

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: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-40-70-5S-S**

Issue Date: 8/10/2023

Test Information

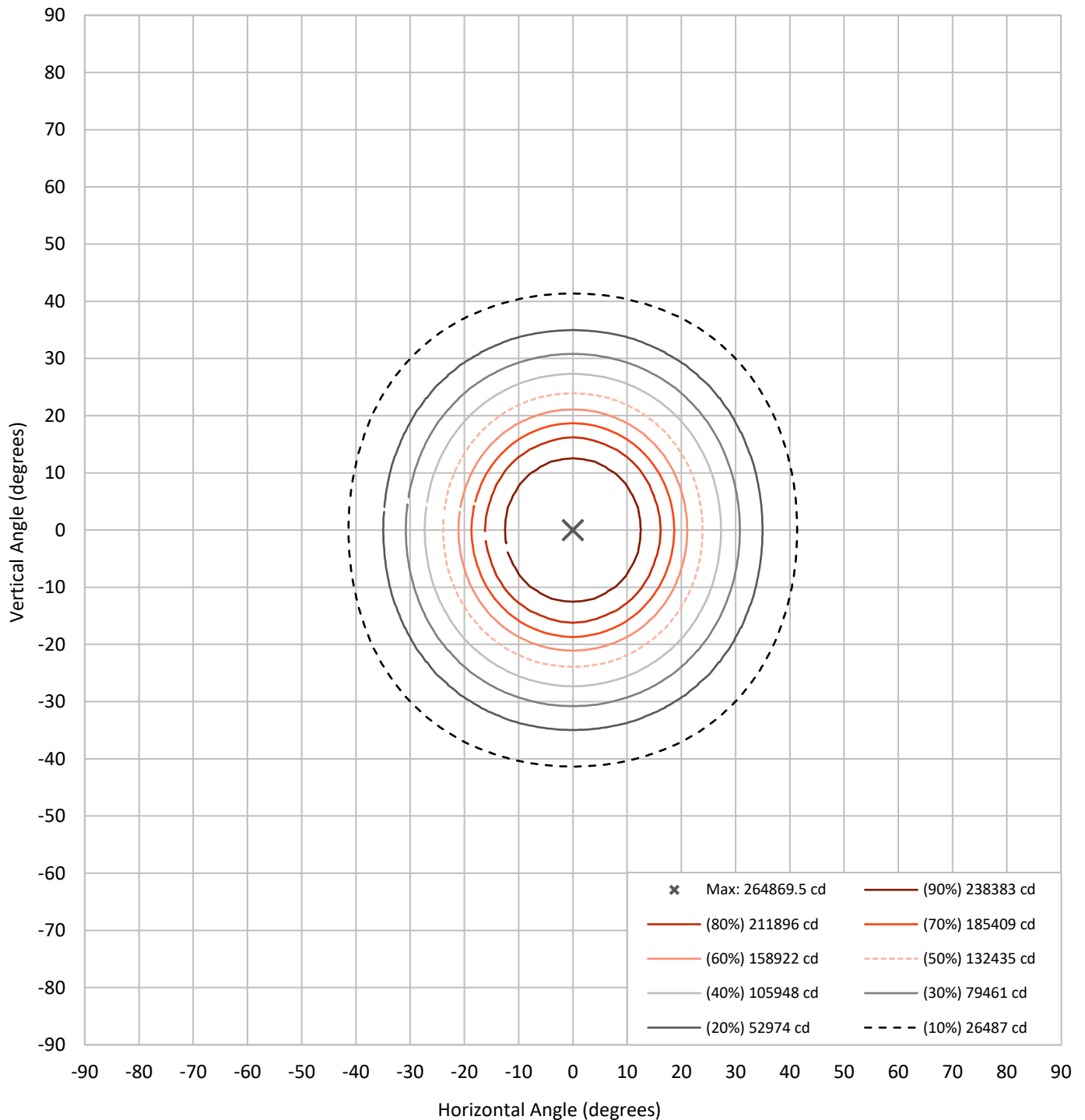
Test Method: LM-79-08
Report Number: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-13)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-40-70-5S-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	193280.8 lumens	Max Intensity:	264869.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	159.2 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	47.8°H x 47.8°V	Field Angle (10%):	82.7°H x 82.7°V
Beam Lumens:	107731.9 lumens	Field Lumens:	177824.8 lumens
Beam Efficiency:	55.7%	Field Efficiency:	92.0%
Input Watts (W):	1214.1		
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: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

Iso-Candela Plot





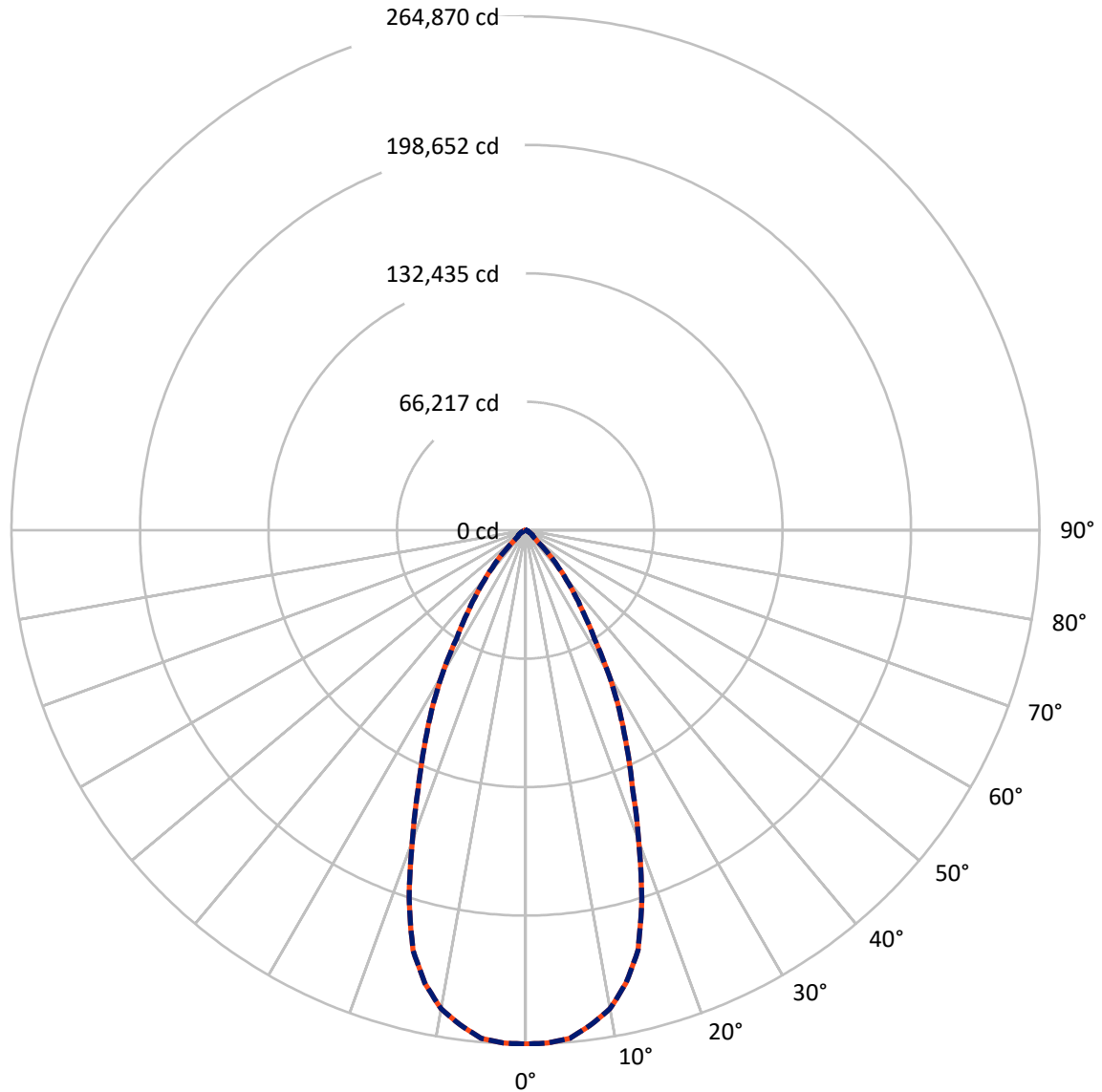
REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

Lumen Table

90																
80	0.2	1.8		6.8		15.7		20.1		15.7		6.8		1.8		0.2
70																
60	0.8	1.1	4.0	10.5	20.6	32.6	43.3	49.4	49.4	43.3	32.6	20.6	10.5	4.0	1.1	0.8
50		3.0	12.0	30.7	58.2	88.5	112.4	125.6	125.6	112.4	88.5	58.2	30.7	12.0	3.0	
40	2.3	6.4	25.1	61.6	107.8	183.6	335.2	459.8	459.8	335.2	183.6	107.8	61.6	25.1	6.4	2.3
30		11.0	41.3	93.3	237.1	675.9	1208.8	1588.5	1588.5	1208.8	675.9	237.1	93.3	41.3	11.0	
20	4.5	15.7	56.7	144.7	614.4	1524.0	2739.1	3633.4	3633.4	2739.1	1524.0	614.4	144.7	56.7	15.7	4.5
10		19.6	67.6	250.4	1032.9	2577.5	4674.2	6343.2	6343.2	4674.2	2577.5	1032.9	250.4	67.6	19.6	
0	5.5	21.7	73.2	333.9	1317.9	3318.8	6158.5	7730.4	7730.4	6158.5	3318.8	1317.9	333.9	73.2	21.7	5.5
-10		21.7	73.2	333.9	1317.9	3318.8	6158.5	7730.4	7730.4	6158.5	3318.8	1317.9	333.9	73.2	21.7	
-20	4.5	19.6	67.6	250.4	1032.9	2577.5	4674.2	6343.2	6343.2	4674.2	2577.5	1032.9	250.4	67.6	19.6	4.5
-30		15.7	56.7	144.7	614.4	1524.0	2739.1	3633.4	3633.4	2739.1	1524.0	614.4	144.7	56.7	15.7	
-40	2.3	11.0	41.3	93.3	237.1	675.9	1208.8	1588.5	1588.5	1208.8	675.9	237.1	93.3	41.3	11.0	2.3
-50		6.4	25.1	61.6	107.8	183.6	335.2	459.8	459.8	335.2	183.6	107.8	61.6	25.1	6.4	
-60	0.8	3.0	12.0	30.7	58.2	88.5	112.4	125.6	125.6	112.4	88.5	58.2	30.7	12.0	3.0	0.8
-70		1.1	4.0	10.5	20.6	32.6	43.3	49.4	49.4	43.3	32.6	20.6	10.5	4.0	1.1	
-80																
-90	0.2	1.8		6.8		15.7		20.1		15.7		6.8		1.8		0.2

REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

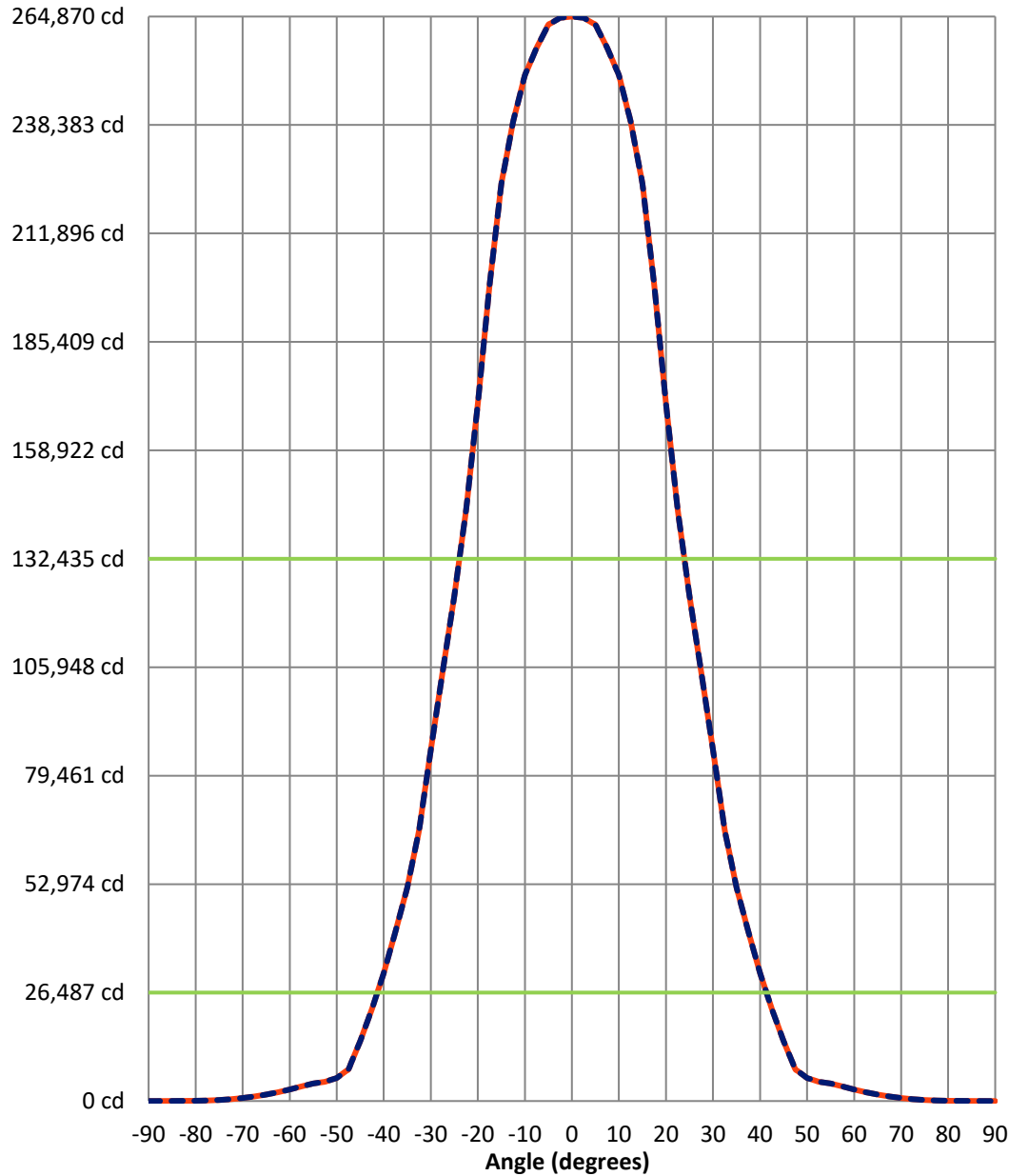
Luminous Intensity Polar Plot



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

REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

Luminous Intensity Plot



Beam:
 H Angle: 47.8°
 V Angle: 47.8°
 Lumens: 107731.9
 Efficiency: 55.7%

Field:
 H Angle: 82.7°
 V Angle: 82.7°
 Lumens: 177824.8
 Efficiency: 92.0%

Spill:
 Lumens: 15455.9
 Efficiency: 8.0%

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



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-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	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
85°	0.0	0.6	1.2	1.9	2.5	3.1	3.7	4.3	4.9	5.4	6.0
82.5°	0.0	0.9	1.9	2.8	3.7	4.6	5.5	6.4	7.5	9.4	11.4
80°	0.0	1.2	2.5	3.7	4.9	6.1	7.6	10.3	12.9	15.5	18.1
77.5°	0.0	1.5	3.1	4.6	6.1	8.3	11.7	15.0	18.3	21.6	25.2
75°	0.0	1.8	3.7	5.5	7.6	11.7	15.7	19.7	23.8	28.7	33.5
72.5°	0.0	2.1	4.3	6.4	10.3	15.0	19.7	24.7	30.5	36.2	41.8
70°	0.0	2.4	4.9	7.5	12.9	18.3	23.8	30.5	37.1	43.6	51.2
67.5°	0.0	2.7	5.4	9.4	15.5	21.6	28.7	36.2	43.6	52.3	60.9
65°	0.0	3.0	6.0	11.4	18.1	25.2	33.5	41.8	51.2	60.9	74.9
62.5°	0.0	3.3	6.6	13.3	20.6	29.1	38.3	48.1	58.8	72.1	99.5
60°	0.0	3.5	7.1	15.1	23.1	33.0	42.9	54.5	66.1	93.8	123.5
57.5°	0.0	3.8	8.3	16.9	26.1	36.8	48.2	60.8	82.6	115.1	162.0
55°	0.0	4.1	9.5	18.7	29.0	40.4	53.4	66.9	101.0	140.0	206.5
52.5°	0.0	4.3	10.6	20.4	31.8	44.1	58.6	81.5	118.9	179.0	249.8
50°	0.0	4.6	11.7	22.0	34.6	48.2	63.5	96.7	141.0	216.9	314.3
47.5°	0.0	4.8	12.7	23.7	37.2	52.2	69.4	111.4	173.5	253.5	379.4
45°	0.0	5.0	13.8	25.6	39.8	56.0	81.5	125.5	204.8	309.4	442.2
42.5°	0.0	5.2	14.7	27.4	42.2	59.7	93.1	146.4	234.9	363.5	527.6
40°	0.0	5.4	15.7	29.2	44.8	63.2	104.1	171.5	269.2	415.3	613.6
37.5°	0.0	5.6	16.5	30.8	47.5	66.5	114.6	195.3	312.9	471.4	695.6
35°	0.0	5.8	17.4	32.4	50.0	73.0	124.6	217.9	354.2	541.0	781.8
32.5°	0.0	6.0	18.1	33.9	52.3	80.8	136.5	239.1	393.2	606.6	875.9
30°	0.0	6.1	18.9	35.2	54.5	88.0	153.5	261.8	429.7	668.1	964.2
27.5°	0.0	6.3	19.6	36.5	56.6	94.8	169.2	291.3	469.8	725.2	1046.3
25°	0.0	6.4	20.2	37.7	58.5	101.0	183.7	318.4	516.3	787.7	1122.9
22.5°	0.0	6.6	20.7	38.8	60.2	106.6	196.9	343.2	558.7	849.4	1209.3
20°	0.0	6.7	21.3	39.7	61.7	111.7	208.8	365.5	597.0	905.2	1287.3
17.5°	0.0	6.8	21.7	40.6	63.1	116.3	219.4	385.4	631.0	954.7	1356.7
15°	0.0	6.9	22.1	41.3	64.3	120.2	228.6	402.6	660.6	997.9	1417.3
12.5°	0.0	6.9	22.4	42.0	65.3	123.5	236.4	417.3	685.8	1034.7	1468.8
10°	0.0	7.0	22.7	42.5	66.1	126.3	242.8	429.4	706.6	1064.9	1511.2
7.5°	0.0	7.0	22.9	42.9	66.8	128.4	247.8	438.8	722.7	1088.5	1544.3
5°	0.0	7.1	23.1	43.2	67.2	130.0	251.4	445.6	734.3	1105.4	1568.1
2.5°	0.0	7.1	23.2	43.3	67.5	130.9	253.6	449.6	741.3	1115.6	1582.3
0°	0.0	7.1	23.2	43.4	67.6	131.2	254.3	451.0	743.6	1119.0	1587.1
-2.5°	0.0	7.1	23.2	43.3	67.5	130.9	253.6	449.6	741.3	1115.6	1582.3
-5°	0.0	7.1	23.1	43.2	67.2	130.0	251.4	445.6	734.3	1105.4	1568.1
-7.5°	0.0	7.0	22.9	42.9	66.8	128.4	247.8	438.8	722.7	1088.5	1544.3
-10°	0.0	7.0	22.7	42.5	66.1	126.3	242.8	429.4	706.6	1064.9	1511.2
-12.5°	0.0	6.9	22.4	42.0	65.3	123.5	236.4	417.3	685.8	1034.7	1468.8
-15°	0.0	6.9	22.1	41.3	64.3	120.2	228.6	402.6	660.6	997.9	1417.3
-17.5°	0.0	6.8	21.7	40.6	63.1	116.3	219.4	385.4	631.0	954.7	1356.7
-20°	0.0	6.7	21.3	39.7	61.7	111.7	208.8	365.5	597.0	905.2	1287.3



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.6	20.7	38.8	60.2	106.6	196.9	343.2	558.7	849.4	1209.3
-25°	0.0	6.4	20.2	37.7	58.5	101.0	183.7	318.4	516.3	787.7	1122.9
-27.5°	0.0	6.3	19.6	36.5	56.6	94.8	169.2	291.3	469.8	725.2	1046.3
-30°	0.0	6.1	18.9	35.2	54.5	88.0	153.5	261.8	429.7	668.1	964.2
-32.5°	0.0	6.0	18.1	33.9	52.3	80.8	136.5	239.1	393.2	606.6	875.9
-35°	0.0	5.8	17.4	32.4	50.0	73.0	124.6	217.9	354.2	541.0	781.8
-37.5°	0.0	5.6	16.5	30.8	47.5	66.5	114.6	195.3	312.9	471.4	695.6
-40°	0.0	5.4	15.7	29.2	44.8	63.2	104.1	171.5	269.2	415.3	613.6
-42.5°	0.0	5.2	14.7	27.4	42.2	59.7	93.1	146.4	234.9	363.5	527.6
-45°	0.0	5.0	13.8	25.6	39.8	56.0	81.5	125.5	204.8	309.4	442.2
-47.5°	0.0	4.8	12.7	23.7	37.2	52.2	69.4	111.4	173.5	253.5	379.4
-50°	0.0	4.6	11.7	22.0	34.6	48.2	63.5	96.7	141.0	216.9	314.3
-52.5°	0.0	4.3	10.6	20.4	31.8	44.1	58.6	81.5	118.9	179.0	249.8
-55°	0.0	4.1	9.5	18.7	29.0	40.4	53.4	66.9	101.0	140.0	206.5
-57.5°	0.0	3.8	8.3	16.9	26.1	36.8	48.2	60.8	82.6	115.1	162.0
-60°	0.0	3.5	7.1	15.1	23.1	33.0	42.9	54.5	66.1	93.8	123.5
-62.5°	0.0	3.3	6.6	13.3	20.6	29.1	38.3	48.1	58.8	72.1	99.5
-65°	0.0	3.0	6.0	11.4	18.1	25.2	33.5	41.8	51.2	60.9	74.9
-67.5°	0.0	2.7	5.4	9.4	15.5	21.6	28.7	36.2	43.6	52.3	60.9
-70°	0.0	2.4	4.9	7.5	12.9	18.3	23.8	30.5	37.1	43.6	51.2
-72.5°	0.0	2.1	4.3	6.4	10.3	15.0	19.7	24.7	30.5	36.2	41.8
-75°	0.0	1.8	3.7	5.5	7.6	11.7	15.7	19.7	23.8	28.7	33.5
-77.5°	0.0	1.5	3.1	4.6	6.1	8.3	11.7	15.0	18.3	21.6	25.2
-80°	0.0	1.2	2.5	3.7	4.9	6.1	7.6	10.3	12.9	15.5	18.1
-82.5°	0.0	0.9	1.9	2.8	3.7	4.6	5.5	6.4	7.5	9.4	11.4
-85°	0.0	0.6	1.2	1.9	2.5	3.1	3.7	4.3	4.9	5.4	6.0
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-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: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-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°	3.3	3.5	3.8	4.1	4.3	4.6	4.8	5.0	5.2	5.4	5.6
85°	6.6	7.1	8.3	9.5	10.6	11.7	12.7	13.8	14.7	15.7	16.5
82.5°	13.3	15.1	16.9	18.7	20.4	22.0	23.7	25.6	27.4	29.2	30.8
80°	20.6	23.1	26.1	29.0	31.8	34.6	37.2	39.8	42.2	44.8	47.5
77.5°	29.1	33.0	36.8	40.4	44.1	48.2	52.2	56.0	59.7	63.2	66.5
75°	38.3	42.9	48.2	53.4	58.6	63.5	69.4	81.5	93.1	104.1	114.6
72.5°	48.1	54.5	60.8	66.9	81.5	96.7	111.4	125.5	146.4	171.5	195.3
70°	58.8	66.1	82.6	101.0	118.9	141.0	173.5	204.8	234.9	269.2	312.9
67.5°	72.1	93.8	115.1	140.0	179.0	216.9	253.5	309.4	363.5	415.3	471.4
65°	99.5	123.5	162.0	206.5	249.8	314.3	379.4	442.2	527.6	613.6	695.6
62.5°	126.4	173.0	223.0	282.5	358.6	432.6	530.2	633.2	732.3	851.0	967.3
60°	173.0	228.6	300.2	385.4	476.9	597.0	713.5	849.4	988.6	1122.9	1282.0
57.5°	223.0	300.2	394.3	503.6	637.3	774.3	936.4	1093.4	1275.7	1457.0	1638.8
55°	282.5	385.4	503.6	650.8	809.2	989.1	1175.0	1386.3	1590.9	1825.6	2050.3
52.5°	358.6	476.9	637.3	809.2	1006.7	1219.3	1453.2	1698.4	1960.8	2227.0	2518.4
50°	432.6	597.0	774.3	989.1	1219.3	1475.6	1752.5	2042.7	2359.4	2685.2	3020.5
47.5°	530.2	713.5	936.4	1175.0	1453.2	1752.5	2070.2	2426.1	2786.2	3173.8	3550.8
45°	633.2	849.4	1093.4	1386.3	1698.4	2042.7	2426.1	2820.1	3251.1	3662.7	4040.6
42.5°	732.3	988.6	1275.7	1590.9	1960.8	2359.4	2786.2	3251.1	3699.7	4115.7	4423.1
40°	851.0	1122.9	1457.0	1825.6	2227.0	2685.2	3173.8	3662.7	4115.7	4445.5	4694.7
37.5°	967.3	1282.0	1638.8	2050.3	2518.4	3020.5	3550.8	4040.6	4423.1	4694.7	5266.9
35°	1077.7	1433.2	1836.2	2288.2	2796.4	3357.2	3891.7	4356.2	4649.0	5214.8	6090.2
32.5°	1197.5	1576.2	2023.1	2532.2	3090.5	3671.4	4214.8	4558.6	5059.5	5846.3	7340.3
30°	1319.5	1734.7	2209.2	2762.0	3370.8	3955.7	4425.0	4804.0	5517.3	6967.2	10245.5
27.5°	1433.2	1884.5	2406.3	2996.5	3629.8	4222.2	4593.0	5206.7	6354.1	8606.1	13907.0
25°	1538.2	2023.1	2588.8	3220.6	3858.7	4395.4	4801.9	5582.6	7280.7	11820.6	17728.2
22.5°	1643.5	2150.4	2756.1	3426.3	4069.0	4528.8	5123.5	6309.5	8965.3	14823.4	21383.3
20°	1747.4	2288.2	2918.5	3610.6	4259.8	4650.0	5416.4	7035.8	11500.8	17942.1	24989.9
17.5°	1839.8	2411.0	3070.5	3766.9	4372.2	4821.9	5734.1	7688.0	13782.7	20755.5	28368.9
15°	1920.5	2518.4	3203.4	3903.9	4459.6	5034.3	6263.6	9366.6	15955.6	23323.3	31378.8
12.5°	1989.2	2609.8	3316.9	4020.8	4534.4	5216.0	6717.2	10960.7	17930.3	25706.7	34384.0
10°	2045.8	2685.2	3410.3	4117.2	4596.1	5366.1	7092.3	12280.7	19568.0	27687.0	36886.6
7.5°	2090.0	2744.0	3483.4	4192.6	4644.4	5483.8	7386.5	13317.4	20855.9	29246.9	38861.6
5°	2121.7	2786.2	3535.8	4246.7	4679.0	5568.3	7598.1	14063.5	21783.7	30372.0	40288.2
2.5°	2140.7	2811.6	3567.4	4279.3	4699.9	5619.2	7725.6	14513.4	22343.6	31051.5	41150.7
0°	2147.1	2820.1	3577.9	4290.2	4706.9	5636.2	7768.2	14663.7	22530.8	31278.8	41439.3
-2.5°	2140.7	2811.6	3567.4	4279.3	4699.9	5619.2	7725.6	14513.4	22343.6	31051.5	41150.7
-5°	2121.7	2786.2	3535.8	4246.7	4679.0	5568.3	7598.1	14063.5	21783.7	30372.0	40288.2
-7.5°	2090.0	2744.0	3483.4	4192.6	4644.4	5483.8	7386.5	13317.4	20855.9	29246.9	38861.6
-10°	2045.8	2685.2	3410.3	4117.2	4596.1	5366.1	7092.3	12280.7	19568.0	27687.0	36886.6
-12.5°	1989.2	2609.8	3316.9	4020.8	4534.4	5216.0	6717.2	10960.7	17930.3	25706.7	34384.0
-15°	1920.5	2518.4	3203.4	3903.9	4459.6	5034.3	6263.6	9366.6	15955.6	23323.3	31378.8
-17.5°	1839.8	2411.0	3070.5	3766.9	4372.2	4821.9	5734.1	7688.0	13782.7	20755.5	28368.9
-20°	1747.4	2288.2	2918.5	3610.6	4259.8	4650.0	5416.4	7035.8	11500.8	17942.1	24989.9



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1643.5	2150.4	2756.1	3426.3	4069.0	4528.8	5123.5	6309.5	8965.3	14823.4	21383.3
-25°	1538.2	2023.1	2588.8	3220.6	3858.7	4395.4	4801.9	5582.6	7280.7	11820.6	17728.2
-27.5°	1433.2	1884.5	2406.3	2996.5	3629.8	4222.2	4593.0	5206.7	6354.1	8606.1	13907.0
-30°	1319.5	1734.7	2209.2	2762.0	3370.8	3955.7	4425.0	4804.0	5517.3	6967.2	10245.5
-32.5°	1197.5	1576.2	2023.1	2532.2	3090.5	3671.4	4214.8	4558.6	5059.5	5846.3	7340.3
-35°	1077.7	1433.2	1836.2	2288.2	2796.4	3357.2	3891.7	4356.2	4649.0	5214.8	6090.2
-37.5°	967.3	1282.0	1638.8	2050.3	2518.4	3020.5	3550.8	4040.6	4423.1	4694.7	5266.9
-40°	851.0	1122.9	1457.0	1825.6	2227.0	2685.2	3173.8	3662.7	4115.7	4445.5	4694.7
-42.5°	732.3	988.6	1275.7	1590.9	1960.8	2359.4	2786.2	3251.1	3699.7	4115.7	4423.1
-45°	633.2	849.4	1093.4	1386.3	1698.4	2042.7	2426.1	2820.1	3251.1	3662.7	4040.6
-47.5°	530.2	713.5	936.4	1175.0	1453.2	1752.5	2070.2	2426.1	2786.2	3173.8	3550.8
-50°	432.6	597.0	774.3	989.1	1219.3	1475.6	1752.5	2042.7	2359.4	2685.2	3020.5
-52.5°	358.6	476.9	637.3	809.2	1006.7	1219.3	1453.2	1698.4	1960.8	2227.0	2518.4
-55°	282.5	385.4	503.6	650.8	809.2	989.1	1175.0	1386.3	1590.9	1825.6	2050.3
-57.5°	223.0	300.2	394.3	503.6	637.3	774.3	936.4	1093.4	1275.7	1457.0	1638.8
-60°	173.0	228.6	300.2	385.4	476.9	597.0	713.5	849.4	988.6	1122.9	1282.0
-62.5°	126.4	173.0	223.0	282.5	358.6	432.6	530.2	633.2	732.3	851.0	967.3
-65°	99.5	123.5	162.0	206.5	249.8	314.3	379.4	442.2	527.6	613.6	695.6
-67.5°	72.1	93.8	115.1	140.0	179.0	216.9	253.5	309.4	363.5	415.3	471.4
-70°	58.8	66.1	82.6	101.0	118.9	141.0	173.5	204.8	234.9	269.2	312.9
-72.5°	48.1	54.5	60.8	66.9	81.5	96.7	111.4	125.5	146.4	171.5	195.3
-75°	38.3	42.9	48.2	53.4	58.6	63.5	69.4	81.5	93.1	104.1	114.6
-77.5°	29.1	33.0	36.8	40.4	44.1	48.2	52.2	56.0	59.7	63.2	66.5
-80°	20.6	23.1	26.1	29.0	31.8	34.6	37.2	39.8	42.2	44.8	47.5
-82.5°	13.3	15.1	16.9	18.7	20.4	22.0	23.7	25.6	27.4	29.2	30.8
-85°	6.6	7.1	8.3	9.5	10.6	11.7	12.7	13.8	14.7	15.7	16.5
-87.5°	3.3	3.5	3.8	4.1	4.3	4.6	4.8	5.0	5.2	5.4	5.6
-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: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-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°	5.8	6.0	6.1	6.3	6.4	6.6	6.7	6.8	6.9	6.9	7.0
85°	17.4	18.1	18.9	19.6	20.2	20.7	21.3	21.7	22.1	22.4	22.7
82.5°	32.4	33.9	35.2	36.5	37.7	38.8	39.7	40.6	41.3	42.0	42.5
80°	50.0	52.3	54.5	56.6	58.5	60.2	61.7	63.1	64.3	65.3	66.1
77.5°	73.0	80.8	88.0	94.8	101.0	106.6	111.7	116.3	120.2	123.5	126.3
75°	124.6	136.5	153.5	169.2	183.7	196.9	208.8	219.4	228.6	236.4	242.8
72.5°	217.9	239.1	261.8	291.3	318.4	343.2	365.5	385.4	402.6	417.3	429.4
70°	354.2	393.2	429.7	469.8	516.3	558.7	597.0	631.0	660.6	685.8	706.6
67.5°	541.0	606.6	668.1	725.2	787.7	849.4	905.2	954.7	997.9	1034.7	1064.9
65°	781.8	875.9	964.2	1046.3	1122.9	1209.3	1287.3	1356.7	1417.3	1468.8	1511.2
62.5°	1077.7	1197.5	1319.5	1433.2	1538.2	1643.5	1747.4	1839.8	1920.5	1989.2	2045.8
60°	1433.2	1576.2	1734.7	1884.5	2023.1	2150.4	2288.2	2411.0	2518.4	2609.8	2685.2
57.5°	1836.2	2023.1	2209.2	2406.3	2588.8	2756.1	2918.5	3070.5	3203.4	3316.9	3410.3
55°	2288.2	2532.2	2762.0	2996.5	3220.6	3426.3	3610.6	3766.9	3903.9	4020.8	4117.2
52.5°	2796.4	3090.5	3370.8	3629.8	3858.7	4069.0	4259.8	4372.2	4459.6	4534.4	4596.1
50°	3357.2	3671.4	3955.7	4222.2	4395.4	4528.8	4650.0	4821.9	5034.3	5216.0	5366.1
47.5°	3891.7	4214.8	4425.0	4593.0	4801.9	5123.5	5416.4	5734.1	6263.6	6717.2	7092.3
45°	4356.2	4558.6	4804.0	5206.7	5582.6	6309.5	7035.8	7688.0	9366.6	10960.7	12280.7
42.5°	4649.0	5059.5	5517.3	6354.1	7280.7	8965.3	11500.8	13782.7	15955.6	17930.3	19568.0
40°	5214.8	5846.3	6967.2	8606.1	11820.6	14823.4	17942.1	20755.5	23323.3	25706.7	27687.0
37.5°	6090.2	7340.3	10245.5	13907.0	17728.2	21383.3	24989.9	28368.9	31378.8	34384.0	36886.6
35°	7465.5	11074.4	15251.0	19704.4	24058.5	28418.9	32626.3	36863.7	40632.8	44034.7	46912.9
32.5°	11074.4	15738.4	20705.0	25770.5	30758.0	36101.6	41124.1	45937.5	50250.2	54547.6	58629.0
30°	15251.0	20705.0	26346.3	32051.8	38229.0	44185.6	49887.7	55984.9	62064.5	67883.0	74163.7
27.5°	19704.4	25770.5	32051.8	38945.4	45750.6	52356.9	60322.5	68270.9	77561.1	85710.0	92367.8
25°	24058.5	30758.0	38229.0	45750.6	53420.6	62533.4	73116.3	84252.8	94063.7	102677.9	109902.8
22.5°	28418.9	36101.6	44185.6	52356.9	62533.4	74754.5	87612.8	99244.1	109770.4	119039.8	127428.7
20°	32626.3	41124.1	49887.7	60322.5	73116.3	87612.8	101001.0	113399.8	124927.1	136392.7	146759.2
17.5°	36863.7	45937.5	55984.9	68270.9	84252.8	99244.1	113399.8	127118.6	141040.0	155877.7	169533.3
15°	40632.8	50250.2	62064.5	77561.1	94063.7	109770.4	124927.1	141040.0	159005.3	176913.2	193954.1
12.5°	44034.7	54547.6	67883.0	85710.0	102677.9	119039.8	136392.7	155877.7	176913.2	198092.9	214545.0
10°	46912.9	58629.0	74163.7	92367.8	109902.8	127428.7	146759.2	169533.3	193954.1	214545.0	230847.5
7.5°	49189.4	61866.2	79162.3	97687.9	115678.2	134656.1	156766.6	182018.0	206909.9	227470.1	239281.6
5°	50836.8	64213.9	82797.4	101570.2	119911.4	139984.4	164201.5	191461.9	216169.6	234684.8	245726.8
2.5°	51834.0	65637.2	85005.5	103934.3	122497.4	143253.3	168789.3	197337.1	221999.7	238190.0	249342.5
0°	52167.9	66114.2	85746.2	104728.3	123367.4	144355.5	170341.1	199333.4	223994.2	239187.7	250526.7
-2.5°	51834.0	65637.2	85005.5	103934.3	122497.4	143253.3	168789.3	197337.1	221999.7	238190.0	249342.5
-5°	50836.8	64213.9	82797.4	101570.2	119911.4	139984.4	164201.5	191461.9	216169.6	234684.8	245726.8
-7.5°	49189.4	61866.2	79162.3	97687.9	115678.2	134656.1	156766.6	182018.0	206909.9	227470.1	239281.6
-10°	46912.9	58629.0	74163.7	92367.8	109902.8	127428.7	146759.2	169533.3	193954.1	214545.0	230847.5
-12.5°	44034.7	54547.6	67883.0	85710.0	102677.9	119039.8	136392.7	155877.7	176913.2	198092.9	214545.0
-15°	40632.8	50250.2	62064.5	77561.1	94063.7	109770.4	124927.1	141040.0	159005.3	176913.2	193954.1
-17.5°	36863.7	45937.5	55984.9	68270.9	84252.8	99244.1	113399.8	127118.6	141040.0	155877.7	169533.3
-20°	32626.3	41124.1	49887.7	60322.5	73116.3	87612.8	101001.0	113399.8	124927.1	136392.7	146759.2



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	28418.9	36101.6	44185.6	52356.9	62533.4	74754.5	87612.8	99244.1	109770.4	119039.8	127428.7
-25°	24058.5	30758.0	38229.0	45750.6	53420.6	62533.4	73116.3	84252.8	94063.7	102677.9	109902.8
-27.5°	19704.4	25770.5	32051.8	38945.4	45750.6	52356.9	60322.5	68270.9	77561.1	85710.0	92367.8
-30°	15251.0	20705.0	26346.3	32051.8	38229.0	44185.6	49887.7	55984.9	62064.5	67883.0	74163.7
-32.5°	11074.4	15738.4	20705.0	25770.5	30758.0	36101.6	41124.1	45937.5	50250.2	54547.6	58629.0
-35°	7465.5	11074.4	15251.0	19704.4	24058.5	28418.9	32626.3	36863.7	40632.8	44034.7	46912.9
-37.5°	6090.2	7340.3	10245.5	13907.0	17728.2	21383.3	24989.9	28368.9	31378.8	34384.0	36886.6
-40°	5214.8	5846.3	6967.2	8606.1	11820.6	14823.4	17942.1	20755.5	23323.3	25706.7	27687.0
-42.5°	4649.0	5059.5	5517.3	6354.1	7280.7	8965.3	11500.8	13782.7	15955.6	17930.3	19568.0
-45°	4356.2	4558.6	4804.0	5206.7	5582.6	6309.5	7035.8	7688.0	9366.6	10960.7	12280.7
-47.5°	3891.7	4214.8	4425.0	4593.0	4801.9	5123.5	5416.4	5734.1	6263.6	6717.2	7092.3
-50°	3357.2	3671.4	3955.7	4222.2	4395.4	4528.8	4650.0	4821.9	5034.3	5216.0	5366.1
-52.5°	2796.4	3090.5	3370.8	3629.8	3858.7	4069.0	4259.8	4372.2	4459.6	4534.4	4596.1
-55°	2288.2	2532.2	2762.0	2996.5	3220.6	3426.3	3610.6	3766.9	3903.9	4020.8	4117.2
-57.5°	1836.2	2023.1	2209.2	2406.3	2588.8	2756.1	2918.5	3070.5	3203.4	3316.9	3410.3
-60°	1433.2	1576.2	1734.7	1884.5	2023.1	2150.4	2288.2	2411.0	2518.4	2609.8	2685.2
-62.5°	1077.7	1197.5	1319.5	1433.2	1538.2	1643.5	1747.4	1839.8	1920.5	1989.2	2045.8
-65°	781.8	875.9	964.2	1046.3	1122.9	1209.3	1287.3	1356.7	1417.3	1468.8	1511.2
-67.5°	541.0	606.6	668.1	725.2	787.7	849.4	905.2	954.7	997.9	1034.7	1064.9
-70°	354.2	393.2	429.7	469.8	516.3	558.7	597.0	631.0	660.6	685.8	706.6
-72.5°	217.9	239.1	261.8	291.3	318.4	343.2	365.5	385.4	402.6	417.3	429.4
-75°	124.6	136.5	153.5	169.2	183.7	196.9	208.8	219.4	228.6	236.4	242.8
-77.5°	73.0	80.8	88.0	94.8	101.0	106.6	111.7	116.3	120.2	123.5	126.3
-80°	50.0	52.3	54.5	56.6	58.5	60.2	61.7	63.1	64.3	65.3	66.1
-82.5°	32.4	33.9	35.2	36.5	37.7	38.8	39.7	40.6	41.3	42.0	42.5
-85°	17.4	18.1	18.9	19.6	20.2	20.7	21.3	21.7	22.1	22.4	22.7
-87.5°	5.8	6.0	6.1	6.3	6.4	6.6	6.7	6.8	6.9	6.9	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: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-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°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.8
85°	22.9	23.1	23.2	23.2	23.2	23.1	22.9	22.7	22.4	22.1	21.7
82.5°	42.9	43.2	43.3	43.4	43.3	43.2	42.9	42.5	42.0	41.3	40.6
80°	66.8	67.2	67.5	67.6	67.5	67.2	66.8	66.1	65.3	64.3	63.1
77.5°	128.4	130.0	130.9	131.2	130.9	130.0	128.4	126.3	123.5	120.2	116.3
75°	247.8	251.4	253.6	254.3	253.6	251.4	247.8	242.8	236.4	228.6	219.4
72.5°	438.8	445.6	449.6	451.0	449.6	445.6	438.8	429.4	417.3	402.6	385.4
70°	722.7	734.3	741.3	743.6	741.3	734.3	722.7	706.6	685.8	660.6	631.0
67.5°	1088.5	1105.4	1115.6	1119.0	1115.6	1105.4	1088.5	1064.9	1034.7	997.9	954.7
65°	1544.3	1568.1	1582.3	1587.1	1582.3	1568.1	1544.3	1511.2	1468.8	1417.3	1356.7
62.5°	2090.0	2121.7	2140.7	2147.1	2140.7	2121.7	2090.0	2045.8	1989.2	1920.5	1839.8
60°	2744.0	2786.2	2811.6	2820.1	2811.6	2786.2	2744.0	2685.2	2609.8	2518.4	2411.0
57.5°	3483.4	3535.8	3567.4	3577.9	3567.4	3535.8	3483.4	3410.3	3316.9	3203.4	3070.5
55°	4192.6	4246.7	4279.3	4290.2	4279.3	4246.7	4192.6	4117.2	4020.8	3903.9	3766.9
52.5°	4644.4	4679.0	4699.9	4706.9	4699.9	4679.0	4644.4	4596.1	4534.4	4459.6	4372.2
50°	5483.8	5568.3	5619.2	5636.2	5619.2	5568.3	5483.8	5366.1	5216.0	5034.3	4821.9
47.5°	7386.5	7598.1	7725.6	7768.2	7725.6	7598.1	7386.5	7092.3	6717.2	6263.6	5734.1
45°	13317.4	14063.5	14513.4	14663.7	14513.4	14063.5	13317.4	12280.7	10960.7	9366.6	7688.0
42.5°	20855.9	21783.7	22343.6	22530.8	22343.6	21783.7	20855.9	19568.0	17930.3	15955.6	13782.7
40°	29246.9	30372.0	31051.5	31278.8	31051.5	30372.0	29246.9	27687.0	25706.7	23323.3	20755.5
37.5°	38861.6	40288.2	41150.7	41439.3	41150.7	40288.2	38861.6	36886.6	34384.0	31378.8	28368.9
35°	49189.4	50836.8	51834.0	52167.9	51834.0	50836.8	49189.4	46912.9	44034.7	40632.8	36863.7
32.5°	61866.2	64213.9	65637.2	66114.2	65637.2	64213.9	61866.2	58629.0	54547.6	50250.2	45937.5
30°	79162.3	82797.4	85005.5	85746.2	85005.5	82797.4	79162.3	74163.7	67883.0	62064.5	55984.9
27.5°	97687.9	101570.2	103934.3	104728.3	103934.3	101570.2	97687.9	92367.8	85710.0	77561.1	68270.9
25°	115678.2	119911.4	122497.4	123367.4	122497.4	119911.4	115678.2	109902.8	102677.9	94063.7	84252.8
22.5°	134656.1	139984.4	143253.3	144355.5	143253.3	139984.4	134656.1	127428.7	119039.8	109770.4	99244.1
20°	156766.6	164201.5	168789.3	170341.1	168789.3	164201.5	156766.6	146759.2	136392.7	124927.1	113399.8
17.5°	182018.0	191461.9	197337.1	199333.4	197337.1	191461.9	182018.0	169533.3	155877.7	141040.0	127118.6
15°	206909.9	216169.6	221999.7	223994.2	221999.7	216169.6	206909.9	193954.1	176913.2	159005.3	141040.0
12.5°	227470.1	234684.8	238190.0	239187.7	238190.0	234684.8	227470.1	214545.0	198092.9	176913.2	155877.7
10°	239281.6	245726.8	249342.5	250526.7	249342.5	245726.8	239281.6	230847.5	214545.0	193954.1	169533.3
7.5°	248228.1	253061.3	256163.0	257229.9	256163.0	253061.3	248228.1	239281.6	227470.1	206909.9	182018.0
5°	253061.3	258376.1	261668.3	262880.8	261668.3	258376.1	253061.3	245726.8	234684.8	216169.6	191461.9
2.5°	256163.0	261668.3	264145.3	264553.7	264145.3	261668.3	256163.0	249342.5	238190.0	221999.7	197337.1
0°	257229.9	262880.8	264553.7	264869.5	264553.7	262880.8	257229.9	250526.7	239187.7	223994.2	199333.4
-2.5°	256163.0	261668.3	264145.3	264553.7	264145.3	261668.3	256163.0	249342.5	238190.0	221999.7	197337.1
-5°	253061.3	258376.1	261668.3	262880.8	261668.3	258376.1	253061.3	245726.8	234684.8	216169.6	191461.9
-7.5°	248228.1	253061.3	256163.0	257229.9	256163.0	253061.3	248228.1	239281.6	227470.1	206909.9	182018.0
-10°	239281.6	245726.8	249342.5	250526.7	249342.5	245726.8	239281.6	230847.5	214545.0	193954.1	169533.3
-12.5°	227470.1	234684.8	238190.0	239187.7	238190.0	234684.8	227470.1	214545.0	198092.9	176913.2	155877.7
-15°	206909.9	216169.6	221999.7	223994.2	221999.7	216169.6	206909.9	193954.1	176913.2	159005.3	141040.0
-17.5°	182018.0	191461.9	197337.1	199333.4	197337.1	191461.9	182018.0	169533.3	155877.7	141040.0	127118.6
-20°	156766.6	164201.5	168789.3	170341.1	168789.3	164201.5	156766.6	146759.2	136392.7	124927.1	113399.8



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	134656.1	139984.4	143253.3	144355.5	143253.3	139984.4	134656.1	127428.7	119039.8	109770.4	99244.1
-25°	115678.2	119911.4	122497.4	123367.4	122497.4	119911.4	115678.2	109902.8	102677.9	94063.7	84252.8
-27.5°	97687.9	101570.2	103934.3	104728.3	103934.3	101570.2	97687.9	92367.8	85710.0	77561.1	68270.9
-30°	79162.3	82797.4	85005.5	85746.2	85005.5	82797.4	79162.3	74163.7	67883.0	62064.5	55984.9
-32.5°	61866.2	64213.9	65637.2	66114.2	65637.2	64213.9	61866.2	58629.0	54547.6	50250.2	45937.5
-35°	49189.4	50836.8	51834.0	52167.9	51834.0	50836.8	49189.4	46912.9	44034.7	40632.8	36863.7
-37.5°	38861.6	40288.2	41150.7	41439.3	41150.7	40288.2	38861.6	36886.6	34384.0	31378.8	28368.9
-40°	29246.9	30372.0	31051.5	31278.8	31051.5	30372.0	29246.9	27687.0	25706.7	23323.3	20755.5
-42.5°	20855.9	21783.7	22343.6	22530.8	22343.6	21783.7	20855.9	19568.0	17930.3	15955.6	13782.7
-45°	13317.4	14063.5	14513.4	14663.7	14513.4	14063.5	13317.4	12280.7	10960.7	9366.6	7688.0
-47.5°	7386.5	7598.1	7725.6	7768.2	7725.6	7598.1	7386.5	7092.3	6717.2	6263.6	5734.1
-50°	5483.8	5568.3	5619.2	5636.2	5619.2	5568.3	5483.8	5366.1	5216.0	5034.3	4821.9
-52.5°	4644.4	4679.0	4699.9	4706.9	4699.9	4679.0	4644.4	4596.1	4534.4	4459.6	4372.2
-55°	4192.6	4246.7	4279.3	4290.2	4279.3	4246.7	4192.6	4117.2	4020.8	3903.9	3766.9
-57.5°	3483.4	3535.8	3567.4	3577.9	3567.4	3535.8	3483.4	3410.3	3316.9	3203.4	3070.5
-60°	2744.0	2786.2	2811.6	2820.1	2811.6	2786.2	2744.0	2685.2	2609.8	2518.4	2411.0
-62.5°	2090.0	2121.7	2140.7	2147.1	2140.7	2121.7	2090.0	2045.8	1989.2	1920.5	1839.8
-65°	1544.3	1568.1	1582.3	1587.1	1582.3	1568.1	1544.3	1511.2	1468.8	1417.3	1356.7
-67.5°	1088.5	1105.4	1115.6	1119.0	1115.6	1105.4	1088.5	1064.9	1034.7	997.9	954.7
-70°	722.7	734.3	741.3	743.6	741.3	734.3	722.7	706.6	685.8	660.6	631.0
-72.5°	438.8	445.6	449.6	451.0	449.6	445.6	438.8	429.4	417.3	402.6	385.4
-75°	247.8	251.4	253.6	254.3	253.6	251.4	247.8	242.8	236.4	228.6	219.4
-77.5°	128.4	130.0	130.9	131.2	130.9	130.0	128.4	126.3	123.5	120.2	116.3
-80°	66.8	67.2	67.5	67.6	67.5	67.2	66.8	66.1	65.3	64.3	63.1
-82.5°	42.9	43.2	43.3	43.4	43.3	43.2	42.9	42.5	42.0	41.3	40.6
-85°	22.9	23.1	23.2	23.2	23.2	23.1	22.9	22.7	22.4	22.1	21.7
-87.5°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-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°	6.7	6.6	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0
85°	21.3	20.7	20.2	19.6	18.9	18.1	17.4	16.5	15.7	14.7	13.8
82.5°	39.7	38.8	37.7	36.5	35.2	33.9	32.4	30.8	29.2	27.4	25.6
80°	61.7	60.2	58.5	56.6	54.5	52.3	50.0	47.5	44.8	42.2	39.8
77.5°	111.7	106.6	101.0	94.8	88.0	80.8	73.0	66.5	63.2	59.7	56.0
75°	208.8	196.9	183.7	169.2	153.5	136.5	124.6	114.6	104.1	93.1	81.5
72.5°	365.5	343.2	318.4	291.3	261.8	239.1	217.9	195.3	171.5	146.4	125.5
70°	597.0	558.7	516.3	469.8	429.7	393.2	354.2	312.9	269.2	234.9	204.8
67.5°	905.2	849.4	787.7	725.2	668.1	606.6	541.0	471.4	415.3	363.5	309.4
65°	1287.3	1209.3	1122.9	1046.3	964.2	875.9	781.8	695.6	613.6	527.6	442.2
62.5°	1747.4	1643.5	1538.2	1433.2	1319.5	1197.5	1077.7	967.3	851.0	732.3	633.2
60°	2288.2	2150.4	2023.1	1884.5	1734.7	1576.2	1433.2	1282.0	1122.9	988.6	849.4
57.5°	2918.5	2756.1	2588.8	2406.3	2209.2	2023.1	1836.2	1638.8	1457.0	1275.7	1093.4
55°	3610.6	3426.3	3220.6	2996.5	2762.0	2532.2	2288.2	2050.3	1825.6	1590.9	1386.3
52.5°	4259.8	4069.0	3858.7	3629.8	3370.8	3090.5	2796.4	2518.4	2227.0	1960.8	1698.4
50°	4650.0	4528.8	4395.4	4222.2	3955.7	3671.4	3357.2	3020.5	2685.2	2359.4	2042.7
47.5°	5416.4	5123.5	4801.9	4593.0	4425.0	4214.8	3891.7	3550.8	3173.8	2786.2	2426.1
45°	7035.8	6309.5	5582.6	5206.7	4804.0	4558.6	4356.2	4040.6	3662.7	3251.1	2820.1
42.5°	11500.8	8965.3	7280.7	6354.1	5517.3	5059.5	4649.0	4423.1	4115.7	3699.7	3251.1
40°	17942.1	14823.4	11820.6	8606.1	6967.2	5846.3	5214.8	4694.7	4445.5	4115.7	3662.7
37.5°	24989.9	21383.3	17728.2	13907.0	10245.5	7340.3	6090.2	5266.9	4694.7	4423.1	4040.6
35°	32626.3	28418.9	24058.5	19704.4	15251.0	11074.4	7465.5	6090.2	5214.8	4649.0	4356.2
32.5°	41124.1	36101.6	30758.0	25770.5	20705.0	15738.4	11074.4	7340.3	5846.3	5059.5	4558.6
30°	49887.7	44185.6	38229.0	32051.8	26346.3	20705.0	15251.0	10245.5	6967.2	5517.3	4804.0
27.5°	60322.5	52356.9	45750.6	38945.4	32051.8	25770.5	19704.4	13907.0	8606.1	6354.1	5206.7
25°	73116.3	62533.4	53420.6	45750.6	38229.0	30758.0	24058.5	17728.2	11820.6	7280.7	5582.6
22.5°	87612.8	74754.5	62533.4	52356.9	44185.6	36101.6	28418.9	21383.3	14823.4	8965.3	6309.5
20°	101001.0	87612.8	73116.3	60322.5	49887.7	41124.1	32626.3	24989.9	17942.1	11500.8	7035.8
17.5°	113399.8	99244.1	84252.8	68270.9	55984.9	45937.5	36863.7	28368.9	20755.5	13782.7	7688.0
15°	124927.1	109770.4	94063.7	77561.1	62064.5	50250.2	40632.8	31378.8	23323.3	15955.6	9366.6
12.5°	136392.7	119039.8	102677.9	85710.0	67883.0	54547.6	44034.7	34384.0	25706.7	17930.3	10960.7
10°	146759.2	127428.7	109902.8	92367.8	74163.7	58629.0	46912.9	36886.6	27687.0	19568.0	12280.7
7.5°	156766.6	134656.1	115678.2	97687.9	79162.3	61866.2	49189.4	38861.6	29246.9	20855.9	13317.4
5°	164201.5	139984.4	119911.4	101570.2	82797.4	64213.9	50836.8	40288.2	30372.0	21783.7	14063.5
2.5°	168789.3	143253.3	122497.4	103934.3	85005.5	65637.2	51834.0	41150.7	31051.5	22343.6	14513.4
0°	170341.1	144355.5	123367.4	104728.3	85746.2	66114.2	52167.9	41439.3	31278.8	22530.8	14663.7
-2.5°	168789.3	143253.3	122497.4	103934.3	85005.5	65637.2	51834.0	41150.7	31051.5	22343.6	14513.4
-5°	164201.5	139984.4	119911.4	101570.2	82797.4	64213.9	50836.8	40288.2	30372.0	21783.7	14063.5
-7.5°	156766.6	134656.1	115678.2	97687.9	79162.3	61866.2	49189.4	38861.6	29246.9	20855.9	13317.4
-10°	146759.2	127428.7	109902.8	92367.8	74163.7	58629.0	46912.9	36886.6	27687.0	19568.0	12280.7
-12.5°	136392.7	119039.8	102677.9	85710.0	67883.0	54547.6	44034.7	34384.0	25706.7	17930.3	10960.7
-15°	124927.1	109770.4	94063.7	77561.1	62064.5	50250.2	40632.8	31378.8	23323.3	15955.6	9366.6
-17.5°	113399.8	99244.1	84252.8	68270.9	55984.9	45937.5	36863.7	28368.9	20755.5	13782.7	7688.0
-20°	101001.0	87612.8	73116.3	60322.5	49887.7	41124.1	32626.3	24989.9	17942.1	11500.8	7035.8



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	87612.8	74754.5	62533.4	52356.9	44185.6	36101.6	28418.9	21383.3	14823.4	8965.3	6309.5
-25°	73116.3	62533.4	53420.6	45750.6	38229.0	30758.0	24058.5	17728.2	11820.6	7280.7	5582.6
-27.5°	60322.5	52356.9	45750.6	38945.4	32051.8	25770.5	19704.4	13907.0	8606.1	6354.1	5206.7
-30°	49887.7	44185.6	38229.0	32051.8	26346.3	20705.0	15251.0	10245.5	6967.2	5517.3	4804.0
-32.5°	41124.1	36101.6	30758.0	25770.5	20705.0	15738.4	11074.4	7340.3	5846.3	5059.5	4558.6
-35°	32626.3	28418.9	24058.5	19704.4	15251.0	11074.4	7465.5	6090.2	5214.8	4649.0	4356.2
-37.5°	24989.9	21383.3	17728.2	13907.0	10245.5	7340.3	6090.2	5266.9	4694.7	4423.1	4040.6
-40°	17942.1	14823.4	11820.6	8606.1	6967.2	5846.3	5214.8	4694.7	4445.5	4115.7	3662.7
-42.5°	11500.8	8965.3	7280.7	6354.1	5517.3	5059.5	4649.0	4423.1	4115.7	3699.7	3251.1
-45°	7035.8	6309.5	5582.6	5206.7	4804.0	4558.6	4356.2	4040.6	3662.7	3251.1	2820.1
-47.5°	5416.4	5123.5	4801.9	4593.0	4425.0	4214.8	3891.7	3550.8	3173.8	2786.2	2426.1
-50°	4650.0	4528.8	4395.4	4222.2	3955.7	3671.4	3357.2	3020.5	2685.2	2359.4	2042.7
-52.5°	4259.8	4069.0	3858.7	3629.8	3370.8	3090.5	2796.4	2518.4	2227.0	1960.8	1698.4
-55°	3610.6	3426.3	3220.6	2996.5	2762.0	2532.2	2288.2	2050.3	1825.6	1590.9	1386.3
-57.5°	2918.5	2756.1	2588.8	2406.3	2209.2	2023.1	1836.2	1638.8	1457.0	1275.7	1093.4
-60°	2288.2	2150.4	2023.1	1884.5	1734.7	1576.2	1433.2	1282.0	1122.9	988.6	849.4
-62.5°	1747.4	1643.5	1538.2	1433.2	1319.5	1197.5	1077.7	967.3	851.0	732.3	633.2
-65°	1287.3	1209.3	1122.9	1046.3	964.2	875.9	781.8	695.6	613.6	527.6	442.2
-67.5°	905.2	849.4	787.7	725.2	668.1	606.6	541.0	471.4	415.3	363.5	309.4
-70°	597.0	558.7	516.3	469.8	429.7	393.2	354.2	312.9	269.2	234.9	204.8
-72.5°	365.5	343.2	318.4	291.3	261.8	239.1	217.9	195.3	171.5	146.4	125.5
-75°	208.8	196.9	183.7	169.2	153.5	136.5	124.6	114.6	104.1	93.1	81.5
-77.5°	111.7	106.6	101.0	94.8	88.0	80.8	73.0	66.5	63.2	59.7	56.0
-80°	61.7	60.2	58.5	56.6	54.5	52.3	50.0	47.5	44.8	42.2	39.8
-82.5°	39.7	38.8	37.7	36.5	35.2	33.9	32.4	30.8	29.2	27.4	25.6
-85°	21.3	20.7	20.2	19.6	18.9	18.1	17.4	16.5	15.7	14.7	13.8
-87.5°	6.7	6.6	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	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: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-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°	4.8	4.6	4.3	4.1	3.8	3.5	3.3	3.0	2.7	2.4	2.1
85°	12.7	11.7	10.6	9.5	8.3	7.1	6.6	6.0	5.4	4.9	4.3
82.5°	23.7	22.0	20.4	18.7	16.9	15.1	13.3	11.4	9.4	7.5	6.4
80°	37.2	34.6	31.8	29.0	26.1	23.1	20.6	18.1	15.5	12.9	10.3
77.5°	52.2	48.2	44.1	40.4	36.8	33.0	29.1	25.2	21.6	18.3	15.0
75°	69.4	63.5	58.6	53.4	48.2	42.9	38.3	33.5	28.7	23.8	19.7
72.5°	111.4	96.7	81.5	66.9	60.8	54.5	48.1	41.8	36.2	30.5	24.7
70°	173.5	141.0	118.9	101.0	82.6	66.1	58.8	51.2	43.6	37.1	30.5
67.5°	253.5	216.9	179.0	140.0	115.1	93.8	72.1	60.9	52.3	43.6	36.2
65°	379.4	314.3	249.8	206.5	162.0	123.5	99.5	74.9	60.9	51.2	41.8
62.5°	530.2	432.6	358.6	282.5	223.0	173.0	126.4	99.5	72.1	58.8	48.1
60°	713.5	597.0	476.9	385.4	300.2	228.6	173.0	123.5	93.8	66.1	54.5
57.5°	936.4	774.3	637.3	503.6	394.3	300.2	223.0	162.0	115.1	82.6	60.8
55°	1175.0	989.1	809.2	650.8	503.6	385.4	282.5	206.5	140.0	101.0	66.9
52.5°	1453.2	1219.3	1006.7	809.2	637.3	476.9	358.6	249.8	179.0	118.9	81.5
50°	1752.5	1475.6	1219.3	989.1	774.3	597.0	432.6	314.3	216.9	141.0	96.7
47.5°	2070.2	1752.5	1453.2	1175.0	936.4	713.5	530.2	379.4	253.5	173.5	111.4
45°	2426.1	2042.7	1698.4	1386.3	1093.4	849.4	633.2	442.2	309.4	204.8	125.5
42.5°	2786.2	2359.4	1960.8	1590.9	1275.7	988.6	732.3	527.6	363.5	234.9	146.4
40°	3173.8	2685.2	2227.0	1825.6	1457.0	1122.9	851.0	613.6	415.3	269.2	171.5
37.5°	3550.8	3020.5	2518.4	2050.3	1638.8	1282.0	967.3	695.6	471.4	312.9	195.3
35°	3891.7	3357.2	2796.4	2288.2	1836.2	1433.2	1077.7	781.8	541.0	354.2	217.9
32.5°	4214.8	3671.4	3090.5	2532.2	2023.1	1576.2	1197.5	875.9	606.6	393.2	239.1
30°	4425.0	3955.7	3370.8	2762.0	2209.2	1734.7	1319.5	964.2	668.1	429.7	261.8
27.5°	4593.0	4222.2	3629.8	2996.5	2406.3	1884.5	1433.2	1046.3	725.2	469.8	291.3
25°	4801.9	4395.4	3858.7	3220.6	2588.8	2023.1	1538.2	1122.9	787.7	516.3	318.4
22.5°	5123.5	4528.8	4069.0	3426.3	2756.1	2150.4	1643.5	1209.3	849.4	558.7	343.2
20°	5416.4	4650.0	4259.8	3610.6	2918.5	2288.2	1747.4	1287.3	905.2	597.0	365.5
17.5°	5734.1	4821.9	4372.2	3766.9	3070.5	2411.0	1839.8	1356.7	954.7	631.0	385.4
15°	6263.6	5034.3	4459.6	3903.9	3203.4	2518.4	1920.5	1417.3	997.9	660.6	402.6
12.5°	6717.2	5216.0	4534.4	4020.8	3316.9	2609.8	1989.2	1468.8	1034.7	685.8	417.3
10°	7092.3	5366.1	4596.1	4117.2	3410.3	2685.2	2045.8	1511.2	1064.9	706.6	429.4
7.5°	7386.5	5483.8	4644.4	4192.6	3483.4	2744.0	2090.0	1544.3	1088.5	722.7	438.8
5°	7598.1	5568.3	4679.0	4246.7	3535.8	2786.2	2121.7	1568.1	1105.4	734.3	445.6
2.5°	7725.6	5619.2	4699.9	4279.3	3567.4	2811.6	2140.7	1582.3	1115.6	741.3	449.6
0°	7768.2	5636.2	4706.9	4290.2	3577.9	2820.1	2147.1	1587.1	1119.0	743.6	451.0
-2.5°	7725.6	5619.2	4699.9	4279.3	3567.4	2811.6	2140.7	1582.3	1115.6	741.3	449.6
-5°	7598.1	5568.3	4679.0	4246.7	3535.8	2786.2	2121.7	1568.1	1105.4	734.3	445.6
-7.5°	7386.5	5483.8	4644.4	4192.6	3483.4	2744.0	2090.0	1544.3	1088.5	722.7	438.8
-10°	7092.3	5366.1	4596.1	4117.2	3410.3	2685.2	2045.8	1511.2	1064.9	706.6	429.4
-12.5°	6717.2	5216.0	4534.4	4020.8	3316.9	2609.8	1989.2	1468.8	1034.7	685.8	417.3
-15°	6263.6	5034.3	4459.6	3903.9	3203.4	2518.4	1920.5	1417.3	997.9	660.6	402.6
-17.5°	5734.1	4821.9	4372.2	3766.9	3070.5	2411.0	1839.8	1356.7	954.7	631.0	385.4
-20°	5416.4	4650.0	4259.8	3610.6	2918.5	2288.2	1747.4	1287.3	905.2	597.0	365.5



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5123.5	4528.8	4069.0	3426.3	2756.1	2150.4	1643.5	1209.3	849.4	558.7	343.2
-25°	4801.9	4395.4	3858.7	3220.6	2588.8	2023.1	1538.2	1122.9	787.7	516.3	318.4
-27.5°	4593.0	4222.2	3629.8	2996.5	2406.3	1884.5	1433.2	1046.3	725.2	469.8	291.3
-30°	4425.0	3955.7	3370.8	2762.0	2209.2	1734.7	1319.5	964.2	668.1	429.7	261.8
-32.5°	4214.8	3671.4	3090.5	2532.2	2023.1	1576.2	1197.5	875.9	606.6	393.2	239.1
-35°	3891.7	3357.2	2796.4	2288.2	1836.2	1433.2	1077.7	781.8	541.0	354.2	217.9
-37.5°	3550.8	3020.5	2518.4	2050.3	1638.8	1282.0	967.3	695.6	471.4	312.9	195.3
-40°	3173.8	2685.2	2227.0	1825.6	1457.0	1122.9	851.0	613.6	415.3	269.2	171.5
-42.5°	2786.2	2359.4	1960.8	1590.9	1275.7	988.6	732.3	527.6	363.5	234.9	146.4
-45°	2426.1	2042.7	1698.4	1386.3	1093.4	849.4	633.2	442.2	309.4	204.8	125.5
-47.5°	2070.2	1752.5	1453.2	1175.0	936.4	713.5	530.2	379.4	253.5	173.5	111.4
-50°	1752.5	1475.6	1219.3	989.1	774.3	597.0	432.6	314.3	216.9	141.0	96.7
-52.5°	1453.2	1219.3	1006.7	809.2	637.3	476.9	358.6	249.8	179.0	118.9	81.5
-55°	1175.0	989.1	809.2	650.8	503.6	385.4	282.5	206.5	140.0	101.0	66.9
-57.5°	936.4	774.3	637.3	503.6	394.3	300.2	223.0	162.0	115.1	82.6	60.8
-60°	713.5	597.0	476.9	385.4	300.2	228.6	173.0	123.5	93.8	66.1	54.5
-62.5°	530.2	432.6	358.6	282.5	223.0	173.0	126.4	99.5	72.1	58.8	48.1
-65°	379.4	314.3	249.8	206.5	162.0	123.5	99.5	74.9	60.9	51.2	41.8
-67.5°	253.5	216.9	179.0	140.0	115.1	93.8	72.1	60.9	52.3	43.6	36.2
-70°	173.5	141.0	118.9	101.0	82.6	66.1	58.8	51.2	43.6	37.1	30.5
-72.5°	111.4	96.7	81.5	66.9	60.8	54.5	48.1	41.8	36.2	30.5	24.7
-75°	69.4	63.5	58.6	53.4	48.2	42.9	38.3	33.5	28.7	23.8	19.7
-77.5°	52.2	48.2	44.1	40.4	36.8	33.0	29.1	25.2	21.6	18.3	15.0
-80°	37.2	34.6	31.8	29.0	26.1	23.1	20.6	18.1	15.5	12.9	10.3
-82.5°	23.7	22.0	20.4	18.7	16.9	15.1	13.3	11.4	9.4	7.5	6.4
-85°	12.7	11.7	10.6	9.5	8.3	7.1	6.6	6.0	5.4	4.9	4.3
-87.5°	4.8	4.6	4.3	4.1	3.8	3.5	3.3	3.0	2.7	2.4	2.1
-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: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.7	3.1	2.5	1.9	1.2	0.6	0.0
82.5°	5.5	4.6	3.7	2.8	1.9	0.9	0.0
80°	7.6	6.1	4.9	3.7	2.5	1.2	0.0
77.5°	11.7	8.3	6.1	4.6	3.1	1.5	0.0
75°	15.7	11.7	7.6	5.5	3.7	1.8	0.0
72.5°	19.7	15.0	10.3	6.4	4.3	2.1	0.0
70°	23.8	18.3	12.9	7.5	4.9	2.4	0.0
67.5°	28.7	21.6	15.5	9.4	5.4	2.7	0.0
65°	33.5	25.2	18.1	11.4	6.0	3.0	0.0
62.5°	38.3	29.1	20.6	13.3	6.6	3.3	0.0
60°	42.9	33.0	23.1	15.1	7.1	3.5	0.0
57.5°	48.2	36.8	26.1	16.9	8.3	3.8	0.0
55°	53.4	40.4	29.0	18.7	9.5	4.1	0.0
52.5°	58.6	44.1	31.8	20.4	10.6	4.3	0.0
50°	63.5	48.2	34.6	22.0	11.7	4.6	0.0
47.5°	69.4	52.2	37.2	23.7	12.7	4.8	0.0
45°	81.5	56.0	39.8	25.6	13.8	5.0	0.0
42.5°	93.1	59.7	42.2	27.4	14.7	5.2	0.0
40°	104.1	63.2	44.8	29.2	15.7	5.4	0.0
37.5°	114.6	66.5	47.5	30.8	16.5	5.6	0.0
35°	124.6	73.0	50.0	32.4	17.4	5.8	0.0
32.5°	136.5	80.8	52.3	33.9	18.1	6.0	0.0
30°	153.5	88.0	54.5	35.2	18.9	6.1	0.0
27.5°	169.2	94.8	56.6	36.5	19.6	6.3	0.0
25°	183.7	101.0	58.5	37.7	20.2	6.4	0.0
22.5°	196.9	106.6	60.2	38.8	20.7	6.6	0.0
20°	208.8	111.7	61.7	39.7	21.3	6.7	0.0
17.5°	219.4	116.3	63.1	40.6	21.7	6.8	0.0
15°	228.6	120.2	64.3	41.3	22.1	6.9	0.0
12.5°	236.4	123.5	65.3	42.0	22.4	6.9	0.0
10°	242.8	126.3	66.1	42.5	22.7	7.0	0.0
7.5°	247.8	128.4	66.8	42.9	22.9	7.0	0.0
5°	251.4	130.0	67.2	43.2	23.1	7.1	0.0
2.5°	253.6	130.9	67.5	43.3	23.2	7.1	0.0
0°	254.3	131.2	67.6	43.4	23.2	7.1	0.0
-2.5°	253.6	130.9	67.5	43.3	23.2	7.1	0.0
-5°	251.4	130.0	67.2	43.2	23.1	7.1	0.0
-7.5°	247.8	128.4	66.8	42.9	22.9	7.0	0.0
-10°	242.8	126.3	66.1	42.5	22.7	7.0	0.0
-12.5°	236.4	123.5	65.3	42.0	22.4	6.9	0.0
-15°	228.6	120.2	64.3	41.3	22.1	6.9	0.0
-17.5°	219.4	116.3	63.1	40.6	21.7	6.8	0.0
-20°	208.8	111.7	61.7	39.7	21.3	6.7	0.0



REPORT NUMBER: P699867 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-5S-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	196.9	106.6	60.2	38.8	20.7	6.6	0.0
-25°	183.7	101.0	58.5	37.7	20.2	6.4	0.0
-27.5°	169.2	94.8	56.6	36.5	19.6	6.3	0.0
-30°	153.5	88.0	54.5	35.2	18.9	6.1	0.0
-32.5°	136.5	80.8	52.3	33.9	18.1	6.0	0.0
-35°	124.6	73.0	50.0	32.4	17.4	5.8	0.0
-37.5°	114.6	66.5	47.5	30.8	16.5	5.6	0.0
-40°	104.1	63.2	44.8	29.2	15.7	5.4	0.0
-42.5°	93.1	59.7	42.2	27.4	14.7	5.2	0.0
-45°	81.5	56.0	39.8	25.6	13.8	5.0	0.0
-47.5°	69.4	52.2	37.2	23.7	12.7	4.8	0.0
-50°	63.5	48.2	34.6	22.0	11.7	4.6	0.0
-52.5°	58.6	44.1	31.8	20.4	10.6	4.3	0.0
-55°	53.4	40.4	29.0	18.7	9.5	4.1	0.0
-57.5°	48.2	36.8	26.1	16.9	8.3	3.8	0.0
-60°	42.9	33.0	23.1	15.1	7.1	3.5	0.0
-62.5°	38.3	29.1	20.6	13.3	6.6	3.3	0.0
-65°	33.5	25.2	18.1	11.4	6.0	3.0	0.0
-67.5°	28.7	21.6	15.5	9.4	5.4	2.7	0.0
-70°	23.8	18.3	12.9	7.5	4.9	2.4	0.0
-72.5°	19.7	15.0	10.3	6.4	4.3	2.1	0.0
-75°	15.7	11.7	7.6	5.5	3.7	1.8	0.0
-77.5°	11.7	8.3	6.1	4.6	3.1	1.5	0.0
-80°	7.6	6.1	4.9	3.7	2.5	1.2	0.0
-82.5°	5.5	4.6	3.7	2.8	1.9	0.9	0.0
-85°	3.7	3.1	2.5	1.9	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)