

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: P1306495 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-57-80-4S-A**

Issue Date: 2/3/2026

**Test Information**

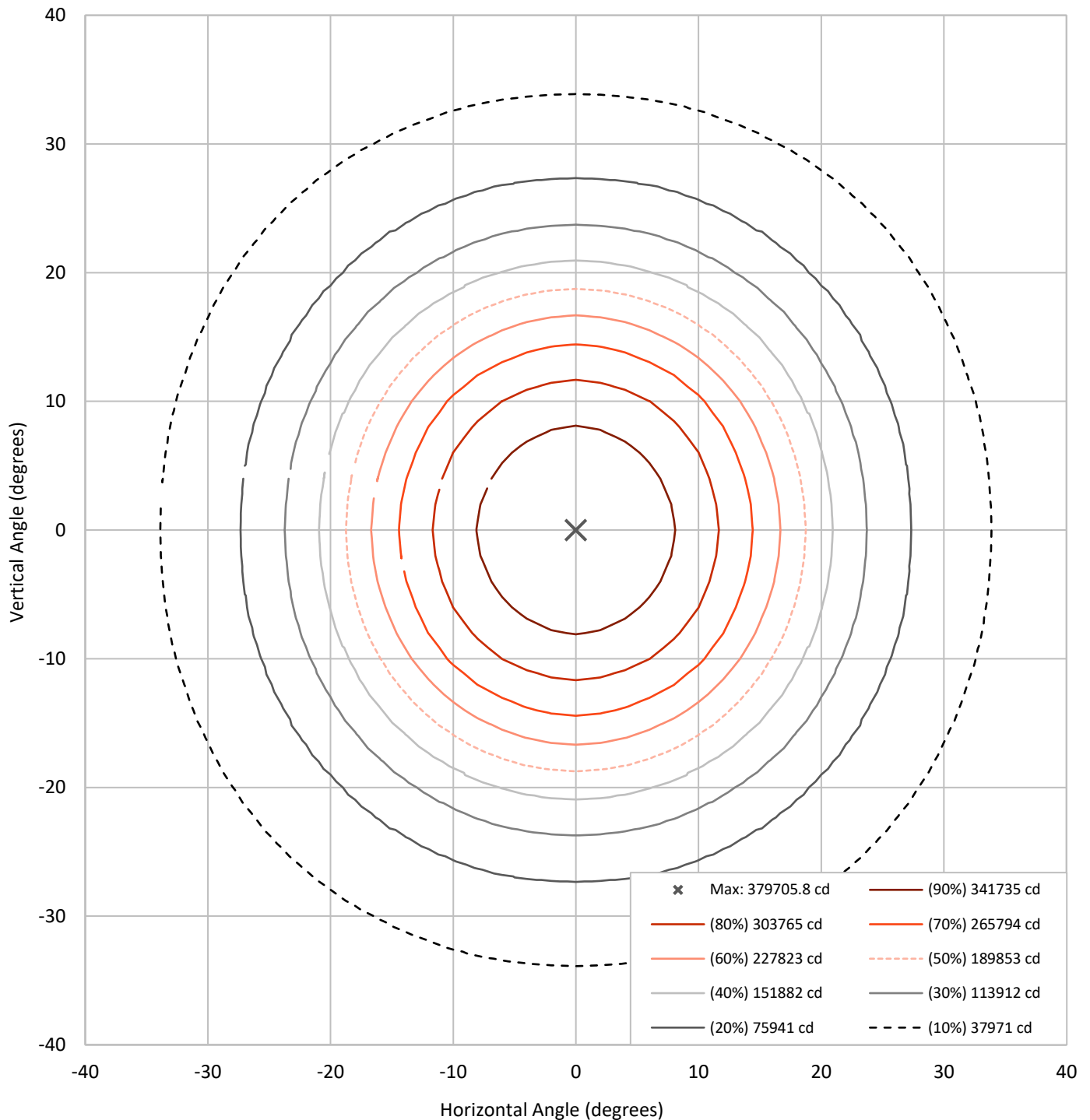
Test Method: LM-79-08  
Report Number: P1306495 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200L-57-80-4S-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	181202.8 lumens	Max Intensity:	379705.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.2 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	37.5°H x 37.5°V	Field Angle (10%):	67.8°H x 67.8°V
Beam Lumens:	92189 lumens	Field Lumens:	159423.6 lumens
Beam Efficiency:	50.9%	Field Efficiency:	88.0%
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





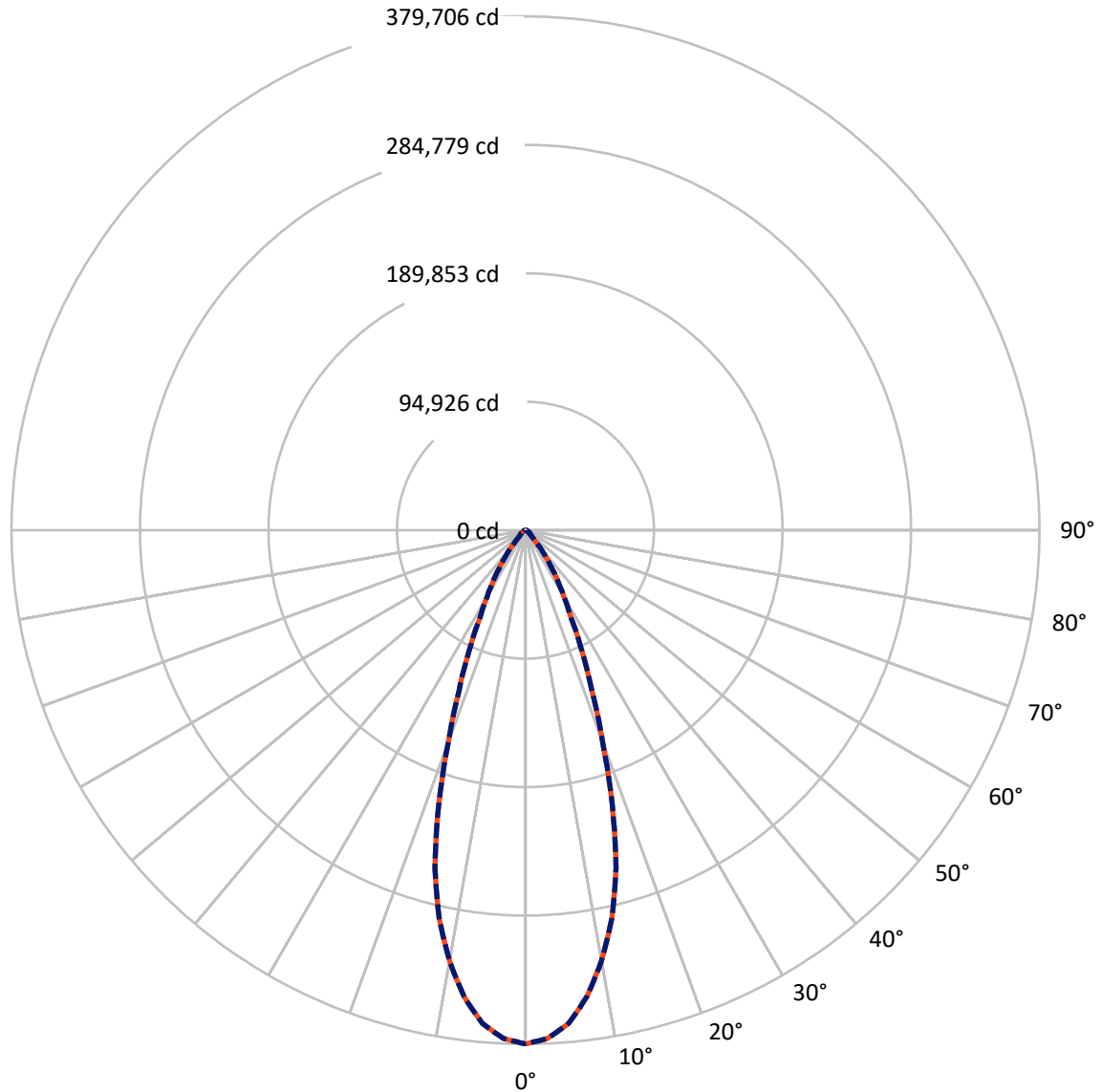
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### Lumen Table

90	0.1	1.1	5.9	14.9	19.5	14.9	5.9	1.1	0.1							
80	0.1	1.1	5.9	14.9	19.5	14.9	5.9	1.1	0.1							
70	0.5	0.9	3.9	10.7	21.4	33.7	44.3	50.2	50.2	44.3	33.7	21.4	10.7	3.9	0.9	0.5
60		2.9	12.5	31.6	56.9	81.5	100.6	111.3	111.3	100.6	81.5	56.9	31.6	12.5	2.9	
50	2.1	6.6	25.8	58.1	94.4	134.5	187.0	236.3	236.3	187.0	134.5	94.4	58.1	25.8	6.6	2.1
40		11.4	40.3	81.7	143.9	342.0	708.6	992.8	992.8	708.6	342.0	143.9	81.7	40.3	11.4	
30	4.4	16.2	52.1	105.4	311.1	965.0	1959.8	2922.9	2922.9	1959.8	965.0	311.1	105.4	52.1	16.2	4.4
20		20.0	60.3	138.4	607.1	1845.8	4457.4	7136.4	7136.4	4457.4	1845.8	607.1	138.4	60.3	20.0	
10	5.5	22.0	64.7	170.4	825.4	2676.1	6934.4	10342.2	10342.2	6934.4	2676.1	825.4	170.4	64.7	22.0	5.5
0		22.0	64.7	170.4	825.4	2676.1	6934.4	10342.2	10342.2	6934.4	2676.1	825.4	170.4	64.7	22.0	
-10	4.4	20.0	60.3	138.4	607.1	1845.8	4457.4	7136.4	7136.4	4457.4	1845.8	607.1	138.4	60.3	20.0	4.4
-20		16.2	52.1	105.4	311.1	965.0	1959.8	2922.9	2922.9	1959.8	965.0	311.1	105.4	52.1	16.2	
-30	2.1	11.4	40.3	81.7	143.9	342.0	708.6	992.8	992.8	708.6	342.0	143.9	81.7	40.3	11.4	2.1
-40		6.6	25.8	58.1	94.4	134.5	187.0	236.3	236.3	187.0	134.5	94.4	58.1	25.8	6.6	
-50	0.5	2.9	12.5	31.6	56.9	81.5	100.6	111.3	111.3	100.6	81.5	56.9	31.6	12.5	2.9	0.5
-60		0.9	3.9	10.7	21.4	33.7	44.3	50.2	50.2	44.3	33.7	21.4	10.7	3.9	0.9	
-70	0.1	1.1	5.9	14.9	19.5	14.9	5.9	1.1	0.1							
-80		0.1	1.1	5.9	14.9	19.5	14.9	5.9	1.1	0.1						
-90	0.1	1.1	5.9	14.9	19.5	14.9	5.9	1.1	0.1							

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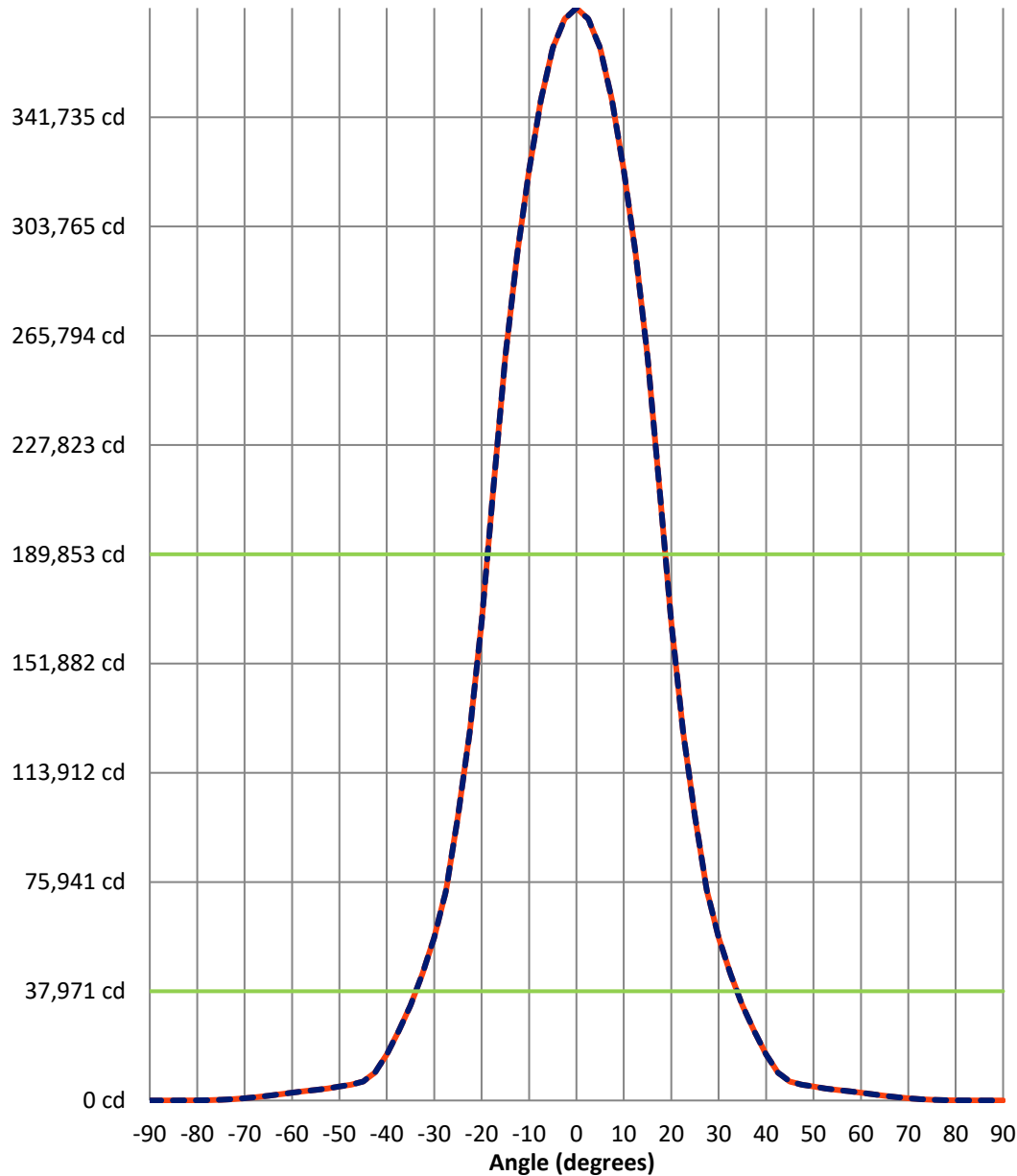
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 37.5°  
V Angle: 37.5°  
Lumens: 92189  
Efficiency: 50.9%

**Field:**  
H Angle: 67.8°  
V Angle: 67.8°  
Lumens: 159423.6  
Efficiency: 88.0%

**Spill:**  
Lumens: 21779.3  
Efficiency: 12.0%

— 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	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
85°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
82.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	3.0	3.9	4.8
80°	0.0	0.5	1.0	1.5	1.9	2.4	3.0	4.3	5.5	6.7	7.9
77.5°	0.0	0.6	1.2	1.8	2.4	3.4	4.9	6.5	8.0	9.6	12.0
75°	0.0	0.7	1.4	2.2	3.0	4.9	6.8	8.7	10.8	14.9	18.9
72.5°	0.0	0.8	1.7	2.5	4.3	6.5	8.7	11.6	16.4	21.1	25.8
70°	0.0	1.0	1.9	3.0	5.5	8.0	10.8	16.4	21.8	27.3	34.1
67.5°	0.0	1.1	2.1	3.9	6.7	9.6	14.9	21.1	27.3	35.1	42.7
65°	0.0	1.2	2.4	4.8	7.9	12.0	18.9	25.8	34.1	42.7	56.9
62.5°	0.0	1.3	2.6	5.7	9.1	15.2	22.8	31.3	40.8	53.8	84.3
60°	0.0	1.4	2.8	6.5	10.2	18.4	26.7	37.0	47.4	78.0	111.2
57.5°	0.0	1.5	3.4	7.4	12.7	21.6	31.4	42.6	65.5	101.8	153.2
55°	0.0	1.6	3.9	8.2	15.1	24.6	36.1	48.1	86.1	129.4	201.6
52.5°	0.0	1.7	4.4	9.0	17.5	27.7	40.6	64.3	106.1	171.8	248.7
50°	0.0	1.8	4.9	9.7	19.8	31.4	45.0	81.3	130.5	212.9	316.4
47.5°	0.0	1.9	5.4	10.7	22.0	34.9	50.7	97.7	165.8	252.7	384.5
45°	0.0	2.0	5.9	12.3	24.1	38.4	64.2	113.4	199.8	311.2	450.3
42.5°	0.0	2.1	6.4	13.8	26.1	41.6	77.2	136.3	232.5	367.9	542.3
40°	0.0	2.1	6.8	15.3	28.3	44.8	89.5	163.6	269.2	422.2	635.2
37.5°	0.0	2.2	7.2	16.6	30.7	47.7	101.3	189.5	314.9	481.5	723.8
35°	0.0	2.3	7.6	17.9	33.0	54.7	112.4	214.0	358.2	556.7	816.0
32.5°	0.0	2.4	7.9	19.2	35.1	63.4	125.6	237.1	399.0	627.6	915.3
30°	0.0	2.4	8.3	20.3	37.0	71.6	144.0	261.4	437.2	694.1	1008.3
27.5°	0.0	2.5	8.6	21.4	38.9	79.1	161.1	292.3	479.8	755.8	1095.0
25°	0.0	2.5	8.9	22.4	40.5	86.0	176.9	320.7	530.0	822.2	1175.6
22.5°	0.0	2.6	9.2	23.2	42.1	92.4	191.2	346.7	575.9	887.3	1262.6
20°	0.0	2.6	9.4	24.0	43.4	98.0	204.2	370.0	617.3	946.1	1341.2
17.5°	0.0	2.7	9.6	24.8	44.7	103.1	215.6	390.8	654.0	998.3	1411.1
15°	0.0	2.7	9.8	25.4	45.7	107.5	225.6	408.9	686.0	1043.9	1472.1
12.5°	0.0	2.7	9.9	25.9	46.6	111.2	234.1	424.3	713.3	1082.7	1524.0
10°	0.0	2.8	10.1	26.3	47.4	114.3	241.1	436.9	735.7	1114.6	1566.8
7.5°	0.0	2.8	10.2	26.7	48.0	116.7	246.6	446.8	753.1	1139.5	1600.1
5°	0.0	2.8	10.2	26.9	48.4	118.4	250.5	453.8	765.7	1157.3	1624.0
2.5°	0.0	2.8	10.3	27.1	48.6	119.5	252.8	458.1	773.2	1168.0	1638.4
0°	0.0	2.8	10.3	27.1	48.7	119.8	253.6	459.5	775.7	1171.6	1643.2
-2.5°	0.0	2.8	10.3	27.1	48.6	119.5	252.8	458.1	773.2	1168.0	1638.4
-5°	0.0	2.8	10.2	26.9	48.4	118.4	250.5	453.8	765.7	1157.3	1624.0
-7.5°	0.0	2.8	10.2	26.7	48.0	116.7	246.6	446.8	753.1	1139.5	1600.1
-10°	0.0	2.8	10.1	26.3	47.4	114.3	241.1	436.9	735.7	1114.6	1566.8
-12.5°	0.0	2.7	9.9	25.9	46.6	111.2	234.1	424.3	713.3	1082.7	1524.0
-15°	0.0	2.7	9.8	25.4	45.7	107.5	225.6	408.9	686.0	1043.9	1472.1
-17.5°	0.0	2.7	9.6	24.8	44.7	103.1	215.6	390.8	654.0	998.3	1411.1
-20°	0.0	2.6	9.4	24.0	43.4	98.0	204.2	370.0	617.3	946.1	1341.2



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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	2.6	9.2	23.2	42.1	92.4	191.2	346.7	575.9	887.3	1262.6
-25°	0.0	2.5	8.9	22.4	40.5	86.0	176.9	320.7	530.0	822.2	1175.6
-27.5°	0.0	2.5	8.6	21.4	38.9	79.1	161.1	292.3	479.8	755.8	1095.0
-30°	0.0	2.4	8.3	20.3	37.0	71.6	144.0	261.4	437.2	694.1	1008.3
-32.5°	0.0	2.4	7.9	19.2	35.1	63.4	125.6	237.1	399.0	627.6	915.3
-35°	0.0	2.3	7.6	17.9	33.0	54.7	112.4	214.0	358.2	556.7	816.0
-37.5°	0.0	2.2	7.2	16.6	30.7	47.7	101.3	189.5	314.9	481.5	723.8
-40°	0.0	2.1	6.8	15.3	28.3	44.8	89.5	163.6	269.2	422.2	635.2
-42.5°	0.0	2.1	6.4	13.8	26.1	41.6	77.2	136.3	232.5	367.9	542.3
-45°	0.0	2.0	5.9	12.3	24.1	38.4	64.2	113.4	199.8	311.2	450.3
-47.5°	0.0	1.9	5.4	10.7	22.0	34.9	50.7	97.7	165.8	252.7	384.5
-50°	0.0	1.8	4.9	9.7	19.8	31.4	45.0	81.3	130.5	212.9	316.4
-52.5°	0.0	1.7	4.4	9.0	17.5	27.7	40.6	64.3	106.1	171.8	248.7
-55°	0.0	1.6	3.9	8.2	15.1	24.6	36.1	48.1	86.1	129.4	201.6
-57.5°	0.0	1.5	3.4	7.4	12.7	21.6	31.4	42.6	65.5	101.8	153.2
-60°	0.0	1.4	2.8	6.5	10.2	18.4	26.7	37.0	47.4	78.0	111.2
-62.5°	0.0	1.3	2.6	5.7	9.1	15.2	22.8	31.3	40.8	53.8	84.3
-65°	0.0	1.2	2.4	4.8	7.9	12.0	18.9	25.8	34.1	42.7	56.9
-67.5°	0.0	1.1	2.1	3.9	6.7	9.6	14.9	21.1	27.3	35.1	42.7
-70°	0.0	1.0	1.9	3.0	5.5	8.0	10.8	16.4	21.8	27.3	34.1
-72.5°	0.0	0.8	1.7	2.5	4.3	6.5	8.7	11.6	16.4	21.1	25.8
-75°	0.0	0.7	1.4	2.2	3.0	4.9	6.8	8.7	10.8	14.9	18.9
-77.5°	0.0	0.6	1.2	1.8	2.4	3.4	4.9	6.5	8.0	9.6	12.0
-80°	0.0	0.5	1.0	1.5	1.9	2.4	3.0	4.3	5.5	6.7	7.9
-82.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	3.0	3.9	4.8
-85°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
-87.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-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-LS16-1200L-57-80-4S-A

**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°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2
85°	2.6	2.8	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.8	7.2
82.5°	5.7	6.5	7.4	8.2	9.0	9.7	10.7	12.3	13.8	15.3	16.6
80°	9.1	10.2	12.7	15.1	17.5	19.8	22.0	24.1	26.1	28.3	30.7
77.5°	15.2	18.4	21.6	24.6	27.7	31.4	34.9	38.4	41.6	44.8	47.7
75°	22.8	26.7	31.4	36.1	40.6	45.0	50.7	64.2	77.2	89.5	101.3
72.5°	31.3	37.0	42.6	48.1	64.3	81.3	97.7	113.4	136.3	163.6	189.5
70°	40.8	47.4	65.5	86.1	106.1	130.5	165.8	199.8	232.5	269.2	314.9
67.5°	53.8	78.0	101.8	129.4	171.8	212.9	252.7	311.2	367.9	422.2	481.5
65°	84.3	111.2	153.2	201.6	248.7	316.4	384.5	450.3	542.3	635.2	723.8
62.5°	114.4	165.2	219.6	283.1	362.8	440.2	545.1	656.4	763.5	888.9	1011.6
60°	165.2	225.6	301.7	390.8	487.4	617.3	743.1	887.3	1034.1	1175.6	1335.8
57.5°	219.6	301.7	400.2	516.4	660.9	808.1	979.1	1144.6	1329.5	1512.1	1692.0
55°	283.1	390.8	516.4	675.5	844.8	1034.6	1228.0	1440.9	1646.8	1868.4	2080.6
52.5°	362.8	487.4	660.9	844.8	1053.2	1272.7	1508.3	1748.2	1996.0	2236.6	2472.3
50°	440.2	617.3	808.1	1034.6	1272.7	1530.9	1799.3	2073.4	2343.7	2607.3	2851.1
47.5°	545.1	743.1	979.1	1228.0	1508.3	1799.3	2099.3	2397.6	2689.1	2954.1	3207.3
45°	656.4	887.3	1144.6	1440.9	1748.2	2073.4	2397.6	2716.5	3006.0	3279.1	3517.9
42.5°	763.5	1034.1	1329.5	1646.8	1996.0	2343.7	2689.1	3006.0	3302.5	3565.3	3832.0
40°	888.9	1175.6	1512.1	1868.4	2236.6	2607.3	2954.1	3279.1	3565.3	3858.4	4151.6
37.5°	1011.6	1335.8	1692.0	2080.6	2472.3	2851.1	3207.3	3517.9	3832.0	4151.6	4590.1
35°	1128.0	1488.2	1878.4	2286.1	2697.3	3077.3	3423.8	3753.3	4097.9	4550.6	5004.4
32.5°	1250.7	1632.2	2054.8	2483.5	2898.1	3284.6	3628.0	3991.5	4433.0	4932.0	5375.2
30°	1373.6	1782.5	2222.1	2669.4	3086.4	3464.2	3834.2	4239.5	4779.7	5264.6	5897.9
27.5°	1488.2	1924.0	2381.7	2835.0	3258.3	3632.6	4031.9	4544.5	5082.7	5636.0	6482.7
25°	1594.0	2054.8	2529.4	2985.5	3402.9	3799.4	4237.9	4829.1	5357.6	6149.5	7815.9
22.5°	1696.5	2174.6	2664.7	3123.6	3535.8	3956.4	4481.5	5069.4	5693.4	6666.8	9262.0
20°	1794.5	2286.1	2782.6	3246.1	3656.4	4099.0	4703.2	5284.9	6098.4	7900.5	11491.2
17.5°	1881.7	2385.5	2884.7	3345.0	3772.1	4253.1	4898.8	5478.4	6462.9	9013.6	13930.5
15°	1957.9	2472.3	2974.0	3431.5	3875.0	4413.9	5055.8	5757.5	7114.7	10288.0	16111.0
12.5°	2022.9	2546.4	3050.2	3505.4	3963.0	4551.5	5190.4	6012.1	7895.9	12008.6	18506.2
10°	2076.3	2607.3	3112.9	3566.3	4035.6	4665.2	5301.7	6223.0	8543.8	13438.3	20500.8
7.5°	2118.0	2654.9	3162.0	3613.9	4092.4	4754.3	5389.0	6388.6	9053.3	14564.4	22074.9
5°	2147.9	2689.1	3197.2	3648.1	4133.2	4818.3	5451.7	6507.7	9420.4	15376.7	23211.9
2.5°	2165.9	2709.6	3218.4	3668.7	4157.8	4856.8	5489.6	6579.6	9641.9	15867.2	23899.3
0°	2171.9	2716.5	3225.5	3675.6	4166.0	4869.7	5502.2	6603.6	9715.9	16031.3	24129.3
-2.5°	2165.9	2709.6	3218.4	3668.7	4157.8	4856.8	5489.6	6579.6	9641.9	15867.2	23899.3
-5°	2147.9	2689.1	3197.2	3648.1	4133.2	4818.3	5451.7	6507.7	9420.4	15376.7	23211.9
-7.5°	2118.0	2654.9	3162.0	3613.9	4092.4	4754.3	5389.0	6388.6	9053.3	14564.4	22074.9
-10°	2076.3	2607.3	3112.9	3566.3	4035.6	4665.2	5301.7	6223.0	8543.8	13438.3	20500.8
-12.5°	2022.9	2546.4	3050.2	3505.4	3963.0	4551.5	5190.4	6012.1	7895.9	12008.6	18506.2
-15°	1957.9	2472.3	2974.0	3431.5	3875.0	4413.9	5055.8	5757.5	7114.7	10288.0	16111.0
-17.5°	1881.7	2385.5	2884.7	3345.0	3772.1	4253.1	4898.8	5478.4	6462.9	9013.6	13930.5
-20°	1794.5	2286.1	2782.6	3246.1	3656.4	4099.0	4703.2	5284.9	6098.4	7900.5	11491.2



REPORT NUMBER: P1306495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-4S-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1696.5	2174.6	2664.7	3123.6	3535.8	3956.4	4481.5	5069.4	5693.4	6666.8	9262.0
-25°	1594.0	2054.8	2529.4	2985.5	3402.9	3799.4	4237.9	4829.1	5357.6	6149.5	7815.9
-27.5°	1488.2	1924.0	2381.7	2835.0	3258.3	3632.6	4031.9	4544.5	5082.7	5636.0	6482.7
-30°	1373.6	1782.5	2222.1	2669.4	3086.4	3464.2	3834.2	4239.5	4779.7	5264.6	5897.9
-32.5°	1250.7	1632.2	2054.8	2483.5	2898.1	3284.6	3628.0	3991.5	4433.0	4932.0	5375.2
-35°	1128.0	1488.2	1878.4	2286.1	2697.3	3077.3	3423.8	3753.3	4097.9	4550.6	5004.4
-37.5°	1011.6	1335.8	1692.0	2080.6	2472.3	2851.1	3207.3	3517.9	3832.0	4151.6	4590.1
-40°	888.9	1175.6	1512.1	1868.4	2236.6	2607.3	2954.1	3279.1	3565.3	3858.4	4151.6
-42.5°	763.5	1034.1	1329.5	1646.8	1996.0	2343.7	2689.1	3006.0	3302.5	3565.3	3832.0
-45°	656.4	887.3	1144.6	1440.9	1748.2	2073.4	2397.6	2716.5	3006.0	3279.1	3517.9
-47.5°	545.1	743.1	979.1	1228.0	1508.3	1799.3	2099.3	2397.6	2689.1	2954.1	3207.3
-50°	440.2	617.3	808.1	1034.6	1272.7	1530.9	1799.3	2073.4	2343.7	2607.3	2851.1
-52.5°	362.8	487.4	660.9	844.8	1053.2	1272.7	1508.3	1748.2	1996.0	2236.6	2472.3
-55°	283.1	390.8	516.4	675.5	844.8	1034.6	1228.0	1440.9	1646.8	1868.4	2080.6
-57.5°	219.6	301.7	400.2	516.4	660.9	808.1	979.1	1144.6	1329.5	1512.1	1692.0
-60°	165.2	225.6	301.7	390.8	487.4	617.3	743.1	887.3	1034.1	1175.6	1335.8
-62.5°	114.4	165.2	219.6	283.1	362.8	440.2	545.1	656.4	763.5	888.9	1011.6
-65°	84.3	111.2	153.2	201.6	248.7	316.4	384.5	450.3	542.3	635.2	723.8
-67.5°	53.8	78.0	101.8	129.4	171.8	212.9	252.7	311.2	367.9	422.2	481.5
-70°	40.8	47.4	65.5	86.1	106.1	130.5	165.8	199.8	232.5	269.2	314.9
-72.5°	31.3	37.0	42.6	48.1	64.3	81.3	97.7	113.4	136.3	163.6	189.5
-75°	22.8	26.7	31.4	36.1	40.6	45.0	50.7	64.2	77.2	89.5	101.3
-77.5°	15.2	18.4	21.6	24.6	27.7	31.4	34.9	38.4	41.6	44.8	47.7
-80°	9.1	10.2	12.7	15.1	17.5	19.8	22.0	24.1	26.1	28.3	30.7
-82.5°	5.7	6.5	7.4	8.2	9.0	9.7	10.7	12.3	13.8	15.3	16.6
-85°	2.6	2.8	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.8	7.2
-87.5°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2
-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: P1306495 (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°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8
85°	7.6	7.9	8.3	8.6	8.9	9.2	9.4	9.6	9.8	9.9	10.1
82.5°	17.9	19.2	20.3	21.4	22.4	23.2	24.0	24.8	25.4	25.9	26.3
80°	33.0	35.1	37.0	38.9	40.5	42.1	43.4	44.7	45.7	46.6	47.4
77.5°	54.7	63.4	71.6	79.1	86.0	92.4	98.0	103.1	107.5	111.2	114.3
75°	112.4	125.6	144.0	161.1	176.9	191.2	204.2	215.6	225.6	234.1	241.1
72.5°	214.0	237.1	261.4	292.3	320.7	346.7	370.0	390.8	408.9	424.3	436.9
70°	358.2	399.0	437.2	479.8	530.0	575.9	617.3	654.0	686.0	713.3	735.7
67.5°	556.7	627.6	694.1	755.8	822.2	887.3	946.1	998.3	1043.9	1082.7	1114.6
65°	816.0	915.3	1008.3	1095.0	1175.6	1262.6	1341.2	1411.1	1472.1	1524.0	1566.8
62.5°	1128.0	1250.7	1373.6	1488.2	1594.0	1696.5	1794.5	1881.7	1957.9	2022.9	2076.3
60°	1488.2	1632.2	1782.5	1924.0	2054.8	2174.6	2286.1	2385.5	2472.3	2546.4	2607.3
57.5°	1878.4	2054.8	2222.1	2381.7	2529.4	2664.7	2782.6	2884.7	2974.0	3050.2	3112.9
55°	2286.1	2483.5	2669.4	2835.0	2985.5	3123.6	3246.1	3345.0	3431.5	3505.4	3566.3
52.5°	2697.3	2898.1	3086.4	3258.3	3402.9	3535.8	3656.4	3772.1	3875.0	3963.0	4035.6
50°	3077.3	3284.6	3464.2	3632.6	3799.4	3956.4	4099.0	4253.1	4413.9	4551.5	4665.2
47.5°	3423.8	3628.0	3834.2	4031.9	4237.9	4481.5	4703.2	4898.8	5055.8	5190.4	5301.7
45°	3753.3	3991.5	4239.5	4544.5	4829.1	5069.4	5284.9	5478.4	5757.5	6012.1	6223.0
42.5°	4097.9	4433.0	4779.7	5082.7	5357.6	5693.4	6098.4	6462.9	7114.7	7895.9	8543.8
40°	4550.6	4932.0	5264.6	5636.0	6149.5	6666.8	7900.5	9013.6	10288.0	12008.6	13438.3
37.5°	5004.4	5375.2	5897.9	6482.7	7815.9	9262.0	11491.2	13930.5	16111.0	18506.2	20500.8
35°	5412.4	6030.3	6836.0	8597.8	10818.8	13966.7	17105.2	20482.5	23486.5	26298.6	28704.3
32.5°	6030.3	7028.8	8993.6	12054.7	15655.3	19875.1	23878.1	27889.0	31493.7	34952.9	38136.7
30°	6836.0	8993.6	12470.4	16647.4	21570.6	26424.8	31190.7	36074.1	40816.7	45119.1	49179.1
27.5°	8597.8	12054.7	16647.4	22141.6	27732.8	33244.1	39457.8	45369.9	51375.3	56643.0	62395.1
25°	10818.8	15655.3	21570.6	27732.8	34073.8	41182.4	48502.1	55701.0	63862.3	71314.9	80204.7
22.5°	13966.7	19875.1	26424.8	33244.1	41182.4	49561.1	58281.3	68344.1	80022.6	92769.6	104424.9
20°	17105.2	23878.1	31190.7	39457.8	48502.1	58281.3	69864.2	85013.7	100911.4	117014.5	131723.8
17.5°	20482.5	27889.0	36074.1	45369.9	55701.0	68344.1	85013.7	103989.4	123541.5	145098.6	165128.3
15°	23486.5	31493.7	40816.7	51375.3	63862.3	80022.6	100911.4	123541.5	149686.1	176923.4	204434.9
12.5°	26298.6	34952.9	45119.1	56643.0	71314.9	92769.6	117014.5	145098.6	176923.4	211116.8	241091.9
10°	28704.3	38136.7	49179.1	62395.1	80204.7	104424.9	131723.8	165128.3	204434.9	241091.9	271853.1
7.5°	30607.1	40661.9	52410.4	66997.8	88146.8	114575.6	146402.4	185164.8	227051.8	265256.6	294399.1
5°	31984.0	42493.3	54760.2	70356.6	93968.2	122059.0	157307.7	200411.4	244079.3	281237.3	310423.2
2.5°	32817.5	43603.6	56187.6	72401.9	97524.5	126650.1	164037.0	209896.7	254800.3	290916.7	319897.7
0°	33096.6	43975.7	56666.4	73088.8	98720.9	128198.1	166313.1	213119.5	258467.9	294099.5	323177.0
-2.5°	32817.5	43603.6	56187.6	72401.9	97524.5	126650.1	164037.0	209896.7	254800.3	290916.7	319897.7
-5°	31984.0	42493.3	54760.2	70356.6	93968.2	122059.0	157307.7	200411.4	244079.3	281237.3	310423.2
-7.5°	30607.1	40661.9	52410.4	66997.8	88146.8	114575.6	146402.4	185164.8	227051.8	265256.6	294399.1
-10°	28704.3	38136.7	49179.1	62395.1	80204.7	104424.9	131723.8	165128.3	204434.9	241091.9	271853.1
-12.5°	26298.6	34952.9	45119.1	56643.0	71314.9	92769.6	117014.5	145098.6	176923.4	211116.8	241091.9
-15°	23486.5	31493.7	40816.7	51375.3	63862.3	80022.6	100911.4	123541.5	149686.1	176923.4	204434.9
-17.5°	20482.5	27889.0	36074.1	45369.9	55701.0	68344.1	85013.7	103989.4	123541.5	145098.6	165128.3
-20°	17105.2	23878.1	31190.7	39457.8	48502.1	58281.3	69864.2	85013.7	100911.4	117014.5	131723.8



REPORT NUMBER: P1306495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-4S-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13966.7	19875.1	26424.8	33244.1	41182.4	49561.1	58281.3	68344.1	80022.6	92769.6	104424.9
-25°	10818.8	15655.3	21570.6	27732.8	34073.8	41182.4	48502.1	55701.0	63862.3	71314.9	80204.7
-27.5°	8597.8	12054.7	16647.4	22141.6	27732.8	33244.1	39457.8	45369.9	51375.3	56643.0	62395.1
-30°	6836.0	8993.6	12470.4	16647.4	21570.6	26424.8	31190.7	36074.1	40816.7	45119.1	49179.1
-32.5°	6030.3	7028.8	8993.6	12054.7	15655.3	19875.1	23878.1	27889.0	31493.7	34952.9	38136.7
-35°	5412.4	6030.3	6836.0	8597.8	10818.8	13966.7	17105.2	20482.5	23486.5	26298.6	28704.3
-37.5°	5004.4	5375.2	5897.9	6482.7	7815.9	9262.0	11491.2	13930.5	16111.0	18506.2	20500.8
-40°	4550.6	4932.0	5264.6	5636.0	6149.5	6666.8	7900.5	9013.6	10288.0	12008.6	13438.3
-42.5°	4097.9	4433.0	4779.7	5082.7	5357.6	5693.4	6098.4	6462.9	7114.7	7895.9	8543.8
-45°	3753.3	3991.5	4239.5	4544.5	4829.1	5069.4	5284.9	5478.4	5757.5	6012.1	6223.0
-47.5°	3423.8	3628.0	3834.2	4031.9	4237.9	4481.5	4703.2	4898.8	5055.8	5190.4	5301.7
-50°	3077.3	3284.6	3464.2	3632.6	3799.4	3956.4	4099.0	4253.1	4413.9	4551.5	4665.2
-52.5°	2697.3	2898.1	3086.4	3258.3	3402.9	3535.8	3656.4	3772.1	3875.0	3963.0	4035.6
-55°	2286.1	2483.5	2669.4	2835.0	2985.5	3123.6	3246.1	3345.0	3431.5	3505.4	3566.3
-57.5°	1878.4	2054.8	2222.1	2381.7	2529.4	2664.7	2782.6	2884.7	2974.0	3050.2	3112.9
-60°	1488.2	1632.2	1782.5	1924.0	2054.8	2174.6	2286.1	2385.5	2472.3	2546.4	2607.3
-62.5°	1128.0	1250.7	1373.6	1488.2	1594.0	1696.5	1794.5	1881.7	1957.9	2022.9	2076.3
-65°	816.0	915.3	1008.3	1095.0	1175.6	1262.6	1341.2	1411.1	1472.1	1524.0	1566.8
-67.5°	556.7	627.6	694.1	755.8	822.2	887.3	946.1	998.3	1043.9	1082.7	1114.6
-70°	358.2	399.0	437.2	479.8	530.0	575.9	617.3	654.0	686.0	713.3	735.7
-72.5°	214.0	237.1	261.4	292.3	320.7	346.7	370.0	390.8	408.9	424.3	436.9
-75°	112.4	125.6	144.0	161.1	176.9	191.2	204.2	215.6	225.6	234.1	241.1
-77.5°	54.7	63.4	71.6	79.1	86.0	92.4	98.0	103.1	107.5	111.2	114.3
-80°	33.0	35.1	37.0	38.9	40.5	42.1	43.4	44.7	45.7	46.6	47.4
-82.5°	17.9	19.2	20.3	21.4	22.4	23.2	24.0	24.8	25.4	25.9	26.3
-85°	7.6	7.9	8.3	8.6	8.9	9.2	9.4	9.6	9.8	9.9	10.1
-87.5°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	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



REPORT NUMBER: P1306495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-4S-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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
85°	10.2	10.2	10.3	10.3	10.3	10.2	10.2	10.1	9.9	9.8	9.6
82.5°	26.7	26.9	27.1	27.1	27.1	26.9	26.7	26.3	25.9	25.4	24.8
80°	48.0	48.4	48.6	48.7	48.6	48.4	48.0	47.4	46.6	45.7	44.7
77.5°	116.7	118.4	119.5	119.8	119.5	118.4	116.7	114.3	111.2	107.5	103.1
75°	246.6	250.5	252.8	253.6	252.8	250.5	246.6	241.1	234.1	225.6	215.6
72.5°	446.8	453.8	458.1	459.5	458.1	453.8	446.8	436.9	424.3	408.9	390.8
70°	753.1	765.7	773.2	775.7	773.2	765.7	753.1	735.7	713.3	686.0	654.0
67.5°	1139.5	1157.3	1168.0	1171.6	1168.0	1157.3	1139.5	1114.6	1082.7	1043.9	998.3
65°	1600.1	1624.0	1638.4	1643.2	1638.4	1624.0	1600.1	1566.8	1524.0	1472.1	1411.1
62.5°	2118.0	2147.9	2165.9	2171.9	2165.9	2147.9	2118.0	2076.3	2022.9	1957.9	1881.7
60°	2654.9	2689.1	2709.6	2716.5	2709.6	2689.1	2654.9	2607.3	2546.4	2472.3	2385.5
57.5°	3162.0	3197.2	3218.4	3225.5	3218.4	3197.2	3162.0	3112.9	3050.2	2974.0	2884.7
55°	3613.9	3648.1	3668.7	3675.6	3668.7	3648.1	3613.9	3566.3	3505.4	3431.5	3345.0
52.5°	4092.4	4133.2	4157.8	4166.0	4157.8	4133.2	4092.4	4035.6	3963.0	3875.0	3772.1
50°	4754.3	4818.3	4856.8	4869.7	4856.8	4818.3	4754.3	4665.2	4551.5	4413.9	4253.1
47.5°	5389.0	5451.7	5489.6	5502.2	5489.6	5451.7	5389.0	5301.7	5190.4	5055.8	4898.8
45°	6388.6	6507.7	6579.6	6603.6	6579.6	6507.7	6388.6	6223.0	6012.1	5757.5	5478.4
42.5°	9053.3	9420.4	9641.9	9715.9	9641.9	9420.4	9053.3	8543.8	7895.9	7114.7	6462.9
40°	14564.4	15376.7	15867.2	16031.3	15867.2	15376.7	14564.4	13438.3	12008.6	10288.0	9013.6
37.5°	22074.9	23211.9	23899.3	24129.3	23899.3	23211.9	22074.9	20500.8	18506.2	16111.0	13930.5
35°	30607.1	31984.0	32817.5	33096.6	32817.5	31984.0	30607.1	28704.3	26298.6	23486.5	20482.5
32.5°	40661.9	42493.3	43603.6	43975.7	43603.6	42493.3	40661.9	38136.7	34952.9	31493.7	27889.0
30°	52410.4	54760.2	56187.6	56666.4	56187.6	54760.2	52410.4	49179.1	45119.1	40816.7	36074.1
27.5°	66997.8	70356.6	72401.9	73088.8	72401.9	70356.6	66997.8	62395.1	56643.0	51375.3	45369.9
25°	88146.8	93968.2	97524.5	98720.9	97524.5	93968.2	88146.8	80204.7	71314.9	63862.3	55701.0
22.5°	114575.6	122059.0	126650.1	128198.1	126650.1	122059.0	114575.6	104424.9	92769.6	80022.6	68344.1
20°	146402.4	157307.7	164037.0	166313.1	164037.0	157307.7	146402.4	131723.8	117014.5	100911.4	85013.7
17.5°	185164.8	200411.4	209896.7	213119.5	209896.7	200411.4	185164.8	165128.3	145098.6	123541.5	103989.4
15°	227051.8	244079.3	254800.3	258467.9	254800.3	244079.3	227051.8	204434.9	176923.4	149686.1	123541.5
12.5°	265256.6	281237.3	290916.7	294099.5	290916.7	281237.3	265256.6	241091.9	211116.8	176923.4	145098.6
10°	294399.1	310423.2	319897.7	323177.0	319897.7	310423.2	294399.1	271853.1	241091.9	204434.9	165128.3
7.5°	316811.6	333553.4	344170.9	347655.0	344170.9	333553.4	316811.6	294399.1	265256.6	227051.8	185164.8
5°	333553.4	351398.1	362098.5	365752.8	362098.5	351398.1	333553.4	310423.2	281237.3	244079.3	200411.4
2.5°	344170.9	362098.5	372475.1	375864.6	372475.1	362098.5	344170.9	319897.7	290916.7	254800.3	209896.7
0°	347655.0	365752.8	375864.6	379705.8	375864.6	365752.8	347655.0	323177.0	294099.5	258467.9	213119.5
-2.5°	344170.9	362098.5	372475.1	375864.6	372475.1	362098.5	344170.9	319897.7	290916.7	254800.3	209896.7
-5°	333553.4	351398.1	362098.5	365752.8	362098.5	351398.1	333553.4	310423.2	281237.3	244079.3	200411.4
-7.5°	316811.6	333553.4	344170.9	347655.0	344170.9	333553.4	316811.6	294399.1	265256.6	227051.8	185164.8
-10°	294399.1	310423.2	319897.7	323177.0	319897.7	310423.2	294399.1	271853.1	241091.9	204434.9	165128.3
-12.5°	265256.6	281237.3	290916.7	294099.5	290916.7	281237.3	265256.6	241091.9	211116.8	176923.4	145098.6
-15°	227051.8	244079.3	254800.3	258467.9	254800.3	244079.3	227051.8	204434.9	176923.4	149686.1	123541.5
-17.5°	185164.8	200411.4	209896.7	213119.5	209896.7	200411.4	185164.8	165128.3	145098.6	123541.5	103989.4
-20°	146402.4	157307.7	164037.0	166313.1	164037.0	157307.7	146402.4	131723.8	117014.5	100911.4	85013.7



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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°	114575.6	122059.0	126650.1	128198.1	126650.1	122059.0	114575.6	104424.9	92769.6	80022.6	68344.1
-25°	88146.8	93968.2	97524.5	98720.9	97524.5	93968.2	88146.8	80204.7	71314.9	63862.3	55701.0
-27.5°	66997.8	70356.6	72401.9	73088.8	72401.9	70356.6	66997.8	62395.1	56643.0	51375.3	45369.9
-30°	52410.4	54760.2	56187.6	56666.4	56187.6	54760.2	52410.4	49179.1	45119.1	40816.7	36074.1
-32.5°	40661.9	42493.3	43603.6	43975.7	43603.6	42493.3	40661.9	38136.7	34952.9	31493.7	27889.0
-35°	30607.1	31984.0	32817.5	33096.6	32817.5	31984.0	30607.1	28704.3	26298.6	23486.5	20482.5
-37.5°	22074.9	23211.9	23899.3	24129.3	23899.3	23211.9	22074.9	20500.8	18506.2	16111.0	13930.5
-40°	14564.4	15376.7	15867.2	16031.3	15867.2	15376.7	14564.4	13438.3	12008.6	10288.0	9013.6
-42.5°	9053.3	9420.4	9641.9	9715.9	9641.9	9420.4	9053.3	8543.8	7895.9	7114.7	6462.9
-45°	6388.6	6507.7	6579.6	6603.6	6579.6	6507.7	6388.6	6223.0	6012.1	5757.5	5478.4
-47.5°	5389.0	5451.7	5489.6	5502.2	5489.6	5451.7	5389.0	5301.7	5190.4	5055.8	4898.8
-50°	4754.3	4818.3	4856.8	4869.7	4856.8	4818.3	4754.3	4665.2	4551.5	4413.9	4253.1
-52.5°	4092.4	4133.2	4157.8	4166.0	4157.8	4133.2	4092.4	4035.6	3963.0	3875.0	3772.1
-55°	3613.9	3648.1	3668.7	3675.6	3668.7	3648.1	3613.9	3566.3	3505.4	3431.5	3345.0
-57.5°	3162.0	3197.2	3218.4	3225.5	3218.4	3197.2	3162.0	3112.9	3050.2	2974.0	2884.7
-60°	2654.9	2689.1	2709.6	2716.5	2709.6	2689.1	2654.9	2607.3	2546.4	2472.3	2385.5
-62.5°	2118.0	2147.9	2165.9	2171.9	2165.9	2147.9	2118.0	2076.3	2022.9	1957.9	1881.7
-65°	1600.1	1624.0	1638.4	1643.2	1638.4	1624.0	1600.1	1566.8	1524.0	1472.1	1411.1
-67.5°	1139.5	1157.3	1168.0	1171.6	1168.0	1157.3	1139.5	1114.6	1082.7	1043.9	998.3
-70°	753.1	765.7	773.2	775.7	773.2	765.7	753.1	735.7	713.3	686.0	654.0
-72.5°	446.8	453.8	458.1	459.5	458.1	453.8	446.8	436.9	424.3	408.9	390.8
-75°	246.6	250.5	252.8	253.6	252.8	250.5	246.6	241.1	234.1	225.6	215.6
-77.5°	116.7	118.4	119.5	119.8	119.5	118.4	116.7	114.3	111.2	107.5	103.1
-80°	48.0	48.4	48.6	48.7	48.6	48.4	48.0	47.4	46.6	45.7	44.7
-82.5°	26.7	26.9	27.1	27.1	27.1	26.9	26.7	26.3	25.9	25.4	24.8
-85°	10.2	10.2	10.3	10.3	10.3	10.2	10.2	10.1	9.9	9.8	9.6
-87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
-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°	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
85°	9.4	9.2	8.9	8.6	8.3	7.9	7.6	7.2	6.8	6.4	5.9
82.5°	24.0	23.2	22.4	21.4	20.3	19.2	17.9	16.6	15.3	13.8	12.3
80°	43.4	42.1	40.5	38.9	37.0	35.1	33.0	30.7	28.3	26.1	24.1
77.5°	98.0	92.4	86.0	79.1	71.6	63.4	54.7	47.7	44.8	41.6	38.4
75°	204.2	191.2	176.9	161.1	144.0	125.6	112.4	101.3	89.5	77.2	64.2
72.5°	370.0	346.7	320.7	292.3	261.4	237.1	214.0	189.5	163.6	136.3	113.4
70°	617.3	575.9	530.0	479.8	437.2	399.0	358.2	314.9	269.2	232.5	199.8
67.5°	946.1	887.3	822.2	755.8	694.1	627.6	556.7	481.5	422.2	367.9	311.2
65°	1341.2	1262.6	1175.6	1095.0	1008.3	915.3	816.0	723.8	635.2	542.3	450.3
62.5°	1794.5	1696.5	1594.0	1488.2	1373.6	1250.7	1128.0	1011.6	888.9	763.5	656.4
60°	2286.1	2174.6	2054.8	1924.0	1782.5	1632.2	1488.2	1335.8	1175.6	1034.1	887.3
57.5°	2782.6	2664.7	2529.4	2381.7	2222.1	2054.8	1878.4	1692.0	1512.1	1329.5	1144.6
55°	3246.1	3123.6	2985.5	2835.0	2669.4	2483.5	2286.1	2080.6	1868.4	1646.8	1440.9
52.5°	3656.4	3535.8	3402.9	3258.3	3086.4	2898.1	2697.3	2472.3	2236.6	1996.0	1748.2
50°	4099.0	3956.4	3799.4	3632.6	3464.2	3284.6	3077.3	2851.1	2607.3	2343.7	2073.4
47.5°	4703.2	4481.5	4237.9	4031.9	3834.2	3628.0	3423.8	3207.3	2954.1	2689.1	2397.6
45°	5284.9	5069.4	4829.1	4544.5	4239.5	3991.5	3753.3	3517.9	3279.1	3006.0	2716.5
42.5°	6098.4	5693.4	5357.6	5082.7	4779.7	4433.0	4097.9	3832.0	3565.3	3302.5	3006.0
40°	7900.5	6666.8	6149.5	5636.0	5264.6	4932.0	4550.6	4151.6	3858.4	3565.3	3279.1
37.5°	11491.2	9262.0	7815.9	6482.7	5897.9	5375.2	5004.4	4590.1	4151.6	3832.0	3517.9
35°	17105.2	13966.7	10818.8	8597.8	6836.0	6030.3	5412.4	5004.4	4550.6	4097.9	3753.3
32.5°	23878.1	19875.1	15655.3	12054.7	8993.6	7028.8	6030.3	5375.2	4932.0	4433.0	3991.5
30°	31190.7	26424.8	21570.6	16647.4	12470.4	8993.6	6836.0	5897.9	5264.6	4779.7	4239.5
27.5°	39457.8	33244.1	27732.8	22141.6	16647.4	12054.7	8597.8	6482.7	5636.0	5082.7	4544.5
25°	48502.1	41182.4	34073.8	27732.8	21570.6	15655.3	10818.8	7815.9	6149.5	5357.6	4829.1
22.5°	58281.3	49561.1	41182.4	33244.1	26424.8	19875.1	13966.7	9262.0	6666.8	5693.4	5069.4
20°	69864.2	58281.3	48502.1	39457.8	31190.7	23878.1	17105.2	11491.2	7900.5	6098.4	5284.9
17.5°	85013.7	68344.1	55701.0	45369.9	36074.1	27889.0	20482.5	13930.5	9013.6	6462.9	5478.4
15°	100911.4	80022.6	63862.3	51375.3	40816.7	31493.7	23486.5	16111.0	10288.0	7114.7	5757.5
12.5°	117014.5	92769.6	71314.9	56643.0	45119.1	34952.9	26298.6	18506.2	12008.6	7895.9	6012.1
10°	131723.8	104424.9	80204.7	62395.1	49179.1	38136.7	28704.3	20500.8	13438.3	8543.8	6223.0
7.5°	146402.4	114575.6	88146.8	66997.8	52410.4	40661.9	30607.1	22074.9	14564.4	9053.3	6388.6
5°	157307.7	122059.0	93968.2	70356.6	54760.2	42493.3	31984.0	23211.9	15376.7	9420.4	6507.7
2.5°	164037.0	126650.1	97524.5	72401.9	56187.6	43603.6	32817.5	23899.3	15867.2	9641.9	6579.6
0°	166313.1	128198.1	98720.9	73088.8	56666.4	43975.7	33096.6	24129.3	16031.3	9715.9	6603.6
-2.5°	164037.0	126650.1	97524.5	72401.9	56187.6	43603.6	32817.5	23899.3	15867.2	9641.9	6579.6
-5°	157307.7	122059.0	93968.2	70356.6	54760.2	42493.3	31984.0	23211.9	15376.7	9420.4	6507.7
-7.5°	146402.4	114575.6	88146.8	66997.8	52410.4	40661.9	30607.1	22074.9	14564.4	9053.3	6388.6
-10°	131723.8	104424.9	80204.7	62395.1	49179.1	38136.7	28704.3	20500.8	13438.3	8543.8	6223.0
-12.5°	117014.5	92769.6	71314.9	56643.0	45119.1	34952.9	26298.6	18506.2	12008.6	7895.9	6012.1
-15°	100911.4	80022.6	63862.3	51375.3	40816.7	31493.7	23486.5	16111.0	10288.0	7114.7	5757.5
-17.5°	85013.7	68344.1	55701.0	45369.9	36074.1	27889.0	20482.5	13930.5	9013.6	6462.9	5478.4
-20°	69864.2	58281.3	48502.1	39457.8	31190.7	23878.1	17105.2	11491.2	7900.5	6098.4	5284.9



REPORT NUMBER: P1306495 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	58281.3	49561.1	41182.4	33244.1	26424.8	19875.1	13966.7	9262.0	6666.8	5693.4	5069.4
-25°	48502.1	41182.4	34073.8	27732.8	21570.6	15655.3	10818.8	7815.9	6149.5	5357.6	4829.1
-27.5°	39457.8	33244.1	27732.8	22141.6	16647.4	12054.7	8597.8	6482.7	5636.0	5082.7	4544.5
-30°	31190.7	26424.8	21570.6	16647.4	12470.4	8993.6	6836.0	5897.9	5264.6	4779.7	4239.5
-32.5°	23878.1	19875.1	15655.3	12054.7	8993.6	7028.8	6030.3	5375.2	4932.0	4433.0	3991.5
-35°	17105.2	13966.7	10818.8	8597.8	6836.0	6030.3	5412.4	5004.4	4550.6	4097.9	3753.3
-37.5°	11491.2	9262.0	7815.9	6482.7	5897.9	5375.2	5004.4	4590.1	4151.6	3832.0	3517.9
-40°	7900.5	6666.8	6149.5	5636.0	5264.6	4932.0	4550.6	4151.6	3858.4	3565.3	3279.1
-42.5°	6098.4	5693.4	5357.6	5082.7	4779.7	4433.0	4097.9	3832.0	3565.3	3302.5	3006.0
-45°	5284.9	5069.4	4829.1	4544.5	4239.5	3991.5	3753.3	3517.9	3279.1	3006.0	2716.5
-47.5°	4703.2	4481.5	4237.9	4031.9	3834.2	3628.0	3423.8	3207.3	2954.1	2689.1	2397.6
-50°	4099.0	3956.4	3799.4	3632.6	3464.2	3284.6	3077.3	2851.1	2607.3	2343.7	2073.4
-52.5°	3656.4	3535.8	3402.9	3258.3	3086.4	2898.1	2697.3	2472.3	2236.6	1996.0	1748.2
-55°	3246.1	3123.6	2985.5	2835.0	2669.4	2483.5	2286.1	2080.6	1868.4	1646.8	1440.9
-57.5°	2782.6	2664.7	2529.4	2381.7	2222.1	2054.8	1878.4	1692.0	1512.1	1329.5	1144.6
-60°	2286.1	2174.6	2054.8	1924.0	1782.5	1632.2	1488.2	1335.8	1175.6	1034.1	887.3
-62.5°	1794.5	1696.5	1594.0	1488.2	1373.6	1250.7	1128.0	1011.6	888.9	763.5	656.4
-65°	1341.2	1262.6	1175.6	1095.0	1008.3	915.3	816.0	723.8	635.2	542.3	450.3
-67.5°	946.1	887.3	822.2	755.8	694.1	627.6	556.7	481.5	422.2	367.9	311.2
-70°	617.3	575.9	530.0	479.8	437.2	399.0	358.2	314.9	269.2	232.5	199.8
-72.5°	370.0	346.7	320.7	292.3	261.4	237.1	214.0	189.5	163.6	136.3	113.4
-75°	204.2	191.2	176.9	161.1	144.0	125.6	112.4	101.3	89.5	77.2	64.2
-77.5°	98.0	92.4	86.0	79.1	71.6	63.4	54.7	47.7	44.8	41.6	38.4
-80°	43.4	42.1	40.5	38.9	37.0	35.1	33.0	30.7	28.3	26.1	24.1
-82.5°	24.0	23.2	22.4	21.4	20.3	19.2	17.9	16.6	15.3	13.8	12.3
-85°	9.4	9.2	8.9	8.6	8.3	7.9	7.6	7.2	6.8	6.4	5.9
-87.5°	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.1	2.1	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: P1306495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-4S-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°	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.8
85°	5.4	4.9	4.4	3.9	3.4	2.8	2.6	2.4	2.1	1.9	1.7
82.5°	10.7	9.7	9.0	8.2	7.4	6.5	5.7	4.8	3.9	3.0	2.5
80°	22.0	19.8	17.5	15.1	12.7	10.2	9.1	7.9	6.7	5.5	4.3
77.5°	34.9	31.4	27.7	24.6	21.6	18.4	15.2	12.0	9.6	8.0	6.5
75°	50.7	45.0	40.6	36.1	31.4	26.7	22.8	18.9	14.9	10.8	8.7
72.5°	97.7	81.3	64.3	48.1	42.6	37.0	31.3	25.8	21.1	16.4	11.6
70°	165.8	130.5	106.1	86.1	65.5	47.4	40.8	34.1	27.3	21.8	16.4
67.5°	252.7	212.9	171.8	129.4	101.8	78.0	53.8	42.7	35.1	27.3	21.1
65°	384.5	316.4	248.7	201.6	153.2	111.2	84.3	56.9	42.7	34.1	25.8
62.5°	545.1	440.2	362.8	283.1	219.6	165.2	114.4	84.3	53.8	40.8	31.3
60°	743.1	617.3	487.4	390.8	301.7	225.6	165.2	111.2	78.0	47.4	37.0
57.5°	979.1	808.1	660.9	516.4	400.2	301.7	219.6	153.2	101.8	65.5	42.6
55°	1228.0	1034.6	844.8	675.5	516.4	390.8	283.1	201.6	129.4	86.1	48.1
52.5°	1508.3	1272.7	1053.2	844.8	660.9	487.4	362.8	248.7	171.8	106.1	64.3
50°	1799.3	1530.9	1272.7	1034.6	808.1	617.3	440.2	316.4	212.9	130.5	81.3
47.5°	2099.3	1799.3	1508.3	1228.0	979.1	743.1	545.1	384.5	252.7	165.8	97.7
45°	2397.6	2073.4	1748.2	1440.9	1144.6	887.3	656.4	450.3	311.2	199.8	113.4
42.5°	2689.1	2343.7	1996.0	1646.8	1329.5	1034.1	763.5	542.3	367.9	232.5	136.3
40°	2954.1	2607.3	2236.6	1868.4	1512.1	1175.6	888.9	635.2	422.2	269.2	163.6
37.5°	3207.3	2851.1	2472.3	2080.6	1692.0	1335.8	1011.6	723.8	481.5	314.9	189.5
35°	3423.8	3077.3	2697.3	2286.1	1878.4	1488.2	1128.0	816.0	556.7	358.2	214.0
32.5°	3628.0	3284.6	2898.1	2483.5	2054.8	1632.2	1250.7	915.3	627.6	399.0	237.1
30°	3834.2	3464.2	3086.4	2669.4	2222.1	1782.5	1373.6	1008.3	694.1	437.2	261.4
27.5°	4031.9	3632.6	3258.3	2835.0	2381.7	1924.0	1488.2	1095.0	755.8	479.8	292.3
25°	4237.9	3799.4	3402.9	2985.5	2529.4	2054.8	1594.0	1175.6	822.2	530.0	320.7
22.5°	4481.5	3956.4	3535.8	3123.6	2664.7	2174.6	1696.5	1262.6	887.3	575.9	346.7
20°	4703.2	4099.0	3656.4	3246.1	2782.6	2286.1	1794.5	1341.2	946.1	617.3	370.0
17.5°	4898.8	4253.1	3772.1	3345.0	2884.7	2385.5	1881.7	1411.1	998.3	654.0	390.8
15°	5055.8	4413.9	3875.0	3431.5	2974.0	2472.3	1957.9	1472.1	1043.9	686.0	408.9
12.5°	5190.4	4551.5	3963.0	3505.4	3050.2	2546.4	2022.9	1524.0	1082.7	713.3	424.3
10°	5301.7	4665.2	4035.6	3566.3	3112.9	2607.3	2076.3	1566.8	1114.6	735.7	436.9
7.5°	5389.0	4754.3	4092.4	3613.9	3162.0	2654.9	2118.0	1600.1	1139.5	753.1	446.8
5°	5451.7	4818.3	4133.2	3648.1	3197.2	2689.1	2147.9	1624.0	1157.3	765.7	453.8
2.5°	5489.6	4856.8	4157.8	3668.7	3218.4	2709.6	2165.9	1638.4	1168.0	773.2	458.1
0°	5502.2	4869.7	4166.0	3675.6	3225.5	2716.5	2171.9	1643.2	1171.6	775.7	459.5
-2.5°	5489.6	4856.8	4157.8	3668.7	3218.4	2709.6	2165.9	1638.4	1168.0	773.2	458.1
-5°	5451.7	4818.3	4133.2	3648.1	3197.2	2689.1	2147.9	1624.0	1157.3	765.7	453.8
-7.5°	5389.0	4754.3	4092.4	3613.9	3162.0	2654.9	2118.0	1600.1	1139.5	753.1	446.8
-10°	5301.7	4665.2	4035.6	3566.3	3112.9	2607.3	2076.3	1566.8	1114.6	735.7	436.9
-12.5°	5190.4	4551.5	3963.0	3505.4	3050.2	2546.4	2022.9	1524.0	1082.7	713.3	424.3
-15°	5055.8	4413.9	3875.0	3431.5	2974.0	2472.3	1957.9	1472.1	1043.9	686.0	408.9
-17.5°	4898.8	4253.1	3772.1	3345.0	2884.7	2385.5	1881.7	1411.1	998.3	654.0	390.8
-20°	4703.2	4099.0	3656.4	3246.1	2782.6	2286.1	1794.5	1341.2	946.1	617.3	370.0



REPORT NUMBER: P1306495 (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°	4481.5	3956.4	3535.8	3123.6	2664.7	2174.6	1696.5	1262.6	887.3	575.9	346.7
-25°	4237.9	3799.4	3402.9	2985.5	2529.4	2054.8	1594.0	1175.6	822.2	530.0	320.7
-27.5°	4031.9	3632.6	3258.3	2835.0	2381.7	1924.0	1488.2	1095.0	755.8	479.8	292.3
-30°	3834.2	3464.2	3086.4	2669.4	2222.1	1782.5	1373.6	1008.3	694.1	437.2	261.4
-32.5°	3628.0	3284.6	2898.1	2483.5	2054.8	1632.2	1250.7	915.3	627.6	399.0	237.1
-35°	3423.8	3077.3	2697.3	2286.1	1878.4	1488.2	1128.0	816.0	556.7	358.2	214.0
-37.5°	3207.3	2851.1	2472.3	2080.6	1692.0	1335.8	1011.6	723.8	481.5	314.9	189.5
-40°	2954.1	2607.3	2236.6	1868.4	1512.1	1175.6	888.9	635.2	422.2	269.2	163.6
-42.5°	2689.1	2343.7	1996.0	1646.8	1329.5	1034.1	763.5	542.3	367.9	232.5	136.3
-45°	2397.6	2073.4	1748.2	1440.9	1144.6	887.3	656.4	450.3	311.2	199.8	113.4
-47.5°	2099.3	1799.3	1508.3	1228.0	979.1	743.1	545.1	384.5	252.7	165.8	97.7
-50°	1799.3	1530.9	1272.7	1034.6	808.1	617.3	440.2	316.4	212.9	130.5	81.3
-52.5°	1508.3	1272.7	1053.2	844.8	660.9	487.4	362.8	248.7	171.8	106.1	64.3
-55°	1228.0	1034.6	844.8	675.5	516.4	390.8	283.1	201.6	129.4	86.1	48.1
-57.5°	979.1	808.1	660.9	516.4	400.2	301.7	219.6	153.2	101.8	65.5	42.6
-60°	743.1	617.3	487.4	390.8	301.7	225.6	165.2	111.2	78.0	47.4	37.0
-62.5°	545.1	440.2	362.8	283.1	219.6	165.2	114.4	84.3	53.8	40.8	31.3
-65°	384.5	316.4	248.7	201.6	153.2	111.2	84.3	56.9	42.7	34.1	25.8
-67.5°	252.7	212.9	171.8	129.4	101.8	78.0	53.8	42.7	35.1	27.3	21.1
-70°	165.8	130.5	106.1	86.1	65.5	47.4	40.8	34.1	27.3	21.8	16.4
-72.5°	97.7	81.3	64.3	48.1	42.6	37.0	31.3	25.8	21.1	16.4	11.6
-75°	50.7	45.0	40.6	36.1	31.4	26.7	22.8	18.9	14.9	10.8	8.7
-77.5°	34.9	31.4	27.7	24.6	21.6	18.4	15.2	12.0	9.6	8.0	6.5
-80°	22.0	19.8	17.5	15.1	12.7	10.2	9.1	7.9	6.7	5.5	4.3
-82.5°	10.7	9.7	9.0	8.2	7.4	6.5	5.7	4.8	3.9	3.0	2.5
-85°	5.4	4.9	4.4	3.9	3.4	2.8	2.6	2.4	2.1	1.9	1.7
-87.5°	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.8
-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: P1306495 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
85°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
82.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
80°	3.0	2.4	1.9	1.5	1.0	0.5	0.0
77.5°	4.9	3.4	2.4	1.8	1.2	0.6	0.0
75°	6.8	4.9	3.0	2.2	1.4	0.7	0.0
72.5°	8.7	6.5	4.3	2.5	1.7	0.8	0.0
70°	10.8	8.0	5.5	3.0	1.9	1.0	0.0
67.5°	14.9	9.6	6.7	3.9	2.1	1.1	0.0
65°	18.9	12.0	7.9	4.8	2.4	1.2	0.0
62.5°	22.8	15.2	9.1	5.7	2.6	1.3	0.0
60°	26.7	18.4	10.2	6.5	2.8	1.4	0.0
57.5°	31.4	21.6	12.7	7.4	3.4	1.5	0.0
55°	36.1	24.6	15.1	8.2	3.9	1.6	0.0
52.5°	40.6	27.7	17.5	9.0	4.4	1.7	0.0
50°	45.0	31.4	19.8	9.7	4.9	1.8	0.0
47.5°	50.7	34.9	22.0	10.7	5.4	1.9	0.0
45°	64.2	38.4	24.1	12.3	5.9	2.0	0.0
42.5°	77.2	41.6	26.1	13.8	6.4	2.1	0.0
40°	89.5	44.8	28.3	15.3	6.8	2.1	0.0
37.5°	101.3	47.7	30.7	16.6	7.2	2.2	0.0
35°	112.4	54.7	33.0	17.9	7.6	2.3	0.0
32.5°	125.6	63.4	35.1	19.2	7.9	2.4	0.0
30°	144.0	71.6	37.0	20.3	8.3	2.4	0.0
27.5°	161.1	79.1	38.9	21.4	8.6	2.5	0.0
25°	176.9	86.0	40.5	22.4	8.9	2.5	0.0
22.5°	191.2	92.4	42.1	23.2	9.2	2.6	0.0
20°	204.2	98.0	43.4	24.0	9.4	2.6	0.0
17.5°	215.6	103.1	44.7	24.8	9.6	2.7	0.0
15°	225.6	107.5	45.7	25.4	9.8	2.7	0.0
12.5°	234.1	111.2	46.6	25.9	9.9	2.7	0.0
10°	241.1	114.3	47.4	26.3	10.1	2.8	0.0
7.5°	246.6	116.7	48.0	26.7	10.2	2.8	0.0
5°	250.5	118.4	48.4	26.9	10.2	2.8	0.0
2.5°	252.8	119.5	48.6	27.1	10.3	2.8	0.0
0°	253.6	119.8	48.7	27.1	10.3	2.8	0.0
-2.5°	252.8	119.5	48.6	27.1	10.3	2.8	0.0
-5°	250.5	118.4	48.4	26.9	10.2	2.8	0.0
-7.5°	246.6	116.7	48.0	26.7	10.2	2.8	0.0
-10°	241.1	114.3	47.4	26.3	10.1	2.8	0.0
-12.5°	234.1	111.2	46.6	25.9	9.9	2.7	0.0
-15°	225.6	107.5	45.7	25.4	9.8	2.7	0.0
-17.5°	215.6	103.1	44.7	24.8	9.6	2.7	0.0
-20°	204.2	98.0	43.4	24.0	9.4	2.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	191.2	92.4	42.1	23.2	9.2	2.6	0.0
-25°	176.9	86.0	40.5	22.4	8.9	2.5	0.0
-27.5°	161.1	79.1	38.9	21.4	8.6	2.5	0.0
-30°	144.0	71.6	37.0	20.3	8.3	2.4	0.0
-32.5°	125.6	63.4	35.1	19.2	7.9	2.4	0.0
-35°	112.4	54.7	33.0	17.9	7.6	2.3	0.0
-37.5°	101.3	47.7	30.7	16.6	7.2	2.2	0.0
-40°	89.5	44.8	28.3	15.3	6.8	2.1	0.0
-42.5°	77.2	41.6	26.1	13.8	6.4	2.1	0.0
-45°	64.2	38.4	24.1	12.3	5.9	2.0	0.0
-47.5°	50.7	34.9	22.0	10.7	5.4	1.9	0.0
-50°	45.0	31.4	19.8	9.7	4.9	1.8	0.0
-52.5°	40.6	27.7	17.5	9.0	4.4	1.7	0.0
-55°	36.1	24.6	15.1	8.2	3.9	1.6	0.0
-57.5°	31.4	21.6	12.7	7.4	3.4	1.5	0.0
-60°	26.7	18.4	10.2	6.5	2.8	1.4	0.0
-62.5°	22.8	15.2	9.1	5.7	2.6	1.3	0.0
-65°	18.9	12.0	7.9	4.8	2.4	1.2	0.0
-67.5°	14.9	9.6	6.7	3.9	2.1	1.1	0.0
-70°	10.8	8.0	5.5	3.0	1.9	1.0	0.0
-72.5°	8.7	6.5	4.3	2.5	1.7	0.8	0.0
-75°	6.8	4.9	3.0	2.2	1.4	0.7	0.0
-77.5°	4.9	3.4	2.4	1.8	1.2	0.6	0.0
-80°	3.0	2.4	1.9	1.5	1.0	0.5	0.0
-82.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
-85°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
-87.5°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)