

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: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 8/10/2023

**Test Information**

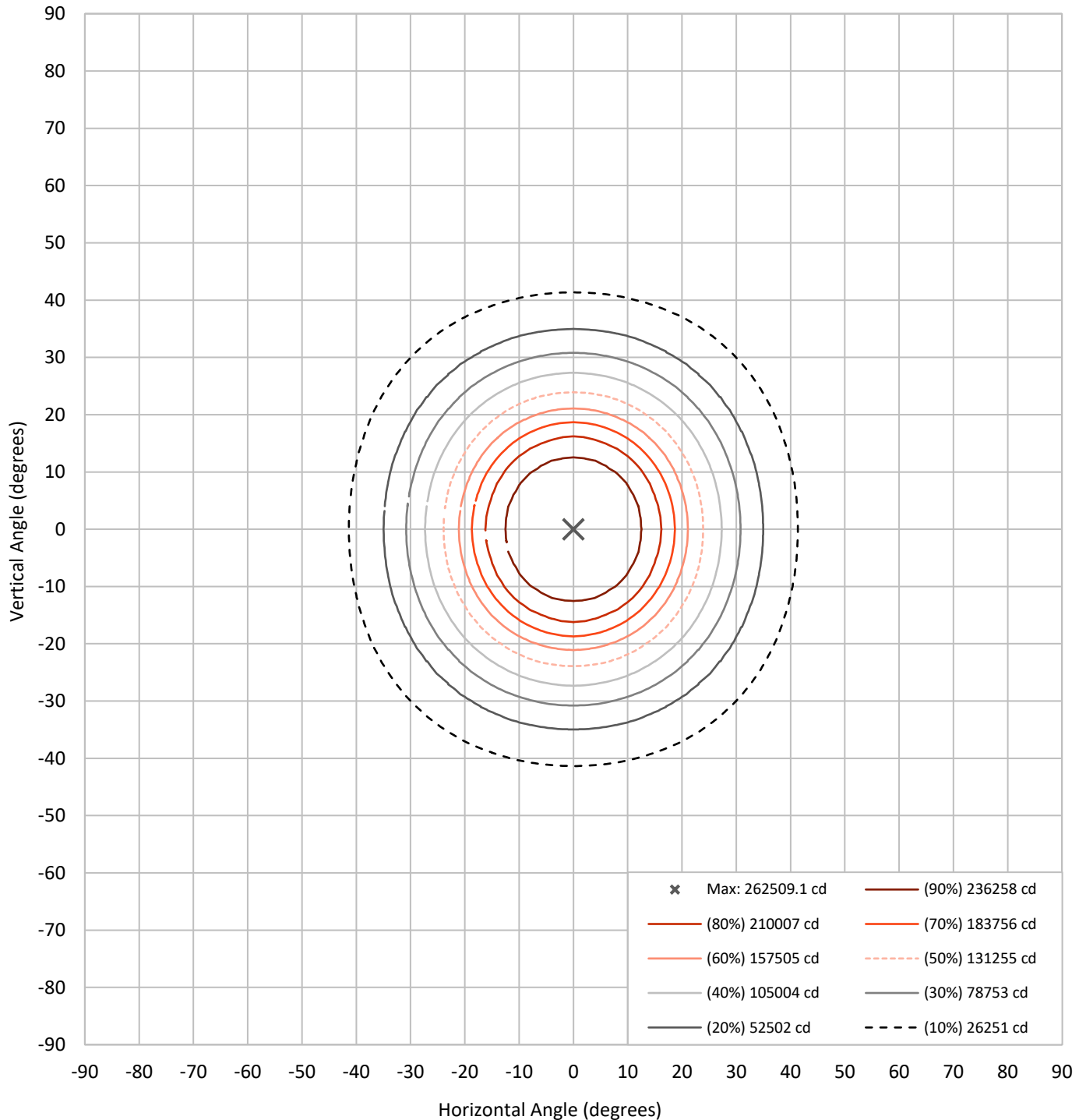
Test Method: LM-79-08  
Report Number: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200L-57-70-5S-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 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:	191558.3 lumens	Max Intensity:	262509.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	157.8 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:	106771.8 lumens	Field Lumens:	176240.1 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		

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### Iso-Candela Plot





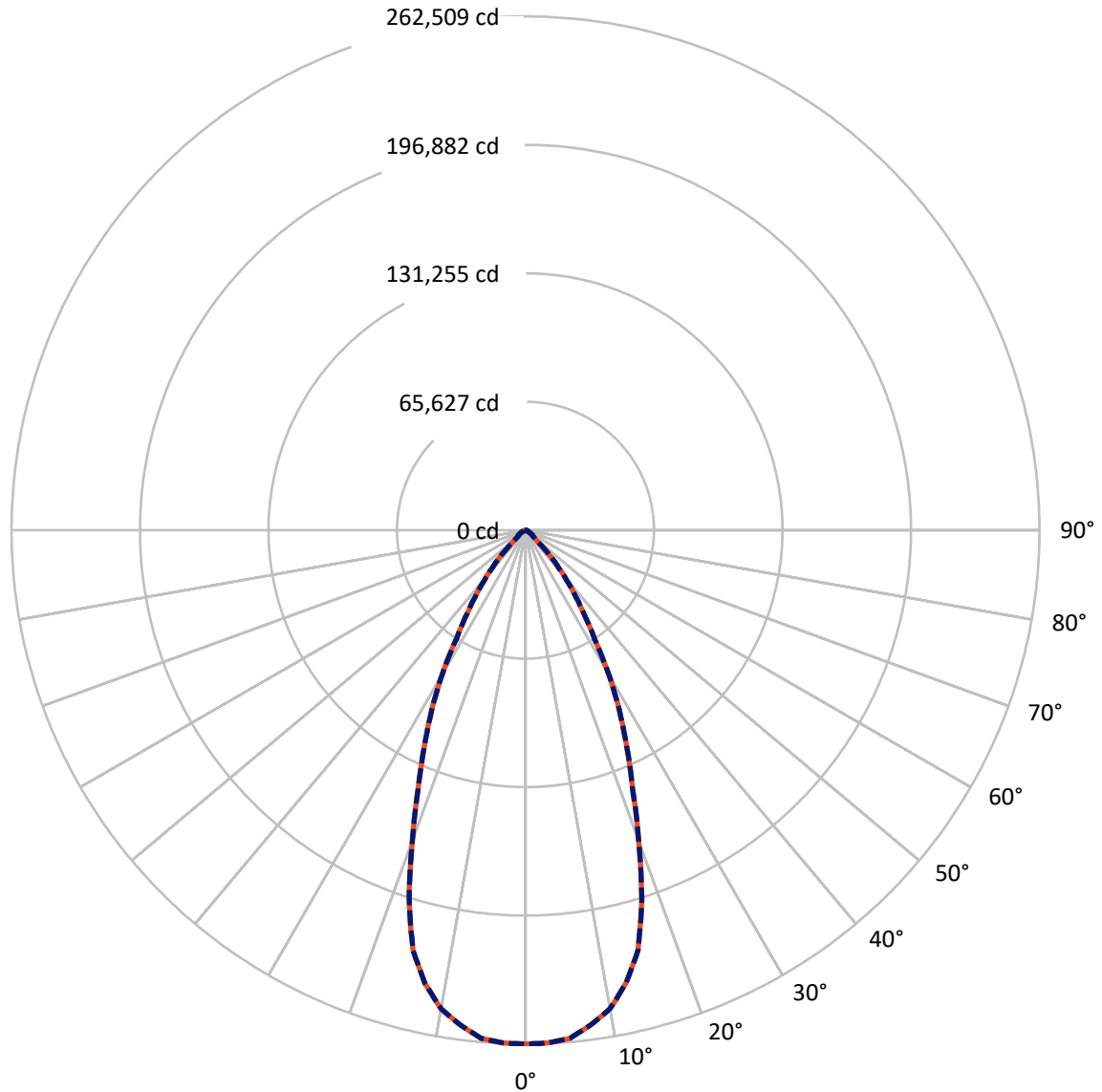
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### Lumen Table

90																			
80	0.2	1.7		6.8		15.5		20.0		15.5		6.8		1.7		0.2			
70																			
60	0.8	1.1	3.9	10.4	20.5	32.3	43.0	49.0	49.0	43.0	32.3	20.5	10.4	3.9	1.1	0.8			
50		3.0	11.9	30.4	57.7	87.7	111.4	124.5	124.5	111.4	87.7	57.7	30.4	11.9	3.0				
40	2.3	6.4	24.9	61.0	106.9	181.9	332.2	455.7	455.7	332.2	181.9	106.9	61.0	24.9	6.4	2.3			
30		10.9	40.9	92.5	235.0	669.9	1198.0	1574.4	1574.4	1198.0	669.9	235.0	92.5	40.9	10.9				
20	4.5	15.6	56.2	143.4	608.9	1510.4	2714.7	3601.0	3601.0	2714.7	1510.4	608.9	143.4	56.2	15.6	4.5			
10		19.5	67.0	248.1	1023.7	2554.5	4632.6	6286.6	6286.6	4632.6	2554.5	1023.7	248.1	67.0	19.5				
0	5.5	21.5	72.5	330.9	1306.1	3289.2	6103.6	7661.5	7661.5	6103.6	3289.2	1306.1	330.9	72.5	21.5	5.5			
-10		21.5	72.5	330.9	1306.1	3289.2	6103.6	7661.5	7661.5	6103.6	3289.2	1306.1	330.9	72.5	21.5				
-20	4.5	19.5	67.0	248.1	1023.7	2554.5	4632.6	6286.6	6286.6	4632.6	2554.5	1023.7	248.1	67.0	19.5	4.5			
-30		15.6	56.2	143.4	608.9	1510.4	2714.7	3601.0	3601.0	2714.7	1510.4	608.9	143.4	56.2	15.6				
-40	2.3	10.9	40.9	92.5	235.0	669.9	1198.0	1574.4	1574.4	1198.0	669.9	235.0	92.5	40.9	10.9	2.3			
-50		6.4	24.9	61.0	106.9	181.9	332.2	455.7	455.7	332.2	181.9	106.9	61.0	24.9	6.4				
-60	0.8	3.0	11.9	30.4	57.7	87.7	111.4	124.5	124.5	111.4	87.7	57.7	30.4	11.9	3.0	0.8			
-70		1.1	3.9	10.4	20.5	32.3	43.0	49.0	49.0	43.0	32.3	20.5	10.4	3.9	1.1				
-80	0.2	1.7		6.8		15.5		20.0		15.5		6.8		1.7		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-S

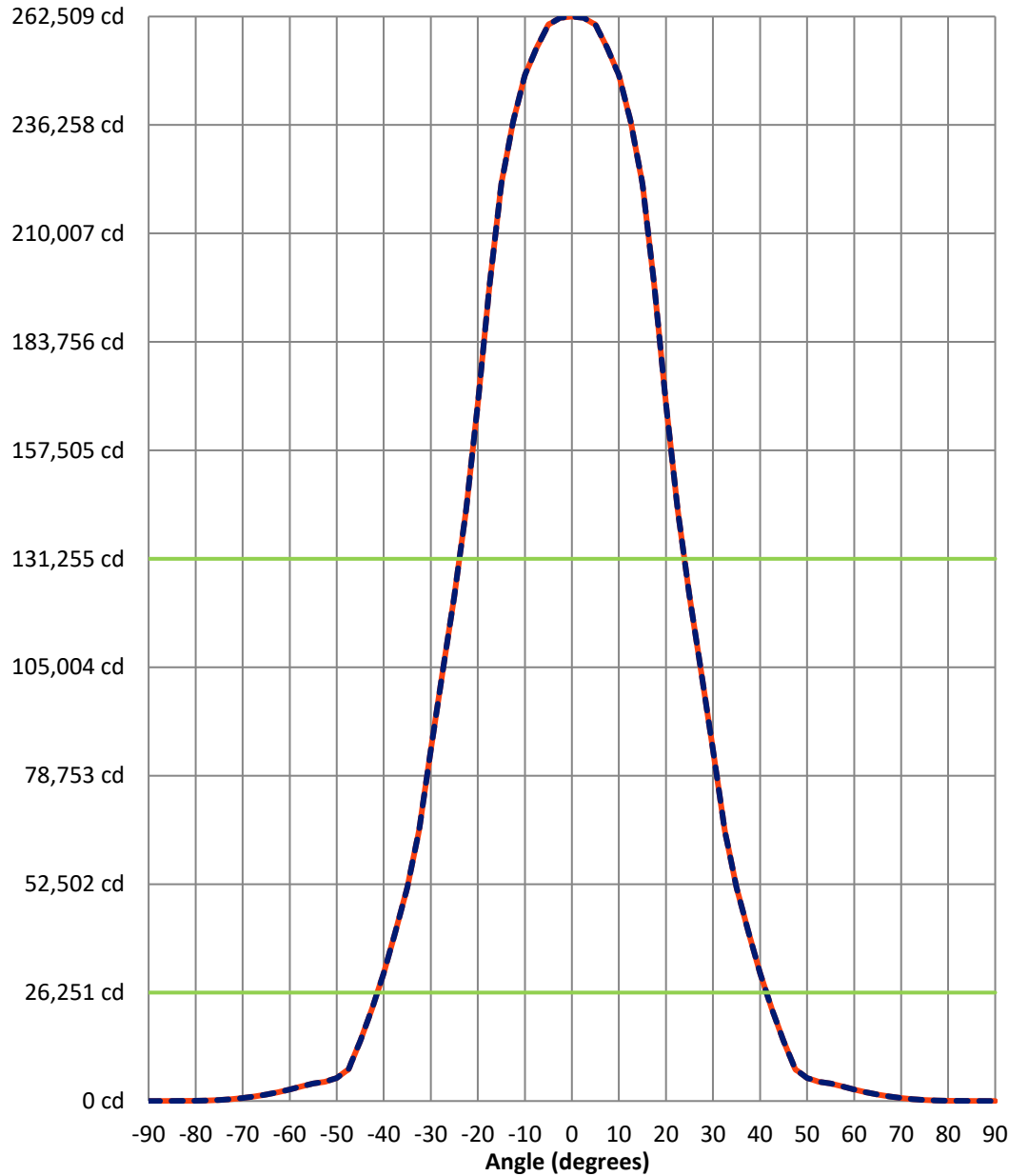
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 47.8°  
V Angle: 47.8°  
Lumens: 106771.8  
Efficiency: 55.7%

**Field:**  
H Angle: 82.7°  
V Angle: 82.7°  
Lumens: 176240.1  
Efficiency: 92.0%

**Spill:**  
Lumens: 15318.2  
Efficiency: 8.0%

— 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	0.3	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	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.4	9.3	11.2
80°	0.0	1.2	2.4	3.6	4.8	6.0	7.5	10.2	12.8	15.4	17.9
77.5°	0.0	1.5	3.0	4.5	6.0	8.2	11.6	14.9	18.2	21.4	25.0
75°	0.0	1.8	3.6	5.4	7.5	11.6	15.6	19.6	23.6	28.5	33.2
72.5°	0.0	2.1	4.2	6.3	10.2	14.9	19.6	24.5	30.2	35.9	41.4
70°	0.0	2.4	4.8	7.4	12.8	18.2	23.6	30.2	36.7	43.2	50.8
67.5°	0.0	2.7	5.4	9.3	15.4	21.4	28.5	35.9	43.2	51.8	60.3
65°	0.0	3.0	5.9	11.2	17.9	25.0	33.2	41.4	50.8	60.3	74.3
62.5°	0.0	3.2	6.5	13.1	20.4	28.9	37.9	47.6	58.2	71.5	98.6
60°	0.0	3.5	7.0	14.9	22.9	32.7	42.5	54.0	65.5	93.0	122.4
57.5°	0.0	3.8	8.2	16.7	25.8	36.4	47.7	60.3	81.8	114.0	160.5
55°	0.0	4.0	9.3	18.5	28.7	40.1	53.0	66.3	100.1	138.8	204.6
52.5°	0.0	4.3	10.5	20.2	31.5	43.7	58.0	80.8	117.8	177.4	247.5
50°	0.0	4.5	11.6	21.8	34.3	47.8	62.9	95.9	139.8	214.9	311.5
47.5°	0.0	4.7	12.6	23.5	36.9	51.7	68.8	110.4	172.0	251.2	376.0
45°	0.0	4.9	13.6	25.4	39.4	55.5	80.7	124.4	203.0	306.6	438.2
42.5°	0.0	5.2	14.6	27.2	41.8	59.1	92.2	145.1	232.8	360.3	523.0
40°	0.0	5.4	15.5	28.9	44.4	62.6	103.2	169.9	266.7	411.6	608.2
37.5°	0.0	5.6	16.4	30.6	47.0	65.9	113.6	193.5	310.0	467.2	689.4
35°	0.0	5.7	17.2	32.1	49.5	72.4	123.5	215.9	351.1	536.2	774.9
32.5°	0.0	5.9	18.0	33.6	51.8	80.1	135.3	236.9	389.7	601.2	868.1
30°	0.0	6.1	18.7	34.9	54.0	87.2	152.1	259.4	425.9	662.1	955.6
27.5°	0.0	6.2	19.4	36.2	56.1	93.9	167.7	288.6	465.6	718.8	1037.0
25°	0.0	6.3	20.0	37.4	57.9	100.1	182.0	315.6	511.7	780.7	1112.9
22.5°	0.0	6.5	20.6	38.4	59.6	105.7	195.1	340.1	553.8	841.9	1198.5
20°	0.0	6.6	21.1	39.4	61.2	110.7	206.9	362.3	591.7	897.1	1275.8
17.5°	0.0	6.7	21.5	40.2	62.5	115.2	217.4	381.9	625.4	946.2	1344.6
15°	0.0	6.8	21.9	40.9	63.7	119.1	226.5	399.1	654.8	989.0	1404.6
12.5°	0.0	6.8	22.2	41.6	64.7	122.4	234.3	413.6	679.7	1025.5	1455.8
10°	0.0	6.9	22.5	42.1	65.5	125.1	240.6	425.6	700.3	1055.4	1497.8
7.5°	0.0	6.9	22.7	42.5	66.2	127.3	245.6	435.0	716.3	1078.8	1530.6
5°	0.0	7.0	22.9	42.8	66.6	128.8	249.1	441.6	727.8	1095.6	1554.1
2.5°	0.0	7.0	23.0	42.9	66.9	129.7	251.3	445.7	734.7	1105.6	1568.3
0°	0.0	7.0	23.0	43.0	67.0	130.0	252.0	447.0	737.0	1109.0	1573.0
-2.5°	0.0	7.0	23.0	42.9	66.9	129.7	251.3	445.7	734.7	1105.6	1568.3
-5°	0.0	7.0	22.9	42.8	66.6	128.8	249.1	441.6	727.8	1095.6	1554.1
-7.5°	0.0	6.9	22.7	42.5	66.2	127.3	245.6	435.0	716.3	1078.8	1530.6
-10°	0.0	6.9	22.5	42.1	65.5	125.1	240.6	425.6	700.3	1055.4	1497.8
-12.5°	0.0	6.8	22.2	41.6	64.7	122.4	234.3	413.6	679.7	1025.5	1455.8
-15°	0.0	6.8	21.9	40.9	63.7	119.1	226.5	399.1	654.8	989.0	1404.6
-17.5°	0.0	6.7	21.5	40.2	62.5	115.2	217.4	381.9	625.4	946.2	1344.6
-20°	0.0	6.6	21.1	39.4	61.2	110.7	206.9	362.3	591.7	897.1	1275.8



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 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.5	20.6	38.4	59.6	105.7	195.1	340.1	553.8	841.9	1198.5
-25°	0.0	6.3	20.0	37.4	57.9	100.1	182.0	315.6	511.7	780.7	1112.9
-27.5°	0.0	6.2	19.4	36.2	56.1	93.9	167.7	288.6	465.6	718.8	1037.0
-30°	0.0	6.1	18.7	34.9	54.0	87.2	152.1	259.4	425.9	662.1	955.6
-32.5°	0.0	5.9	18.0	33.6	51.8	80.1	135.3	236.9	389.7	601.2	868.1
-35°	0.0	5.7	17.2	32.1	49.5	72.4	123.5	215.9	351.1	536.2	774.9
-37.5°	0.0	5.6	16.4	30.6	47.0	65.9	113.6	193.5	310.0	467.2	689.4
-40°	0.0	5.4	15.5	28.9	44.4	62.6	103.2	169.9	266.7	411.6	608.2
-42.5°	0.0	5.2	14.6	27.2	41.8	59.1	92.2	145.1	232.8	360.3	523.0
-45°	0.0	4.9	13.6	25.4	39.4	55.5	80.7	124.4	203.0	306.6	438.2
-47.5°	0.0	4.7	12.6	23.5	36.9	51.7	68.8	110.4	172.0	251.2	376.0
-50°	0.0	4.5	11.6	21.8	34.3	47.8	62.9	95.9	139.8	214.9	311.5
-52.5°	0.0	4.3	10.5	20.2	31.5	43.7	58.0	80.8	117.8	177.4	247.5
-55°	0.0	4.0	9.3	18.5	28.7	40.1	53.0	66.3	100.1	138.8	204.6
-57.5°	0.0	3.8	8.2	16.7	25.8	36.4	47.7	60.3	81.8	114.0	160.5
-60°	0.0	3.5	7.0	14.9	22.9	32.7	42.5	54.0	65.5	93.0	122.4
-62.5°	0.0	3.2	6.5	13.1	20.4	28.9	37.9	47.6	58.2	71.5	98.6
-65°	0.0	3.0	5.9	11.2	17.9	25.0	33.2	41.4	50.8	60.3	74.3
-67.5°	0.0	2.7	5.4	9.3	15.4	21.4	28.5	35.9	43.2	51.8	60.3
-70°	0.0	2.4	4.8	7.4	12.8	18.2	23.6	30.2	36.7	43.2	50.8
-72.5°	0.0	2.1	4.2	6.3	10.2	14.9	19.6	24.5	30.2	35.9	41.4
-75°	0.0	1.8	3.6	5.4	7.5	11.6	15.6	19.6	23.6	28.5	33.2
-77.5°	0.0	1.5	3.0	4.5	6.0	8.2	11.6	14.9	18.2	21.4	25.0
-80°	0.0	1.2	2.4	3.6	4.8	6.0	7.5	10.2	12.8	15.4	17.9
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.4	9.3	11.2
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
-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





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 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-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°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6
85°	6.5	7.0	8.2	9.3	10.5	11.6	12.6	13.6	14.6	15.5	16.4
82.5°	13.1	14.9	16.7	18.5	20.2	21.8	23.5	25.4	27.2	28.9	30.6
80°	20.4	22.9	25.8	28.7	31.5	34.3	36.9	39.4	41.8	44.4	47.0
77.5°	28.9	32.7	36.4	40.1	43.7	47.8	51.7	55.5	59.1	62.6	65.9
75°	37.9	42.5	47.7	53.0	58.0	62.9	68.8	80.7	92.2	103.2	113.6
72.5°	47.6	54.0	60.3	66.3	80.8	95.9	110.4	124.4	145.1	169.9	193.5
70°	58.2	65.5	81.8	100.1	117.8	139.8	172.0	203.0	232.8	266.7	310.0
67.5°	71.5	93.0	114.0	138.8	177.4	214.9	251.2	306.6	360.3	411.6	467.2
65°	98.6	122.4	160.5	204.6	247.5	311.5	376.0	438.2	523.0	608.2	689.4
62.5°	125.2	171.4	221.0	279.9	355.4	428.7	525.5	627.6	725.8	843.4	958.6
60°	171.4	226.5	297.5	381.9	472.6	591.7	707.1	841.9	979.8	1112.9	1270.6
57.5°	221.0	297.5	390.8	499.2	631.7	767.4	928.1	1083.6	1264.4	1444.0	1624.3
55°	279.9	381.9	499.2	645.1	802.0	980.2	1164.5	1373.9	1576.7	1809.4	2032.1
52.5°	355.4	472.6	631.7	802.0	997.7	1208.4	1440.3	1683.3	1943.4	2207.2	2495.9
50°	428.7	591.7	767.4	980.2	1208.4	1462.5	1736.9	2024.6	2338.4	2661.3	2993.6
47.5°	525.5	707.1	928.1	1164.5	1440.3	1736.9	2051.7	2404.5	2761.4	3145.5	3519.1
45°	627.6	841.9	1083.6	1373.9	1683.3	2024.6	2404.5	2795.0	3222.1	3630.1	4004.6
42.5°	725.8	979.8	1264.4	1576.7	1943.4	2338.4	2761.4	3222.1	3666.7	4079.0	4383.7
40°	843.4	1112.9	1444.0	1809.4	2207.2	2661.3	3145.5	3630.1	4079.0	4406.0	4652.9
37.5°	958.6	1270.6	1624.3	2032.1	2495.9	2993.6	3519.1	4004.6	4383.7	4652.9	5220.0
35°	1068.1	1420.5	1819.9	2267.9	2771.5	3327.3	3857.0	4317.5	4607.6	5168.4	6035.9
32.5°	1186.8	1562.2	2005.1	2509.7	3063.0	3638.7	4177.3	4518.0	5014.5	5794.2	7274.9
30°	1307.8	1719.3	2189.5	2737.4	3340.7	3920.4	4385.6	4761.2	5468.2	6905.2	10154.2
27.5°	1420.5	1867.8	2384.9	2969.8	3597.4	4184.6	4552.1	5160.4	6297.5	8529.4	13783.1
25°	1524.6	2005.1	2565.8	3191.9	3824.3	4356.2	4759.1	5532.8	7215.8	11715.3	17570.1
22.5°	1628.9	2131.3	2731.5	3395.7	4032.7	4488.4	5077.9	6253.3	8885.4	14691.3	21192.8
20°	1731.8	2267.9	2892.5	3578.4	4221.8	4608.6	5368.1	6973.1	11398.3	17782.1	24767.2
17.5°	1823.4	2389.6	3043.1	3733.4	4333.2	4779.0	5683.1	7619.6	13659.9	20570.5	28116.0
15°	1903.4	2495.9	3174.9	3869.1	4419.9	4989.5	6207.8	9283.2	15813.4	23115.4	31099.1
12.5°	1971.5	2586.6	3287.3	3985.0	4494.0	5169.6	6657.3	10863.1	17770.5	25477.6	34077.6
10°	2027.6	2661.3	3379.9	4080.5	4555.1	5318.3	7029.1	12171.3	19393.6	27440.2	36557.9
7.5°	2071.4	2719.6	3452.4	4155.3	4603.0	5434.9	7320.7	13198.7	20670.0	28986.2	38515.3
5°	2102.8	2761.4	3504.3	4208.9	4637.4	5518.7	7530.4	13938.1	21589.6	30101.3	39929.2
2.5°	2121.7	2786.6	3535.6	4241.2	4658.1	5569.1	7656.8	14384.0	22144.5	30774.8	40784.0
0°	2128.0	2795.0	3546.0	4252.0	4665.0	5586.0	7699.0	14533.0	22330.0	31000.0	41070.0
-2.5°	2121.7	2786.6	3535.6	4241.2	4658.1	5569.1	7656.8	14384.0	22144.5	30774.8	40784.0
-5°	2102.8	2761.4	3504.3	4208.9	4637.4	5518.7	7530.4	13938.1	21589.6	30101.3	39929.2
-7.5°	2071.4	2719.6	3452.4	4155.3	4603.0	5434.9	7320.7	13198.7	20670.0	28986.2	38515.3
-10°	2027.6	2661.3	3379.9	4080.5	4555.1	5318.3	7029.1	12171.3	19393.6	27440.2	36557.9
-12.5°	1971.5	2586.6	3287.3	3985.0	4494.0	5169.6	6657.3	10863.1	17770.5	25477.6	34077.6
-15°	1903.4	2495.9	3174.9	3869.1	4419.9	4989.5	6207.8	9283.2	15813.4	23115.4	31099.1
-17.5°	1823.4	2389.6	3043.1	3733.4	4333.2	4779.0	5683.1	7619.6	13659.9	20570.5	28116.0
-20°	1731.8	2267.9	2892.5	3578.4	4221.8	4608.6	5368.1	6973.1	11398.3	17782.1	24767.2



REPORT NUMBER: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1628.9	2131.3	2731.5	3395.7	4032.7	4488.4	5077.9	6253.3	8885.4	14691.3	21192.8
-25°	1524.6	2005.1	2565.8	3191.9	3824.3	4356.2	4759.1	5532.8	7215.8	11715.3	17570.1
-27.5°	1420.5	1867.8	2384.9	2969.8	3597.4	4184.6	4552.1	5160.4	6297.5	8529.4	13783.1
-30°	1307.8	1719.3	2189.5	2737.4	3340.7	3920.4	4385.6	4761.2	5468.2	6905.2	10154.2
-32.5°	1186.8	1562.2	2005.1	2509.7	3063.0	3638.7	4177.3	4518.0	5014.5	5794.2	7274.9
-35°	1068.1	1420.5	1819.9	2267.9	2771.5	3327.3	3857.0	4317.5	4607.6	5168.4	6035.9
-37.5°	958.6	1270.6	1624.3	2032.1	2495.9	2993.6	3519.1	4004.6	4383.7	4652.9	5220.0
-40°	843.4	1112.9	1444.0	1809.4	2207.2	2661.3	3145.5	3630.1	4079.0	4406.0	4652.9
-42.5°	725.8	979.8	1264.4	1576.7	1943.4	2338.4	2761.4	3222.1	3666.7	4079.0	4383.7
-45°	627.6	841.9	1083.6	1373.9	1683.3	2024.6	2404.5	2795.0	3222.1	3630.1	4004.6
-47.5°	525.5	707.1	928.1	1164.5	1440.3	1736.9	2051.7	2404.5	2761.4	3145.5	3519.1
-50°	428.7	591.7	767.4	980.2	1208.4	1462.5	1736.9	2024.6	2338.4	2661.3	2993.6
-52.5°	355.4	472.6	631.7	802.0	997.7	1208.4	1440.3	1683.3	1943.4	2207.2	2495.9
-55°	279.9	381.9	499.2	645.1	802.0	980.2	1164.5	1373.9	1576.7	1809.4	2032.1
-57.5°	221.0	297.5	390.8	499.2	631.7	767.4	928.1	1083.6	1264.4	1444.0	1624.3
-60°	171.4	226.5	297.5	381.9	472.6	591.7	707.1	841.9	979.8	1112.9	1270.6
-62.5°	125.2	171.4	221.0	279.9	355.4	428.7	525.5	627.6	725.8	843.4	958.6
-65°	98.6	122.4	160.5	204.6	247.5	311.5	376.0	438.2	523.0	608.2	689.4
-67.5°	71.5	93.0	114.0	138.8	177.4	214.9	251.2	306.6	360.3	411.6	467.2
-70°	58.2	65.5	81.8	100.1	117.8	139.8	172.0	203.0	232.8	266.7	310.0
-72.5°	47.6	54.0	60.3	66.3	80.8	95.9	110.4	124.4	145.1	169.9	193.5
-75°	37.9	42.5	47.7	53.0	58.0	62.9	68.8	80.7	92.2	103.2	113.6
-77.5°	28.9	32.7	36.4	40.1	43.7	47.8	51.7	55.5	59.1	62.6	65.9
-80°	20.4	22.9	25.8	28.7	31.5	34.3	36.9	39.4	41.8	44.4	47.0
-82.5°	13.1	14.9	16.7	18.5	20.2	21.8	23.5	25.4	27.2	28.9	30.6
-85°	6.5	7.0	8.2	9.3	10.5	11.6	12.6	13.6	14.6	15.5	16.4
-87.5°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	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: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-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°	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
85°	17.2	18.0	18.7	19.4	20.0	20.6	21.1	21.5	21.9	22.2	22.5
82.5°	32.1	33.6	34.9	36.2	37.4	38.4	39.4	40.2	40.9	41.6	42.1
80°	49.5	51.8	54.0	56.1	57.9	59.6	61.2	62.5	63.7	64.7	65.5
77.5°	72.4	80.1	87.2	93.9	100.1	105.7	110.7	115.2	119.1	122.4	125.1
75°	123.5	135.3	152.1	167.7	182.0	195.1	206.9	217.4	226.5	234.3	240.6
72.5°	215.9	236.9	259.4	288.6	315.6	340.1	362.3	381.9	399.1	413.6	425.6
70°	351.1	389.7	425.9	465.6	511.7	553.8	591.7	625.4	654.8	679.7	700.3
67.5°	536.2	601.2	662.1	718.8	780.7	841.9	897.1	946.2	989.0	1025.5	1055.4
65°	774.9	868.1	955.6	1037.0	1112.9	1198.5	1275.8	1344.6	1404.6	1455.8	1497.8
62.5°	1068.1	1186.8	1307.8	1420.5	1524.6	1628.9	1731.8	1823.4	1903.4	1971.5	2027.6
60°	1420.5	1562.2	1719.3	1867.8	2005.1	2131.3	2267.9	2389.6	2495.9	2586.6	2661.3
57.5°	1819.9	2005.1	2189.5	2384.9	2565.8	2731.5	2892.5	3043.1	3174.9	3287.3	3379.9
55°	2267.9	2509.7	2737.4	2969.8	3191.9	3395.7	3578.4	3733.4	3869.1	3985.0	4080.5
52.5°	2771.5	3063.0	3340.7	3597.4	3824.3	4032.7	4221.8	4333.2	4419.9	4494.0	4555.1
50°	3327.3	3638.7	3920.4	4184.6	4356.2	4488.4	4608.6	4779.0	4989.5	5169.6	5318.3
47.5°	3857.0	4177.3	4385.6	4552.1	4759.1	5077.9	5368.1	5683.1	6207.8	6657.3	7029.1
45°	4317.5	4518.0	4761.2	5160.4	5532.8	6253.3	6973.1	7619.6	9283.2	10863.1	12171.3
42.5°	4607.6	5014.5	5468.2	6297.5	7215.8	8885.4	11398.3	13659.9	15813.4	17770.5	19393.6
40°	5168.4	5794.2	6905.2	8529.4	11715.3	14691.3	17782.1	20570.5	23115.4	25477.6	27440.2
37.5°	6035.9	7274.9	10154.2	13783.1	17570.1	21192.8	24767.2	28116.0	31099.1	34077.6	36557.9
35°	7399.0	10975.7	15115.1	19528.8	23844.1	28165.6	32335.5	36535.2	40270.7	43642.3	46494.8
32.5°	10975.7	15598.2	20520.5	25540.8	30483.9	35779.9	40757.7	45528.1	49802.3	54061.5	58106.5
30°	15115.1	20520.5	26111.4	31766.1	37888.3	43791.8	49443.1	55485.9	61511.4	67278.0	73502.8
27.5°	19528.8	25540.8	31766.1	38598.3	45342.9	51890.4	59784.9	67662.5	76869.9	84946.1	91544.6
25°	23844.1	30483.9	37888.3	45342.9	52944.6	61976.1	72464.7	83502.0	93225.4	101762.8	108923.4
22.5°	28165.6	35779.9	43791.8	51890.4	61976.1	74088.3	86832.0	98359.6	108792.2	117978.9	126293.1
20°	32335.5	40757.7	49443.1	59784.9	72464.7	86832.0	100100.9	112389.3	123813.8	135177.1	145451.3
17.5°	36535.2	45528.1	55485.9	67662.5	83502.0	98359.6	112389.3	125985.8	139783.0	154488.5	168022.4
15°	40270.7	49802.3	61511.4	76869.9	93225.4	108792.2	123813.8	139783.0	157588.3	175336.6	192225.6
12.5°	43642.3	54061.5	67278.0	84946.1	101762.8	117978.9	135177.1	154488.5	175336.6	196327.6	212633.1
10°	46494.8	58106.5	73502.8	91544.6	108923.4	126293.1	145451.3	168022.4	192225.6	212633.1	228790.4
7.5°	48751.1	61314.8	78456.8	96817.3	114647.3	133456.1	155369.5	180395.9	205066.0	225443.0	237149.2
5°	50383.7	63641.6	82059.5	100665.0	118842.8	138736.9	162738.1	189755.6	214243.2	232593.4	243537.0
2.5°	51372.1	65052.3	84247.9	103008.1	121405.7	141976.6	167285.0	195578.5	220021.4	236067.4	247120.5
0°	51703.0	65525.0	84982.0	103795.0	122268.0	143069.0	168823.0	197557.0	221998.1	237056.1	248294.1
-2.5°	51372.1	65052.3	84247.9	103008.1	121405.7	141976.6	167285.0	195578.5	220021.4	236067.4	247120.5
-5°	50383.7	63641.6	82059.5	100665.0	118842.8	138736.9	162738.1	189755.6	214243.2	232593.4	243537.0
-7.5°	48751.1	61314.8	78456.8	96817.3	114647.3	133456.1	155369.5	180395.9	205066.0	225443.0	237149.2
-10°	46494.8	58106.5	73502.8	91544.6	108923.4	126293.1	145451.3	168022.4	192225.6	212633.1	228790.4
-12.5°	43642.3	54061.5	67278.0	84946.1	101762.8	117978.9	135177.1	154488.5	175336.6	196327.6	212633.1
-15°	40270.7	49802.3	61511.4	76869.9	93225.4	108792.2	123813.8	139783.0	157588.3	175336.6	192225.6
-17.5°	36535.2	45528.1	55485.9	67662.5	83502.0	98359.6	112389.3	125985.8	139783.0	154488.5	168022.4
-20°	32335.5	40757.7	49443.1	59784.9	72464.7	86832.0	100100.9	112389.3	123813.8	135177.1	145451.3



REPORT NUMBER: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	28165.6	35779.9	43791.8	51890.4	61976.1	74088.3	86832.0	98359.6	108792.2	117978.9	126293.1
-25°	23844.1	30483.9	37888.3	45342.9	52944.6	61976.1	72464.7	83502.0	93225.4	101762.8	108923.4
-27.5°	19528.8	25540.8	31766.1	38598.3	45342.9	51890.4	59784.9	67662.5	76869.9	84946.1	91544.6
-30°	15115.1	20520.5	26111.4	31766.1	37888.3	43791.8	49443.1	55485.9	61511.4	67278.0	73502.8
-32.5°	10975.7	15598.2	20520.5	25540.8	30483.9	35779.9	40757.7	45528.1	49802.3	54061.5	58106.5
-35°	7399.0	10975.7	15115.1	19528.8	23844.1	28165.6	32335.5	36535.2	40270.7	43642.3	46494.8
-37.5°	6035.9	7274.9	10154.2	13783.1	17570.1	21192.8	24767.2	28116.0	31099.1	34077.6	36557.9
-40°	5168.4	5794.2	6905.2	8529.4	11715.3	14691.3	17782.1	20570.5	23115.4	25477.6	27440.2
-42.5°	4607.6	5014.5	5468.2	6297.5	7215.8	8885.4	11398.3	13659.9	15813.4	17770.5	19393.6
-45°	4317.5	4518.0	4761.2	5160.4	5532.8	6253.3	6973.1	7619.6	9283.2	10863.1	12171.3
-47.5°	3857.0	4177.3	4385.6	4552.1	4759.1	5077.9	5368.1	5683.1	6207.8	6657.3	7029.1
-50°	3327.3	3638.7	3920.4	4184.6	4356.2	4488.4	4608.6	4779.0	4989.5	5169.6	5318.3
-52.5°	2771.5	3063.0	3340.7	3597.4	3824.3	4032.7	4221.8	4333.2	4419.9	4494.0	4555.1
-55°	2267.9	2509.7	2737.4	2969.8	3191.9	3395.7	3578.4	3733.4	3869.1	3985.0	4080.5
-57.5°	1819.9	2005.1	2189.5	2384.9	2565.8	2731.5	2892.5	3043.1	3174.9	3287.3	3379.9
-60°	1420.5	1562.2	1719.3	1867.8	2005.1	2131.3	2267.9	2389.6	2495.9	2586.6	2661.3
-62.5°	1068.1	1186.8	1307.8	1420.5	1524.6	1628.9	1731.8	1823.4	1903.4	1971.5	2027.6
-65°	774.9	868.1	955.6	1037.0	1112.9	1198.5	1275.8	1344.6	1404.6	1455.8	1497.8
-67.5°	536.2	601.2	662.1	718.8	780.7	841.9	897.1	946.2	989.0	1025.5	1055.4
-70°	351.1	389.7	425.9	465.6	511.7	553.8	591.7	625.4	654.8	679.7	700.3
-72.5°	215.9	236.9	259.4	288.6	315.6	340.1	362.3	381.9	399.1	413.6	425.6
-75°	123.5	135.3	152.1	167.7	182.0	195.1	206.9	217.4	226.5	234.3	240.6
-77.5°	72.4	80.1	87.2	93.9	100.1	105.7	110.7	115.2	119.1	122.4	125.1
-80°	49.5	51.8	54.0	56.1	57.9	59.6	61.2	62.5	63.7	64.7	65.5
-82.5°	32.1	33.6	34.9	36.2	37.4	38.4	39.4	40.2	40.9	41.6	42.1
-85°	17.2	18.0	18.7	19.4	20.0	20.6	21.1	21.5	21.9	22.2	22.5
-87.5°	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
-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: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-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°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7
85°	22.7	22.9	23.0	23.0	23.0	22.9	22.7	22.5	22.2	21.9	21.5
82.5°	42.5	42.8	42.9	43.0	42.9	42.8	42.5	42.1	41.6	40.9	40.2
80°	66.2	66.6	66.9	67.0	66.9	66.6	66.2	65.5	64.7	63.7	62.5
77.5°	127.3	128.8	129.7	130.0	129.7	128.8	127.3	125.1	122.4	119.1	115.2
75°	245.6	249.1	251.3	252.0	251.3	249.1	245.6	240.6	234.3	226.5	217.4
72.5°	435.0	441.6	445.7	447.0	445.7	441.6	435.0	425.6	413.6	399.1	381.9
70°	716.3	727.8	734.7	737.0	734.7	727.8	716.3	700.3	679.7	654.8	625.4
67.5°	1078.8	1095.6	1105.6	1109.0	1105.6	1095.6	1078.8	1055.4	1025.5	989.0	946.2
65°	1530.6	1554.1	1568.3	1573.0	1568.3	1554.1	1530.6	1497.8	1455.8	1404.6	1344.6
62.5°	2071.4	2102.8	2121.7	2128.0	2121.7	2102.8	2071.4	2027.6	1971.5	1903.4	1823.4
60°	2719.6	2761.4	2786.6	2795.0	2786.6	2761.4	2719.6	2661.3	2586.6	2495.9	2389.6
57.5°	3452.4	3504.3	3535.6	3546.0	3535.6	3504.3	3452.4	3379.9	3287.3	3174.9	3043.1
55°	4155.3	4208.9	4241.2	4252.0	4241.2	4208.9	4155.3	4080.5	3985.0	3869.1	3733.4
52.5°	4603.0	4637.4	4658.1	4665.0	4658.1	4637.4	4603.0	4555.1	4494.0	4419.9	4333.2
50°	5434.9	5518.7	5569.1	5586.0	5569.1	5518.7	5434.9	5318.3	5169.6	4989.5	4779.0
47.5°	7320.7	7530.4	7656.8	7699.0	7656.8	7530.4	7320.7	7029.1	6657.3	6207.8	5683.1
45°	13198.7	13938.1	14384.0	14533.0	14384.0	13938.1	13198.7	12171.3	10863.1	9283.2	7619.6
42.5°	20670.0	21589.6	22144.5	22330.0	22144.5	21589.6	20670.0	19393.6	17770.5	15813.4	13659.9
40°	28986.2	30101.3	30774.8	31000.0	30774.8	30101.3	28986.2	27440.2	25477.6	23115.4	20570.5
37.5°	38515.3	39929.2	40784.0	41070.0	40784.0	39929.2	38515.3	36557.9	34077.6	31099.1	28116.0
35°	48751.1	50383.7	51372.1	51703.0	51372.1	50383.7	48751.1	46494.8	43642.3	40270.7	36535.2
32.5°	61314.8	63641.6	65052.3	65525.0	65052.3	63641.6	61314.8	58106.5	54061.5	49802.3	45528.1
30°	78456.8	82059.5	84247.9	84982.0	84247.9	82059.5	78456.8	73502.8	67278.0	61511.4	55485.9
27.5°	96817.3	100665.0	103008.1	103795.0	103008.1	100665.0	96817.3	91544.6	84946.1	76869.9	67662.5
25°	114647.3	118842.8	121405.7	122268.0	121405.7	118842.8	114647.3	108923.4	101762.8	93225.4	83502.0
22.5°	133456.1	138736.9	141976.6	143069.0	141976.6	138736.9	133456.1	126293.1	117978.9	108792.2	98359.6
20°	155369.5	162738.1	167285.0	168823.0	167285.0	162738.1	155369.5	145451.3	135177.1	123813.8	112389.3
17.5°	180395.9	189755.6	195578.5	197557.0	195578.5	189755.6	180395.9	168022.4	154488.5	139783.0	125985.8
15°	205066.0	214243.2	220021.4	221998.1	220021.4	214243.2	205066.0	192225.6	175336.6	157588.3	139783.0
12.5°	225443.0	232593.4	236067.4	237056.1	236067.4	232593.4	225443.0	212633.1	196327.6	175336.6	154488.5
10°	237149.2	243537.0	247120.5	248294.1	247120.5	243537.0	237149.2	228790.4	212633.1	192225.6	168022.4
7.5°	246016.0	250806.1	253880.2	254937.6	253880.2	250806.1	246016.0	237149.2	225443.0	205066.0	180395.9
5°	250806.1	256073.6	259336.5	260538.1	259336.5	256073.6	250806.1	243537.0	232593.4	214243.2	189755.6
2.5°	253880.2	259336.5	261791.3	262196.1	261791.3	259336.5	253880.2	247120.5	236067.4	220021.4	195578.5
0°	254937.6	260538.1	262196.1	262509.1	262196.1	260538.1	254937.6	248294.1	237056.1	221998.1	197557.0
-2.5°	253880.2	259336.5	261791.3	262196.1	261791.3	259336.5	253880.2	247120.5	236067.4	220021.4	195578.5
-5°	250806.1	256073.6	259336.5	260538.1	259336.5	256073.6	250806.1	243537.0	232593.4	214243.2	189755.6
-7.5°	246016.0	250806.1	253880.2	254937.6	253880.2	250806.1	246016.0	237149.2	225443.0	205066.0	180395.9
-10°	237149.2	243537.0	247120.5	248294.1	247120.5	243537.0	237149.2	228790.4	212633.1	192225.6	168022.4
-12.5°	225443.0	232593.4	236067.4	237056.1	236067.4	232593.4	225443.0	212633.1	196327.6	175336.6	154488.5
-15°	205066.0	214243.2	220021.4	221998.1	220021.4	214243.2	205066.0	192225.6	175336.6	157588.3	139783.0
-17.5°	180395.9	189755.6	195578.5	197557.0	195578.5	189755.6	180395.9	168022.4	154488.5	139783.0	125985.8
-20°	155369.5	162738.1	167285.0	168823.0	167285.0	162738.1	155369.5	145451.3	135177.1	123813.8	112389.3



REPORT NUMBER: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	133456.1	138736.9	141976.6	143069.0	141976.6	138736.9	133456.1	126293.1	117978.9	108792.2	98359.6
-25°	114647.3	118842.8	121405.7	122268.0	121405.7	118842.8	114647.3	108923.4	101762.8	93225.4	83502.0
-27.5°	96817.3	100665.0	103008.1	103795.0	103008.1	100665.0	96817.3	91544.6	84946.1	76869.9	67662.5
-30°	78456.8	82059.5	84247.9	84982.0	84247.9	82059.5	78456.8	73502.8	67278.0	61511.4	55485.9
-32.5°	61314.8	63641.6	65052.3	65525.0	65052.3	63641.6	61314.8	58106.5	54061.5	49802.3	45528.1
-35°	48751.1	50383.7	51372.1	51703.0	51372.1	50383.7	48751.1	46494.8	43642.3	40270.7	36535.2
-37.5°	38515.3	39929.2	40784.0	41070.0	40784.0	39929.2	38515.3	36557.9	34077.6	31099.1	28116.0
-40°	28986.2	30101.3	30774.8	31000.0	30774.8	30101.3	28986.2	27440.2	25477.6	23115.4	20570.5
-42.5°	20670.0	21589.6	22144.5	22330.0	22144.5	21589.6	20670.0	19393.6	17770.5	15813.4	13659.9
-45°	13198.7	13938.1	14384.0	14533.0	14384.0	13938.1	13198.7	12171.3	10863.1	9283.2	7619.6
-47.5°	7320.7	7530.4	7656.8	7699.0	7656.8	7530.4	7320.7	7029.1	6657.3	6207.8	5683.1
-50°	5434.9	5518.7	5569.1	5586.0	5569.1	5518.7	5434.9	5318.3	5169.6	4989.5	4779.0
-52.5°	4603.0	4637.4	4658.1	4665.0	4658.1	4637.4	4603.0	4555.1	4494.0	4419.9	4333.2
-55°	4155.3	4208.9	4241.2	4252.0	4241.2	4208.9	4155.3	4080.5	3985.0	3869.1	3733.4
-57.5°	3452.4	3504.3	3535.6	3546.0	3535.6	3504.3	3452.4	3379.9	3287.3	3174.9	3043.1
-60°	2719.6	2761.4	2786.6	2795.0	2786.6	2761.4	2719.6	2661.3	2586.6	2495.9	2389.6
-62.5°	2071.4	2102.8	2121.7	2128.0	2121.7	2102.8	2071.4	2027.6	1971.5	1903.4	1823.4
-65°	1530.6	1554.1	1568.3	1573.0	1568.3	1554.1	1530.6	1497.8	1455.8	1404.6	1344.6
-67.5°	1078.8	1095.6	1105.6	1109.0	1105.6	1095.6	1078.8	1055.4	1025.5	989.0	946.2
-70°	716.3	727.8	734.7	737.0	734.7	727.8	716.3	700.3	679.7	654.8	625.4
-72.5°	435.0	441.6	445.7	447.0	445.7	441.6	435.0	425.6	413.6	399.1	381.9
-75°	245.6	249.1	251.3	252.0	251.3	249.1	245.6	240.6	234.3	226.5	217.4
-77.5°	127.3	128.8	129.7	130.0	129.7	128.8	127.3	125.1	122.4	119.1	115.2
-80°	66.2	66.6	66.9	67.0	66.9	66.6	66.2	65.5	64.7	63.7	62.5
-82.5°	42.5	42.8	42.9	43.0	42.9	42.8	42.5	42.1	41.6	40.9	40.2
-85°	22.7	22.9	23.0	23.0	23.0	22.9	22.7	22.5	22.2	21.9	21.5
-87.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7
-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: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-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°	6.6	6.5	6.3	6.2	6.1	5.9	5.7	5.6	5.4	5.2	4.9
85°	21.1	20.6	20.0	19.4	18.7	18.0	17.2	16.4	15.5	14.6	13.6
82.5°	39.4	38.4	37.4	36.2	34.9	33.6	32.1	30.6	28.9	27.2	25.4
80°	61.2	59.6	57.9	56.1	54.0	51.8	49.5	47.0	44.4	41.8	39.4
77.5°	110.7	105.7	100.1	93.9	87.2	80.1	72.4	65.9	62.6	59.1	55.5
75°	206.9	195.1	182.0	167.7	152.1	135.3	123.5	113.6	103.2	92.2	80.7
72.5°	362.3	340.1	315.6	288.6	259.4	236.9	215.9	193.5	169.9	145.1	124.4
70°	591.7	553.8	511.7	465.6	425.9	389.7	351.1	310.0	266.7	232.8	203.0
67.5°	897.1	841.9	780.7	718.8	662.1	601.2	536.2	467.2	411.6	360.3	306.6
65°	1275.8	1198.5	1112.9	1037.0	955.6	868.1	774.9	689.4	608.2	523.0	438.2
62.5°	1731.8	1628.9	1524.6	1420.5	1307.8	1186.8	1068.1	958.6	843.4	725.8	627.6
60°	2267.9	2131.3	2005.1	1867.8	1719.3	1562.2	1420.5	1270.6	1112.9	979.8	841.9
57.5°	2892.5	2731.5	2565.8	2384.9	2189.5	2005.1	1819.9	1624.3	1444.0	1264.4	1083.6
55°	3578.4	3395.7	3191.9	2969.8	2737.4	2509.7	2267.9	2032.1	1809.4	1576.7	1373.9
52.5°	4221.8	4032.7	3824.3	3597.4	3340.7	3063.0	2771.5	2495.9	2207.2	1943.4	1683.3
50°	4608.6	4488.4	4356.2	4184.6	3920.4	3638.7	3327.3	2993.6	2661.3	2338.4	2024.6
47.5°	5368.1	5077.9	4759.1	4552.1	4385.6	4177.3	3857.0	3519.1	3145.5	2761.4	2404.5
45°	6973.1	6253.3	5532.8	5160.4	4761.2	4518.0	4317.5	4004.6	3630.1	3222.1	2795.0
42.5°	11398.3	8885.4	7215.8	6297.5	5468.2	5014.5	4607.6	4383.7	4079.0	3666.7	3222.1
40°	17782.1	14691.3	11715.3	8529.4	6905.2	5794.2	5168.4	4652.9	4406.0	4079.0	3630.1
37.5°	24767.2	21192.8	17570.1	13783.1	10154.2	7274.9	6035.9	5220.0	4652.9	4383.7	4004.6
35°	32335.5	28165.6	23844.1	19528.8	15115.1	10975.7	7399.0	6035.9	5168.4	4607.6	4317.5
32.5°	40757.7	35779.9	30483.9	25540.8	20520.5	15598.2	10975.7	7274.9	5794.2	5014.5	4518.0
30°	49443.1	43791.8	37888.3	31766.1	26111.4	20520.5	15115.1	10154.2	6905.2	5468.2	4761.2
27.5°	59784.9	51890.4	45342.9	38598.3	31766.1	25540.8	19528.8	13783.1	8529.4	6297.5	5160.4
25°	72464.7	61976.1	52944.6	45342.9	37888.3	30483.9	23844.1	17570.1	11715.3	7215.8	5532.8
22.5°	86832.0	74088.3	61976.1	51890.4	43791.8	35779.9	28165.6	21192.8	14691.3	8885.4	6253.3
20°	100100.9	86832.0	72464.7	59784.9	49443.1	40757.7	32335.5	24767.2	17782.1	11398.3	6973.1
17.5°	112389.3	98359.6	83502.0	67662.5	55485.9	45528.1	36535.2	28116.0	20570.5	13659.9	7619.6
15°	123813.8	108792.2	93225.4	76869.9	61511.4	49802.3	40270.7	31099.1	23115.4	15813.4	9283.2
12.5°	135177.1	117978.9	101762.8	84946.1	67278.0	54061.5	43642.3	34077.6	25477.6	17770.5	10863.1
10°	145451.3	126293.1	108923.4	91544.6	73502.8	58106.5	46494.8	36557.9	27440.2	19393.6	12171.3
7.5°	155369.5	133456.1	114647.3	96817.3	78456.8	61314.8	48751.1	38515.3	28986.2	20670.0	13198.7
5°	162738.1	138736.9	118842.8	100665.0	82059.5	63641.6	50383.7	39929.2	30101.3	21589.6	13938.1
2.5°	167285.0	141976.6	121405.7	103008.1	84247.9	65052.3	51372.1	40784.0	30774.8	22144.5	14384.0
0°	168823.0	143069.0	122268.0	103795.0	84982.0	65525.0	51703.0	41070.0	31000.0	22330.0	14533.0
-2.5°	167285.0	141976.6	121405.7	103008.1	84247.9	65052.3	51372.1	40784.0	30774.8	22144.5	14384.0
-5°	162738.1	138736.9	118842.8	100665.0	82059.5	63641.6	50383.7	39929.2	30101.3	21589.6	13938.1
-7.5°	155369.5	133456.1	114647.3	96817.3	78456.8	61314.8	48751.1	38515.3	28986.2	20670.0	13198.7
-10°	145451.3	126293.1	108923.4	91544.6	73502.8	58106.5	46494.8	36557.9	27440.2	19393.6	12171.3
-12.5°	135177.1	117978.9	101762.8	84946.1	67278.0	54061.5	43642.3	34077.6	25477.6	17770.5	10863.1
-15°	123813.8	108792.2	93225.4	76869.9	61511.4	49802.3	40270.7	31099.1	23115.4	15813.4	9283.2
-17.5°	112389.3	98359.6	83502.0	67662.5	55485.9	45528.1	36535.2	28116.0	20570.5	13659.9	7619.6
-20°	100100.9	86832.0	72464.7	59784.9	49443.1	40757.7	32335.5	24767.2	17782.1	11398.3	6973.1



REPORT NUMBER: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	86832.0	74088.3	61976.1	51890.4	43791.8	35779.9	28165.6	21192.8	14691.3	8885.4	6253.3
-25°	72464.7	61976.1	52944.6	45342.9	37888.3	30483.9	23844.1	17570.1	11715.3	7215.8	5532.8
-27.5°	59784.9	51890.4	45342.9	38598.3	31766.1	25540.8	19528.8	13783.1	8529.4	6297.5	5160.4
-30°	49443.1	43791.8	37888.3	31766.1	26111.4	20520.5	15115.1	10154.2	6905.2	5468.2	4761.2
-32.5°	40757.7	35779.9	30483.9	25540.8	20520.5	15598.2	10975.7	7274.9	5794.2	5014.5	4518.0
-35°	32335.5	28165.6	23844.1	19528.8	15115.1	10975.7	7399.0	6035.9	5168.4	4607.6	4317.5
-37.5°	24767.2	21192.8	17570.1	13783.1	10154.2	7274.9	6035.9	5220.0	4652.9	4383.7	4004.6
-40°	17782.1	14691.3	11715.3	8529.4	6905.2	5794.2	5168.4	4652.9	4406.0	4079.0	3630.1
-42.5°	11398.3	8885.4	7215.8	6297.5	5468.2	5014.5	4607.6	4383.7	4079.0	3666.7	3222.1
-45°	6973.1	6253.3	5532.8	5160.4	4761.2	4518.0	4317.5	4004.6	3630.1	3222.1	2795.0
-47.5°	5368.1	5077.9	4759.1	4552.1	4385.6	4177.3	3857.0	3519.1	3145.5	2761.4	2404.5
-50°	4608.6	4488.4	4356.2	4184.6	3920.4	3638.7	3327.3	2993.6	2661.3	2338.4	2024.6
-52.5°	4221.8	4032.7	3824.3	3597.4	3340.7	3063.0	2771.5	2495.9	2207.2	1943.4	1683.3
-55°	3578.4	3395.7	3191.9	2969.8	2737.4	2509.7	2267.9	2032.1	1809.4	1576.7	1373.9
-57.5°	2892.5	2731.5	2565.8	2384.9	2189.5	2005.1	1819.9	1624.3	1444.0	1264.4	1083.6
-60°	2267.9	2131.3	2005.1	1867.8	1719.3	1562.2	1420.5	1270.6	1112.9	979.8	841.9
-62.5°	1731.8	1628.9	1524.6	1420.5	1307.8	1186.8	1068.1	958.6	843.4	725.8	627.6
-65°	1275.8	1198.5	1112.9	1037.0	955.6	868.1	774.9	689.4	608.2	523.0	438.2
-67.5°	897.1	841.9	780.7	718.8	662.1	601.2	536.2	467.2	411.6	360.3	306.6
-70°	591.7	553.8	511.7	465.6	425.9	389.7	351.1	310.0	266.7	232.8	203.0
-72.5°	362.3	340.1	315.6	288.6	259.4	236.9	215.9	193.5	169.9	145.1	124.4
-75°	206.9	195.1	182.0	167.7	152.1	135.3	123.5	113.6	103.2	92.2	80.7
-77.5°	110.7	105.7	100.1	93.9	87.2	80.1	72.4	65.9	62.6	59.1	55.5
-80°	61.2	59.6	57.9	56.1	54.0	51.8	49.5	47.0	44.4	41.8	39.4
-82.5°	39.4	38.4	37.4	36.2	34.9	33.6	32.1	30.6	28.9	27.2	25.4
-85°	21.1	20.6	20.0	19.4	18.7	18.0	17.2	16.4	15.5	14.6	13.6
-87.5°	6.6	6.5	6.3	6.2	6.1	5.9	5.7	5.6	5.4	5.2	4.9
-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: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-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°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
85°	12.6	11.6	10.5	9.3	8.2	7.0	6.5	5.9	5.4	4.8	4.2
82.5°	23.5	21.8	20.2	18.5	16.7	14.9	13.1	11.2	9.3	7.4	6.3
80°	36.9	34.3	31.5	28.7	25.8	22.9	20.4	17.9	15.4	12.8	10.2
77.5°	51.7	47.8	43.7	40.1	36.4	32.7	28.9	25.0	21.4	18.2	14.9
75°	68.8	62.9	58.0	53.0	47.7	42.5	37.9	33.2	28.5	23.6	19.6
72.5°	110.4	95.9	80.8	66.3	60.3	54.0	47.6	41.4	35.9	30.2	24.5
70°	172.0	139.8	117.8	100.1	81.8	65.5	58.2	50.8	43.2	36.7	30.2
67.5°	251.2	214.9	177.4	138.8	114.0	93.0	71.5	60.3	51.8	43.2	35.9
65°	376.0	311.5	247.5	204.6	160.5	122.4	98.6	74.3	60.3	50.8	41.4
62.5°	525.5	428.7	355.4	279.9	221.0	171.4	125.2	98.6	71.5	58.2	47.6
60°	707.1	591.7	472.6	381.9	297.5	226.5	171.4	122.4	93.0	65.5	54.0
57.5°	928.1	767.4	631.7	499.2	390.8	297.5	221.0	160.5	114.0	81.8	60.3
55°	1164.5	980.2	802.0	645.1	499.2	381.9	279.9	204.6	138.8	100.1	66.3
52.5°	1440.3	1208.4	997.7	802.0	631.7	472.6	355.4	247.5	177.4	117.8	80.8
50°	1736.9	1462.5	1208.4	980.2	767.4	591.7	428.7	311.5	214.9	139.8	95.9
47.5°	2051.7	1736.9	1440.3	1164.5	928.1	707.1	525.5	376.0	251.2	172.0	110.4
45°	2404.5	2024.6	1683.3	1373.9	1083.6	841.9	627.6	438.2	306.6	203.0	124.4
42.5°	2761.4	2338.4	1943.4	1576.7	1264.4	979.8	725.8	523.0	360.3	232.8	145.1
40°	3145.5	2661.3	2207.2	1809.4	1444.0	1112.9	843.4	608.2	411.6	266.7	169.9
37.5°	3519.1	2993.6	2495.9	2032.1	1624.3	1270.6	958.6	689.4	467.2	310.0	193.5
35°	3857.0	3327.3	2771.5	2267.9	1819.9	1420.5	1068.1	774.9	536.2	351.1	215.9
32.5°	4177.3	3638.7	3063.0	2509.7	2005.1	1562.2	1186.8	868.1	601.2	389.7	236.9
30°	4385.6	3920.4	3340.7	2737.4	2189.5	1719.3	1307.8	955.6	662.1	425.9	259.4
27.5°	4552.1	4184.6	3597.4	2969.8	2384.9	1867.8	1420.5	1037.0	718.8	465.6	288.6
25°	4759.1	4356.2	3824.3	3191.9	2565.8	2005.1	1524.6	1112.9	780.7	511.7	315.6
22.5°	5077.9	4488.4	4032.7	3395.7	2731.5	2131.3	1628.9	1198.5	841.9	553.8	340.1
20°	5368.1	4608.6	4221.8	3578.4	2892.5	2267.9	1731.8	1275.8	897.1	591.7	362.3
17.5°	5683.1	4779.0	4333.2	3733.4	3043.1	2389.6	1823.4	1344.6	946.2	625.4	381.9
15°	6207.8	4989.5	4419.9	3869.1	3174.9	2495.9	1903.4	1404.6	989.0	654.8	399.1
12.5°	6657.3	5169.6	4494.0	3985.0	3287.3	2586.6	1971.5	1455.8	1025.5	679.7	413.6
10°	7029.1	5318.3	4555.1	4080.5	3379.9	2661.3	2027.6	1497.8	1055.4	700.3	425.6
7.5°	7320.7	5434.9	4603.0	4155.3	3452.4	2719.6	2071.4	1530.6	1078.8	716.3	435.0
5°	7530.4	5518.7	4637.4	4208.9	3504.3	2761.4	2102.8	1554.1	1095.6	727.8	441.6
2.5°	7656.8	5569.1	4658.1	4241.2	3535.6	2786.6	2121.7	1568.3	1105.6	734.7	445.7
0°	7699.0	5586.0	4665.0	4252.0	3546.0	2795.0	2128.0	1573.0	1109.0	737.0	447.0
-2.5°	7656.8	5569.1	4658.1	4241.2	3535.6	2786.6	2121.7	1568.3	1105.6	734.7	445.7
-5°	7530.4	5518.7	4637.4	4208.9	3504.3	2761.4	2102.8	1554.1	1095.6	727.8	441.6
-7.5°	7320.7	5434.9	4603.0	4155.3	3452.4	2719.6	2071.4	1530.6	1078.8	716.3	435.0
-10°	7029.1	5318.3	4555.1	4080.5	3379.9	2661.3	2027.6	1497.8	1055.4	700.3	425.6
-12.5°	6657.3	5169.6	4494.0	3985.0	3287.3	2586.6	1971.5	1455.8	1025.5	679.7	413.6
-15°	6207.8	4989.5	4419.9	3869.1	3174.9	2495.9	1903.4	1404.6	989.0	654.8	399.1
-17.5°	5683.1	4779.0	4333.2	3733.4	3043.1	2389.6	1823.4	1344.6	946.2	625.4	381.9
-20°	5368.1	4608.6	4221.8	3578.4	2892.5	2267.9	1731.8	1275.8	897.1	591.7	362.3



REPORT NUMBER: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5077.9	4488.4	4032.7	3395.7	2731.5	2131.3	1628.9	1198.5	841.9	553.8	340.1
-25°	4759.1	4356.2	3824.3	3191.9	2565.8	2005.1	1524.6	1112.9	780.7	511.7	315.6
-27.5°	4552.1	4184.6	3597.4	2969.8	2384.9	1867.8	1420.5	1037.0	718.8	465.6	288.6
-30°	4385.6	3920.4	3340.7	2737.4	2189.5	1719.3	1307.8	955.6	662.1	425.9	259.4
-32.5°	4177.3	3638.7	3063.0	2509.7	2005.1	1562.2	1186.8	868.1	601.2	389.7	236.9
-35°	3857.0	3327.3	2771.5	2267.9	1819.9	1420.5	1068.1	774.9	536.2	351.1	215.9
-37.5°	3519.1	2993.6	2495.9	2032.1	1624.3	1270.6	958.6	689.4	467.2	310.0	193.5
-40°	3145.5	2661.3	2207.2	1809.4	1444.0	1112.9	843.4	608.2	411.6	266.7	169.9
-42.5°	2761.4	2338.4	1943.4	1576.7	1264.4	979.8	725.8	523.0	360.3	232.8	145.1
-45°	2404.5	2024.6	1683.3	1373.9	1083.6	841.9	627.6	438.2	306.6	203.0	124.4
-47.5°	2051.7	1736.9	1440.3	1164.5	928.1	707.1	525.5	376.0	251.2	172.0	110.4
-50°	1736.9	1462.5	1208.4	980.2	767.4	591.7	428.7	311.5	214.9	139.8	95.9
-52.5°	1440.3	1208.4	997.7	802.0	631.7	472.6	355.4	247.5	177.4	117.8	80.8
-55°	1164.5	980.2	802.0	645.1	499.2	381.9	279.9	204.6	138.8	100.1	66.3
-57.5°	928.1	767.4	631.7	499.2	390.8	297.5	221.0	160.5	114.0	81.8	60.3
-60°	707.1	591.7	472.6	381.9	297.5	226.5	171.4	122.4	93.0	65.5	54.0
-62.5°	525.5	428.7	355.4	279.9	221.0	171.4	125.2	98.6	71.5	58.2	47.6
-65°	376.0	311.5	247.5	204.6	160.5	122.4	98.6	74.3	60.3	50.8	41.4
-67.5°	251.2	214.9	177.4	138.8	114.0	93.0	71.5	60.3	51.8	43.2	35.9
-70°	172.0	139.8	117.8	100.1	81.8	65.5	58.2	50.8	43.2	36.7	30.2
-72.5°	110.4	95.9	80.8	66.3	60.3	54.0	47.6	41.4	35.9	30.2	24.5
-75°	68.8	62.9	58.0	53.0	47.7	42.5	37.9	33.2	28.5	23.6	19.6
-77.5°	51.7	47.8	43.7	40.1	36.4	32.7	28.9	25.0	21.4	18.2	14.9
-80°	36.9	34.3	31.5	28.7	25.8	22.9	20.4	17.9	15.4	12.8	10.2
-82.5°	23.5	21.8	20.2	18.5	16.7	14.9	13.1	11.2	9.3	7.4	6.3
-85°	12.6	11.6	10.5	9.3	8.2	7.0	6.5	5.9	5.4	4.8	4.2
-87.5°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	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: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-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°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.5	6.0	4.8	3.6	2.4	1.2	0.0
77.5°	11.6	8.2	6.0	4.5	3.0	1.5	0.0
75°	15.6	11.6	7.5	5.4	3.6	1.8	0.0
72.5°	19.6	14.9	10.2	6.3	4.2	2.1	0.0
70°	23.6	18.2	12.8	7.4	4.8	2.4	0.0
67.5°	28.5	21.4	15.4	9.3	5.4	2.7	0.0
65°	33.2	25.0	17.9	11.2	5.9	3.0	0.0
62.5°	37.9	28.9	20.4	13.1	6.5	3.2	0.0
60°	42.5	32.7	22.9	14.9	7.0	3.5	0.0
57.5°	47.7	36.4	25.8	16.7	8.2	3.8	0.0
55°	53.0	40.1	28.7	18.5	9.3	4.0	0.0
52.5°	58.0	43.7	31.5	20.2	10.5	4.3	0.0
50°	62.9	47.8	34.3	21.8	11.6	4.5	0.0
47.5°	68.8	51.7	36.9	23.5	12.6	4.7	0.0
45°	80.7	55.5	39.4	25.4	13.6	4.9	0.0
42.5°	92.2	59.1	41.8	27.2	14.6	5.2	0.0
40°	103.2	62.6	44.4	28.9	15.5	5.4	0.0
37.5°	113.6	65.9	47.0	30.6	16.4	5.6	0.0
35°	123.5	72.4	49.5	32.1	17.2	5.7	0.0
32.5°	135.3	80.1	51.8	33.6	18.0	5.9	0.0
30°	152.1	87.2	54.0	34.9	18.7	6.1	0.0
27.5°	167.7	93.9	56.1	36.2	19.4	6.2	0.0
25°	182.0	100.1	57.9	37.4	20.0	6.3	0.0
22.5°	195.1	105.7	59.6	38.4	20.6	6.5	0.0
20°	206.9	110.7	61.2	39.4	21.1	6.6	0.0
17.5°	217.4	115.2	62.5	40.2	21.5	6.7	0.0
15°	226.5	119.1	63.7	40.9	21.9	6.8	0.0
12.5°	234.3	122.4	64.7	41.6	22.2	6.8	0.0
10°	240.6	125.1	65.5	42.1	22.5	6.9	0.0
7.5°	245.6	127.3	66.2	42.5	22.7	6.9	0.0
5°	249.1	128.8	66.6	42.8	22.9	7.0	0.0
2.5°	251.3	129.7	66.9	42.9	23.0	7.0	0.0
0°	252.0	130.0	67.0	43.0	23.0	7.0	0.0
-2.5°	251.3	129.7	66.9	42.9	23.0	7.0	0.0
-5°	249.1	128.8	66.6	42.8	22.9	7.0	0.0
-7.5°	245.6	127.3	66.2	42.5	22.7	6.9	0.0
-10°	240.6	125.1	65.5	42.1	22.5	6.9	0.0
-12.5°	234.3	122.4	64.7	41.6	22.2	6.8	0.0
-15°	226.5	119.1	63.7	40.9	21.9	6.8	0.0
-17.5°	217.4	115.2	62.5	40.2	21.5	6.7	0.0
-20°	206.9	110.7	61.2	39.4	21.1	6.6	0.0



REPORT NUMBER: P699919 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5S-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	195.1	105.7	59.6	38.4	20.6	6.5	0.0
-25°	182.0	100.1	57.9	37.4	20.0	6.3	0.0
-27.5°	167.7	93.9	56.1	36.2	19.4	6.2	0.0
-30°	152.1	87.2	54.0	34.9	18.7	6.1	0.0
-32.5°	135.3	80.1	51.8	33.6	18.0	5.9	0.0
-35°	123.5	72.4	49.5	32.1	17.2	5.7	0.0
-37.5°	113.6	65.9	47.0	30.6	16.4	5.6	0.0
-40°	103.2	62.6	44.4	28.9	15.5	5.4	0.0
-42.5°	92.2	59.1	41.8	27.2	14.6	5.2	0.0
-45°	80.7	55.5	39.4	25.4	13.6	4.9	0.0
-47.5°	68.8	51.7	36.9	23.5	12.6	4.7	0.0
-50°	62.9	47.8	34.3	21.8	11.6	4.5	0.0
-52.5°	58.0	43.7	31.5	20.2	10.5	4.3	0.0
-55°	53.0	40.1	28.7	18.5	9.3	4.0	0.0
-57.5°	47.7	36.4	25.8	16.7	8.2	3.8	0.0
-60°	42.5	32.7	22.9	14.9	7.0	3.5	0.0
-62.5°	37.9	28.9	20.4	13.1	6.5	3.2	0.0
-65°	33.2	25.0	17.9	11.2	5.9	3.0	0.0
-67.5°	28.5	21.4	15.4	9.3	5.4	2.7	0.0
-70°	23.6	18.2	12.8	7.4	4.8	2.4	0.0
-72.5°	19.6	14.9	10.2	6.3	4.2	2.1	0.0
-75°	15.6	11.6	7.5	5.4	3.6	1.8	0.0
-77.5°	11.6	8.2	6.0	4.5	3.0	1.5	0.0
-80°	7.5	6.0	4.8	3.6	2.4	1.2	0.0
-82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	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)