

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: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-80-5L-S**

Issue Date: 8/10/2023

**Test Information**

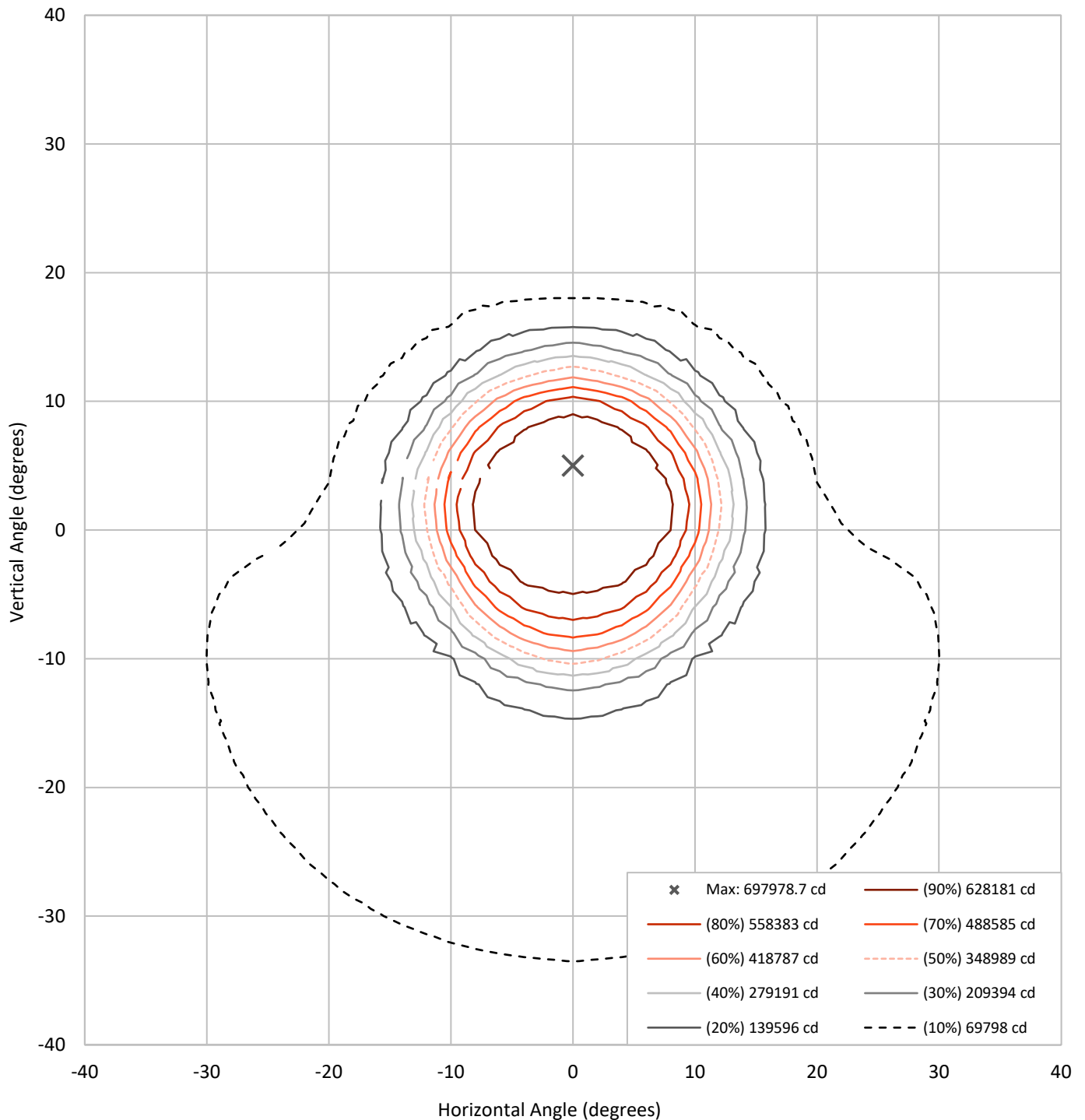
Test Method: LM-79-08  
Report Number: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200L-57-80-5L-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 80 CRI LEDS AND 5L BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	164979.6 lumens	Max Intensity:	697978.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	131.4 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	23.3°H x 23°V	Field Angle (10%):	39.5°H x 51.6°V
Beam Lumens:	73216.7 lumens	Field Lumens:	134341.6 lumens
Beam Efficiency:	44.4%	Field Efficiency:	81.4%
Input Watts (W):	1255.9		
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: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

### Iso-Candela Plot





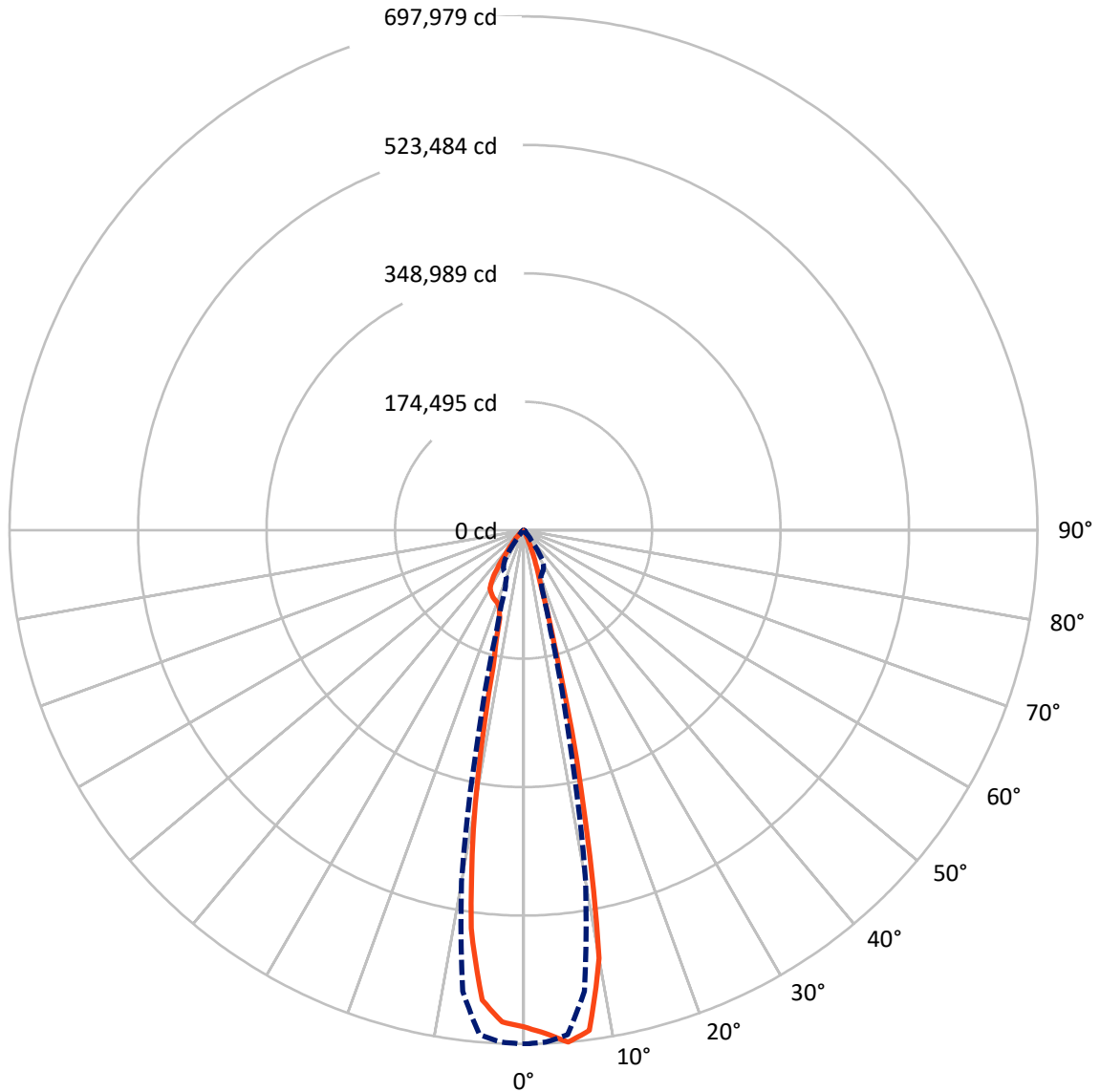
REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

### Lumen Table

90	0.3	1.1		2.2		3.3		3.8		3.3		2.2		1.1		0.3			
80	0.3	1.1		2.2		3.3		3.8		3.3		2.2		1.1		0.3			
70	0.5	0.4	0.8	1.4	2.0	2.7	3.5	3.8	3.8	3.5	2.7	2.0	1.4	0.8	0.4	0.5			
60		0.6	1.4	2.5	4.0	6.3	10.9	20.3	20.3	10.9	6.3	4.0	2.5	1.4	0.6				
50	0.7	0.9	2.1	4.5	9.2	17.2	28.2	43.5	43.5	28.2	17.2	9.2	4.5	2.1	0.9	0.7			
40		1.2	3.3	9.0	20.0	36.2	70.2	92.9	92.9	70.2	36.2	20.0	9.0	3.3	1.2				
30	1.0	1.5	5.2	21.0	65.9	281.8	417.0	510.4	510.4	417.0	281.8	65.9	21.0	5.2	1.5	1.0			
20		1.8	8.8	52.8	362.4	1068.8	1843.3	5362.0	5362.0	1843.3	1068.8	362.4	52.8	8.8	1.8				
10	1.1	2.1	13.8	112.3	796.6	1685.1	5327.5	18679.6	18679.6	5327.5	1685.1	796.6	112.3	13.8	2.1	1.1			
0		2.3	16.9	147.0	998.6	2023.2	4474.2	15719.3	15719.3	4474.2	2023.2	998.6	147.0	16.9	2.3				
-10	1.0	2.2	13.7	117.9	794.8	2206.4	2781.2	4252.0	4252.0	2781.2	2206.4	794.8	117.9	13.7	2.2	1.0			
-20		1.9	8.4	61.9	378.1	1525.5	2598.1	2935.9	2935.9	2598.1	1525.5	378.1	61.9	8.4	1.9				
-30	0.8	1.5	4.5	20.4	138.6	498.8	1145.4	1660.3	1660.3	1145.4	498.8	138.6	20.4	4.5	1.5	0.8			
-40		1.1	2.7	6.3	28.5	117.7	263.7	379.9	379.9	263.7	117.7	28.5	6.3	2.7	1.1				
-50	0.5	0.7	1.7	3.2	5.8	12.9	30.1	44.4	44.4	30.1	12.9	5.8	3.2	1.7	0.7	0.5			
-60		0.4	0.9	1.7	2.6	3.6	4.7	5.5	5.5	4.7	3.6	2.6	1.7	0.9	0.4				
-70	0.2	1.1	2.3		3.7		4.2		3.7		2.3		1.1		0.2				
-80		1.1	2.3		3.7		4.2		3.7		2.3		1.1						
-90	0.2	1.1		2.3		3.7		4.2		3.7		2.3		1.1		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

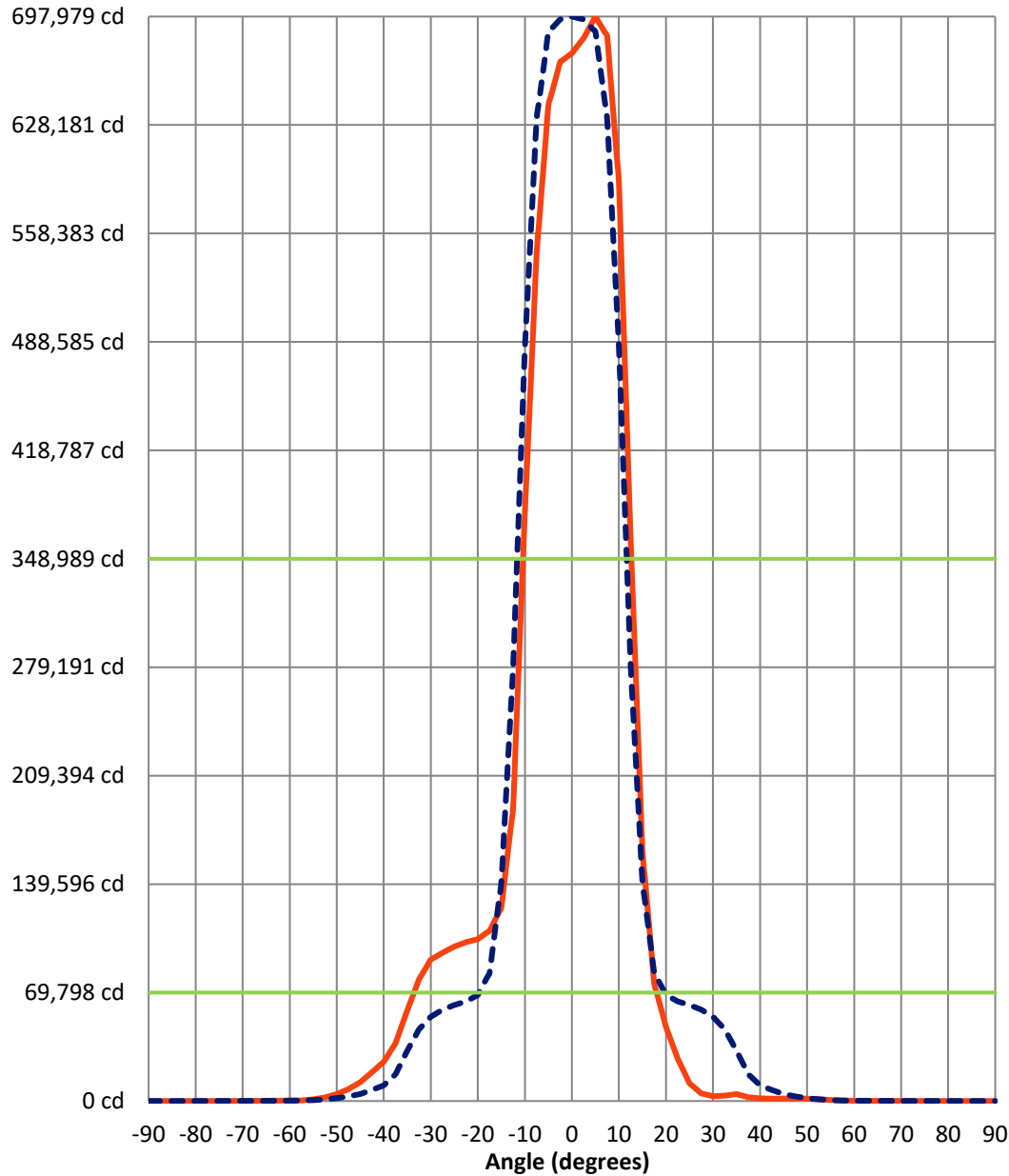
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 5-Deg

REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.3°  
 V Angle: 23°  
 Lumens: 73216.7  
 Efficiency: 44.4%

**Field:**  
 H Angle: 39.5°  
 V Angle: 51.6°  
 Lumens: 134341.6  
 Efficiency: 81.4%

**Spill:**  
 Lumens: 30638  
 Efficiency: 18.6%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 5-Deg

REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-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	0.7	1.5	2.2	3.0	3.7	4.4	5.0	5.7	6.2	6.8
85°	0.0	1.5	3.0	4.4	5.9	7.4	8.8	10.1	11.3	12.5	13.6
82.5°	0.0	2.2	4.4	6.6	8.8	11.0	13.2	15.1	16.7	16.9	17.1
80°	0.0	3.0	5.9	8.8	11.7	14.6	17.1	17.5	18.0	18.3	18.7
77.5°	0.0	3.7	7.4	11.0	14.6	17.3	18.1	18.7	19.2	19.8	20.4
75°	0.0	4.4	8.8	13.2	17.1	18.1	19.0	19.8	20.6	21.5	22.4
72.5°	0.0	5.1	10.2	15.3	17.7	18.9	20.0	21.0	22.1	23.2	24.3
70°	0.0	5.8	11.6	17.1	18.4	19.7	20.9	22.4	23.7	25.0	26.6
67.5°	0.0	6.5	13.0	17.6	19.0	20.4	22.1	23.7	25.2	27.1	28.9
65°	0.0	7.2	14.4	18.0	19.6	21.3	23.2	25.0	27.1	29.1	31.3
62.5°	0.0	7.8	15.7	18.5	20.2	22.2	24.3	26.5	28.9	31.2	34.2
60°	0.0	8.5	17.0	18.9	20.8	23.1	25.4	28.1	30.6	33.7	36.9
57.5°	0.0	9.1	17.3	19.3	21.5	24.0	26.7	29.6	32.6	36.0	40.7
55°	0.0	9.7	17.6	19.7	22.1	24.8	28.0	31.1	34.6	38.7	45.0
52.5°	0.0	10.3	17.8	20.1	22.8	25.7	29.3	32.8	36.5	42.5	49.2
50°	0.0	10.9	18.1	20.5	23.4	26.7	30.5	34.4	38.8	46.2	55.9
47.5°	0.0	11.5	18.3	20.9	24.1	27.8	31.8	36.1	42.0	49.8	62.6
45°	0.0	12.0	18.6	21.4	24.7	28.8	33.2	37.7	45.3	55.6	69.1
42.5°	0.0	12.5	18.8	21.8	25.2	29.8	34.5	40.0	48.6	61.1	75.7
40°	0.0	13.0	19.0	22.2	25.9	30.7	35.8	42.7	52.3	66.4	82.3
37.5°	0.0	13.5	19.2	22.6	26.6	31.6	37.0	45.4	57.0	72.0	88.7
35°	0.0	13.9	19.4	22.9	27.3	32.6	38.2	48.0	61.6	77.7	94.4
32.5°	0.0	14.3	19.6	23.3	28.0	33.5	39.7	50.5	65.9	83.2	98.9
30°	0.0	14.7	19.8	23.6	28.6	34.4	41.7	53.2	70.0	88.4	103.4
27.5°	0.0	15.1	19.9	23.9	29.1	35.3	43.6	56.5	74.0	93.2	107.7
25°	0.0	15.4	20.1	24.2	29.7	36.1	45.4	59.6	78.0	97.1	111.9
22.5°	0.0	15.7	20.2	24.4	30.1	36.8	47.0	62.5	81.7	100.5	117.4
20°	0.0	16.0	20.3	24.6	30.6	37.5	48.6	65.2	85.0	103.8	122.5
17.5°	0.0	16.2	20.4	24.8	30.9	38.1	49.9	67.6	88.1	106.8	127.3
15°	0.0	16.4	20.5	25.0	31.3	38.7	51.1	69.7	90.8	109.5	131.6
12.5°	0.0	16.6	20.6	25.2	31.6	39.2	52.2	71.5	93.4	112.0	135.4
10°	0.0	16.7	20.7	25.3	31.8	39.6	53.0	73.1	96.0	115.1	139.7
7.5°	0.0	16.9	20.7	25.4	32.0	40.0	53.8	74.4	98.3	118.0	145.3
5°	0.0	16.9	20.8	25.4	32.1	40.3	54.3	75.4	100.2	120.6	150.7
2.5°	0.0	17.0	20.8	25.5	32.2	40.5	54.7	76.2	101.9	122.9	155.6
0°	0.0	17.0	20.8	25.5	32.2	40.7	54.9	76.6	103.1	124.9	159.9
-2.5°	0.0	17.0	20.8	25.5	32.2	40.8	54.9	76.7	103.4	126.1	163.3
-5°	0.0	16.9	20.8	25.4	32.1	40.7	54.8	76.6	103.3	126.8	165.7
-7.5°	0.0	16.9	20.7	25.4	32.0	40.6	54.5	76.1	102.7	127.0	167.3
-10°	0.0	16.7	20.7	25.3	31.8	40.4	54.1	75.3	101.7	126.7	167.6
-12.5°	0.0	16.6	20.6	25.2	31.6	40.1	53.4	74.2	100.2	125.8	164.4
-15°	0.0	16.4	20.5	25.0	31.3	39.7	52.6	72.8	98.3	123.6	159.2
-17.5°	0.0	16.2	20.4	24.8	30.9	39.2	51.7	71.0	95.9	121.0	153.5
-20°	0.0	16.0	20.3	24.6	30.6	38.6	50.6	68.9	93.1	118.0	147.1



REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.7	20.2	24.4	30.1	38.0	49.3	66.5	89.8	114.7	140.3
-25°	0.0	15.4	20.1	24.2	29.7	37.1	47.8	63.7	86.1	111.1	133.0
-27.5°	0.0	15.1	19.9	23.9	29.1	36.2	46.2	60.6	82.0	106.9	128.3
-30°	0.0	14.7	19.8	23.6	28.6	35.2	44.4	57.1	77.9	101.9	123.5
-32.5°	0.0	14.3	19.6	23.3	28.0	34.0	42.5	54.5	73.6	96.3	118.3
-35°	0.0	13.9	19.4	22.9	27.3	32.8	40.9	52.1	69.0	90.4	113.0
-37.5°	0.0	13.5	19.2	22.6	26.6	31.6	39.4	49.6	63.9	84.0	106.2
-40°	0.0	13.0	19.0	22.2	25.9	30.7	37.7	46.9	58.5	77.6	98.3
-42.5°	0.0	12.5	18.8	21.8	25.2	29.8	35.9	44.1	54.4	71.0	90.0
-45°	0.0	12.0	18.6	21.3	24.6	28.8	33.9	41.4	51.0	64.0	81.4
-47.5°	0.0	11.5	18.3	20.9	24.0	27.8	31.9	39.0	47.5	56.7	73.2
-50°	0.0	10.9	18.1	20.4	23.3	26.7	30.5	36.4	43.7	52.5	64.7
-52.5°	0.0	10.3	17.8	20.0	22.7	25.7	29.3	33.8	40.4	48.1	56.3
-55°	0.0	9.7	17.6	19.6	21.9	24.7	28.0	31.1	37.0	43.6	51.3
-57.5°	0.0	9.1	17.3	19.2	21.2	23.8	26.7	29.6	33.6	39.5	46.1
-60°	0.0	8.5	17.0	18.8	20.4	22.8	25.4	28.1	30.4	35.4	41.1
-62.5°	0.0	7.8	15.7	18.3	19.8	21.8	24.1	26.5	28.6	31.1	36.2
-65°	0.0	7.2	14.4	17.8	19.2	20.8	22.8	24.9	26.7	28.6	31.2
-67.5°	0.0	6.5	13.0	17.4	18.6	19.8	21.5	23.3	24.9	26.5	28.0
-70°	0.0	5.8	11.6	16.9	18.0	19.0	20.2	21.7	23.1	24.4	25.7
-72.5°	0.0	5.1	10.2	15.1	17.3	18.2	19.1	20.1	21.4	22.5	23.4
-75°	0.0	4.4	8.8	13.0	16.7	17.4	18.2	18.9	19.6	20.6	21.4
-77.5°	0.0	3.7	7.4	10.9	14.3	16.6	17.2	17.8	18.3	18.8	19.4
-80°	0.0	3.0	5.9	8.7	11.4	14.1	16.2	16.6	17.0	17.4	17.7
-82.5°	0.0	2.2	4.4	6.6	8.6	10.6	12.5	14.3	15.7	15.9	16.1
-85°	0.0	1.5	3.0	4.4	5.7	7.1	8.3	9.5	10.7	11.7	12.8
-87.5°	0.0	0.7	1.5	2.2	2.9	3.5	4.2	4.8	5.3	5.9	6.4
-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: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-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°	7.3	7.8	8.2	8.7	9.1	9.4	9.7	10.0	10.1	10.2	10.1
85°	14.6	15.6	15.6	15.7	15.7	15.6	15.5	15.4	15.1	14.8	14.4
82.5°	17.3	17.5	17.7	17.8	17.8	17.7	17.6	17.5	17.4	17.2	17.1
80°	19.1	19.4	19.9	20.3	20.4	20.4	20.4	20.2	20.2	20.3	20.6
77.5°	21.1	21.7	22.4	23.0	23.3	23.6	24.0	24.4	24.9	25.4	25.8
75°	23.2	24.1	25.1	26.1	26.8	27.5	28.3	29.6	31.0	32.5	34.1
72.5°	25.6	26.8	28.1	29.3	31.0	32.7	34.4	36.2	38.3	40.5	42.5
70°	28.1	29.6	31.6	33.8	36.1	38.4	41.2	43.8	46.4	49.2	52.4
67.5°	30.8	33.2	35.8	38.6	42.2	45.5	48.6	53.3	57.6	61.5	65.0
65°	34.0	36.9	40.6	44.8	48.8	54.4	59.9	65.1	70.0	74.5	78.6
62.5°	37.2	41.7	46.3	51.9	58.9	65.2	71.3	77.1	82.7	86.7	90.4
60°	41.7	46.8	53.8	61.9	69.2	75.9	82.6	88.0	92.8	97.3	104.1
57.5°	46.4	54.0	63.4	71.7	79.3	86.2	91.9	97.4	105.2	113.1	121.3
55°	52.3	63.0	72.6	81.2	88.6	94.5	101.6	111.2	120.3	131.6	142.5
52.5°	60.3	71.7	81.4	89.7	96.2	104.6	115.2	127.3	140.6	154.1	172.3
50°	68.1	79.6	89.6	96.6	105.6	117.4	131.7	147.3	165.2	185.1	206.5
47.5°	75.5	87.6	95.7	104.3	117.5	133.2	151.1	171.5	193.2	219.5	243.5
45°	82.9	93.9	101.8	115.2	131.3	151.2	174.7	196.7	228.0	258.7	296.5
42.5°	90.2	99.7	111.3	125.9	147.9	173.6	200.6	232.5	266.9	308.9	369.7
40°	95.7	105.5	121.2	141.6	166.4	199.3	234.8	271.5	313.2	381.5	462.7
37.5°	100.9	114.3	132.2	157.6	191.0	229.5	270.2	319.1	384.9	466.9	576.6
35°	106.0	122.9	147.0	177.6	216.3	262.8	314.7	380.3	477.9	581.3	690.3
32.5°	112.5	131.1	161.7	200.5	246.3	298.8	360.1	472.7	603.4	724.9	807.9
30°	119.7	143.8	178.0	222.6	276.1	341.7	439.9	579.1	752.2	901.6	1002.4
27.5°	126.6	156.6	197.4	247.6	307.4	385.7	544.9	729.4	931.5	1110.7	1245.4
25°	133.2	168.4	215.9	272.9	346.8	471.5	676.9	921.6	1143.3	1370.6	1572.8
22.5°	141.3	179.4	232.3	297.1	386.1	580.0	857.3	1168.0	1462.4	1696.7	1966.4
20°	150.3	192.9	249.7	321.3	426.9	695.9	1051.9	1452.1	1860.3	2292.9	2807.8
17.5°	158.5	205.2	267.4	357.3	524.7	848.7	1265.2	1764.6	2313.1	3056.5	4182.3
15°	165.8	216.3	283.6	395.9	636.7	1044.9	1568.7	2170.8	2916.7	4065.2	5814.6
12.5°	172.1	226.1	298.2	435.8	750.6	1247.4	1909.7	2717.3	3823.8	5463.4	9053.7
10°	177.6	234.5	311.0	475.8	863.3	1450.4	2267.6	3307.1	4893.1	7069.8	12146.0
7.5°	186.2	243.2	323.1	514.2	971.0	1647.8	2629.3	3917.4	6015.6	8630.6	14898.0
5°	194.7	252.0	339.4	567.9	1085.3	1850.8	2986.5	4522.9	7140.4	10113.3	17281.4
2.5°	202.4	259.2	353.9	621.0	1196.6	2063.9	3343.0	5079.9	8083.7	11474.0	19433.5
0°	209.1	264.9	366.1	667.8	1291.2	2251.4	3657.1	5574.6	8884.5	12689.1	21314.4
-2.5°	215.1	272.4	382.1	701.0	1333.9	2350.9	3828.9	5893.9	9263.2	13315.1	22449.7
-5°	219.9	278.3	394.4	723.1	1354.4	2408.3	3935.2	6109.1	9431.7	13642.1	22876.5
-7.5°	223.2	282.7	402.5	728.7	1326.5	2336.3	3827.4	5967.7	9205.1	13547.8	22488.0
-10°	223.9	283.0	406.8	699.8	1239.5	2172.1	3611.2	5703.4	8795.0	13116.9	21337.6
-12.5°	217.5	278.7	403.9	665.2	1138.7	1972.3	3315.9	5310.1	8196.5	12312.5	19302.3
-15°	209.8	271.8	392.4	626.5	1026.5	1738.8	2938.5	4781.5	7417.1	11131.8	16296.3
-17.5°	200.7	262.0	371.2	585.3	905.1	1473.4	2478.7	4147.0	6598.9	10014.4	14690.7
-20°	190.3	249.1	339.5	542.9	788.8	1245.1	2123.8	3597.7	5785.5	8815.2	12837.5



REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	178.5	232.9	309.0	504.5	704.5	1063.9	1760.0	2956.1	4792.7	7393.2	10956.8
-25°	167.7	218.6	290.0	431.7	612.7	868.5	1354.5	2271.4	3855.8	6203.5	9285.2
-27.5°	158.6	203.0	262.4	360.4	519.3	688.7	1070.0	1797.3	3028.7	4852.1	7473.2
-30°	149.3	185.3	233.3	300.6	436.4	584.1	831.5	1304.1	2213.7	3734.7	5843.2
-32.5°	139.4	168.0	210.1	267.3	360.5	479.6	620.1	982.7	1638.6	2632.3	4254.7
-35°	130.7	156.5	190.2	232.8	292.1	394.1	510.2	696.9	1096.8	1866.3	3067.8
-37.5°	124.1	144.7	170.9	203.8	253.6	322.1	400.3	518.3	762.5	1192.8	2136.2
-40°	117.5	132.7	156.2	183.3	215.9	266.2	329.8	395.7	504.1	839.1	1331.9
-42.5°	110.4	125.1	142.9	163.7	190.8	227.2	268.0	318.4	388.5	542.7	882.3
-45°	100.8	117.7	130.3	148.9	169.4	194.7	228.9	262.1	313.1	384.5	549.8
-47.5°	90.7	109.2	122.2	134.0	151.0	170.9	194.2	225.9	260.0	305.4	351.0
-50°	80.5	97.7	113.7	123.2	135.0	149.9	168.3	192.0	220.7	251.6	288.6
-52.5°	70.7	85.8	101.3	113.9	122.4	132.9	146.8	164.7	186.3	209.4	237.0
-55°	60.6	74.4	88.1	101.6	112.4	119.8	129.2	142.8	156.7	176.2	195.0
-57.5°	53.2	62.9	75.4	87.6	99.2	109.1	116.3	124.0	135.6	148.1	161.0
-60°	47.4	53.8	62.9	74.0	84.7	94.6	103.6	110.7	117.7	124.9	135.3
-62.5°	41.6	47.4	53.2	60.5	70.4	79.5	87.8	95.6	102.6	108.8	114.7
-65°	36.0	41.0	46.1	51.3	56.3	64.4	72.2	79.2	85.8	91.9	97.5
-67.5°	30.2	34.6	39.1	43.6	48.1	52.4	56.7	63.3	69.4	74.7	79.6
-70°	27.1	28.6	32.0	35.9	39.8	43.4	47.1	50.8	54.3	58.1	62.7
-72.5°	24.6	25.9	27.1	28.4	31.6	34.9	37.9	40.6	43.5	46.5	49.2
-75°	22.3	23.1	24.1	25.1	26.2	27.6	29.4	31.9	34.2	36.4	38.4
-77.5°	20.1	20.8	21.4	22.1	22.5	23.3	24.2	25.3	26.4	27.6	28.9
-80°	18.1	18.5	18.9	19.4	19.6	19.8	19.9	20.0	20.1	20.5	21.1
-82.5°	16.3	16.6	16.8	16.9	16.9	16.8	16.7	16.7	16.8	16.9	16.9
-85°	13.7	14.6	14.7	14.8	14.7	14.7	14.6	14.4	14.2	14.1	13.9
-87.5°	6.9	7.3	7.7	8.1	8.5	8.8	9.1	9.3	9.4	9.4	9.4
-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: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-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°	10.1	9.8	9.4	9.1	8.6	8.1	7.6	7.0	6.4	5.5	4.6
85°	14.1	13.5	13.0	12.4	11.8	11.2	10.6	10.0	9.3	9.1	8.9
82.5°	16.9	16.5	16.0	15.6	15.1	15.2	15.5	15.9	16.2	16.4	16.6
80°	20.8	21.0	21.2	21.6	22.0	23.0	24.0	25.0	25.9	26.4	26.8
77.5°	26.6	27.9	29.2	30.4	31.5	32.8	34.0	35.0	36.0	36.5	37.0
75°	35.7	37.4	38.8	40.3	41.7	43.1	44.4	45.7	46.8	47.5	48.1
72.5°	44.3	46.1	48.2	50.7	53.1	55.3	57.4	59.4	61.2	62.5	63.5
70°	55.3	58.0	61.1	64.0	66.7	69.2	71.9	74.3	76.6	78.2	79.4
67.5°	68.3	71.5	74.9	77.9	80.6	83.6	87.0	90.2	93.1	95.2	96.4
65°	82.0	84.9	88.4	92.0	95.5	100.4	105.5	110.2	114.4	117.6	119.6
62.5°	93.9	98.6	104.7	110.8	116.8	123.0	129.3	135.2	140.6	144.9	147.6
60°	110.7	117.0	125.4	133.8	141.5	148.6	158.0	166.6	174.2	180.7	185.7
57.5°	131.0	140.4	150.4	162.7	174.2	185.0	197.9	214.6	233.0	253.3	282.2
55°	156.1	170.6	183.1	198.7	215.6	232.7	254.2	290.7	331.7	375.8	449.9
52.5°	189.1	206.3	221.7	241.8	272.7	302.8	334.5	401.7	477.0	555.7	695.7
50°	226.8	249.0	278.4	308.8	357.6	410.0	460.3	552.6	659.2	767.2	936.9
47.5°	276.6	310.0	361.3	414.2	476.8	548.0	618.4	719.9	834.5	939.4	1083.0
45°	342.9	408.8	473.3	541.9	614.6	699.8	778.3	863.9	968.4	1055.2	1156.0
42.5°	443.1	525.6	605.5	682.9	766.4	849.3	924.2	1003.0	1087.5	1166.7	1250.7
40°	560.7	651.5	734.4	818.3	885.7	962.6	1034.3	1108.0	1202.5	1315.3	1416.3
37.5°	679.7	766.8	842.9	919.0	981.8	1035.5	1156.3	1279.7	1396.7	1672.3	1918.9
35°	797.8	882.2	940.3	1016.5	1107.5	1231.3	1427.9	1760.6	2057.8	2620.4	3181.7
32.5°	920.6	1011.6	1080.4	1195.3	1356.8	1759.6	2045.5	2886.4	3609.4	3888.2	3774.5
30°	1057.6	1177.6	1366.7	1588.8	2184.8	3137.3	3894.2	4238.8	4062.8	3607.9	3633.0
27.5°	1331.0	1500.4	1928.9	3038.4	4542.0	6165.4	6497.0	5620.5	5962.1	4902.7	5638.2
25°	1800.0	2118.5	3889.1	6890.4	9468.1	10515.7	11309.7	10723.7	11482.6	11514.4	12172.3
22.5°	2604.5	4617.1	8091.6	12962.6	16004.4	17631.5	18630.2	19729.2	20925.9	22707.5	23836.7
20°	4148.5	7914.0	14981.9	20165.1	23702.0	25971.1	27800.3	30216.9	32960.4	36310.5	39000.2
17.5°	7596.4	14372.8	22235.3	27832.0	31688.3	34967.6	37848.0	41179.2	45388.3	50666.5	55880.3
15°	11414.3	21420.3	29537.1	35246.7	39637.7	43474.9	47325.7	51347.1	57020.1	65417.9	77673.1
12.5°	16922.9	28191.5	36854.6	42428.0	47217.0	50962.4	54761.7	60007.6	68460.1	81183.0	130040.2
10°	22606.9	34641.5	43144.7	48659.4	53140.2	56807.9	60460.5	65922.7	81720.9	131683.3	228782.2
7.5°	27755.7	40629.2	48891.4	54208.6	58041.6	60903.4	64826.3	75153.5	110450.8	195477.0	366733.5
5°	32402.2	46162.7	54206.1	58824.0	61795.2	64133.0	68283.3	82642.0	141101.5	279483.2	484524.7
2.5°	35976.7	50730.8	58973.8	62753.3	64908.3	66897.1	71171.5	86967.9	155058.8	322474.8	537827.8
0°	38030.5	53589.7	62656.7	65938.3	67704.4	69441.2	73955.3	90393.3	156624.8	301767.0	518392.6
-2.5°	39761.8	56217.0	65906.5	69168.2	70693.2	72053.6	76241.1	91556.7	140500.0	244525.4	443301.2
-5°	40089.8	57412.8	68109.5	72106.7	73600.9	74709.2	77773.7	90026.2	122535.7	180201.9	319168.6
-7.5°	38982.3	57127.3	69507.4	74852.8	76615.7	77696.2	79927.4	87255.0	104821.5	134841.4	214010.4
-10°	36505.1	55269.2	69931.6	77319.0	79887.0	81069.0	82332.6	85192.7	93690.3	110794.3	134086.0
-12.5°	32316.7	51321.8	69138.0	79444.3	82832.2	84357.8	85632.1	87634.8	91054.7	96754.6	110755.2
-15°	27257.3	45656.3	64449.9	77452.6	84187.9	87208.3	89050.5	89997.1	91705.9	95128.7	100546.1
-17.5°	23397.8	38222.6	56761.6	73825.3	84196.4	88567.4	90956.9	92857.1	94075.6	96229.4	98383.9
-20°	18779.3	29480.8	47322.3	64996.2	78918.0	87843.2	91510.4	93881.6	95946.9	97393.6	99025.3



REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15757.8	23948.6	36433.6	53699.3	69939.3	81485.1	89736.3	92811.9	95408.6	96987.0	98432.4
-25°	13176.3	18276.9	27600.6	41150.7	57102.9	71312.4	81679.1	89434.0	92605.8	94816.9	96185.5
-27.5°	10831.4	15143.2	20632.6	29931.2	42857.5	56532.2	68801.2	79545.9	85546.8	90975.0	92396.6
-30°	8568.5	12189.4	16599.3	21727.7	30107.0	40019.9	51831.2	62475.0	71903.5	79313.8	83355.1
-32.5°	6678.7	9559.9	13143.8	17156.7	21136.5	27923.5	34401.5	44170.7	52900.0	60581.0	67067.0
-35°	4836.3	7247.7	9964.9	13201.4	16492.9	20083.0	24253.5	29823.6	34828.2	41203.4	47215.2
-37.5°	3401.8	5138.0	7302.8	9670.5	12438.9	15142.7	18032.8	20962.7	23700.9	27644.5	30996.7
-40°	2284.5	3426.5	4999.3	6738.1	8908.2	11000.9	13295.3	15412.4	17436.1	19545.4	21370.4
-42.5°	1381.8	2199.2	3127.8	4441.5	5892.5	7498.8	9285.7	10961.6	12421.2	13864.5	15180.3
-45°	824.5	1287.6	1846.6	2696.3	3559.6	4774.4	5983.0	7085.7	8298.3	9352.9	10228.9
-47.5°	509.7	694.3	1064.6	1494.6	2040.5	2811.2	3563.3	4283.5	5134.5	5894.0	6522.4
-50°	331.6	413.4	584.6	770.9	1119.0	1520.6	1920.1	2383.9	2908.4	3372.0	3742.6
-52.5°	263.0	300.9	340.9	407.4	575.8	758.0	947.9	1224.2	1503.1	1757.9	1954.7
-55°	216.6	239.4	260.6	293.5	329.5	364.5	421.4	564.4	697.2	818.1	911.2
-57.5°	177.6	194.0	211.1	230.5	249.7	268.6	294.9	325.9	355.8	382.5	390.4
-60°	145.5	155.4	169.5	183.5	196.4	208.3	226.8	244.9	261.6	275.6	283.5
-62.5°	120.5	127.9	137.0	146.2	155.1	164.7	176.9	189.1	201.1	212.3	221.6
-65°	102.6	107.3	112.5	117.7	123.1	130.4	138.2	145.6	152.6	159.0	164.8
-67.5°	84.3	88.5	92.5	96.3	100.0	104.1	108.6	113.0	117.3	121.0	124.2
-70°	66.7	70.3	73.2	75.8	78.6	81.5	84.6	87.4	89.8	91.7	93.1
-72.5°	51.7	54.1	56.5	59.3	61.5	63.6	65.6	67.4	68.8	69.9	70.6
-75°	40.3	42.4	44.5	46.4	48.2	49.7	51.2	52.6	53.8	54.5	55.0
-77.5°	30.3	31.9	33.4	34.9	36.3	37.5	38.7	39.6	40.5	40.9	41.2
-80°	21.8	22.7	23.7	24.6	25.4	26.3	27.1	27.9	28.7	29.0	29.1
-82.5°	16.9	16.9	17.0	17.1	17.3	17.4	17.6	17.8	18.0	18.3	18.5
-85°	13.8	13.5	13.2	12.9	12.5	12.0	11.4	10.8	10.2	10.2	10.2
-87.5°	9.3	9.2	9.1	8.9	8.6	8.1	7.6	7.0	6.4	5.8	5.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-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°	3.7	2.8	2.8	2.8	2.8	2.8	3.7	4.6	5.5	6.4	7.0
85°	8.7	8.5	8.5	8.5	8.5	8.5	8.7	8.9	9.1	9.3	10.0
82.5°	16.8	16.9	17.0	17.0	17.0	16.9	16.8	16.6	16.4	16.2	15.9
80°	27.0	27.2	27.4	27.4	27.4	27.2	27.0	26.8	26.4	25.9	25.0
77.5°	37.3	37.6	37.3	36.9	37.3	37.6	37.3	37.0	36.5	36.0	35.0
75°	48.6	48.9	49.6	50.1	49.6	48.9	48.6	48.1	47.5	46.8	45.7
72.5°	64.3	64.9	65.6	66.2	65.6	64.9	64.3	63.5	62.5	61.2	59.4
70°	80.3	80.9	81.3	81.4	81.3	80.9	80.3	79.4	78.2	76.6	74.3
67.5°	97.3	97.8	98.2	98.4	98.2	97.8	97.3	96.4	95.2	93.1	90.2
65°	121.0	122.0	122.7	123.0	122.7	122.0	121.0	119.6	117.6	114.4	110.2
62.5°	149.6	151.0	150.3	148.5	150.3	151.0	149.6	147.6	144.9	140.6	135.2
60°	190.0	193.4	194.4	193.9	194.4	193.4	190.0	185.7	180.7	174.2	166.6
57.5°	313.0	343.7	359.1	364.2	359.1	343.7	313.0	282.2	253.3	233.0	214.6
55°	530.3	611.8	663.9	693.4	663.9	611.8	530.3	449.9	375.8	331.7	290.7
52.5°	861.2	1031.0	1154.1	1234.5	1154.1	1031.0	861.2	695.7	555.7	477.0	401.7
50°	1141.5	1343.1	1475.5	1541.9	1475.5	1343.1	1141.5	936.9	767.2	659.2	552.6
47.5°	1272.3	1454.7	1579.5	1643.1	1579.5	1454.7	1272.3	1083.0	939.4	834.5	719.9
45°	1314.0	1462.3	1567.1	1617.6	1567.1	1462.3	1314.0	1156.0	1055.2	968.4	863.9
42.5°	1361.1	1448.8	1500.6	1508.8	1500.6	1448.8	1361.1	1250.7	1166.7	1087.5	1003.0
40°	1530.8	1640.2	1725.2	1761.4	1725.2	1640.2	1530.8	1416.3	1315.3	1202.5	1108.0
37.5°	2141.3	2324.3	2447.2	2469.0	2447.2	2324.3	2141.3	1918.9	1672.3	1396.7	1279.7
35°	3654.2	4031.4	4300.9	4454.5	4300.9	4031.4	3654.2	3181.7	2620.4	2057.8	1760.6
32.5°	3640.7	3560.2	3513.1	3499.1	3513.1	3560.2	3640.7	3774.5	3888.2	3609.4	2886.4
30°	3332.6	3231.9	3108.0	3103.7	3108.0	3231.9	3332.6	3633.0	3607.9	4062.8	4238.8
27.5°	5465.4	5304.0	4891.8	4923.7	4891.8	5304.0	5465.4	5638.2	4902.7	5962.1	5620.5
25°	12735.7	12793.1	12460.6	11461.3	12460.6	12793.1	12735.7	12172.3	11514.4	11482.6	10723.7
22.5°	25289.0	26006.2	27071.6	27295.7	27071.6	26006.2	25289.0	23836.7	22707.5	20925.9	19729.2
20°	42117.9	44115.7	46851.0	47754.0	46851.0	44115.7	42117.9	39000.2	36310.5	32960.4	30216.9
17.5°	63962.2	70387.4	75803.5	75721.4	75803.5	70387.4	63962.2	55880.3	50666.5	45388.3	41179.2
15°	105502.4	132719.6	153422.4	161476.6	153422.4	132719.6	105502.4	77673.1	65417.9	57020.1	51347.1
12.5°	193936.1	273183.9	325882.9	360399.6	325882.9	273183.9	193936.1	130040.2	81183.0	68460.1	60007.6
10°	370217.0	492302.7	556746.4	590543.0	556746.4	492302.7	370217.0	228782.2	131683.3	81720.9	65922.7
7.5°	541027.8	631630.9	674846.5	685338.8	674846.5	631630.9	541027.8	366733.5	195477.0	110450.8	75153.5
5°	631906.7	688101.1	696096.5	697978.7	696096.5	688101.1	631906.7	484524.7	279483.2	141101.5	82642.0
2.5°	666289.8	690294.7	686247.4	684110.0	686247.4	690294.7	666289.8	537827.8	322474.8	155058.8	86967.9
0°	656286.0	686216.6	677088.2	674376.0	677088.2	686216.6	656286.0	518392.6	301767.0	156624.8	90393.3
-2.5°	604068.4	665172.9	669125.9	668661.9	669125.9	665172.9	604068.4	443301.2	244525.4	140500.0	91556.7
-5°	503153.2	600139.4	632501.1	640749.9	632501.1	600139.4	503153.2	319168.6	180201.9	122535.7	90026.2
-7.5°	352015.2	469139.3	527232.0	545251.8	527232.0	469139.3	352015.2	214010.4	134841.4	104821.5	87255.0
-10°	195497.0	289220.1	353586.2	378481.1	353586.2	289220.1	195497.0	134086.0	110794.3	93690.3	85192.7
-12.5°	126689.8	153880.6	179518.2	188948.8	179518.2	153880.6	126689.8	110755.2	96754.6	91054.7	87634.8
-15°	109371.5	117710.6	122865.1	124553.8	122865.1	117710.6	109371.5	100546.1	95128.7	91705.9	89997.1
-17.5°	102431.7	105484.7	107673.9	109643.6	107673.9	105484.7	102431.7	98383.9	96229.4	94075.6	92857.1
-20°	100694.6	102538.4	103413.9	104239.3	103413.9	102538.4	100694.6	99025.3	97393.6	95946.9	93881.6



REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	99459.6	100555.3	101352.2	102232.9	101352.2	100555.3	99459.6	98432.4	96987.0	95408.6	92811.9
-25°	97135.5	97993.5	98643.9	99411.1	98643.9	97993.5	97135.5	96185.5	94816.9	92605.8	89434.0
-27.5°	93495.3	94327.3	94803.4	95434.3	94803.4	94327.3	93495.3	92396.6	90975.0	85546.8	79545.9
-30°	86402.6	88511.5	89738.2	91023.3	89738.2	88511.5	86402.6	83355.1	79313.8	71903.5	62475.0
-32.5°	71979.4	75251.9	77228.9	78302.0	77228.9	75251.9	71979.4	67067.0	60581.0	52900.0	44170.7
-35°	51799.1	54771.4	56612.3	58336.5	56612.3	54771.4	51799.1	47215.2	41203.4	34828.2	29823.6
-37.5°	33575.7	35337.7	36452.6	37234.0	36452.6	35337.7	33575.7	30996.7	27644.5	23700.9	20962.7
-40°	22993.3	24269.5	25080.5	25272.3	25080.5	24269.5	22993.3	21370.4	19545.4	17436.1	15412.4
-42.5°	16494.8	17606.2	18346.5	18565.4	18346.5	17606.2	16494.8	15180.3	13864.5	12421.2	10961.6
-45°	11013.5	11659.6	12047.8	12108.3	12047.8	11659.6	11013.5	10228.9	9352.9	8298.3	7085.7
-47.5°	7000.5	7356.9	7591.5	7702.0	7591.5	7356.9	7000.5	6522.4	5894.0	5134.5	4283.5
-50°	4030.1	4247.4	4400.5	4485.8	4400.5	4247.4	4030.1	3742.6	3372.0	2908.4	2383.9
-52.5°	2105.1	2215.3	2289.1	2326.1	2289.1	2215.3	2105.1	1954.7	1757.9	1503.1	1224.2
-55°	990.2	1053.5	1085.5	1088.8	1085.5	1053.5	990.2	911.2	818.1	697.2	564.4
-57.5°	392.7	390.3	389.0	386.9	389.0	390.3	392.7	390.4	382.5	355.8	325.9
-60°	289.0	292.4	296.0	298.9	296.0	292.4	289.0	283.5	275.6	261.6	244.9
-62.5°	229.7	236.7	240.0	241.2	240.0	236.7	229.7	221.6	212.3	201.1	189.1
-65°	170.1	174.6	176.4	176.9	176.4	174.6	170.1	164.8	159.0	152.6	145.6
-67.5°	126.9	129.1	130.2	130.5	130.2	129.1	126.9	124.2	121.0	117.3	113.0
-70°	94.1	94.8	95.3	95.5	95.3	94.8	94.1	93.1	91.7	89.8	87.4
-72.5°	71.2	71.5	71.8	71.9	71.8	71.5	71.2	70.6	69.9	68.8	67.4
-75°	55.3	55.5	55.7	55.8	55.7	55.5	55.3	55.0	54.5	53.8	52.6
-77.5°	41.3	41.4	41.5	41.6	41.5	41.4	41.3	41.2	40.9	40.5	39.6
-80°	29.2	29.1	29.3	29.3	29.3	29.1	29.2	29.1	29.0	28.7	27.9
-82.5°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.3	18.0	17.8
-85°	10.3	10.3	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.2	10.8
-87.5°	4.5	3.8	3.8	3.8	3.8	3.8	4.5	5.1	5.8	6.4	7.0
-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: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-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°	7.6	8.1	8.6	9.1	9.4	9.8	10.1	10.1	10.2	10.1	10.0
85°	10.6	11.2	11.8	12.4	13.0	13.5	14.1	14.4	14.8	15.1	15.4
82.5°	15.5	15.2	15.1	15.6	16.0	16.5	16.9	17.1	17.2	17.4	17.5
80°	24.0	23.0	22.0	21.6	21.2	21.0	20.8	20.6	20.3	20.2	20.2
77.5°	34.0	32.8	31.5	30.4	29.2	27.9	26.6	25.8	25.4	24.9	24.4
75°	44.4	43.1	41.7	40.3	38.8	37.4	35.7	34.1	32.5	31.0	29.6
72.5°	57.4	55.3	53.1	50.7	48.2	46.1	44.3	42.5	40.5	38.3	36.2
70°	71.9	69.2	66.7	64.0	61.1	58.0	55.3	52.4	49.2	46.4	43.8
67.5°	87.0	83.6	80.6	77.9	74.9	71.5	68.3	65.0	61.5	57.6	53.3
65°	105.5	100.4	95.5	92.0	88.4	84.9	82.0	78.6	74.5	70.0	65.1
62.5°	129.3	123.0	116.8	110.8	104.7	98.6	93.9	90.4	86.7	82.7	77.1
60°	158.0	148.6	141.5	133.8	125.4	117.0	110.7	104.1	97.3	92.8	88.0
57.5°	197.9	185.0	174.2	162.7	150.4	140.4	131.0	121.3	113.1	105.2	97.4
55°	254.2	232.7	215.6	198.7	183.1	170.6	156.1	142.5	131.6	120.3	111.2
52.5°	334.5	302.8	272.7	241.8	221.7	206.3	189.1	172.3	154.1	140.6	127.3
50°	460.3	410.0	357.6	308.8	278.4	249.0	226.8	206.5	185.1	165.2	147.3
47.5°	618.4	548.0	476.8	414.2	361.3	310.0	276.6	243.5	219.5	193.2	171.5
45°	778.3	699.8	614.6	541.9	473.3	408.8	342.9	296.5	258.7	228.0	196.7
42.5°	924.2	849.3	766.4	682.9	605.5	525.6	443.1	369.7	308.9	266.9	232.5
40°	1034.3	962.6	885.7	818.3	734.4	651.5	560.7	462.7	381.5	313.2	271.5
37.5°	1156.3	1035.5	981.8	919.0	842.9	766.8	679.7	576.6	466.9	384.9	319.1
35°	1427.9	1231.3	1107.5	1016.5	940.3	882.2	797.8	690.3	581.3	477.9	380.3
32.5°	2045.5	1759.6	1356.8	1195.3	1080.4	1011.6	920.6	807.9	724.9	603.4	472.7
30°	3894.2	3137.3	2184.8	1588.8	1366.7	1177.6	1057.6	1002.4	901.6	752.2	579.1
27.5°	6497.0	6165.4	4542.0	3038.4	1928.9	1500.4	1331.0	1245.4	1110.7	931.5	729.4
25°	11309.7	10515.7	9468.1	6890.4	3889.1	2118.5	1800.0	1572.8	1370.6	1143.3	921.6
22.5°	18630.2	17631.5	16004.4	12962.6	8091.6	4617.1	2604.5	1966.4	1696.7	1462.4	1168.0
20°	27800.3	25971.1	23702.0	20165.1	14981.9	7914.0	4148.5	2807.8	2292.9	1860.3	1452.1
17.5°	37848.0	34967.6	31688.3	27832.0	22235.3	14372.8	7596.4	4182.3	3056.5	2313.1	1764.6
15°	47325.7	43474.9	39637.7	35246.7	29537.1	21420.3	11414.3	5814.6	4065.2	2916.7	2170.8
12.5°	54761.7	50962.4	47217.0	42428.0	36854.6	28191.5	16922.9	9053.7	5463.4	3823.8	2717.3
10°	60460.5	56807.9	53140.2	48659.4	43144.7	34641.5	22606.9	12146.0	7069.8	4893.1	3307.1
7.5°	64826.3	60903.4	58041.6	54208.6	48891.4	40629.2	27755.7	14898.0	8630.6	6015.6	3917.4
5°	68283.3	64133.0	61795.2	58824.0	54206.1	46162.7	32402.2	17281.4	10113.3	7140.4	4522.9
2.5°	71171.5	66897.1	64908.3	62753.3	58973.8	50730.8	35976.7	19433.5	11474.0	8083.7	5079.9
0°	73955.3	69441.2	67704.4	65938.3	62656.7	53589.7	38030.5	21314.4	12689.1	8884.5	5574.6
-2.5°	76241.1	72053.6	70693.2	69168.2	65906.5	56217.0	39761.8	22449.7	13315.1	9263.2	5893.9
-5°	77773.7	74709.2	73600.9	72106.7	68109.5	57412.8	40089.8	22876.5	13642.1	9431.7	6109.1
-7.5°	79927.4	77696.2	76615.7	74852.8	69507.4	57127.3	38982.3	22488.0	13547.8	9205.1	5967.7
-10°	82332.6	81069.0	79887.0	77319.0	69931.6	55269.2	36505.1	21337.6	13116.9	8795.0	5703.4
-12.5°	85632.1	84357.8	82832.2	79444.3	69138.0	51321.8	32316.7	19302.3	12312.5	8196.5	5310.1
-15°	89050.5	87208.3	84187.9	77452.6	64449.9	45656.3	27257.3	16296.3	11131.8	7417.1	4781.5
-17.5°	90956.9	88567.4	84196.4	73825.3	56761.6	38222.6	23397.8	14690.7	10014.4	6598.9	4147.0
-20°	91510.4	87843.2	78918.0	64996.2	47322.3	29480.8	18779.3	12837.5	8815.2	5785.5	3597.7



REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	89736.3	81485.1	69939.3	53699.3	36433.6	23948.6	15757.8	10956.8	7393.2	4792.7	2956.1
-25°	81679.1	71312.4	57102.9	41150.7	27600.6	18276.9	13176.3	9285.2	6203.5	3855.8	2271.4
-27.5°	68801.2	56532.2	42857.5	29931.2	20632.6	15143.2	10831.4	7473.2	4852.1	3028.7	1797.3
-30°	51831.2	40019.9	30107.0	21727.7	16599.3	12189.4	8568.5	5843.2	3734.7	2213.7	1304.1
-32.5°	34401.5	27923.5	21136.5	17156.7	13143.8	9559.9	6678.7	4254.7	2632.3	1638.6	982.7
-35°	24253.5	20083.0	16492.9	13201.4	9964.9	7247.7	4836.3	3067.8	1866.3	1096.8	696.9
-37.5°	18032.8	15142.7	12438.9	9670.5	7302.8	5138.0	3401.8	2136.2	1192.8	762.5	518.3
-40°	13295.3	11000.9	8908.2	6738.1	4999.3	3426.5	2284.5	1331.9	839.1	504.1	395.7
-42.5°	9285.7	7498.8	5892.5	4441.5	3127.8	2199.2	1381.8	882.3	542.7	388.5	318.4
-45°	5983.0	4774.4	3559.6	2696.3	1846.6	1287.6	824.5	549.8	384.5	313.1	262.1
-47.5°	3563.3	2811.2	2040.5	1494.6	1064.6	694.3	509.7	351.0	305.4	260.0	225.9
-50°	1920.1	1520.6	1119.0	770.9	584.6	413.4	331.6	288.6	251.6	220.7	192.0
-52.5°	947.9	758.0	575.8	407.4	340.9	300.9	263.0	237.0	209.4	186.3	164.7
-55°	421.4	364.5	329.5	293.5	260.6	239.4	216.6	195.0	176.2	156.7	142.8
-57.5°	294.9	268.6	249.7	230.5	211.1	194.0	177.6	161.0	148.1	135.6	124.0
-60°	226.8	208.3	196.4	183.5	169.5	155.4	145.5	135.3	124.9	117.7	110.7
-62.5°	176.9	164.7	155.1	146.2	137.0	127.9	120.5	114.7	108.8	102.6	95.6
-65°	138.2	130.4	123.1	117.7	112.5	107.3	102.6	97.5	91.9	85.8	79.2
-67.5°	108.6	104.1	100.0	96.3	92.5	88.5	84.3	79.6	74.7	69.4	63.3
-70°	84.6	81.5	78.6	75.8	73.2	70.3	66.7	62.7	58.1	54.3	50.8
-72.5°	65.6	63.6	61.5	59.3	56.5	54.1	51.7	49.2	46.5	43.5	40.6
-75°	51.2	49.7	48.2	46.4	44.5	42.4	40.3	38.4	36.4	34.2	31.9
-77.5°	38.7	37.5	36.3	34.9	33.4	31.9	30.3	28.9	27.6	26.4	25.3
-80°	27.1	26.3	25.4	24.6	23.7	22.7	21.8	21.1	20.5	20.1	20.0
-82.5°	17.6	17.4	17.3	17.1	17.0	16.9	16.9	16.9	16.9	16.8	16.7
-85°	11.4	12.0	12.5	12.9	13.2	13.5	13.8	13.9	14.1	14.2	14.4
-87.5°	7.6	8.1	8.6	8.9	9.1	9.2	9.3	9.4	9.4	9.4	9.3
-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: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-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°	9.7	9.4	9.1	8.7	8.2	7.8	7.3	6.8	6.2	5.7	5.0
85°	15.5	15.6	15.7	15.7	15.6	15.6	14.6	13.6	12.5	11.3	10.1
82.5°	17.6	17.7	17.8	17.8	17.7	17.5	17.3	17.1	16.9	16.7	15.1
80°	20.4	20.4	20.4	20.3	19.9	19.4	19.1	18.7	18.3	18.0	17.5
77.5°	24.0	23.6	23.3	23.0	22.4	21.7	21.1	20.4	19.8	19.2	18.7
75°	28.3	27.5	26.8	26.1	25.1	24.1	23.2	22.4	21.5	20.6	19.8
72.5°	34.4	32.7	31.0	29.3	28.1	26.8	25.6	24.3	23.2	22.1	21.0
70°	41.2	38.4	36.1	33.8	31.6	29.6	28.1	26.6	25.0	23.7	22.4
67.5°	48.6	45.5	42.2	38.6	35.8	33.2	30.8	28.9	27.1	25.2	23.7
65°	59.9	54.4	48.8	44.8	40.6	36.9	34.0	31.3	29.1	27.1	25.0
62.5°	71.3	65.2	58.9	51.9	46.3	41.7	37.2	34.2	31.2	28.9	26.5
60°	82.6	75.9	69.2	61.9	53.8	46.8	41.7	36.9	33.7	30.6	28.1
57.5°	91.9	86.2	79.3	71.7	63.4	54.0	46.4	40.7	36.0	32.6	29.6
55°	101.6	94.5	88.6	81.2	72.6	63.0	52.3	45.0	38.7	34.6	31.1
52.5°	115.2	104.6	96.2	89.7	81.4	71.7	60.3	49.2	42.5	36.5	32.8
50°	131.7	117.4	105.6	96.6	89.6	79.6	68.1	55.9	46.2	38.8	34.4
47.5°	151.1	133.2	117.5	104.3	95.7	87.6	75.5	62.6	49.8	42.0	36.1
45°	174.7	151.2	131.3	115.2	101.8	93.9	82.9	69.1	55.6	45.3	37.7
42.5°	200.6	173.6	147.9	125.9	111.3	99.7	90.2	75.7	61.1	48.6	40.0
40°	234.8	199.3	166.4	141.6	121.2	105.5	95.7	82.3	66.4	52.3	42.7
37.5°	270.2	229.5	191.0	157.6	132.2	114.3	100.9	88.7	72.0	57.0	45.4
35°	314.7	262.8	216.3	177.6	147.0	122.9	106.0	94.4	77.7	61.6	48.0
32.5°	360.1	298.8	246.3	200.5	161.7	131.1	112.5	98.9	83.2	65.9	50.5
30°	439.9	341.7	276.1	222.6	178.0	143.8	119.7	103.4	88.4	70.0	53.2
27.5°	544.9	385.7	307.4	247.6	197.4	156.6	126.6	107.7	93.2	74.0	56.5
25°	676.9	471.5	346.8	272.9	215.9	168.4	133.2	111.9	97.1	78.0	59.6
22.5°	857.3	580.0	386.1	297.1	232.3	179.4	141.3	117.4	100.5	81.7	62.5
20°	1051.9	695.9	426.9	321.3	249.7	192.9	150.3	122.5	103.8	85.0	65.2
17.5°	1265.2	848.7	524.7	357.3	267.4	205.2	158.5	127.3	106.8	88.1	67.6
15°	1568.7	1044.9	636.7	395.9	283.6	216.3	165.8	131.6	109.5	90.8	69.7
12.5°	1909.7	1247.4	750.6	435.8	298.2	226.1	172.1	135.4	112.0	93.4	71.5
10°	2267.6	1450.4	863.3	475.8	311.0	234.5	177.6	139.7	115.1	96.0	73.1
7.5°	2629.3	1647.8	971.0	514.2	323.1	243.2	186.2	145.3	118.0	98.3	74.4
5°	2986.5	1850.8	1085.3	567.9	339.4	252.0	194.7	150.7	120.6	100.2	75.4
2.5°	3343.0	2063.9	1196.6	621.0	353.9	259.2	202.4	155.6	122.9	101.9	76.2
0°	3657.1	2251.4	1291.2	667.8	366.1	264.9	209.1	159.9	124.9	103.1	76.6
-2.5°	3828.9	2350.9	1333.9	701.0	382.1	272.4	215.1	163.3	126.1	103.4	76.7
-5°	3935.2	2408.3	1354.4	723.1	394.4	278.3	219.9	165.7	126.8	103.3	76.6
-7.5°	3827.4	2336.3	1326.5	728.7	402.5	282.7	223.2	167.3	127.0	102.7	76.1
-10°	3611.2	2172.1	1239.5	699.8	406.8	283.0	223.9	167.6	126.7	101.7	75.3
-12.5°	3315.9	1972.3	1138.7	665.2	403.9	278.7	217.5	164.4	125.8	100.2	74.2
-15°	2938.5	1738.8	1026.5	626.5	392.4	271.8	209.8	159.2	123.6	98.3	72.8
-17.5°	2478.7	1473.4	905.1	585.3	371.2	262.0	200.7	153.5	121.0	95.9	71.0
-20°	2123.8	1245.1	788.8	542.9	339.5	249.1	190.3	147.1	118.0	93.1	68.9



REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1760.0	1063.9	704.5	504.5	309.0	232.9	178.5	140.3	114.7	89.8	66.5
-25°	1354.5	868.5	612.7	431.7	290.0	218.6	167.7	133.0	111.1	86.1	63.7
-27.5°	1070.0	688.7	519.3	360.4	262.4	203.0	158.6	128.3	106.9	82.0	60.6
-30°	831.5	584.1	436.4	300.6	233.3	185.3	149.3	123.5	101.9	77.9	57.1
-32.5°	620.1	479.6	360.5	267.3	210.1	168.0	139.4	118.3	96.3	73.6	54.5
-35°	510.2	394.1	292.1	232.8	190.2	156.5	130.7	113.0	90.4	69.0	52.1
-37.5°	400.3	322.1	253.6	203.8	170.9	144.7	124.1	106.2	84.0	63.9	49.6
-40°	329.8	266.2	215.9	183.3	156.2	132.7	117.5	98.3	77.6	58.5	46.9
-42.5°	268.0	227.2	190.8	163.7	142.9	125.1	110.4	90.0	71.0	54.4	44.1
-45°	228.9	194.7	169.4	148.9	130.3	117.7	100.8	81.4	64.0	51.0	41.4
-47.5°	194.2	170.9	151.0	134.0	122.2	109.2	90.7	73.2	56.7	47.5	39.0
-50°	168.3	149.9	135.0	123.2	113.7	97.7	80.5	64.7	52.5	43.7	36.4
-52.5°	146.8	132.9	122.4	113.9	101.3	85.8	70.7	56.3	48.1	40.4	33.8
-55°	129.2	119.8	112.4	101.6	88.1	74.4	60.6	51.3	43.6	37.0	31.1
-57.5°	116.3	109.1	99.2	87.6	75.4	62.9	53.2	46.1	39.5	33.6	29.6
-60°	103.6	94.6	84.7	74.0	62.9	53.8	47.4	41.1	35.4	30.4	28.1
-62.5°	87.8	79.5	70.4	60.5	53.2	47.4	41.6	36.2	31.1	28.6	26.5
-65°	72.2	64.4	56.3	51.3	46.1	41.0	36.0	31.2	28.6	26.7	24.9
-67.5°	56.7	52.4	48.1	43.6	39.1	34.6	30.2	28.0	26.5	24.9	23.3
-70°	47.1	43.4	39.8	35.9	32.0	28.6	27.1	25.7	24.4	23.1	21.7
-72.5°	37.9	34.9	31.6	28.4	27.1	25.9	24.6	23.4	22.5	21.4	20.1
-75°	29.4	27.6	26.2	25.1	24.1	23.1	22.3	21.4	20.6	19.6	18.9
-77.5°	24.2	23.3	22.5	22.1	21.4	20.8	20.1	19.4	18.8	18.3	17.8
-80°	19.9	19.8	19.6	19.4	18.9	18.5	18.1	17.7	17.4	17.0	16.6
-82.5°	16.7	16.8	16.9	16.9	16.8	16.6	16.3	16.1	15.9	15.7	14.3
-85°	14.6	14.7	14.7	14.8	14.7	14.6	13.7	12.8	11.7	10.7	9.5
-87.5°	9.1	8.8	8.5	8.1	7.7	7.3	6.9	6.4	5.9	5.3	4.8
-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: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-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°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
85°	8.8	7.4	5.9	4.4	3.0	1.5	0.0
82.5°	13.2	11.0	8.8	6.6	4.4	2.2	0.0
80°	17.1	14.6	11.7	8.8	5.9	3.0	0.0
77.5°	18.1	17.3	14.6	11.0	7.4	3.7	0.0
75°	19.0	18.1	17.1	13.2	8.8	4.4	0.0
72.5°	20.0	18.9	17.7	15.3	10.2	5.1	0.0
70°	20.9	19.7	18.4	17.1	11.6	5.8	0.0
67.5°	22.1	20.4	19.0	17.6	13.0	6.5	0.0
65°	23.2	21.3	19.6	18.0	14.4	7.2	0.0
62.5°	24.3	22.2	20.2	18.5	15.7	7.8	0.0
60°	25.4	23.1	20.8	18.9	17.0	8.5	0.0
57.5°	26.7	24.0	21.5	19.3	17.3	9.1	0.0
55°	28.0	24.8	22.1	19.7	17.6	9.7	0.0
52.5°	29.3	25.7	22.8	20.1	17.8	10.3	0.0
50°	30.5	26.7	23.4	20.5	18.1	10.9	0.0
47.5°	31.8	27.8	24.1	20.9	18.3	11.5	0.0
45°	33.2	28.8	24.7	21.4	18.6	12.0	0.0
42.5°	34.5	29.8	25.2	21.8	18.8	12.5	0.0
40°	35.8	30.7	25.9	22.2	19.0	13.0	0.0
37.5°	37.0	31.6	26.6	22.6	19.2	13.5	0.0
35°	38.2	32.6	27.3	22.9	19.4	13.9	0.0
32.5°	39.7	33.5	28.0	23.3	19.6	14.3	0.0
30°	41.7	34.4	28.6	23.6	19.8	14.7	0.0
27.5°	43.6	35.3	29.1	23.9	19.9	15.1	0.0
25°	45.4	36.1	29.7	24.2	20.1	15.4	0.0
22.5°	47.0	36.8	30.1	24.4	20.2	15.7	0.0
20°	48.6	37.5	30.6	24.6	20.3	16.0	0.0
17.5°	49.9	38.1	30.9	24.8	20.4	16.2	0.0
15°	51.1	38.7	31.3	25.0	20.5	16.4	0.0
12.5°	52.2	39.2	31.6	25.2	20.6	16.6	0.0
10°	53.0	39.6	31.8	25.3	20.7	16.7	0.0
7.5°	53.8	40.0	32.0	25.4	20.7	16.9	0.0
5°	54.3	40.3	32.1	25.4	20.8	16.9	0.0
2.5°	54.7	40.5	32.2	25.5	20.8	17.0	0.0
0°	54.9	40.7	32.2	25.5	20.8	17.0	0.0
-2.5°	54.9	40.8	32.2	25.5	20.8	17.0	0.0
-5°	54.8	40.7	32.1	25.4	20.8	16.9	0.0
-7.5°	54.5	40.6	32.0	25.4	20.7	16.9	0.0
-10°	54.1	40.4	31.8	25.3	20.7	16.7	0.0
-12.5°	53.4	40.1	31.6	25.2	20.6	16.6	0.0
-15°	52.6	39.7	31.3	25.0	20.5	16.4	0.0
-17.5°	51.7	39.2	30.9	24.8	20.4	16.2	0.0
-20°	50.6	38.6	30.6	24.6	20.3	16.0	0.0



REPORT NUMBER: P699930 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-5L-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	49.3	38.0	30.1	24.4	20.2	15.7	0.0
-25°	47.8	37.1	29.7	24.2	20.1	15.4	0.0
-27.5°	46.2	36.2	29.1	23.9	19.9	15.1	0.0
-30°	44.4	35.2	28.6	23.6	19.8	14.7	0.0
-32.5°	42.5	34.0	28.0	23.3	19.6	14.3	0.0
-35°	40.9	32.8	27.3	22.9	19.4	13.9	0.0
-37.5°	39.4	31.6	26.6	22.6	19.2	13.5	0.0
-40°	37.7	30.7	25.9	22.2	19.0	13.0	0.0
-42.5°	35.9	29.8	25.2	21.8	18.8	12.5	0.0
-45°	33.9	28.8	24.6	21.3	18.6	12.0	0.0
-47.5°	31.9	27.8	24.0	20.9	18.3	11.5	0.0
-50°	30.5	26.7	23.3	20.4	18.1	10.9	0.0
-52.5°	29.3	25.7	22.7	20.0	17.8	10.3	0.0
-55°	28.0	24.7	21.9	19.6	17.6	9.7	0.0
-57.5°	26.7	23.8	21.2	19.2	17.3	9.1	0.0
-60°	25.4	22.8	20.4	18.8	17.0	8.5	0.0
-62.5°	24.1	21.8	19.8	18.3	15.7	7.8	0.0
-65°	22.8	20.8	19.2	17.8	14.4	7.2	0.0
-67.5°	21.5	19.8	18.6	17.4	13.0	6.5	0.0
-70°	20.2	19.0	18.0	16.9	11.6	5.8	0.0
-72.5°	19.1	18.2	17.3	15.1	10.2	5.1	0.0
-75°	18.2	17.4	16.7	13.0	8.8	4.4	0.0
-77.5°	17.2	16.6	14.3	10.9	7.4	3.7	0.0
-80°	16.2	14.1	11.4	8.7	5.9	3.0	0.0
-82.5°	12.5	10.6	8.6	6.6	4.4	2.2	0.0
-85°	8.3	7.1	5.7	4.4	3.0	1.5	0.0
-87.5°	4.2	3.5	2.9	2.2	1.5	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)