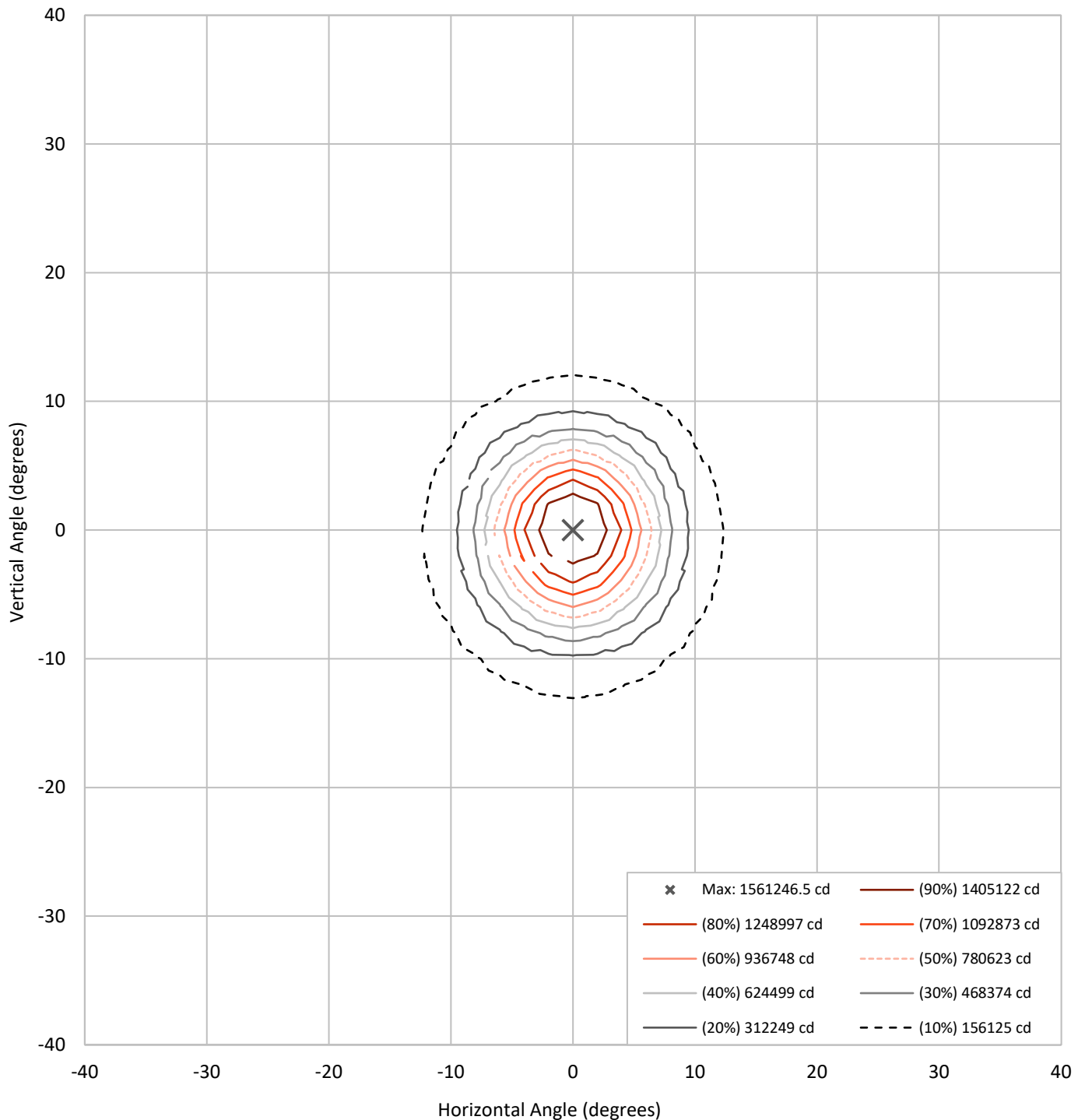
Test Method: LM-79-08
Report Number: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-52)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-1L-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 1L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	162132.6 lumens	Max Intensity:	1561246.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	12.8°H x 13°V	Field Angle (10%):	24.4°H x 24.6°V
Beam Lumens:	40188.5 lumens	Field Lumens:	80732.1 lumens
Beam Efficiency:	24.8%	Field Efficiency:	49.8%
Input Watts (W):	1288.4		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

Iso-Candela Plot



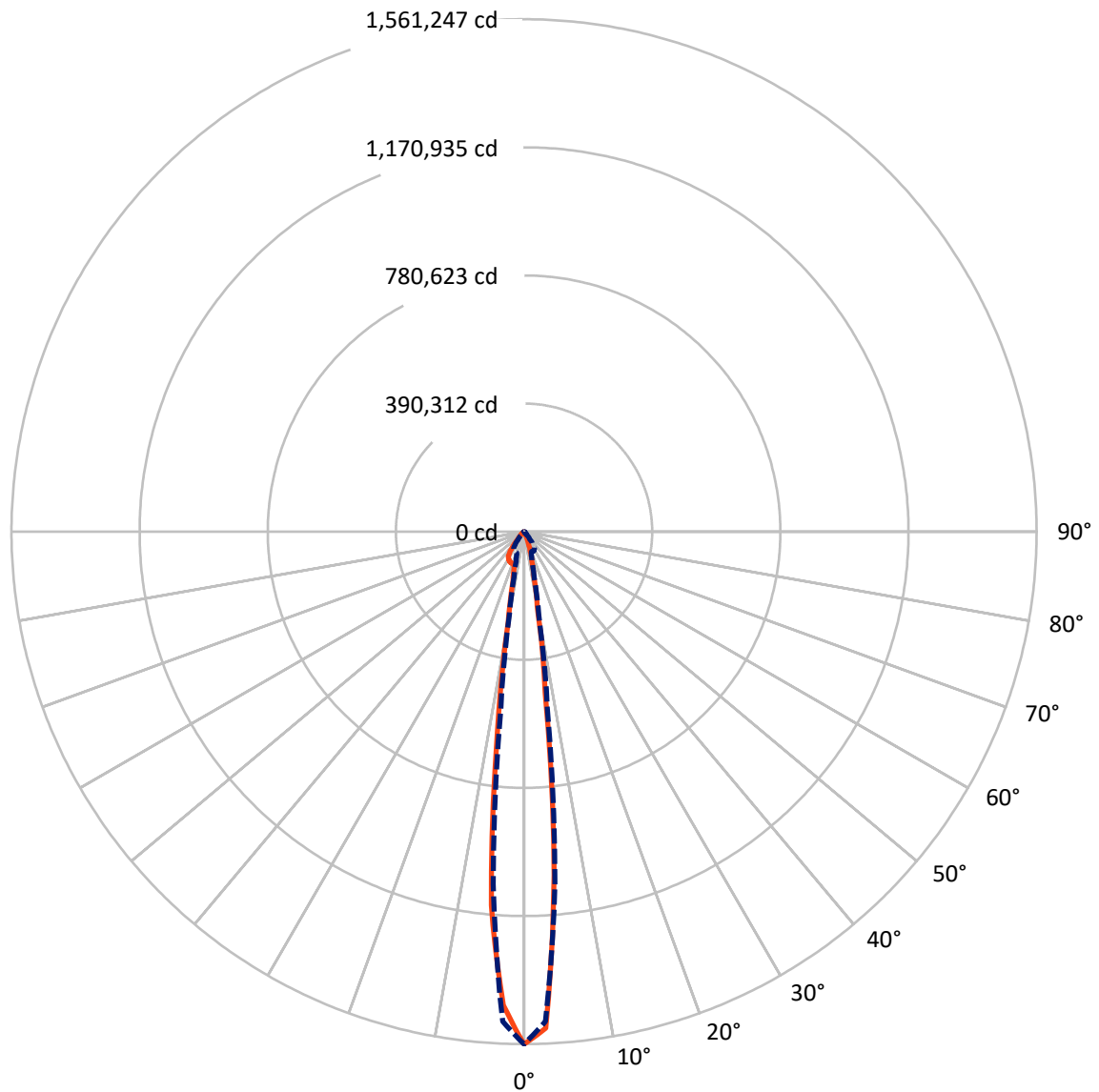
REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

Lumen Table

90	0.4	1.6	2.7	3.5	3.7	3.5	2.7	1.6	0.4							
80	0.4	1.6	2.7	3.5	3.7	3.5	2.7	1.6	0.4							
70	0.7	0.5	0.8	1.2	1.8	2.5	3.0	3.4	3.4	3.0	2.5	1.8	1.2	0.8	0.5	0.7
60		0.6	1.2	2.3	4.1	6.2	10.0	15.7	15.7	10.0	6.2	4.1	2.3	1.2	0.6	
50	0.9	0.8	2.3	6.0	10.5	19.2	29.1	41.5	41.5	29.1	19.2	10.5	6.0	2.3	0.8	0.9
40		1.0	5.0	12.9	26.3	37.2	56.7	66.6	66.6	56.7	37.2	26.3	12.9	5.0	1.0	
30	1.0	1.6	7.5	28.7	101.7	278.7	466.7	549.7	549.7	466.7	278.7	101.7	28.7	7.5	1.6	1.0
20		2.2	11.2	65.8	440.5	1084.6	1585.6	2702.0	2702.0	1585.6	1084.6	440.5	65.8	11.2	2.2	
10	1.1	2.5	14.9	126.6	912.1	1651.5	2870.4	18380.0	18380.0	2870.4	1651.5	912.1	126.6	14.9	2.5	1.1
0		2.6	15.6	156.6	1161.4	1956.4	3131.7	19494.7	19494.7	3131.7	1956.4	1161.4	156.6	15.6	2.6	
-10	1.1	2.4	12.5	123.2	1002.9	2235.5	2658.0	3744.8	3744.8	2658.0	2235.5	1002.9	123.2	12.5	2.4	1.1
-20		1.8	8.4	64.6	508.3	1872.1	2728.3	3007.7	3007.7	2728.3	1872.1	508.3	64.6	8.4	1.8	
-30	0.9	1.2	6.0	24.1	165.3	676.4	1498.4	2025.8	2025.8	1498.4	676.4	165.3	24.1	6.0	1.2	0.9
-40		0.9	3.2	8.5	34.0	138.0	318.4	457.2	457.2	318.4	138.0	34.0	8.5	3.2	0.9	
-50	0.7	0.7	1.5	3.6	6.9	16.1	37.0	54.9	54.9	37.0	16.1	6.9	3.6	1.5	0.7	0.7
-60		0.5	0.9	1.5	2.5	3.8	4.8	5.3	5.3	4.8	3.8	2.5	1.5	0.9	0.5	
-70	0.4	0.4	1.6	2.6	3.5	3.8	3.5	2.6	1.6	0.4						
-80		0.4	1.6	2.6	3.5	3.8	3.5	2.6	1.6	0.4						
-90	0.4	1.6	2.6	3.5	3.8	3.5	2.6	1.6	0.4							

REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

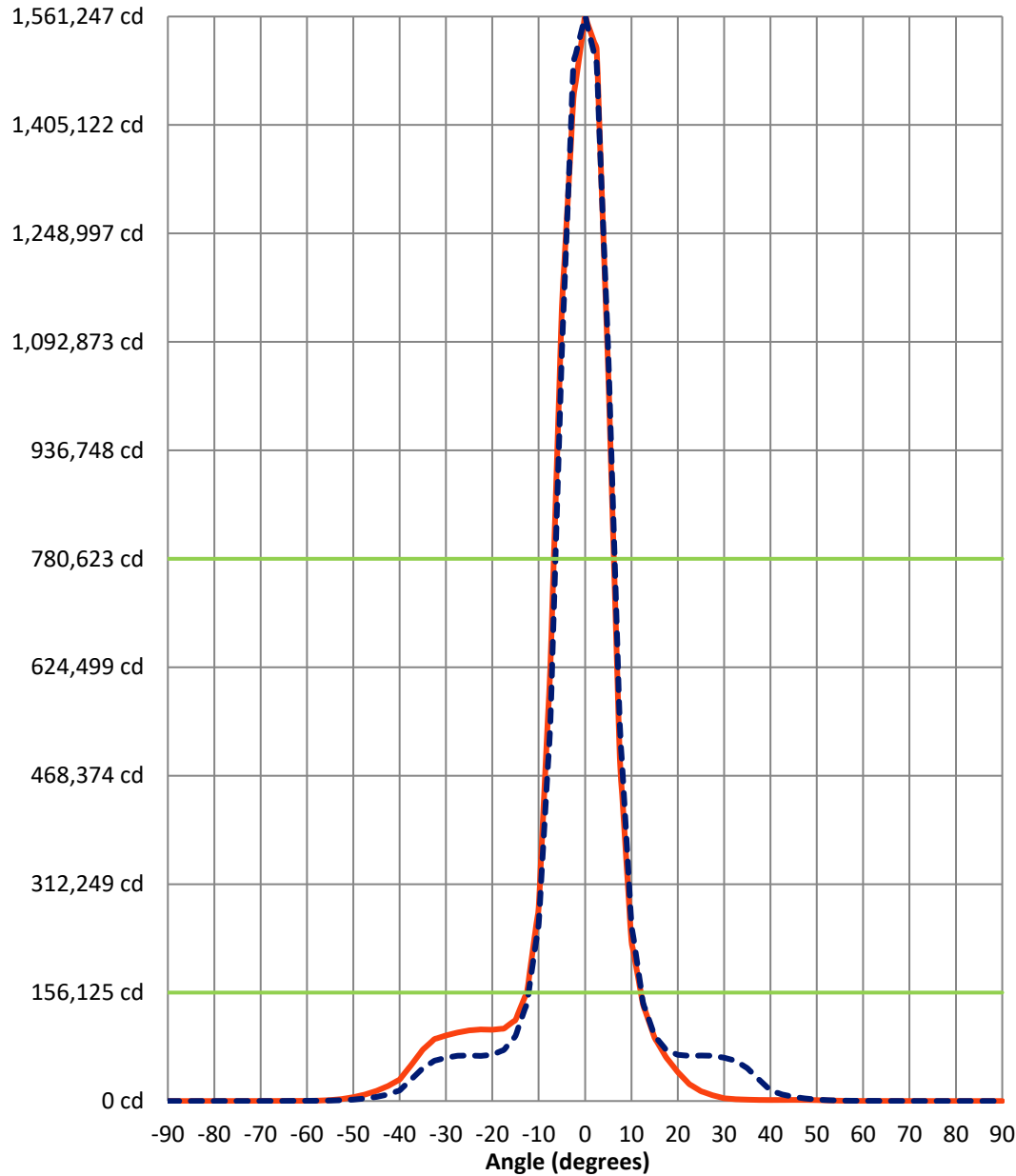
Luminous Intensity Polar Plot



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

REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

Luminous Intensity Plot



Beam:
 H Angle: 12.8°
 V Angle: 13°
 Lumens: 40188.5
 Efficiency: 24.8%

Field:
 H Angle: 24.4°
 V Angle: 24.6°
 Lumens: 80732.1
 Efficiency: 49.8%

Spill:
 Lumens: 81400.4
 Efficiency: 50.2%

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



REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

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	1.3	2.5	3.8	5.0	6.2	7.5	8.7	9.8	11.0	11.7
85°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.3	19.7	22.0	23.4
82.5°	0.0	3.8	7.5	11.2	15.0	18.6	22.3	25.9	28.8	28.8	28.1
80°	0.0	5.0	10.0	15.0	19.9	24.8	28.8	28.8	28.8	28.8	28.5
77.5°	0.0	6.2	12.5	18.6	24.8	28.8	28.8	28.8	28.8	28.8	29.7
75°	0.0	7.5	14.9	22.3	28.8	28.8	28.8	28.8	29.1	31.4	33.3
72.5°	0.0	8.7	17.3	25.9	28.8	28.8	28.8	29.5	32.3	35.0	37.1
70°	0.0	9.8	19.7	28.8	28.8	28.8	29.1	32.3	35.4	38.4	38.1
67.5°	0.0	11.0	22.0	28.8	28.8	28.8	31.4	35.0	38.4	38.6	38.3
65°	0.0	12.2	24.3	28.8	28.8	29.8	33.7	37.6	39.0	39.0	39.5
62.5°	0.0	13.3	26.6	28.8	28.8	31.6	36.0	39.0	39.6	40.0	43.2
60°	0.0	14.4	28.8	28.8	28.8	33.5	38.2	39.8	40.4	43.1	46.9
57.5°	0.0	15.5	28.8	28.8	30.2	35.2	39.2	40.7	42.4	45.9	48.1
55°	0.0	16.5	28.8	28.8	31.6	37.0	40.2	41.7	44.6	48.1	48.4
52.5°	0.0	17.5	28.8	28.8	32.9	38.6	41.2	43.3	46.7	48.7	48.9
50°	0.0	18.5	28.8	28.8	34.2	39.5	42.3	44.9	48.2	49.5	51.8
47.5°	0.0	19.5	28.8	29.0	35.5	40.4	43.4	46.3	49.1	50.3	54.7
45°	0.0	20.4	28.8	29.9	36.7	41.4	44.4	47.5	50.1	52.6	57.3
42.5°	0.0	21.2	28.8	30.8	37.8	42.4	45.4	48.6	51.1	54.6	60.6
40°	0.0	22.1	28.8	31.6	38.8	43.4	46.2	49.5	52.4	56.4	64.3
37.5°	0.0	22.8	28.8	32.4	39.6	44.4	47.0	50.6	53.9	58.5	67.9
35°	0.0	23.6	28.8	33.2	40.3	45.2	47.6	51.7	55.1	61.7	72.6
32.5°	0.0	24.3	28.8	33.9	41.1	45.7	48.3	52.8	56.2	64.9	78.7
30°	0.0	24.9	28.8	34.5	41.8	46.2	49.1	53.9	57.1	68.1	84.7
27.5°	0.0	25.5	28.8	35.1	42.5	46.6	50.0	54.7	58.6	71.2	90.6
25°	0.0	26.1	28.8	35.7	43.2	46.9	50.9	55.4	61.0	75.3	96.3
22.5°	0.0	26.6	28.8	36.2	43.9	47.2	51.8	56.0	63.4	79.9	103.4
20°	0.0	27.1	28.8	36.7	44.5	47.4	52.6	56.5	65.6	84.2	110.2
17.5°	0.0	27.5	28.8	37.1	45.2	47.6	53.5	56.8	67.7	88.2	116.5
15°	0.0	27.8	28.8	37.4	45.7	47.8	54.3	57.1	69.6	91.8	122.2
12.5°	0.0	28.1	28.8	37.7	46.2	47.9	55.0	57.3	71.4	95.2	127.4
10°	0.0	28.4	28.8	38.0	46.7	47.9	55.7	57.5	72.9	98.1	132.1
7.5°	0.0	28.6	28.8	38.2	47.1	48.0	56.3	57.5	74.3	100.6	136.1
5°	0.0	28.7	28.8	38.3	47.5	48.0	56.8	57.6	75.3	102.7	139.4
2.5°	0.0	28.8	28.8	38.4	47.8	48.0	57.3	57.6	76.2	104.4	142.0
0°	0.0	28.8	28.8	38.4	48.0	48.0	57.6	57.6	76.7	105.5	143.9
-2.5°	0.0	28.8	28.8	38.4	47.8	48.0	57.5	57.9	76.9	105.7	144.5
-5°	0.0	28.7	28.8	38.3	47.5	48.0	57.4	58.2	76.9	105.3	144.3
-7.5°	0.0	28.6	28.8	38.2	47.1	48.0	57.1	58.5	76.5	104.5	143.2
-10°	0.0	28.4	28.8	38.0	46.7	47.9	56.7	58.8	75.8	103.1	141.3
-12.5°	0.0	28.1	28.8	37.7	46.2	47.9	56.2	59.0	74.8	101.2	138.5
-15°	0.0	27.8	28.8	37.4	45.7	47.8	55.6	59.1	73.6	98.8	134.8
-17.5°	0.0	27.5	28.8	37.1	45.2	47.6	54.9	59.1	72.0	95.9	130.1
-20°	0.0	27.1	28.8	36.7	44.5	47.4	54.1	59.1	70.1	92.5	124.6



REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	26.6	28.8	36.2	43.9	47.2	53.1	58.9	68.0	88.7	118.1
-25°	0.0	26.1	28.8	35.7	43.2	46.9	52.1	58.6	65.6	84.3	110.6
-27.5°	0.0	25.5	28.8	35.1	42.5	46.6	51.0	58.3	62.9	80.1	105.1
-30°	0.0	24.9	28.8	34.5	41.8	46.2	49.7	57.7	61.5	76.7	99.2
-32.5°	0.0	24.3	28.8	33.9	41.1	45.7	48.4	56.4	60.9	73.1	92.9
-35°	0.0	23.6	28.8	33.2	40.3	45.2	47.6	54.8	60.1	69.1	86.0
-37.5°	0.0	22.8	28.8	32.4	39.6	44.4	47.0	53.0	59.2	64.9	80.3
-40°	0.0	22.1	28.8	31.6	38.8	43.4	46.2	51.1	58.0	62.8	75.3
-42.5°	0.0	21.2	28.8	30.8	37.8	42.4	45.4	49.2	56.1	61.3	70.0
-45°	0.0	20.4	28.8	29.9	36.7	41.4	44.4	47.5	53.7	59.5	65.0
-47.5°	0.0	19.5	28.8	29.0	35.5	40.4	43.4	46.3	51.3	57.5	62.7
-50°	0.0	18.5	28.8	28.8	34.2	39.5	42.3	44.9	48.8	54.7	60.1
-52.5°	0.0	17.5	28.8	28.8	32.9	38.6	41.2	43.3	46.7	51.7	57.2
-55°	0.0	16.5	28.8	28.8	31.6	37.0	40.2	41.7	44.6	48.7	53.9
-57.5°	0.0	15.5	28.8	28.8	30.2	35.2	39.2	40.7	42.4	45.9	50.4
-60°	0.0	14.4	28.8	28.8	28.8	33.5	38.2	39.8	40.4	43.1	46.9
-62.5°	0.0	13.3	26.6	28.8	28.8	31.6	36.0	39.0	39.6	40.0	43.2
-65°	0.0	12.2	24.3	28.8	28.8	29.8	33.7	37.6	39.0	39.0	39.5
-67.5°	0.0	11.0	22.0	28.8	28.8	28.8	31.4	35.0	38.4	38.6	38.3
-70°	0.0	9.8	19.7	28.8	28.8	28.8	29.1	32.3	35.4	38.4	38.1
-72.5°	0.0	8.7	17.3	25.9	28.8	28.8	28.8	29.5	32.3	35.0	37.0
-75°	0.0	7.5	14.9	22.3	28.8	28.8	28.8	28.8	29.1	31.4	33.0
-77.5°	0.0	6.2	12.5	18.6	24.8	28.8	28.8	28.8	28.8	28.8	28.9
-80°	0.0	5.0	10.0	15.0	19.9	24.8	28.8	28.8	28.8	28.8	27.9
-82.5°	0.0	3.8	7.5	11.2	15.0	18.6	22.3	25.9	28.8	28.8	27.8
-85°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.3	19.7	22.0	23.4
-87.5°	0.0	1.3	2.5	3.8	5.0	6.2	7.5	8.7	9.8	11.0	11.7
-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: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.3	12.8	13.2	13.5	13.6	13.7	13.7	13.6	14.2	14.7	15.2
85°	24.6	25.6	24.9	24.3	23.8	23.5	23.3	23.2	23.3	23.2	23.0
82.5°	27.5	27.2	27.2	27.3	27.7	28.2	28.8	28.8	27.8	26.8	25.7
80°	28.5	28.8	29.6	30.1	30.2	30.1	29.7	29.0	27.9	27.4	27.4
77.5°	31.1	32.0	32.6	32.7	32.5	32.6	33.2	33.9	34.5	34.8	35.1
75°	34.6	35.4	35.3	35.5	36.2	37.2	38.4	38.5	38.0	37.7	37.7
72.5°	37.1	36.9	37.3	38.3	39.2	39.6	39.5	38.9	39.6	41.5	43.4
70°	37.8	38.2	39.8	41.0	41.6	41.8	42.9	44.4	46.5	48.7	50.9
67.5°	39.0	41.4	43.0	43.9	44.7	46.0	47.9	50.7	53.3	55.9	58.4
65°	42.6	44.9	45.6	46.4	47.8	50.9	54.1	57.2	60.1	63.4	67.2
62.5°	46.4	46.7	47.2	49.4	53.1	56.7	60.2	63.5	66.7	73.1	79.3
60°	47.5	47.6	50.2	54.4	58.4	62.3	66.1	72.5	79.6	86.4	90.2
57.5°	47.9	50.2	54.8	59.3	63.6	68.7	77.0	85.0	90.2	93.3	102.1
55°	49.4	54.4	59.3	64.1	70.5	79.7	88.3	94.5	99.2	122.9	142.4
52.5°	53.1	58.4	63.6	70.5	80.6	90.4	98.6	121.3	155.4	172.0	183.7
50°	56.7	62.3	68.7	79.7	91.0	101.6	140.1	188.4	208.6	218.4	224.0
47.5°	60.3	66.1	77.0	89.3	102.6	149.2	215.3	239.6	252.9	258.0	264.2
45°	64.1	72.7	85.0	100.9	142.4	229.4	264.7	281.6	286.2	302.9	347.3
42.5°	68.0	80.5	95.7	113.9	224.4	283.6	304.1	309.8	334.0	393.3	452.4
40°	74.8	88.4	107.4	194.7	296.1	320.2	329.9	350.4	426.9	511.3	584.0
37.5°	81.9	99.5	135.1	278.1	329.9	347.7	352.6	443.2	548.6	654.6	757.7
35°	88.9	110.4	205.5	327.9	363.0	367.4	437.8	553.9	697.6	838.3	962.5
32.5°	97.5	121.1	270.5	346.9	380.9	407.0	529.9	702.6	878.0	1045.3	1214.3
30°	106.8	172.8	317.3	363.9	388.8	492.9	661.2	865.0	1076.6	1305.9	1500.0
27.5°	115.9	223.2	331.5	373.9	411.8	572.6	808.3	1055.6	1321.2	1593.6	1830.9
25°	124.6	268.6	343.8	383.5	480.8	686.0	962.7	1252.2	1592.0	1931.8	2326.9
22.5°	147.4	308.2	354.3	394.6	547.8	813.6	1150.5	1526.5	1894.5	2310.0	2931.8
20°	181.1	316.9	363.1	415.1	612.3	941.4	1354.3	1865.1	2383.4	2930.7	4161.7
17.5°	210.3	324.1	372.1	467.4	709.5	1089.8	1584.4	2250.8	2980.3	3922.6	5797.0
15°	235.2	329.8	381.2	515.8	809.6	1262.6	1899.4	2748.4	3774.9	5263.3	8246.9
12.5°	255.7	334.0	390.4	559.8	903.7	1434.7	2229.9	3300.0	4731.8	7129.2	12802.5
10°	272.0	336.8	399.1	598.6	990.0	1601.5	2564.9	3876.4	5741.0	8997.2	17257.7
7.5°	284.2	338.3	407.0	631.8	1066.6	1758.0	2892.2	4455.9	6764.7	10814.1	21474.8
5°	292.4	338.6	413.8	658.6	1131.5	1898.6	3198.7	5014.5	7760.7	12520.8	25299.7
2.5°	296.7	337.7	418.9	678.4	1182.7	2018.0	3470.3	5526.8	8683.7	14053.7	28567.2
0°	297.4	335.7	422.1	690.6	1218.2	2110.3	3693.0	5966.3	9486.6	15347.3	31107.1
-2.5°	303.3	339.6	421.6	685.0	1211.0	2111.6	3726.8	6073.5	9801.7	16044.3	32161.8
-5°	305.3	342.8	419.1	671.5	1185.8	2078.4	3691.6	6069.8	9914.6	16367.3	32216.2
-7.5°	302.9	345.7	414.9	650.3	1142.4	2009.4	3582.4	5944.7	9793.4	16252.8	31180.1
-10°	295.7	348.5	409.2	621.6	1080.9	1903.2	3394.6	5688.8	9409.9	15645.1	28982.3
-12.5°	283.2	351.6	402.6	585.9	1001.2	1759.0	3124.8	5294.8	8740.3	14498.8	25572.7
-15°	265.2	355.3	395.2	543.3	903.3	1576.1	2770.1	4756.7	7766.0	12779.2	20922.6
-17.5°	241.3	359.7	387.4	494.4	787.7	1354.2	2328.8	4105.7	6749.7	11239.7	18581.7
-20°	211.2	365.1	379.5	439.3	667.4	1156.1	2016.0	3563.9	5899.5	9625.9	15833.8



REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	174.8	371.7	376.9	418.8	599.7	994.9	1701.1	2923.9	4893.8	7840.4	13009.8
-25°	149.9	329.7	383.0	408.3	526.5	815.5	1344.0	2261.7	4086.6	6727.6	10782.4
-27.5°	140.9	278.7	391.1	398.6	448.1	649.5	1091.9	1903.0	3287.5	5419.8	8405.8
-30°	130.8	219.8	401.5	395.0	422.1	559.8	882.9	1467.3	2468.7	4280.6	6771.2
-32.5°	119.7	157.5	354.7	407.2	412.9	465.4	670.3	1148.7	1928.9	3090.1	5107.1
-35°	109.4	144.3	275.0	422.3	398.4	420.2	555.2	836.6	1385.6	2303.9	3647.5
-37.5°	101.4	130.0	186.2	381.5	401.1	396.7	432.3	630.3	1000.3	1569.0	2553.7
-40°	92.8	114.6	149.6	272.2	400.9	379.7	399.7	472.8	682.6	1097.7	1672.2
-42.5°	84.2	104.6	131.5	166.0	317.9	376.0	363.2	400.8	494.8	703.8	1104.1
-45°	78.1	94.3	113.9	144.1	209.4	331.1	354.3	348.4	395.0	482.0	685.3
-47.5°	71.7	84.5	102.2	122.9	152.4	224.2	319.0	332.7	331.9	377.3	436.1
-50°	65.9	77.0	90.2	107.6	128.8	156.0	217.7	289.4	307.8	310.2	342.6
-52.5°	62.6	68.9	80.5	94.1	110.3	130.1	155.1	197.6	250.8	276.4	284.6
-55°	58.7	63.5	70.9	82.4	95.4	110.3	127.0	149.7	172.1	211.5	242.8
-57.5°	54.6	58.7	63.7	71.2	82.2	94.1	107.6	120.7	139.8	159.4	180.5
-60°	50.5	53.9	57.7	62.7	69.2	79.6	90.4	102.3	114.0	125.1	141.4
-62.5°	46.4	49.3	52.2	55.5	60.3	65.6	74.2	84.1	94.4	104.1	113.1
-65°	42.6	44.9	47.2	49.6	52.0	56.1	61.0	66.3	74.6	83.1	91.2
-67.5°	39.0	41.4	43.0	44.3	46.3	48.2	50.0	54.0	58.6	63.6	69.1
-70°	37.8	38.2	39.8	41.0	41.6	42.0	43.5	44.9	46.5	49.4	53.7
-72.5°	37.1	36.9	37.3	38.3	39.2	39.6	39.5	38.9	39.6	41.5	43.4
-75°	34.2	35.3	35.3	35.5	36.2	37.2	38.4	38.5	38.0	37.7	37.7
-77.5°	29.7	30.5	31.2	31.9	32.5	32.6	33.2	33.9	34.5	34.8	35.1
-80°	26.8	25.8	26.1	26.4	26.7	26.9	27.1	27.3	27.4	27.4	27.4
-82.5°	26.8	25.7	24.6	23.6	22.5	21.4	20.6	20.4	21.0	21.4	21.7
-85°	24.6	25.6	24.6	23.5	22.4	21.4	20.3	19.2	18.7	18.2	17.9
-87.5°	12.3	12.8	13.2	13.5	13.6	13.7	13.7	13.6	13.4	13.1	12.7
-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: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	16.2	16.6	17.0	17.4	17.7	16.1	14.3	12.4	10.4	8.4
85°	22.6	22.2	21.6	20.9	20.1	19.2	18.0	16.9	15.8	14.8	13.7
82.5°	24.6	23.6	22.5	21.4	20.3	19.3	19.0	18.9	18.9	18.9	19.0
80°	27.3	27.2	27.0	26.7	26.4	26.0	26.5	27.0	27.5	27.9	28.2
77.5°	34.7	34.4	34.2	34.3	34.5	34.8	35.5	36.1	36.7	37.2	37.7
75°	38.0	38.8	40.1	41.4	42.5	43.5	44.5	45.3	46.0	46.6	47.1
72.5°	45.2	46.8	48.4	49.8	51.1	52.3	53.4	54.4	55.2	56.0	56.5
70°	52.9	54.8	56.6	58.6	61.5	64.4	67.1	69.3	71.3	72.9	74.3
67.5°	61.6	65.0	68.8	72.7	76.2	78.9	80.8	82.1	83.2	84.1	84.9
65°	71.9	76.6	80.6	83.8	86.4	89.8	93.2	96.0	98.5	100.6	102.4
62.5°	84.5	88.6	92.6	96.9	101.5	107.6	113.7	118.5	122.6	126.2	129.1
60°	94.5	99.3	112.1	123.0	131.2	137.1	140.7	146.0	151.4	156.5	161.1
57.5°	120.8	136.2	148.5	157.7	164.1	167.7	171.1	180.9	193.6	206.5	219.2
55°	160.5	175.1	186.2	195.4	203.7	210.6	219.8	249.3	288.6	329.6	370.9
52.5°	201.5	214.8	226.8	242.4	274.4	304.8	333.2	380.9	453.8	528.5	603.0
50°	239.5	262.2	301.5	339.7	389.7	444.5	498.7	559.3	669.9	785.3	902.3
47.5°	302.9	347.6	404.8	467.8	536.5	617.2	697.2	773.0	885.6	1012.3	1138.1
45°	385.5	452.1	526.0	616.6	708.9	793.5	869.5	937.5	1018.6	1130.0	1237.0
42.5°	497.3	568.4	666.7	768.6	864.3	936.5	981.9	1020.0	1071.9	1172.5	1260.2
40°	649.5	692.3	808.7	907.3	967.9	1020.1	1059.9	1096.6	1136.9	1233.7	1309.5
37.5°	834.9	882.2	921.9	992.4	1044.1	1089.7	1170.9	1246.4	1295.5	1386.4	1469.1
35°	1065.6	1087.5	1016.5	1057.6	1143.4	1274.3	1427.4	1605.9	1645.2	1670.0	1790.6
32.5°	1319.3	1344.9	1263.1	1203.8	1369.9	1776.7	2051.0	2413.8	2413.6	2122.8	2331.8
30°	1632.6	1729.3	1890.8	1799.5	2127.4	2853.0	3535.8	4086.0	4104.4	3471.4	3692.5
27.5°	2110.9	2596.9	3160.8	4066.5	3813.3	4792.5	6424.9	7278.4	7833.5	7065.4	7522.3
25°	2931.8	3967.9	6559.6	8017.8	8290.5	8778.0	11302.4	13007.1	14755.3	15246.0	14797.7
22.5°	4435.4	7777.4	11231.7	13347.1	14886.2	16282.8	18454.0	22117.0	24270.8	25203.1	25097.1
20°	6946.6	12689.2	17037.6	20184.0	22801.7	25413.8	28867.2	32216.3	34644.6	35727.1	36746.0
17.5°	11716.6	18447.6	23660.1	27655.4	31363.2	35536.4	39032.4	42096.3	43998.6	46837.5	49967.1
15°	17083.9	24756.0	30690.8	35644.7	40349.1	44526.5	47638.0	49496.3	53480.2	58222.0	63899.5
12.5°	22642.8	31208.2	37730.5	43551.3	48868.0	51939.1	53482.0	56101.5	61337.0	68924.4	81439.5
10°	28239.3	37326.8	43978.3	49673.3	54788.5	57622.3	58176.1	61041.8	68421.2	82533.0	102786.4
7.5°	33708.0	43175.5	49485.5	54729.0	58387.5	59979.3	61544.8	66062.6	76668.7	96053.5	137303.2
5°	38849.2	48645.2	54318.2	58872.0	61239.6	61865.7	63641.1	69734.6	84547.4	114522.5	182542.8
2.5°	43443.2	53618.4	58570.1	62287.8	63539.5	63491.8	65295.3	72280.3	90593.4	132903.5	233236.8
0°	47260.2	57974.6	62358.2	65207.0	65533.1	65005.6	66617.0	73734.4	93868.2	141948.5	255437.3
-2.5°	49193.0	60730.9	65387.9	68142.9	68536.3	68044.2	69337.2	75950.6	94851.8	138901.6	241594.7
-5°	49956.5	62637.2	68109.8	70918.1	71558.1	71185.3	72002.0	77323.4	92831.5	125676.5	195329.4
-7.5°	49409.0	63595.2	70551.3	73608.5	74643.3	74468.0	74734.8	78015.8	88415.0	108926.4	151680.3
-10°	47437.4	63530.4	72742.2	76282.9	77828.2	77942.5	78011.3	79258.1	84818.5	98233.3	118652.8
-12.5°	43961.5	62394.9	74712.8	78981.5	80869.5	81719.6	82153.6	83055.7	85474.0	90068.5	102362.1
-15°	39039.7	58750.5	72980.1	79868.0	83043.0	85032.2	86350.7	87094.5	88420.2	90594.7	94464.8
-17.5°	33048.4	51782.0	68819.1	80184.0	84606.2	87446.0	89601.6	91399.4	92030.9	93165.2	94942.8
-20°	26045.6	43644.4	62117.5	75832.4	84357.7	88877.0	91938.3	93711.5	95011.4	96090.6	97921.8



REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21254.2	35071.0	52165.1	69503.5	81005.4	88160.8	92268.1	94095.1	95881.9	97725.7	99713.1
-25°	16897.8	26090.1	41621.1	57851.7	73335.5	83857.5	89511.0	92773.8	94939.3	97224.1	99284.8
-27.5°	13315.8	20549.3	30532.5	45491.1	60486.1	73789.2	82156.2	89037.3	91961.8	94804.2	96478.6
-30°	10030.2	15249.7	22985.3	32840.7	45612.1	57566.9	69274.0	78137.8	84839.1	90048.8	91893.8
-32.5°	7800.5	11258.2	16385.4	23554.0	30934.3	41274.4	51358.0	61327.0	70466.2	77274.8	81527.9
-35°	5682.9	8397.9	11618.5	16209.1	21389.7	27612.7	34142.9	42668.5	50324.5	57458.1	63472.4
-37.5°	3916.9	5922.5	8415.7	11101.3	14848.1	18643.7	23244.8	27652.7	31342.8	37463.3	42585.2
-40°	2639.0	3824.3	5734.8	7770.8	10208.5	12627.5	15916.7	18905.1	21839.3	24685.8	26994.7
-42.5°	1669.2	2543.4	3568.3	5123.7	6828.6	8704.8	10775.8	12736.1	14881.5	16842.0	18477.2
-45°	998.6	1566.1	2234.1	3188.3	4170.0	5597.6	7041.2	8409.1	9889.8	11165.2	12263.0
-47.5°	631.7	864.1	1324.5	1865.8	2503.4	3371.6	4240.7	5157.8	6171.3	7035.3	7773.0
-50°	413.1	534.6	751.5	982.7	1398.7	1880.1	2357.7	2944.5	3534.6	4063.1	4523.4
-52.5°	302.2	365.7	444.0	555.1	757.8	967.3	1180.5	1527.1	1841.7	2118.8	2356.0
-55°	265.2	280.3	294.4	348.7	423.6	504.2	605.3	764.8	902.5	1024.0	1128.3
-57.5°	209.1	234.6	254.4	266.1	276.8	286.3	326.3	387.4	443.5	493.6	537.1
-60°	156.9	171.6	192.9	212.2	228.8	242.6	250.1	258.0	265.3	271.7	277.2
-62.5°	121.5	132.8	145.3	156.9	167.7	179.7	191.8	201.7	210.2	217.3	222.9
-65°	98.8	106.1	112.8	119.1	125.1	134.0	141.9	148.4	153.6	157.8	160.8
-67.5°	76.0	82.4	88.5	94.1	99.3	104.0	108.3	112.1	115.4	118.2	120.6
-70°	57.7	61.5	65.0	68.9	73.5	77.7	81.5	84.8	87.7	90.2	92.3
-72.5°	45.2	46.8	48.7	51.6	54.2	56.6	58.8	60.7	62.4	63.8	65.0
-75°	38.0	38.8	40.1	41.4	42.5	43.5	44.5	45.3	46.0	46.6	47.1
-77.5°	34.7	34.4	34.2	34.3	34.5	34.8	35.5	36.1	36.7	37.2	37.7
-80°	27.3	27.2	27.0	26.7	26.4	26.0	26.2	26.6	27.1	27.5	27.9
-82.5°	21.7	21.5	21.2	20.7	20.0	19.3	18.2	17.1	16.1	15.0	13.9
-85°	17.7	17.5	17.5	17.5	17.6	17.7	17.0	16.2	15.4	14.5	13.6
-87.5°	12.2	11.7	11.1	10.4	9.7	8.9	8.0	7.1	6.2	5.2	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: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	4.3	2.1	0.0	2.1	4.3	6.4	8.4	10.4	12.4	14.3
85°	12.7	11.7	10.7	9.6	10.7	11.7	12.7	13.7	14.8	15.8	16.9
82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	19.0	18.9	18.9	18.9
80°	28.5	28.7	28.8	28.8	28.8	28.7	28.5	28.2	27.9	27.5	27.0
77.5°	38.0	38.2	38.4	38.4	38.4	38.2	38.0	37.7	37.2	36.7	36.1
75°	47.5	47.8	47.9	48.0	47.9	47.8	47.5	47.1	46.6	46.0	45.3
72.5°	57.0	57.3	57.5	57.6	57.5	57.3	57.0	56.5	56.0	55.2	54.4
70°	75.3	76.1	76.5	76.7	76.5	76.1	75.3	74.3	72.9	71.3	69.3
67.5°	85.5	86.0	86.2	86.3	86.2	86.0	85.5	84.9	84.1	83.2	82.1
65°	103.7	104.7	105.3	105.5	105.3	104.7	103.7	102.4	100.6	98.5	96.0
62.5°	131.4	133.0	134.0	134.3	134.0	133.0	131.4	129.1	126.2	122.6	118.5
60°	165.1	168.4	171.0	172.7	171.0	168.4	165.1	161.1	156.5	151.4	146.0
57.5°	231.2	242.1	251.5	259.0	251.5	242.1	231.2	219.2	206.5	193.6	180.9
55°	411.1	448.5	481.4	508.4	481.4	448.5	411.1	370.9	329.6	288.6	249.3
52.5°	675.0	742.3	802.6	853.7	802.6	742.3	675.0	603.0	528.5	453.8	380.9
50°	1017.3	1126.8	1227.0	1314.1	1227.0	1126.8	1017.3	902.3	785.3	669.9	559.3
47.5°	1261.0	1379.1	1490.2	1592.3	1490.2	1379.1	1261.0	1138.1	1012.3	885.6	773.0
45°	1340.0	1439.6	1536.3	1630.7	1536.3	1439.6	1340.0	1237.0	1130.0	1018.6	937.5
42.5°	1337.8	1408.7	1476.3	1544.3	1476.3	1408.7	1337.8	1260.2	1172.5	1071.9	1020.0
40°	1366.6	1409.8	1444.8	1477.2	1444.8	1409.8	1366.6	1309.5	1233.7	1136.9	1096.6
37.5°	1528.3	1567.5	1590.6	1601.9	1590.6	1567.5	1528.3	1469.1	1386.4	1295.5	1246.4
35°	1885.8	1954.8	1997.7	2014.3	1997.7	1954.8	1885.8	1790.6	1670.0	1645.2	1605.9
32.5°	2481.4	2574.6	2615.3	2609.9	2615.3	2574.6	2481.4	2331.8	2122.8	2413.6	2413.8
30°	4110.5	4270.9	4216.7	3999.9	4216.7	4270.9	4110.5	3692.5	3471.4	4104.4	4086.0
27.5°	8776.3	9255.0	9067.7	8354.7	9067.7	9255.0	8776.3	7522.3	7065.4	7833.5	7278.4
25°	16152.7	16432.0	15706.6	14186.7	15706.6	16432.0	16152.7	14797.7	15246.0	14755.3	13007.1
22.5°	25968.9	26651.8	26089.0	24344.7	26089.0	26651.8	25968.9	25097.1	25203.1	24270.8	22117.0
20°	38675.6	41168.0	42319.7	41744.8	42319.7	41168.0	38675.6	36746.0	35727.1	34644.6	32216.3
17.5°	53813.0	58388.8	61748.3	62885.7	61748.3	58388.8	53813.0	49967.1	46837.5	43998.6	42096.3
15°	71889.8	80364.2	87573.5	91259.1	87573.5	80364.2	71889.8	63899.5	58222.0	53480.2	49496.3
12.5°	95190.3	112287.3	129877.8	139094.9	129877.8	112287.3	95190.3	81439.5	68924.4	61337.0	56101.5
10°	135964.6	177192.9	218647.9	231409.1	218647.9	177192.9	135964.6	102786.4	82533.0	68421.2	61041.8
7.5°	208805.5	318772.9	445848.0	493608.8	445848.0	318772.9	208805.5	137303.2	96053.5	76668.7	66062.6
5°	327743.8	578947.7	897710.9	#####	897710.9	578947.7	327743.8	182542.8	114522.5	84547.4	69734.6
2.5°	465810.1	912296.0	#####	#####	#####	912296.0	465810.1	233236.8	132903.5	90593.4	72280.3
0°	541761.0	#####	#####	#####	#####	#####	541761.0	255437.3	141948.5	93868.2	73734.4
-2.5°	489801.3	950441.3	#####	#####	#####	950441.3	489801.3	241594.7	138901.6	94851.8	75950.6
-5°	359589.4	650309.5	996685.0	#####	996685.0	650309.5	359589.4	195329.4	125676.5	92831.5	77323.4
-7.5°	230386.6	377938.7	546659.1	622488.1	546659.1	377938.7	230386.6	151680.3	108926.4	88415.0	78015.8
-10°	154313.7	207614.9	264190.0	279110.6	264190.0	207614.9	154313.7	118652.8	98233.3	84818.5	79258.1
-12.5°	115858.6	134480.1	150731.8	157708.3	150731.8	134480.1	115858.6	102362.1	90068.5	85474.0	83055.7
-15°	101879.3	109041.4	113885.4	116822.0	113885.4	109041.4	101879.3	94464.8	90594.7	88420.2	87094.5
-17.5°	98454.6	100563.6	102498.9	104381.1	102498.9	100563.6	98454.6	94942.8	93165.2	92030.9	91399.4
-20°	99645.0	100327.4	101371.4	102635.3	101371.4	100327.4	99645.0	97921.8	96090.6	95011.4	93711.5



REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	100711.0	101347.1	102179.6	103047.8	102179.6	101347.1	100711.0	99713.1	97725.7	95881.9	94095.1
-25°	100006.7	100689.8	101285.7	101695.3	101285.7	100689.8	100006.7	99284.8	97224.1	94939.3	92773.8
-27.5°	97385.0	98073.7	98499.0	98616.2	98499.0	98073.7	97385.0	96478.6	94804.2	91961.8	89037.3
-30°	93152.7	94001.6	94434.5	94453.3	94434.5	94001.6	93152.7	91893.8	90048.8	84839.1	78137.8
-32.5°	84884.7	87292.0	88707.2	89100.9	88707.2	87292.0	84884.7	81527.9	77274.8	70466.2	61327.0
-35°	68160.5	71483.5	73419.5	73964.6	73419.5	71483.5	68160.5	63472.4	57458.1	50324.5	42668.5
-37.5°	46624.1	49536.7	51290.3	51864.4	51290.3	49536.7	46624.1	42585.2	37463.3	31342.8	27652.7
-40°	28771.6	30019.8	30748.5	30972.8	30748.5	30019.8	28771.6	26994.7	24685.8	21839.3	18905.1
-42.5°	19779.8	20745.0	21371.0	21658.9	21371.0	20745.0	19779.8	18477.2	16842.0	14881.5	12736.1
-45°	13170.5	13875.8	14368.0	14637.5	14368.0	13875.8	13170.5	12263.0	11165.2	9889.8	8409.1
-47.5°	8378.1	8844.8	9167.7	9342.7	9167.7	8844.8	8378.1	7773.0	7035.3	6171.3	5157.8
-50°	4909.0	5213.3	5430.2	5553.8	5430.2	5213.3	4909.0	4523.4	4063.1	3534.6	2944.5
-52.5°	2550.7	2700.7	2803.9	2858.4	2803.9	2700.7	2550.7	2356.0	2118.8	1841.7	1527.1
-55°	1214.3	1281.0	1327.3	1352.5	1327.3	1281.0	1214.3	1128.3	1024.0	902.5	764.8
-57.5°	573.5	602.0	622.1	633.1	622.1	602.0	573.5	537.1	493.6	443.5	387.4
-60°	281.7	285.0	287.1	287.8	287.1	285.0	281.7	277.2	271.7	265.3	258.0
-62.5°	227.0	229.6	230.6	230.2	230.6	229.6	227.0	222.9	217.3	210.2	201.7
-65°	162.8	163.8	163.9	163.1	163.9	163.8	162.8	160.8	157.8	153.6	148.4
-67.5°	122.4	123.7	124.4	124.7	124.4	123.7	122.4	120.6	118.2	115.4	112.1
-70°	93.8	95.0	95.7	95.9	95.7	95.0	93.8	92.3	90.2	87.7	84.8
-72.5°	65.9	66.6	67.0	67.1	67.0	66.6	65.9	65.0	63.8	62.4	60.7
-75°	47.5	47.8	47.9	48.0	47.9	47.8	47.5	47.1	46.6	46.0	45.3
-77.5°	38.0	38.2	38.4	38.4	38.4	38.2	38.0	37.7	37.2	36.7	36.1
-80°	28.2	28.5	28.7	28.8	28.7	28.5	28.2	27.9	27.5	27.1	26.6
-82.5°	12.8	11.8	10.7	9.6	10.7	11.8	12.8	13.9	15.0	16.1	17.1
-85°	12.6	11.7	10.7	9.6	10.7	11.7	12.6	13.6	14.5	15.4	16.2
-87.5°	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2	5.2	6.2	7.1
-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: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.1	17.7	17.4	17.0	16.6	16.2	15.7	15.2	14.7	14.2	13.6
85°	18.0	19.2	20.1	20.9	21.6	22.2	22.6	23.0	23.2	23.3	23.2
82.5°	19.0	19.3	20.3	21.4	22.5	23.6	24.6	25.7	26.8	27.8	28.8
80°	26.5	26.0	26.4	26.7	27.0	27.2	27.3	27.4	27.4	27.9	29.0
77.5°	35.5	34.8	34.5	34.3	34.2	34.4	34.7	35.1	34.8	34.5	33.9
75°	44.5	43.5	42.5	41.4	40.1	38.8	38.0	37.7	37.7	38.0	38.5
72.5°	53.4	52.3	51.1	49.8	48.4	46.8	45.2	43.4	41.5	39.6	38.9
70°	67.1	64.4	61.5	58.6	56.6	54.8	52.9	50.9	48.7	46.5	44.4
67.5°	80.8	78.9	76.2	72.7	68.8	65.0	61.6	58.4	55.9	53.3	50.7
65°	93.2	89.8	86.4	83.8	80.6	76.6	71.9	67.2	63.4	60.1	57.2
62.5°	113.7	107.6	101.5	96.9	92.6	88.6	84.5	79.3	73.1	66.7	63.5
60°	140.7	137.1	131.2	123.0	112.1	99.3	94.5	90.2	86.4	79.6	72.5
57.5°	171.1	167.7	164.1	157.7	148.5	136.2	120.8	102.1	93.3	90.2	85.0
55°	219.8	210.6	203.7	195.4	186.2	175.1	160.5	142.4	122.9	99.2	94.5
52.5°	333.2	304.8	274.4	242.4	226.8	214.8	201.5	183.7	172.0	155.4	121.3
50°	498.7	444.5	389.7	339.7	301.5	262.2	239.5	224.0	218.4	208.6	188.4
47.5°	697.2	617.2	536.5	467.8	404.8	347.6	302.9	264.2	258.0	252.9	239.6
45°	869.5	793.5	708.9	616.6	526.0	452.1	385.5	347.3	302.9	286.2	281.6
42.5°	981.9	936.5	864.3	768.6	666.7	568.4	497.3	452.4	393.3	334.0	309.8
40°	1059.9	1020.1	967.9	907.3	808.7	692.3	649.5	584.0	511.3	426.9	350.4
37.5°	1170.9	1089.7	1044.1	992.4	921.9	882.2	834.9	757.7	654.6	548.6	443.2
35°	1427.4	1274.3	1143.4	1057.6	1016.5	1087.5	1065.6	962.5	838.3	697.6	553.9
32.5°	2051.0	1776.7	1369.9	1203.8	1263.1	1344.9	1319.3	1214.3	1045.3	878.0	702.6
30°	3535.8	2853.0	2127.4	1799.5	1890.8	1729.3	1632.6	1500.0	1305.9	1076.6	865.0
27.5°	6424.9	4792.5	3813.3	4066.5	3160.8	2596.9	2110.9	1830.9	1593.6	1321.2	1055.6
25°	11302.4	8778.0	8290.5	8017.8	6559.6	3967.9	2931.8	2326.9	1931.8	1592.0	1252.2
22.5°	18454.0	16282.8	14886.2	13347.1	11231.7	7777.4	4435.4	2931.8	2310.0	1894.5	1526.5
20°	28867.2	25413.8	22801.7	20184.0	17037.6	12689.2	6946.6	4161.7	2930.7	2383.4	1865.1
17.5°	39032.4	35536.4	31363.2	27655.4	23660.1	18447.6	11716.6	5979.0	3922.6	2980.3	2250.8
15°	47638.0	44526.5	40349.1	35644.7	30690.8	24756.0	17083.9	8246.9	5263.3	3774.9	2748.4
12.5°	53482.0	51939.1	48868.0	43551.3	37730.5	31208.2	22642.8	12802.5	7129.2	4731.8	3300.0
10°	58176.1	57622.3	54788.5	49673.3	43978.3	37326.8	28239.3	17257.7	8997.2	5741.0	3876.4
7.5°	61544.8	59979.3	58387.5	54729.0	49485.5	43175.5	33708.0	21474.8	10814.1	6764.7	4455.9
5°	63641.1	61865.7	61239.6	58872.0	54318.2	48645.2	38849.2	25299.7	12520.8	7760.7	5014.5
2.5°	65295.3	63491.8	63539.5	62287.8	58570.1	53618.4	43443.2	28567.2	14053.7	8683.7	5526.8
0°	66617.0	65005.6	65533.1	65207.0	62358.2	57974.6	47260.2	31107.1	15347.3	9486.6	5966.3
-2.5°	69337.2	68044.2	68536.3	68142.9	65387.9	60730.9	49193.0	32161.8	16044.3	9801.7	6073.5
-5°	72002.0	71185.3	71558.1	70918.1	68109.8	62637.2	49956.5	32216.2	16367.3	9914.6	6069.8
-7.5°	74734.8	74468.0	74643.3	73608.5	70551.3	63595.2	49409.0	31180.1	16252.8	9793.4	5944.7
-10°	78011.3	77942.5	77828.2	76282.9	72742.2	63530.4	47437.4	28982.3	15645.1	9409.9	5688.8
-12.5°	82153.6	81719.6	80869.5	78981.5	74712.8	62394.9	43961.5	25572.7	14498.8	8740.3	5294.8
-15°	86350.7	85032.2	83043.0	79868.0	72980.1	58750.5	39039.7	20922.6	12779.2	7766.0	4756.7
-17.5°	89601.6	87446.0	84606.2	80184.0	68819.1	51782.0	33048.4	18581.7	11239.7	6749.7	4105.7
-20°	91938.3	88877.0	84357.7	75832.4	62117.5	43644.4	26045.6	15833.8	9625.9	5899.5	3563.9



REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	92268.1	88160.8	81005.4	69503.5	52165.1	35071.0	21254.2	13009.8	7840.4	4893.8	2923.9
-25°	89511.0	83857.5	73335.5	57851.7	41621.1	26090.1	16897.8	10782.4	6727.6	4086.6	2261.7
-27.5°	82156.2	73789.2	60486.1	45491.1	30532.5	20549.3	13315.8	8405.8	5419.8	3287.5	1903.0
-30°	69274.0	57566.9	45612.1	32840.7	22985.3	15249.7	10030.2	6771.2	4280.6	2468.7	1467.3
-32.5°	51358.0	41274.4	30934.3	23554.0	16385.4	11258.2	7800.5	5107.1	3090.1	1928.9	1148.7
-35°	34142.9	27612.7	21389.7	16209.1	11618.5	8397.9	5682.9	3647.5	2303.9	1385.6	836.6
-37.5°	23244.8	18643.7	14848.1	11101.3	8415.7	5922.5	3916.9	2553.7	1569.0	1000.3	630.3
-40°	15916.7	12627.5	10208.5	7770.8	5734.8	3824.3	2639.0	1672.2	1097.7	682.6	472.8
-42.5°	10775.8	8704.8	6828.6	5123.7	3568.3	2543.4	1669.2	1104.1	703.8	494.8	400.8
-45°	7041.2	5597.6	4170.0	3188.3	2234.1	1566.1	998.6	685.3	482.0	395.0	348.4
-47.5°	4240.7	3371.6	2503.4	1865.8	1324.5	864.1	631.7	436.1	377.3	331.9	332.7
-50°	2357.7	1880.1	1398.7	982.7	751.5	534.6	413.1	342.6	310.2	307.8	289.4
-52.5°	1180.5	967.3	757.8	555.1	444.0	365.7	302.2	284.6	276.4	250.8	197.6
-55°	605.3	504.2	423.6	348.7	294.4	280.3	265.2	242.8	211.5	172.1	149.7
-57.5°	326.3	286.3	276.8	266.1	254.4	234.6	209.1	180.5	159.4	139.8	120.7
-60°	250.1	242.6	228.8	212.2	192.9	171.6	156.9	141.4	125.1	114.0	102.3
-62.5°	191.8	179.7	167.7	156.9	145.3	132.8	121.5	113.1	104.1	94.4	84.1
-65°	141.9	134.0	125.1	119.1	112.8	106.1	98.8	91.2	83.1	74.6	66.3
-67.5°	108.3	104.0	99.3	94.1	88.5	82.4	76.0	69.1	63.6	58.6	54.0
-70°	81.5	77.7	73.5	68.9	65.0	61.5	57.7	53.7	49.4	46.5	44.9
-72.5°	58.8	56.6	54.2	51.6	48.7	46.8	45.2	43.4	41.5	39.6	38.9
-75°	44.5	43.5	42.5	41.4	40.1	38.8	38.0	37.7	37.7	38.0	38.5
-77.5°	35.5	34.8	34.5	34.3	34.2	34.4	34.7	35.1	34.8	34.5	33.9
-80°	26.2	26.0	26.4	26.7	27.0	27.2	27.3	27.4	27.4	27.4	27.3
-82.5°	18.2	19.3	20.0	20.7	21.2	21.5	21.7	21.7	21.4	21.0	20.4
-85°	17.0	17.7	17.6	17.5	17.5	17.5	17.7	17.9	18.2	18.7	19.2
-87.5°	8.0	8.9	9.7	10.4	11.1	11.7	12.2	12.7	13.1	13.4	13.6
-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: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.7	13.7	13.6	13.5	13.2	12.8	12.3	11.7	11.0	9.8	8.7
85°	23.3	23.5	23.8	24.3	24.9	25.6	24.6	23.4	22.0	19.7	17.3
82.5°	28.8	28.2	27.7	27.3	27.2	27.2	27.5	28.1	28.8	28.8	25.9
80°	29.7	30.1	30.2	30.1	29.6	28.8	28.5	28.5	28.8	28.8	28.8
77.5°	33.2	32.6	32.5	32.7	32.6	32.0	31.1	29.7	28.8	28.8	28.8
75°	38.4	37.2	36.2	35.5	35.3	35.4	34.6	33.3	31.4	29.1	28.8
72.5°	39.5	39.6	39.2	38.3	37.3	36.9	37.1	37.1	35.0	32.3	29.5
70°	42.9	41.8	41.6	41.0	39.8	38.2	37.8	38.1	38.4	35.4	32.3
67.5°	47.9	46.0	44.7	43.9	43.0	41.4	39.0	38.3	38.6	38.4	35.0
65°	54.1	50.9	47.8	46.4	45.6	44.9	42.6	39.5	39.0	39.0	37.6
62.5°	60.2	56.7	53.1	49.4	47.2	46.7	46.4	43.2	40.0	39.6	39.0
60°	66.1	62.3	58.4	54.4	50.2	47.6	47.5	46.9	43.1	40.4	39.8
57.5°	77.0	68.7	63.6	59.3	54.8	50.2	47.9	48.1	45.9	42.4	40.7
55°	88.3	79.7	70.5	64.1	59.3	54.4	49.4	48.4	48.1	44.6	41.7
52.5°	98.6	90.4	80.6	70.5	63.6	58.4	53.1	48.9	48.7	46.7	43.3
50°	140.1	101.6	91.0	79.7	68.7	62.3	56.7	51.8	49.5	48.2	44.9
47.5°	215.3	149.2	102.6	89.3	77.0	66.1	60.3	54.7	50.3	49.1	46.3
45°	264.7	229.4	142.4	100.9	85.0	72.7	64.1	57.3	52.6	50.1	47.5
42.5°	304.1	283.6	224.4	113.9	95.7	80.5	68.0	60.6	54.6	51.1	48.6
40°	329.9	320.2	296.1	194.7	107.4	88.4	74.8	64.3	56.4	52.4	49.5
37.5°	352.6	347.7	329.9	278.1	135.1	99.5	81.9	67.9	58.5	53.9	50.6
35°	437.8	367.4	363.0	327.9	205.5	110.4	88.9	72.6	61.7	55.1	51.7
32.5°	529.9	407.0	380.9	346.9	270.5	121.1	97.5	78.7	64.9	56.2	52.8
30°	661.2	492.9	388.8	363.9	317.3	172.8	106.8	84.7	68.1	57.1	53.9
27.5°	808.3	572.6	411.8	373.9	331.5	223.2	115.9	90.6	71.2	58.6	54.7
25°	962.7	686.0	480.8	383.5	343.8	268.6	124.6	96.3	75.3	61.0	55.4
22.5°	1150.5	813.6	547.8	394.6	354.3	308.2	147.4	103.4	79.9	63.4	56.0
20°	1354.3	941.4	612.3	415.1	363.1	316.9	181.1	110.2	84.2	65.6	56.5
17.5°	1584.4	1089.8	709.5	467.4	372.1	324.1	210.3	116.5	88.2	67.7	56.8
15°	1899.4	1262.6	809.6	515.8	381.2	329.8	235.2	122.2	91.8	69.6	57.1
12.5°	2229.9	1434.7	903.7	559.8	390.4	334.0	255.7	127.4	95.2	71.4	57.3
10°	2564.9	1601.5	990.0	598.6	399.1	336.8	272.0	132.1	98.1	72.9	57.5
7.5°	2892.2	1758.0	1066.6	631.8	407.0	338.3	284.2	136.1	100.6	74.3	57.5
5°	3198.7	1898.6	1131.5	658.6	413.8	338.6	292.4	139.4	102.7	75.3	57.6
2.5°	3470.3	2018.0	1182.7	678.4	418.9	337.7	296.7	142.0	104.4	76.2	57.6
0°	3693.0	2110.3	1218.2	690.6	422.1	335.7	297.4	143.9	105.5	76.7	57.6
-2.5°	3726.8	2111.6	1211.0	685.0	421.6	339.6	303.3	144.5	105.7	76.9	57.9
-5°	3691.6	2078.4	1185.8	671.5	419.1	342.8	305.3	144.3	105.3	76.9	58.2
-7.5°	3582.4	2009.4	1142.4	650.3	414.9	345.7	302.9	143.2	104.5	76.5	58.5
-10°	3394.6	1903.2	1080.9	621.6	409.2	348.5	295.7	141.3	103.1	75.8	58.8
-12.5°	3124.8	1759.0	1001.2	585.9	402.6	351.6	283.2	138.5	101.2	74.8	59.0
-15°	2770.1	1576.1	903.3	543.3	395.2	355.3	265.2	134.8	98.8	73.6	59.1
-17.5°	2328.8	1354.2	787.7	494.4	387.4	359.7	241.3	130.1	95.9	72.0	59.1
-20°	2016.0	1156.1	667.4	439.3	379.5	365.1	211.2	124.6	92.5	70.1	59.1



REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1701.1	994.9	599.7	418.8	376.9	371.7	174.8	118.1	88.7	68.0	58.9
-25°	1344.0	815.5	526.5	408.3	383.0	329.7	149.9	110.6	84.3	65.6	58.6
-27.5°	1091.9	649.5	448.1	398.6	391.1	278.7	140.9	105.1	80.1	62.9	58.3
-30°	882.9	559.8	422.1	395.0	401.5	219.8	130.8	99.2	76.7	61.5	57.7
-32.5°	670.3	465.4	412.9	407.2	354.7	157.5	119.7	92.9	73.1	60.9	56.4
-35°	555.2	420.2	398.4	422.3	275.0	144.3	109.4	86.0	69.1	60.1	54.8
-37.5°	432.3	396.7	401.1	381.5	186.2	130.0	101.4	80.3	64.9	59.2	53.0
-40°	399.7	379.7	400.9	272.2	149.6	114.6	92.8	75.3	62.8	58.0	51.1
-42.5°	363.2	376.0	317.9	166.0	131.5	104.6	84.2	70.0	61.3	56.1	49.2
-45°	354.3	331.1	209.4	144.1	113.9	94.3	78.1	65.0	59.5	53.7	47.5
-47.5°	319.0	224.2	152.4	122.9	102.2	84.5	71.7	62.7	57.5	51.3	46.3
-50°	217.7	156.0	128.8	107.6	90.2	77.0	65.9	60.1	54.7	48.8	44.9
-52.5°	155.1	130.1	110.3	94.1	80.5	68.9	62.6	57.2	51.7	46.7	43.3
-55°	127.0	110.3	95.4	82.4	70.9	63.5	58.7	53.9	48.7	44.6	41.7
-57.5°	107.6	94.1	82.2	71.2	63.7	58.7	54.6	50.4	45.9	42.4	40.7
-60°	90.4	79.6	69.2	62.7	57.7	53.9	50.5	46.9	43.1	40.4	39.8
-62.5°	74.2	65.6	60.3	55.5	52.2	49.3	46.4	43.2	40.0	39.6	39.0
-65°	61.0	56.1	52.0	49.6	47.2	44.9	42.6	39.5	39.0	39.0	37.6
-67.5°	50.0	48.2	46.3	44.3	43.0	41.4	39.0	38.3	38.6	38.4	35.0
-70°	43.5	42.0	41.6	41.0	39.8	38.2	37.8	38.1	38.4	35.4	32.3
-72.5°	39.5	39.6	39.2	38.3	37.3	36.9	37.1	37.0	35.0	32.3	29.5
-75°	38.4	37.2	36.2	35.5	35.3	35.3	34.2	33.0	31.4	29.1	28.8
-77.5°	33.2	32.6	32.5	31.9	31.2	30.5	29.7	28.9	28.8	28.8	28.8
-80°	27.1	26.9	26.7	26.4	26.1	25.8	26.8	27.9	28.8	28.8	28.8
-82.5°	20.6	21.4	22.5	23.6	24.6	25.7	26.8	27.8	28.8	28.8	25.9
-85°	20.3	21.4	22.4	23.5	24.6	25.6	24.6	23.4	22.0	19.7	17.3
-87.5°	13.7	13.7	13.6	13.5	13.2	12.8	12.3	11.7	11.0	9.8	8.7
-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: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	6.2	5.0	3.8	2.5	1.3	0.0
85°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
82.5°	22.3	18.6	15.0	11.2	7.5	3.8	0.0
80°	28.8	24.8	19.9	15.0	10.0	5.0	0.0
77.5°	28.8	28.8	24.8	18.6	12.5	6.2	0.0
75°	28.8	28.8	28.8	22.3	14.9	7.5	0.0
72.5°	28.8	28.8	28.8	25.9	17.3	8.7	0.0
70°	29.1	28.8	28.8	28.8	19.7	9.8	0.0
67.5°	31.4	28.8	28.8	28.8	22.0	11.0	0.0
65°	33.7	29.8	28.8	28.8	24.3	12.2	0.0
62.5°	36.0	31.6	28.8	28.8	26.6	13.3	0.0
60°	38.2	33.5	28.8	28.8	28.8	14.4	0.0
57.5°	39.2	35.2	30.2	28.8	28.8	15.5	0.0
55°	40.2	37.0	31.6	28.8	28.8	16.5	0.0
52.5°	41.2	38.6	32.9	28.8	28.8	17.5	0.0
50°	42.3	39.5	34.2	28.8	28.8	18.5	0.0
47.5°	43.4	40.4	35.5	29.0	28.8	19.5	0.0
45°	44.4	41.4	36.7	29.9	28.8	20.4	0.0
42.5°	45.4	42.4	37.8	30.8	28.8	21.2	0.0
40°	46.2	43.4	38.8	31.6	28.8	22.1	0.0
37.5°	47.0	44.4	39.6	32.4	28.8	22.8	0.0
35°	47.6	45.2	40.3	33.2	28.8	23.6	0.0
32.5°	48.3	45.7	41.1	33.9	28.8	24.3	0.0
30°	49.1	46.2	41.8	34.5	28.8	24.9	0.0
27.5°	50.0	46.6	42.5	35.1	28.8	25.5	0.0
25°	50.9	46.9	43.2	35.7	28.8	26.1	0.0
22.5°	51.8	47.2	43.9	36.2	28.8	26.6	0.0
20°	52.6	47.4	44.5	36.7	28.8	27.1	0.0
17.5°	53.5	47.6	45.2	37.1	28.8	27.5	0.0
15°	54.3	47.8	45.7	37.4	28.8	27.8	0.0
12.5°	55.0	47.9	46.2	37.7	28.8	28.1	0.0
10°	55.7	47.9	46.7	38.0	28.8	28.4	0.0
7.5°	56.3	48.0	47.1	38.2	28.8	28.6	0.0
5°	56.8	48.0	47.5	38.3	28.8	28.7	0.0
2.5°	57.3	48.0	47.8	38.4	28.8	28.8	0.0
0°	57.6	48.0	48.0	38.4	28.8	28.8	0.0
-2.5°	57.5	48.0	47.8	38.4	28.8	28.8	0.0
-5°	57.4	48.0	47.5	38.3	28.8	28.7	0.0
-7.5°	57.1	48.0	47.1	38.2	28.8	28.6	0.0
-10°	56.7	47.9	46.7	38.0	28.8	28.4	0.0
-12.5°	56.2	47.9	46.2	37.7	28.8	28.1	0.0
-15°	55.6	47.8	45.7	37.4	28.8	27.8	0.0
-17.5°	54.9	47.6	45.2	37.1	28.8	27.5	0.0
-20°	54.1	47.4	44.5	36.7	28.8	27.1	0.0



REPORT NUMBER: P699998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1L-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.1	47.2	43.9	36.2	28.8	26.6	0.0
-25°	52.1	46.9	43.2	35.7	28.8	26.1	0.0
-27.5°	51.0	46.6	42.5	35.1	28.8	25.5	0.0
-30°	49.7	46.2	41.8	34.5	28.8	24.9	0.0
-32.5°	48.4	45.7	41.1	33.9	28.8	24.3	0.0
-35°	47.6	45.2	40.3	33.2	28.8	23.6	0.0
-37.5°	47.0	44.4	39.6	32.4	28.8	22.8	0.0
-40°	46.2	43.4	38.8	31.6	28.8	22.1	0.0
-42.5°	45.4	42.4	37.8	30.8	28.8	21.2	0.0
-45°	44.4	41.4	36.7	29.9	28.8	20.4	0.0
-47.5°	43.4	40.4	35.5	29.0	28.8	19.5	0.0
-50°	42.3	39.5	34.2	28.8	28.8	18.5	0.0
-52.5°	41.2	38.6	32.9	28.8	28.8	17.5	0.0
-55°	40.2	37.0	31.6	28.8	28.8	16.5	0.0
-57.5°	39.2	35.2	30.2	28.8	28.8	15.5	0.0
-60°	38.2	33.5	28.8	28.8	28.8	14.4	0.0
-62.5°	36.0	31.6	28.8	28.8	26.6	13.3	0.0
-65°	33.7	29.8	28.8	28.8	24.3	12.2	0.0
-67.5°	31.4	28.8	28.8	28.8	22.0	11.0	0.0
-70°	29.1	28.8	28.8	28.8	19.7	9.8	0.0
-72.5°	28.8	28.8	28.8	25.9	17.3	8.7	0.0
-75°	28.8	28.8	28.8	22.3	14.9	7.5	0.0
-77.5°	28.8	28.8	24.8	18.6	12.5	6.2	0.0
-80°	28.8	24.8	19.9	15.0	10.0	5.0	0.0
-82.5°	22.3	18.6	15.0	11.2	7.5	3.8	0.0
-85°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
-87.5°	7.5	6.2	5.0	3.8	2.5	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)