

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: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-57-80-5S-A**

Issue Date: 2/3/2026

**Test Information**

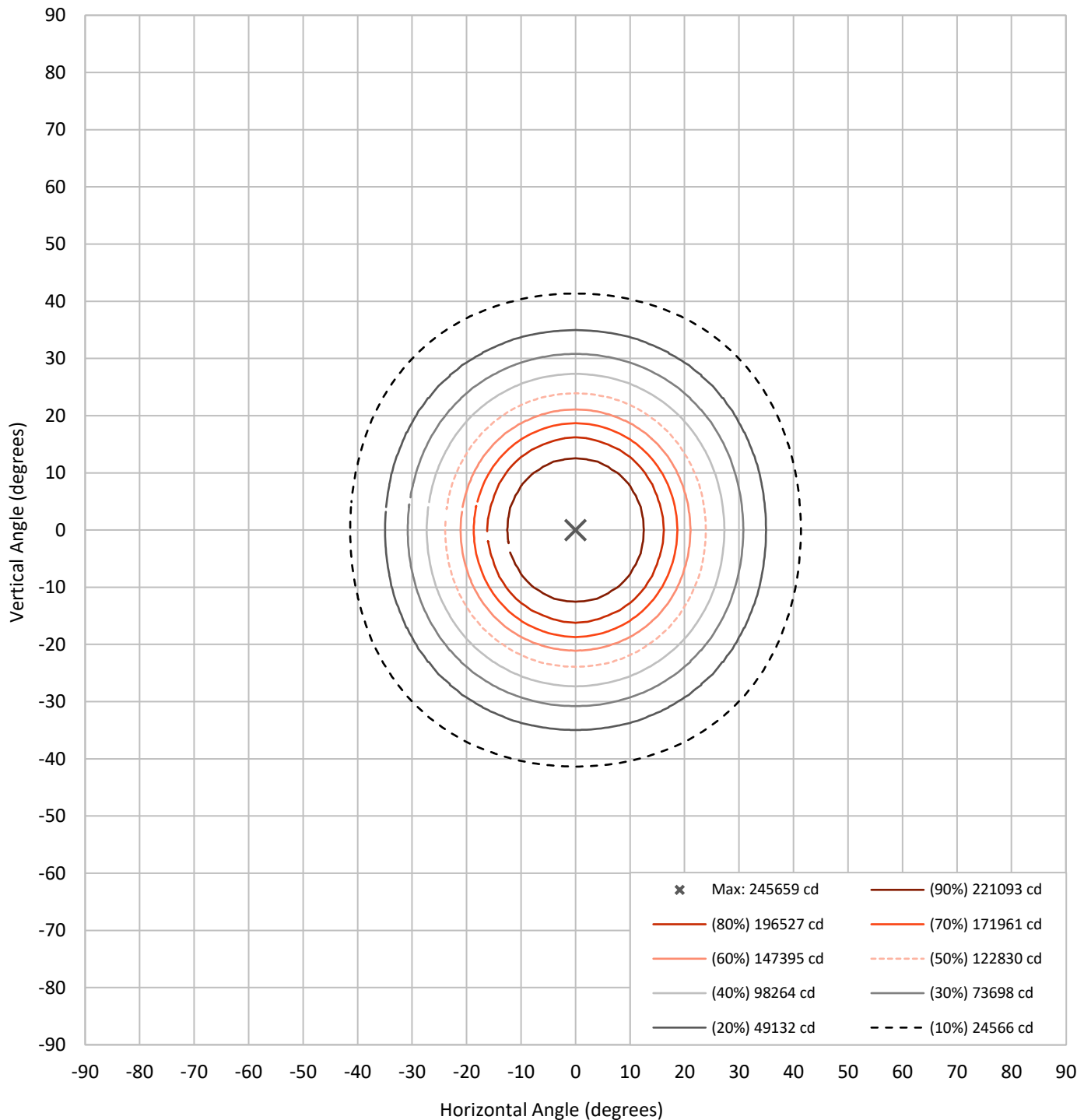
Test Method: LM-79-08  
Report Number: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200L-57-80-5S-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 80 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:	179262.5 lumens	Max Intensity:	245659 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	146.6 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:	99918.2 lumens	Field Lumens:	164927.5 lumens
Beam Efficiency:	55.7%	Field Efficiency:	92.0%
Input Watts (W):	1223		
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





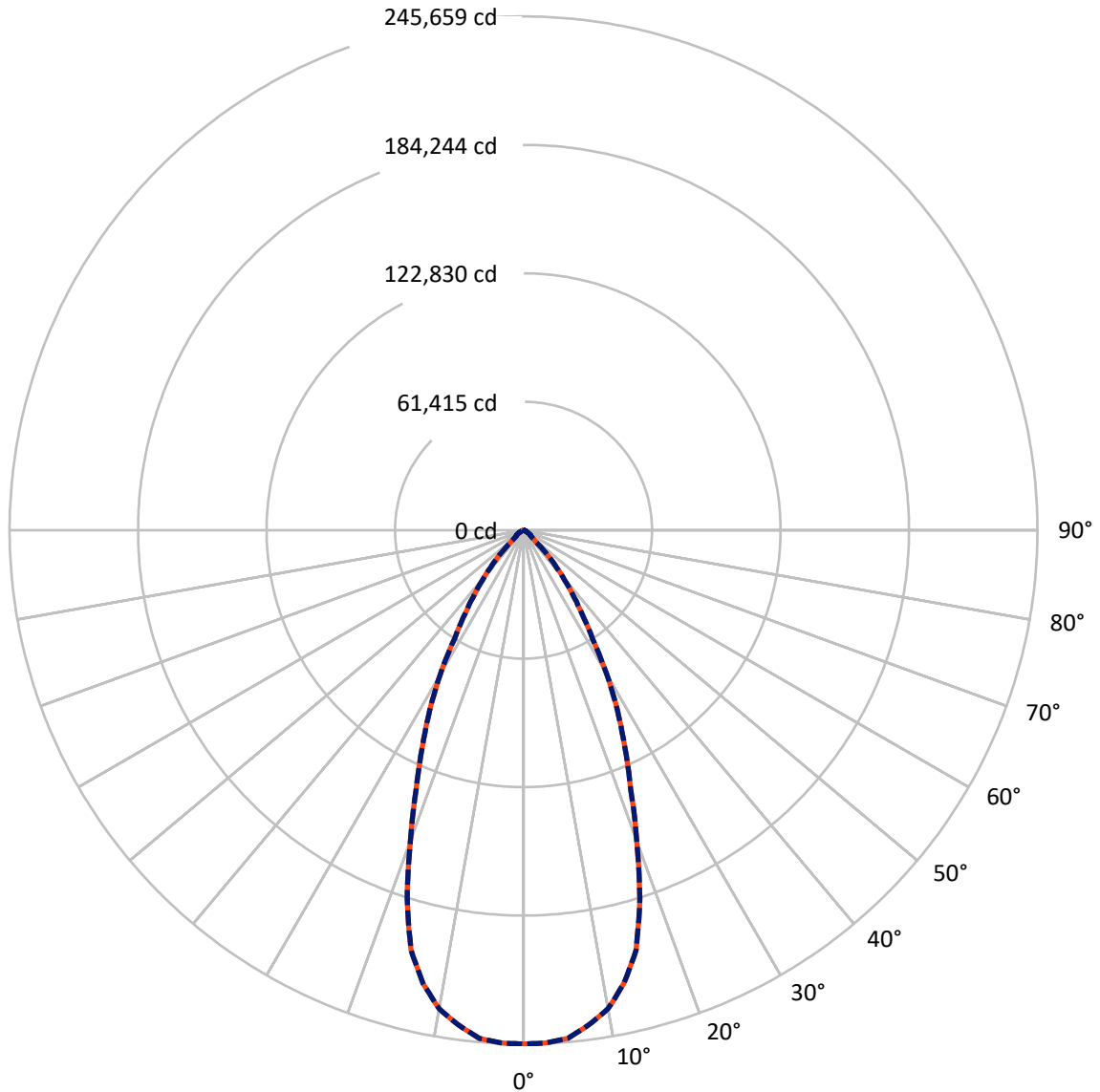
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### Lumen Table

90	0.2	1.6	6.3	14.5	18.7	14.5	6.3	1.6	0.2							
80	0.2	1.6	6.3	14.5	18.7	14.5	6.3	1.6	0.2							
70	0.8	1.0	3.7	9.7	19.1	30.2	40.2	45.9	45.9	40.2	30.2	19.1	9.7	3.7	1.0	0.8
60		2.8	11.1	28.5	54.0	82.1	104.2	116.5	116.5	104.2	82.1	54.0	28.5	11.1	2.8	
50	2.1	6.0	23.3	57.1	100.0	170.3	310.9	426.5	426.5	310.9	170.3	100.0	57.1	23.3	6.0	2.1
40		10.2	38.3	86.6	219.9	626.9	1121.1	1473.3	1473.3	1121.1	626.9	219.9	86.6	38.3	10.2	
30	4.2	14.6	52.6	134.2	569.8	1413.5	2540.5	3369.9	3369.9	2540.5	1413.5	569.8	134.2	52.6	14.6	4.2
20		18.2	62.7	232.2	958.0	2390.5	4335.2	5883.1	5883.1	4335.2	2390.5	958.0	232.2	62.7	18.2	
10	5.1	20.2	67.9	309.7	1222.3	3078.1	5711.8	7169.7	7169.7	5711.8	3078.1	1222.3	309.7	67.9	20.2	5.1
0		20.2	67.9	309.7	1222.3	3078.1	5711.8	7169.7	7169.7	5711.8	3078.1	1222.3	309.7	67.9	20.2	
-10	4.2	18.2	62.7	232.2	958.0	2390.5	4335.2	5883.1	5883.1	4335.2	2390.5	958.0	232.2	62.7	18.2	4.2
-20		14.6	52.6	134.2	569.8	1413.5	2540.5	3369.9	3369.9	2540.5	1413.5	569.8	134.2	52.6	14.6	
-30	2.1	10.2	38.3	86.6	219.9	626.9	1121.1	1473.3	1473.3	1121.1	626.9	219.9	86.6	38.3	10.2	2.1
-40		6.0	23.3	57.1	100.0	170.3	310.9	426.5	426.5	310.9	170.3	100.0	57.1	23.3	6.0	
-50	0.8	2.8	11.1	28.5	54.0	82.1	104.2	116.5	116.5	104.2	82.1	54.0	28.5	11.1	2.8	0.8
-60		1.0	3.7	9.7	19.1	30.2	40.2	45.9	45.9	40.2	30.2	19.1	9.7	3.7	1.0	
-70	0.2	1.6	6.3	14.5	18.7	14.5	6.3	1.6	0.2							
-80		0.2	1.6	6.3	14.5	18.7	14.5	6.3	1.6	0.2						
-90	0.2	1.6	6.3	14.5	18.7	14.5	6.3	1.6	0.2							

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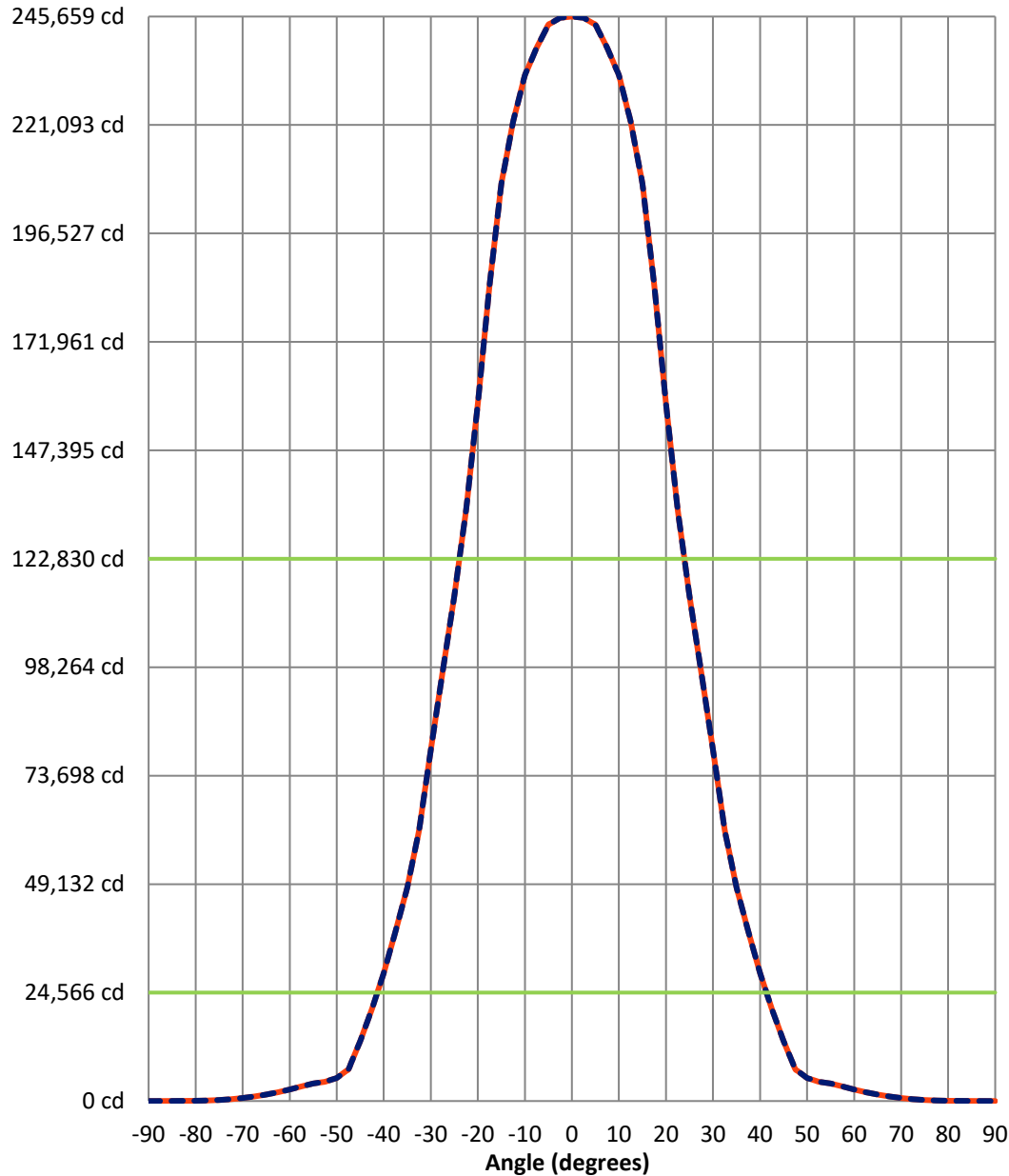
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 47.8°  
 V Angle: 47.8°  
 Lumens: 99918.2  
 Efficiency: 55.7%

**Field:**  
 H Angle: 82.7°  
 V Angle: 82.7°  
 Lumens: 164927.5  
 Efficiency: 92.0%

**Spill:**  
 Lumens: 14335  
 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	1.1	1.4	1.7	2.0	2.3	2.5	2.8
85°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.0	5.6
82.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.9	8.8	10.5
80°	0.0	1.1	2.3	3.4	4.6	5.7	7.1	9.5	12.0	14.4	16.8
77.5°	0.0	1.4	2.9	4.3	5.7	7.7	10.8	13.9	17.0	20.0	23.4
75°	0.0	1.7	3.4	5.1	7.1	10.8	14.6	18.3	22.1	26.6	31.1
72.5°	0.0	2.0	4.0	5.9	9.5	13.9	18.3	22.9	28.3	33.5	38.7
70°	0.0	2.3	4.5	6.9	12.0	17.0	22.1	28.3	34.3	40.4	47.5
67.5°	0.0	2.5	5.0	8.8	14.4	20.0	26.6	33.5	40.4	48.5	56.5
65°	0.0	2.8	5.6	10.5	16.8	23.4	31.1	38.7	47.5	56.5	69.5
62.5°	0.0	3.0	6.1	12.3	19.1	27.0	35.4	44.5	54.5	66.9	92.3
60°	0.0	3.3	6.6	14.0	21.4	30.6	39.7	50.5	61.3	87.0	114.6
57.5°	0.0	3.5	7.7	15.7	24.1	34.1	44.6	56.4	76.6	106.7	150.2
55°	0.0	3.8	8.8	17.3	26.9	37.4	49.5	62.1	93.7	129.9	191.5
52.5°	0.0	4.0	9.8	18.9	29.5	40.8	54.3	75.6	110.3	166.0	231.6
50°	0.0	4.2	10.8	20.4	32.0	44.7	58.9	89.7	130.8	201.1	291.5
47.5°	0.0	4.5	11.8	21.9	34.5	48.4	64.4	103.3	160.9	235.0	351.9
45°	0.0	4.7	12.8	23.7	36.9	51.9	75.6	116.4	190.0	286.9	410.1
42.5°	0.0	4.9	13.7	25.4	39.1	55.3	86.3	135.8	217.8	337.1	489.4
40°	0.0	5.1	14.5	27.0	41.5	58.6	96.6	159.0	249.6	385.2	569.1
37.5°	0.0	5.2	15.3	28.6	44.0	61.7	106.3	181.1	290.1	437.2	645.2
35°	0.0	5.4	16.1	30.0	46.3	67.7	115.6	202.0	328.5	501.8	725.1
32.5°	0.0	5.6	16.8	31.4	48.5	74.9	126.6	221.7	364.7	562.6	812.4
30°	0.0	5.7	17.5	32.6	50.5	81.7	142.4	242.7	398.5	619.6	894.2
27.5°	0.0	5.9	18.1	33.8	52.4	87.9	156.9	270.1	435.7	672.7	970.4
25°	0.0	6.0	18.7	34.9	54.2	93.7	170.4	295.3	478.8	730.6	1041.4
22.5°	0.0	6.1	19.2	35.9	55.8	98.9	182.6	318.3	518.2	787.8	1121.6
20°	0.0	6.2	19.7	36.8	57.2	103.6	193.6	339.0	553.7	839.5	1193.9
17.5°	0.0	6.3	20.1	37.6	58.5	107.8	203.4	357.4	585.2	885.4	1258.3
15°	0.0	6.4	20.5	38.3	59.6	111.5	212.0	373.4	612.7	925.5	1314.5
12.5°	0.0	6.4	20.8	38.9	60.5	114.6	219.2	387.1	636.1	959.6	1362.3
10°	0.0	6.5	21.0	39.3	61.3	117.1	225.2	398.3	655.3	987.7	1401.6
7.5°	0.0	6.5	21.2	39.7	61.9	119.1	229.8	407.0	670.3	1009.5	1432.3
5°	0.0	6.6	21.4	40.0	62.4	120.6	233.1	413.3	681.1	1025.2	1454.3
2.5°	0.0	6.6	21.5	40.1	62.6	121.4	235.1	417.0	687.5	1034.7	1467.6
0°	0.0	6.6	21.5	40.2	62.7	121.7	235.8	418.3	689.7	1037.8	1472.0
-2.5°	0.0	6.6	21.5	40.1	62.6	121.4	235.1	417.0	687.5	1034.7	1467.6
-5°	0.0	6.6	21.4	40.0	62.4	120.6	233.1	413.3	681.1	1025.2	1454.3
-7.5°	0.0	6.5	21.2	39.7	61.9	119.1	229.8	407.0	670.3	1009.5	1432.3
-10°	0.0	6.5	21.0	39.3	61.3	117.1	225.2	398.3	655.3	987.7	1401.6
-12.5°	0.0	6.4	20.8	38.9	60.5	114.6	219.2	387.1	636.1	959.6	1362.3
-15°	0.0	6.4	20.5	38.3	59.6	111.5	212.0	373.4	612.7	925.5	1314.5
-17.5°	0.0	6.3	20.1	37.6	58.5	107.8	203.4	357.4	585.2	885.4	1258.3
-20°	0.0	6.2	19.7	36.8	57.2	103.6	193.6	339.0	553.7	839.5	1193.9



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 CATALOG NUMBER: EPH-LS16-1200L-57-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.1	19.2	35.9	55.8	98.9	182.6	318.3	518.2	787.8	1121.6
-25°	0.0	6.0	18.7	34.9	54.2	93.7	170.4	295.3	478.8	730.6	1041.4
-27.5°	0.0	5.9	18.1	33.8	52.4	87.9	156.9	270.1	435.7	672.7	970.4
-30°	0.0	5.7	17.5	32.6	50.5	81.7	142.4	242.7	398.5	619.6	894.2
-32.5°	0.0	5.6	16.8	31.4	48.5	74.9	126.6	221.7	364.7	562.6	812.4
-35°	0.0	5.4	16.1	30.0	46.3	67.7	115.6	202.0	328.5	501.8	725.1
-37.5°	0.0	5.2	15.3	28.6	44.0	61.7	106.3	181.1	290.1	437.2	645.2
-40°	0.0	5.1	14.5	27.0	41.5	58.6	96.6	159.0	249.6	385.2	569.1
-42.5°	0.0	4.9	13.7	25.4	39.1	55.3	86.3	135.8	217.8	337.1	489.4
-45°	0.0	4.7	12.8	23.7	36.9	51.9	75.6	116.4	190.0	286.9	410.1
-47.5°	0.0	4.5	11.8	21.9	34.5	48.4	64.4	103.3	160.9	235.0	351.9
-50°	0.0	4.2	10.8	20.4	32.0	44.7	58.9	89.7	130.8	201.1	291.5
-52.5°	0.0	4.0	9.8	18.9	29.5	40.8	54.3	75.6	110.3	166.0	231.6
-55°	0.0	3.8	8.8	17.3	26.9	37.4	49.5	62.1	93.7	129.9	191.5
-57.5°	0.0	3.5	7.7	15.7	24.1	34.1	44.6	56.4	76.6	106.7	150.2
-60°	0.0	3.3	6.6	14.0	21.4	30.6	39.7	50.5	61.3	87.0	114.6
-62.5°	0.0	3.0	6.1	12.3	19.1	27.0	35.4	44.5	54.5	66.9	92.3
-65°	0.0	2.8	5.6	10.5	16.8	23.4	31.1	38.7	47.5	56.5	69.5
-67.5°	0.0	2.5	5.0	8.8	14.4	20.0	26.6	33.5	40.4	48.5	56.5
-70°	0.0	2.3	4.5	6.9	12.0	17.0	22.1	28.3	34.3	40.4	47.5
-72.5°	0.0	2.0	4.0	5.9	9.5	13.9	18.3	22.9	28.3	33.5	38.7
-75°	0.0	1.7	3.4	5.1	7.1	10.8	14.6	18.3	22.1	26.6	31.1
-77.5°	0.0	1.4	2.9	4.3	5.7	7.7	10.8	13.9	17.0	20.0	23.4
-80°	0.0	1.1	2.3	3.4	4.6	5.7	7.1	9.5	12.0	14.4	16.8
-82.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.9	8.8	10.5
-85°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.0	5.6
-87.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-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°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.2
85°	6.1	6.6	7.7	8.8	9.8	10.8	11.8	12.8	13.7	14.5	15.3
82.5°	12.3	14.0	15.7	17.3	18.9	20.4	21.9	23.7	25.4	27.0	28.6
80°	19.1	21.4	24.1	26.9	29.5	32.0	34.5	36.9	39.1	41.5	44.0
77.5°	27.0	30.6	34.1	37.4	40.8	44.7	48.4	51.9	55.3	58.6	61.7
75°	35.4	39.7	44.6	49.5	54.3	58.9	64.4	75.6	86.3	96.6	106.3
72.5°	44.5	50.5	56.4	62.1	75.6	89.7	103.3	116.4	135.8	159.0	181.1
70°	54.5	61.3	76.6	93.7	110.3	130.8	160.9	190.0	217.8	249.6	290.1
67.5°	66.9	87.0	106.7	129.9	166.0	201.1	235.0	286.9	337.1	385.2	437.2
65°	92.3	114.6	150.2	191.5	231.6	291.5	351.9	410.1	489.4	569.1	645.2
62.5°	117.2	160.4	206.8	261.9	332.6	401.2	491.8	587.3	679.2	789.3	897.1
60°	160.4	212.0	278.4	357.4	442.3	553.7	661.8	787.8	916.9	1041.4	1189.0
57.5°	206.8	278.4	365.7	467.1	591.1	718.2	868.5	1014.0	1183.2	1351.3	1520.0
55°	261.9	357.4	467.1	603.7	750.5	917.3	1089.8	1285.7	1475.5	1693.2	1901.7
52.5°	332.6	442.3	591.1	750.5	933.7	1130.8	1347.8	1575.2	1818.6	2065.5	2335.7
50°	401.2	553.7	718.2	917.3	1130.8	1368.6	1625.4	1894.6	2188.3	2490.4	2801.4
47.5°	491.8	661.8	868.5	1089.8	1347.8	1625.4	1920.0	2250.1	2584.2	2943.6	3293.2
45°	587.3	787.8	1014.0	1285.7	1575.2	1894.6	2250.1	2615.6	3015.3	3397.1	3747.6
42.5°	679.2	916.9	1183.2	1475.5	1818.6	2188.3	2584.2	3015.3	3431.4	3817.2	4102.4
40°	789.3	1041.4	1351.3	1693.2	2065.5	2490.4	2943.6	3397.1	3817.2	4123.2	4354.2
37.5°	897.1	1189.0	1520.0	1901.7	2335.7	2801.4	3293.2	3747.6	4102.4	4354.2	4884.9
35°	999.5	1329.3	1703.1	2122.3	2593.6	3113.8	3609.5	4040.4	4311.9	4836.6	5648.5
32.5°	1110.6	1461.9	1876.3	2348.6	2866.4	3405.1	3909.2	4228.0	4692.6	5422.3	6807.9
30°	1223.8	1608.9	2049.0	2561.7	3126.3	3668.8	4104.1	4455.7	5117.1	6461.9	9502.4
27.5°	1329.3	1747.9	2231.8	2779.2	3366.5	3916.0	4259.9	4829.1	5893.2	7981.9	12898.4
25°	1426.7	1876.3	2401.1	2987.0	3578.8	4076.7	4453.7	5177.7	6752.6	10963.3	16442.4
22.5°	1524.4	1994.5	2556.2	3177.8	3773.9	4200.4	4752.0	5851.8	8315.0	13748.3	19832.5
20°	1620.6	2122.3	2706.8	3348.7	3950.9	4312.8	5023.5	6525.5	10666.7	16640.8	23177.5
17.5°	1706.3	2236.2	2847.8	3493.7	4055.1	4472.3	5318.2	7130.5	12783.1	19250.2	26311.3
15°	1781.2	2335.7	2971.1	3620.8	4136.3	4669.2	5809.3	8687.3	14798.4	21631.7	29103.0
12.5°	1845.0	2420.6	3076.3	3729.2	4205.6	4837.8	6230.0	10165.8	16629.8	23842.2	31890.2
10°	1897.5	2490.4	3163.0	3818.6	4262.8	4976.9	6577.9	11390.0	18148.7	25678.9	34211.3
7.5°	1938.4	2545.0	3230.8	3888.6	4307.6	5086.0	6850.8	12351.6	19343.3	27125.7	36043.1
5°	1967.8	2584.2	3279.4	3938.8	4339.8	5164.4	7047.0	13043.5	20203.8	28169.2	37366.2
2.5°	1985.5	2607.7	3308.6	3969.0	4359.1	5211.6	7165.3	13460.8	20723.1	28799.4	38166.1
0°	1991.4	2615.6	3318.4	3979.1	4365.6	5227.4	7204.8	13600.2	20896.7	29010.2	38433.8
-2.5°	1985.5	2607.7	3308.6	3969.0	4359.1	5211.6	7165.3	13460.8	20723.1	28799.4	38166.1
-5°	1967.8	2584.2	3279.4	3938.8	4339.8	5164.4	7047.0	13043.5	20203.8	28169.2	37366.2
-7.5°	1938.4	2545.0	3230.8	3888.6	4307.6	5086.0	6850.8	12351.6	19343.3	27125.7	36043.1
-10°	1897.5	2490.4	3163.0	3818.6	4262.8	4976.9	6577.9	11390.0	18148.7	25678.9	34211.3
-12.5°	1845.0	2420.6	3076.3	3729.2	4205.6	4837.8	6230.0	10165.8	16629.8	23842.2	31890.2
-15°	1781.2	2335.7	2971.1	3620.8	4136.3	4669.2	5809.3	8687.3	14798.4	21631.7	29103.0
-17.5°	1706.3	2236.2	2847.8	3493.7	4055.1	4472.3	5318.2	7130.5	12783.1	19250.2	26311.3
-20°	1620.6	2122.3	2706.8	3348.7	3950.9	4312.8	5023.5	6525.5	10666.7	16640.8	23177.5



REPORT NUMBER: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1524.4	1994.5	2556.2	3177.8	3773.9	4200.4	4752.0	5851.8	8315.0	13748.3	19832.5
-25°	1426.7	1876.3	2401.1	2987.0	3578.8	4076.7	4453.7	5177.7	6752.6	10963.3	16442.4
-27.5°	1329.3	1747.9	2231.8	2779.2	3366.5	3916.0	4259.9	4829.1	5893.2	7981.9	12898.4
-30°	1223.8	1608.9	2049.0	2561.7	3126.3	3668.8	4104.1	4455.7	5117.1	6461.9	9502.4
-32.5°	1110.6	1461.9	1876.3	2348.6	2866.4	3405.1	3909.2	4228.0	4692.6	5422.3	6807.9
-35°	999.5	1329.3	1703.1	2122.3	2593.6	3113.8	3609.5	4040.4	4311.9	4836.6	5648.5
-37.5°	897.1	1189.0	1520.0	1901.7	2335.7	2801.4	3293.2	3747.6	4102.4	4354.2	4884.9
-40°	789.3	1041.4	1351.3	1693.2	2065.5	2490.4	2943.6	3397.1	3817.2	4123.2	4354.2
-42.5°	679.2	916.9	1183.2	1475.5	1818.6	2188.3	2584.2	3015.3	3431.4	3817.2	4102.4
-45°	587.3	787.8	1014.0	1285.7	1575.2	1894.6	2250.1	2615.6	3015.3	3397.1	3747.6
-47.5°	491.8	661.8	868.5	1089.8	1347.8	1625.4	1920.0	2250.1	2584.2	2943.6	3293.2
-50°	401.2	553.7	718.2	917.3	1130.8	1368.6	1625.4	1894.6	2188.3	2490.4	2801.4
-52.5°	332.6	442.3	591.1	750.5	933.7	1130.8	1347.8	1575.2	1818.6	2065.5	2335.7
-55°	261.9	357.4	467.1	603.7	750.5	917.3	1089.8	1285.7	1475.5	1693.2	1901.7
-57.5°	206.8	278.4	365.7	467.1	591.1	718.2	868.5	1014.0	1183.2	1351.3	1520.0
-60°	160.4	212.0	278.4	357.4	442.3	553.7	661.8	787.8	916.9	1041.4	1189.0
-62.5°	117.2	160.4	206.8	261.9	332.6	401.2	491.8	587.3	679.2	789.3	897.1
-65°	92.3	114.6	150.2	191.5	231.6	291.5	351.9	410.1	489.4	569.1	645.2
-67.5°	66.9	87.0	106.7	129.9	166.0	201.1	235.0	286.9	337.1	385.2	437.2
-70°	54.5	61.3	76.6	93.7	110.3	130.8	160.9	190.0	217.8	249.6	290.1
-72.5°	44.5	50.5	56.4	62.1	75.6	89.7	103.3	116.4	135.8	159.0	181.1
-75°	35.4	39.7	44.6	49.5	54.3	58.9	64.4	75.6	86.3	96.6	106.3
-77.5°	27.0	30.6	34.1	37.4	40.8	44.7	48.4	51.9	55.3	58.6	61.7
-80°	19.1	21.4	24.1	26.9	29.5	32.0	34.5	36.9	39.1	41.5	44.0
-82.5°	12.3	14.0	15.7	17.3	18.9	20.4	21.9	23.7	25.4	27.0	28.6
-85°	6.1	6.6	7.7	8.8	9.8	10.8	11.8	12.8	13.7	14.5	15.3
-87.5°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.2
-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: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5
85°	16.1	16.8	17.5	18.1	18.7	19.2	19.7	20.1	20.5	20.8	21.0
82.5°	30.0	31.4	32.6	33.8	34.9	35.9	36.8	37.6	38.3	38.9	39.3
80°	46.3	48.5	50.5	52.4	54.2	55.8	57.2	58.5	59.6	60.5	61.3
77.5°	67.7	74.9	81.7	87.9	93.7	98.9	103.6	107.8	111.5	114.6	117.1
75°	115.6	126.6	142.4	156.9	170.4	182.6	193.6	203.4	212.0	219.2	225.2
72.5°	202.0	221.7	242.7	270.1	295.3	318.3	339.0	357.4	373.4	387.1	398.3
70°	328.5	364.7	398.5	435.7	478.8	518.2	553.7	585.2	612.7	636.1	655.3
67.5°	501.8	562.6	619.6	672.7	730.6	787.8	839.5	885.4	925.5	959.6	987.7
65°	725.1	812.4	894.2	970.4	1041.4	1121.6	1193.9	1258.3	1314.5	1362.3	1401.6
62.5°	999.5	1110.6	1223.8	1329.3	1426.7	1524.4	1620.6	1706.3	1781.2	1845.0	1897.5
60°	1329.3	1461.9	1608.9	1747.9	1876.3	1994.5	2122.3	2236.2	2335.7	2420.6	2490.4
57.5°	1703.1	1876.3	2049.0	2231.8	2401.1	2556.2	2706.8	2847.8	2971.1	3076.3	3163.0
55°	2122.3	2348.6	2561.7	2779.2	2987.0	3177.8	3348.7	3493.7	3620.8	3729.2	3818.6
52.5°	2593.6	2866.4	3126.3	3366.5	3578.8	3773.9	3950.9	4055.1	4136.3	4205.6	4262.8
50°	3113.8	3405.1	3668.8	3916.0	4076.7	4200.4	4312.8	4472.3	4669.2	4837.8	4976.9
47.5°	3609.5	3909.2	4104.1	4259.9	4453.7	4752.0	5023.5	5318.2	5809.3	6230.0	6577.9
45°	4040.4	4228.0	4455.7	4829.1	5177.7	5851.8	6525.5	7130.5	8687.3	10165.8	11390.0
42.5°	4311.9	4692.6	5117.1	5893.2	6752.6	8315.0	10666.7	12783.1	14798.4	16629.8	18148.7
40°	4836.6	5422.3	6461.9	7981.9	10963.3	13748.3	16640.8	19250.2	21631.7	23842.2	25678.9
37.5°	5648.5	6807.9	9502.4	12898.4	16442.4	19832.5	23177.5	26311.3	29103.0	31890.2	34211.3
35°	6924.1	10271.2	14144.9	18275.3	22313.6	26357.8	30259.9	34190.1	37685.8	40841.0	43510.4
32.5°	10271.2	14597.0	19203.3	23901.4	28527.2	33483.3	38141.5	42605.7	46605.6	50591.4	54376.8
30°	14144.9	19203.3	24435.4	29727.1	35456.3	40980.9	46269.4	51924.4	57563.1	62959.6	68784.8
27.5°	18275.3	23901.4	29727.1	36120.8	42432.4	48559.6	55947.5	63319.4	71935.7	79493.5	85668.5
25°	22313.6	28527.2	35456.3	42432.4	49546.2	57998.0	67813.3	78142.1	87241.4	95230.9	101931.8
22.5°	26357.8	33483.3	40980.9	48559.6	57998.0	69332.7	81258.4	92046.1	101809.0	110406.1	118186.5
20°	30259.9	38141.5	46269.4	55947.5	67813.3	81258.4	93675.6	105175.2	115866.4	126500.3	136115.0
17.5°	34190.1	42605.7	51924.4	63319.4	78142.1	92046.1	105175.2	117898.9	130810.5	144572.1	157237.3
15°	37685.8	46605.6	57563.1	71935.7	87241.4	101809.0	115866.4	130810.5	147472.9	164082.0	179886.9
12.5°	40841.0	50591.4	62959.6	79493.5	95230.9	110406.1	126500.3	144572.1	164082.0	183725.6	198984.4
10°	43510.4	54376.8	68784.8	85668.5	101931.8	118186.5	136115.0	157237.3	179886.9	198984.4	214104.6
7.5°	45621.8	57379.2	73420.8	90602.8	107288.3	124889.7	145396.6	168816.5	191903.1	210972.1	221926.9
5°	47149.7	59556.6	76792.2	94203.5	111214.4	129831.6	152292.2	177575.5	200491.2	217663.5	227904.7
2.5°	48074.6	60876.7	78840.2	96396.2	113612.9	132863.3	156547.3	183024.6	205898.5	220914.5	231258.1
0°	<b>48384.3</b>	<b>61319.1</b>	<b>79527.1</b>	<b>97132.6</b>	<b>114419.8</b>	<b>133885.6</b>	<b>157986.5</b>	<b>184876.1</b>	<b>207748.3</b>	<b>221839.8</b>	<b>232356.4</b>
-2.5°	48074.6	60876.7	78840.2	96396.2	113612.9	132863.3	156547.3	183024.6	205898.5	220914.5	231258.1
-5°	47149.7	59556.6	76792.2	94203.5	111214.4	129831.6	152292.2	177575.5	200491.2	217663.5	227904.7
-7.5°	45621.8	57379.2	73420.8	90602.8	107288.3	124889.7	145396.6	168816.5	191903.1	210972.1	221926.9
-10°	43510.4	54376.8	68784.8	85668.5	101931.8	118186.5	136115.0	157237.3	179886.9	198984.4	214104.6
-12.5°	40841.0	50591.4	62959.6	79493.5	95230.9	110406.1	126500.3	144572.1	164082.0	183725.6	198984.4
-15°	37685.8	46605.6	57563.1	71935.7	87241.4	101809.0	115866.4	130810.5	147472.9	164082.0	179886.9
-17.5°	34190.1	42605.7	51924.4	63319.4	78142.1	92046.1	105175.2	117898.9	130810.5	144572.1	157237.3
-20°	30259.9	38141.5	46269.4	55947.5	67813.3	81258.4	93675.6	105175.2	115866.4	126500.3	136115.0



REPORT NUMBER: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	26357.8	33483.3	40980.9	48559.6	57998.0	69332.7	81258.4	92046.1	101809.0	110406.1	118186.5
-25°	22313.6	28527.2	35456.3	42432.4	49546.2	57998.0	67813.3	78142.1	87241.4	95230.9	101931.8
-27.5°	18275.3	23901.4	29727.1	36120.8	42432.4	48559.6	55947.5	63319.4	71935.7	79493.5	85668.5
-30°	14144.9	19203.3	24435.4	29727.1	35456.3	40980.9	46269.4	51924.4	57563.1	62959.6	68784.8
-32.5°	10271.2	14597.0	19203.3	23901.4	28527.2	33483.3	38141.5	42605.7	46605.6	50591.4	54376.8
-35°	6924.1	10271.2	14144.9	18275.3	22313.6	26357.8	30259.9	34190.1	37685.8	40841.0	43510.4
-37.5°	5648.5	6807.9	9502.4	12898.4	16442.4	19832.5	23177.5	26311.3	29103.0	31890.2	34211.3
-40°	4836.6	5422.3	6461.9	7981.9	10963.3	13748.3	16640.8	19250.2	21631.7	23842.2	25678.9
-42.5°	4311.9	4692.6	5117.1	5893.2	6752.6	8315.0	10666.7	12783.1	14798.4	16629.8	18148.7
-45°	4040.4	4228.0	4455.7	4829.1	5177.7	5851.8	6525.5	7130.5	8687.3	10165.8	11390.0
-47.5°	3609.5	3909.2	4104.1	4259.9	4453.7	4752.0	5023.5	5318.2	5809.3	6230.0	6577.9
-50°	3113.8	3405.1	3668.8	3916.0	4076.7	4200.4	4312.8	4472.3	4669.2	4837.8	4976.9
-52.5°	2593.6	2866.4	3126.3	3366.5	3578.8	3773.9	3950.9	4055.1	4136.3	4205.6	4262.8
-55°	2122.3	2348.6	2561.7	2779.2	2987.0	3177.8	3348.7	3493.7	3620.8	3729.2	3818.6
-57.5°	1703.1	1876.3	2049.0	2231.8	2401.1	2556.2	2706.8	2847.8	2971.1	3076.3	3163.0
-60°	1329.3	1461.9	1608.9	1747.9	1876.3	1994.5	2122.3	2236.2	2335.7	2420.6	2490.4
-62.5°	999.5	1110.6	1223.8	1329.3	1426.7	1524.4	1620.6	1706.3	1781.2	1845.0	1897.5
-65°	725.1	812.4	894.2	970.4	1041.4	1121.6	1193.9	1258.3	1314.5	1362.3	1401.6
-67.5°	501.8	562.6	619.6	672.7	730.6	787.8	839.5	885.4	925.5	959.6	987.7
-70°	328.5	364.7	398.5	435.7	478.8	518.2	553.7	585.2	612.7	636.1	655.3
-72.5°	202.0	221.7	242.7	270.1	295.3	318.3	339.0	357.4	373.4	387.1	398.3
-75°	115.6	126.6	142.4	156.9	170.4	182.6	193.6	203.4	212.0	219.2	225.2
-77.5°	67.7	74.9	81.7	87.9	93.7	98.9	103.6	107.8	111.5	114.6	117.1
-80°	46.3	48.5	50.5	52.4	54.2	55.8	57.2	58.5	59.6	60.5	61.3
-82.5°	30.0	31.4	32.6	33.8	34.9	35.9	36.8	37.6	38.3	38.9	39.3
-85°	16.1	16.8	17.5	18.1	18.7	19.2	19.7	20.1	20.5	20.8	21.0
-87.5°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5
-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: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5S-A

**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°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.3
85°	21.2	21.4	21.5	21.5	21.5	21.4	21.2	21.0	20.8	20.5	20.1
82.5°	39.7	40.0	40.1	40.2	40.1	40.0	39.7	39.3	38.9	38.3	37.6
80°	61.9	62.4	62.6	62.7	62.6	62.4	61.9	61.3	60.5	59.6	58.5
77.5°	119.1	120.6	121.4	121.7	121.4	120.6	119.1	117.1	114.6	111.5	107.8
75°	229.8	233.1	235.1	235.8	235.1	233.1	229.8	225.2	219.2	212.0	203.4
72.5°	407.0	413.3	417.0	418.3	417.0	413.3	407.0	398.3	387.1	373.4	357.4
70°	670.3	681.1	687.5	689.7	687.5	681.1	670.3	655.3	636.1	612.7	585.2
67.5°	1009.5	1025.2	1034.7	1037.8	1034.7	1025.2	1009.5	987.7	959.6	925.5	885.4
65°	1432.3	1454.3	1467.6	1472.0	1467.6	1454.3	1432.3	1401.6	1362.3	1314.5	1258.3
62.5°	1938.4	1967.8	1985.5	1991.4	1985.5	1967.8	1938.4	1897.5	1845.0	1781.2	1706.3
60°	2545.0	2584.2	2607.7	2615.6	2607.7	2584.2	2545.0	2490.4	2420.6	2335.7	2236.2
57.5°	3230.8	3279.4	3308.6	3318.4	3308.6	3279.4	3230.8	3163.0	3076.3	2971.1	2847.8
55°	3888.6	3938.8	3969.0	3979.1	3969.0	3938.8	3888.6	3818.6	3729.2	3620.8	3493.7
52.5°	4307.6	4339.8	4359.1	4365.6	4359.1	4339.8	4307.6	4262.8	4205.6	4136.3	4055.1
50°	5086.0	5164.4	5211.6	5227.4	5211.6	5164.4	5086.0	4976.9	4837.8	4669.2	4472.3
47.5°	6850.8	7047.0	7165.3	7204.8	7165.3	7047.0	6850.8	6577.9	6230.0	5809.3	5318.2
45°	12351.6	13043.5	13460.8	13600.2	13460.8	13043.5	12351.6	11390.0	10165.8	8687.3	7130.5
42.5°	19343.3	20203.8	20723.1	20896.7	20723.1	20203.8	19343.3	18148.7	16629.8	14798.4	12783.1
40°	27125.7	28169.2	28799.4	29010.2	28799.4	28169.2	27125.7	25678.9	23842.2	21631.7	19250.2
37.5°	36043.1	37366.2	38166.1	38433.8	38166.1	37366.2	36043.1	34211.3	31890.2	29103.0	26311.3
35°	45621.8	47149.7	48074.6	48384.3	48074.6	47149.7	45621.8	43510.4	40841.0	37685.8	34190.1
32.5°	57379.2	59556.6	60876.7	61319.1	60876.7	59556.6	57379.2	54376.8	50591.4	46605.6	42605.7
30°	73420.8	76792.2	78840.2	79527.1	78840.2	76792.2	73420.8	68784.8	62959.6	57563.1	51924.4
27.5°	90602.8	94203.5	96396.2	97132.6	96396.2	94203.5	90602.8	85668.5	79493.5	71935.7	63319.4
25°	107288.3	111214.4	113612.9	114419.8	113612.9	111214.4	107288.3	101931.8	95230.9	87241.4	78142.1
22.5°	124889.7	129831.6	132863.3	133885.6	132863.3	129831.6	124889.7	118186.5	110406.1	101809.0	92046.1
20°	145396.6	152292.2	156547.3	157986.5	156547.3	152292.2	145396.6	136115.0	126500.3	115866.4	105175.2
17.5°	168816.5	177575.5	183024.6	184876.1	183024.6	177575.5	168816.5	157237.3	144572.1	130810.5	117898.9
15°	191903.1	200491.2	205898.5	207748.3	205898.5	200491.2	191903.1	179886.9	164082.0	147472.9	130810.5
12.5°	210972.1	217663.5	220914.5	221839.8	220914.5	217663.5	210972.1	198984.4	183725.6	164082.0	144572.1
10°	221926.9	227904.7	231258.1	232356.4	231258.1	227904.7	221926.9	214104.6	198984.4	179886.9	157237.3
7.5°	230224.5	234707.2	237584.0	238573.5	237584.0	234707.2	230224.5	221926.9	210972.1	191903.1	168816.5
5°	234707.2	239636.6	242690.0	243814.5	242690.0	239636.6	234707.2	227904.7	217663.5	200491.2	177575.5
2.5°	237584.0	242690.0	244987.3	245366.1	244987.3	242690.0	237584.0	231258.1	220914.5	205898.5	183024.6
0°	238573.5	243814.5	245366.1	245659.0	245366.1	243814.5	238573.5	232356.4	221839.8	207748.3	184876.1
-2.5°	237584.0	242690.0	244987.3	245366.1	244987.3	242690.0	237584.0	231258.1	220914.5	205898.5	183024.6
-5°	234707.2	239636.6	242690.0	243814.5	242690.0	239636.6	234707.2	227904.7	217663.5	200491.2	177575.5
-7.5°	230224.5	234707.2	237584.0	238573.5	237584.0	234707.2	230224.5	221926.9	210972.1	191903.1	168816.5
-10°	221926.9	227904.7	231258.1	232356.4	231258.1	227904.7	221926.9	214104.6	198984.4	179886.9	157237.3
-12.5°	210972.1	217663.5	220914.5	221839.8	220914.5	217663.5	210972.1	198984.4	183725.6	164082.0	144572.1
-15°	191903.1	200491.2	205898.5	207748.3	205898.5	200491.2	191903.1	179886.9	164082.0	147472.9	130810.5
-17.5°	168816.5	177575.5	183024.6	184876.1	183024.6	177575.5	168816.5	157237.3	144572.1	130810.5	117898.9
-20°	145396.6	152292.2	156547.3	157986.5	156547.3	152292.2	145396.6	136115.0	126500.3	115866.4	105175.2



REPORT NUMBER: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	124889.7	129831.6	132863.3	133885.6	132863.3	129831.6	124889.7	118186.5	110406.1	101809.0	92046.1
-25°	107288.3	111214.4	113612.9	114419.8	113612.9	111214.4	107288.3	101931.8	95230.9	87241.4	78142.1
-27.5°	90602.8	94203.5	96396.2	97132.6	96396.2	94203.5	90602.8	85668.5	79493.5	71935.7	63319.4
-30°	73420.8	76792.2	78840.2	79527.1	78840.2	76792.2	73420.8	68784.8	62959.6	57563.1	51924.4
-32.5°	57379.2	59556.6	60876.7	61319.1	60876.7	59556.6	57379.2	54376.8	50591.4	46605.6	42605.7
-35°	45621.8	47149.7	48074.6	48384.3	48074.6	47149.7	45621.8	43510.4	40841.0	37685.8	34190.1
-37.5°	36043.1	37366.2	38166.1	38433.8	38166.1	37366.2	36043.1	34211.3	31890.2	29103.0	26311.3
-40°	27125.7	28169.2	28799.4	29010.2	28799.4	28169.2	27125.7	25678.9	23842.2	21631.7	19250.2
-42.5°	19343.3	20203.8	20723.1	20896.7	20723.1	20203.8	19343.3	18148.7	16629.8	14798.4	12783.1
-45°	12351.6	13043.5	13460.8	13600.2	13460.8	13043.5	12351.6	11390.0	10165.8	8687.3	7130.5
-47.5°	6850.8	7047.0	7165.3	7204.8	7165.3	7047.0	6850.8	6577.9	6230.0	5809.3	5318.2
-50°	5086.0	5164.4	5211.6	5227.4	5211.6	5164.4	5086.0	4976.9	4837.8	4669.2	4472.3
-52.5°	4307.6	4339.8	4359.1	4365.6	4359.1	4339.8	4307.6	4262.8	4205.6	4136.3	4055.1
-55°	3888.6	3938.8	3969.0	3979.1	3969.0	3938.8	3888.6	3818.6	3729.2	3620.8	3493.7
-57.5°	3230.8	3279.4	3308.6	3318.4	3308.6	3279.4	3230.8	3163.0	3076.3	2971.1	2847.8
-60°	2545.0	2584.2	2607.7	2615.6	2607.7	2584.2	2545.0	2490.4	2420.6	2335.7	2236.2
-62.5°	1938.4	1967.8	1985.5	1991.4	1985.5	1967.8	1938.4	1897.5	1845.0	1781.2	1706.3
-65°	1432.3	1454.3	1467.6	1472.0	1467.6	1454.3	1432.3	1401.6	1362.3	1314.5	1258.3
-67.5°	1009.5	1025.2	1034.7	1037.8	1034.7	1025.2	1009.5	987.7	959.6	925.5	885.4
-70°	670.3	681.1	687.5	689.7	687.5	681.1	670.3	655.3	636.1	612.7	585.2
-72.5°	407.0	413.3	417.0	418.3	417.0	413.3	407.0	398.3	387.1	373.4	357.4
-75°	229.8	233.1	235.1	235.8	235.1	233.1	229.8	225.2	219.2	212.0	203.4
-77.5°	119.1	120.6	121.4	121.7	121.4	120.6	119.1	117.1	114.6	111.5	107.8
-80°	61.9	62.4	62.6	62.7	62.6	62.4	61.9	61.3	60.5	59.6	58.5
-82.5°	39.7	40.0	40.1	40.2	40.1	40.0	39.7	39.3	38.9	38.3	37.6
-85°	21.2	21.4	21.5	21.5	21.5	21.4	21.2	21.0	20.8	20.5	20.1
-87.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	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



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**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°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7
85°	19.7	19.2	18.7	18.1	17.5	16.8	16.1	15.3	14.5	13.7	12.8
82.5°	36.8	35.9	34.9	33.8	32.6	31.4	30.0	28.6	27.0	25.4	23.7
80°	57.2	55.8	54.2	52.4	50.5	48.5	46.3	44.0	41.5	39.1	36.9
77.5°	103.6	98.9	93.7	87.9	81.7	74.9	67.7	61.7	58.6	55.3	51.9
75°	193.6	182.6	170.4	156.9	142.4	126.6	115.6	106.3	96.6	86.3	75.6
72.5°	339.0	318.3	295.3	270.1	242.7	221.7	202.0	181.1	159.0	135.8	116.4
70°	553.7	518.2	478.8	435.7	398.5	364.7	328.5	290.1	249.6	217.8	190.0
67.5°	839.5	787.8	730.6	672.7	619.6	562.6	501.8	437.2	385.2	337.1	286.9
65°	1193.9	1121.6	1041.4	970.4	894.2	812.4	725.1	645.2	569.1	489.4	410.1
62.5°	1620.6	1524.4	1426.7	1329.3	1223.8	1110.6	999.5	897.1	789.3	679.2	587.3
60°	2122.3	1994.5	1876.3	1747.9	1608.9	1461.9	1329.3	1189.0	1041.4	916.9	787.8
57.5°	2706.8	2556.2	2401.1	2231.8	2049.0	1876.3	1703.1	1520.0	1351.3	1183.2	1014.0
55°	3348.7	3177.8	2987.0	2779.2	2561.7	2348.6	2122.3	1901.7	1693.2	1475.5	1285.7
52.5°	3950.9	3773.9	3578.8	3366.5	3126.3	2866.4	2593.6	2335.7	2065.5	1818.6	1575.2
50°	4312.8	4200.4	4076.7	3916.0	3668.8	3405.1	3113.8	2801.4	2490.4	2188.3	1894.6
47.5°	5023.5	4752.0	4453.7	4259.9	4104.1	3909.2	3609.5	3293.2	2943.6	2584.2	2250.1
45°	6525.5	5851.8	5177.7	4829.1	4455.7	4228.0	4040.4	3747.6	3397.1	3015.3	2615.6
42.5°	10666.7	8315.0	6752.6	5893.2	5117.1	4692.6	4311.9	4102.4	3817.2	3431.4	3015.3
40°	16640.8	13748.3	10963.3	7981.9	6461.9	5422.3	4836.6	4354.2	4123.2	3817.2	3397.1
37.5°	23177.5	19832.5	16442.4	12898.4	9502.4	6807.9	5648.5	4884.9	4354.2	4102.4	3747.6
35°	30259.9	26357.8	22313.6	18275.3	14144.9	10271.2	6924.1	5648.5	4836.6	4311.9	4040.4
32.5°	38141.5	33483.3	28527.2	23901.4	19203.3	14597.0	10271.2	6807.9	5422.3	4692.6	4228.0
30°	46269.4	40980.9	35456.3	29727.1	24435.4	19203.3	14144.9	9502.4	6461.9	5117.1	4455.7
27.5°	55947.5	48559.6	42432.4	36120.8	29727.1	23901.4	18275.3	12898.4	7981.9	5893.2	4829.1
25°	67813.3	57998.0	49546.2	42432.4	35456.3	28527.2	22313.6	16442.4	10963.3	6752.6	5177.7
22.5°	81258.4	69332.7	57998.0	48559.6	40980.9	33483.3	26357.8	19832.5	13748.3	8315.0	5851.8
20°	93675.6	81258.4	67813.3	55947.5	46269.4	38141.5	30259.9	23177.5	16640.8	10666.7	6525.5
17.5°	105175.2	92046.1	78142.1	63319.4	51924.4	42605.7	34190.1	26311.3	19250.2	12783.1	7130.5
15°	115866.4	101809.0	87241.4	71935.7	57563.1	46605.6	37685.8	29103.0	21631.7	14798.4	8687.3
12.5°	126500.3	110406.1	95230.9	79493.5	62959.6	50591.4	40841.0	31890.2	23842.2	16629.8	10165.8
10°	136115.0	118186.5	101931.8	85668.5	68784.8	54376.8	43510.4	34211.3	25678.9	18148.7	11390.0
7.5°	145396.6	124889.7	107288.3	90602.8	73420.8	57379.2	45621.8	36043.1	27125.7	19343.3	12351.6
5°	152292.2	129831.6	111214.4	94203.5	76792.2	59556.6	47149.7	37366.2	28169.2	20203.8	13043.5
2.5°	156547.3	132863.3	113612.9	96396.2	78840.2	60876.7	48074.6	38166.1	28799.4	20723.1	13460.8
0°	157986.5	133885.6	114419.8	97132.6	79527.1	61319.1	48384.3	38433.8	29010.2	20896.7	13600.2
-2.5°	156547.3	132863.3	113612.9	96396.2	78840.2	60876.7	48074.6	38166.1	28799.4	20723.1	13460.8
-5°	152292.2	129831.6	111214.4	94203.5	76792.2	59556.6	47149.7	37366.2	28169.2	20203.8	13043.5
-7.5°	145396.6	124889.7	107288.3	90602.8	73420.8	57379.2	45621.8	36043.1	27125.7	19343.3	12351.6
-10°	136115.0	118186.5	101931.8	85668.5	68784.8	54376.8	43510.4	34211.3	25678.9	18148.7	11390.0
-12.5°	126500.3	110406.1	95230.9	79493.5	62959.6	50591.4	40841.0	31890.2	23842.2	16629.8	10165.8
-15°	115866.4	101809.0	87241.4	71935.7	57563.1	46605.6	37685.8	29103.0	21631.7	14798.4	8687.3
-17.5°	105175.2	92046.1	78142.1	63319.4	51924.4	42605.7	34190.1	26311.3	19250.2	12783.1	7130.5
-20°	93675.6	81258.4	67813.3	55947.5	46269.4	38141.5	30259.9	23177.5	16640.8	10666.7	6525.5



REPORT NUMBER: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	81258.4	69332.7	57998.0	48559.6	40980.9	33483.3	26357.8	19832.5	13748.3	8315.0	5851.8
-25°	67813.3	57998.0	49546.2	42432.4	35456.3	28527.2	22313.6	16442.4	10963.3	6752.6	5177.7
-27.5°	55947.5	48559.6	42432.4	36120.8	29727.1	23901.4	18275.3	12898.4	7981.9	5893.2	4829.1
-30°	46269.4	40980.9	35456.3	29727.1	24435.4	19203.3	14144.9	9502.4	6461.9	5117.1	4455.7
-32.5°	38141.5	33483.3	28527.2	23901.4	19203.3	14597.0	10271.2	6807.9	5422.3	4692.6	4228.0
-35°	30259.9	26357.8	22313.6	18275.3	14144.9	10271.2	6924.1	5648.5	4836.6	4311.9	4040.4
-37.5°	23177.5	19832.5	16442.4	12898.4	9502.4	6807.9	5648.5	4884.9	4354.2	4102.4	3747.6
-40°	16640.8	13748.3	10963.3	7981.9	6461.9	5422.3	4836.6	4354.2	4123.2	3817.2	3397.1
-42.5°	10666.7	8315.0	6752.6	5893.2	5117.1	4692.6	4311.9	4102.4	3817.2	3431.4	3015.3
-45°	6525.5	5851.8	5177.7	4829.1	4455.7	4228.0	4040.4	3747.6	3397.1	3015.3	2615.6
-47.5°	5023.5	4752.0	4453.7	4259.9	4104.1	3909.2	3609.5	3293.2	2943.6	2584.2	2250.1
-50°	4312.8	4200.4	4076.7	3916.0	3668.8	3405.1	3113.8	2801.4	2490.4	2188.3	1894.6
-52.5°	3950.9	3773.9	3578.8	3366.5	3126.3	2866.4	2593.6	2335.7	2065.5	1818.6	1575.2
-55°	3348.7	3177.8	2987.0	2779.2	2561.7	2348.6	2122.3	1901.7	1693.2	1475.5	1285.7
-57.5°	2706.8	2556.2	2401.1	2231.8	2049.0	1876.3	1703.1	1520.0	1351.3	1183.2	1014.0
-60°	2122.3	1994.5	1876.3	1747.9	1608.9	1461.9	1329.3	1189.0	1041.4	916.9	787.8
-62.5°	1620.6	1524.4	1426.7	1329.3	1223.8	1110.6	999.5	897.1	789.3	679.2	587.3
-65°	1193.9	1121.6	1041.4	970.4	894.2	812.4	725.1	645.2	569.1	489.4	410.1
-67.5°	839.5	787.8	730.6	672.7	619.6	562.6	501.8	437.2	385.2	337.1	286.9
-70°	553.7	518.2	478.8	435.7	398.5	364.7	328.5	290.1	249.6	217.8	190.0
-72.5°	339.0	318.3	295.3	270.1	242.7	221.7	202.0	181.1	159.0	135.8	116.4
-75°	193.6	182.6	170.4	156.9	142.4	126.6	115.6	106.3	96.6	86.3	75.6
-77.5°	103.6	98.9	93.7	87.9	81.7	74.9	67.7	61.7	58.6	55.3	51.9
-80°	57.2	55.8	54.2	52.4	50.5	48.5	46.3	44.0	41.5	39.1	36.9
-82.5°	36.8	35.9	34.9	33.8	32.6	31.4	30.0	28.6	27.0	25.4	23.7
-85°	19.7	19.2	18.7	18.1	17.5	16.8	16.1	15.3	14.5	13.7	12.8
-87.5°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5S-A

**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°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
85°	11.8	10.8	9.8	8.8	7.7	6.6	6.1	5.6	5.0	4.5	4.0
82.5°	21.9	20.4	18.9	17.3	15.7	14.0	12.3	10.5	8.8	6.9	5.9
80°	34.5	32.0	29.5	26.9	24.1	21.4	19.1	16.8	14.4	12.0	9.5
77.5°	48.4	44.7	40.8	37.4	34.1	30.6	27.0	23.4	20.0	17.0	13.9
75°	64.4	58.9	54.3	49.5	44.6	39.7	35.4	31.1	26.6	22.1	18.3
72.5°	103.3	89.7	75.6	62.1	56.4	50.5	44.5	38.7	33.5	28.3	22.9
70°	160.9	130.8	110.3	93.7	76.6	61.3	54.5	47.5	40.4	34.3	28.3
67.5°	235.0	201.1	166.0	129.9	106.7	87.0	66.9	56.5	48.5	40.4	33.5
65°	351.9	291.5	231.6	191.5	150.2	114.6	92.3	69.5	56.5	47.5	38.7
62.5°	491.8	401.2	332.6	261.9	206.8	160.4	117.2	92.3	66.9	54.5	44.5
60°	661.8	553.7	442.3	357.4	278.4	212.0	160.4	114.6	87.0	61.3	50.5
57.5°	868.5	718.2	591.1	467.1	365.7	278.4	206.8	150.2	106.7	76.6	56.4
55°	1089.8	917.3	750.5	603.7	467.1	357.4	261.9	191.5	129.9	93.7	62.1
52.5°	1347.8	1130.8	933.7	750.5	591.1	442.3	332.6	231.6	166.0	110.3	75.6
50°	1625.4	1368.6	1130.8	917.3	718.2	553.7	401.2	291.5	201.1	130.8	89.7
47.5°	1920.0	1625.4	1347.8	1089.8	868.5	661.8	491.8	351.9	235.0	160.9	103.3
45°	2250.1	1894.6	1575.2	1285.7	1014.0	787.8	587.3	410.1	286.9	190.0	116.4
42.5°	2584.2	2188.3	1818.6	1475.5	1183.2	916.9	679.2	489.4	337.1	217.8	135.8
40°	2943.6	2490.4	2065.5	1693.2	1351.3	1041.4	789.3	569.1	385.2	249.6	159.0
37.5°	3293.2	2801.4	2335.7	1901.7	1520.0	1189.0	897.1	645.2	437.2	290.1	181.1
35°	3609.5	3113.8	2593.6	2122.3	1703.1	1329.3	999.5	725.1	501.8	328.5	202.0
32.5°	3909.2	3405.1	2866.4	2348.6	1876.3	1461.9	1110.6	812.4	562.6	364.7	221.7
30°	4104.1	3668.8	3126.3	2561.7	2049.0	1608.9	1223.8	894.2	619.6	398.5	242.7
27.5°	4259.9	3916.0	3366.5	2779.2	2231.8	1747.9	1329.3	970.4	672.7	435.7	270.1
25°	4453.7	4076.7	3578.8	2987.0	2401.1	1876.3	1426.7	1041.4	730.6	478.8	295.3
22.5°	4752.0	4200.4	3773.9	3177.8	2556.2	1994.5	1524.4	1121.6	787.8	518.2	318.3
20°	5023.5	4312.8	3950.9	3348.7	2706.8	2122.3	1620.6	1193.9	839.5	553.7	339.0
17.5°	5318.2	4472.3	4055.1	3493.7	2847.8	2236.2	1706.3	1258.3	885.4	585.2	357.4
15°	5809.3	4669.2	4136.3	3620.8	2971.1	2335.7	1781.2	1314.5	925.5	612.7	373.4
12.5°	6230.0	4837.8	4205.6	3729.2	3076.3	2420.6	1845.0	1362.3	959.6	636.1	387.1
10°	6577.9	4976.9	4262.8	3818.6	3163.0	2490.4	1897.5	1401.6	987.7	655.3	398.3
7.5°	6850.8	5086.0	4307.6	3888.6	3230.8	2545.0	1938.4	1432.3	1009.5	670.3	407.0
5°	7047.0	5164.4	4339.8	3938.8	3279.4	2584.2	1967.8	1454.3	1025.2	681.1	413.3
2.5°	7165.3	5211.6	4359.1	3969.0	3308.6	2607.7	1985.5	1467.6	1034.7	687.5	417.0
0°	<b>7204.8</b>	<b>5227.4</b>	<b>4365.6</b>	<b>3979.1</b>	<b>3318.4</b>	<b>2615.6</b>	<b>1991.4</b>	<b>1472.0</b>	<b>1037.8</b>	<b>689.7</b>	<b>418.3</b>
-2.5°	7165.3	5211.6	4359.1	3969.0	3308.6	2607.7	1985.5	1467.6	1034.7	687.5	417.0
-5°	7047.0	5164.4	4339.8	3938.8	3279.4	2584.2	1967.8	1454.3	1025.2	681.1	413.3
-7.5°	6850.8	5086.0	4307.6	3888.6	3230.8	2545.0	1938.4	1432.3	1009.5	670.3	407.0
-10°	6577.9	4976.9	4262.8	3818.6	3163.0	2490.4	1897.5	1401.6	987.7	655.3	398.3
-12.5°	6230.0	4837.8	4205.6	3729.2	3076.3	2420.6	1845.0	1362.3	959.6	636.1	387.1
-15°	5809.3	4669.2	4136.3	3620.8	2971.1	2335.7	1781.2	1314.5	925.5	612.7	373.4
-17.5°	5318.2	4472.3	4055.1	3493.7	2847.8	2236.2	1706.3	1258.3	885.4	585.2	357.4
-20°	5023.5	4312.8	3950.9	3348.7	2706.8	2122.3	1620.6	1193.9	839.5	553.7	339.0



REPORT NUMBER: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4752.0	4200.4	3773.9	3177.8	2556.2	1994.5	1524.4	1121.6	787.8	518.2	318.3
-25°	4453.7	4076.7	3578.8	2987.0	2401.1	1876.3	1426.7	1041.4	730.6	478.8	295.3
-27.5°	4259.9	3916.0	3366.5	2779.2	2231.8	1747.9	1329.3	970.4	672.7	435.7	270.1
-30°	4104.1	3668.8	3126.3	2561.7	2049.0	1608.9	1223.8	894.2	619.6	398.5	242.7
-32.5°	3909.2	3405.1	2866.4	2348.6	1876.3	1461.9	1110.6	812.4	562.6	364.7	221.7
-35°	3609.5	3113.8	2593.6	2122.3	1703.1	1329.3	999.5	725.1	501.8	328.5	202.0
-37.5°	3293.2	2801.4	2335.7	1901.7	1520.0	1189.0	897.1	645.2	437.2	290.1	181.1
-40°	2943.6	2490.4	2065.5	1693.2	1351.3	1041.4	789.3	569.1	385.2	249.6	159.0
-42.5°	2584.2	2188.3	1818.6	1475.5	1183.2	916.9	679.2	489.4	337.1	217.8	135.8
-45°	2250.1	1894.6	1575.2	1285.7	1014.0	787.8	587.3	410.1	286.9	190.0	116.4
-47.5°	1920.0	1625.4	1347.8	1089.8	868.5	661.8	491.8	351.9	235.0	160.9	103.3
-50°	1625.4	1368.6	1130.8	917.3	718.2	553.7	401.2	291.5	201.1	130.8	89.7
-52.5°	1347.8	1130.8	933.7	750.5	591.1	442.3	332.6	231.6	166.0	110.3	75.6
-55°	1089.8	917.3	750.5	603.7	467.1	357.4	261.9	191.5	129.9	93.7	62.1
-57.5°	868.5	718.2	591.1	467.1	365.7	278.4	206.8	150.2	106.7	76.6	56.4
-60°	661.8	553.7	442.3	357.4	278.4	212.0	160.4	114.6	87.0	61.3	50.5
-62.5°	491.8	401.2	332.6	261.9	206.8	160.4	117.2	92.3	66.9	54.5	44.5
-65°	351.9	291.5	231.6	191.5	150.2	114.6	92.3	69.5	56.5	47.5	38.7
-67.5°	235.0	201.1	166.0	129.9	106.7	87.0	66.9	56.5	48.5	40.4	33.5
-70°	160.9	130.8	110.3	93.7	76.6	61.3	54.5	47.5	40.4	34.3	28.3
-72.5°	103.3	89.7	75.6	62.1	56.4	50.5	44.5	38.7	33.5	28.3	22.9
-75°	64.4	58.9	54.3	49.5	44.6	39.7	35.4	31.1	26.6	22.1	18.3
-77.5°	48.4	44.7	40.8	37.4	34.1	30.6	27.0	23.4	20.0	17.0	13.9
-80°	34.5	32.0	29.5	26.9	24.1	21.4	19.1	16.8	14.4	12.0	9.5
-82.5°	21.9	20.4	18.9	17.3	15.7	14.0	12.3	10.5	8.8	6.9	5.9
-85°	11.8	10.8	9.8	8.8	7.7	6.6	6.1	5.6	5.0	4.5	4.0
-87.5°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
-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: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5S-A

**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°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
85°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
82.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
80°	7.1	5.7	4.6	3.4	2.3	1.1	0.0
77.5°	10.8	7.7	5.7	4.3	2.9	1.4	0.0
75°	14.6	10.8	7.1	5.1	3.4	1.7	0.0
72.5°	18.3	13.9	9.5	5.9	4.0	2.0	0.0
70°	22.1	17.0	12.0	6.9	4.5	2.3	0.0
67.5°	26.6	20.0	14.4	8.8	5.0	2.5	0.0
65°	31.1	23.4	16.8	10.5	5.6	2.8	0.0
62.5°	35.4	27.0	19.1	12.3	6.1	3.0	0.0
60°	39.7	30.6	21.4	14.0	6.6	3.3	0.0
57.5°	44.6	34.1	24.1	15.7	7.7	3.5	0.0
55°	49.5	37.4	26.9	17.3	8.8	3.8	0.0
52.5°	54.3	40.8	29.5	18.9	9.8	4.0	0.0
50°	58.9	44.7	32.0	20.4	10.8	4.2	0.0
47.5°	64.4	48.4	34.5	21.9	11.8	4.5	0.0
45°	75.6	51.9	36.9	23.7	12.8	4.7	0.0
42.5°	86.3	55.3	39.1	25.4	13.7	4.9	0.0
40°	96.6	58.6	41.5	27.0	14.5	5.1	0.0
37.5°	106.3	61.7	44.0	28.6	15.3	5.2	0.0
35°	115.6	67.7	46.3	30.0	16.1	5.4	0.0
32.5°	126.6	74.9	48.5	31.4	16.8	5.6	0.0
30°	142.4	81.7	50.5	32.6	17.5	5.7	0.0
27.5°	156.9	87.9	52.4	33.8	18.1	5.9	0.0
25°	170.4	93.7	54.2	34.9	18.7	6.0	0.0
22.5°	182.6	98.9	55.8	35.9	19.2	6.1	0.0
20°	193.6	103.6	57.2	36.8	19.7	6.2	0.0
17.5°	203.4	107.8	58.5	37.6	20.1	6.3	0.0
15°	212.0	111.5	59.6	38.3	20.5	6.4	0.0
12.5°	219.2	114.6	60.5	38.9	20.8	6.4	0.0
10°	225.2	117.1	61.3	39.3	21.0	6.5	0.0
7.5°	229.8	119.1	61.9	39.7	21.2	6.5	0.0
5°	233.1	120.6	62.4	40.0	21.4	6.6	0.0
2.5°	235.1	121.4	62.6	40.1	21.5	6.6	0.0
0°	235.8	121.7	62.7	40.2	21.5	6.6	0.0
-2.5°	235.1	121.4	62.6	40.1	21.5	6.6	0.0
-5°	233.1	120.6	62.4	40.0	21.4	6.6	0.0
-7.5°	229.8	119.1	61.9	39.7	21.2	6.5	0.0
-10°	225.2	117.1	61.3	39.3	21.0	6.5	0.0
-12.5°	219.2	114.6	60.5	38.9	20.8	6.4	0.0
-15°	212.0	111.5	59.6	38.3	20.5	6.4	0.0
-17.5°	203.4	107.8	58.5	37.6	20.1	6.3	0.0
-20°	193.6	103.6	57.2	36.8	19.7	6.2	0.0



REPORT NUMBER: P1306498 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	182.6	98.9	55.8	35.9	19.2	6.1	0.0
-25°	170.4	93.7	54.2	34.9	18.7	6.0	0.0
-27.5°	156.9	87.9	52.4	33.8	18.1	5.9	0.0
-30°	142.4	81.7	50.5	32.6	17.5	5.7	0.0
-32.5°	126.6	74.9	48.5	31.4	16.8	5.6	0.0
-35°	115.6	67.7	46.3	30.0	16.1	5.4	0.0
-37.5°	106.3	61.7	44.0	28.6	15.3	5.2	0.0
-40°	96.6	58.6	41.5	27.0	14.5	5.1	0.0
-42.5°	86.3	55.3	39.1	25.4	13.7	4.9	0.0
-45°	75.6	51.9	36.9	23.7	12.8	4.7	0.0
-47.5°	64.4	48.4	34.5	21.9	11.8	4.5	0.0
-50°	58.9	44.7	32.0	20.4	10.8	4.2	0.0
-52.5°	54.3	40.8	29.5	18.9	9.8	4.0	0.0
-55°	49.5	37.4	26.9	17.3	8.8	3.8	0.0
-57.5°	44.6	34.1	24.1	15.7	7.7	3.5	0.0
-60°	39.7	30.6	21.4	14.0	6.6	3.3	0.0
-62.5°	35.4	27.0	19.1	12.3	6.1	3.0	0.0
-65°	31.1	23.4	16.8	10.5	5.6	2.8	0.0
-67.5°	26.6	20.0	14.4	8.8	5.0	2.5	0.0
-70°	22.1	17.0	12.0	6.9	4.5	2.3	0.0
-72.5°	18.3	13.9	9.5	5.9	4.0	2.0	0.0
-75°	14.6	10.8	7.1	5.1	3.4	1.7	0.0
-77.5°	10.8	7.7	5.7	4.3	2.9	1.4	0.0
-80°	7.1	5.7	4.6	3.4	2.3	1.1	0.0
-82.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
-85°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
-87.5°	1.7	1.4	1.1	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)