

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: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-3L-S**

Issue Date: 8/10/2023

Test Information

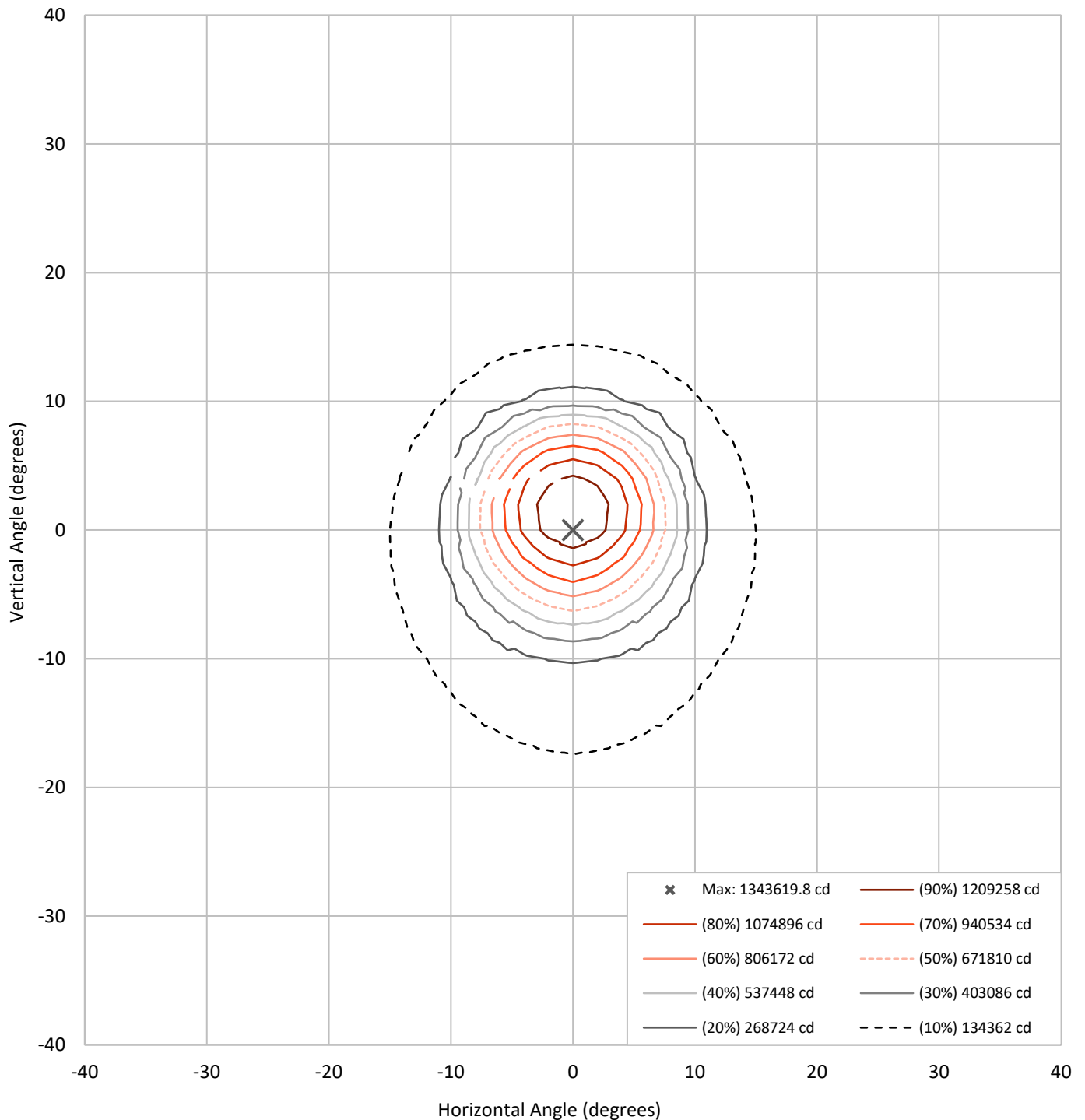
Test Method: LM-79-08
Report Number: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-54)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-70-3L-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 3L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	176031.6 lumens	Max Intensity:	1343619.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	15.2°H x 14.5°V	Field Angle (10%):	29.6°H x 31.5°V
Beam Lumens:	49080 lumens	Field Lumens:	97947.2 lumens
Beam Efficiency:	27.9%	Field Efficiency:	55.6%
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: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

Iso-Candela Plot





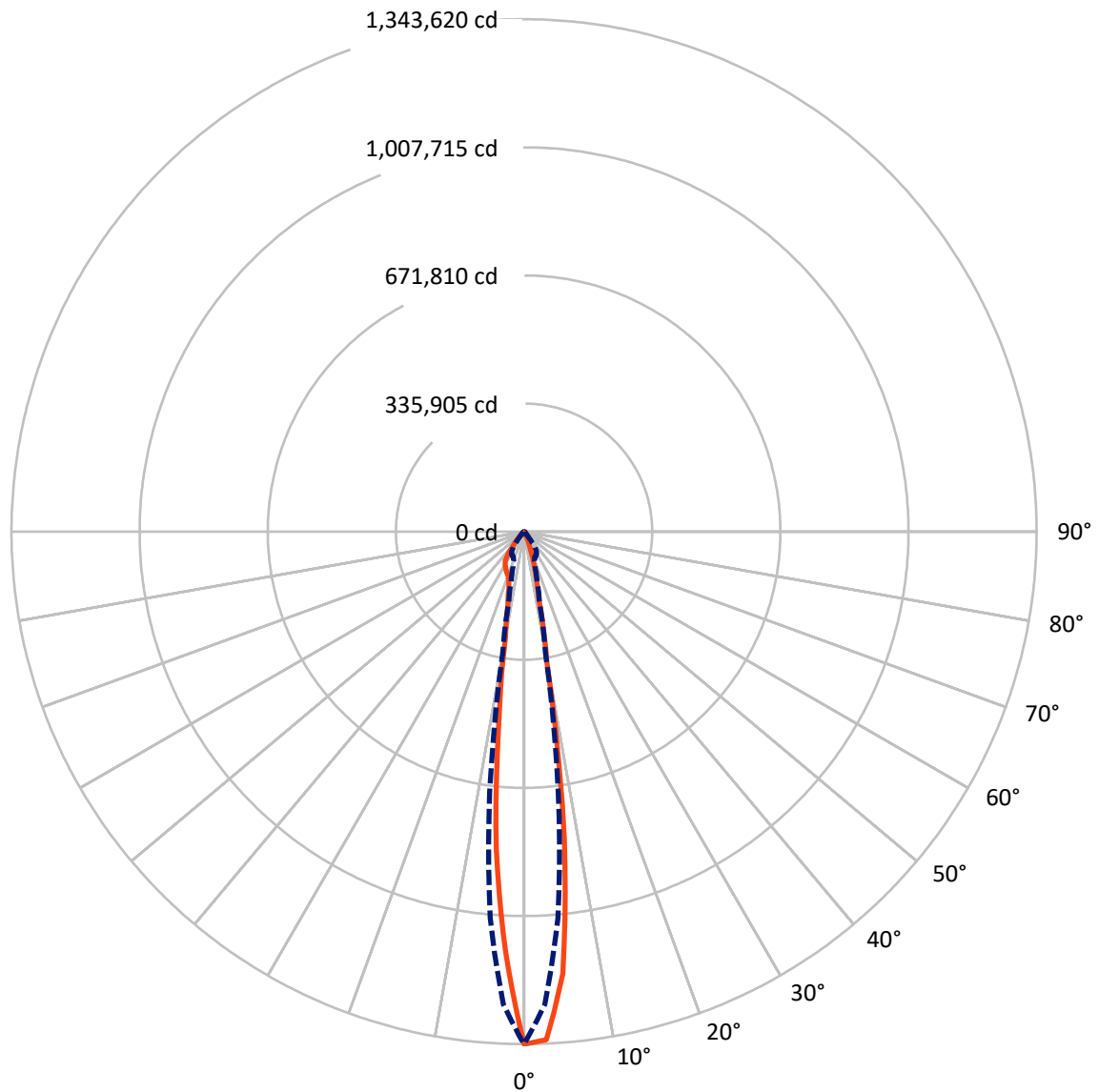
REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

Lumen Table

90	0.3	1.4		2.4		3.5		3.8		3.5		2.4		1.4		0.3
80	0.3	1.4		2.4		3.5		3.8		3.5		2.4		1.4		0.3
70	0.6	0.5	0.8	1.2	1.9	2.6	3.3	3.8	3.8	3.3	2.6	1.9	1.2	0.8	0.5	0.6
60		0.6	1.1	2.2	3.9	6.8	13.2	27.6	27.6	13.2	6.8	3.9	2.2	1.1	0.6	
50	0.8	0.8	1.9	4.8	10.2	17.3	25.2	36.7	36.7	25.2	17.3	10.2	4.8	1.9	0.8	0.8
40		1.0	3.7	9.9	19.1	30.7	48.5	68.1	68.1	48.5	30.7	19.1	9.9	3.7	1.0	
30	0.9	1.5	6.3	18.4	68.9	249.1	425.3	551.9	551.9	425.3	249.1	68.9	18.4	6.3	1.5	0.9
20		2.0	10.2	46.9	412.4	1107.6	1838.1	3593.0	3593.0	1838.1	1107.6	412.4	46.9	10.2	2.0	
10	1.0	2.3	15.9	116.1	927.4	1775.4	3761.6	21812.1	21812.1	3761.6	1775.4	927.4	116.1	15.9	2.3	1.0
0		2.6	21.1	175.2	1224.6	2142.3	4008.8	17520.8	17520.8	4008.8	2142.3	1224.6	175.2	21.1	2.6	
-10	1.0	2.6	18.5	154.0	1075.0	2431.8	3153.9	4614.4	4614.4	3153.9	2431.8	1075.0	154.0	18.5	2.6	1.0
-20		1.9	11.5	78.7	546.6	1970.5	2933.4	3278.7	3278.7	2933.4	1970.5	546.6	78.7	11.5	1.9	
-30	0.8	1.3	6.2	25.2	163.4	695.3	1529.9	2079.4	2079.4	1529.9	695.3	163.4	25.2	6.2	1.3	0.8
-40		0.8	3.1	8.5	29.7	127.4	302.9	442.8	442.8	302.9	127.4	29.7	8.5	3.1	0.8	
-50	0.6	0.6	1.4	3.7	7.0	13.4	29.2	43.3	43.3	29.2	13.4	7.0	3.7	1.4	0.6	0.6
-60		0.4	0.8	1.5	2.5	3.9	5.3	5.9	5.9	5.3	3.9	2.5	1.5	0.8	0.4	
-70	0.3	1.3		2.3		3.4		3.7		3.4		2.3		1.3		0.3
-80		1.3		2.3		3.4		3.7		3.4		2.3		1.3		
-90	0.3	1.3		2.3		3.4		3.7		3.4		2.3		1.3		0.3

REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

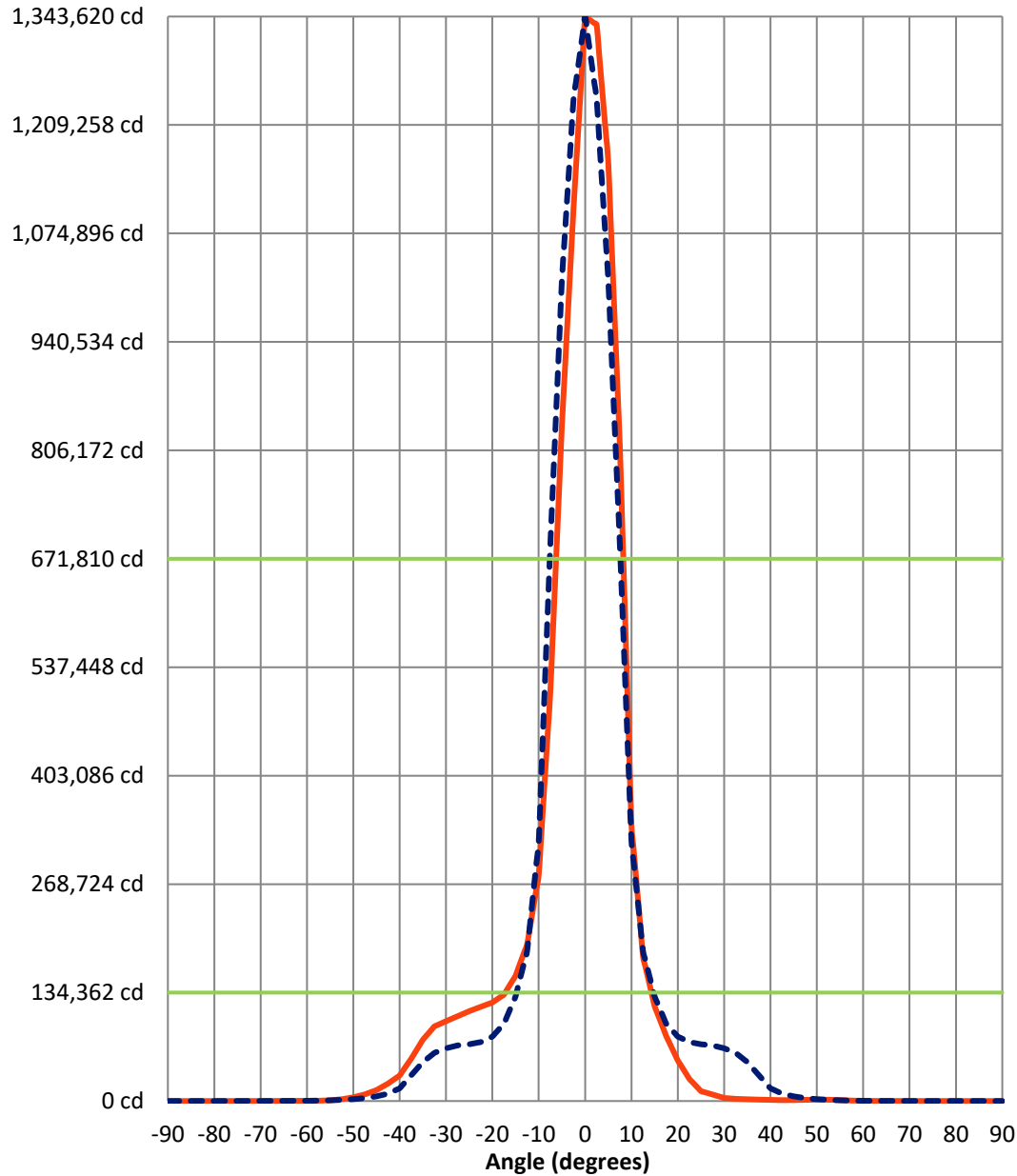
Luminous Intensity Polar Plot



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

REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

Luminous Intensity Plot



Beam:
 H Angle: 15.2°
 V Angle: 14.5°
 Lumens: 49080
 Efficiency: 27.9%

Field:
 H Angle: 29.6°
 V Angle: 31.5°
 Lumens: 97947.2
 Efficiency: 55.6%

Spill:
 Lumens: 78084.4
 Efficiency: 44.4%

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



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-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	0.9	1.8	2.6	3.5	4.4	5.3	6.1	6.9	7.8	8.6
85°	0.0	1.8	3.5	5.3	7.0	8.8	10.5	12.2	13.9	15.5	17.1
82.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.7	18.3	20.5	21.8	23.0
80°	0.0	3.5	7.0	10.5	14.0	17.5	20.6	22.3	24.0	25.6	27.2
77.5°	0.0	4.4	8.8	13.1	17.5	21.0	23.2	25.3	27.4	29.4	30.4
75°	0.0	5.3	10.5	15.7	20.6	23.2	25.7	28.2	30.4	30.4	30.4
72.5°	0.0	6.1	12.2	18.3	22.3	25.3	28.2	30.4	30.4	30.4	30.4
70°	0.0	6.9	13.9	20.5	24.0	27.4	30.4	30.4	30.4	30.5	33.7
67.5°	0.0	7.8	15.5	21.8	25.6	29.4	30.4	30.4	30.5	34.2	37.8
65°	0.0	8.6	17.1	23.0	27.2	30.4	30.4	30.4	33.7	37.8	40.6
62.5°	0.0	9.4	18.7	24.2	28.8	30.4	30.4	32.4	36.9	40.6	40.6
60°	0.0	10.1	20.3	25.3	30.3	30.4	30.4	35.1	40.0	40.6	40.6
57.5°	0.0	10.9	21.0	26.4	30.4	30.4	32.4	37.7	40.6	40.6	43.1
55°	0.0	11.6	21.8	27.5	30.4	30.4	34.6	40.3	40.6	41.3	46.8
52.5°	0.0	12.4	22.5	28.6	30.4	30.7	36.8	40.6	40.6	44.5	50.3
50°	0.0	13.0	23.2	29.6	30.4	32.4	38.9	40.6	41.4	47.6	52.3
47.5°	0.0	13.7	23.8	30.4	30.4	34.1	40.6	40.6	44.1	50.6	54.6
45°	0.0	14.4	24.5	30.4	30.4	35.7	40.6	40.6	46.6	53.2	57.2
42.5°	0.0	15.0	25.1	30.4	30.4	37.3	40.6	41.8	49.1	56.0	61.6
40°	0.0	15.5	25.7	30.4	31.0	38.7	40.6	43.9	51.5	59.0	65.7
37.5°	0.0	16.1	26.2	30.4	32.1	40.1	40.6	45.9	53.7	61.5	69.2
35°	0.0	16.6	26.7	30.4	33.2	40.6	40.6	47.7	55.8	63.9	73.1
32.5°	0.0	17.1	27.2	30.4	34.2	40.6	41.0	49.5	57.8	66.2	78.5
30°	0.0	17.6	27.7	30.4	35.1	40.6	42.4	51.1	59.7	68.4	84.0
27.5°	0.0	18.0	28.1	30.4	36.0	40.6	43.7	52.6	61.5	70.4	89.7
25°	0.0	18.4	28.5	30.4	36.7	40.6	44.9	54.0	63.1	74.0	95.6
22.5°	0.0	18.8	28.9	30.4	37.5	40.6	46.0	55.3	64.6	78.4	106.0
20°	0.0	19.1	29.2	30.4	38.1	40.6	47.0	56.4	65.9	82.8	115.5
17.5°	0.0	19.4	29.5	30.4	38.7	40.6	47.8	57.4	67.1	86.9	124.1
15°	0.0	19.6	29.7	30.4	39.2	40.6	48.6	58.3	68.1	90.8	131.8
12.5°	0.0	19.8	29.9	30.4	39.6	40.6	49.2	59.1	69.8	94.5	138.5
10°	0.0	20.0	30.1	30.4	40.0	40.6	49.8	59.7	72.1	97.3	144.5
7.5°	0.0	20.1	30.2	30.4	40.2	40.6	50.2	60.2	74.5	99.2	150.3
5°	0.0	20.2	30.3	30.4	40.4	40.6	50.5	60.5	76.9	100.5	155.2
2.5°	0.0	20.3	30.4	30.4	40.6	40.6	50.6	60.7	79.1	101.2	159.3
0°	0.0	20.3	30.4	30.4	40.6	40.6	50.7	60.8	81.1	101.4	162.2
-2.5°	0.0	20.3	30.4	30.4	40.6	40.6	50.6	60.7	80.9	103.3	168.6
-5°	0.0	20.2	30.3	30.4	40.4	40.6	50.5	60.5	80.5	104.7	173.5
-7.5°	0.0	20.1	30.2	30.4	40.2	40.6	50.2	60.2	79.7	105.5	176.6
-10°	0.0	20.0	30.1	30.4	40.0	40.6	49.8	59.7	78.5	105.6	177.5
-12.5°	0.0	19.8	29.9	30.4	39.6	40.6	49.2	59.1	77.1	104.7	172.8
-15°	0.0	19.6	29.7	30.4	39.2	40.6	48.6	58.3	75.3	101.7	164.4
-17.5°	0.0	19.4	29.5	30.4	38.7	40.6	47.8	57.4	73.3	98.2	154.3
-20°	0.0	19.1	29.2	30.4	38.1	40.6	47.0	56.4	70.9	94.2	142.2



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.8	28.9	30.4	37.5	40.6	46.0	55.3	68.3	89.7	128.2
-25°	0.0	18.4	28.5	30.4	36.7	40.4	44.9	54.0	65.3	84.7	112.2
-27.5°	0.0	18.0	28.1	30.4	36.0	40.1	43.7	52.6	62.1	79.8	105.6
-30°	0.0	17.6	27.7	30.4	35.1	39.7	42.4	51.1	59.7	75.9	99.0
-32.5°	0.0	17.1	27.2	30.4	34.0	39.2	41.0	49.5	57.8	71.6	91.8
-35°	0.0	16.6	26.7	30.4	33.0	38.5	40.2	47.7	55.8	67.0	84.2
-37.5°	0.0	16.1	26.2	30.4	31.9	37.5	39.5	45.9	53.7	62.2	77.8
-40°	0.0	15.5	25.7	30.4	30.9	36.1	38.5	43.9	51.5	59.0	72.1
-42.5°	0.0	15.0	25.1	30.4	30.4	34.8	37.4	41.8	49.1	56.3	66.1
-45°	0.0	14.4	24.5	30.4	30.4	33.6	36.0	39.9	46.6	53.5	60.3
-47.5°	0.0	13.7	23.8	30.4	30.4	32.5	34.5	38.0	44.1	50.6	57.1
-50°	0.0	13.0	23.2	29.6	30.4	31.5	33.3	35.9	41.4	47.6	53.8
-52.5°	0.0	12.4	22.5	28.6	30.4	30.5	32.3	33.4	38.6	44.5	50.3
-55°	0.0	11.6	21.8	27.5	30.4	30.4	31.5	30.9	35.8	41.3	46.8
-57.5°	0.0	10.9	21.0	26.4	30.4	30.4	30.9	30.5	32.8	38.0	43.1
-60°	0.0	10.1	20.3	25.3	30.3	30.4	30.4	30.4	30.4	34.6	39.4
-62.5°	0.0	9.4	18.7	24.2	28.8	30.4	30.4	30.4	30.4	31.1	35.5
-65°	0.0	8.6	17.1	23.0	27.2	30.4	30.4	30.3	30.4	30.4	31.6
-67.5°	0.0	7.8	15.5	21.8	25.6	29.4	30.4	30.0	30.4	30.4	30.4
-70°	0.0	6.9	13.9	20.5	24.0	27.4	30.4	29.4	29.2	30.4	30.4
-72.5°	0.0	6.1	12.2	18.3	22.3	25.3	28.2	28.8	27.7	28.0	29.7
-75°	0.0	5.3	10.5	15.7	20.6	23.2	25.7	26.7	26.1	25.4	25.8
-77.5°	0.0	4.4	8.8	13.1	17.5	21.0	23.2	24.2	24.1	23.0	21.8
-80°	0.0	3.5	7.0	10.5	14.0	17.5	20.6	21.8	22.2	21.8	20.5
-82.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.7	18.3	20.4	20.7	20.4
-85°	0.0	1.8	3.5	5.3	7.0	8.8	10.5	12.2	13.9	15.5	17.1
-87.5°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.1	6.9	7.8	8.6
-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: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-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°	9.4	10.1	10.9	11.6	12.4	13.0	13.7	14.4	15.0	15.5	16.1
85°	18.7	20.3	20.5	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
82.5°	23.3	22.9	22.0	20.5	20.3	20.3	20.5	21.5	21.9	21.9	21.3
80°	27.0	25.7	24.2	23.5	24.6	26.0	27.3	28.6	27.9	26.1	24.4
77.5°	29.0	28.1	28.1	29.0	30.4	30.4	30.4	30.4	29.8	29.6	30.1
75°	30.0	30.3	31.1	30.8	30.4	30.4	30.7	32.6	33.9	33.9	33.0
72.5°	32.1	33.3	33.1	31.7	32.6	35.1	37.4	39.7	39.7	39.3	40.8
70°	36.2	36.6	36.0	36.6	38.6	40.6	40.6	40.6	41.1	45.1	50.7
67.5°	40.0	38.8	39.2	40.8	40.6	40.6	40.6	45.6	51.9	57.6	61.5
65°	40.5	40.3	41.9	42.2	40.8	44.4	50.0	57.2	63.2	66.5	69.3
62.5°	40.6	43.3	44.8	44.8	46.3	51.3	59.2	65.8	70.6	76.8	83.1
60°	44.0	47.3	47.7	48.6	52.5	61.3	69.3	75.5	83.2	91.5	98.3
57.5°	48.1	50.0	49.8	54.4	63.6	71.8	77.6	85.3	96.5	105.9	114.1
55°	51.0	50.6	54.4	64.6	72.8	77.6	86.4	100.3	111.7	124.8	135.2
52.5°	52.1	52.9	63.6	72.8	78.1	87.9	103.1	118.9	134.6	148.8	163.4
50°	53.7	61.4	71.8	77.6	88.6	106.0	123.5	142.5	163.2	181.2	204.1
47.5°	59.1	69.1	76.2	85.7	106.8	127.8	148.3	174.7	198.6	229.8	263.1
45°	65.2	74.7	81.1	103.5	127.5	152.5	182.4	212.1	246.7	286.2	339.3
42.5°	70.4	80.0	97.0	121.7	151.5	184.1	219.6	257.3	298.6	355.6	424.1
40°	75.8	86.2	115.2	145.2	178.1	219.7	264.0	307.7	360.4	435.7	518.1
37.5°	81.5	103.0	134.5	169.1	211.5	260.1	310.6	370.8	440.5	522.1	611.3
35°	87.6	119.7	156.5	198.1	247.1	304.9	368.7	441.7	533.3	616.7	699.5
32.5°	99.1	136.3	178.4	231.4	290.0	354.1	427.1	531.0	628.9	716.3	776.7
30°	113.4	155.5	202.6	265.2	333.0	412.2	506.5	621.0	723.8	808.7	873.0
27.5°	126.8	174.4	232.6	302.2	377.8	472.8	600.0	710.8	815.4	910.2	990.5
25°	139.3	192.7	262.4	339.4	432.6	552.2	699.3	833.2	918.1	1037.1	1256.5
22.5°	152.7	211.0	289.4	375.2	488.2	638.7	816.3	989.3	1131.1	1228.5	1644.1
20°	167.2	233.6	317.3	415.5	546.1	725.4	946.2	1179.3	1423.1	1847.5	2842.5
17.5°	181.2	254.3	347.2	468.6	633.3	842.8	1091.7	1398.0	1773.3	2630.9	4889.2
15°	194.4	272.9	377.0	523.2	731.2	1011.2	1351.9	1732.5	2340.5	3830.4	7367.9
12.5°	206.8	289.5	406.1	578.0	833.9	1196.2	1668.7	2296.9	3342.1	5877.6	12210.3
10°	218.1	304.0	433.8	631.8	938.3	1391.0	2013.7	2943.5	4526.4	8141.6	17074.3
7.5°	225.2	314.2	460.3	683.0	1041.1	1588.7	2373.1	3641.1	5744.8	10282.8	21747.6
5°	229.7	319.9	489.1	757.9	1183.5	1819.1	2753.2	4355.3	6951.6	12251.7	26059.1
2.5°	232.4	323.4	515.4	833.7	1348.1	2096.2	3208.1	5128.9	8101.6	14116.2	29521.5
0°	233.2	324.5	537.4	902.5	1500.7	2352.5	3630.1	5840.6	9136.1	15767.7	31930.8
-2.5°	248.1	361.1	582.8	953.6	1579.6	2514.0	3936.0	6394.9	10276.7	17623.0	33759.8
-5°	260.9	393.8	621.5	993.1	1635.5	2634.8	4172.7	6818.2	11113.5	18809.3	34290.4
-7.5°	270.9	420.9	653.0	1013.8	1642.5	2653.4	4231.5	6907.7	11341.7	19025.4	33470.7
-10°	276.5	426.3	637.8	977.5	1585.0	2585.4	4172.2	6821.0	11233.1	18665.0	31739.1
-12.5°	271.1	413.4	610.3	928.2	1499.3	2460.7	4005.1	6539.7	10744.9	17677.8	28962.3
-15°	262.2	397.4	578.6	865.7	1384.0	2274.8	3720.1	6047.7	9743.8	15582.1	24444.5
-17.5°	249.5	378.4	543.3	789.5	1238.2	2024.3	3280.8	5222.2	8464.4	13672.7	21494.2
-20°	232.8	356.8	504.9	699.7	1076.5	1742.1	2818.4	4543.5	7334.5	11718.5	18174.5



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	211.8	332.6	469.0	640.8	939.3	1470.3	2350.5	3753.0	5975.9	9409.4	14952.4
-25°	190.9	308.0	437.6	575.5	795.9	1182.0	1842.3	2909.0	4762.1	7739.3	12193.8
-27.5°	171.8	278.0	393.6	510.4	655.4	918.5	1454.0	2322.4	3717.9	5882.8	9246.3
-30°	150.4	239.3	349.0	449.4	568.2	763.2	1110.8	1703.7	2688.4	4435.8	7034.2
-32.5°	126.8	200.7	304.1	399.1	497.0	615.7	815.2	1272.5	1985.5	3045.4	4934.2
-35°	108.2	172.8	259.1	349.2	429.4	520.4	666.1	906.9	1338.8	2126.4	3404.3
-37.5°	99.2	143.3	214.2	299.9	375.7	450.2	521.4	682.1	954.1	1355.4	2302.0
-40°	89.8	112.3	177.4	251.3	325.7	389.3	451.2	521.6	665.4	977.7	1418.2
-42.5°	80.3	100.9	142.1	202.9	274.0	339.1	387.4	434.7	503.0	655.9	959.1
-45°	73.4	89.7	109.4	162.7	218.6	286.7	339.2	374.1	411.7	465.2	613.6
-47.5°	66.3	79.0	96.9	123.9	171.5	224.1	288.6	330.4	356.7	383.3	401.3
-50°	59.9	70.9	84.6	104.3	133.1	171.0	218.4	279.0	316.9	335.5	350.9
-52.5°	56.1	62.6	74.9	90.5	108.9	134.2	164.4	203.2	257.8	301.1	314.5
-55°	52.1	57.4	64.9	78.0	93.7	110.7	128.7	153.9	176.5	224.9	269.9
-57.5°	48.1	53.1	57.9	65.5	78.9	93.8	106.9	119.6	139.5	158.3	183.1
-60°	44.0	48.6	53.1	57.4	63.4	76.5	88.5	99.9	111.1	122.1	139.4
-62.5°	39.8	44.0	48.1	52.1	56.1	61.4	72.1	82.3	90.5	100.0	109.4
-65°	35.5	39.4	43.1	46.8	50.3	54.5	60.2	67.3	76.1	82.3	88.0
-67.5°	31.1	34.6	38.0	41.3	44.3	46.8	50.6	55.7	62.0	67.3	72.4
-70°	30.4	30.4	32.8	35.8	38.0	38.4	40.2	43.3	47.6	52.2	56.7
-72.5°	30.4	30.4	30.4	30.4	32.4	33.4	33.1	31.7	33.9	39.6	44.0
-75°	27.8	30.1	30.4	30.4	29.8	29.7	30.5	30.6	31.0	32.8	35.3
-77.5°	23.3	25.2	27.1	28.9	28.6	26.9	26.0	25.9	27.1	28.6	29.9
-80°	20.3	20.3	21.7	23.2	23.7	23.4	22.4	20.7	20.3	20.9	22.0
-82.5°	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.3	20.3	20.3	20.3
-85°	18.7	20.3	20.3	20.3	20.3	20.3	20.3	20.3	19.0	18.0	17.2
-87.5°	9.4	10.1	10.9	11.6	12.4	13.0	13.7	14.4	13.1	11.7	10.1
-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: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-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°	16.6	15.0	13.2	11.2	9.2	9.3	9.5	9.6	9.8	7.4	5.0
85°	20.3	19.5	19.0	18.6	18.4	16.6	14.6	12.5	10.2	10.0	9.9
82.5°	20.4	20.3	20.3	20.3	20.3	19.8	19.4	19.3	19.3	19.6	19.8
80°	23.3	24.0	24.9	25.8	26.6	27.3	27.9	28.5	29.0	29.4	29.8
77.5°	30.5	30.8	31.8	33.4	35.5	36.7	37.5	38.2	38.8	39.4	39.8
75°	31.3	32.8	37.5	41.4	44.5	46.0	47.0	47.8	48.6	49.2	49.8
72.5°	44.2	48.4	51.1	52.6	54.0	55.3	56.4	57.4	58.3	59.1	59.7
70°	55.0	57.8	59.7	61.5	63.1	65.0	67.8	71.1	74.7	77.1	78.5
67.5°	63.9	66.2	68.4	70.4	73.4	77.3	81.7	85.1	87.6	90.2	93.5
65°	73.1	78.2	82.9	87.4	91.5	95.2	98.6	101.6	104.2	106.7	108.9
62.5°	89.1	94.7	100.0	104.9	109.4	114.6	120.2	125.3	129.7	134.1	139.6
60°	104.9	111.0	117.2	124.4	132.6	141.6	151.4	161.9	173.1	184.5	194.1
57.5°	122.7	128.9	136.2	150.8	164.6	177.5	198.8	229.3	262.6	299.6	364.5
55°	145.9	157.9	169.1	194.5	223.5	252.2	288.2	350.1	419.6	494.2	654.7
52.5°	177.5	205.1	232.4	266.1	314.3	362.8	415.6	507.6	605.1	705.7	909.0
50°	237.4	273.6	319.0	366.7	425.2	485.1	544.6	645.6	746.3	844.5	1028.7
47.5°	311.9	362.9	418.8	471.1	536.3	595.4	647.2	727.3	813.6	887.6	1006.5
45°	397.6	464.7	525.1	579.3	637.9	688.4	728.0	773.4	838.6	883.1	934.5
42.5°	498.4	565.4	627.6	679.0	725.5	770.9	808.4	840.1	888.7	934.0	973.8
40°	594.4	659.7	715.5	766.8	811.0	855.0	917.1	970.5	1028.7	1107.8	1185.8
37.5°	685.8	743.1	795.4	846.3	913.6	989.7	1063.7	1150.7	1249.4	1391.8	1534.7
35°	766.9	821.3	871.8	944.3	1034.2	1124.1	1235.8	1399.2	1554.1	1730.7	1908.5
32.5°	839.6	902.9	974.9	1066.9	1182.5	1399.0	1497.8	1726.9	1864.9	2086.8	2338.2
30°	914.4	1020.7	1253.8	1391.2	1689.0	2097.7	2143.9	2379.1	2671.0	2862.2	3408.7
27.5°	1117.8	1405.6	1943.6	2923.5	3125.1	3713.7	4396.9	4103.4	5399.6	5212.9	7052.3
25°	1663.9	2308.6	4399.8	6291.4	7162.3	7913.9	9598.3	10114.0	12449.4	13925.3	14314.8
22.5°	2917.5	5721.1	8748.5	11418.7	13883.5	15896.5	18065.4	21265.1	22700.4	23426.1	24057.2
20°	5253.6	10380.7	14997.9	18825.2	22348.3	25721.7	29699.8	32073.9	33580.2	36690.6	39902.2
17.5°	10195.2	16485.7	22143.0	26941.6	31582.8	36824.8	40157.4	42857.3	46939.8	52508.3	58850.1
15°	15938.0	23367.0	29656.8	35440.5	41348.0	46434.3	49673.9	53858.6	60445.7	69066.9	79907.6
12.5°	22006.8	30236.9	37026.5	43439.5	50711.4	54168.5	57844.5	63958.4	73129.3	85585.9	107701.2
10°	27996.0	36700.4	43955.6	50795.5	56702.8	60220.3	64402.2	71656.1	85955.6	109008.5	141477.8
7.5°	33888.7	43136.8	50388.5	56990.0	61356.4	64471.6	69758.9	80128.1	99995.3	131887.3	182095.2
5°	39542.4	49223.2	56097.1	61774.1	64812.7	67789.4	73840.7	87200.4	114533.0	158065.6	244090.8
2.5°	44453.8	54779.0	61066.9	65634.4	67657.4	70500.3	77242.4	92387.9	124500.9	178819.5	314313.8
0°	48235.9	59643.4	65321.8	68911.4	70351.3	73089.1	79923.4	95792.5	129670.2	185845.8	321965.0
-2.5°	50986.4	63527.0	69089.1	72192.7	73485.8	75808.2	82229.8	96775.2	128507.7	181571.1	299694.3
-5°	52191.7	65915.0	72345.5	75601.4	77130.0	79168.6	84570.9	97267.6	123429.2	164304.6	239286.6
-7.5°	51764.1	67027.6	75163.6	78900.3	80790.2	82808.5	87158.0	96662.7	115303.9	145001.3	191354.2
-10°	49785.0	66950.0	77391.2	81936.0	84653.5	86733.7	89669.9	95320.6	107304.5	128837.0	155955.3
-12.5°	46189.4	65226.9	79026.1	84535.0	88049.6	90557.3	93315.1	97504.5	104207.0	114366.0	134078.3
-15°	41417.2	61101.0	77067.5	85619.7	90271.9	93999.9	97019.8	99703.5	104112.6	110439.4	119299.4
-17.5°	35628.8	54453.1	72499.9	85719.1	91579.6	96033.8	99338.9	102521.8	105299.0	109463.8	113580.4
-20°	28158.3	46192.8	65525.4	80847.1	90557.0	96054.1	100390.9	103504.5	106359.5	109007.6	111759.9



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	23094.8	37131.1	55063.7	73681.6	85736.4	93668.4	99039.7	102396.4	105557.8	107493.9	109619.5
-25°	18553.2	27533.5	43643.2	60642.9	76625.1	87703.2	94850.6	99402.2	102232.0	104480.4	106084.0
-27.5°	14506.7	21873.1	31761.8	47270.1	62675.9	76243.9	85887.0	94262.9	97200.1	99982.6	101413.6
-30°	10586.2	16364.9	24232.0	33807.5	47066.7	59351.8	71138.6	80518.9	87862.8	93266.7	95309.0
-32.5°	7801.9	11511.5	17444.0	24747.7	31778.2	42436.7	52659.7	62288.7	71146.7	78410.0	83580.8
-35°	5321.7	8085.1	11400.3	16962.6	22458.3	28458.1	34970.2	43274.6	50245.5	58224.3	65068.5
-37.5°	3597.7	5384.0	7910.4	10923.1	15268.8	19352.6	23795.2	28208.0	32293.0	38738.9	44418.6
-40°	2348.0	3472.2	5242.1	7308.6	10090.9	12711.6	16009.6	18826.2	21787.9	25282.4	28272.7
-42.5°	1395.6	2220.7	3229.5	4726.0	6402.6	8230.9	10383.9	12405.0	14415.7	16515.1	18386.8
-45°	849.7	1300.8	1889.4	2828.3	3759.0	5057.0	6335.5	7509.3	9027.8	10369.3	11461.2
-47.5°	543.2	708.7	1075.8	1534.4	2080.7	2870.8	3641.6	4422.7	5380.7	6236.0	6917.5
-50°	378.1	446.9	597.2	750.3	1079.9	1463.9	1834.5	2314.1	2892.3	3418.1	3832.9
-52.5°	325.9	350.4	380.5	437.1	571.8	705.3	836.4	1108.1	1384.8	1632.8	1827.7
-55°	293.5	302.8	311.2	336.8	368.3	400.6	446.8	550.4	650.1	744.2	812.2
-57.5°	221.8	254.6	277.0	287.3	298.3	309.6	331.9	358.8	381.9	400.9	412.1
-60°	155.7	171.2	199.7	226.0	247.5	264.4	278.7	293.6	307.4	317.5	317.3
-62.5°	118.4	130.2	145.4	160.4	174.4	190.6	209.2	227.1	244.1	256.5	260.5
-65°	94.4	102.0	110.6	120.0	130.0	141.7	151.2	160.6	169.6	176.4	179.4
-67.5°	77.2	81.8	86.1	90.0	95.8	102.7	108.7	114.1	118.7	122.7	126.0
-70°	61.0	65.0	68.8	72.3	75.5	78.5	81.1	83.5	85.5	87.3	88.7
-72.5°	47.3	49.5	51.5	54.5	57.3	59.9	62.2	64.2	66.0	67.5	68.8
-75°	38.7	41.0	42.4	43.7	44.9	46.0	47.0	47.8	48.6	49.2	49.8
-77.5°	31.2	31.0	30.7	30.8	31.2	32.8	34.4	35.8	37.1	38.2	39.0
-80°	23.0	23.2	22.8	21.9	20.5	19.6	19.1	18.9	18.9	19.3	19.7
-82.5°	20.3	19.2	18.3	17.8	17.5	16.1	14.4	12.4	10.2	9.9	9.9
-85°	16.6	15.4	13.9	12.1	10.2	10.1	10.1	10.1	10.1	7.6	5.1
-87.5°	8.3	8.5	8.7	9.0	9.2	9.3	9.5	9.6	9.8	7.4	5.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-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°	2.5	0.0	0.0	0.0	0.0	0.0	2.5	5.0	7.4	9.8	9.6
85°	10.0	10.0	10.1	10.1	10.1	10.0	10.0	9.9	10.0	10.2	12.5
82.5°	20.0	20.2	20.3	20.3	20.3	20.2	20.0	19.8	19.6	19.3	19.3
80°	30.1	30.2	30.4	30.4	30.4	30.2	30.1	29.8	29.4	29.0	28.5
77.5°	40.2	40.4	40.6	40.6	40.6	40.4	40.2	39.8	39.4	38.8	38.2
75°	50.2	50.5	50.6	50.7	50.6	50.5	50.2	49.8	49.2	48.6	47.8
72.5°	60.2	60.5	60.7	60.8	60.7	60.5	60.2	59.7	59.1	58.3	57.4
70°	79.7	80.5	80.9	81.1	80.9	80.5	79.7	78.5	77.1	74.7	71.1
67.5°	96.9	100.3	101.2	101.4	101.2	100.3	96.9	93.5	90.2	87.6	85.1
65°	110.3	111.1	111.4	111.5	111.4	111.1	110.3	108.9	106.7	104.2	101.6
62.5°	144.8	149.6	151.6	152.1	151.6	149.6	144.8	139.6	134.1	129.7	125.3
60°	202.3	209.1	216.4	223.1	216.4	209.1	202.3	194.1	184.5	173.1	161.9
57.5°	436.6	511.3	571.5	618.5	571.5	511.3	436.6	364.5	299.6	262.6	229.3
55°	833.1	1016.7	1147.8	1237.1	1147.8	1016.7	833.1	654.7	494.2	419.6	350.1
52.5°	1143.1	1378.4	1532.9	1622.4	1532.9	1378.4	1143.1	909.0	705.7	605.1	507.6
50°	1261.0	1491.0	1635.5	1703.5	1635.5	1491.0	1261.0	1028.7	844.5	746.3	645.6
47.5°	1172.8	1328.4	1439.2	1510.9	1439.2	1328.4	1172.8	1006.5	887.6	813.6	727.3
45°	1023.2	1097.1	1143.8	1166.1	1143.8	1097.1	1023.2	934.5	883.1	838.6	773.4
42.5°	1039.5	1089.3	1115.9	1115.4	1115.9	1089.3	1039.5	973.8	934.0	888.7	840.1
40°	1282.5	1370.9	1433.7	1450.0	1433.7	1370.9	1282.5	1185.8	1107.8	1028.7	970.5
37.5°	1655.5	1741.7	1792.8	1794.8	1792.8	1741.7	1655.5	1534.7	1391.8	1249.4	1150.7
35°	2055.8	2160.3	2233.4	2220.7	2233.4	2160.3	2055.8	1908.5	1730.7	1554.1	1399.2
32.5°	2499.8	2623.4	2711.3	2727.7	2711.3	2623.4	2499.8	2338.2	2086.8	1864.9	1726.9
30°	3631.1	3826.8	3878.9	3863.3	3878.9	3826.8	3631.1	3408.7	2862.2	2671.0	2379.1
27.5°	7813.0	8169.2	8014.4	8081.6	8014.4	8169.2	7813.0	7052.3	5212.9	5399.6	4103.4
25°	14145.4	13558.9	12819.8	12269.4	12819.8	13558.9	14145.4	14314.8	13925.3	12449.4	10114.0
22.5°	25849.3	26710.9	27372.6	27428.7	27372.6	26710.9	25849.3	24057.2	23426.1	22700.4	21265.1
20°	44108.6	47083.5	49234.9	50294.4	49234.9	47083.5	44108.6	39902.2	36690.6	33580.2	32073.9
17.5°	66622.9	73527.4	77818.1	80582.5	77818.1	73527.4	66622.9	58850.1	52508.3	46939.8	42857.3
15°	94374.6	108415.0	116383.5	117542.8	116383.5	108415.0	94374.6	79907.6	69066.9	60445.7	53858.6
12.5°	130248.0	154646.1	173394.5	179178.7	173394.5	154646.1	130248.0	107701.2	85585.9	73129.3	63958.4
10°	182493.8	241810.0	324360.2	343228.6	324360.2	241810.0	182493.8	141477.8	109008.5	85955.6	71656.1
7.5°	298549.5	519944.6	754561.6	811782.4	754561.6	519944.6	298549.5	182095.2	131887.3	99995.3	80128.1
5°	499297.0	909998.0	#####	#####	#####	909998.0	499297.0	244090.8	158065.6	114533.0	87200.4
2.5°	684581.2	#####	#####	#####	#####	#####	684581.2	314313.8	178819.5	124500.9	92387.9
0°	689189.9	#####	#####	#####	#####	#####	689189.9	321965.0	185845.8	129670.2	95792.5
-2.5°	563508.8	852142.0	#####	#####	#####	852142.0	563508.8	299694.3	181571.1	128507.7	96775.2
-5°	379545.6	601541.0	765515.5	836620.3	765515.5	601541.0	379545.6	239286.6	164304.6	123429.2	97267.6
-7.5°	262167.2	362998.0	475406.9	506376.0	475406.9	362998.0	262167.2	191354.2	145001.3	115303.9	96662.7
-10°	193317.9	231481.6	271119.2	280005.7	271119.2	231481.6	193317.9	155955.3	128837.0	107304.5	95320.6
-12.5°	153573.3	174263.2	191687.9	194358.3	191687.9	174263.2	153573.3	134078.3	114366.0	104207.0	97504.5
-15°	131499.2	143102.8	150781.6	155223.0	150781.6	143102.8	131499.2	119299.4	110439.4	104112.6	99703.5
-17.5°	119997.7	125318.2	129017.9	131830.0	129017.9	125318.2	119997.7	113580.4	109463.8	105299.0	102521.8
-20°	114785.9	117530.4	120181.9	122115.9	120181.9	117530.4	114785.9	111759.9	109007.6	106359.5	103504.5



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	111404.7	113295.0	114945.7	116782.3	114945.7	113295.0	111404.7	109619.5	107493.9	105557.8	102396.4
-25°	107392.3	108815.1	110060.1	111306.7	110060.1	108815.1	107392.3	106084.0	104480.4	102232.0	99402.2
-27.5°	102464.7	103464.6	104198.5	105080.7	104198.5	103464.6	102464.7	101413.6	99982.6	97200.1	94262.9
-30°	96757.3	97732.4	98202.8	98935.9	98202.8	97732.4	96757.3	95309.0	93266.7	87862.8	80518.9
-32.5°	87283.6	89642.8	91116.1	92456.4	91116.1	89642.8	87283.6	83580.8	78410.0	71146.7	62288.7
-35°	69784.2	72505.5	74165.0	75908.0	74165.0	72505.5	69784.2	65068.5	58224.3	50245.5	43274.6
-37.5°	48145.3	50159.2	51269.5	52535.3	51269.5	50159.2	48145.3	44418.6	38738.9	32293.0	28208.0
-40°	30125.0	31304.9	31852.1	31717.9	31852.1	31304.9	30125.0	28272.7	25282.4	21787.9	18826.2
-42.5°	19649.7	20463.8	21065.5	21689.4	21065.5	20463.8	19649.7	18386.8	16515.1	14415.7	12405.0
-45°	12361.6	13073.5	13497.1	13567.3	13497.1	13073.5	12361.6	11461.2	10369.3	9027.8	7509.3
-47.5°	7398.7	7743.2	8035.0	8284.4	8035.0	7743.2	7398.7	6917.5	6236.0	5380.7	4422.7
-50°	4135.9	4351.4	4528.6	4664.4	4528.6	4351.4	4135.9	3832.9	3418.1	2892.3	2314.1
-52.5°	1982.5	2100.0	2195.1	2261.2	2195.1	2100.0	1982.5	1827.7	1632.8	1384.8	1108.1
-55°	864.8	902.6	933.0	953.2	933.0	902.6	864.8	812.2	744.2	650.1	550.4
-57.5°	421.8	429.3	426.2	415.7	426.2	429.3	421.8	412.1	400.9	381.9	358.8
-60°	316.0	313.3	313.7	314.3	313.7	313.3	316.0	317.3	317.5	307.4	293.6
-62.5°	262.0	261.2	262.7	263.6	262.7	261.2	262.0	260.5	256.5	244.1	227.1
-65°	180.9	180.9	182.0	182.5	182.0	180.9	180.9	179.4	176.4	169.6	160.6
-67.5°	128.5	130.3	131.5	131.8	131.5	130.3	128.5	126.0	122.7	118.7	114.1
-70°	89.9	90.7	95.8	101.4	95.8	90.7	89.9	88.7	87.3	85.5	83.5
-72.5°	69.7	70.4	70.9	71.0	70.9	70.4	69.7	68.8	67.5	66.0	64.2
-75°	50.2	50.5	50.6	50.7	50.6	50.5	50.2	49.8	49.2	48.6	47.8
-77.5°	39.7	40.2	40.5	40.6	40.5	40.2	39.7	39.0	38.2	37.1	35.8
-80°	19.9	20.1	25.2	30.4	25.2	20.1	19.9	19.7	19.3	18.9	18.9
-82.5°	9.9	10.0	10.1	10.1	10.1	10.0	9.9	9.9	9.9	10.2	12.4
-85°	2.6	0.0	0.0	0.0	0.0	0.0	2.6	5.1	7.6	10.1	10.1
-87.5°	2.5	0.0	0.0	0.0	0.0	0.0	2.5	5.0	7.4	9.8	9.6
-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: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.5	9.3	9.2	11.2	13.2	15.0	16.6	16.1	15.5	15.0	14.4
85°	14.6	16.6	18.4	18.6	19.0	19.5	20.3	20.3	20.3	20.3	20.3
82.5°	19.4	19.8	20.3	20.3	20.3	20.3	20.4	21.3	21.9	21.9	21.5
80°	27.9	27.3	26.6	25.8	24.9	24.0	23.3	24.4	26.1	27.9	28.6
77.5°	37.5	36.7	35.5	33.4	31.8	30.8	30.5	30.1	29.6	29.8	30.4
75°	47.0	46.0	44.5	41.4	37.5	32.8	31.3	33.0	33.9	33.9	32.6
72.5°	56.4	55.3	54.0	52.6	51.1	48.4	44.2	40.8	39.3	39.7	39.7
70°	67.8	65.0	63.1	61.5	59.7	57.8	55.0	50.7	45.1	41.1	40.6
67.5°	81.7	77.3	73.4	70.4	68.4	66.2	63.9	61.5	57.6	51.9	45.6
65°	98.6	95.2	91.5	87.4	82.9	78.2	73.1	69.3	66.5	63.2	57.2
62.5°	120.2	114.6	109.4	104.9	100.0	94.7	89.1	83.1	76.8	70.6	65.8
60°	151.4	141.6	132.6	124.4	117.2	111.0	104.9	98.3	91.5	83.2	75.5
57.5°	198.8	177.5	164.6	150.8	136.2	128.9	122.7	114.1	105.9	96.5	85.3
55°	288.2	252.2	223.5	194.5	169.1	157.9	145.9	135.2	124.8	111.7	100.3
52.5°	415.6	362.8	314.3	266.1	232.4	205.1	177.5	163.4	148.8	134.6	118.9
50°	544.6	485.1	425.2	366.7	319.0	273.6	237.4	204.1	181.2	163.2	142.5
47.5°	647.2	595.4	536.3	471.1	418.8	362.9	311.9	263.1	229.8	198.6	174.7
45°	728.0	688.4	637.9	579.3	525.1	464.7	397.6	339.3	286.2	246.7	212.1
42.5°	808.4	770.9	725.5	679.0	627.6	565.4	498.4	424.1	355.6	298.6	257.3
40°	917.1	855.0	811.0	766.8	715.5	659.7	594.4	518.1	435.7	360.4	307.7
37.5°	1063.7	989.7	913.6	846.3	795.4	743.1	685.8	611.3	522.1	440.5	370.8
35°	1235.8	1124.1	1034.2	944.3	871.8	821.3	766.9	699.5	616.7	533.3	441.7
32.5°	1497.8	1399.0	1182.5	1066.9	974.9	902.9	839.6	776.7	716.3	628.9	531.0
30°	2143.9	2097.7	1689.0	1391.2	1253.8	1020.7	914.4	873.0	808.7	723.8	621.0
27.5°	4396.9	3713.7	3125.1	2923.5	1943.6	1405.6	1117.8	990.5	910.2	815.4	710.8
25°	9598.3	7913.9	7162.3	6291.4	4399.8	2308.6	1663.9	1256.5	1037.1	918.1	833.2
22.5°	18065.4	15896.5	13883.5	11418.7	8748.5	5721.1	2917.5	1644.1	1228.5	1131.1	989.3
20°	29699.8	25721.7	22348.3	18825.2	14997.9	10380.7	5253.6	2842.5	1847.5	1423.1	1179.3
17.5°	40157.4	36824.8	31582.8	26941.6	22143.0	16485.7	10195.2	4889.2	2630.9	1773.3	1398.0
15°	49673.9	46434.3	41348.0	35440.5	29656.8	23367.0	15938.0	7367.9	3830.4	2340.5	1732.5
12.5°	57844.5	54168.5	50711.4	43439.5	37026.5	30236.9	22006.8	12210.3	5877.6	3342.1	2296.9
10°	64402.2	60220.3	56702.8	50795.5	43955.6	36700.4	27996.0	17074.3	8141.6	4526.4	2943.5
7.5°	69758.9	64471.6	61356.4	56990.0	50388.5	43136.8	33888.7	21747.6	10282.8	5744.8	3641.1
5°	73840.7	67789.4	64812.7	61774.1	56097.1	49223.2	39542.4	26059.1	12251.7	6951.6	4355.3
2.5°	77242.4	70500.3	67657.4	65634.4	61066.9	54779.0	44453.8	29521.5	14116.2	8101.6	5128.9
0°	79923.4	73089.1	70351.3	68911.4	65321.8	59643.4	48235.9	31930.8	15767.7	9136.1	5840.6
-2.5°	82229.8	75808.2	73485.8	72192.7	69089.1	63527.0	50986.4	33759.8	17623.0	10276.7	6394.9
-5°	84570.9	79168.6	77130.0	75601.4	72345.5	65915.0	52191.7	34290.4	18809.3	11113.5	6818.2
-7.5°	87158.0	82808.5	80790.2	78900.3	75163.6	67027.6	51764.1	33470.7	19025.4	11341.7	6907.7
-10°	89669.9	86733.7	84653.5	81936.0	77391.2	66950.0	49785.0	31739.1	18665.0	11233.1	6821.0
-12.5°	93315.1	90557.3	88049.6	84535.0	79026.1	65226.9	46189.4	28962.3	17677.8	10744.9	6539.7
-15°	97019.8	93999.9	90271.9	85619.7	77067.5	61101.0	41417.2	24444.5	15582.1	9743.8	6047.7
-17.5°	99338.9	96033.8	91579.6	85719.1	72499.9	54453.1	35628.8	21494.2	13672.7	8464.4	5222.2
-20°	100390.9	96054.1	90557.0	80847.1	65525.4	46192.8	28158.3	18174.5	11718.5	7334.5	4543.5



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	99039.7	93668.4	85736.4	73681.6	55063.7	37131.1	23094.8	14952.4	9409.4	5975.9	3753.0
-25°	94850.6	87703.2	76625.1	60642.9	43643.2	27533.5	18553.2	12193.8	7739.3	4762.1	2909.0
-27.5°	85887.0	76243.9	62675.9	47270.1	31761.8	21873.1	14506.7	9246.3	5882.8	3717.9	2322.4
-30°	71138.6	59351.8	47066.7	33807.5	24232.0	16364.9	10586.2	7034.2	4435.8	2688.4	1703.7
-32.5°	52659.7	42436.7	31778.2	24747.7	17444.0	11511.5	7801.9	4934.2	3045.4	1985.5	1272.5
-35°	34970.2	28458.1	22458.3	16962.6	11400.3	8085.1	5321.7	3404.3	2126.4	1338.8	906.9
-37.5°	23795.2	19352.6	15268.8	10923.1	7910.4	5384.0	3597.7	2302.0	1355.4	954.1	682.1
-40°	16009.6	12711.6	10090.9	7308.6	5242.1	3472.2	2348.0	1418.2	977.7	665.4	521.6
-42.5°	10383.9	8230.9	6402.6	4726.0	3229.5	2220.7	1395.6	959.1	655.9	503.0	434.7
-45°	6335.5	5057.0	3759.0	2828.3	1889.4	1300.8	849.7	613.6	465.2	411.7	374.1
-47.5°	3641.6	2870.8	2080.7	1534.4	1075.8	708.7	543.2	401.3	383.3	356.7	330.4
-50°	1834.5	1463.9	1079.9	750.3	597.2	446.9	378.1	350.9	335.5	316.9	279.0
-52.5°	836.4	705.3	571.8	437.1	380.5	350.4	325.9	314.5	301.1	257.8	203.2
-55°	446.8	400.6	368.3	336.8	311.2	302.8	293.5	269.9	224.9	176.5	153.9
-57.5°	331.9	309.6	298.3	287.3	277.0	254.6	221.8	183.1	158.3	139.5	119.6
-60°	278.7	264.4	247.5	226.0	199.7	171.2	155.7	139.4	122.1	111.1	99.9
-62.5°	209.2	190.6	174.4	160.4	145.4	130.2	118.4	109.4	100.0	90.5	82.3
-65°	151.2	141.7	130.0	120.0	110.6	102.0	94.4	88.0	82.3	76.1	67.3
-67.5°	108.7	102.7	95.8	90.0	86.1	81.8	77.2	72.4	67.3	62.0	55.7
-70°	81.1	78.5	75.5	72.3	68.8	65.0	61.0	56.7	52.2	47.6	43.3
-72.5°	62.2	59.9	57.3	54.5	51.5	49.5	47.3	44.0	39.6	33.9	31.7
-75°	47.0	46.0	44.9	43.7	42.4	41.0	38.7	35.3	32.8	31.0	30.6
-77.5°	34.4	32.8	31.2	30.8	30.7	31.0	31.2	29.9	28.6	27.1	25.9
-80°	19.1	19.6	20.5	21.9	22.8	23.2	23.0	22.0	20.9	20.3	20.7
-82.5°	14.4	16.1	17.5	17.8	18.3	19.2	20.3	20.3	20.3	20.3	20.3
-85°	10.1	10.1	10.2	12.1	13.9	15.4	16.6	17.2	18.0	19.0	20.3
-87.5°	9.5	9.3	9.2	9.0	8.7	8.5	8.3	10.1	11.7	13.1	14.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-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	13.0	12.4	11.6	10.9	10.1	9.4	8.6	7.8	6.9	6.1
85°	20.3	20.3	20.3	20.3	20.5	20.3	18.7	17.1	15.5	13.9	12.2
82.5°	20.5	20.3	20.3	20.5	22.0	22.9	23.3	23.0	21.8	20.5	18.3
80°	27.3	26.0	24.6	23.5	24.2	25.7	27.0	27.2	25.6	24.0	22.3
77.5°	30.4	30.4	30.4	29.0	28.1	28.1	29.0	30.4	29.4	27.4	25.3
75°	30.7	30.4	30.4	30.8	31.1	30.3	30.0	30.4	30.4	30.4	28.2
72.5°	37.4	35.1	32.6	31.7	33.1	33.3	32.1	30.4	30.4	30.4	30.4
70°	40.6	40.6	38.6	36.6	36.0	36.6	36.2	33.7	30.5	30.4	30.4
67.5°	40.6	40.6	40.6	40.8	39.2	38.8	40.0	37.8	34.2	30.5	30.4
65°	50.0	44.4	40.8	42.2	41.9	40.3	40.5	40.6	37.8	33.7	30.4
62.5°	59.2	51.3	46.3	44.8	44.8	43.3	40.6	40.6	40.6	36.9	32.4
60°	69.3	61.3	52.5	48.6	47.7	47.3	44.0	40.6	40.6	40.0	35.1
57.5°	77.6	71.8	63.6	54.4	49.8	50.0	48.1	43.1	40.6	40.6	37.7
55°	86.4	77.6	72.8	64.6	54.4	50.6	51.0	46.8	41.3	40.6	40.3
52.5°	103.1	87.9	78.1	72.8	63.6	52.9	52.1	50.3	44.5	40.6	40.6
50°	123.5	106.0	88.6	77.6	71.8	61.4	53.7	52.3	47.6	41.4	40.6
47.5°	148.3	127.8	106.8	85.7	76.2	69.1	59.1	54.6	50.6	44.1	40.6
45°	182.4	152.5	127.5	103.5	81.1	74.7	65.2	57.2	53.2	46.6	40.6
42.5°	219.6	184.1	151.5	121.7	97.0	80.0	70.4	61.6	56.0	49.1	41.8
40°	264.0	219.7	178.1	145.2	115.2	86.2	75.8	65.7	59.0	51.5	43.9
37.5°	310.6	260.1	211.5	169.1	134.5	103.0	81.5	69.2	61.5	53.7	45.9
35°	368.7	304.9	247.1	198.1	156.5	119.7	87.6	73.1	63.9	55.8	47.7
32.5°	427.1	354.1	290.0	231.4	178.4	136.3	99.1	78.5	66.2	57.8	49.5
30°	506.5	412.2	333.0	265.2	202.6	155.5	113.4	84.0	68.4	59.7	51.1
27.5°	600.0	472.8	377.8	302.2	232.6	174.4	126.8	89.7	70.4	61.5	52.6
25°	699.3	552.2	432.6	339.4	262.4	192.7	139.3	95.6	74.0	63.1	54.0
22.5°	816.3	638.7	488.2	375.2	289.4	211.0	152.7	106.0	78.4	64.6	55.3
20°	946.2	725.4	546.1	415.5	317.3	233.6	167.2	115.5	82.8	65.9	56.4
17.5°	1091.7	842.8	633.3	468.6	347.2	254.3	181.2	124.1	86.9	67.1	57.4
15°	1351.9	1011.2	731.2	523.2	377.0	272.9	194.4	131.8	90.8	68.1	58.3
12.5°	1668.7	1196.2	833.9	578.0	406.1	289.5	206.8	138.5	94.5	69.8	59.1
10°	2013.7	1391.0	938.3	631.8	433.8	304.0	218.1	144.5	97.3	72.1	59.7
7.5°	2373.1	1588.7	1041.1	683.0	460.3	314.2	225.2	150.3	99.2	74.5	60.2
5°	2753.2	1819.1	1183.5	757.9	489.1	319.9	229.7	155.2	100.5	76.9	60.5
2.5°	3208.1	2096.2	1348.1	833.7	515.4	323.4	232.4	159.3	101.2	79.1	60.7
0°	3630.1	2352.5	1500.7	902.5	537.4	324.5	233.2	162.2	101.4	81.1	60.8
-2.5°	3936.0	2514.0	1579.6	953.6	582.8	361.1	248.1	168.6	103.3	80.9	60.7
-5°	4172.7	2634.8	1635.5	993.1	621.5	393.8	260.9	173.5	104.7	80.5	60.5
-7.5°	4231.5	2653.4	1642.5	1013.8	653.0	420.9	270.9	176.6	105.5	79.7	60.2
-10°	4172.2	2585.4	1585.0	977.5	637.8	426.3	276.5	177.5	105.6	78.5	59.7
-12.5°	4005.1	2460.7	1499.3	928.2	610.3	413.4	271.1	172.8	104.7	77.1	59.1
-15°	3720.1	2274.8	1384.0	865.7	578.6	397.4	262.2	164.4	101.7	75.3	58.3
-17.5°	3280.8	2024.3	1238.2	789.5	543.3	378.4	249.5	154.3	98.2	73.3	57.4
-20°	2818.4	1742.1	1076.5	699.7	504.9	356.8	232.8	142.2	94.2	70.9	56.4



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2350.5	1470.3	939.3	640.8	469.0	332.6	211.8	128.2	89.7	68.3	55.3
-25°	1842.3	1182.0	795.9	575.5	437.6	308.0	190.9	112.2	84.7	65.3	54.0
-27.5°	1454.0	918.5	655.4	510.4	393.6	278.0	171.8	105.6	79.8	62.1	52.6
-30°	1110.8	763.2	568.2	449.4	349.0	239.3	150.4	99.0	75.9	59.7	51.1
-32.5°	815.2	615.7	497.0	399.1	304.1	200.7	126.8	91.8	71.6	57.8	49.5
-35°	666.1	520.4	429.4	349.2	259.1	172.8	108.2	84.2	67.0	55.8	47.7
-37.5°	521.4	450.2	375.7	299.9	214.2	143.3	99.2	77.8	62.2	53.7	45.9
-40°	451.2	389.3	325.7	251.3	177.4	112.3	89.8	72.1	59.0	51.5	43.9
-42.5°	387.4	339.1	274.0	202.9	142.1	100.9	80.3	66.1	56.3	49.1	41.8
-45°	339.2	286.7	218.6	162.7	109.4	89.7	73.4	60.3	53.5	46.6	39.9
-47.5°	288.6	224.1	171.5	123.9	96.9	79.0	66.3	57.1	50.6	44.1	38.0
-50°	218.4	171.0	133.1	104.3	84.6	70.9	59.9	53.8	47.6	41.4	35.9
-52.5°	164.4	134.2	108.9	90.5	74.9	62.6	56.1	50.3	44.5	38.6	33.4
-55°	128.7	110.7	93.7	78.0	64.9	57.4	52.1	46.8	41.3	35.8	30.9
-57.5°	106.9	93.8	78.9	65.5	57.9	53.1	48.1	43.1	38.0	32.8	30.5
-60°	88.5	76.5	63.4	57.4	53.1	48.6	44.0	39.4	34.6	30.4	30.4
-62.5°	72.1	61.4	56.1	52.1	48.1	44.0	39.8	35.5	31.1	30.4	30.4
-65°	60.2	54.5	50.3	46.8	43.1	39.4	35.5	31.6	30.4	30.4	30.3
-67.5°	50.6	46.8	44.3	41.3	38.0	34.6	31.1	30.4	30.4	30.4	30.0
-70°	40.2	38.4	38.0	35.8	32.8	30.4	30.4	30.4	30.4	29.2	29.4
-72.5°	33.1	33.4	32.4	30.4	30.4	30.4	30.4	29.7	28.0	27.7	28.8
-75°	30.5	29.7	29.8	30.4	30.4	30.1	27.8	25.8	25.4	26.1	26.7
-77.5°	26.0	26.9	28.6	28.9	27.1	25.2	23.3	21.8	23.0	24.1	24.2
-80°	22.4	23.4	23.7	23.2	21.7	20.3	20.3	20.5	21.8	22.2	21.8
-82.5°	20.4	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.7	20.4	18.3
-85°	20.3	20.3	20.3	20.3	20.3	20.3	18.7	17.1	15.5	13.9	12.2
-87.5°	13.7	13.0	12.4	11.6	10.9	10.1	9.4	8.6	7.8	6.9	6.1
-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: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-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°	5.3	4.4	3.5	2.6	1.8	0.9	0.0
85°	10.5	8.8	7.0	5.3	3.5	1.8	0.0
82.5°	15.7	13.1	10.5	7.9	5.3	2.6	0.0
80°	20.6	17.5	14.0	10.5	7.0	3.5	0.0
77.5°	23.2	21.0	17.5	13.1	8.8	4.4	0.0
75°	25.7	23.2	20.6	15.7	10.5	5.3	0.0
72.5°	28.2	25.3	22.3	18.3	12.2	6.1	0.0
70°	30.4	27.4	24.0	20.5	13.9	6.9	0.0
67.5°	30.4	29.4	25.6	21.8	15.5	7.8	0.0
65°	30.4	30.4	27.2	23.0	17.1	8.6	0.0
62.5°	30.4	30.4	28.8	24.2	18.7	9.4	0.0
60°	30.4	30.4	30.3	25.3	20.3	10.1	0.0
57.5°	32.4	30.4	30.4	26.4	21.0	10.9	0.0
55°	34.6	30.4	30.4	27.5	21.8	11.6	0.0
52.5°	36.8	30.7	30.4	28.6	22.5	12.4	0.0
50°	38.9	32.4	30.4	29.6	23.2	13.0	0.0
47.5°	40.6	34.1	30.4	30.4	23.8	13.7	0.0
45°	40.6	35.7	30.4	30.4	24.5	14.4	0.0
42.5°	40.6	37.3	30.4	30.4	25.1	15.0	0.0
40°	40.6	38.7	31.0	30.4	25.7	15.5	0.0
37.5°	40.6	40.1	32.1	30.4	26.2	16.1	0.0
35°	40.6	40.6	33.2	30.4	26.7	16.6	0.0
32.5°	41.0	40.6	34.2	30.4	27.2	17.1	0.0
30°	42.4	40.6	35.1	30.4	27.7	17.6	0.0
27.5°	43.7	40.6	36.0	30.4	28.1	18.0	0.0
25°	44.9	40.6	36.7	30.4	28.5	18.4	0.0
22.5°	46.0	40.6	37.5	30.4	28.9	18.8	0.0
20°	47.0	40.6	38.1	30.4	29.2	19.1	0.0
17.5°	47.8	40.6	38.7	30.4	29.5	19.4	0.0
15°	48.6	40.6	39.2	30.4	29.7	19.6	0.0
12.5°	49.2	40.6	39.6	30.4	29.9	19.8	0.0
10°	49.8	40.6	40.0	30.4	30.1	20.0	0.0
7.5°	50.2	40.6	40.2	30.4	30.2	20.1	0.0
5°	50.5	40.6	40.4	30.4	30.3	20.2	0.0
2.5°	50.6	40.6	40.6	30.4	30.4	20.3	0.0
0°	50.7	40.6	40.6	30.4	30.4	20.3	0.0
-2.5°	50.6	40.6	40.6	30.4	30.4	20.3	0.0
-5°	50.5	40.6	40.4	30.4	30.3	20.2	0.0
-7.5°	50.2	40.6	40.2	30.4	30.2	20.1	0.0
-10°	49.8	40.6	40.0	30.4	30.1	20.0	0.0
-12.5°	49.2	40.6	39.6	30.4	29.9	19.8	0.0
-15°	48.6	40.6	39.2	30.4	29.7	19.6	0.0
-17.5°	47.8	40.6	38.7	30.4	29.5	19.4	0.0
-20°	47.0	40.6	38.1	30.4	29.2	19.1	0.0



REPORT NUMBER: P699990 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-3L-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	46.0	40.6	37.5	30.4	28.9	18.8	0.0
-25°	44.9	40.4	36.7	30.4	28.5	18.4	0.0
-27.5°	43.7	40.1	36.0	30.4	28.1	18.0	0.0
-30°	42.4	39.7	35.1	30.4	27.7	17.6	0.0
-32.5°	41.0	39.2	34.0	30.4	27.2	17.1	0.0
-35°	40.2	38.5	33.0	30.4	26.7	16.6	0.0
-37.5°	39.5	37.5	31.9	30.4	26.2	16.1	0.0
-40°	38.5	36.1	30.9	30.4	25.7	15.5	0.0
-42.5°	37.4	34.8	30.4	30.4	25.1	15.0	0.0
-45°	36.0	33.6	30.4	30.4	24.5	14.4	0.0
-47.5°	34.5	32.5	30.4	30.4	23.8	13.7	0.0
-50°	33.3	31.5	30.4	29.6	23.2	13.0	0.0
-52.5°	32.3	30.5	30.4	28.6	22.5	12.4	0.0
-55°	31.5	30.4	30.4	27.5	21.8	11.6	0.0
-57.5°	30.9	30.4	30.4	26.4	21.0	10.9	0.0
-60°	30.4	30.4	30.3	25.3	20.3	10.1	0.0
-62.5°	30.4	30.4	28.8	24.2	18.7	9.4	0.0
-65°	30.4	30.4	27.2	23.0	17.1	8.6	0.0
-67.5°	30.4	29.4	25.6	21.8	15.5	7.8	0.0
-70°	30.4	27.4	24.0	20.5	13.9	6.9	0.0
-72.5°	28.2	25.3	22.3	18.3	12.2	6.1	0.0
-75°	25.7	23.2	20.6	15.7	10.5	5.3	0.0
-77.5°	23.2	21.0	17.5	13.1	8.8	4.4	0.0
-80°	20.6	17.5	14.0	10.5	7.0	3.5	0.0
-82.5°	15.7	13.1	10.5	7.9	5.3	2.6	0.0
-85°	10.5	8.8	7.0	5.3	3.5	1.8	0.0
-87.5°	5.3	4.4	3.5	2.6	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)