

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: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-70-5L-S**

Issue Date: 8/10/2023

**Test Information**

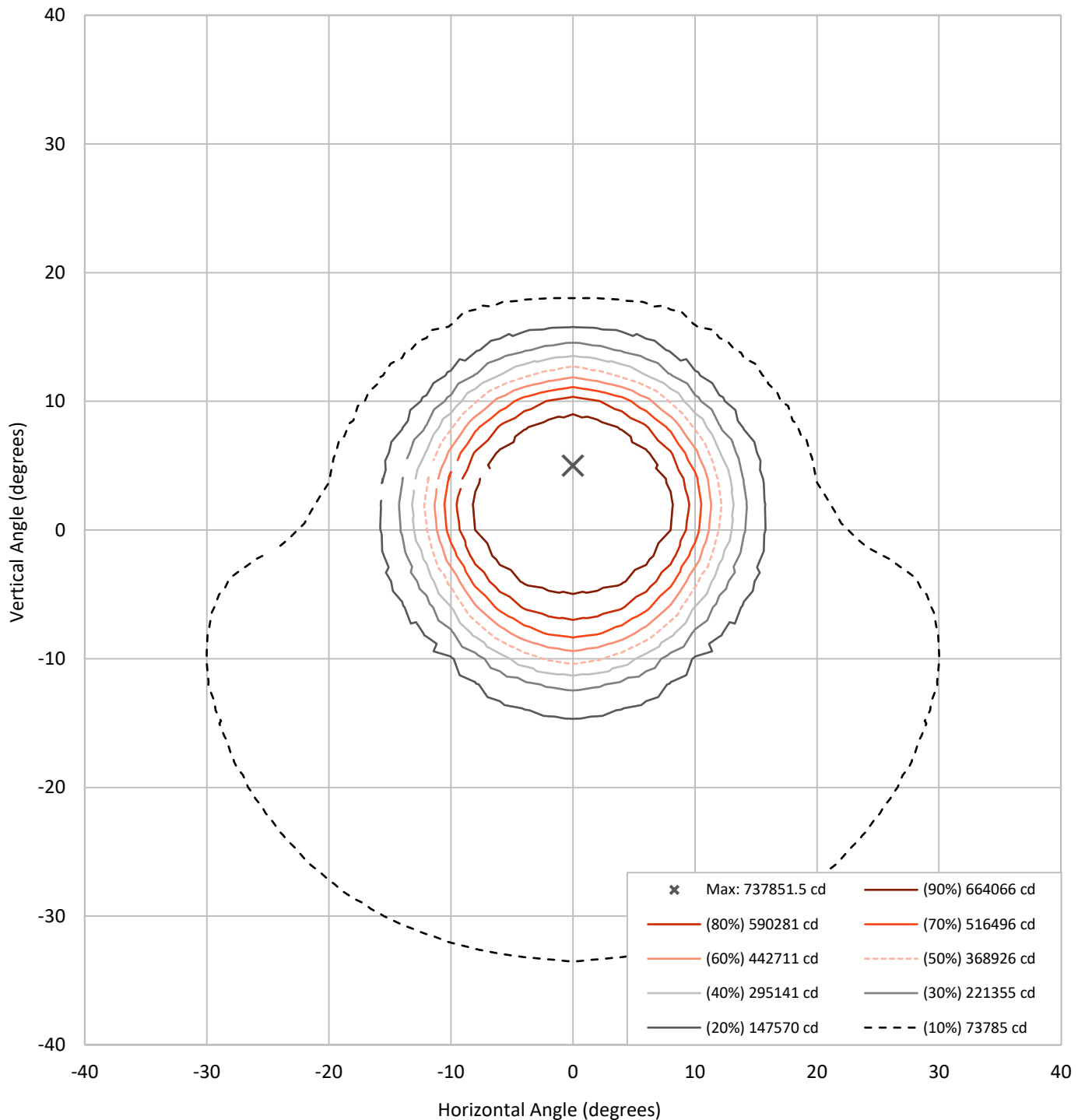
Test Method: LM-79-08  
Report Number: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200L-57-70-5L-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 70 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:	174404.3 lumens	Max Intensity:	737851.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	138.9 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:	77399.3 lumens	Field Lumens:	142016 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: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

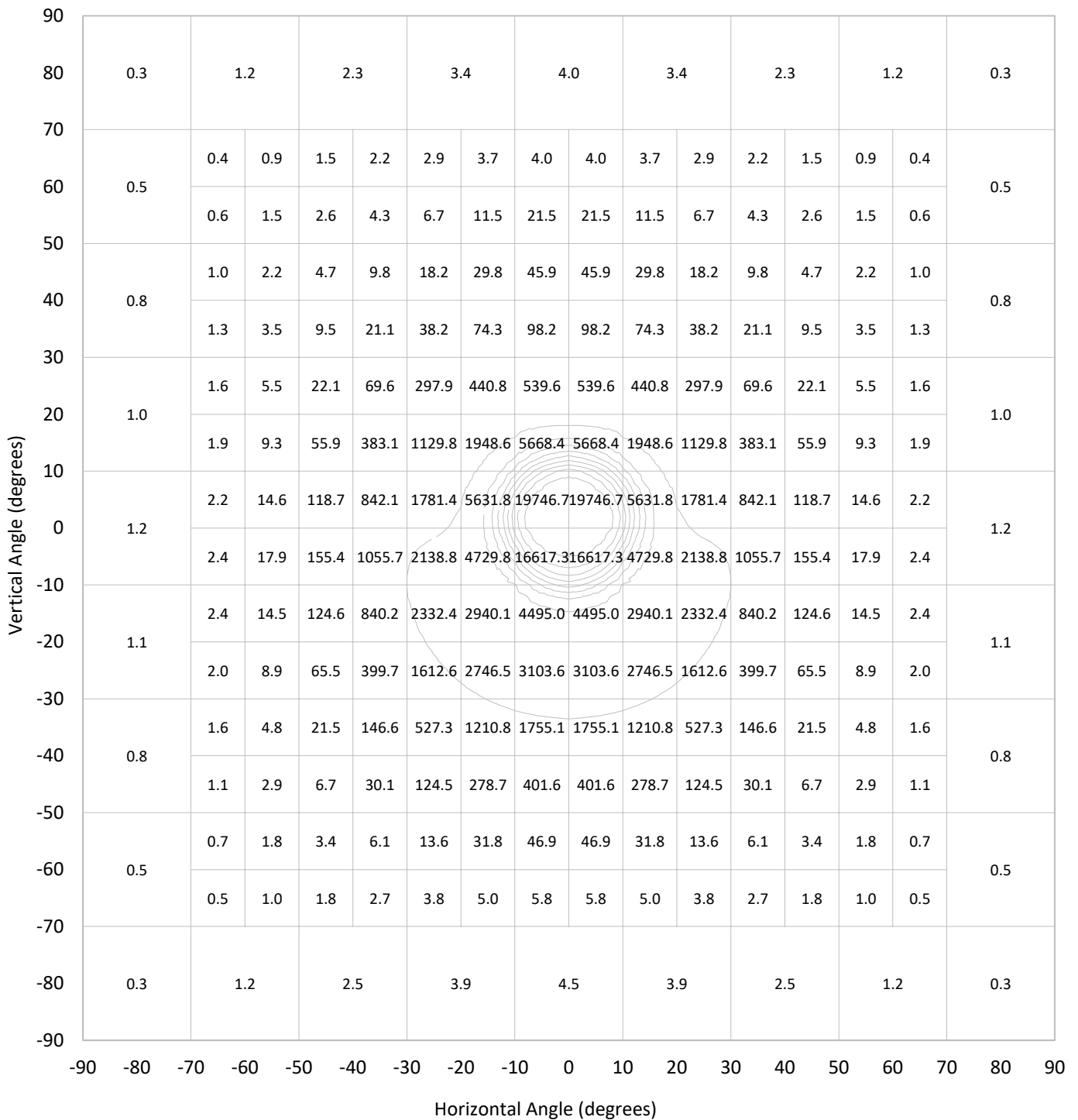
### Iso-Candela Plot





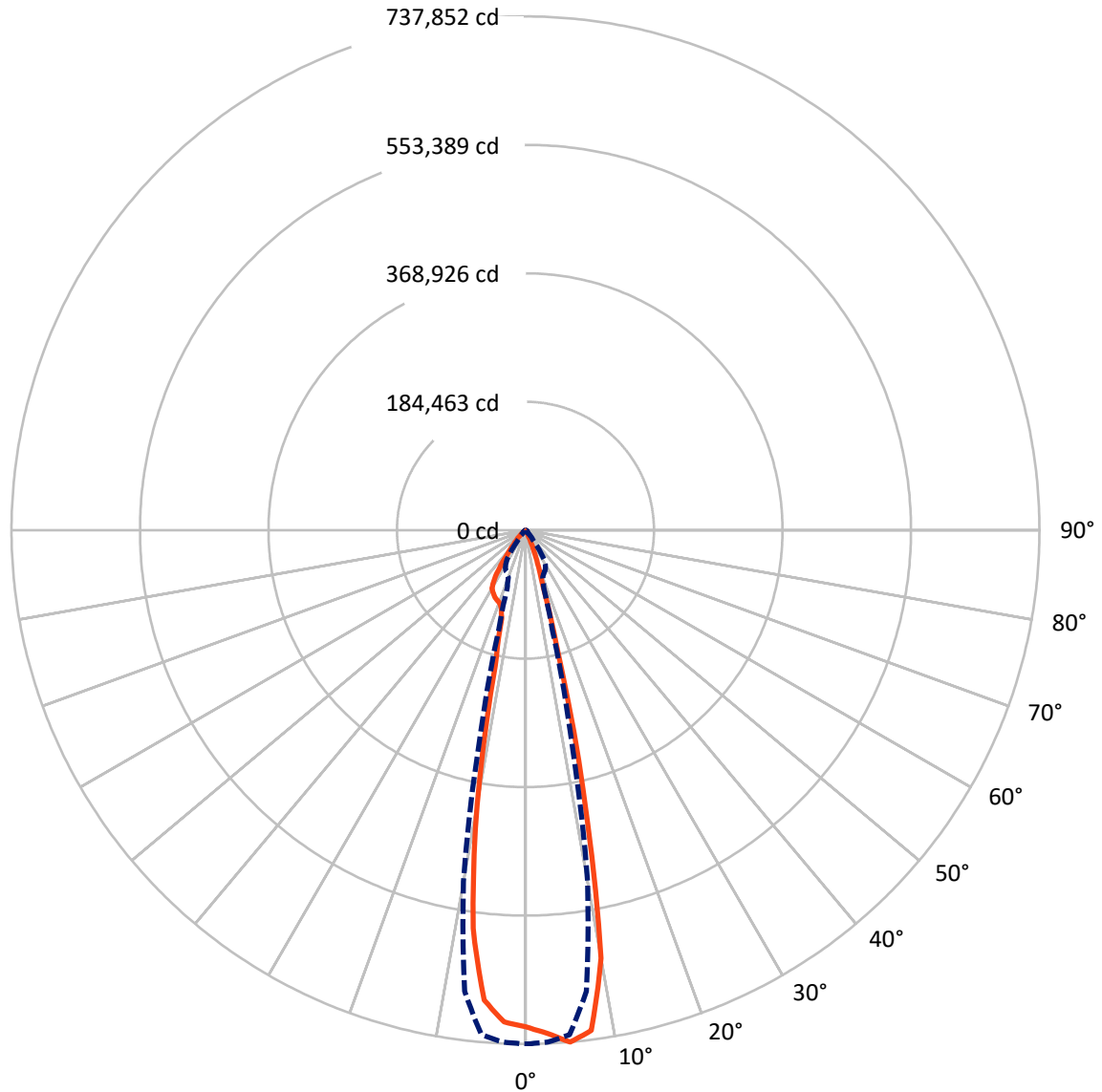
REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

### Lumen Table



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

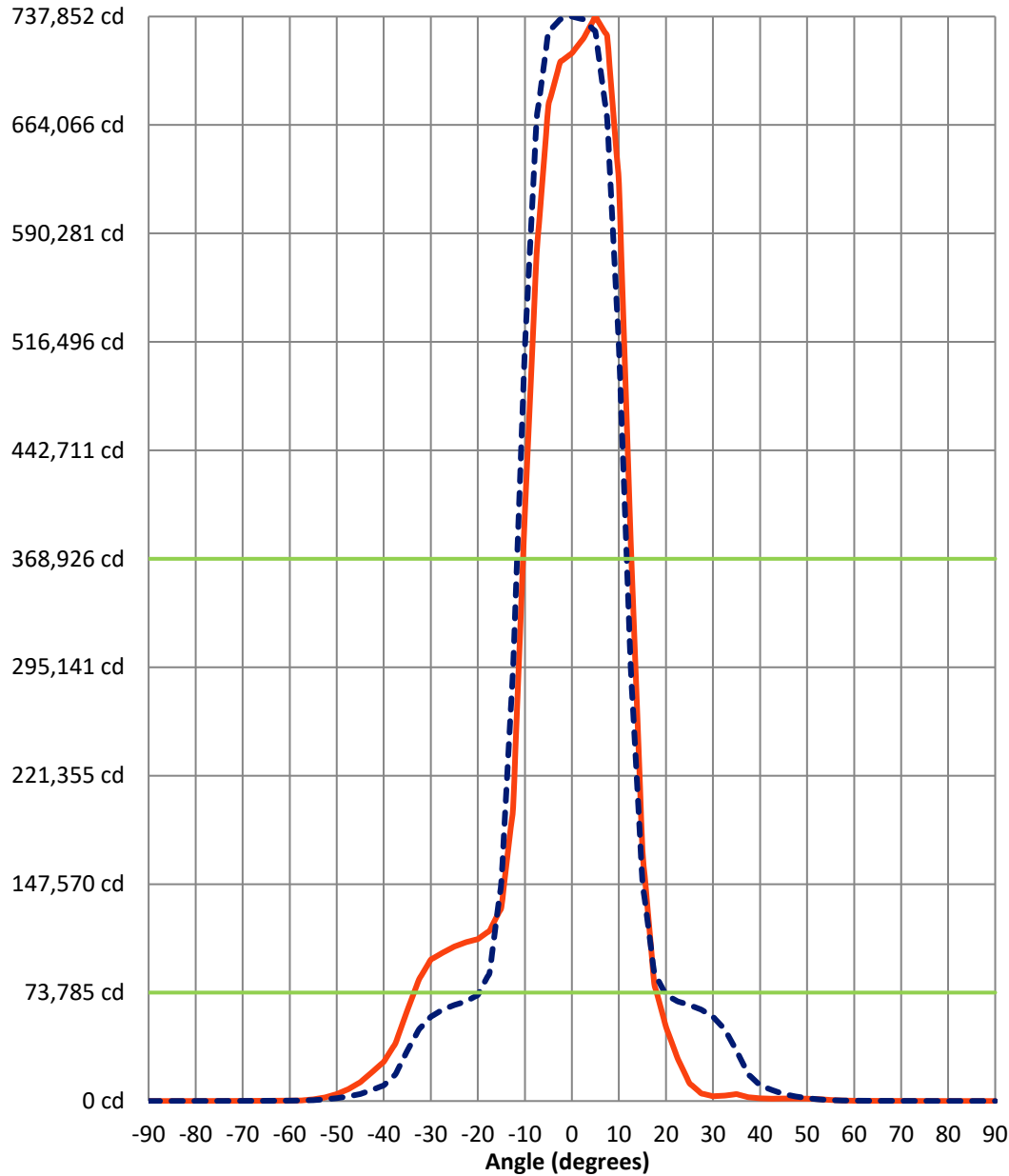
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.3°  
 V Angle: 23°  
 Lumens: 77399.3  
 Efficiency: 44.4%

**Field:**  
 H Angle: 39.5°  
 V Angle: 51.6°  
 Lumens: 142016  
 Efficiency: 81.4%

**Spill:**  
 Lumens: 32388.2  
 Efficiency: 18.6%

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



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-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	0.8	1.6	2.3	3.1	3.9	4.7	5.3	6.0	6.6	7.2
85°	0.0	1.6	3.1	4.7	6.2	7.8	9.3	10.7	12.0	13.2	14.4
82.5°	0.0	2.3	4.7	7.0	9.4	11.7	13.9	16.0	17.6	17.8	18.1
80°	0.0	3.1	6.2	9.4	12.4	15.5	18.1	18.6	19.0	19.4	19.8
77.5°	0.0	3.9	7.8	11.7	15.5	18.3	19.1	19.8	20.3	20.9	21.5
75°	0.0	4.7	9.3	13.9	18.1	19.1	20.1	20.9	21.7	22.7	23.6
72.5°	0.0	5.4	10.8	16.2	18.8	20.0	21.1	22.2	23.4	24.6	25.7
70°	0.0	6.2	12.3	18.1	19.4	20.8	22.2	23.7	25.0	26.4	28.1
67.5°	0.0	6.9	13.8	18.6	20.1	21.6	23.4	25.1	26.7	28.6	30.5
65°	0.0	7.6	15.2	19.1	20.7	22.5	24.6	26.5	28.6	30.8	33.1
62.5°	0.0	8.3	16.6	19.5	21.4	23.5	25.7	28.1	30.5	33.0	36.1
60°	0.0	9.0	18.0	20.0	22.0	24.4	26.9	29.7	32.4	35.6	39.1
57.5°	0.0	9.7	18.3	20.4	22.7	25.4	28.2	31.3	34.5	38.1	43.1
55°	0.0	10.3	18.6	20.9	23.4	26.3	29.6	32.9	36.6	40.9	47.6
52.5°	0.0	11.0	18.9	21.3	24.1	27.2	30.9	34.7	38.6	44.9	52.0
50°	0.0	11.6	19.1	21.7	24.8	28.3	32.3	36.4	41.0	48.9	59.1
47.5°	0.0	12.2	19.4	22.1	25.5	29.4	33.6	38.1	44.5	52.7	66.2
45°	0.0	12.7	19.7	22.6	26.1	30.4	35.0	39.8	48.0	58.8	73.0
42.5°	0.0	13.3	19.9	23.0	26.7	31.5	36.5	42.3	51.4	64.6	80.0
40°	0.0	13.8	20.1	23.5	27.4	32.5	37.8	45.2	55.3	70.2	87.0
37.5°	0.0	14.3	20.3	23.9	28.2	33.4	39.2	48.0	60.3	76.1	93.8
35°	0.0	14.7	20.6	24.3	28.9	34.4	40.5	50.8	65.1	82.2	99.7
32.5°	0.0	15.2	20.7	24.6	29.6	35.4	42.0	53.4	69.7	88.0	104.6
30°	0.0	15.6	20.9	25.0	30.2	36.4	44.1	56.2	74.0	93.5	109.3
27.5°	0.0	16.0	21.1	25.3	30.8	37.3	46.1	59.8	78.3	98.6	113.8
25°	0.0	16.3	21.2	25.6	31.4	38.1	48.0	63.1	82.5	102.7	118.3
22.5°	0.0	16.6	21.4	25.9	31.8	38.9	49.7	66.1	86.4	106.3	124.1
20°	0.0	16.9	21.5	26.1	32.3	39.6	51.4	68.9	89.9	109.7	129.5
17.5°	0.0	17.2	21.6	26.3	32.7	40.3	52.8	71.5	93.1	112.8	134.5
15°	0.0	17.4	21.7	26.5	33.0	40.9	54.1	73.7	96.0	115.8	139.1
12.5°	0.0	17.6	21.8	26.6	33.3	41.4	55.2	75.6	98.8	118.4	143.2
10°	0.0	17.7	21.9	26.8	33.6	41.9	56.1	77.3	101.5	121.6	147.7
7.5°	0.0	17.8	21.9	26.9	33.8	42.3	56.8	78.7	103.9	124.7	153.7
5°	0.0	17.9	22.0	26.9	33.9	42.6	57.4	79.7	106.0	127.5	159.3
2.5°	0.0	18.0	22.0	27.0	34.0	42.8	57.8	80.5	107.7	129.9	164.5
0°	0.0	18.0	22.0	27.0	34.0	43.0	58.0	81.0	109.0	132.0	169.0
-2.5°	0.0	18.0	22.0	27.0	34.0	43.1	58.0	81.2	109.3	133.2	172.6
-5°	0.0	17.9	22.0	26.9	33.9	43.0	57.9	81.0	109.2	134.0	175.2
-7.5°	0.0	17.8	21.9	26.9	33.8	42.9	57.6	80.5	108.6	134.3	176.8
-10°	0.0	17.7	21.9	26.8	33.6	42.7	57.1	79.7	107.5	134.0	177.2
-12.5°	0.0	17.6	21.8	26.6	33.3	42.4	56.5	78.5	106.0	133.0	173.8
-15°	0.0	17.4	21.7	26.5	33.0	42.0	55.7	77.0	104.0	130.6	168.4
-17.5°	0.0	17.2	21.6	26.3	32.7	41.5	54.7	75.1	101.4	127.9	162.3
-20°	0.0	16.9	21.5	26.1	32.3	40.8	53.5	72.9	98.4	124.8	155.5



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.6	21.4	25.9	31.8	40.1	52.1	70.3	95.0	121.3	148.3
-25°	0.0	16.3	21.2	25.6	31.4	39.3	50.5	67.3	91.1	117.5	140.6
-27.5°	0.0	16.0	21.1	25.3	30.8	38.3	48.8	64.0	86.7	113.1	135.6
-30°	0.0	15.6	20.9	25.0	30.2	37.2	47.0	60.4	82.4	107.7	130.5
-32.5°	0.0	15.2	20.7	24.6	29.6	36.0	45.0	57.6	77.8	101.8	125.1
-35°	0.0	14.7	20.6	24.3	28.9	34.7	43.3	55.1	72.9	95.5	119.4
-37.5°	0.0	14.3	20.3	23.9	28.2	33.4	41.6	52.4	67.6	88.7	112.2
-40°	0.0	13.8	20.1	23.5	27.4	32.5	39.8	49.6	61.8	82.1	103.9
-42.5°	0.0	13.3	19.9	23.0	26.7	31.5	37.9	46.6	57.5	75.0	95.2
-45°	0.0	12.7	19.7	22.6	26.1	30.4	35.9	43.7	53.9	67.6	86.1
-47.5°	0.0	12.2	19.4	22.1	25.4	29.4	33.7	41.2	50.2	59.9	77.4
-50°	0.0	11.6	19.1	21.6	24.7	28.3	32.3	38.5	46.2	55.4	68.4
-52.5°	0.0	11.0	18.9	21.2	24.0	27.2	30.9	35.7	42.6	50.8	59.5
-55°	0.0	10.3	18.6	20.8	23.2	26.2	29.6	32.9	39.2	46.1	54.2
-57.5°	0.0	9.7	18.3	20.3	22.4	25.2	28.2	31.3	35.5	41.7	48.7
-60°	0.0	9.0	18.0	19.8	21.6	24.1	26.9	29.7	32.1	37.4	43.4
-62.5°	0.0	8.3	16.6	19.4	21.0	23.0	25.5	28.0	30.2	32.9	38.3
-65°	0.0	7.6	15.2	18.9	20.3	21.9	24.1	26.3	28.3	30.2	33.0
-67.5°	0.0	6.9	13.8	18.4	19.7	20.9	22.7	24.7	26.3	28.0	29.7
-70°	0.0	6.2	12.3	17.9	19.0	20.1	21.3	23.0	24.5	25.8	27.2
-72.5°	0.0	5.4	10.8	16.0	18.3	19.3	20.2	21.3	22.6	23.8	24.8
-75°	0.0	4.7	9.3	13.8	17.7	18.4	19.2	19.9	20.7	21.8	22.7
-77.5°	0.0	3.9	7.8	11.5	15.1	17.6	18.2	18.8	19.3	19.9	20.6
-80°	0.0	3.1	6.2	9.2	12.1	14.9	17.1	17.6	18.0	18.4	18.8
-82.5°	0.0	2.3	4.7	6.9	9.1	11.2	13.2	15.1	16.6	16.8	17.1
-85°	0.0	1.6	3.1	4.6	6.1	7.5	8.8	10.1	11.3	12.4	13.5
-87.5°	0.0	0.8	1.6	2.3	3.0	3.7	4.4	5.0	5.6	6.2	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: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-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°	7.7	8.2	8.7	9.2	9.6	10.0	10.3	10.6	10.7	10.7	10.7
85°	15.5	16.5	16.6	16.6	16.6	16.5	16.4	16.3	15.9	15.6	15.3
82.5°	18.3	18.5	18.7	18.9	18.9	18.8	18.6	18.5	18.4	18.2	18.1
80°	20.1	20.5	21.0	21.5	21.6	21.6	21.6	21.4	21.4	21.5	21.8
77.5°	22.3	23.0	23.7	24.3	24.6	25.0	25.4	25.8	26.3	26.9	27.3
75°	24.6	25.5	26.5	27.6	28.4	29.1	30.0	31.4	32.8	34.4	36.1
72.5°	27.0	28.4	29.7	31.0	32.8	34.6	36.4	38.3	40.5	42.8	44.9
70°	29.7	31.3	33.4	35.8	38.2	40.6	43.6	46.4	49.0	52.0	55.4
67.5°	32.5	35.1	37.8	40.9	44.6	48.1	51.4	56.3	60.9	65.0	68.7
65°	36.0	39.0	43.0	47.3	51.6	57.5	63.3	68.7	74.0	78.8	83.1
62.5°	39.4	44.1	49.0	54.9	62.2	68.9	75.3	81.5	87.5	91.7	95.5
60°	44.1	49.5	56.9	65.4	73.1	80.3	87.4	93.1	98.1	102.9	110.1
57.5°	49.0	57.1	67.0	75.8	83.9	91.2	97.2	102.9	111.3	119.6	128.3
55°	55.3	66.6	76.8	85.9	93.7	100.0	107.5	117.6	127.2	139.1	150.6
52.5°	63.8	75.8	86.1	94.9	101.7	110.6	121.9	134.6	148.6	162.9	182.1
50°	72.0	84.2	94.7	102.1	111.6	124.1	139.3	155.7	174.6	195.6	218.3
47.5°	79.8	92.6	101.1	110.3	124.2	140.8	159.7	181.3	204.2	232.1	257.4
45°	87.6	99.3	107.6	121.8	138.8	159.9	184.7	207.9	241.0	273.5	313.4
42.5°	95.4	105.3	117.6	133.1	156.4	183.6	212.0	245.8	282.2	326.5	390.8
40°	101.2	111.5	128.2	149.7	175.9	210.6	248.3	287.1	331.1	403.3	489.2
37.5°	106.6	120.8	139.8	166.6	201.9	242.6	285.7	337.3	406.9	493.6	609.5
35°	112.0	129.9	155.4	187.8	228.7	277.8	332.7	402.0	505.2	614.5	729.7
32.5°	118.9	138.6	171.0	211.9	260.4	315.9	380.7	499.7	637.9	766.3	854.1
30°	126.5	152.0	188.2	235.3	291.9	361.2	465.0	612.2	795.2	953.1	1059.7
27.5°	133.8	165.5	208.6	261.7	325.0	407.7	576.1	771.1	984.7	1174.2	1316.5
25°	140.8	178.0	228.2	288.5	366.6	498.4	715.5	974.3	1208.6	1448.9	1662.6
22.5°	149.3	189.6	245.5	314.0	408.2	613.1	906.2	1234.8	1545.9	1793.7	2078.8
20°	158.9	203.9	263.9	339.6	451.3	735.6	1112.0	1535.1	1966.6	2423.9	2968.2
17.5°	167.6	216.9	282.7	377.7	554.6	897.2	1337.5	1865.3	2445.2	3231.2	4421.3
15°	175.3	228.7	299.8	418.5	673.0	1104.6	1658.4	2294.8	3083.3	4297.4	6146.8
12.5°	182.0	239.0	315.2	460.8	793.5	1318.6	2018.8	2872.5	4042.2	5775.6	9570.9
10°	187.7	247.9	328.8	503.0	912.6	1533.2	2397.2	3496.0	5172.6	7473.7	12839.8
7.5°	196.8	257.1	341.6	543.6	1026.4	1741.9	2779.5	4141.2	6359.3	9123.7	15749.0
5°	205.8	266.5	358.8	600.4	1147.3	1956.5	3157.1	4781.2	7548.3	10691.0	18268.6
2.5°	213.9	274.0	374.1	656.5	1264.9	2181.8	3534.0	5370.0	8545.4	12129.5	20543.6
0°	221.0	280.0	387.0	706.0	1365.0	2380.0	3866.0	5893.0	9392.0	13414.0	22532.0
-2.5°	227.4	287.9	403.9	741.1	1410.1	2485.2	4047.6	6230.6	9792.3	14075.7	23732.1
-5°	232.4	294.2	416.9	764.4	1431.8	2545.9	4159.9	6458.1	9970.4	14421.4	24183.3
-7.5°	235.9	298.9	425.5	770.4	1402.3	2469.8	4046.0	6308.6	9730.9	14321.7	23772.6
-10°	236.7	299.2	430.0	739.8	1310.3	2296.1	3817.4	6029.1	9297.4	13866.2	22556.5
-12.5°	230.0	294.7	426.9	703.2	1203.8	2085.0	3505.4	5613.4	8664.7	13015.9	20405.0
-15°	221.8	287.3	414.8	662.3	1085.1	1838.1	3106.3	5054.7	7840.8	11767.7	17227.2
-17.5°	212.2	276.9	392.4	618.7	956.8	1557.5	2620.2	4383.9	6975.9	10586.5	15529.9
-20°	201.1	263.3	358.9	573.9	833.8	1316.2	2245.1	3803.3	6116.0	9318.8	13570.8



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	188.7	246.2	326.7	533.4	744.7	1124.7	1860.5	3125.0	5066.5	7815.6	11582.7
-25°	177.3	231.1	306.5	456.4	647.7	918.1	1431.9	2401.2	4076.1	6557.9	9815.7
-27.5°	167.7	214.6	277.3	380.9	548.9	728.1	1131.2	1900.0	3201.8	5129.3	7900.1
-30°	157.8	195.8	246.6	317.7	461.3	617.4	879.1	1378.6	2340.1	3948.1	6177.0
-32.5°	147.4	177.6	222.1	282.6	381.1	506.9	655.5	1038.8	1732.2	2782.7	4497.8
-35°	138.1	165.4	201.1	246.1	308.7	416.6	539.3	736.7	1159.5	1972.9	3243.1
-37.5°	131.2	152.9	180.6	215.4	268.0	340.5	423.1	547.9	806.1	1261.0	2258.3
-40°	124.2	140.2	165.1	193.7	228.2	281.3	348.6	418.3	532.9	887.0	1407.9
-42.5°	116.7	132.3	151.0	173.0	201.7	240.1	283.3	336.6	410.7	573.7	932.7
-45°	106.5	124.4	137.8	157.4	179.1	205.8	242.0	277.1	331.0	406.5	581.2
-47.5°	95.9	115.4	129.2	141.6	159.6	180.7	205.3	238.8	274.8	322.9	371.0
-50°	85.1	103.3	120.1	130.3	142.7	158.5	177.9	202.9	233.3	266.0	305.1
-52.5°	74.7	90.7	107.1	120.4	129.4	140.5	155.2	174.1	196.9	221.4	250.6
-55°	64.0	78.6	93.1	107.4	118.8	126.7	136.6	151.0	165.7	186.3	206.1
-57.5°	56.2	66.5	79.7	92.6	104.9	115.4	123.0	131.0	143.4	156.5	170.3
-60°	50.1	56.9	66.4	78.2	89.6	100.1	109.6	117.1	124.4	132.0	143.0
-62.5°	43.9	50.1	56.2	63.9	74.4	84.0	92.9	101.0	108.5	115.0	121.3
-65°	38.0	43.3	48.7	54.2	59.5	68.0	76.3	83.7	90.7	97.1	103.1
-67.5°	31.9	36.6	41.3	46.1	50.8	55.4	59.9	66.9	73.3	78.9	84.1
-70°	28.7	30.3	33.8	38.0	42.1	45.9	49.8	53.6	57.4	61.4	66.2
-72.5°	26.0	27.4	28.7	30.0	33.4	36.9	40.1	42.9	46.0	49.1	52.0
-75°	23.6	24.5	25.5	26.6	27.7	29.2	31.0	33.8	36.2	38.5	40.6
-77.5°	21.3	22.0	22.7	23.3	23.8	24.6	25.6	26.7	27.9	29.2	30.5
-80°	19.1	19.5	20.0	20.5	20.7	20.9	21.1	21.2	21.3	21.7	22.3
-82.5°	17.3	17.5	17.7	17.9	17.9	17.8	17.7	17.6	17.8	17.9	17.9
-85°	14.5	15.5	15.6	15.6	15.6	15.5	15.4	15.3	15.1	14.9	14.7
-87.5°	7.3	7.7	8.2	8.6	9.0	9.3	9.6	9.9	10.0	10.0	9.9
-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: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-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°	10.7	10.3	10.0	9.5	9.1	8.6	8.0	7.4	6.8	5.9	4.9
85°	14.9	14.3	13.7	13.1	12.5	11.8	11.2	10.5	9.8	9.6	9.4
82.5°	17.9	17.4	16.9	16.4	15.9	16.1	16.4	16.8	17.2	17.4	17.6
80°	22.0	22.2	22.5	22.8	23.3	24.3	25.4	26.4	27.4	27.9	28.3
77.5°	28.1	29.5	30.9	32.1	33.3	34.6	35.9	37.1	38.1	38.7	39.2
75°	37.8	39.5	41.1	42.6	44.1	45.6	47.0	48.3	49.4	50.3	50.9
72.5°	46.8	48.8	51.0	53.6	56.1	58.5	60.7	62.8	64.7	66.1	67.1
70°	58.5	61.4	64.6	67.7	70.5	73.2	75.9	78.5	80.9	82.6	83.8
67.5°	72.2	75.6	79.2	82.4	85.2	88.4	91.9	95.3	98.4	100.6	101.9
65°	86.7	89.7	93.4	97.2	101.0	106.2	111.6	116.5	121.0	124.3	126.4
62.5°	99.3	104.2	110.6	117.2	123.5	130.0	136.7	143.0	148.6	153.2	156.0
60°	117.0	123.7	132.5	141.4	149.6	157.1	167.1	176.2	184.2	191.0	196.3
57.5°	138.5	148.4	159.0	172.0	184.2	195.6	209.2	226.8	246.4	267.8	298.3
55°	165.1	180.3	193.5	210.0	227.9	246.0	268.7	307.3	350.7	397.3	475.6
52.5°	199.9	218.0	234.4	255.6	288.3	320.0	353.6	424.6	504.2	587.4	735.5
50°	239.7	263.2	294.3	326.4	378.1	433.5	486.6	584.1	696.9	811.0	990.4
47.5°	292.4	327.7	381.9	437.9	504.0	579.3	653.8	761.0	882.1	993.1	1144.9
45°	362.4	432.2	500.3	572.9	649.7	739.8	822.8	913.2	1023.7	1115.5	1222.0
42.5°	468.4	555.7	640.1	721.9	810.2	897.8	977.0	1060.3	1149.6	1233.3	1322.1
40°	592.7	688.7	776.3	865.0	936.3	1017.6	1093.4	1171.3	1271.2	1390.4	1497.2
37.5°	718.5	810.6	891.0	971.6	1038.0	1094.7	1222.3	1352.8	1476.4	1767.9	2028.6
35°	843.4	932.6	994.0	1074.6	1170.8	1301.6	1509.5	1861.1	2175.3	2770.0	3363.5
32.5°	973.2	1069.4	1142.2	1263.6	1434.3	1860.1	2162.4	3051.3	3815.5	4110.3	3990.1
30°	1118.0	1244.9	1444.8	1679.6	2309.6	3316.5	4116.6	4480.9	4294.9	3814.0	3840.6
27.5°	1407.0	1586.1	2039.1	3212.0	4801.5	6517.6	6868.1	5941.6	6302.7	5182.8	5960.3
25°	1902.8	2239.6	4111.3	7284.0	10009.0	11116.4	11955.8	11336.4	12138.6	12172.1	12867.6
22.5°	2753.3	4880.9	8553.9	13703.1	16918.7	18638.7	19694.4	20856.2	22121.3	24004.7	25198.4
20°	4385.5	8366.1	15837.8	21317.1	25056.0	27454.8	29388.4	31943.1	34843.2	38384.8	41228.1
17.5°	8030.3	15193.9	23505.5	29422.0	33498.5	36965.1	40010.0	43531.6	47981.1	53560.9	59072.4
15°	12066.4	22644.0	31224.5	37260.2	41902.1	45958.4	50029.1	54280.3	60277.4	69155.0	82110.3
12.5°	17889.6	29802.0	38960.0	44851.7	49914.4	53873.7	57890.0	63435.6	72370.9	85820.7	137468.9
10°	23898.3	36620.4	45609.3	51439.1	56175.9	60053.0	63914.3	69688.7	86389.3	139205.9	241851.7
7.5°	29341.3	42950.2	51684.3	57305.3	61357.2	64382.6	68529.5	79446.8	116760.5	206643.9	387683.5
5°	34253.2	48799.8	57302.6	62184.4	65325.3	67796.7	72184.1	87363.0	149162.1	295448.9	512203.7
2.5°	38031.9	53628.8	62342.7	66338.2	68616.3	70718.7	75237.3	91936.1	163916.7	340896.4	568551.8
0°	40203.0	56651.0	66236.0	69705.1	71572.1	73408.1	78180.1	95557.1	165572.1	319005.8	548006.4
-2.5°	42033.3	59428.4	69671.5	73119.5	74731.6	76169.7	80596.5	96787.1	148526.2	258494.2	468625.3
-5°	42379.9	60692.5	72000.4	76225.9	77805.4	78977.0	82216.7	95169.0	129535.7	190496.1	337401.5
-7.5°	41209.2	60390.7	73478.1	79128.8	80992.5	82134.7	84493.4	92239.6	110809.5	142544.4	226236.0
-10°	38590.5	58426.5	73926.5	81735.9	84450.7	85700.2	87036.0	90059.5	99042.4	117123.6	141745.8
-12.5°	34162.7	54253.6	73087.6	83982.7	87564.1	89176.8	90524.0	92641.2	96256.4	102281.8	117082.2
-15°	28814.3	48264.4	68131.7	81877.3	88997.3	92190.2	94137.6	95138.4	96944.7	100563.0	106290.0
-17.5°	24734.3	40406.1	60004.1	78042.7	89006.2	93626.8	96152.9	98161.7	99449.8	101726.6	104004.1
-20°	19852.1	31164.9	50025.5	68709.2	83426.3	92861.4	96738.0	99244.6	101428.0	102957.4	104682.2



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16657.9	25316.6	38514.8	56766.8	73934.7	86140.1	94862.7	98113.9	100858.9	102527.5	104055.5
-25°	13929.0	19320.9	29177.3	43501.4	60364.9	75386.2	86345.2	94543.0	97896.1	100233.5	101680.2
-27.5°	11450.1	16008.2	21811.2	31641.0	45305.8	59761.5	72731.6	84090.1	90433.8	96172.1	97674.8
-30°	9058.0	12885.7	17547.5	22968.9	31826.8	42306.0	54792.0	66043.9	76011.1	83844.7	88116.8
-32.5°	7060.2	10106.1	13894.6	18136.8	22343.9	29518.6	36366.7	46694.0	55921.9	64041.7	70898.3
-35°	5112.6	7661.8	10534.2	13955.5	17435.0	21230.2	25638.9	31527.3	36817.8	43557.1	49912.4
-37.5°	3596.1	5431.5	7720.0	10222.9	13149.5	16007.7	19062.9	22160.2	25054.8	29223.7	32767.3
-40°	2415.0	3622.3	5284.9	7123.0	9417.1	11629.3	14054.8	16292.8	18432.2	20661.9	22591.2
-42.5°	1460.7	2324.8	3306.5	4695.3	6229.1	7927.2	9816.1	11587.8	13130.8	14656.6	16047.5
-45°	871.6	1361.1	1952.1	2850.4	3763.0	5047.1	6324.7	7490.4	8772.3	9887.1	10813.2
-47.5°	538.8	734.0	1125.5	1580.0	2157.1	2971.8	3766.9	4528.2	5427.8	6230.7	6894.9
-50°	350.5	437.0	618.0	815.0	1182.9	1607.4	2029.8	2520.1	3074.5	3564.7	3956.4
-52.5°	278.1	318.1	360.3	430.6	608.7	801.3	1002.0	1294.2	1589.0	1858.4	2066.3
-55°	229.0	253.1	275.4	310.3	348.4	385.3	445.5	596.7	737.0	864.8	963.2
-57.5°	187.8	205.0	223.1	243.7	264.0	284.0	311.7	344.6	376.1	404.4	412.7
-60°	153.8	164.3	179.2	194.0	207.6	220.2	239.8	258.9	276.5	291.4	299.7
-62.5°	127.4	135.2	144.9	154.6	163.9	174.1	186.9	199.8	212.6	224.4	234.2
-65°	108.5	113.5	118.9	124.5	130.1	137.8	146.0	153.9	161.3	168.1	174.2
-67.5°	89.1	93.6	97.8	101.8	105.7	110.0	114.8	119.5	124.0	127.9	131.3
-70°	70.5	74.3	77.4	80.2	83.1	86.2	89.5	92.4	94.9	96.9	98.4
-72.5°	54.7	57.2	59.8	62.7	65.0	67.2	69.4	71.2	72.8	73.9	74.7
-75°	42.6	44.8	47.1	49.1	50.9	52.6	54.1	55.5	56.8	57.6	58.1
-77.5°	32.1	33.7	35.3	36.9	38.3	39.7	40.9	41.9	42.7	43.2	43.5
-80°	23.0	24.1	25.1	26.0	26.8	27.8	28.7	29.5	30.3	30.6	30.8
-82.5°	17.9	17.9	18.0	18.1	18.3	18.5	18.6	18.9	19.1	19.4	19.6
-85°	14.6	14.3	13.9	13.6	13.3	12.7	12.0	11.4	10.7	10.8	10.8
-87.5°	9.8	9.7	9.5	9.3	9.1	8.6	8.0	7.4	6.8	6.1	5.4
-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: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-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°	4.0	3.0	3.0	3.0	3.0	3.0	4.0	4.9	5.9	6.8	7.4
85°	9.2	9.0	9.0	9.0	9.0	9.0	9.2	9.4	9.6	9.8	10.5
82.5°	17.8	17.9	18.0	18.0	18.0	17.9	17.8	17.6	17.4	17.2	16.8
80°	28.6	28.8	29.0	29.0	29.0	28.8	28.6	28.3	27.9	27.4	26.4
77.5°	39.5	39.8	39.5	39.0	39.5	39.8	39.5	39.2	38.7	38.1	37.1
75°	51.4	51.7	52.4	53.0	52.4	51.7	51.4	50.9	50.3	49.4	48.3
72.5°	67.9	68.5	69.4	70.0	69.4	68.5	67.9	67.1	66.1	64.7	62.8
70°	84.8	85.5	85.9	86.0	85.9	85.5	84.8	83.8	82.6	80.9	78.5
67.5°	102.8	103.4	103.8	104.0	103.8	103.4	102.8	101.9	100.6	98.4	95.3
65°	128.0	129.0	129.7	130.0	129.7	129.0	128.0	126.4	124.3	121.0	116.5
62.5°	158.2	159.7	158.9	157.0	158.9	159.7	158.2	156.0	153.2	148.6	143.0
60°	200.9	204.5	205.6	205.0	205.6	204.5	200.9	196.3	191.0	184.2	176.2
57.5°	330.8	363.3	379.6	385.0	379.6	363.3	330.8	298.3	267.8	246.4	226.8
55°	560.6	646.8	701.8	733.0	701.8	646.8	560.6	475.6	397.3	350.7	307.3
52.5°	910.4	1089.9	1220.0	1305.0	1220.0	1089.9	910.4	735.5	587.4	504.2	424.6
50°	1206.7	1419.8	1559.8	1630.0	1559.8	1419.8	1206.7	990.4	811.0	696.9	584.1
47.5°	1345.0	1537.8	1669.8	1737.0	1669.8	1537.8	1345.0	1144.9	993.1	882.1	761.0
45°	1389.0	1545.8	1656.6	1710.0	1656.6	1545.8	1389.0	1222.0	1115.5	1023.7	913.2
42.5°	1438.9	1531.5	1586.3	1595.0	1586.3	1531.5	1438.9	1322.1	1233.3	1149.6	1060.3
40°	1618.2	1733.9	1823.7	1862.0	1823.7	1733.9	1618.2	1497.2	1390.4	1271.2	1171.3
37.5°	2263.7	2457.1	2587.0	2610.0	2587.0	2457.1	2263.7	2028.6	1767.9	1476.4	1352.8
35°	3863.0	4261.7	4546.6	4709.0	4546.6	4261.7	3863.0	3363.5	2770.0	2175.3	1861.1
32.5°	3848.7	3763.6	3713.7	3699.0	3713.7	3763.6	3848.7	3990.1	4110.3	3815.5	3051.3
30°	3523.0	3416.5	3285.5	3281.0	3285.5	3416.5	3523.0	3840.6	3814.0	4294.9	4480.9
27.5°	5777.6	5607.0	5171.3	5205.0	5171.3	5607.0	5777.6	5960.3	5182.8	6302.7	5941.6
25°	13463.2	13523.9	13172.4	12116.0	13172.4	13523.9	13463.2	12867.6	12172.1	12138.6	11336.4
22.5°	26733.6	27491.8	28618.1	28855.0	28618.1	27491.8	26733.6	25198.4	24004.7	22121.3	20856.2
20°	44523.9	46635.8	49527.4	50482.0	49527.4	46635.8	44523.9	41228.1	38384.8	34843.2	31943.1
17.5°	67616.1	74408.4	80133.9	80047.1	80133.9	74408.4	67616.1	59072.4	53560.9	47981.1	43531.6
15°	111529.4	140301.3	162186.8	170701.1	162186.8	140301.3	111529.4	82110.3	69155.0	60277.4	54280.3
12.5°	205014.9	288789.8	344499.3	380987.8	344499.3	288789.8	205014.9	137468.9	85820.7	72370.9	63435.6
10°	391366.1	520426.0	588551.1	624278.4	588551.1	520426.0	391366.1	241851.7	139205.9	86389.3	69688.7
7.5°	571934.5	667713.5	713397.8	724489.5	713397.8	667713.5	571934.5	387683.5	206643.9	116760.5	79446.8
5°	668005.1	727409.5	735861.8	737851.5	735861.8	727409.5	668005.1	512203.7	295448.9	149162.1	87363.0
2.5°	704352.3	729728.5	725450.0	723190.5	725450.0	729728.5	704352.3	568551.8	340896.4	163916.7	91936.1
0°	693777.0	725417.5	715767.5	712900.5	715767.5	725417.5	693777.0	548006.4	319005.8	165572.1	95557.1
-2.5°	638576.5	703171.6	707350.5	706860.0	707350.5	703171.6	638576.5	468625.3	258494.2	148526.2	96787.1
-5°	531896.4	634423.1	668633.4	677353.5	668633.4	634423.1	531896.4	337401.5	190496.1	129535.7	95169.0
-7.5°	372124.4	495939.5	557350.7	576399.9	557350.7	495939.5	372124.4	226236.0	142544.4	110809.5	92239.6
-10°	206665.0	305742.1	373785.2	400102.3	373785.2	305742.1	206665.0	141745.8	117123.6	99042.4	90059.5
-12.5°	133927.1	162671.2	189773.4	199742.7	189773.4	162671.2	133927.1	117082.2	102281.8	96256.4	92641.2
-15°	115619.5	124435.0	129883.9	131669.1	129883.9	124435.0	115619.5	106290.0	100563.0	96944.7	95138.4
-17.5°	108283.2	111510.7	113824.9	115907.1	113824.9	111510.7	108283.2	104004.1	101726.6	99449.8	98161.7
-20°	106446.9	108396.1	109321.6	110194.1	109321.6	108396.1	106446.9	104682.2	102957.4	101428.0	99244.6



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	105141.4	106299.6	107142.1	108073.1	107142.1	106299.6	105141.4	104055.5	102527.5	100858.9	98113.9
-25°	102684.5	103591.5	104279.1	105090.1	104279.1	103591.5	102684.5	101680.2	100233.5	97896.1	94543.0
-27.5°	98836.3	99715.8	100219.2	100886.1	100219.2	99715.8	98836.3	97674.8	96172.1	90433.8	84090.1
-30°	91338.5	93567.8	94864.6	96223.1	94864.6	93567.8	91338.5	88116.8	83844.7	76011.1	66043.9
-32.5°	76091.3	79550.7	81640.8	82775.1	81640.8	79550.7	76091.3	70898.3	64041.7	55921.9	46694.0
-35°	54758.2	57900.2	59846.3	61669.0	59846.3	57900.2	54758.2	49912.4	43557.1	36817.8	31527.3
-37.5°	35493.7	37356.3	38535.0	39361.0	38535.0	37356.3	35493.7	32767.3	29223.7	25054.8	22160.2
-40°	24306.8	25655.9	26513.2	26716.0	26513.2	25655.9	24306.8	22591.2	20661.9	18432.2	16292.8
-42.5°	17437.1	18611.9	19394.6	19626.0	19394.6	18611.9	17437.1	16047.5	14656.6	13130.8	11587.8
-45°	11642.7	12325.7	12736.0	12800.0	12736.0	12325.7	11642.7	10813.2	9887.1	8772.3	7490.4
-47.5°	7400.4	7777.2	8025.2	8142.0	8025.2	7777.2	7400.4	6894.9	6230.7	5427.8	4528.2
-50°	4260.3	4490.0	4651.9	4742.0	4651.9	4490.0	4260.3	3956.4	3564.7	3074.5	2520.1
-52.5°	2225.3	2341.9	2419.9	2459.0	2419.9	2341.9	2225.3	2066.3	1858.4	1589.0	1294.2
-55°	1046.8	1113.7	1147.5	1151.0	1147.5	1113.7	1046.8	963.2	864.8	737.0	596.7
-57.5°	415.1	412.6	411.2	409.0	411.2	412.6	415.1	412.7	404.4	376.1	344.6
-60°	305.6	309.2	312.9	316.0	312.9	309.2	305.6	299.7	291.4	276.5	258.9
-62.5°	242.8	250.1	253.7	255.0	253.7	250.1	242.8	234.2	224.4	212.6	199.8
-65°	179.8	184.6	186.5	187.0	186.5	184.6	179.8	174.2	168.1	161.3	153.9
-67.5°	134.2	136.5	137.7	138.0	137.7	136.5	134.2	131.3	127.9	124.0	119.5
-70°	99.5	100.2	100.8	101.0	100.8	100.2	99.5	98.4	96.9	94.9	92.4
-72.5°	75.2	75.6	75.9	76.0	75.9	75.6	75.2	74.7	73.9	72.8	71.2
-75°	58.5	58.7	58.9	59.0	58.9	58.7	58.5	58.1	57.6	56.8	55.5
-77.5°	43.7	43.8	43.9	44.0	43.9	43.8	43.7	43.5	43.2	42.7	41.9
-80°	30.9	30.8	31.0	31.0	31.0	30.8	30.9	30.8	30.6	30.3	29.5
-82.5°	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.6	19.4	19.1	18.9
-85°	10.9	10.9	11.0	11.0	11.0	10.9	10.9	10.8	10.8	10.7	11.4
-87.5°	4.7	4.0	4.0	4.0	4.0	4.0	4.7	5.4	6.1	6.8	7.4
-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: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-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°	8.0	8.6	9.1	9.5	10.0	10.3	10.7	10.7	10.7	10.7	10.6
85°	11.2	11.8	12.5	13.1	13.7	14.3	14.9	15.3	15.6	15.9	16.3
82.5°	16.4	16.1	15.9	16.4	16.9	17.4	17.9	18.1	18.2	18.4	18.5
80°	25.4	24.3	23.3	22.8	22.5	22.2	22.0	21.8	21.5	21.4	21.4
77.5°	35.9	34.6	33.3	32.1	30.9	29.5	28.1	27.3	26.9	26.3	25.8
75°	47.0	45.6	44.1	42.6	41.1	39.5	37.8	36.1	34.4	32.8	31.4
72.5°	60.7	58.5	56.1	53.6	51.0	48.8	46.8	44.9	42.8	40.5	38.3
70°	75.9	73.2	70.5	67.7	64.6	61.4	58.5	55.4	52.0	49.0	46.4
67.5°	91.9	88.4	85.2	82.4	79.2	75.6	72.2	68.7	65.0	60.9	56.3
65°	111.6	106.2	101.0	97.2	93.4	89.7	86.7	83.1	78.8	74.0	68.7
62.5°	136.7	130.0	123.5	117.2	110.6	104.2	99.3	95.5	91.7	87.5	81.5
60°	167.1	157.1	149.6	141.4	132.5	123.7	117.0	110.1	102.9	98.1	93.1
57.5°	209.2	195.6	184.2	172.0	159.0	148.4	138.5	128.3	119.6	111.3	102.9
55°	268.7	246.0	227.9	210.0	193.5	180.3	165.1	150.6	139.1	127.2	117.6
52.5°	353.6	320.0	288.3	255.6	234.4	218.0	199.9	182.1	162.9	148.6	134.6
50°	486.6	433.5	378.1	326.4	294.3	263.2	239.7	218.3	195.6	174.6	155.7
47.5°	653.8	579.3	504.0	437.9	381.9	327.7	292.4	257.4	232.1	204.2	181.3
45°	822.8	739.8	649.7	572.9	500.3	432.2	362.4	313.4	273.5	241.0	207.9
42.5°	977.0	897.8	810.2	721.9	640.1	555.7	468.4	390.8	326.5	282.2	245.8
40°	1093.4	1017.6	936.3	865.0	776.3	688.7	592.7	489.2	403.3	331.1	287.1
37.5°	1222.3	1094.7	1038.0	971.6	891.0	810.6	718.5	609.5	493.6	406.9	337.3
35°	1509.5	1301.6	1170.8	1074.6	994.0	932.6	843.4	729.7	614.5	505.2	402.0
32.5°	2162.4	1860.1	1434.3	1263.6	1142.2	1069.4	973.2	854.1	766.3	637.9	499.7
30°	4116.6	3316.5	2309.6	1679.6	1444.8	1244.9	1118.0	1059.7	953.1	795.2	612.2
27.5°	6868.1	6517.6	4801.5	3212.0	2039.1	1586.1	1407.0	1316.5	1174.2	984.7	771.1
25°	11955.8	11116.4	10009.0	7284.0	4111.3	2239.6	1902.8	1662.6	1448.9	1208.6	974.3
22.5°	19694.4	18638.7	16918.7	13703.1	8553.9	4880.9	2753.3	2078.8	1793.7	1545.9	1234.8
20°	29388.4	27454.8	25056.0	21317.1	15837.8	8366.1	4385.5	2968.2	2423.9	1966.6	1535.1
17.5°	40010.0	36965.1	33498.5	29422.0	23505.5	15193.9	8030.3	4421.3	3231.2	2445.2	1865.3
15°	50029.1	45958.4	41902.1	37260.2	31224.5	22644.0	12066.4	6146.8	4297.4	3083.3	2294.8
12.5°	57890.0	53873.7	49914.4	44851.7	38960.0	29802.0	17889.6	9570.9	5775.6	4042.2	2872.5
10°	63914.3	60053.0	56175.9	51439.1	45609.3	36620.4	23898.3	12839.8	7473.7	5172.6	3496.0
7.5°	68529.5	64382.6	61357.2	57305.3	51684.3	42950.2	29341.3	15749.0	9123.7	6359.3	4141.2
5°	72184.1	67796.7	65325.3	62184.4	57302.6	48799.8	34253.2	18268.6	10691.0	7548.3	4781.2
2.5°	75237.3	70718.7	68616.3	66338.2	62342.7	53628.8	38031.9	20543.6	12129.5	8545.4	5370.0
0°	78180.1	73408.1	71572.1	69705.1	66236.0	56651.0	40203.0	22532.0	13414.0	9392.0	5893.0
-2.5°	80596.5	76169.7	74731.6	73119.5	69671.5	59428.4	42033.3	23732.1	14075.7	9792.3	6230.6
-5°	82216.7	78977.0	77805.4	76225.9	72000.4	60692.5	42379.9	24183.3	14421.4	9970.4	6458.1
-7.5°	84493.4	82134.7	80992.5	79128.8	73478.1	60390.7	41209.2	23772.6	14321.7	9730.9	6308.6
-10°	87036.0	85700.2	84450.7	81735.9	73926.5	58426.5	38590.5	22556.5	13866.2	9297.4	6029.1
-12.5°	90524.0	89176.8	87564.1	83982.7	73087.6	54253.6	34162.7	20405.0	13015.9	8664.7	5613.4
-15°	94137.6	92190.2	88997.3	81877.3	68131.7	48264.4	28814.3	17227.2	11767.7	7840.8	5054.7
-17.5°	96152.9	93626.8	89006.2	78042.7	60004.1	40406.1	24734.3	15529.9	10586.5	6975.9	4383.9
-20°	96738.0	92861.4	83426.3	68709.2	50025.5	31164.9	19852.1	13570.8	9318.8	6116.0	3803.3



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	94862.7	86140.1	73934.7	56766.8	38514.8	25316.6	16657.9	11582.7	7815.6	5066.5	3125.0
-25°	86345.2	75386.2	60364.9	43501.4	29177.3	19320.9	13929.0	9815.7	6557.9	4076.1	2401.2
-27.5°	72731.6	59761.5	45305.8	31641.0	21811.2	16008.2	11450.1	7900.1	5129.3	3201.8	1900.0
-30°	54792.0	42306.0	31826.8	22968.9	17547.5	12885.7	9058.0	6177.0	3948.1	2340.1	1378.6
-32.5°	36366.7	29518.6	22343.9	18136.8	13894.6	10106.1	7060.2	4497.8	2782.7	1732.2	1038.8
-35°	25638.9	21230.2	17435.0	13955.5	10534.2	7661.8	5112.6	3243.1	1972.9	1159.5	736.7
-37.5°	19062.9	16007.7	13149.5	10222.9	7720.0	5431.5	3596.1	2258.3	1261.0	806.1	547.9
-40°	14054.8	11629.3	9417.1	7123.0	5284.9	3622.3	2415.0	1407.9	887.0	532.9	418.3
-42.5°	9816.1	7927.2	6229.1	4695.3	3306.5	2324.8	1460.7	932.7	573.7	410.7	336.6
-45°	6324.7	5047.1	3763.0	2850.4	1952.1	1361.1	871.6	581.2	406.5	331.0	277.1
-47.5°	3766.9	2971.8	2157.1	1580.0	1125.5	734.0	538.8	371.0	322.9	274.8	238.8
-50°	2029.8	1607.4	1182.9	815.0	618.0	437.0	350.5	305.1	266.0	233.3	202.9
-52.5°	1002.0	801.3	608.7	430.6	360.3	318.1	278.1	250.6	221.4	196.9	174.1
-55°	445.5	385.3	348.4	310.3	275.4	253.1	229.0	206.1	186.3	165.7	151.0
-57.5°	311.7	284.0	264.0	243.7	223.1	205.0	187.8	170.3	156.5	143.4	131.0
-60°	239.8	220.2	207.6	194.0	179.2	164.3	153.8	143.0	132.0	124.4	117.1
-62.5°	186.9	174.1	163.9	154.6	144.9	135.2	127.4	121.3	115.0	108.5	101.0
-65°	146.0	137.8	130.1	124.5	118.9	113.5	108.5	103.1	97.1	90.7	83.7
-67.5°	114.8	110.0	105.7	101.8	97.8	93.6	89.1	84.1	78.9	73.3	66.9
-70°	89.5	86.2	83.1	80.2	77.4	74.3	70.5	66.2	61.4	57.4	53.6
-72.5°	69.4	67.2	65.0	62.7	59.8	57.2	54.7	52.0	49.1	46.0	42.9
-75°	54.1	52.6	50.9	49.1	47.1	44.8	42.6	40.6	38.5	36.2	33.8
-77.5°	40.9	39.7	38.3	36.9	35.3	33.7	32.1	30.5	29.2	27.9	26.7
-80°	28.7	27.8	26.8	26.0	25.1	24.1	23.0	22.3	21.7	21.3	21.2
-82.5°	18.6	18.5	18.3	18.1	18.0	17.9	17.9	17.9	17.9	17.8	17.6
-85°	12.0	12.7	13.3	13.6	13.9	14.3	14.6	14.7	14.9	15.1	15.3
-87.5°	8.0	8.6	9.1	9.3	9.5	9.7	9.8	9.9	10.0	10.0	9.9
-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: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-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°	10.3	10.0	9.6	9.2	8.7	8.2	7.7	7.2	6.6	6.0	5.3
85°	16.4	16.5	16.6	16.6	16.6	16.5	15.5	14.4	13.2	12.0	10.7
82.5°	18.6	18.8	18.9	18.9	18.7	18.5	18.3	18.1	17.8	17.6	16.0
80°	21.6	21.6	21.6	21.5	21.0	20.5	20.1	19.8	19.4	19.0	18.6
77.5°	25.4	25.0	24.6	24.3	23.7	23.0	22.3	21.5	20.9	20.3	19.8
75°	30.0	29.1	28.4	27.6	26.5	25.5	24.6	23.6	22.7	21.7	20.9
72.5°	36.4	34.6	32.8	31.0	29.7	28.4	27.0	25.7	24.6	23.4	22.2
70°	43.6	40.6	38.2	35.8	33.4	31.3	29.7	28.1	26.4	25.0	23.7
67.5°	51.4	48.1	44.6	40.9	37.8	35.1	32.5	30.5	28.6	26.7	25.1
65°	63.3	57.5	51.6	47.3	43.0	39.0	36.0	33.1	30.8	28.6	26.5
62.5°	75.3	68.9	62.2	54.9	49.0	44.1	39.4	36.1	33.0	30.5	28.1
60°	87.4	80.3	73.1	65.4	56.9	49.5	44.1	39.1	35.6	32.4	29.7
57.5°	97.2	91.2	83.9	75.8	67.0	57.1	49.0	43.1	38.1	34.5	31.3
55°	107.5	100.0	93.7	85.9	76.8	66.6	55.3	47.6	40.9	36.6	32.9
52.5°	121.9	110.6	101.7	94.9	86.1	75.8	63.8	52.0	44.9	38.6	34.7
50°	139.3	124.1	111.6	102.1	94.7	84.2	72.0	59.1	48.9	41.0	36.4
47.5°	159.7	140.8	124.2	110.3	101.1	92.6	79.8	66.2	52.7	44.5	38.1
45°	184.7	159.9	138.8	121.8	107.6	99.3	87.6	73.0	58.8	48.0	39.8
42.5°	212.0	183.6	156.4	133.1	117.6	105.3	95.4	80.0	64.6	51.4	42.3
40°	248.3	210.6	175.9	149.7	128.2	111.5	101.2	87.0	70.2	55.3	45.2
37.5°	285.7	242.6	201.9	166.6	139.8	120.8	106.6	93.8	76.1	60.3	48.0
35°	332.7	277.8	228.7	187.8	155.4	129.9	112.0	99.7	82.2	65.1	50.8
32.5°	380.7	315.9	260.4	211.9	171.0	138.6	118.9	104.6	88.0	69.7	53.4
30°	465.0	361.2	291.9	235.3	188.2	152.0	126.5	109.3	93.5	74.0	56.2
27.5°	576.1	407.7	325.0	261.7	208.6	165.5	133.8	113.8	98.6	78.3	59.8
25°	715.5	498.4	366.6	288.5	228.2	178.0	140.8	118.3	102.7	82.5	63.1
22.5°	906.2	613.1	408.2	314.0	245.5	189.6	149.3	124.1	106.3	86.4	66.1
20°	1112.0	735.6	451.3	339.6	263.9	203.9	158.9	129.5	109.7	89.9	68.9
17.5°	1337.5	897.2	554.6	377.7	282.7	216.9	167.6	134.5	112.8	93.1	71.5
15°	1658.4	1104.6	673.0	418.5	299.8	228.7	175.3	139.1	115.8	96.0	73.7
12.5°	2018.8	1318.6	793.5	460.8	315.2	239.0	182.0	143.2	118.4	98.8	75.6
10°	2397.2	1533.2	912.6	503.0	328.8	247.9	187.7	147.7	121.6	101.5	77.3
7.5°	2779.5	1741.9	1026.4	543.6	341.6	257.1	196.8	153.7	124.7	103.9	78.7
5°	3157.1	1956.5	1147.3	600.4	358.8	266.5	205.8	159.3	127.5	106.0	79.7
2.5°	3534.0	2181.8	1264.9	656.5	374.1	274.0	213.9	164.5	129.9	107.7	80.5
0°	3866.0	2380.0	1365.0	706.0	387.0	280.0	221.0	169.0	132.0	109.0	81.0
-2.5°	4047.6	2485.2	1410.1	741.1	403.9	287.9	227.4	172.6	133.2	109.3	81.2
-5°	4159.9	2545.9	1431.8	764.4	416.9	294.2	232.4	175.2	134.0	109.2	81.0
-7.5°	4046.0	2469.8	1402.3	770.4	425.5	298.9	235.9	176.8	134.3	108.6	80.5
-10°	3817.4	2296.1	1310.3	739.8	430.0	299.2	236.7	177.2	134.0	107.5	79.7
-12.5°	3505.4	2085.0	1203.8	703.2	426.9	294.7	230.0	173.8	133.0	106.0	78.5
-15°	3106.3	1838.1	1085.1	662.3	414.8	287.3	221.8	168.4	130.6	104.0	77.0
-17.5°	2620.2	1557.5	956.8	618.7	392.4	276.9	212.2	162.3	127.9	101.4	75.1
-20°	2245.1	1316.2	833.8	573.9	358.9	263.3	201.1	155.5	124.8	98.4	72.9



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1860.5	1124.7	744.7	533.4	326.7	246.2	188.7	148.3	121.3	95.0	70.3
-25°	1431.9	918.1	647.7	456.4	306.5	231.1	177.3	140.6	117.5	91.1	67.3
-27.5°	1131.2	728.1	548.9	380.9	277.3	214.6	167.7	135.6	113.1	86.7	64.0
-30°	879.1	617.4	461.3	317.7	246.6	195.8	157.8	130.5	107.7	82.4	60.4
-32.5°	655.5	506.9	381.1	282.6	222.1	177.6	147.4	125.1	101.8	77.8	57.6
-35°	539.3	416.6	308.7	246.1	201.1	165.4	138.1	119.4	95.5	72.9	55.1
-37.5°	423.1	340.5	268.0	215.4	180.6	152.9	131.2	112.2	88.7	67.6	52.4
-40°	348.6	281.3	228.2	193.7	165.1	140.2	124.2	103.9	82.1	61.8	49.6
-42.5°	283.3	240.1	201.7	173.0	151.0	132.3	116.7	95.2	75.0	57.5	46.6
-45°	242.0	205.8	179.1	157.4	137.8	124.4	106.5	86.1	67.6	53.9	43.7
-47.5°	205.3	180.7	159.6	141.6	129.2	115.4	95.9	77.4	59.9	50.2	41.2
-50°	177.9	158.5	142.7	130.3	120.1	103.3	85.1	68.4	55.4	46.2	38.5
-52.5°	155.2	140.5	129.4	120.4	107.1	90.7	74.7	59.5	50.8	42.6	35.7
-55°	136.6	126.7	118.8	107.4	93.1	78.6	64.0	54.2	46.1	39.2	32.9
-57.5°	123.0	115.4	104.9	92.6	79.7	66.5	56.2	48.7	41.7	35.5	31.3
-60°	109.6	100.1	89.6	78.2	66.4	56.9	50.1	43.4	37.4	32.1	29.7
-62.5°	92.9	84.0	74.4	63.9	56.2	50.1	43.9	38.3	32.9	30.2	28.0
-65°	76.3	68.0	59.5	54.2	48.7	43.3	38.0	33.0	30.2	28.3	26.3
-67.5°	59.9	55.4	50.8	46.1	41.3	36.6	31.9	29.7	28.0	26.3	24.7
-70°	49.8	45.9	42.1	38.0	33.8	30.3	28.7	27.2	25.8	24.5	23.0
-72.5°	40.1	36.9	33.4	30.0	28.7	27.4	26.0	24.8	23.8	22.6	21.3
-75°	31.0	29.2	27.7	26.6	25.5	24.5	23.6	22.7	21.8	20.7	19.9
-77.5°	25.6	24.6	23.8	23.3	22.7	22.0	21.3	20.6	19.9	19.3	18.8
-80°	21.1	20.9	20.7	20.5	20.0	19.5	19.1	18.8	18.4	18.0	17.6
-82.5°	17.7	17.8	17.9	17.9	17.7	17.5	17.3	17.1	16.8	16.6	15.1
-85°	15.4	15.5	15.6	15.6	15.6	15.5	14.5	13.5	12.4	11.3	10.1
-87.5°	9.6	9.3	9.0	8.6	8.2	7.7	7.3	6.8	6.2	5.6	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: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-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°	4.7	3.9	3.1	2.3	1.6	0.8	0.0
85°	9.3	7.8	6.2	4.7	3.1	1.6	0.0
82.5°	13.9	11.7	9.4	7.0	4.7	2.3	0.0
80°	18.1	15.5	12.4	9.4	6.2	3.1	0.0
77.5°	19.1	18.3	15.5	11.7	7.8	3.9	0.0
75°	20.1	19.1	18.1	13.9	9.3	4.7	0.0
72.5°	21.1	20.0	18.8	16.2	10.8	5.4	0.0
70°	22.2	20.8	19.4	18.1	12.3	6.2	0.0
67.5°	23.4	21.6	20.1	18.6	13.8	6.9	0.0
65°	24.6	22.5	20.7	19.1	15.2	7.6	0.0
62.5°	25.7	23.5	21.4	19.5	16.6	8.3	0.0
60°	26.9	24.4	22.0	20.0	18.0	9.0	0.0
57.5°	28.2	25.4	22.7	20.4	18.3	9.7	0.0
55°	29.6	26.3	23.4	20.9	18.6	10.3	0.0
52.5°	30.9	27.2	24.1	21.3	18.9	11.0	0.0
50°	32.3	28.3	24.8	21.7	19.1	11.6	0.0
47.5°	33.6	29.4	25.5	22.1	19.4	12.2	0.0
45°	35.0	30.4	26.1	22.6	19.7	12.7	0.0
42.5°	36.5	31.5	26.7	23.0	19.9	13.3	0.0
40°	37.8	32.5	27.4	23.5	20.1	13.8	0.0
37.5°	39.2	33.4	28.2	23.9	20.3	14.3	0.0
35°	40.5	34.4	28.9	24.3	20.6	14.7	0.0
32.5°	42.0	35.4	29.6	24.6	20.7	15.2	0.0
30°	44.1	36.4	30.2	25.0	20.9	15.6	0.0
27.5°	46.1	37.3	30.8	25.3	21.1	16.0	0.0
25°	48.0	38.1	31.4	25.6	21.2	16.3	0.0
22.5°	49.7	38.9	31.8	25.9	21.4	16.6	0.0
20°	51.4	39.6	32.3	26.1	21.5	16.9	0.0
17.5°	52.8	40.3	32.7	26.3	21.6	17.2	0.0
15°	54.1	40.9	33.0	26.5	21.7	17.4	0.0
12.5°	55.2	41.4	33.3	26.6	21.8	17.6	0.0
10°	56.1	41.9	33.6	26.8	21.9	17.7	0.0
7.5°	56.8	42.3	33.8	26.9	21.9	17.8	0.0
5°	57.4	42.6	33.9	26.9	22.0	17.9	0.0
2.5°	57.8	42.8	34.0	27.0	22.0	18.0	0.0
0°	58.0	43.0	34.0	27.0	22.0	18.0	0.0
-2.5°	58.0	43.1	34.0	27.0	22.0	18.0	0.0
-5°	57.9	43.0	33.9	26.9	22.0	17.9	0.0
-7.5°	57.6	42.9	33.8	26.9	21.9	17.8	0.0
-10°	57.1	42.7	33.6	26.8	21.9	17.7	0.0
-12.5°	56.5	42.4	33.3	26.6	21.8	17.6	0.0
-15°	55.7	42.0	33.0	26.5	21.7	17.4	0.0
-17.5°	54.7	41.5	32.7	26.3	21.6	17.2	0.0
-20°	53.5	40.8	32.3	26.1	21.5	16.9	0.0



REPORT NUMBER: P699917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5L-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.1	40.1	31.8	25.9	21.4	16.6	0.0
-25°	50.5	39.3	31.4	25.6	21.2	16.3	0.0
-27.5°	48.8	38.3	30.8	25.3	21.1	16.0	0.0
-30°	47.0	37.2	30.2	25.0	20.9	15.6	0.0
-32.5°	45.0	36.0	29.6	24.6	20.7	15.2	0.0
-35°	43.3	34.7	28.9	24.3	20.6	14.7	0.0
-37.5°	41.6	33.4	28.2	23.9	20.3	14.3	0.0
-40°	39.8	32.5	27.4	23.5	20.1	13.8	0.0
-42.5°	37.9	31.5	26.7	23.0	19.9	13.3	0.0
-45°	35.9	30.4	26.1	22.6	19.7	12.7	0.0
-47.5°	33.7	29.4	25.4	22.1	19.4	12.2	0.0
-50°	32.3	28.3	24.7	21.6	19.1	11.6	0.0
-52.5°	30.9	27.2	24.0	21.2	18.9	11.0	0.0
-55°	29.6	26.2	23.2	20.8	18.6	10.3	0.0
-57.5°	28.2	25.2	22.4	20.3	18.3	9.7	0.0
-60°	26.9	24.1	21.6	19.8	18.0	9.0	0.0
-62.5°	25.5	23.0	21.0	19.4	16.6	8.3	0.0
-65°	24.1	21.9	20.3	18.9	15.2	7.6	0.0
-67.5°	22.7	20.9	19.7	18.4	13.8	6.9	0.0
-70°	21.3	20.1	19.0	17.9	12.3	6.2	0.0
-72.5°	20.2	19.3	18.3	16.0	10.8	5.4	0.0
-75°	19.2	18.4	17.7	13.8	9.3	4.7	0.0
-77.5°	18.2	17.6	15.1	11.5	7.8	3.9	0.0
-80°	17.1	14.9	12.1	9.2	6.2	3.1	0.0
-82.5°	13.2	11.2	9.1	6.9	4.7	2.3	0.0
-85°	8.8	7.5	6.1	4.6	3.1	1.6	0.0
-87.5°	4.4	3.7	3.0	2.3	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)