

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: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 8/10/2023

**Test Information**

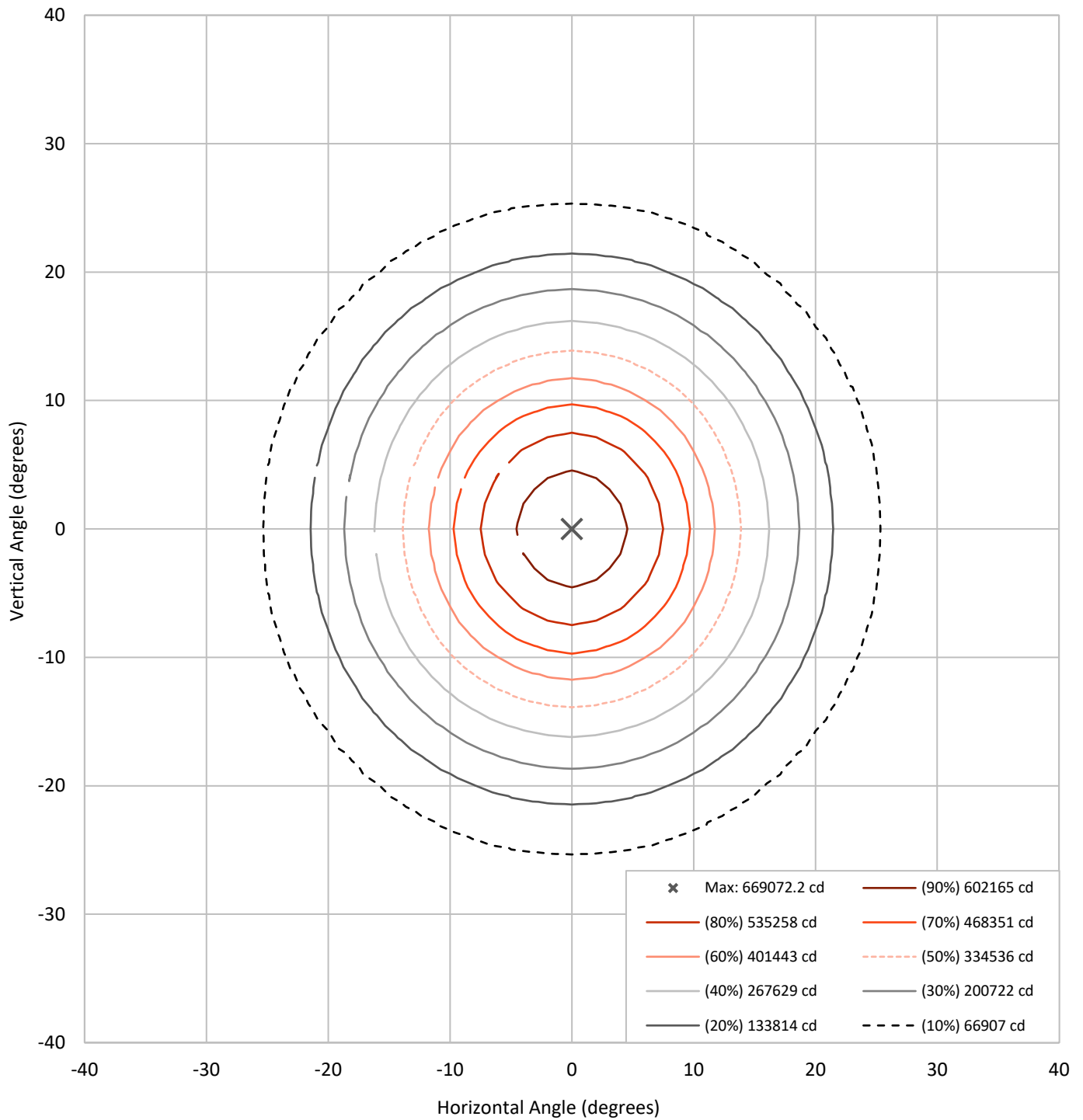
Test Method: LM-79-08  
Report Number: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200L-57-70-3S-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	195178.7 lumens	Max Intensity:	669072.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	160.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	27.8°H x 27.8°V	Field Angle (10%):	50.4°H x 50.4°V
Beam Lumens:	85801.1 lumens	Field Lumens:	159640.3 lumens
Beam Efficiency:	44.0%	Field Efficiency:	81.8%
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		

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### Iso-Candela Plot





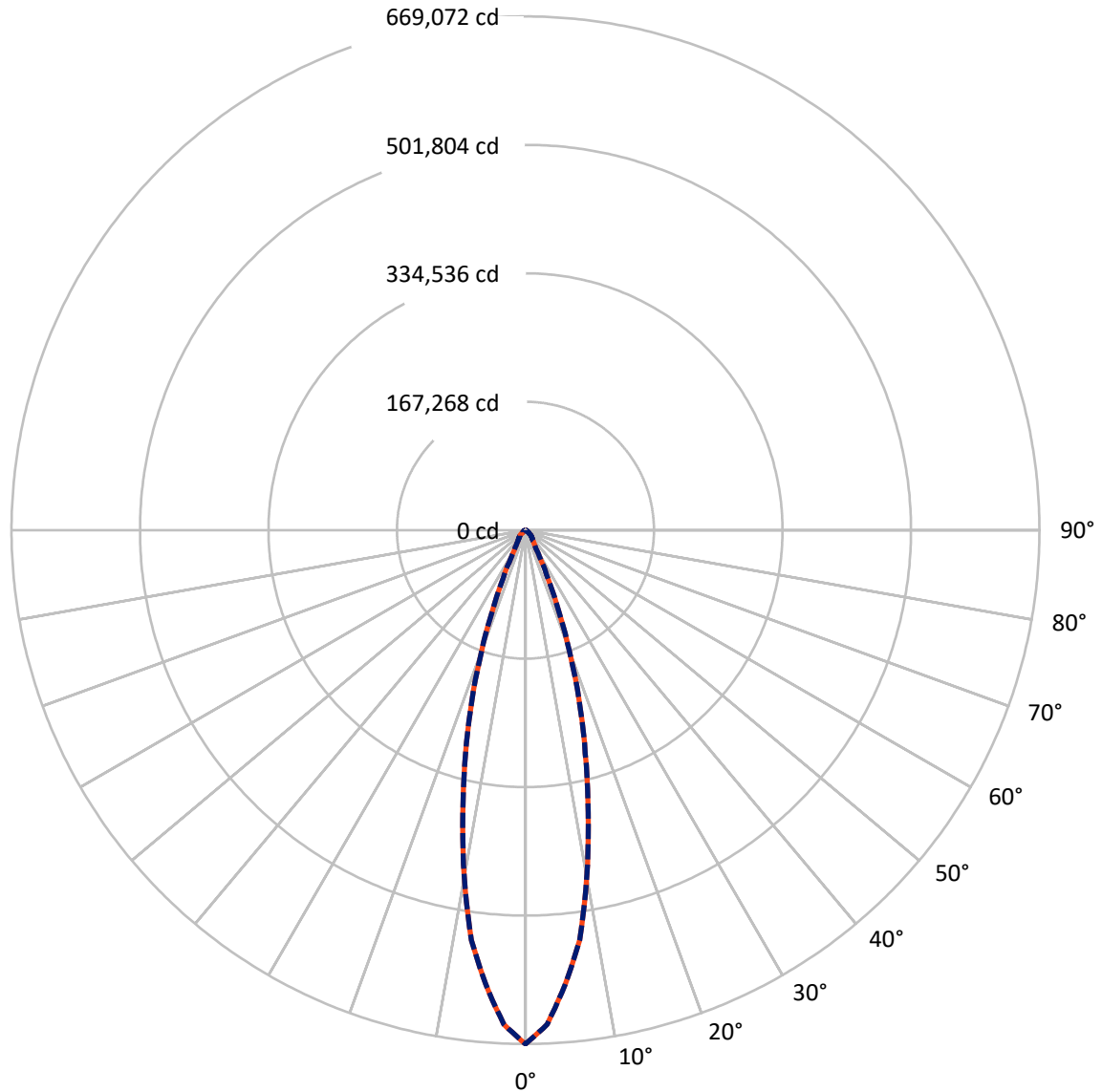
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### Lumen Table

90	0.4	2.5		9.1		21.8		28.3		21.8		9.1		2.5		0.4
80	0.4	2.5		9.1		21.8		28.3		21.8		9.1		2.5		0.4
70	1.1	1.4	5.4	14.9	28.2	42.4	54.3	61.0	61.0	54.3	42.4	28.2	14.9	5.4	1.4	1.1
60		4.1	16.8	39.0	67.4	97.4	122.2	136.1	136.1	122.2	97.4	67.4	39.0	16.8	4.1	
50	3.0	9.2	31.8	68.8	116.6	183.7	258.0	301.2	301.2	258.0	183.7	116.6	68.8	31.8	9.2	3.0
40		15.0	47.7	100.9	203.2	333.3	451.8	548.4	548.4	451.8	333.3	203.2	100.9	47.7	15.0	
30	6.3	20.4	62.4	144.4	301.8	523.1	1157.9	2169.1	2169.1	1157.9	523.1	301.8	144.4	62.4	20.4	6.3
20		24.5	73.4	190.8	384.8	1092.3	4269.3	8323.6	8323.6	4269.3	1092.3	384.8	190.8	73.4	24.5	
10	7.8	26.6	79.3	215.8	454.0	1993.8	8095.6	15769.6	15769.6	8095.6	1993.8	454.0	215.8	79.3	26.6	7.8
0		26.6	79.3	215.8	454.0	1993.8	8095.6	15769.6	15769.6	8095.6	1993.8	454.0	215.8	79.3	26.6	
-10	6.3	24.5	73.4	190.8	384.8	1092.3	4269.3	8323.6	8323.6	4269.3	1092.3	384.8	190.8	73.4	24.5	6.3
-20		20.4	62.4	144.4	301.8	523.1	1157.9	2169.1	2169.1	1157.9	523.1	301.8	144.4	62.4	20.4	
-30	3.0	15.0	47.7	100.9	203.2	333.3	451.8	548.4	548.4	451.8	333.3	203.2	100.9	47.7	15.0	3.0
-40		9.2	31.8	68.8	116.6	183.7	258.0	301.2	301.2	258.0	183.7	116.6	68.8	31.8	9.2	
-50	1.1	4.1	16.8	39.0	67.4	97.4	122.2	136.1	136.1	122.2	97.4	67.4	39.0	16.8	4.1	1.1
-60		1.4	5.4	14.9	28.2	42.4	54.3	61.0	61.0	54.3	42.4	28.2	14.9	5.4	1.4	
-70	0.4	2.5		9.1		21.8		28.3		21.8		9.1		2.5		0.4
-80		2.5		9.1		21.8		28.3		21.8		9.1		2.5		
-90	0.4	2.5		9.1		21.8		28.3		21.8		9.1		2.5		0.4

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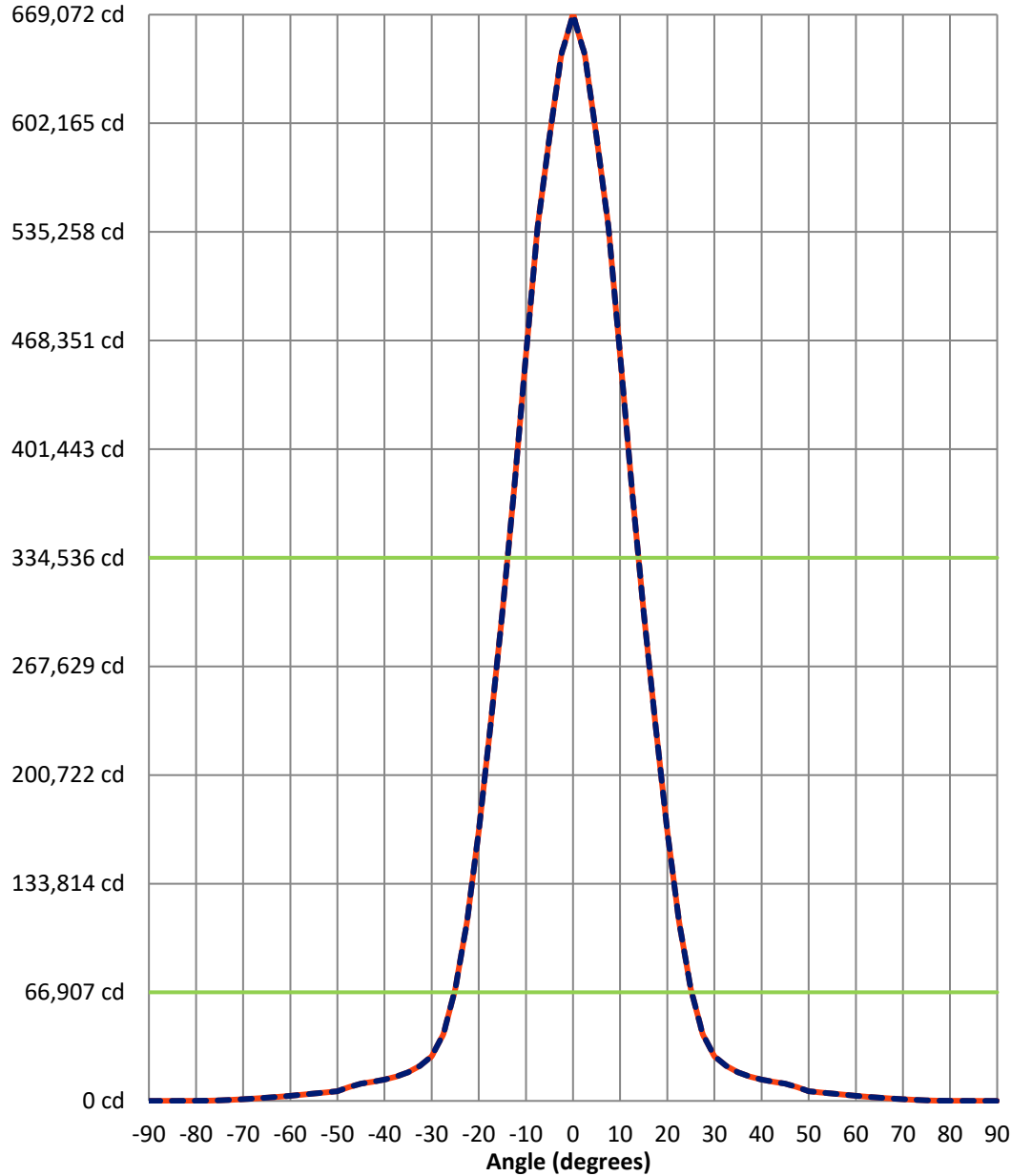
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 27.8°  
V Angle: 27.8°  
Lumens: 85801.1  
Efficiency: 44.0%

**Field:**  
H Angle: 50.4°  
V Angle: 50.4°  
Lumens: 159640.3  
Efficiency: 81.8%

**Spill:**  
Lumens: 35538.4  
Efficiency: 18.2%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.0	8.9
85°	0.0	1.8	3.7	5.5	7.3	9.1	10.9	12.6	14.3	16.1	17.7
82.5°	0.0	2.7	5.5	8.2	10.9	13.6	16.3	18.9	21.4	23.2	25.0
80°	0.0	3.6	7.3	10.9	14.5	18.1	21.5	24.0	26.4	28.9	31.3
77.5°	0.0	4.5	9.1	13.6	18.1	22.1	25.3	28.4	31.5	34.5	38.0
75°	0.0	5.4	10.9	16.3	21.5	25.3	29.0	32.8	36.6	41.5	46.2
72.5°	0.0	6.3	12.6	18.9	24.0	28.4	32.8	37.5	43.2	48.9	54.4
70°	0.0	7.2	14.3	21.4	26.4	31.5	36.6	43.2	49.7	56.2	63.8
67.5°	0.0	8.0	16.1	23.2	28.9	34.5	41.5	48.9	56.2	64.8	73.3
65°	0.0	8.9	17.7	25.0	31.3	38.0	46.2	54.4	63.8	73.3	88.4
62.5°	0.0	9.7	19.4	26.7	33.6	41.9	50.9	60.6	71.2	85.2	116.6
60°	0.0	10.5	21.0	28.5	35.9	45.7	55.5	67.0	78.5	110.1	144.2
57.5°	0.0	11.3	22.1	30.1	38.8	49.4	60.7	73.3	97.2	134.5	203.0
55°	0.0	12.0	23.2	31.8	41.7	53.1	66.0	79.3	118.3	167.4	275.3
52.5°	0.0	12.8	24.2	33.3	44.5	56.7	71.0	96.0	138.9	230.7	345.7
50°	0.0	13.5	25.3	34.9	47.3	60.8	75.9	113.4	169.0	292.2	449.4
47.5°	0.0	14.2	26.3	36.5	49.9	64.7	82.1	130.3	221.8	351.7	553.9
45°	0.0	14.8	27.2	38.4	52.4	68.5	95.9	146.5	272.6	441.5	654.8
42.5°	0.0	15.5	28.1	40.2	54.8	72.1	109.2	177.7	321.4	528.5	770.4
40°	0.0	16.1	29.0	41.9	57.4	75.6	121.9	218.4	376.9	611.7	884.1
37.5°	0.0	16.7	29.8	43.6	60.0	78.9	134.0	257.2	447.1	696.0	992.5
35°	0.0	17.2	30.6	45.1	62.5	86.2	145.4	293.8	513.5	788.0	1101.2
32.5°	0.0	17.7	31.3	46.6	64.8	95.1	161.7	328.3	576.2	874.8	1212.5
30°	0.0	18.2	32.0	47.9	67.0	103.5	189.2	365.0	634.8	956.1	1316.9
27.5°	0.0	18.6	32.6	49.2	69.1	111.2	214.8	412.4	693.8	1031.7	1414.1
25°	0.0	19.0	33.2	50.4	70.9	118.3	238.3	456.0	755.3	1108.1	1504.3
22.5°	0.0	19.4	33.7	51.4	72.6	124.8	259.8	495.8	811.5	1181.2	1598.4
20°	0.0	19.7	34.2	52.4	74.2	130.7	279.1	531.7	862.1	1247.1	1683.4
17.5°	0.0	20.0	34.6	53.2	75.5	135.9	296.2	563.6	907.0	1305.7	1759.0
15°	0.0	20.3	35.0	53.9	76.7	140.4	311.2	591.3	946.2	1356.8	1825.0
12.5°	0.0	20.5	35.3	54.6	77.7	144.2	323.9	614.9	979.6	1400.3	1881.1
10°	0.0	20.7	35.5	55.1	78.5	147.4	334.4	634.3	1007.0	1436.0	1927.3
7.5°	0.0	20.8	35.7	55.5	79.2	149.8	342.5	649.5	1028.4	1464.0	1963.4
5°	0.0	20.9	35.9	55.8	79.6	151.6	348.3	660.3	1043.7	1484.0	1989.3
2.5°	0.0	21.0	36.0	55.9	79.9	152.6	351.8	666.8	1052.9	1496.0	2004.8
0°	0.0	21.0	36.0	56.0	80.0	153.0	353.0	669.0	1056.0	1500.0	2010.0
-2.5°	0.0	21.0	36.0	55.9	79.9	152.6	351.8	666.8	1052.9	1496.0	2004.8
-5°	0.0	20.9	35.9	55.8	79.6	151.6	348.3	660.3	1043.7	1484.0	1989.3
-7.5°	0.0	20.8	35.7	55.5	79.2	149.8	342.5	649.5	1028.4	1464.0	1963.4
-10°	0.0	20.7	35.5	55.1	78.5	147.4	334.4	634.3	1007.0	1436.0	1927.3
-12.5°	0.0	20.5	35.3	54.6	77.7	144.2	323.9	614.9	979.6	1400.3	1881.1
-15°	0.0	20.3	35.0	53.9	76.7	140.4	311.2	591.3	946.2	1356.8	1825.0
-17.5°	0.0	20.0	34.6	53.2	75.5	135.9	296.2	563.6	907.0	1305.7	1759.0
-20°	0.0	19.7	34.2	52.4	74.2	130.7	279.1	531.7	862.1	1247.1	1683.4



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	19.4	33.7	51.4	72.6	124.8	259.8	495.8	811.5	1181.2	1598.4
-25°	0.0	19.0	33.2	50.4	70.9	118.3	238.3	456.0	755.3	1108.1	1504.3
-27.5°	0.0	18.6	32.6	49.2	69.1	111.2	214.8	412.4	693.8	1031.7	1414.1
-30°	0.0	18.2	32.0	47.9	67.0	103.5	189.2	365.0	634.8	956.1	1316.9
-32.5°	0.0	17.7	31.3	46.6	64.8	95.1	161.7	328.3	576.2	874.8	1212.5
-35°	0.0	17.2	30.6	45.1	62.5	86.2	145.4	293.8	513.5	788.0	1101.2
-37.5°	0.0	16.7	29.8	43.6	60.0	78.9	134.0	257.2	447.1	696.0	992.5
-40°	0.0	16.1	29.0	41.9	57.4	75.6	121.9	218.4	376.9	611.7	884.1
-42.5°	0.0	15.5	28.1	40.2	54.8	72.1	109.2	177.7	321.4	528.5	770.4
-45°	0.0	14.8	27.2	38.4	52.4	68.5	95.9	146.5	272.6	441.5	654.8
-47.5°	0.0	14.2	26.3	36.5	49.9	64.7	82.1	130.3	221.8	351.7	553.9
-50°	0.0	13.5	25.3	34.9	47.3	60.8	75.9	113.4	169.0	292.2	449.4
-52.5°	0.0	12.8	24.2	33.3	44.5	56.7	71.0	96.0	138.9	230.7	345.7
-55°	0.0	12.0	23.2	31.8	41.7	53.1	66.0	79.3	118.3	167.4	275.3
-57.5°	0.0	11.3	22.1	30.1	38.8	49.4	60.7	73.3	97.2	134.5	203.0
-60°	0.0	10.5	21.0	28.5	35.9	45.7	55.5	67.0	78.5	110.1	144.2
-62.5°	0.0	9.7	19.4	26.7	33.6	41.9	50.9	60.6	71.2	85.2	116.6
-65°	0.0	8.9	17.7	25.0	31.3	38.0	46.2	54.4	63.8	73.3	88.4
-67.5°	0.0	8.0	16.1	23.2	28.9	34.5	41.5	48.9	56.2	64.8	73.3
-70°	0.0	7.2	14.3	21.4	26.4	31.5	36.6	43.2	49.7	56.2	63.8
-72.5°	0.0	6.3	12.6	18.9	24.0	28.4	32.8	37.5	43.2	48.9	54.4
-75°	0.0	5.4	10.9	16.3	21.5	25.3	29.0	32.8	36.6	41.5	46.2
-77.5°	0.0	4.5	9.1	13.6	18.1	22.1	25.3	28.4	31.5	34.5	38.0
-80°	0.0	3.6	7.3	10.9	14.5	18.1	21.5	24.0	26.4	28.9	31.3
-82.5°	0.0	2.7	5.5	8.2	10.9	13.6	16.3	18.9	21.4	23.2	25.0
-85°	0.0	1.8	3.7	5.5	7.3	9.1	10.9	12.6	14.3	16.1	17.7
-87.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.0	8.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.7	10.5	11.3	12.0	12.8	13.5	14.2	14.8	15.5	16.1	16.7
85°	19.4	21.0	22.1	23.2	24.2	25.3	26.3	27.2	28.1	29.0	29.8
82.5°	26.7	28.5	30.1	31.8	33.3	34.9	36.5	38.4	40.2	41.9	43.6
80°	33.6	35.9	38.8	41.7	44.5	47.3	49.9	52.4	54.8	57.4	60.0
77.5°	41.9	45.7	49.4	53.1	56.7	60.8	64.7	68.5	72.1	75.6	78.9
75°	50.9	55.5	60.7	66.0	71.0	75.9	82.1	95.9	109.2	121.9	134.0
72.5°	60.6	67.0	73.3	79.3	96.0	113.4	130.3	146.5	177.7	218.4	257.2
70°	71.2	78.5	97.2	118.3	138.9	169.0	221.8	272.6	321.4	376.9	447.1
67.5°	85.2	110.1	134.5	167.4	230.7	292.2	351.7	441.5	528.5	611.7	696.0
65°	116.6	144.2	203.0	275.3	345.7	449.4	553.9	654.8	770.4	884.1	992.5
62.5°	147.5	220.9	302.2	398.2	520.5	639.4	773.8	910.0	1041.1	1183.0	1320.5
60°	220.9	311.2	426.8	563.6	703.2	862.1	1016.2	1181.2	1345.8	1504.3	1677.6
57.5°	302.2	426.8	577.9	738.6	915.5	1092.3	1284.1	1469.7	1670.8	1868.2	2059.3
55°	398.2	563.6	738.6	933.3	1133.5	1346.3	1561.0	1791.2	2013.6	2237.4	2451.7
52.5°	520.5	703.2	915.5	1133.5	1367.2	1609.3	1864.1	2116.1	2366.4	2616.0	2878.3
50°	639.4	862.1	1092.3	1346.3	1609.3	1888.5	2167.7	2444.5	2735.2	3028.5	3335.3
47.5°	773.8	1016.2	1284.1	1561.0	1864.1	2167.7	2470.6	2795.2	3119.5	3477.2	3825.9
45°	910.0	1181.2	1469.7	1791.2	2116.1	2444.5	2795.2	3150.0	3548.7	3934.3	4305.1
42.5°	1041.1	1345.8	1670.8	2013.6	2366.4	2735.2	3119.5	3548.7	3970.5	4378.7	4764.0
40°	1183.0	1504.3	1868.2	2237.4	2616.0	3028.5	3477.2	3934.3	4378.7	4800.1	5201.3
37.5°	1320.5	1677.6	2059.3	2451.7	2878.3	3335.3	3825.9	4305.1	4764.0	5201.3	5686.2
35°	1451.1	1842.4	2247.6	2671.1	3128.7	3646.9	4158.9	4656.4	5127.8	5643.0	6540.0
32.5°	1585.5	1998.1	2425.7	2890.8	3400.2	3942.8	4476.0	4982.2	5514.0	6246.1	8046.4
30°	1718.5	2150.7	2599.9	3097.6	3659.4	4221.7	4767.0	5301.7	5894.2	7596.8	9307.8
27.5°	1842.4	2293.6	2777.4	3313.1	3901.9	4483.3	5037.6	5636.2	6858.1	8814.3	10410.2
25°	1956.8	2425.7	2941.8	3520.5	4126.5	4719.4	5299.9	5948.4	7974.5	9782.1	11088.3
22.5°	2063.8	2547.0	3092.3	3710.7	4332.9	4934.2	5567.1	6804.3	8922.4	10661.5	11625.4
20°	2162.8	2671.1	3241.0	3883.0	4520.1	5129.4	5810.4	7679.4	9685.8	11119.7	12177.2
17.5°	2250.9	2781.7	3381.6	4036.5	4682.0	5316.6	6111.0	8465.4	10372.8	11533.1	12703.6
15°	2327.9	2878.3	3504.6	4170.9	4822.8	5493.0	6749.0	9043.2	10827.8	11917.5	13175.1
12.5°	2393.5	2960.7	3609.5	4285.6	4943.2	5644.0	7295.5	9523.2	11118.0	12288.8	13719.9
10°	2447.4	3028.5	3696.0	4380.2	5042.5	5768.6	7747.5	9920.6	11358.6	12597.4	14173.6
7.5°	2489.6	3081.5	3763.6	4454.2	5120.3	5866.4	8102.1	10232.7	11547.9	12840.4	14531.7
5°	2519.8	3119.5	3812.1	4507.4	5176.1	5936.6	8357.0	10457.3	11684.2	13015.7	14790.3
2.5°	2537.9	3142.4	3841.3	4539.3	5209.8	5978.9	8510.7	10592.7	11766.5	13121.6	14946.7
0°	<b>2544.0</b>	<b>3150.0</b>	<b>3851.0</b>	<b>4550.0</b>	<b>5221.0</b>	<b>5993.0</b>	<b>8562.0</b>	<b>10638.0</b>	<b>11794.0</b>	<b>13157.0</b>	<b>14999.0</b>
-2.5°	2537.9	3142.4	3841.3	4539.3	5209.8	5978.9	8510.7	10592.7	11766.5	13121.6	14946.7
-5°	2519.8	3119.5	3812.1	4507.4	5176.1	5936.6	8357.0	10457.3	11684.2	13015.7	14790.3
-7.5°	2489.6	3081.5	3763.6	4454.2	5120.3	5866.4	8102.1	10232.7	11547.9	12840.4	14531.7
-10°	2447.4	3028.5	3696.0	4380.2	5042.5	5768.6	7747.5	9920.6	11358.6	12597.4	14173.6
-12.5°	2393.5	2960.7	3609.5	4285.6	4943.2	5644.0	7295.5	9523.2	11118.0	12288.8	13719.9
-15°	2327.9	2878.3	3504.6	4170.9	4822.8	5493.0	6749.0	9043.2	10827.8	11917.5	13175.1
-17.5°	2250.9	2781.7	3381.6	4036.5	4682.0	5316.6	6111.0	8465.4	10372.8	11533.1	12703.6
-20°	2162.8	2671.1	3241.0	3883.0	4520.1	5129.4	5810.4	7679.4	9685.8	11119.7	12177.2



REPORT NUMBER: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2063.8	2547.0	3092.3	3710.7	4332.9	4934.2	5567.1	6804.3	8922.4	10661.5	11625.4
-25°	1956.8	2425.7	2941.8	3520.5	4126.5	4719.4	5299.9	5948.4	7974.5	9782.1	11088.3
-27.5°	1842.4	2293.6	2777.4	3313.1	3901.9	4483.3	5037.6	5636.2	6858.1	8814.3	10410.2
-30°	1718.5	2150.7	2599.9	3097.6	3659.4	4221.7	4767.0	5301.7	5894.2	7596.8	9307.8
-32.5°	1585.5	1998.1	2425.7	2890.8	3400.2	3942.8	4476.0	4982.2	5514.0	6246.1	8046.4
-35°	1451.1	1842.4	2247.6	2671.1	3128.7	3646.9	4158.9	4656.4	5127.8	5643.0	6540.0
-37.5°	1320.5	1677.6	2059.3	2451.7	2878.3	3335.3	3825.9	4305.1	4764.0	5201.3	5686.2
-40°	1183.0	1504.3	1868.2	2237.4	2616.0	3028.5	3477.2	3934.3	4378.7	4800.1	5201.3
-42.5°	1041.1	1345.8	1670.8	2013.6	2366.4	2735.2	3119.5	3548.7	3970.5	4378.7	4764.0
-45°	910.0	1181.2	1469.7	1791.2	2116.1	2444.5	2795.2	3150.0	3548.7	3934.3	4305.1
-47.5°	773.8	1016.2	1284.1	1561.0	1864.1	2167.7	2470.6	2795.2	3119.5	3477.2	3825.9
-50°	639.4	862.1	1092.3	1346.3	1609.3	1888.5	2167.7	2444.5	2735.2	3028.5	3335.3
-52.5°	520.5	703.2	915.5	1133.5	1367.2	1609.3	1864.1	2116.1	2366.4	2616.0	2878.3
-55°	398.2	563.6	738.6	933.3	1133.5	1346.3	1561.0	1791.2	2013.6	2237.4	2451.7
-57.5°	302.2	426.8	577.9	738.6	915.5	1092.3	1284.1	1469.7	1670.8	1868.2	2059.3
-60°	220.9	311.2	426.8	563.6	703.2	862.1	1016.2	1181.2	1345.8	1504.3	1677.6
-62.5°	147.5	220.9	302.2	398.2	520.5	639.4	773.8	910.0	1041.1	1183.0	1320.5
-65°	116.6	144.2	203.0	275.3	345.7	449.4	553.9	654.8	770.4	884.1	992.5
-67.5°	85.2	110.1	134.5	167.4	230.7	292.2	351.7	441.5	528.5	611.7	696.0
-70°	71.2	78.5	97.2	118.3	138.9	169.0	221.8	272.6	321.4	376.9	447.1
-72.5°	60.6	67.0	73.3	79.3	96.0	113.4	130.3	146.5	177.7	218.4	257.2
-75°	50.9	55.5	60.7	66.0	71.0	75.9	82.1	95.9	109.2	121.9	134.0
-77.5°	41.9	45.7	49.4	53.1	56.7	60.8	64.7	68.5	72.1	75.6	78.9
-80°	33.6	35.9	38.8	41.7	44.5	47.3	49.9	52.4	54.8	57.4	60.0
-82.5°	26.7	28.5	30.1	31.8	33.3	34.9	36.5	38.4	40.2	41.9	43.6
-85°	19.4	21.0	22.1	23.2	24.2	25.3	26.3	27.2	28.1	29.0	29.8
-87.5°	9.7	10.5	11.3	12.0	12.8	13.5	14.2	14.8	15.5	16.1	16.7
-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: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-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°	17.2	17.7	18.2	18.6	19.0	19.4	19.7	20.0	20.3	20.5	20.7
85°	30.6	31.3	32.0	32.6	33.2	33.7	34.2	34.6	35.0	35.3	35.5
82.5°	45.1	46.6	47.9	49.2	50.4	51.4	52.4	53.2	53.9	54.6	55.1
80°	62.5	64.8	67.0	69.1	70.9	72.6	74.2	75.5	76.7	77.7	78.5
77.5°	86.2	95.1	103.5	111.2	118.3	124.8	130.7	135.9	140.4	144.2	147.4
75°	145.4	161.7	189.2	214.8	238.3	259.8	279.1	296.2	311.2	323.9	334.4
72.5°	293.8	328.3	365.0	412.4	456.0	495.8	531.7	563.6	591.3	614.9	634.3
70°	513.5	576.2	634.8	693.8	755.3	811.5	862.1	907.0	946.2	979.6	1007.0
67.5°	788.0	874.8	956.1	1031.7	1108.1	1181.2	1247.1	1305.7	1356.8	1400.3	1436.0
65°	1101.2	1212.5	1316.9	1414.1	1504.3	1598.4	1683.4	1759.0	1825.0	1881.1	1927.3
62.5°	1451.1	1585.5	1718.5	1842.4	1956.8	2063.8	2162.8	2250.9	2327.9	2393.5	2447.4
60°	1842.4	1998.1	2150.7	2293.6	2425.7	2547.0	2671.1	2781.7	2878.3	2960.7	3028.5
57.5°	2247.6	2425.7	2599.9	2777.4	2941.8	3092.3	3241.0	3381.6	3504.6	3609.5	3696.0
55°	2671.1	2890.8	3097.6	3313.1	3520.5	3710.7	3883.0	4036.5	4170.9	4285.6	4380.2
52.5°	3128.7	3400.2	3659.4	3901.9	4126.5	4332.9	4520.1	4682.0	4822.8	4943.2	5042.5
50°	3646.9	3942.8	4221.7	4483.3	4719.4	4934.2	5129.4	5316.6	5493.0	5644.0	5768.6
47.5°	4158.9	4476.0	4767.0	5037.6	5299.9	5567.1	5810.4	6111.0	6749.0	7295.5	7747.5
45°	4656.4	4982.2	5301.7	5636.2	5948.4	6804.3	7679.4	8465.4	9043.2	9523.2	9920.6
42.5°	5127.8	5514.0	5894.2	6858.1	7974.5	8922.4	9685.8	10372.8	10827.8	11118.0	11358.6
40°	5643.0	6246.1	7596.8	8814.3	9782.1	10661.5	11119.7	11533.1	11917.5	12288.8	12597.4
37.5°	6540.0	8046.4	9307.8	10410.2	11088.3	11625.4	12177.2	12703.6	13175.1	13719.9	14173.6
35°	8197.3	9557.4	10724.3	11378.7	12032.0	12711.4	13401.3	14169.5	14852.8	15636.7	16343.8
32.5°	9557.4	10795.9	11525.7	12298.8	13075.9	14031.3	14941.9	16104.2	17163.8	18308.5	19463.6
30°	10724.3	11525.7	12388.5	13297.1	14417.0	15673.8	17074.7	18715.3	20435.9	22114.3	24004.4
27.5°	11378.7	12298.8	13297.1	14546.9	16058.3	17688.5	19942.9	22231.0	25026.8	27479.1	32294.4
25°	12032.0	13075.9	14417.0	16058.3	17989.5	20568.6	23689.2	27040.6	33525.0	39775.2	48919.9
22.5°	12711.4	14031.3	15673.8	17688.5	20568.6	24182.2	28844.4	37283.7	48723.9	62440.1	76884.1
20°	13401.3	14941.9	17074.7	19942.9	23689.2	28844.4	38558.5	54094.5	71931.6	94629.9	115567.9
17.5°	14169.5	16104.2	18715.3	22231.0	27040.6	37283.7	54094.5	76270.2	103830.2	135195.4	164589.0
15°	14852.8	17163.8	20435.9	25026.8	33525.0	48723.9	71931.6	103830.2	141927.6	181126.0	219496.2
12.5°	15636.7	18308.5	22114.3	27479.1	39775.2	62440.1	94629.9	135195.4	181126.0	228815.5	274284.8
10°	16343.8	19463.6	24004.4	32294.4	48919.9	76884.1	115567.9	164589.0	219496.2	274284.8	328200.6
7.5°	16903.2	20379.7	25508.7	36154.6	57465.8	91192.1	137108.8	192620.3	252864.5	314694.3	377498.0
5°	17307.9	21044.2	26602.6	38971.5	63729.9	101740.5	153112.4	213884.7	278842.6	348076.4	418464.9
2.5°	17553.0	21447.0	27267.1	40686.8	67556.5	108211.8	162987.6	227113.8	295199.2	369381.0	448349.1
0°	17635.0	21582.0	27490.0	41262.9	68843.9	110393.9	166327.8	231608.7	300794.6	376799.5	459088.4
-2.5°	17553.0	21447.0	27267.1	40686.8	67556.5	108211.8	162987.6	227113.8	295199.2	369381.0	448349.1
-5°	17307.9	21044.2	26602.6	38971.5	63729.9	101740.5	153112.4	213884.7	278842.6	348076.4	418464.9
-7.5°	16903.2	20379.7	25508.7	36154.6	57465.8	91192.1	137108.8	192620.3	252864.5	314694.3	377498.0
-10°	16343.8	19463.6	24004.4	32294.4	48919.9	76884.1	115567.9	164589.0	219496.2	274284.8	328200.6
-12.5°	15636.7	18308.5	22114.3	27479.1	39775.2	62440.1	94629.9	135195.4	181126.0	228815.5	274284.8
-15°	14852.8	17163.8	20435.9	25026.8	33525.0	48723.9	71931.6	103830.2	141927.6	181126.0	219496.2
-17.5°	14169.5	16104.2	18715.3	22231.0	27040.6	37283.7	54094.5	76270.2	103830.2	135195.4	164589.0
-20°	13401.3	14941.9	17074.7	19942.9	23689.2	28844.4	38558.5	54094.5	71931.6	94629.9	115567.9



REPORT NUMBER: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12711.4	14031.3	15673.8	17688.5	20568.6	24182.2	28844.4	37283.7	48723.9	62440.1	76884.1
-25°	12032.0	13075.9	14417.0	16058.3	17989.5	20568.6	23689.2	27040.6	33525.0	39775.2	48919.9
-27.5°	11378.7	12298.8	13297.1	14546.9	16058.3	17688.5	19942.9	22231.0	25026.8	27479.1	32294.4
-30°	10724.3	11525.7	12388.5	13297.1	14417.0	15673.8	17074.7	18715.3	20435.9	22114.3	24004.4
-32.5°	9557.4	10795.9	11525.7	12298.8	13075.9	14031.3	14941.9	16104.2	17163.8	18308.5	19463.6
-35°	8197.3	9557.4	10724.3	11378.7	12032.0	12711.4	13401.3	14169.5	14852.8	15636.7	16343.8
-37.5°	6540.0	8046.4	9307.8	10410.2	11088.3	11625.4	12177.2	12703.6	13175.1	13719.9	14173.6
-40°	5643.0	6246.1	7596.8	8814.3	9782.1	10661.5	11119.7	11533.1	11917.5	12288.8	12597.4
-42.5°	5127.8	5514.0	5894.2	6858.1	7974.5	8922.4	9685.8	10372.8	10827.8	11118.0	11358.6
-45°	4656.4	4982.2	5301.7	5636.2	5948.4	6804.3	7679.4	8465.4	9043.2	9523.2	9920.6
-47.5°	4158.9	4476.0	4767.0	5037.6	5299.9	5567.1	5810.4	6111.0	6749.0	7295.5	7747.5
-50°	3646.9	3942.8	4221.7	4483.3	4719.4	4934.2	5129.4	5316.6	5493.0	5644.0	5768.6
-52.5°	3128.7	3400.2	3659.4	3901.9	4126.5	4332.9	4520.1	4682.0	4822.8	4943.2	5042.5
-55°	2671.1	2890.8	3097.6	3313.1	3520.5	3710.7	3883.0	4036.5	4170.9	4285.6	4380.2
-57.5°	2247.6	2425.7	2599.9	2777.4	2941.8	3092.3	3241.0	3381.6	3504.6	3609.5	3696.0
-60°	1842.4	1998.1	2150.7	2293.6	2425.7	2547.0	2671.1	2781.7	2878.3	2960.7	3028.5
-62.5°	1451.1	1585.5	1718.5	1842.4	1956.8	2063.8	2162.8	2250.9	2327.9	2393.5	2447.4
-65°	1101.2	1212.5	1316.9	1414.1	1504.3	1598.4	1683.4	1759.0	1825.0	1881.1	1927.3
-67.5°	788.0	874.8	956.1	1031.7	1108.1	1181.2	1247.1	1305.7	1356.8	1400.3	1436.0
-70°	513.5	576.2	634.8	693.8	755.3	811.5	862.1	907.0	946.2	979.6	1007.0
-72.5°	293.8	328.3	365.0	412.4	456.0	495.8	531.7	563.6	591.3	614.9	634.3
-75°	145.4	161.7	189.2	214.8	238.3	259.8	279.1	296.2	311.2	323.9	334.4
-77.5°	86.2	95.1	103.5	111.2	118.3	124.8	130.7	135.9	140.4	144.2	147.4
-80°	62.5	64.8	67.0	69.1	70.9	72.6	74.2	75.5	76.7	77.7	78.5
-82.5°	45.1	46.6	47.9	49.2	50.4	51.4	52.4	53.2	53.9	54.6	55.1
-85°	30.6	31.3	32.0	32.6	33.2	33.7	34.2	34.6	35.0	35.3	35.5
-87.5°	17.2	17.7	18.2	18.6	19.0	19.4	19.7	20.0	20.3	20.5	20.7
-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: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-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°	20.8	20.9	21.0	21.0	21.0	20.9	20.8	20.7	20.5	20.3	20.0
85°	35.7	35.9	36.0	36.0	36.0	35.9	35.7	35.5	35.3	35.0	34.6
82.5°	55.5	55.8	55.9	56.0	55.9	55.8	55.5	55.1	54.6	53.9	53.2
80°	79.2	79.6	79.9	80.0	79.9	79.6	79.2	78.5	77.7	76.7	75.5
77.5°	149.8	151.6	152.6	153.0	152.6	151.6	149.8	147.4	144.2	140.4	135.9
75°	342.5	348.3	351.8	353.0	351.8	348.3	342.5	334.4	323.9	311.2	296.2
72.5°	649.5	660.3	666.8	669.0	666.8	660.3	649.5	634.3	614.9	591.3	563.6
70°	1028.4	1043.7	1052.9	1056.0	1052.9	1043.7	1028.4	1007.0	979.6	946.2	907.0
67.5°	1464.0	1484.0	1496.0	1500.0	1496.0	1484.0	1464.0	1436.0	1400.3	1356.8	1305.7
65°	1963.4	1989.3	2004.8	2010.0	2004.8	1989.3	1963.4	1927.3	1881.1	1825.0	1759.0
62.5°	2489.6	2519.8	2537.9	2544.0	2537.9	2519.8	2489.6	2447.4	2393.5	2327.9	2250.9
60°	3081.5	3119.5	3142.4	3150.0	3142.4	3119.5	3081.5	3028.5	2960.7	2878.3	2781.7
57.5°	3763.6	3812.1	3841.3	3851.0	3841.3	3812.1	3763.6	3696.0	3609.5	3504.6	3381.6
55°	4454.2	4507.4	4539.3	4550.0	4539.3	4507.4	4454.2	4380.2	4285.6	4170.9	4036.5
52.5°	5120.3	5176.1	5209.8	5221.0	5209.8	5176.1	5120.3	5042.5	4943.2	4822.8	4682.0
50°	5866.4	5936.6	5978.9	5993.0	5978.9	5936.6	5866.4	5768.6	5644.0	5493.0	5316.6
47.5°	8102.1	8357.0	8510.7	8562.0	8510.7	8357.0	8102.1	7747.5	7295.5	6749.0	6111.0
45°	10232.7	10457.3	10592.7	10638.0	10592.7	10457.3	10232.7	9920.6	9523.2	9043.2	8465.4
42.5°	11547.9	11684.2	11766.5	11794.0	11766.5	11684.2	11547.9	11358.6	11118.0	10827.8	10372.8
40°	12840.4	13015.7	13121.6	13157.0	13121.6	13015.7	12840.4	12597.4	12288.8	11917.5	11533.1
37.5°	14531.7	14790.3	14946.7	14999.0	14946.7	14790.3	14531.7	14173.6	13719.9	13175.1	12703.6
35°	16903.2	17307.9	17553.0	17635.0	17553.0	17307.9	16903.2	16343.8	15636.7	14852.8	14169.5
32.5°	20379.7	21044.2	21447.0	21582.0	21447.0	21044.2	20379.7	19463.6	18308.5	17163.8	16104.2
30°	25508.7	26602.6	27267.1	27490.0	27267.1	26602.6	25508.7	24004.4	22114.3	20435.9	18715.3
27.5°	36154.6	38971.5	40686.8	41262.9	40686.8	38971.5	36154.6	32294.4	27479.1	25026.8	22231.0
25°	57465.8	63729.9	67556.5	68843.9	67556.5	63729.9	57465.8	48919.9	39775.2	33525.0	27040.6
22.5°	91192.1	101740.5	108211.8	110393.9	108211.8	101740.5	91192.1	76884.1	62440.1	48723.9	37283.7
20°	137108.8	153112.4	162987.6	166327.8	162987.6	153112.4	137108.8	115567.9	94629.9	71931.6	54094.5
17.5°	192620.3	213884.7	227113.8	231608.7	227113.8	213884.7	192620.3	164589.0	135195.4	103830.2	76270.2
15°	252864.5	278842.6	295199.2	300794.6	295199.2	278842.6	252864.5	219496.2	181126.0	141927.6	103830.2
12.5°	314694.3	348076.4	369381.0	376799.5	369381.0	348076.4	314694.3	274284.8	228815.5	181126.0	135195.4
10°	377498.0	418464.9	448349.1	459088.4	448349.1	418464.9	377498.0	328200.6	274284.8	219496.2	164589.0
7.5°	438242.4	495049.5	528927.7	538676.3	528927.7	495049.5	438242.4	377498.0	314694.3	252864.5	192620.3
5°	495049.5	549149.6	581237.9	593566.3	581237.9	549149.6	495049.5	418464.9	348076.4	278842.6	213884.7
2.5°	528927.7	581237.9	624184.6	644201.2	624184.6	581237.9	528927.7	448349.1	369381.0	295199.2	227113.8
0°	538676.3	593566.3	644201.2	669072.2	644201.2	593566.3	538676.3	459088.4	376799.5	300794.6	231608.7
-2.5°	528927.7	581237.9	624184.6	644201.2	624184.6	581237.9	528927.7	448349.1	369381.0	295199.2	227113.8
-5°	495049.5	549149.6	581237.9	593566.3	581237.9	549149.6	495049.5	418464.9	348076.4	278842.6	213884.7
-7.5°	438242.4	495049.5	528927.7	538676.3	528927.7	495049.5	438242.4	377498.0	314694.3	252864.5	192620.3
-10°	377498.0	418464.9	448349.1	459088.4	448349.1	418464.9	377498.0	328200.6	274284.8	219496.2	164589.0
-12.5°	314694.3	348076.4	369381.0	376799.5	369381.0	348076.4	314694.3	274284.8	228815.5	181126.0	135195.4
-15°	252864.5	278842.6	295199.2	300794.6	295199.2	278842.6	252864.5	219496.2	181126.0	141927.6	103830.2
-17.5°	192620.3	213884.7	227113.8	231608.7	227113.8	213884.7	192620.3	164589.0	135195.4	103830.2	76270.2
-20°	137108.8	153112.4	162987.6	166327.8	162987.6	153112.4	137108.8	115567.9	94629.9	71931.6	54094.5



REPORT NUMBER: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	91192.1	101740.5	108211.8	110393.9	108211.8	101740.5	91192.1	76884.1	62440.1	48723.9	37283.7
-25°	57465.8	63729.9	67556.5	68843.9	67556.5	63729.9	57465.8	48919.9	39775.2	33525.0	27040.6
-27.5°	36154.6	38971.5	40686.8	41262.9	40686.8	38971.5	36154.6	32294.4	27479.1	25026.8	22231.0
-30°	25508.7	26602.6	27267.1	27490.0	27267.1	26602.6	25508.7	24004.4	22114.3	20435.9	18715.3
-32.5°	20379.7	21044.2	21447.0	21582.0	21447.0	21044.2	20379.7	19463.6	18308.5	17163.8	16104.2
-35°	16903.2	17307.9	17553.0	17635.0	17553.0	17307.9	16903.2	16343.8	15636.7	14852.8	14169.5
-37.5°	14531.7	14790.3	14946.7	14999.0	14946.7	14790.3	14531.7	14173.6	13719.9	13175.1	12703.6
-40°	12840.4	13015.7	13121.6	13157.0	13121.6	13015.7	12840.4	12597.4	12288.8	11917.5	11533.1
-42.5°	11547.9	11684.2	11766.5	11794.0	11766.5	11684.2	11547.9	11358.6	11118.0	10827.8	10372.8
-45°	10232.7	10457.3	10592.7	10638.0	10592.7	10457.3	10232.7	9920.6	9523.2	9043.2	8465.4
-47.5°	8102.1	8357.0	8510.7	8562.0	8510.7	8357.0	8102.1	7747.5	7295.5	6749.0	6111.0
-50°	5866.4	5936.6	5978.9	5993.0	5978.9	5936.6	5866.4	5768.6	5644.0	5493.0	5316.6
-52.5°	5120.3	5176.1	5209.8	5221.0	5209.8	5176.1	5120.3	5042.5	4943.2	4822.8	4682.0
-55°	4454.2	4507.4	4539.3	4550.0	4539.3	4507.4	4454.2	4380.2	4285.6	4170.9	4036.5
-57.5°	3763.6	3812.1	3841.3	3851.0	3841.3	3812.1	3763.6	3696.0	3609.5	3504.6	3381.6
-60°	3081.5	3119.5	3142.4	3150.0	3142.4	3119.5	3081.5	3028.5	2960.7	2878.3	2781.7
-62.5°	2489.6	2519.8	2537.9	2544.0	2537.9	2519.8	2489.6	2447.4	2393.5	2327.9	2250.9
-65°	1963.4	1989.3	2004.8	2010.0	2004.8	1989.3	1963.4	1927.3	1881.1	1825.0	1759.0
-67.5°	1464.0	1484.0	1496.0	1500.0	1496.0	1484.0	1464.0	1436.0	1400.3	1356.8	1305.7
-70°	1028.4	1043.7	1052.9	1056.0	1052.9	1043.7	1028.4	1007.0	979.6	946.2	907.0
-72.5°	649.5	660.3	666.8	669.0	666.8	660.3	649.5	634.3	614.9	591.3	563.6
-75°	342.5	348.3	351.8	353.0	351.8	348.3	342.5	334.4	323.9	311.2	296.2
-77.5°	149.8	151.6	152.6	153.0	152.6	151.6	149.8	147.4	144.2	140.4	135.9
-80°	79.2	79.6	79.9	80.0	79.9	79.6	79.2	78.5	77.7	76.7	75.5
-82.5°	55.5	55.8	55.9	56.0	55.9	55.8	55.5	55.1	54.6	53.9	53.2
-85°	35.7	35.9	36.0	36.0	36.0	35.9	35.7	35.5	35.3	35.0	34.6
-87.5°	20.8	20.9	21.0	21.0	21.0	20.9	20.8	20.7	20.5	20.3	20.0
-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: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-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°	19.7	19.4	19.0	18.6	18.2	17.7	17.2	16.7	16.1	15.5	14.8
85°	34.2	33.7	33.2	32.6	32.0	31.3	30.6	29.8	29.0	28.1	27.2
82.5°	52.4	51.4	50.4	49.2	47.9	46.6	45.1	43.6	41.9	40.2	38.4
80°	74.2	72.6	70.9	69.1	67.0	64.8	62.5	60.0	57.4	54.8	52.4
77.5°	130.7	124.8	118.3	111.2	103.5	95.1	86.2	78.9	75.6	72.1	68.5
75°	279.1	259.8	238.3	214.8	189.2	161.7	145.4	134.0	121.9	109.2	95.9
72.5°	531.7	495.8	456.0	412.4	365.0	328.3	293.8	257.2	218.4	177.7	146.5
70°	862.1	811.5	755.3	693.8	634.8	576.2	513.5	447.1	376.9	321.4	272.6
67.5°	1247.1	1181.2	1108.1	1031.7	956.1	874.8	788.0	696.0	611.7	528.5	441.5
65°	1683.4	1598.4	1504.3	1414.1	1316.9	1212.5	1101.2	992.5	884.1	770.4	654.8
62.5°	2162.8	2063.8	1956.8	1842.4	1718.5	1585.5	1451.1	1320.5	1183.0	1041.1	910.0
60°	2671.1	2547.0	2425.7	2293.6	2150.7	1998.1	1842.4	1677.6	1504.3	1345.8	1181.2
57.5°	3241.0	3092.3	2941.8	2777.4	2599.9	2425.7	2247.6	2059.3	1868.2	1670.8	1469.7
55°	3883.0	3710.7	3520.5	3313.1	3097.6	2890.8	2671.1	2451.7	2237.4	2013.6	1791.2
52.5°	4520.1	4332.9	4126.5	3901.9	3659.4	3400.2	3128.7	2878.3	2616.0	2366.4	2116.1
50°	5129.4	4934.2	4719.4	4483.3	4221.7	3942.8	3646.9	3335.3	3028.5	2735.2	2444.5
47.5°	5810.4	5567.1	5299.9	5037.6	4767.0	4476.0	4158.9	3825.9	3477.2	3119.5	2795.2
45°	7679.4	6804.3	5948.4	5636.2	5301.7	4982.2	4656.4	4305.1	3934.3	3548.7	3150.0
42.5°	9685.8	8922.4	7974.5	6858.1	5894.2	5514.0	5127.8	4764.0	4378.7	3970.5	3548.7
40°	11119.7	10661.5	9782.1	8814.3	7596.8	6246.1	5643.0	5201.3	4800.1	4378.7	3934.3
37.5°	12177.2	11625.4	11088.3	10410.2	9307.8	8046.4	6540.0	5686.2	5201.3	4764.0	4305.1
35°	13401.3	12711.4	12032.0	11378.7	10724.3	9557.4	8197.3	6540.0	5643.0	5127.8	4656.4
32.5°	14941.9	14031.3	13075.9	12298.8	11525.7	10795.9	9557.4	8046.4	6246.1	5514.0	4982.2
30°	17074.7	15673.8	14417.0	13297.1	12388.5	11525.7	10724.3	9307.8	7596.8	5894.2	5301.7
27.5°	19942.9	17688.5	16058.3	14546.9	13297.1	12298.8	11378.7	10410.2	8814.3	6858.1	5636.2
25°	23689.2	20568.6	17989.5	16058.3	14417.0	13075.9	12032.0	11088.3	9782.1	7974.5	5948.4
22.5°	28844.4	24182.2	20568.6	17688.5	15673.8	14031.3	12711.4	11625.4	10661.5	8922.4	6804.3
20°	38558.5	28844.4	23689.2	19942.9	17074.7	14941.9	13401.3	12177.2	11119.7	9685.8	7679.4
17.5°	54094.5	37283.7	27040.6	22231.0	18715.3	16104.2	14169.5	12703.6	11533.1	10372.8	8465.4
15°	71931.6	48723.9	33525.0	25026.8	20435.9	17163.8	14852.8	13175.1	11917.5	10827.8	9043.2
12.5°	94629.9	62440.1	39775.2	27479.1	22114.3	18308.5	15636.7	13719.9	12288.8	11118.0	9523.2
10°	115567.9	76884.1	48919.9	32294.4	24004.4	19463.6	16343.8	14173.6	12597.4	11358.6	9920.6
7.5°	137108.8	91192.1	57465.8	36154.6	25508.7	20379.7	16903.2	14531.7	12840.4	11547.9	10232.7
5°	153112.4	101740.5	63729.9	38971.5	26602.6	21044.2	17307.9	14790.3	13015.7	11684.2	10457.3
2.5°	162987.6	108211.8	67556.5	40686.8	27267.1	21447.0	17553.0	14946.7	13121.6	11766.5	10592.7
0°	166327.8	110393.9	68843.9	41262.9	27490.0	21582.0	17635.0	14999.0	13157.0	11794.0	10638.0
-2.5°	162987.6	108211.8	67556.5	40686.8	27267.1	21447.0	17553.0	14946.7	13121.6	11766.5	10592.7
-5°	153112.4	101740.5	63729.9	38971.5	26602.6	21044.2	17307.9	14790.3	13015.7	11684.2	10457.3
-7.5°	137108.8	91192.1	57465.8	36154.6	25508.7	20379.7	16903.2	14531.7	12840.4	11547.9	10232.7
-10°	115567.9	76884.1	48919.9	32294.4	24004.4	19463.6	16343.8	14173.6	12597.4	11358.6	9920.6
-12.5°	94629.9	62440.1	39775.2	27479.1	22114.3	18308.5	15636.7	13719.9	12288.8	11118.0	9523.2
-15°	71931.6	48723.9	33525.0	25026.8	20435.9	17163.8	14852.8	13175.1	11917.5	10827.8	9043.2
-17.5°	54094.5	37283.7	27040.6	22231.0	18715.3	16104.2	14169.5	12703.6	11533.1	10372.8	8465.4
-20°	38558.5	28844.4	23689.2	19942.9	17074.7	14941.9	13401.3	12177.2	11119.7	9685.8	7679.4



REPORT NUMBER: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	28844.4	24182.2	20568.6	17688.5	15673.8	14031.3	12711.4	11625.4	10661.5	8922.4	6804.3
-25°	23689.2	20568.6	17989.5	16058.3	14417.0	13075.9	12032.0	11088.3	9782.1	7974.5	5948.4
-27.5°	19942.9	17688.5	16058.3	14546.9	13297.1	12298.8	11378.7	10410.2	8814.3	6858.1	5636.2
-30°	17074.7	15673.8	14417.0	13297.1	12388.5	11525.7	10724.3	9307.8	7596.8	5894.2	5301.7
-32.5°	14941.9	14031.3	13075.9	12298.8	11525.7	10795.9	9557.4	8046.4	6246.1	5514.0	4982.2
-35°	13401.3	12711.4	12032.0	11378.7	10724.3	9557.4	8197.3	6540.0	5643.0	5127.8	4656.4
-37.5°	12177.2	11625.4	11088.3	10410.2	9307.8	8046.4	6540.0	5686.2	5201.3	4764.0	4305.1
-40°	11119.7	10661.5	9782.1	8814.3	7596.8	6246.1	5643.0	5201.3	4800.1	4378.7	3934.3
-42.5°	9685.8	8922.4	7974.5	6858.1	5894.2	5514.0	5127.8	4764.0	4378.7	3970.5	3548.7
-45°	7679.4	6804.3	5948.4	5636.2	5301.7	4982.2	4656.4	4305.1	3934.3	3548.7	3150.0
-47.5°	5810.4	5567.1	5299.9	5037.6	4767.0	4476.0	4158.9	3825.9	3477.2	3119.5	2795.2
-50°	5129.4	4934.2	4719.4	4483.3	4221.7	3942.8	3646.9	3335.3	3028.5	2735.2	2444.5
-52.5°	4520.1	4332.9	4126.5	3901.9	3659.4	3400.2	3128.7	2878.3	2616.0	2366.4	2116.1
-55°	3883.0	3710.7	3520.5	3313.1	3097.6	2890.8	2671.1	2451.7	2237.4	2013.6	1791.2
-57.5°	3241.0	3092.3	2941.8	2777.4	2599.9	2425.7	2247.6	2059.3	1868.2	1670.8	1469.7
-60°	2671.1	2547.0	2425.7	2293.6	2150.7	1998.1	1842.4	1677.6	1504.3	1345.8	1181.2
-62.5°	2162.8	2063.8	1956.8	1842.4	1718.5	1585.5	1451.1	1320.5	1183.0	1041.1	910.0
-65°	1683.4	1598.4	1504.3	1414.1	1316.9	1212.5	1101.2	992.5	884.1	770.4	654.8
-67.5°	1247.1	1181.2	1108.1	1031.7	956.1	874.8	788.0	696.0	611.7	528.5	441.5
-70°	862.1	811.5	755.3	693.8	634.8	576.2	513.5	447.1	376.9	321.4	272.6
-72.5°	531.7	495.8	456.0	412.4	365.0	328.3	293.8	257.2	218.4	177.7	146.5
-75°	279.1	259.8	238.3	214.8	189.2	161.7	145.4	134.0	121.9	109.2	95.9
-77.5°	130.7	124.8	118.3	111.2	103.5	95.1	86.2	78.9	75.6	72.1	68.5
-80°	74.2	72.6	70.9	69.1	67.0	64.8	62.5	60.0	57.4	54.8	52.4
-82.5°	52.4	51.4	50.4	49.2	47.9	46.6	45.1	43.6	41.9	40.2	38.4
-85°	34.2	33.7	33.2	32.6	32.0	31.3	30.6	29.8	29.0	28.1	27.2
-87.5°	19.7	19.4	19.0	18.6	18.2	17.7	17.2	16.7	16.1	15.5	14.8
-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: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-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°	14.2	13.5	12.8	12.0	11.3	10.5	9.7	8.9	8.0	7.2	6.3
85°	26.3	25.3	24.2	23.2	22.1	21.0	19.4	17.7	16.1	14.3	12.6
82.5°	36.5	34.9	33.3	31.8	30.1	28.5	26.7	25.0	23.2	21.4	18.9
80°	49.9	47.3	44.5	41.7	38.8	35.9	33.6	31.3	28.9	26.4	24.0
77.5°	64.7	60.8	56.7	53.1	49.4	45.7	41.9	38.0	34.5	31.5	28.4
75°	82.1	75.9	71.0	66.0	60.7	55.5	50.9	46.2	41.5	36.6	32.8
72.5°	130.3	113.4	96.0	79.3	73.3	67.0	60.6	54.4	48.9	43.2	37.5
70°	221.8	169.0	138.9	118.3	97.2	78.5	71.2	63.8	56.2	49.7	43.2
67.5°	351.7	292.2	230.7	167.4	134.5	110.1	85.2	73.3	64.8	56.2	48.9
65°	553.9	449.4	345.7	275.3	203.0	144.2	116.6	88.4	73.3	63.8	54.4
62.5°	773.8	639.4	520.5	398.2	302.2	220.9	147.5	116.6	85.2	71.2	60.6
60°	1016.2	862.1	703.2	563.6	426.8	311.2	220.9	144.2	110.1	78.5	67.0
57.5°	1284.1	1092.3	915.5	738.6	577.9	426.8	302.2	203.0	134.5	97.2	73.3
55°	1561.0	1346.3	1133.5	933.3	738.6	563.6	398.2	275.3	167.4	118.3	79.3
52.5°	1864.1	1609.3	1367.2	1133.5	915.5	703.2	520.5	345.7	230.7	138.9	96.0
50°	2167.7	1888.5	1609.3	1346.3	1092.3	862.1	639.4	449.4	292.2	169.0	113.4
47.5°	2470.6	2167.7	1864.1	1561.0	1284.1	1016.2	773.8	553.9	351.7	221.8	130.3
45°	2795.2	2444.5	2116.1	1791.2	1469.7	1181.2	910.0	654.8	441.5	272.6	146.5
42.5°	3119.5	2735.2	2366.4	2013.6	1670.8	1345.8	1041.1	770.4	528.5	321.4	177.7
40°	3477.2	3028.5	2616.0	2237.4	1868.2	1504.3	1183.0	884.1	611.7	376.9	218.4
37.5°	3825.9	3335.3	2878.3	2451.7	2059.3	1677.6	1320.5	992.5	696.0	447.1	257.2
35°	4158.9	3646.9	3128.7	2671.1	2247.6	1842.4	1451.1	1101.2	788.0	513.5	293.8
32.5°	4476.0	3942.8	3400.2	2890.8	2425.7	1998.1	1585.5	1212.5	874.8	576.2	328.3
30°	4767.0	4221.7	3659.4	3097.6	2599.9	2150.7	1718.5	1316.9	956.1	634.8	365.0
27.5°	5037.6	4483.3	3901.9	3313.1	2777.4	2293.6	1842.4	1414.1	1031.7	693.8	412.4
25°	5299.9	4719.4	4126.5	3520.5	2941.8	2425.7	1956.8	1504.3	1108.1	755.3	456.0
22.5°	5567.1	4934.2	4332.9	3710.7	3092.3	2547.0	2063.8	1598.4	1181.2	811.5	495.8
20°	5810.4	5129.4	4520.1	3883.0	3241.0	2671.1	2162.8	1683.4	1247.1	862.1	531.7
17.5°	6111.0	5316.6	4682.0	4036.5	3381.6	2781.7	2250.9	1759.0	1305.7	907.0	563.6
15°	6749.0	5493.0	4822.8	4170.9	3504.6	2878.3	2327.9	1825.0	1356.8	946.2	591.3
12.5°	7295.5	5644.0	4943.2	4285.6	3609.5	2960.7	2393.5	1881.1	1400.3	979.6	614.9
10°	7747.5	5768.6	5042.5	4380.2	3696.0	3028.5	2447.4	1927.3	1436.0	1007.0	634.3
7.5°	8102.1	5866.4	5120.3	4454.2	3763.6	3081.5	2489.6	1963.4	1464.0	1028.4	649.5
5°	8357.0	5936.6	5176.1	4507.4	3812.1	3119.5	2519.8	1989.3	1484.0	1043.7	660.3
2.5°	8510.7	5978.9	5209.8	4539.3	3841.3	3142.4	2537.9	2004.8	1496.0	1052.9	666.8
0°	8562.0	5993.0	5221.0	4550.0	3851.0	3150.0	2544.0	2010.0	1500.0	1056.0	669.0
-2.5°	8510.7	5978.9	5209.8	4539.3	3841.3	3142.4	2537.9	2004.8	1496.0	1052.9	666.8
-5°	8357.0	5936.6	5176.1	4507.4	3812.1	3119.5	2519.8	1989.3	1484.0	1043.7	660.3
-7.5°	8102.1	5866.4	5120.3	4454.2	3763.6	3081.5	2489.6	1963.4	1464.0	1028.4	649.5
-10°	7747.5	5768.6	5042.5	4380.2	3696.0	3028.5	2447.4	1927.3	1436.0	1007.0	634.3
-12.5°	7295.5	5644.0	4943.2	4285.6	3609.5	2960.7	2393.5	1881.1	1400.3	979.6	614.9
-15°	6749.0	5493.0	4822.8	4170.9	3504.6	2878.3	2327.9	1825.0	1356.8	946.2	591.3
-17.5°	6111.0	5316.6	4682.0	4036.5	3381.6	2781.7	2250.9	1759.0	1305.7	907.0	563.6
-20°	5810.4	5129.4	4520.1	3883.0	3241.0	2671.1	2162.8	1683.4	1247.1	862.1	531.7



REPORT NUMBER: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5567.1	4934.2	4332.9	3710.7	3092.3	2547.0	2063.8	1598.4	1181.2	811.5	495.8
-25°	5299.9	4719.4	4126.5	3520.5	2941.8	2425.7	1956.8	1504.3	1108.1	755.3	456.0
-27.5°	5037.6	4483.3	3901.9	3313.1	2777.4	2293.6	1842.4	1414.1	1031.7	693.8	412.4
-30°	4767.0	4221.7	3659.4	3097.6	2599.9	2150.7	1718.5	1316.9	956.1	634.8	365.0
-32.5°	4476.0	3942.8	3400.2	2890.8	2425.7	1998.1	1585.5	1212.5	874.8	576.2	328.3
-35°	4158.9	3646.9	3128.7	2671.1	2247.6	1842.4	1451.1	1101.2	788.0	513.5	293.8
-37.5°	3825.9	3335.3	2878.3	2451.7	2059.3	1677.6	1320.5	992.5	696.0	447.1	257.2
-40°	3477.2	3028.5	2616.0	2237.4	1868.2	1504.3	1183.0	884.1	611.7	376.9	218.4
-42.5°	3119.5	2735.2	2366.4	2013.6	1670.8	1345.8	1041.1	770.4	528.5	321.4	177.7
-45°	2795.2	2444.5	2116.1	1791.2	1469.7	1181.2	910.0	654.8	441.5	272.6	146.5
-47.5°	2470.6	2167.7	1864.1	1561.0	1284.1	1016.2	773.8	553.9	351.7	221.8	130.3
-50°	2167.7	1888.5	1609.3	1346.3	1092.3	862.1	639.4	449.4	292.2	169.0	113.4
-52.5°	1864.1	1609.3	1367.2	1133.5	915.5	703.2	520.5	345.7	230.7	138.9	96.0
-55°	1561.0	1346.3	1133.5	933.3	738.6	563.6	398.2	275.3	167.4	118.3	79.3
-57.5°	1284.1	1092.3	915.5	738.6	577.9	426.8	302.2	203.0	134.5	97.2	73.3
-60°	1016.2	862.1	703.2	563.6	426.8	311.2	220.9	144.2	110.1	78.5	67.0
-62.5°	773.8	639.4	520.5	398.2	302.2	220.9	147.5	116.6	85.2	71.2	60.6
-65°	553.9	449.4	345.7	275.3	203.0	144.2	116.6	88.4	73.3	63.8	54.4
-67.5°	351.7	292.2	230.7	167.4	134.5	110.1	85.2	73.3	64.8	56.2	48.9
-70°	221.8	169.0	138.9	118.3	97.2	78.5	71.2	63.8	56.2	49.7	43.2
-72.5°	130.3	113.4	96.0	79.3	73.3	67.0	60.6	54.4	48.9	43.2	37.5
-75°	82.1	75.9	71.0	66.0	60.7	55.5	50.9	46.2	41.5	36.6	32.8
-77.5°	64.7	60.8	56.7	53.1	49.4	45.7	41.9	38.0	34.5	31.5	28.4
-80°	49.9	47.3	44.5	41.7	38.8	35.9	33.6	31.3	28.9	26.4	24.0
-82.5°	36.5	34.9	33.3	31.8	30.1	28.5	26.7	25.0	23.2	21.4	18.9
-85°	26.3	25.3	24.2	23.2	22.1	21.0	19.4	17.7	16.1	14.3	12.6
-87.5°	14.2	13.5	12.8	12.0	11.3	10.5	9.7	8.9	8.0	7.2	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: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
85°	10.9	9.1	7.3	5.5	3.7	1.8	0.0
82.5°	16.3	13.6	10.9	8.2	5.5	2.7	0.0
80°	21.5	18.1	14.5	10.9	7.3	3.6	0.0
77.5°	25.3	22.1	18.1	13.6	9.1	4.5	0.0
75°	29.0	25.3	21.5	16.3	10.9	5.4	0.0
72.5°	32.8	28.4	24.0	18.9	12.6	6.3	0.0
70°	36.6	31.5	26.4	21.4	14.3	7.2	0.0
67.5°	41.5	34.5	28.9	23.2	16.1	8.0	0.0
65°	46.2	38.0	31.3	25.0	17.7	8.9	0.0
62.5°	50.9	41.9	33.6	26.7	19.4	9.7	0.0
60°	55.5	45.7	35.9	28.5	21.0	10.5	0.0
57.5°	60.7	49.4	38.8	30.1	22.1	11.3	0.0
55°	66.0	53.1	41.7	31.8	23.2	12.0	0.0
52.5°	71.0	56.7	44.5	33.3	24.2	12.8	0.0
50°	75.9	60.8	47.3	34.9	25.3	13.5	0.0
47.5°	82.1	64.7	49.9	36.5	26.3	14.2	0.0
45°	95.9	68.5	52.4	38.4	27.2	14.8	0.0
42.5°	109.2	72.1	54.8	40.2	28.1	15.5	0.0
40°	121.9	75.6	57.4	41.9	29.0	16.1	0.0
37.5°	134.0	78.9	60.0	43.6	29.8	16.7	0.0
35°	145.4	86.2	62.5	45.1	30.6	17.2	0.0
32.5°	161.7	95.1	64.8	46.6	31.3	17.7	0.0
30°	189.2	103.5	67.0	47.9	32.0	18.2	0.0
27.5°	214.8	111.2	69.1	49.2	32.6	18.6	0.0
25°	238.3	118.3	70.9	50.4	33.2	19.0	0.0
22.5°	259.8	124.8	72.6	51.4	33.7	19.4	0.0
20°	279.1	130.7	74.2	52.4	34.2	19.7	0.0
17.5°	296.2	135.9	75.5	53.2	34.6	20.0	0.0
15°	311.2	140.4	76.7	53.9	35.0	20.3	0.0
12.5°	323.9	144.2	77.7	54.6	35.3	20.5	0.0
10°	334.4	147.4	78.5	55.1	35.5	20.7	0.0
7.5°	342.5	149.8	79.2	55.5	35.7	20.8	0.0
5°	348.3	151.6	79.6	55.8	35.9	20.9	0.0
2.5°	351.8	152.6	79.9	55.9	36.0	21.0	0.0
0°	353.0	153.0	80.0	56.0	36.0	21.0	0.0
-2.5°	351.8	152.6	79.9	55.9	36.0	21.0	0.0
-5°	348.3	151.6	79.6	55.8	35.9	20.9	0.0
-7.5°	342.5	149.8	79.2	55.5	35.7	20.8	0.0
-10°	334.4	147.4	78.5	55.1	35.5	20.7	0.0
-12.5°	323.9	144.2	77.7	54.6	35.3	20.5	0.0
-15°	311.2	140.4	76.7	53.9	35.0	20.3	0.0
-17.5°	296.2	135.9	75.5	53.2	34.6	20.0	0.0
-20°	279.1	130.7	74.2	52.4	34.2	19.7	0.0



REPORT NUMBER: P699914 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-3S-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	259.8	124.8	72.6	51.4	33.7	19.4	0.0
-25°	238.3	118.3	70.9	50.4	33.2	19.0	0.0
-27.5°	214.8	111.2	69.1	49.2	32.6	18.6	0.0
-30°	189.2	103.5	67.0	47.9	32.0	18.2	0.0
-32.5°	161.7	95.1	64.8	46.6	31.3	17.7	0.0
-35°	145.4	86.2	62.5	45.1	30.6	17.2	0.0
-37.5°	134.0	78.9	60.0	43.6	29.8	16.7	0.0
-40°	121.9	75.6	57.4	41.9	29.0	16.1	0.0
-42.5°	109.2	72.1	54.8	40.2	28.1	15.5	0.0
-45°	95.9	68.5	52.4	38.4	27.2	14.8	0.0
-47.5°	82.1	64.7	49.9	36.5	26.3	14.2	0.0
-50°	75.9	60.8	47.3	34.9	25.3	13.5	0.0
-52.5°	71.0	56.7	44.5	33.3	24.2	12.8	0.0
-55°	66.0	53.1	41.7	31.8	23.2	12.0	0.0
-57.5°	60.7	49.4	38.8	30.1	22.1	11.3	0.0
-60°	55.5	45.7	35.9	28.5	21.0	10.5	0.0
-62.5°	50.9	41.9	33.6	26.7	19.4	9.7	0.0
-65°	46.2	38.0	31.3	25.0	17.7	8.9	0.0
-67.5°	41.5	34.5	28.9	23.2	16.1	8.0	0.0
-70°	36.6	31.5	26.4	21.4	14.3	7.2	0.0
-72.5°	32.8	28.4	24.0	18.9	12.6	6.3	0.0
-75°	29.0	25.3	21.5	16.3	10.9	5.4	0.0
-77.5°	25.3	22.1	18.1	13.6	9.1	4.5	0.0
-80°	21.5	18.1	14.5	10.9	7.3	3.6	0.0
-82.5°	16.3	13.6	10.9	8.2	5.5	2.7	0.0
-85°	10.9	9.1	7.3	5.5	3.7	1.8	0.0
-87.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)