

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: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-40-80-5L-S**

Issue Date: 8/10/2023

Test Information

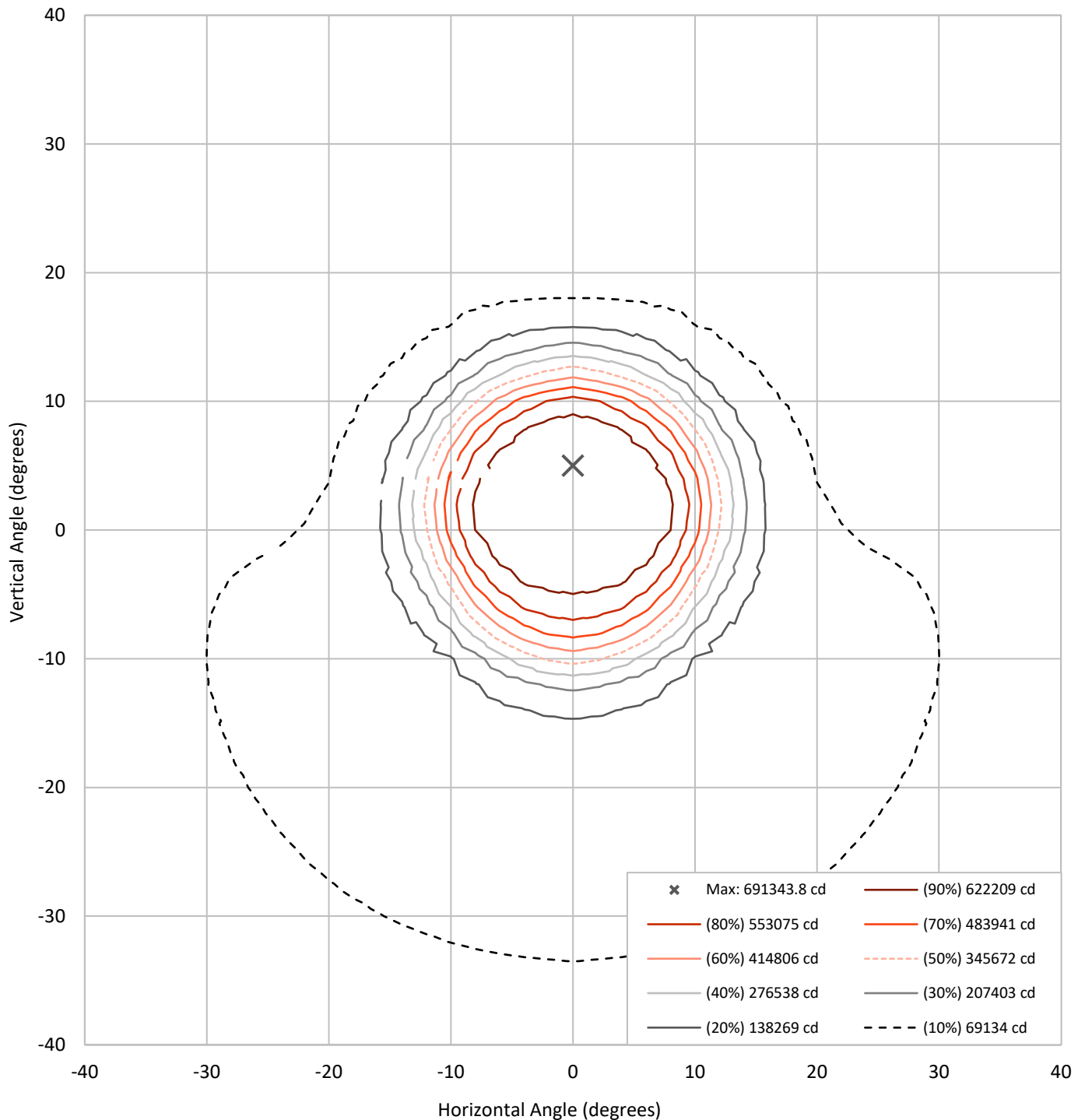
Test Method: LM-79-08
Report Number: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-53)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-40-80-5L-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 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:	163411.3 lumens	Max Intensity:	691343.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	130.1 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:	72520.7 lumens	Field Lumens:	133064.6 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: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

Iso-Candela Plot





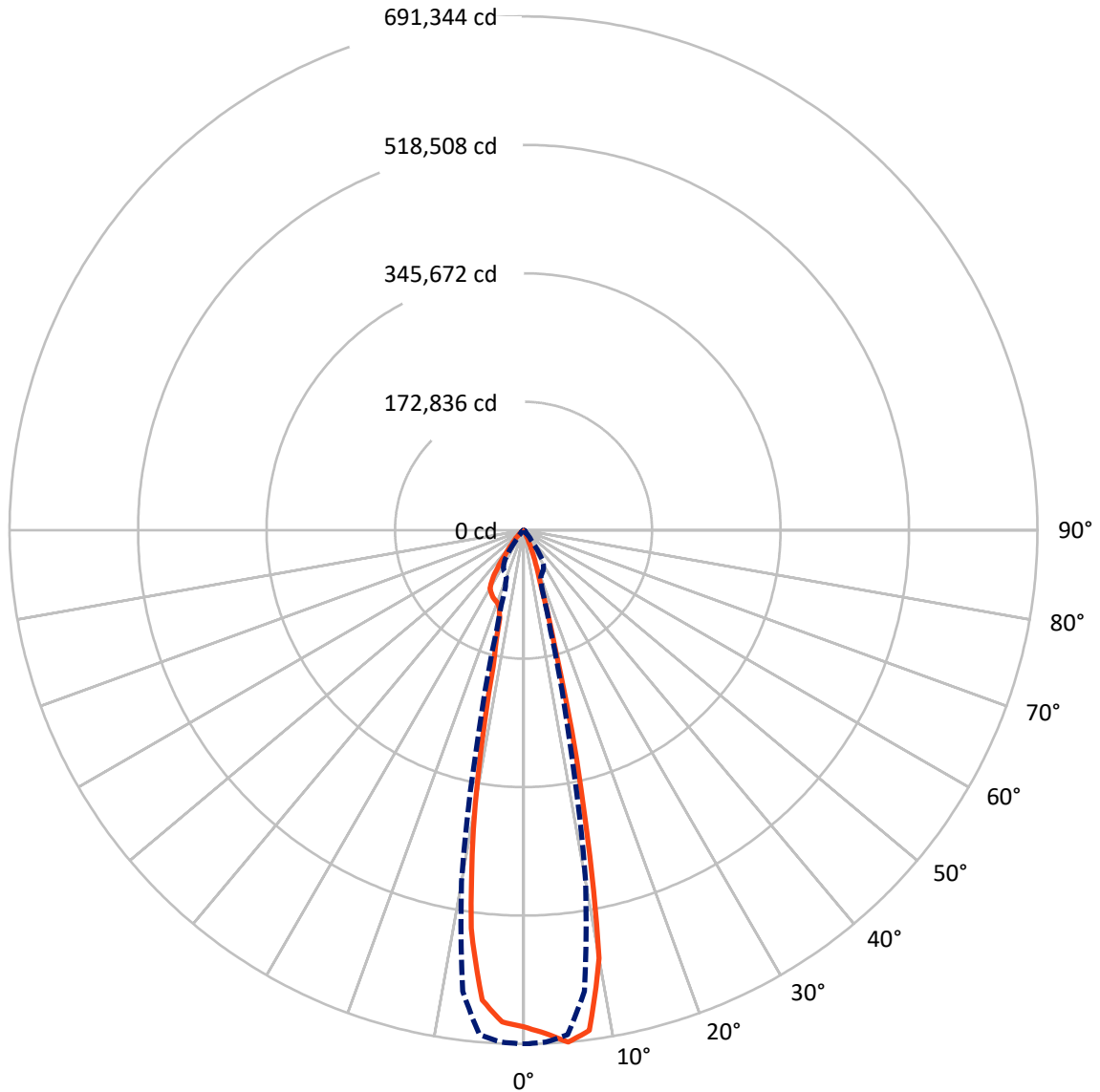
REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

Lumen Table

90	0.3	1.1		2.1		3.2		3.7		3.2		2.1		1.1		0.3
80	0.3	1.1		2.1		3.2		3.7		3.2		2.1		1.1		0.3
70	0.5	0.4	0.8	1.4	2.0	2.7	3.4	3.8	3.8	3.4	2.7	2.0	1.4	0.8	0.4	0.5
60		0.6	1.4	2.4	4.0	6.3	10.8	20.1	20.1	10.8	6.3	4.0	2.4	1.4	0.6	
50	0.7	0.9	2.1	4.4	9.2	17.1	27.9	43.0	43.0	27.9	17.1	9.2	4.4	2.1	0.9	0.7
40		1.2	3.2	8.9	19.8	35.8	69.6	92.0	92.0	69.6	35.8	19.8	8.9	3.2	1.2	
30	1.0	1.5	5.1	20.8	65.3	279.2	413.1	505.6	505.6	413.1	279.2	65.3	20.8	5.1	1.5	1.0
20		1.8	8.7	52.3	358.9	1058.6	1825.8	5311.1	5311.1	1825.8	1058.6	358.9	52.3	8.7	1.8	
10	1.1	2.1	13.7	111.3	789.0	1669.1	5276.8	18502.0	18502.0	5276.8	1669.1	789.0	111.3	13.7	2.1	1.1
0		2.3	16.7	145.6	989.2	2003.9	4431.7	15569.9	15569.9	4431.7	2003.9	989.2	145.6	16.7	2.3	
-10	1.0	2.2	13.5	116.7	787.3	2185.4	2754.8	4211.6	4211.6	2754.8	2185.4	787.3	116.7	13.5	2.2	1.0
-20		1.8	8.3	61.4	374.5	1511.0	2573.4	2908.0	2908.0	2573.4	1511.0	374.5	61.4	8.3	1.8	
-30	0.7	1.5	4.5	20.2	137.3	494.1	1134.5	1644.5	1644.5	1134.5	494.1	137.3	20.2	4.5	1.5	0.7
-40		1.1	2.7	6.3	28.2	116.6	261.2	376.3	376.3	261.2	116.6	28.2	6.3	2.7	1.1	
-50	0.5	0.7	1.7	3.2	5.7	12.8	29.8	43.9	43.9	29.8	12.8	5.7	3.2	1.7	0.7	0.5
-60		0.4	0.9	1.7	2.6	3.5	4.7	5.5	5.5	4.7	3.5	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		0.2	1.1		2.3		3.7		4.2		3.7		2.3			0.2
-90	0.2	1.1		2.3		3.7		4.2		3.7		2.3		1.1		0.2

REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

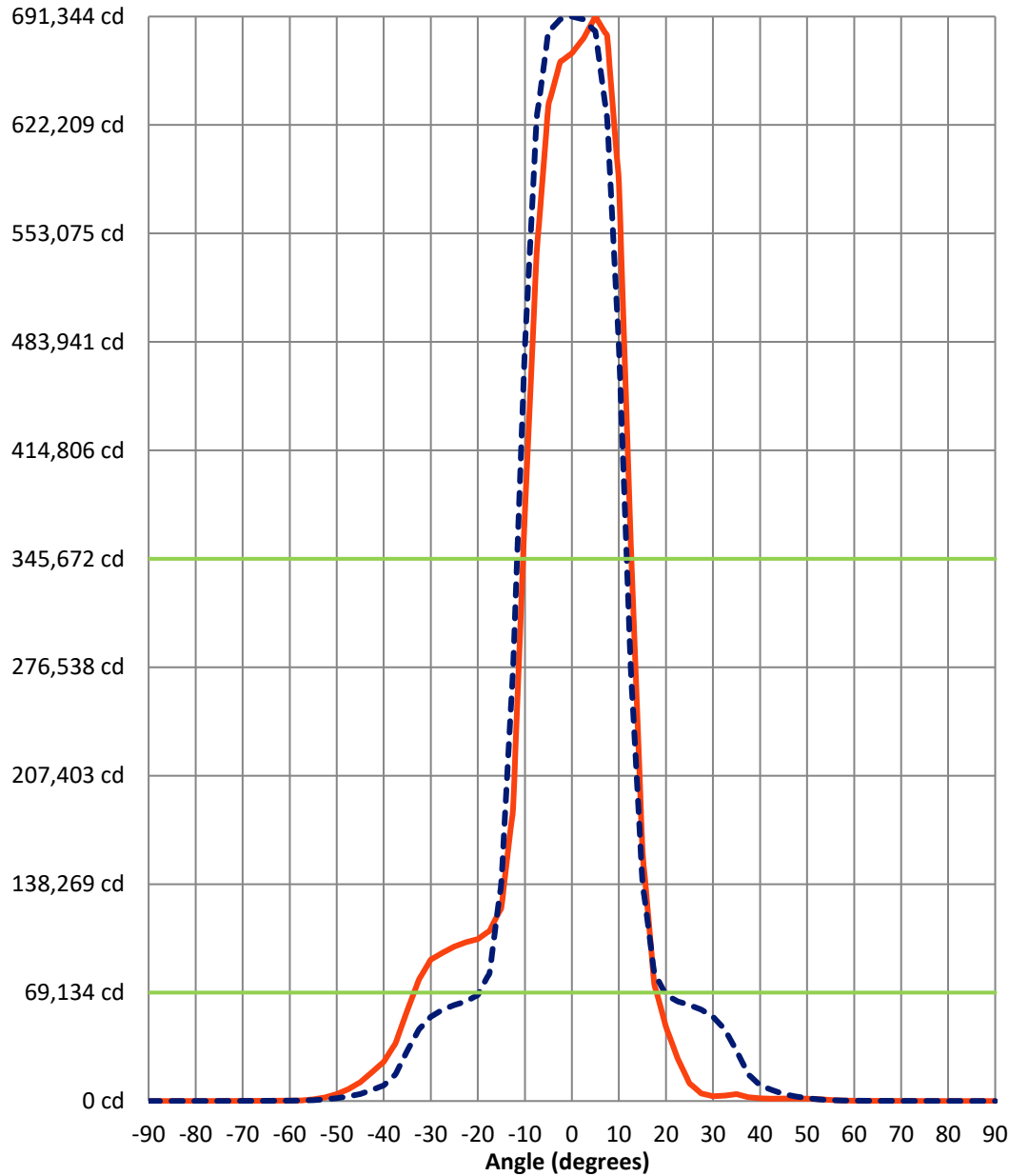
Luminous Intensity Polar Plot



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

REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

Luminous Intensity Plot



Beam:
 H Angle: 23.3°
 V Angle: 23°
 Lumens: 72520.7
 Efficiency: 44.4%

Field:
 H Angle: 39.5°
 V Angle: 51.6°
 Lumens: 133064.6
 Efficiency: 81.4%

Spill:
 Lumens: 30346.8
 Efficiency: 18.6%

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



REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-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	2.9	3.7	4.4	5.0	5.6	6.2	6.7
85°	0.0	1.5	2.9	4.4	5.9	7.3	8.7	10.0	11.2	12.4	13.4
82.5°	0.0	2.2	4.4	6.6	8.8	10.9	13.1	15.0	16.5	16.7	16.9
80°	0.0	2.9	5.9	8.8	11.7	14.6	17.0	17.4	17.8	18.2	18.5
77.5°	0.0	3.7	7.3	10.9	14.6	17.2	18.0	18.5	19.1	19.6	20.2
75°	0.0	4.4	8.7	13.1	17.0	18.0	18.9	19.6	20.4	21.3	22.2
72.5°	0.0	5.1	10.2	15.2	17.6	18.7	19.8	20.8	21.9	23.0	24.1
70°	0.0	5.8	11.5	17.0	18.2	19.5	20.7	22.2	23.5	24.8	26.3
67.5°	0.0	6.5	12.9	17.4	18.8	20.2	21.9	23.5	25.0	26.8	28.6
65°	0.0	7.1	14.3	17.9	19.4	21.1	23.0	24.8	26.8	28.8	31.0
62.5°	0.0	7.8	15.6	18.3	20.0	22.0	24.1	26.3	28.6	30.9	33.9
60°	0.0	8.4	16.9	18.7	20.6	22.9	25.2	27.8	30.3	33.4	36.6
57.5°	0.0	9.1	17.2	19.2	21.3	23.8	26.5	29.3	32.3	35.7	40.4
55°	0.0	9.7	17.4	19.6	21.9	24.6	27.7	30.8	34.3	38.3	44.6
52.5°	0.0	10.3	17.7	19.9	22.6	25.5	29.0	32.5	36.2	42.1	48.7
50°	0.0	10.9	18.0	20.3	23.2	26.5	30.2	34.1	38.5	45.8	55.4
47.5°	0.0	11.4	18.2	20.7	23.9	27.5	31.5	35.8	41.7	49.4	62.0
45°	0.0	11.9	18.4	21.2	24.5	28.5	32.9	37.4	45.0	55.1	68.4
42.5°	0.0	12.5	18.7	21.6	25.0	29.5	34.2	39.6	48.2	60.6	75.0
40°	0.0	12.9	18.9	22.0	25.7	30.4	35.5	42.4	51.9	65.8	81.5
37.5°	0.0	13.4	19.1	22.4	26.4	31.3	36.7	45.0	56.5	71.3	87.8
35°	0.0	13.8	19.3	22.7	27.1	32.3	37.9	47.6	61.0	77.0	93.4
32.5°	0.0	14.3	19.4	23.1	27.7	33.2	39.4	50.1	65.3	82.4	98.0
30°	0.0	14.6	19.6	23.4	28.3	34.1	41.3	52.7	69.3	87.5	102.4
27.5°	0.0	15.0	19.8	23.7	28.9	35.0	43.2	56.0	73.3	92.3	106.7
25°	0.0	15.3	19.9	24.0	29.4	35.8	45.0	59.1	77.3	96.2	110.9
22.5°	0.0	15.6	20.0	24.2	29.9	36.5	46.6	61.9	80.9	99.6	116.3
20°	0.0	15.9	20.2	24.4	30.3	37.2	48.2	64.6	84.2	102.8	121.4
17.5°	0.0	16.1	20.3	24.6	30.7	37.8	49.5	66.9	87.3	105.7	126.0
15°	0.0	16.3	20.3	24.8	31.0	38.4	50.7	69.0	89.9	108.4	130.3
12.5°	0.0	16.5	20.4	25.0	31.3	38.9	51.7	70.9	92.5	110.9	134.2
10°	0.0	16.6	20.5	25.1	31.5	39.3	52.5	72.4	95.1	113.9	138.4
7.5°	0.0	16.8	20.5	25.2	31.7	39.6	53.2	73.7	97.3	116.8	144.0
5°	0.0	16.8	20.6	25.2	31.8	39.9	53.7	74.7	99.3	119.4	149.2
2.5°	0.0	16.9	20.6	25.3	31.9	40.2	54.1	75.5	100.9	121.8	154.1
0°	0.0	16.9	20.6	25.3	31.9	40.3	54.3	75.9	102.1	123.7	158.3
-2.5°	0.0	16.9	20.6	25.3	31.9	40.4	54.4	76.0	102.4	124.8	161.7
-5°	0.0	16.8	20.6	25.2	31.8	40.3	54.2	75.9	102.3	125.6	164.2
-7.5°	0.0	16.8	20.5	25.2	31.7	40.2	54.0	75.4	101.7	125.8	165.7
-10°	0.0	16.6	20.5	25.1	31.5	40.0	53.5	74.7	100.7	125.5	166.1
-12.5°	0.0	16.5	20.4	25.0	31.3	39.7	52.9	73.6	99.3	124.5	162.9
-15°	0.0	16.3	20.3	24.8	31.0	39.3	52.2	72.2	97.4	122.4	157.8
-17.5°	0.0	16.1	20.3	24.6	30.7	38.9	51.2	70.4	95.0	119.8	152.0
-20°	0.0	15.9	20.2	24.4	30.3	38.3	50.1	68.3	92.2	116.9	145.7



REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.6	20.0	24.2	29.9	37.6	48.8	65.9	89.0	113.6	138.9
-25°	0.0	15.3	19.9	24.0	29.4	36.8	47.4	63.1	85.3	110.0	131.7
-27.5°	0.0	15.0	19.8	23.7	28.9	35.9	45.8	60.0	81.2	105.9	127.0
-30°	0.0	14.6	19.6	23.4	28.3	34.8	44.0	56.6	77.2	100.9	122.2
-32.5°	0.0	14.3	19.4	23.1	27.7	33.7	42.1	54.0	72.9	95.4	117.2
-35°	0.0	13.8	19.3	22.7	27.1	32.5	40.5	51.6	68.3	89.5	111.9
-37.5°	0.0	13.4	19.1	22.4	26.4	31.3	39.0	49.1	63.3	83.1	105.1
-40°	0.0	12.9	18.9	22.0	25.7	30.4	37.3	46.4	57.9	76.9	97.4
-42.5°	0.0	12.5	18.7	21.6	25.0	29.5	35.5	43.6	53.9	70.3	89.2
-45°	0.0	11.9	18.4	21.1	24.4	28.5	33.6	41.0	50.5	63.3	80.7
-47.5°	0.0	11.4	18.2	20.7	23.8	27.5	31.6	38.6	47.0	56.1	72.5
-50°	0.0	10.9	18.0	20.3	23.1	26.5	30.2	36.1	43.3	51.9	64.1
-52.5°	0.0	10.3	17.7	19.9	22.5	25.5	29.0	33.4	40.0	47.6	55.7
-55°	0.0	9.7	17.4	19.4	21.7	24.5	27.7	30.8	36.7	43.2	50.8
-57.5°	0.0	9.1	17.2	19.0	21.0	23.6	26.5	29.3	33.3	39.1	45.7
-60°	0.0	8.4	16.9	18.6	20.2	22.6	25.2	27.8	30.1	35.0	40.7
-62.5°	0.0	7.8	15.6	18.2	19.7	21.6	23.9	26.3	28.3	30.8	35.9
-65°	0.0	7.1	14.3	17.7	19.0	20.6	22.6	24.7	26.5	28.3	30.9
-67.5°	0.0	6.5	12.9	17.2	18.4	19.6	21.3	23.1	24.7	26.2	27.8
-70°	0.0	5.8	11.5	16.8	17.8	18.9	20.0	21.5	22.9	24.2	25.5
-72.5°	0.0	5.1	10.2	15.0	17.2	18.1	18.9	19.9	21.2	22.3	23.2
-75°	0.0	4.4	8.7	12.9	16.5	17.3	18.0	18.7	19.4	20.4	21.2
-77.5°	0.0	3.7	7.3	10.8	14.1	16.5	17.0	17.6	18.1	18.6	19.2
-80°	0.0	2.9	5.9	8.7	11.3	13.9	16.0	16.4	16.8	17.2	17.6
-82.5°	0.0	2.2	4.4	6.5	8.5	10.5	12.3	14.1	15.6	15.8	16.0
-85°	0.0	1.5	2.9	4.3	5.7	7.0	8.2	9.4	10.6	11.6	12.7
-87.5°	0.0	0.7	1.5	2.2	2.8	3.5	4.1	4.7	5.3	5.8	6.3
-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: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-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°	7.2	7.7	8.2	8.6	9.0	9.4	9.7	10.0	10.0	10.1	10.1
85°	14.5	15.4	15.5	15.6	15.5	15.5	15.4	15.3	15.0	14.7	14.3
82.5°	17.1	17.3	17.5	17.7	17.7	17.6	17.5	17.4	17.2	17.1	16.9
80°	18.9	19.2	19.7	20.1	20.2	20.3	20.2	20.1	20.0	20.1	20.4
77.5°	20.9	21.5	22.2	22.8	23.1	23.4	23.8	24.2	24.7	25.2	25.6
75°	23.0	23.9	24.8	25.8	26.6	27.3	28.1	29.4	30.8	32.2	33.8
72.5°	25.3	26.6	27.8	29.0	30.7	32.4	34.1	35.8	37.9	40.1	42.1
70°	27.8	29.3	31.3	33.5	35.8	38.1	40.8	43.4	46.0	48.7	51.9
67.5°	30.5	32.9	35.5	38.3	41.8	45.0	48.2	52.8	57.1	60.9	64.4
65°	33.7	36.6	40.3	44.3	48.3	53.9	59.3	64.4	69.4	73.8	77.8
62.5°	36.9	41.3	45.9	51.4	58.3	64.5	70.6	76.4	82.0	85.9	89.5
60°	41.3	46.4	53.3	61.3	68.5	75.2	81.8	87.2	91.9	96.4	103.2
57.5°	46.0	53.4	62.7	71.0	78.6	85.4	91.0	96.5	104.3	112.1	120.2
55°	51.8	62.4	71.9	80.5	87.8	93.7	100.7	110.2	119.2	130.4	141.1
52.5°	59.7	71.0	80.6	88.9	95.3	103.6	114.2	126.1	139.3	152.7	170.6
50°	67.4	78.9	88.8	95.7	104.6	116.3	130.6	146.0	163.6	183.3	204.5
47.5°	74.8	86.8	94.8	103.3	116.4	132.0	149.7	169.9	191.3	217.4	241.2
45°	82.1	93.1	100.8	114.1	130.1	149.9	173.0	194.8	225.8	256.3	293.6
42.5°	89.4	98.7	110.2	124.7	146.6	172.0	198.7	230.3	264.4	306.0	366.1
40°	94.8	104.5	120.1	140.2	164.9	197.3	232.6	269.0	310.2	377.9	458.3
37.5°	99.9	113.2	131.0	156.1	189.2	227.3	267.7	316.1	381.2	462.4	571.0
35°	105.0	121.7	145.6	176.0	214.2	260.3	311.7	376.7	473.4	575.7	683.7
32.5°	111.5	129.9	160.2	198.5	244.0	295.9	356.6	468.2	597.7	718.0	800.2
30°	118.5	142.4	176.3	220.4	273.5	338.4	435.7	573.6	745.1	893.0	992.9
27.5°	125.4	155.1	195.5	245.2	304.5	382.0	539.7	722.5	922.7	1100.2	1233.6
25°	131.9	166.8	213.8	270.3	343.5	466.9	670.4	912.9	1132.5	1357.6	1557.8
22.5°	139.9	177.6	230.0	294.2	382.4	574.4	849.1	1156.9	1448.4	1680.6	1947.7
20°	148.9	191.0	247.3	318.2	422.8	689.2	1041.9	1438.3	1842.6	2271.1	2781.1
17.5°	157.0	203.3	264.8	353.9	519.6	840.6	1253.2	1747.8	2291.1	3027.5	4142.6
15°	164.2	214.2	280.9	392.1	630.6	1034.9	1553.8	2150.1	2889.0	4026.6	5759.4
12.5°	170.5	224.0	295.4	431.7	743.5	1235.5	1891.5	2691.4	3787.4	5411.5	8967.6
10°	175.8	232.3	308.1	471.3	855.0	1436.6	2246.1	3275.7	4846.6	7002.6	12030.5
7.5°	184.4	240.9	320.1	509.3	961.7	1632.1	2604.3	3880.2	5958.5	8548.6	14756.3
5°	192.8	249.7	336.2	562.5	1074.9	1833.2	2958.1	4479.9	7072.6	10017.1	17117.1
2.5°	200.5	256.8	350.6	615.1	1185.2	2044.3	3311.2	5031.6	8006.8	11364.9	19248.7
0°	207.1	262.4	362.6	661.5	1279.0	2230.0	3622.3	5521.6	8800.0	12568.5	21111.8
-2.5°	213.1	269.8	378.4	694.4	1321.3	2328.6	3792.5	5837.9	9175.1	13188.5	22236.3
-5°	217.8	275.7	390.7	716.3	1341.6	2385.4	3897.7	6051.1	9342.0	13512.4	22659.0
-7.5°	221.1	280.1	398.7	721.9	1313.9	2314.1	3791.0	5910.9	9117.6	13419.0	22274.2
-10°	221.8	280.4	402.9	693.2	1227.8	2151.4	3576.8	5649.1	8711.4	12992.2	21134.7
-12.5°	215.5	276.1	400.1	658.9	1127.9	1953.6	3284.4	5259.6	8118.6	12195.5	19118.8
-15°	207.8	269.2	388.6	620.6	1016.7	1722.3	2910.6	4736.1	7346.6	11026.0	16141.3
-17.5°	198.8	259.5	367.7	579.7	896.5	1459.4	2455.1	4107.7	6536.2	9919.2	14551.0
-20°	188.5	246.7	336.3	537.7	781.3	1233.3	2103.6	3563.6	5730.5	8731.4	12715.5



REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	176.8	230.7	306.1	499.7	697.8	1053.8	1743.3	2928.0	4747.2	7322.9	10852.7
-25°	166.1	216.6	287.2	427.6	606.9	860.2	1341.7	2249.8	3819.2	6144.5	9197.0
-27.5°	157.1	201.1	259.9	356.9	514.3	682.2	1059.9	1780.2	2999.9	4806.0	7402.1
-30°	147.8	183.5	231.1	297.7	432.2	578.5	823.7	1291.7	2192.6	3699.2	5787.6
-32.5°	138.1	166.4	208.1	264.8	357.1	475.0	614.2	973.4	1623.0	2607.3	4214.2
-35°	129.4	155.0	188.4	230.6	289.3	390.3	505.3	690.2	1086.4	1848.6	3038.7
-37.5°	122.9	143.3	169.2	201.8	251.1	319.0	396.4	513.3	755.2	1181.5	2115.9
-40°	116.3	131.4	154.7	181.5	213.8	263.6	326.7	391.9	499.3	831.1	1319.2
-42.5°	109.3	123.9	141.5	162.1	189.0	225.0	265.5	315.3	384.9	537.5	873.9
-45°	99.8	116.5	129.0	147.4	167.8	192.8	226.7	259.6	310.1	380.9	544.5
-47.5°	89.9	108.2	121.0	132.6	149.6	169.3	192.4	223.7	257.5	302.6	347.7
-50°	79.7	96.8	112.5	122.0	133.7	148.5	166.7	190.1	218.6	249.2	285.9
-52.5°	70.0	85.0	100.4	112.8	121.2	131.7	145.5	163.1	184.5	207.4	234.8
-55°	59.9	73.7	87.3	100.6	111.3	118.7	128.0	141.5	155.2	174.5	193.1
-57.5°	52.6	62.3	74.7	86.8	98.3	108.1	115.2	122.8	134.3	146.6	159.5
-60°	47.0	53.3	62.3	73.3	83.9	93.7	102.6	109.7	116.6	123.7	134.0
-62.5°	41.2	47.0	52.6	59.9	69.7	78.7	87.0	94.6	101.6	107.7	113.7
-65°	35.6	40.6	45.7	50.8	55.7	63.7	71.4	78.4	84.9	91.0	96.6
-67.5°	29.9	34.3	38.7	43.2	47.6	51.9	56.1	62.7	68.6	73.9	78.8
-70°	26.9	28.3	31.7	35.6	39.4	43.0	46.6	50.2	53.8	57.6	62.1
-72.5°	24.4	25.6	26.9	28.1	31.2	34.6	37.6	40.2	43.0	46.0	48.7
-75°	22.1	22.9	23.9	24.9	26.0	27.3	29.0	31.6	33.9	36.0	38.0
-77.5°	19.9	20.6	21.2	21.9	22.3	23.0	23.9	25.0	26.1	27.3	28.6
-80°	17.9	18.3	18.7	19.2	19.4	19.6	19.7	19.8	19.9	20.3	20.9
-82.5°	16.2	16.4	16.6	16.8	16.8	16.7	16.5	16.5	16.6	16.7	16.7
-85°	13.6	14.5	14.6	14.7	14.6	14.5	14.4	14.3	14.1	13.9	13.8
-87.5°	6.8	7.3	7.7	8.1	8.4	8.7	9.0	9.3	9.3	9.3	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: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-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°	10.0	9.7	9.4	9.0	8.5	8.0	7.5	7.0	6.4	5.5	4.6
85°	14.0	13.4	12.9	12.3	11.7	11.1	10.5	9.9	9.2	9.0	8.8
82.5°	16.7	16.3	15.9	15.4	14.9	15.1	15.4	15.7	16.1	16.3	16.5
80°	20.6	20.8	21.0	21.4	21.8	22.8	23.8	24.8	25.7	26.2	26.6
77.5°	26.4	27.6	28.9	30.1	31.2	32.4	33.7	34.7	35.7	36.3	36.7
75°	35.4	37.0	38.4	39.9	41.3	42.7	44.0	45.2	46.3	47.1	47.7
72.5°	43.8	45.6	47.8	50.3	52.6	54.8	56.9	58.8	60.7	62.0	62.9
70°	54.8	57.5	60.5	63.4	66.1	68.6	71.2	73.6	75.9	77.5	78.6
67.5°	67.7	70.8	74.2	77.2	79.9	82.8	86.2	89.3	92.3	94.3	95.5
65°	81.2	84.0	87.6	91.1	94.6	99.5	104.5	109.2	113.3	116.4	118.4
62.5°	93.0	97.7	103.7	109.8	115.7	121.8	128.1	133.9	139.2	143.5	146.2
60°	109.7	115.9	124.2	132.5	140.2	147.2	156.5	165.1	172.6	178.9	184.0
57.5°	129.8	139.0	149.0	161.1	172.6	183.3	196.0	212.5	230.8	250.9	279.5
55°	154.7	168.9	181.3	196.8	213.5	230.5	251.8	287.9	328.6	372.3	445.7
52.5°	187.3	204.3	219.6	239.5	270.1	299.9	331.3	397.9	472.4	550.4	689.2
50°	224.6	246.6	275.7	305.8	354.2	406.1	455.9	547.3	653.0	759.9	928.0
47.5°	273.9	307.0	357.8	410.2	472.2	542.7	612.5	713.0	826.5	930.4	1072.7
45°	339.5	404.9	468.8	536.8	608.7	693.2	770.9	855.7	959.1	1045.2	1145.0
42.5°	438.9	520.6	599.8	676.4	759.1	841.2	915.4	993.5	1077.2	1155.6	1238.8
40°	555.4	645.3	727.4	810.5	877.2	953.5	1024.5	1097.4	1191.1	1302.7	1402.8
37.5°	673.2	759.5	834.8	910.3	972.5	1025.7	1145.3	1267.5	1383.3	1656.4	1900.7
35°	790.2	873.8	931.3	1006.8	1096.9	1219.6	1414.3	1743.8	2038.2	2595.4	3151.5
32.5°	911.8	1002.0	1070.1	1184.0	1343.8	1742.8	2026.1	2858.9	3575.1	3851.3	3738.6
30°	1047.6	1166.4	1353.7	1573.7	2164.0	3107.4	3857.2	4198.5	4024.2	3573.6	3598.5
27.5°	1318.3	1486.1	1910.6	3009.5	4498.8	6106.8	6435.2	5567.1	5905.5	4856.1	5584.6
25°	1782.8	2098.4	3852.2	6824.9	9378.1	10415.7	11202.2	10621.8	11373.5	11404.9	12056.5
22.5°	2579.7	4573.2	8014.7	12839.4	15852.3	17463.9	18453.1	19541.6	20727.0	22491.7	23610.1
20°	4109.1	7838.8	14839.5	19973.4	23476.7	25724.3	27536.0	29929.6	32647.0	35965.4	38629.5
17.5°	7524.1	14236.2	22024.0	27567.5	31387.1	34635.2	37488.1	40787.7	44956.8	50184.9	55349.1
15°	11305.8	21216.7	29256.4	34911.7	39260.9	43061.6	46875.7	50859.0	56478.0	64796.1	76934.8
12.5°	16762.0	27923.5	36504.3	42024.7	46768.2	50478.0	54241.1	59437.2	67809.3	80411.3	128804.1
10°	22392.0	34312.1	42734.5	48196.8	52635.1	56267.9	59885.7	65296.1	80944.1	130431.6	226607.4
7.5°	27491.9	40243.0	48426.6	53693.3	57489.8	60324.5	64210.1	74439.2	109400.9	193618.9	363247.4
5°	32094.2	45723.9	53690.8	58264.8	61207.8	63523.4	67634.2	81856.4	139760.3	276826.4	479918.8
2.5°	35634.7	50248.5	58413.2	62156.8	64291.3	66261.2	70495.0	86141.3	153584.8	319409.3	532715.3
0°	37669.0	53080.3	62061.1	65311.5	67060.8	68781.1	73252.3	89534.0	155135.9	298898.4	513464.9
-2.5°	39383.9	55682.5	65279.9	68510.6	70021.1	71368.6	75516.4	90686.4	139164.4	242201.0	439087.3
-5°	39708.7	56867.0	67462.0	71421.2	72901.2	73998.9	77034.4	89170.4	121370.9	178489.0	316134.7
-7.5°	38611.7	56584.2	68846.6	74141.2	75887.4	76957.6	79167.7	86425.6	103825.0	133559.6	211976.1
-10°	36158.1	54743.8	69266.8	76584.0	79127.6	80298.4	81550.0	84382.9	92799.6	109741.1	132811.3
-12.5°	32009.4	50834.0	68480.8	78689.1	82044.8	83555.9	84818.1	86801.8	90189.1	95834.8	109702.4
-15°	26998.1	45222.2	63837.3	76716.4	83387.6	86379.3	88203.9	89141.6	90834.1	94224.4	99590.4
-17.5°	23175.3	37859.3	56222.0	73123.6	83396.0	87725.4	90092.2	91974.4	93181.3	95314.6	97448.6
-20°	18600.8	29200.5	46872.4	64378.4	78167.8	87008.2	90640.4	92989.1	95034.8	96467.8	98083.9



REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15608.0	23720.9	36087.2	53188.8	69274.5	80710.5	88883.3	91929.6	94501.6	96065.1	97496.8
-25°	13051.0	18103.1	27338.2	40759.5	56560.1	70634.5	80902.7	88583.9	91725.5	93915.6	95271.2
-27.5°	10728.4	14999.3	20436.5	29646.7	42450.1	55994.7	68147.2	78789.8	84733.7	90110.2	91518.2
-30°	8487.1	12073.5	16441.5	21521.1	29820.8	39639.4	51338.4	61881.1	71220.0	78559.8	82562.7
-32.5°	6615.2	9469.1	13018.9	16993.7	20935.6	27658.1	34074.5	43750.8	52397.1	60005.1	66429.5
-35°	4790.3	7178.8	9870.3	13075.9	16336.1	19892.1	24022.9	29540.1	34497.2	40811.7	46766.3
-37.5°	3369.5	5089.1	7233.4	9578.6	12320.7	14998.8	17861.3	20763.5	23475.6	27381.7	30702.0
-40°	2262.8	3394.0	4951.8	6674.0	8823.6	10896.3	13168.9	15265.8	17270.4	19359.6	21167.2
-42.5°	1368.6	2178.3	3098.1	4399.4	5836.5	7427.5	9197.4	10857.4	12303.1	13732.8	15036.0
-45°	816.6	1275.3	1829.0	2670.7	3525.8	4729.0	5926.1	7018.3	8219.4	9263.9	10131.7
-47.5°	504.8	687.7	1054.5	1480.4	2021.1	2784.5	3529.4	4242.8	5085.7	5838.0	6460.3
-50°	328.4	409.5	579.0	763.6	1108.4	1506.1	1901.9	2361.3	2880.7	3340.0	3707.1
-52.5°	260.6	298.1	337.6	403.5	570.3	750.8	938.9	1212.6	1488.8	1741.3	1936.1
-55°	214.6	237.1	258.1	290.7	326.4	361.1	417.4	559.1	690.5	810.3	902.5
-57.5°	175.9	192.1	209.0	228.3	247.4	266.1	292.1	322.8	352.4	378.9	386.6
-60°	144.1	153.9	167.9	181.8	194.5	206.3	224.6	242.6	259.1	273.0	280.8
-62.5°	119.4	126.7	135.7	144.8	153.6	163.1	175.1	187.2	199.2	210.2	219.5
-65°	101.7	106.4	111.5	116.6	121.9	129.1	136.8	144.2	151.1	157.5	163.3
-67.5°	83.5	87.7	91.7	95.4	99.1	103.1	107.6	112.0	116.2	119.9	123.0
-70°	66.1	69.6	72.5	75.1	77.8	80.8	83.8	86.6	88.9	90.8	92.2
-72.5°	51.2	53.6	56.0	58.7	60.9	63.0	65.0	66.7	68.2	69.2	69.9
-75°	39.9	42.0	44.1	46.0	47.7	49.3	50.7	52.0	53.2	54.0	54.5
-77.5°	30.0	31.6	33.1	34.5	35.9	37.2	38.3	39.3	40.1	40.5	40.8
-80°	21.5	22.5	23.4	24.3	25.1	26.0	26.8	27.7	28.4	28.7	28.9
-82.5°	16.7	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.8	18.1	18.3
-85°	13.6	13.4	13.1	12.7	12.4	11.9	11.3	10.7	10.1	10.1	10.1
-87.5°	9.2	9.1	8.9	8.7	8.5	8.0	7.5	7.0	6.4	5.7	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: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-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°	8.6	8.4	8.4	8.4	8.4	8.4	8.6	8.8	9.0	9.2	9.9
82.5°	16.7	16.8	16.9	16.9	16.9	16.8	16.7	16.5	16.3	16.1	15.7
80°	26.8	27.0	27.2	27.2	27.2	27.0	26.8	26.6	26.2	25.7	24.8
77.5°	37.1	37.3	37.0	36.5	37.0	37.3	37.1	36.7	36.3	35.7	34.7
75°	48.1	48.4	49.1	49.7	49.1	48.4	48.1	47.7	47.1	46.3	45.2
72.5°	63.7	64.3	65.0	65.6	65.0	64.3	63.7	62.9	62.0	60.7	58.8
70°	79.5	80.1	80.5	80.6	80.5	80.1	79.5	78.6	77.5	75.9	73.6
67.5°	96.3	96.8	97.2	97.4	97.2	96.8	96.3	95.5	94.3	92.3	89.3
65°	119.9	120.9	121.6	121.8	121.6	120.9	119.9	118.4	116.4	113.3	109.2
62.5°	148.2	149.6	148.9	147.1	148.9	149.6	148.2	146.2	143.5	139.2	133.9
60°	188.2	191.6	192.6	192.1	192.6	191.6	188.2	184.0	178.9	172.6	165.1
57.5°	310.0	340.4	355.6	360.7	355.6	340.4	310.0	279.5	250.9	230.8	212.5
55°	525.3	606.0	657.6	686.8	657.6	606.0	525.3	445.7	372.3	328.6	287.9
52.5°	853.0	1021.2	1143.1	1222.7	1143.1	1021.2	853.0	689.2	550.4	472.4	397.9
50°	1130.7	1330.3	1461.5	1527.3	1461.5	1330.3	1130.7	928.0	759.9	653.0	547.3
47.5°	1260.2	1440.9	1564.5	1627.5	1564.5	1440.9	1260.2	1072.7	930.4	826.5	713.0
45°	1301.5	1448.4	1552.1	1602.2	1552.1	1448.4	1301.5	1145.0	1045.2	959.1	855.7
42.5°	1348.1	1434.9	1486.3	1494.5	1486.3	1434.9	1348.1	1238.8	1155.6	1077.2	993.5
40°	1516.2	1624.6	1708.8	1744.6	1708.8	1624.6	1516.2	1402.8	1302.7	1191.1	1097.4
37.5°	2121.0	2302.3	2424.0	2445.5	2424.0	2302.3	2121.0	1900.7	1656.4	1383.3	1267.5
35°	3619.5	3993.1	4260.0	4412.2	4260.0	3993.1	3619.5	3151.5	2595.4	2038.2	1743.8
32.5°	3606.1	3526.4	3479.7	3465.8	3479.7	3526.4	3606.1	3738.6	3851.3	3575.1	2858.9
30°	3300.9	3201.2	3078.4	3074.2	3078.4	3201.2	3300.9	3598.5	3573.6	4024.2	4198.5
27.5°	5413.5	5253.6	4845.3	4876.9	4845.3	5253.6	5413.5	5584.6	4856.1	5905.5	5567.1
25°	12614.6	12671.5	12342.2	11352.3	12342.2	12671.5	12614.6	12056.5	11404.9	11373.5	10621.8
22.5°	25048.6	25759.0	26814.3	27036.3	26814.3	25759.0	25048.6	23610.1	22491.7	20727.0	19541.6
20°	41717.6	43696.4	46405.6	47300.1	46405.6	43696.4	41717.6	38629.5	35965.4	32647.0	29929.6
17.5°	63354.2	69718.3	75082.9	75001.6	75082.9	69718.3	63354.2	55349.1	50184.9	44956.8	40787.7
15°	104499.5	131457.9	151963.9	159941.6	151963.9	131457.9	104499.5	76934.8	64796.1	56478.0	50859.0
12.5°	192092.6	270587.1	322785.1	356973.7	322785.1	270587.1	192092.6	128804.1	80411.3	67809.3	59437.2
10°	366697.8	487622.9	551454.0	584929.4	551454.0	487622.9	366697.8	226607.4	130431.6	80944.1	65296.1
7.5°	535884.8	625626.7	668431.5	678824.1	668431.5	625626.7	535884.8	363247.4	193618.9	109400.9	74439.2
5°	625899.8	681560.0	689479.5	691343.8	689479.5	681560.0	625899.8	479918.8	276826.4	139760.3	81856.4
2.5°	659956.1	683732.9	679724.0	677607.0	679724.0	683732.9	659956.1	532715.3	319409.3	153584.8	86141.3
0°	650047.4	679693.6	670651.8	667965.5	670651.8	679693.6	650047.4	513464.9	298898.4	155135.9	89534.0
-2.5°	598326.2	658849.8	662765.3	662305.7	662765.3	658849.8	598326.2	439087.3	242201.0	139164.4	90686.4
-5°	498370.3	594434.6	626488.6	634659.1	626488.6	594434.6	498370.3	316134.7	178489.0	121370.9	89170.4
-7.5°	348669.0	464679.8	522220.2	540068.7	522220.2	464679.8	348669.0	211976.1	133559.6	103825.0	86425.6
-10°	193638.6	286470.8	350225.1	374883.3	350225.1	286470.8	193638.6	132811.3	109741.1	92799.6	84382.9
-12.5°	125485.5	152417.8	177811.8	187152.6	177811.8	152417.8	125485.5	109702.4	95834.8	90189.1	86801.8
-15°	108331.9	116591.7	121697.2	123369.8	121697.2	116591.7	108331.9	99590.4	94224.4	90834.1	89141.6
-17.5°	101458.0	104482.1	106650.3	108601.3	106650.3	104482.1	101458.0	97448.6	95314.6	93181.3	91974.4
-20°	99737.4	101563.7	102430.9	103248.4	102430.9	101563.7	99737.4	98083.9	96467.8	95034.8	92989.1



REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	98514.2	99599.4	100388.7	101261.1	100388.7	99599.4	98514.2	97496.8	96065.1	94501.6	91929.6
-25°	96212.1	97062.0	97706.3	98466.1	97706.3	97062.0	96212.1	95271.2	93915.6	91725.5	88583.9
-27.5°	92606.6	93430.6	93902.2	94527.1	93902.2	93430.6	92606.6	91518.2	90110.2	84733.7	78789.8
-30°	85581.3	87670.1	88885.1	90158.0	88885.1	87670.1	85581.3	82562.7	78559.8	71220.0	61881.1
-32.5°	71295.1	74536.6	76494.8	77557.6	76494.8	74536.6	71295.1	66429.5	60005.1	52397.1	43750.8
-35°	51306.7	54250.7	56074.1	57782.0	56074.1	54250.7	51306.7	46766.3	40811.7	34497.2	29540.1
-37.5°	33256.5	35001.7	36106.1	36880.1	36106.1	35001.7	33256.5	30702.0	27381.7	23475.6	20763.5
-40°	22774.7	24038.8	24842.1	25032.1	24842.1	24038.8	22774.7	21167.2	19359.6	17270.4	15265.8
-42.5°	16338.0	17438.8	18172.1	18389.0	18172.1	17438.8	16338.0	15036.0	13732.8	12303.1	10857.4
-45°	10908.8	11548.8	11933.3	11993.2	11933.3	11548.8	10908.8	10131.7	9263.9	8219.4	7018.3
-47.5°	6933.9	7286.9	7519.4	7628.8	7519.4	7286.9	6933.9	6460.3	5838.0	5085.7	4242.8
-50°	3991.8	4207.0	4358.6	4443.1	4358.6	4207.0	3991.8	3707.1	3340.0	2880.7	2361.3
-52.5°	2085.1	2194.3	2267.4	2304.0	2267.4	2194.3	2085.1	1936.1	1741.3	1488.8	1212.6
-55°	980.8	1043.5	1075.2	1078.5	1075.2	1043.5	980.8	902.5	810.3	690.5	559.1
-57.5°	388.9	386.6	385.2	383.2	385.2	386.6	388.9	386.6	378.9	352.4	322.8
-60°	286.3	289.7	293.2	296.1	293.2	289.7	286.3	280.8	273.0	259.1	242.6
-62.5°	227.5	234.4	237.7	238.9	237.7	234.4	227.5	219.5	210.2	199.2	187.2
-65°	168.4	172.9	174.7	175.2	174.7	172.9	168.4	163.3	157.5	151.1	144.2
-67.5°	125.7	127.9	129.0	129.3	129.0	127.9	125.7	123.0	119.9	116.2	112.0
-70°	93.2	93.9	94.4	94.6	94.4	93.9	93.2	92.2	90.8	88.9	86.6
-72.5°	70.5	70.8	71.1	71.2	71.1	70.8	70.5	69.9	69.2	68.2	66.7
-75°	54.8	55.0	55.2	55.3	55.2	55.0	54.8	54.5	54.0	53.2	52.0
-77.5°	40.9	41.0	41.1	41.2	41.1	41.0	40.9	40.8	40.5	40.1	39.3
-80°	28.9	28.8	29.0	29.0	29.0	28.8	28.9	28.9	28.7	28.4	27.7
-82.5°	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.3	18.1	17.8	17.6
-85°	10.2	10.2	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.1	10.7
-87.5°	4.4	3.7	3.7	3.7	3.7	3.7	4.4	5.1	5.7	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: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-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°	7.5	8.0	8.5	9.0	9.4	9.7	10.0	10.1	10.1	10.0	10.0
85°	10.5	11.1	11.7	12.3	12.9	13.4	14.0	14.3	14.7	15.0	15.3
82.5°	15.4	15.1	14.9	15.4	15.9	16.3	16.7	16.9	17.1	17.2	17.4
80°	23.8	22.8	21.8	21.4	21.0	20.8	20.6	20.4	20.1	20.0	20.1
77.5°	33.7	32.4	31.2	30.1	28.9	27.6	26.4	25.6	25.2	24.7	24.2
75°	44.0	42.7	41.3	39.9	38.4	37.0	35.4	33.8	32.2	30.8	29.4
72.5°	56.9	54.8	52.6	50.3	47.8	45.6	43.8	42.1	40.1	37.9	35.8
70°	71.2	68.6	66.1	63.4	60.5	57.5	54.8	51.9	48.7	46.0	43.4
67.5°	86.2	82.8	79.9	77.2	74.2	70.8	67.7	64.4	60.9	57.1	52.8
65°	104.5	99.5	94.6	91.1	87.6	84.0	81.2	77.8	73.8	69.4	64.4
62.5°	128.1	121.8	115.7	109.8	103.7	97.7	93.0	89.5	85.9	82.0	76.4
60°	156.5	147.2	140.2	132.5	124.2	115.9	109.7	103.2	96.4	91.9	87.2
57.5°	196.0	183.3	172.6	161.1	149.0	139.0	129.8	120.2	112.1	104.3	96.5
55°	251.8	230.5	213.5	196.8	181.3	168.9	154.7	141.1	130.4	119.2	110.2
52.5°	331.3	299.9	270.1	239.5	219.6	204.3	187.3	170.6	152.7	139.3	126.1
50°	455.9	406.1	354.2	305.8	275.7	246.6	224.6	204.5	183.3	163.6	146.0
47.5°	612.5	542.7	472.2	410.2	357.8	307.0	273.9	241.2	217.4	191.3	169.9
45°	770.9	693.2	608.7	536.8	468.8	404.9	339.5	293.6	256.3	225.8	194.8
42.5°	915.4	841.2	759.1	676.4	599.8	520.6	438.9	366.1	306.0	264.4	230.3
40°	1024.5	953.5	877.2	810.5	727.4	645.3	555.4	458.3	377.9	310.2	269.0
37.5°	1145.3	1025.7	972.5	910.3	834.8	759.5	673.2	571.0	462.4	381.2	316.1
35°	1414.3	1219.6	1096.9	1006.8	931.3	873.8	790.2	683.7	575.7	473.4	376.7
32.5°	2026.1	1742.8	1343.8	1184.0	1070.1	1002.0	911.8	800.2	718.0	597.7	468.2
30°	3857.2	3107.4	2164.0	1573.7	1353.7	1166.4	1047.6	992.9	893.0	745.1	573.6
27.5°	6435.2	6106.8	4498.8	3009.5	1910.6	1486.1	1318.3	1233.6	1100.2	922.7	722.5
25°	11202.2	10415.7	9378.1	6824.9	3852.2	2098.4	1782.8	1557.8	1357.6	1132.5	912.9
22.5°	18453.1	17463.9	15852.3	12839.4	8014.7	4573.2	2579.7	1947.7	1680.6	1448.4	1156.9
20°	27536.0	25724.3	23476.7	19973.4	14839.5	7838.8	4109.1	2781.1	2271.1	1842.6	1438.3
17.5°	37488.1	34635.2	31387.1	27567.5	22024.0	14236.2	7524.1	4142.6	3027.5	2291.1	1747.8
15°	46875.7	43061.6	39260.9	34911.7	29256.4	21216.7	11305.8	5759.4	4026.6	2889.0	2150.1
12.5°	54241.1	50478.0	46768.2	42024.7	36504.3	27923.5	16762.0	8967.6	5411.5	3787.4	2691.4
10°	59885.7	56267.9	52635.1	48196.8	42734.5	34312.1	22392.0	12030.5	7002.6	4846.6	3275.7
7.5°	64210.1	60324.5	57489.8	53693.3	48426.6	40243.0	27491.9	14756.3	8548.6	5958.5	3880.2
5°	67634.2	63523.4	61207.8	58264.8	53690.8	45723.9	32094.2	17117.1	10017.1	7072.6	4479.9
2.5°	70495.0	66261.2	64291.3	62156.8	58413.2	50248.5	35634.7	19248.7	11364.9	8006.8	5031.6
0°	73252.3	68781.1	67060.8	65311.5	62061.1	53080.3	37669.0	21111.8	12568.5	8800.0	5521.6
-2.5°	75516.4	71368.6	70021.1	68510.6	65279.9	55682.5	39383.9	22236.3	13188.5	9175.1	5837.9
-5°	77034.4	73998.9	72901.2	71421.2	67462.0	56867.0	39708.7	22659.0	13512.4	9342.0	6051.1
-7.5°	79167.7	76957.6	75887.4	74141.2	68846.6	56584.2	38611.7	22274.2	13419.0	9117.6	5910.9
-10°	81550.0	80298.4	79127.6	76584.0	69266.8	54743.8	36158.1	21134.7	12992.2	8711.4	5649.1
-12.5°	84818.1	83555.9	82044.8	78689.1	68480.8	50834.0	32009.4	19118.8	12195.5	8118.6	5259.6
-15°	88203.9	86379.3	83387.6	76716.4	63837.3	45222.2	26998.1	16141.3	11026.0	7346.6	4736.1
-17.5°	90092.2	87725.4	83396.0	73123.6	56222.0	37859.3	23175.3	14551.0	9919.2	6536.2	4107.7
-20°	90640.4	87008.2	78167.8	64378.4	46872.4	29200.5	18600.8	12715.5	8731.4	5730.5	3563.6



REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	88883.3	80710.5	69274.5	53188.8	36087.2	23720.9	15608.0	10852.7	7322.9	4747.2	2928.0
-25°	80902.7	70634.5	56560.1	40759.5	27338.2	18103.1	13051.0	9197.0	6144.5	3819.2	2249.8
-27.5°	68147.2	55994.7	42450.1	29646.7	20436.5	14999.3	10728.4	7402.1	4806.0	2999.9	1780.2
-30°	51338.4	39639.4	29820.8	21521.1	16441.5	12073.5	8487.1	5787.6	3699.2	2192.6	1291.7
-32.5°	34074.5	27658.1	20935.6	16993.7	13018.9	9469.1	6615.2	4214.2	2607.3	1623.0	973.4
-35°	24022.9	19892.1	16336.1	13075.9	9870.3	7178.8	4790.3	3038.7	1848.6	1086.4	690.2
-37.5°	17861.3	14998.8	12320.7	9578.6	7233.4	5089.1	3369.5	2115.9	1181.5	755.2	513.3
-40°	13168.9	10896.3	8823.6	6674.0	4951.8	3394.0	2262.8	1319.2	831.1	499.3	391.9
-42.5°	9197.4	7427.5	5836.5	4399.4	3098.1	2178.3	1368.6	873.9	537.5	384.9	315.3
-45°	5926.1	4729.0	3525.8	2670.7	1829.0	1275.3	816.6	544.5	380.9	310.1	259.6
-47.5°	3529.4	2784.5	2021.1	1480.4	1054.5	687.7	504.8	347.7	302.6	257.5	223.7
-50°	1901.9	1506.1	1108.4	763.6	579.0	409.5	328.4	285.9	249.2	218.6	190.1
-52.5°	938.9	750.8	570.3	403.5	337.6	298.1	260.6	234.8	207.4	184.5	163.1
-55°	417.4	361.1	326.4	290.7	258.1	237.1	214.6	193.1	174.5	155.2	141.5
-57.5°	292.1	266.1	247.4	228.3	209.0	192.1	175.9	159.5	146.6	134.3	122.8
-60°	224.6	206.3	194.5	181.8	167.9	153.9	144.1	134.0	123.7	116.6	109.7
-62.5°	175.1	163.1	153.6	144.8	135.7	126.7	119.4	113.7	107.7	101.6	94.6
-65°	136.8	129.1	121.9	116.6	111.5	106.4	101.7	96.6	91.0	84.9	78.4
-67.5°	107.6	103.1	99.1	95.4	91.7	87.7	83.5	78.8	73.9	68.6	62.7
-70°	83.8	80.8	77.8	75.1	72.5	69.6	66.1	62.1	57.6	53.8	50.2
-72.5°	65.0	63.0	60.9	58.7	56.0	53.6	51.2	48.7	46.0	43.0	40.2
-75°	50.7	49.3	47.7	46.0	44.1	42.0	39.9	38.0	36.0	33.9	31.6
-77.5°	38.3	37.2	35.9	34.5	33.1	31.6	30.0	28.6	27.3	26.1	25.0
-80°	26.8	26.0	25.1	24.3	23.4	22.5	21.5	20.9	20.3	19.9	19.8
-82.5°	17.4	17.3	17.1	17.0	16.8	16.7	16.7	16.7	16.7	16.6	16.5
-85°	11.3	11.9	12.4	12.7	13.1	13.4	13.6	13.8	13.9	14.1	14.3
-87.5°	7.5	8.0	8.5	8.7	8.9	9.1	9.2	9.3	9.3	9.3	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: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-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	9.0	8.6	8.2	7.7	7.2	6.7	6.2	5.6	5.0
85°	15.4	15.5	15.5	15.6	15.5	15.4	14.5	13.4	12.4	11.2	10.0
82.5°	17.5	17.6	17.7	17.7	17.5	17.3	17.1	16.9	16.7	16.5	15.0
80°	20.2	20.3	20.2	20.1	19.7	19.2	18.9	18.5	18.2	17.8	17.4
77.5°	23.8	23.4	23.1	22.8	22.2	21.5	20.9	20.2	19.6	19.1	18.5
75°	28.1	27.3	26.6	25.8	24.8	23.9	23.0	22.2	21.3	20.4	19.6
72.5°	34.1	32.4	30.7	29.0	27.8	26.6	25.3	24.1	23.0	21.9	20.8
70°	40.8	38.1	35.8	33.5	31.3	29.3	27.8	26.3	24.8	23.5	22.2
67.5°	48.2	45.0	41.8	38.3	35.5	32.9	30.5	28.6	26.8	25.0	23.5
65°	59.3	53.9	48.3	44.3	40.3	36.6	33.7	31.0	28.8	26.8	24.8
62.5°	70.6	64.5	58.3	51.4	45.9	41.3	36.9	33.9	30.9	28.6	26.3
60°	81.8	75.2	68.5	61.3	53.3	46.4	41.3	36.6	33.4	30.3	27.8
57.5°	91.0	85.4	78.6	71.0	62.7	53.4	46.0	40.4	35.7	32.3	29.3
55°	100.7	93.7	87.8	80.5	71.9	62.4	51.8	44.6	38.3	34.3	30.8
52.5°	114.2	103.6	95.3	88.9	80.6	71.0	59.7	48.7	42.1	36.2	32.5
50°	130.6	116.3	104.6	95.7	88.8	78.9	67.4	55.4	45.8	38.5	34.1
47.5°	149.7	132.0	116.4	103.3	94.8	86.8	74.8	62.0	49.4	41.7	35.8
45°	173.0	149.9	130.1	114.1	100.8	93.1	82.1	68.4	55.1	45.0	37.4
42.5°	198.7	172.0	146.6	124.7	110.2	98.7	89.4	75.0	60.6	48.2	39.6
40°	232.6	197.3	164.9	140.2	120.1	104.5	94.8	81.5	65.8	51.9	42.4
37.5°	267.7	227.3	189.2	156.1	131.0	113.2	99.9	87.8	71.3	56.5	45.0
35°	311.7	260.3	214.2	176.0	145.6	121.7	105.0	93.4	77.0	61.0	47.6
32.5°	356.6	295.9	244.0	198.5	160.2	129.9	111.5	98.0	82.4	65.3	50.1
30°	435.7	338.4	273.5	220.4	176.3	142.4	118.5	102.4	87.5	69.3	52.7
27.5°	539.7	382.0	304.5	245.2	195.5	155.1	125.4	106.7	92.3	73.3	56.0
25°	670.4	466.9	343.5	270.3	213.8	166.8	131.9	110.9	96.2	77.3	59.1
22.5°	849.1	574.4	382.4	294.2	230.0	177.6	139.9	116.3	99.6	80.9	61.9
20°	1041.9	689.2	422.8	318.2	247.3	191.0	148.9	121.4	102.8	84.2	64.6
17.5°	1253.2	840.6	519.6	353.9	264.8	203.3	157.0	126.0	105.7	87.3	66.9
15°	1553.8	1034.9	630.6	392.1	280.9	214.2	164.2	130.3	108.4	89.9	69.0
12.5°	1891.5	1235.5	743.5	431.7	295.4	224.0	170.5	134.2	110.9	92.5	70.9
10°	2246.1	1436.6	855.0	471.3	308.1	232.3	175.8	138.4	113.9	95.1	72.4
7.5°	2604.3	1632.1	961.7	509.3	320.1	240.9	184.4	144.0	116.8	97.3	73.7
5°	2958.1	1833.2	1074.9	562.5	336.2	249.7	192.8	149.2	119.4	99.3	74.7
2.5°	3311.2	2044.3	1185.2	615.1	350.6	256.8	200.5	154.1	121.8	100.9	75.5
0°	3622.3	2230.0	1279.0	661.5	362.6	262.4	207.1	158.3	123.7	102.1	75.9
-2.5°	3792.5	2328.6	1321.3	694.4	378.4	269.8	213.1	161.7	124.8	102.4	76.0
-5°	3897.7	2385.4	1341.6	716.3	390.7	275.7	217.8	164.2	125.6	102.3	75.9
-7.5°	3791.0	2314.1	1313.9	721.9	398.7	280.1	221.1	165.7	125.8	101.7	75.4
-10°	3576.8	2151.4	1227.8	693.2	402.9	280.4	221.8	166.1	125.5	100.7	74.7
-12.5°	3284.4	1953.6	1127.9	658.9	400.1	276.1	215.5	162.9	124.5	99.3	73.6
-15°	2910.6	1722.3	1016.7	620.6	388.6	269.2	207.8	157.8	122.4	97.4	72.2
-17.5°	2455.1	1459.4	896.5	579.7	367.7	259.5	198.8	152.0	119.8	95.0	70.4
-20°	2103.6	1233.3	781.3	537.7	336.3	246.7	188.5	145.7	116.9	92.2	68.3



REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1743.3	1053.8	697.8	499.7	306.1	230.7	176.8	138.9	113.6	89.0	65.9
-25°	1341.7	860.2	606.9	427.6	287.2	216.6	166.1	131.7	110.0	85.3	63.1
-27.5°	1059.9	682.2	514.3	356.9	259.9	201.1	157.1	127.0	105.9	81.2	60.0
-30°	823.7	578.5	432.2	297.7	231.1	183.5	147.8	122.2	100.9	77.2	56.6
-32.5°	614.2	475.0	357.1	264.8	208.1	166.4	138.1	117.2	95.4	72.9	54.0
-35°	505.3	390.3	289.3	230.6	188.4	155.0	129.4	111.9	89.5	68.3	51.6
-37.5°	396.4	319.0	251.1	201.8	169.2	143.3	122.9	105.1	83.1	63.3	49.1
-40°	326.7	263.6	213.8	181.5	154.7	131.4	116.3	97.4	76.9	57.9	46.4
-42.5°	265.5	225.0	189.0	162.1	141.5	123.9	109.3	89.2	70.3	53.9	43.6
-45°	226.7	192.8	167.8	147.4	129.0	116.5	99.8	80.7	63.3	50.5	41.0
-47.5°	192.4	169.3	149.6	132.6	121.0	108.2	89.9	72.5	56.1	47.0	38.6
-50°	166.7	148.5	133.7	122.0	112.5	96.8	79.7	64.1	51.9	43.3	36.1
-52.5°	145.5	131.7	121.2	112.8	100.4	85.0	70.0	55.7	47.6	40.0	33.4
-55°	128.0	118.7	111.3	100.6	87.3	73.7	59.9	50.8	43.2	36.7	30.8
-57.5°	115.2	108.1	98.3	86.8	74.7	62.3	52.6	45.7	39.1	33.3	29.3
-60°	102.6	93.7	83.9	73.3	62.3	53.3	47.0	40.7	35.0	30.1	27.8
-62.5°	87.0	78.7	69.7	59.9	52.6	47.0	41.2	35.9	30.8	28.3	26.3
-65°	71.4	63.7	55.7	50.8	45.7	40.6	35.6	30.9	28.3	26.5	24.7
-67.5°	56.1	51.9	47.6	43.2	38.7	34.3	29.9	27.8	26.2	24.7	23.1
-70°	46.6	43.0	39.4	35.6	31.7	28.3	26.9	25.5	24.2	22.9	21.5
-72.5°	37.6	34.6	31.2	28.1	26.9	25.6	24.4	23.2	22.3	21.2	19.9
-75°	29.0	27.3	26.0	24.9	23.9	22.9	22.1	21.2	20.4	19.4	18.7
-77.5°	23.9	23.0	22.3	21.9	21.2	20.6	19.9	19.2	18.6	18.1	17.6
-80°	19.7	19.6	19.4	19.2	18.7	18.3	17.9	17.6	17.2	16.8	16.4
-82.5°	16.5	16.7	16.8	16.8	16.6	16.4	16.2	16.0	15.8	15.6	14.1
-85°	14.4	14.5	14.6	14.7	14.6	14.5	13.6	12.7	11.6	10.6	9.4
-87.5°	9.0	8.7	8.4	8.1	7.7	7.3	6.8	6.3	5.8	5.3	4.7
-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: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-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	2.9	2.2	1.5	0.7	0.0
85°	8.7	7.3	5.9	4.4	2.9	1.5	0.0
82.5°	13.1	10.9	8.8	6.6	4.4	2.2	0.0
80°	17.0	14.6	11.7	8.8	5.9	2.9	0.0
77.5°	18.0	17.2	14.6	10.9	7.3	3.7	0.0
75°	18.9	18.0	17.0	13.1	8.7	4.4	0.0
72.5°	19.8	18.7	17.6	15.2	10.2	5.1	0.0
70°	20.7	19.5	18.2	17.0	11.5	5.8	0.0
67.5°	21.9	20.2	18.8	17.4	12.9	6.5	0.0
65°	23.0	21.1	19.4	17.9	14.3	7.1	0.0
62.5°	24.1	22.0	20.0	18.3	15.6	7.8	0.0
60°	25.2	22.9	20.6	18.7	16.9	8.4	0.0
57.5°	26.5	23.8	21.3	19.2	17.2	9.1	0.0
55°	27.7	24.6	21.9	19.6	17.4	9.7	0.0
52.5°	29.0	25.5	22.6	19.9	17.7	10.3	0.0
50°	30.2	26.5	23.2	20.3	18.0	10.9	0.0
47.5°	31.5	27.5	23.9	20.7	18.2	11.4	0.0
45°	32.9	28.5	24.5	21.2	18.4	11.9	0.0
42.5°	34.2	29.5	25.0	21.6	18.7	12.5	0.0
40°	35.5	30.4	25.7	22.0	18.9	12.9	0.0
37.5°	36.7	31.3	26.4	22.4	19.1	13.4	0.0
35°	37.9	32.3	27.1	22.7	19.3	13.8	0.0
32.5°	39.4	33.2	27.7	23.1	19.4	14.3	0.0
30°	41.3	34.1	28.3	23.4	19.6	14.6	0.0
27.5°	43.2	35.0	28.9	23.7	19.8	15.0	0.0
25°	45.0	35.8	29.4	24.0	19.9	15.3	0.0
22.5°	46.6	36.5	29.9	24.2	20.0	15.6	0.0
20°	48.2	37.2	30.3	24.4	20.2	15.9	0.0
17.5°	49.5	37.8	30.7	24.6	20.3	16.1	0.0
15°	50.7	38.4	31.0	24.8	20.3	16.3	0.0
12.5°	51.7	38.9	31.3	25.0	20.4	16.5	0.0
10°	52.5	39.3	31.5	25.1	20.5	16.6	0.0
7.5°	53.2	39.6	31.7	25.2	20.5	16.8	0.0
5°	53.7	39.9	31.8	25.2	20.6	16.8	0.0
2.5°	54.1	40.2	31.9	25.3	20.6	16.9	0.0
0°	54.3	40.3	31.9	25.3	20.6	16.9	0.0
-2.5°	54.4	40.4	31.9	25.3	20.6	16.9	0.0
-5°	54.2	40.3	31.8	25.2	20.6	16.8	0.0
-7.5°	54.0	40.2	31.7	25.2	20.5	16.8	0.0
-10°	53.5	40.0	31.5	25.1	20.5	16.6	0.0
-12.5°	52.9	39.7	31.3	25.0	20.4	16.5	0.0
-15°	52.2	39.3	31.0	24.8	20.3	16.3	0.0
-17.5°	51.2	38.9	30.7	24.6	20.3	16.1	0.0
-20°	50.1	38.3	30.3	24.4	20.2	15.9	0.0



REPORT NUMBER: P699878 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-5L-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	48.8	37.6	29.9	24.2	20.0	15.6	0.0
-25°	47.4	36.8	29.4	24.0	19.9	15.3	0.0
-27.5°	45.8	35.9	28.9	23.7	19.8	15.0	0.0
-30°	44.0	34.8	28.3	23.4	19.6	14.6	0.0
-32.5°	42.1	33.7	27.7	23.1	19.4	14.3	0.0
-35°	40.5	32.5	27.1	22.7	19.3	13.8	0.0
-37.5°	39.0	31.3	26.4	22.4	19.1	13.4	0.0
-40°	37.3	30.4	25.7	22.0	18.9	12.9	0.0
-42.5°	35.5	29.5	25.0	21.6	18.7	12.5	0.0
-45°	33.6	28.5	24.4	21.1	18.4	11.9	0.0
-47.5°	31.6	27.5	23.8	20.7	18.2	11.4	0.0
-50°	30.2	26.5	23.1	20.3	18.0	10.9	0.0
-52.5°	29.0	25.5	22.5	19.9	17.7	10.3	0.0
-55°	27.7	24.5	21.7	19.4	17.4	9.7	0.0
-57.5°	26.5	23.6	21.0	19.0	17.2	9.1	0.0
-60°	25.2	22.6	20.2	18.6	16.9	8.4	0.0
-62.5°	23.9	21.6	19.7	18.2	15.6	7.8	0.0
-65°	22.6	20.6	19.0	17.7	14.3	7.1	0.0
-67.5°	21.3	19.6	18.4	17.2	12.9	6.5	0.0
-70°	20.0	18.9	17.8	16.8	11.5	5.8	0.0
-72.5°	18.9	18.1	17.2	15.0	10.2	5.1	0.0
-75°	18.0	17.3	16.5	12.9	8.7	4.4	0.0
-77.5°	17.0	16.5	14.1	10.8	7.3	3.7	0.0
-80°	16.0	13.9	11.3	8.7	5.9	2.9	0.0
-82.5°	12.3	10.5	8.5	6.5	4.4	2.2	0.0
-85°	8.2	7.0	5.7	4.3	2.9	1.5	0.0
-87.5°	4.1	3.5	2.8	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)