

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: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-1S-HEG-S**

Issue Date: 8/15/2023

Test Information

Test Method: LM-79-08
Report Number: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-80-1S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

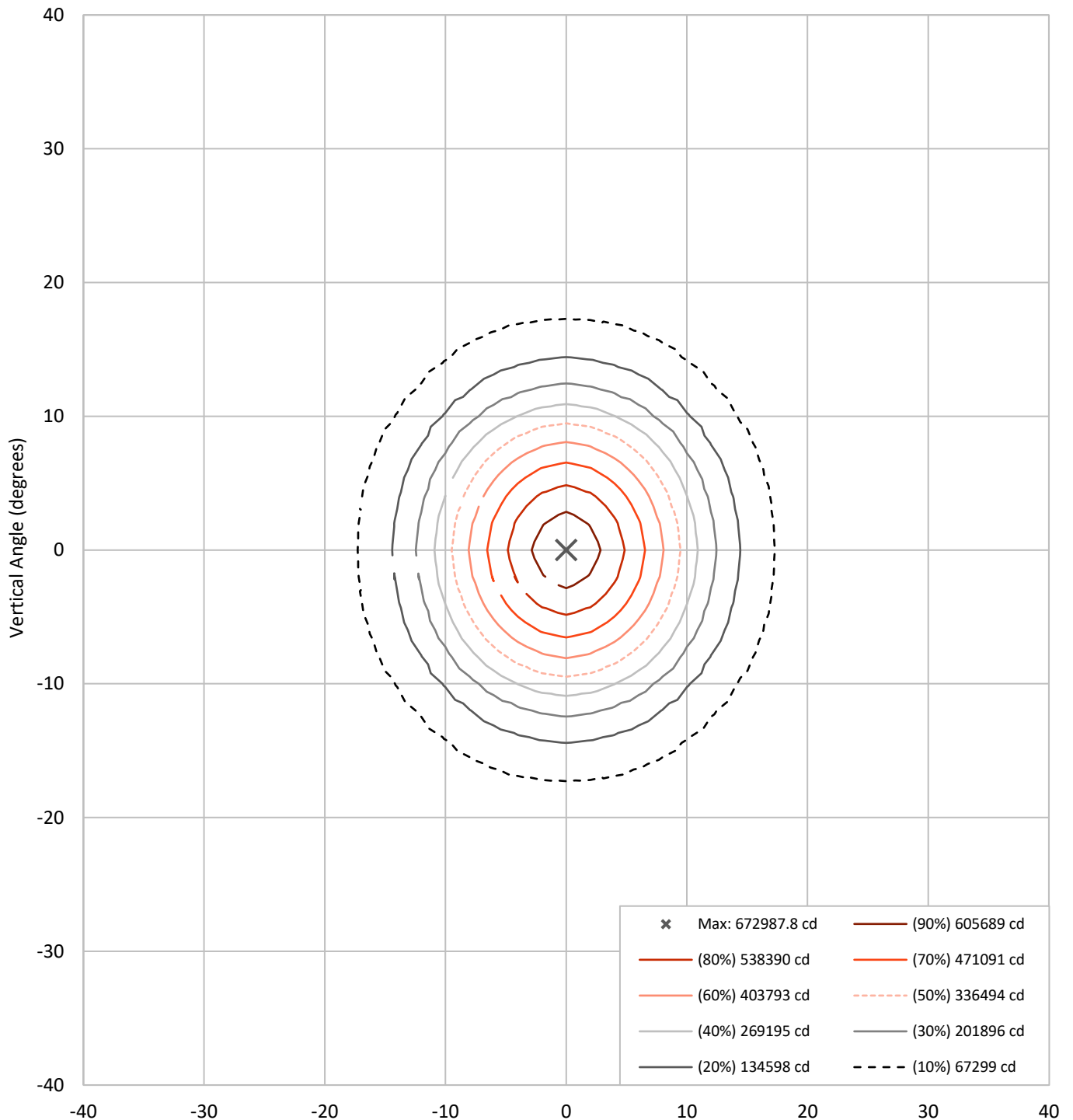
Summary

| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 91166.7 lumens | Max Intensity: | 672987.8 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 139.6 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') | | |
| Beam Angle (50%): | 19°H x 19°V | Field Angle (10%): | 34.3°H x 34.3°V |
| Beam Lumens: | 39294 lumens | Field Lumens: | 72388.1 lumens |
| Beam Efficiency: | 43.1% | Field Efficiency: | 79.4% |

Input Watts (W): 653.1
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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CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

Iso-Candela Plot





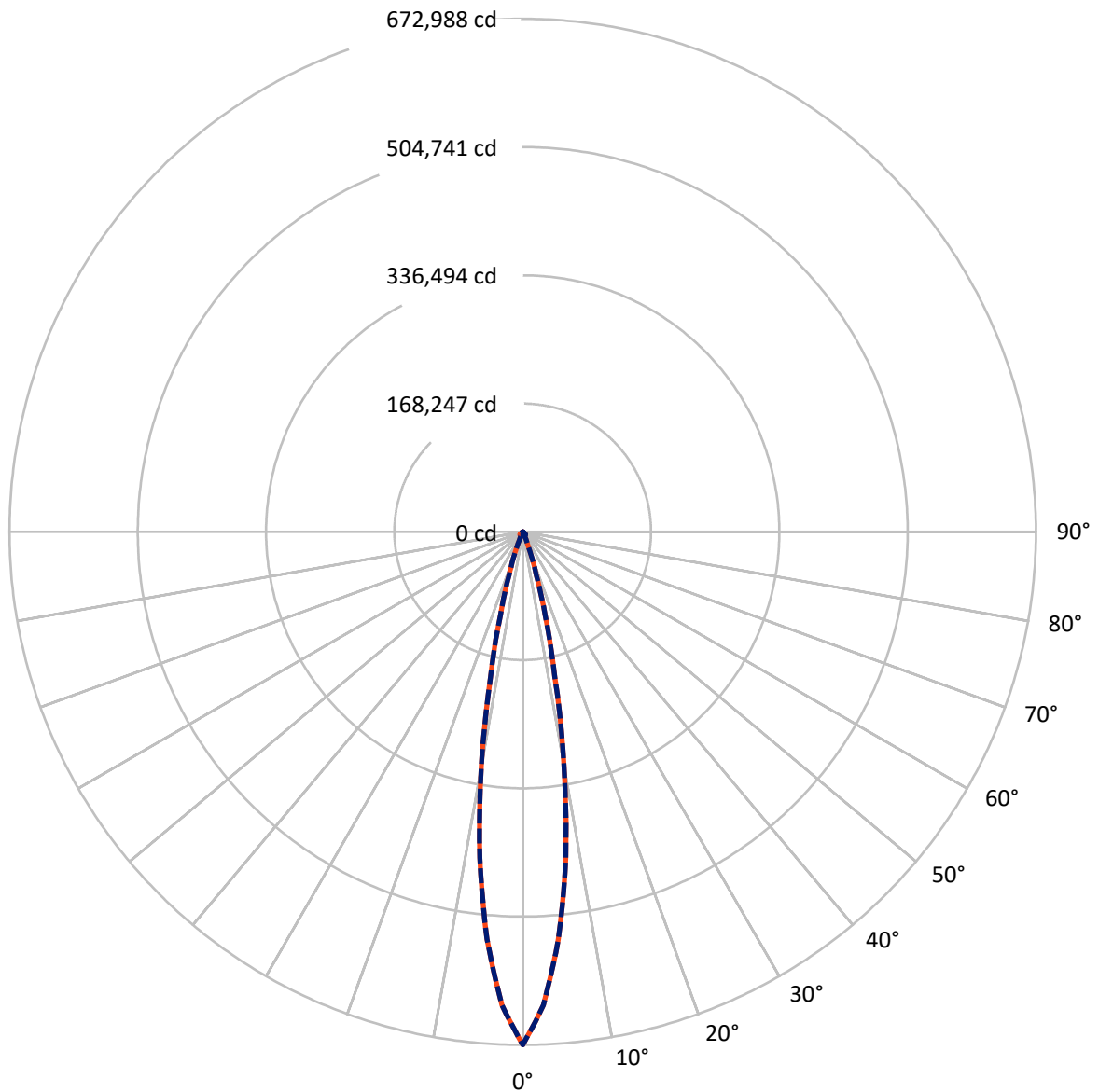
REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|------|------|------|-------|-------|--------|---------|---------|--------|-------|-------|------|------|------|-----|----|----|----|
| 90 | | | | | | | | | | | | | | | 90 | | | | |
| 80 | 0.1 | 0.9 | | 3.2 | | 7.9 | | 10.4 | | 7.9 | | 3.2 | | 0.9 | | 0.1 | | | |
| 70 | | | | | | | | | | | | | | | 70 | | | | |
| 60 | 0.4 | 0.5 | 1.9 | 5.7 | 11.5 | 17.8 | 23.0 | 25.9 | 25.9 | 23.0 | 17.8 | 11.5 | 5.7 | 1.9 | 0.5 | 0.4 | | | |
| 50 | | 1.4 | 6.7 | 16.5 | 28.4 | 38.4 | 44.9 | 48.5 | 48.5 | 44.9 | 38.4 | 28.4 | 16.5 | 6.7 | 1.4 | | | | |
| 40 | 1.0 | 3.5 | 13.5 | 28.2 | 41.1 | 69.6 | 109.7 | 131.8 | 131.8 | 109.7 | 69.6 | 41.1 | 28.2 | 13.5 | 3.5 | 1.0 | | | |
| 30 | | 6.1 | 20.1 | 35.5 | 84.1 | 143.9 | 159.0 | 159.3 | 159.3 | 159.0 | 143.9 | 84.1 | 35.5 | 20.1 | 6.1 | | | | |
| 20 | 2.3 | 8.6 | 24.5 | 55.0 | 130.2 | 144.2 | 158.4 | 274.7 | 274.7 | 158.4 | 144.2 | 130.2 | 55.0 | 24.5 | 8.6 | 2.3 | | | |
| 10 | | 10.4 | 26.8 | 81.5 | 134.8 | 148.9 | 870.6 | 3250.9 | 3250.9 | 870.6 | 148.9 | 134.8 | 81.5 | 26.8 | 10.4 | | | | |
| 0 | 2.9 | 11.3 | 28.1 | 94.6 | 130.8 | 252.7 | 3172.1 | 12483.6 | 12483.6 | 3172.1 | 252.7 | 130.8 | 94.6 | 28.1 | 11.3 | 2.9 | | | |
| -10 | | 11.3 | 28.1 | 94.6 | 130.8 | 252.7 | 3172.1 | 12483.6 | 12483.6 | 3172.1 | 252.7 | 130.8 | 94.6 | 28.1 | 11.3 | | | | |
| -20 | 2.3 | 10.4 | 26.8 | 81.5 | 134.8 | 148.9 | 870.6 | 3250.9 | 3250.9 | 870.6 | 148.9 | 134.8 | 81.5 | 26.8 | 10.4 | 2.3 | | | |
| -30 | | 8.6 | 24.5 | 55.0 | 130.2 | 144.2 | 158.4 | 274.7 | 274.7 | 158.4 | 144.2 | 130.2 | 55.0 | 24.5 | 8.6 | | | | |
| -40 | 1.0 | 6.1 | 20.1 | 35.5 | 84.1 | 143.9 | 159.0 | 159.3 | 159.3 | 159.0 | 143.9 | 84.1 | 35.5 | 20.1 | 6.1 | 1.0 | | | |
| -50 | | 3.5 | 13.5 | 28.2 | 41.1 | 69.6 | 109.7 | 131.8 | 131.8 | 109.7 | 69.6 | 41.1 | 28.2 | 13.5 | 3.5 | | | | |
| -60 | 0.4 | 1.4 | 6.7 | 16.5 | 28.4 | 38.4 | 44.9 | 48.5 | 48.5 | 44.9 | 38.4 | 28.4 | 16.5 | 6.7 | 1.4 | 0.4 | | | |
| -70 | | 0.5 | 1.9 | 5.7 | 11.5 | 17.8 | 23.0 | 25.9 | 25.9 | 23.0 | 17.8 | 11.5 | 5.7 | 1.9 | 0.5 | | | | |
| -80 | | | | | | | | | | | | | | | -80 | | | | |
| -90 | 0.1 | 0.9 | | 3.2 | | 7.9 | | 10.4 | | 7.9 | | 3.2 | | 0.9 | | 0.1 | | | |
| | -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-08-0640L-40-80-1S-HEG-S

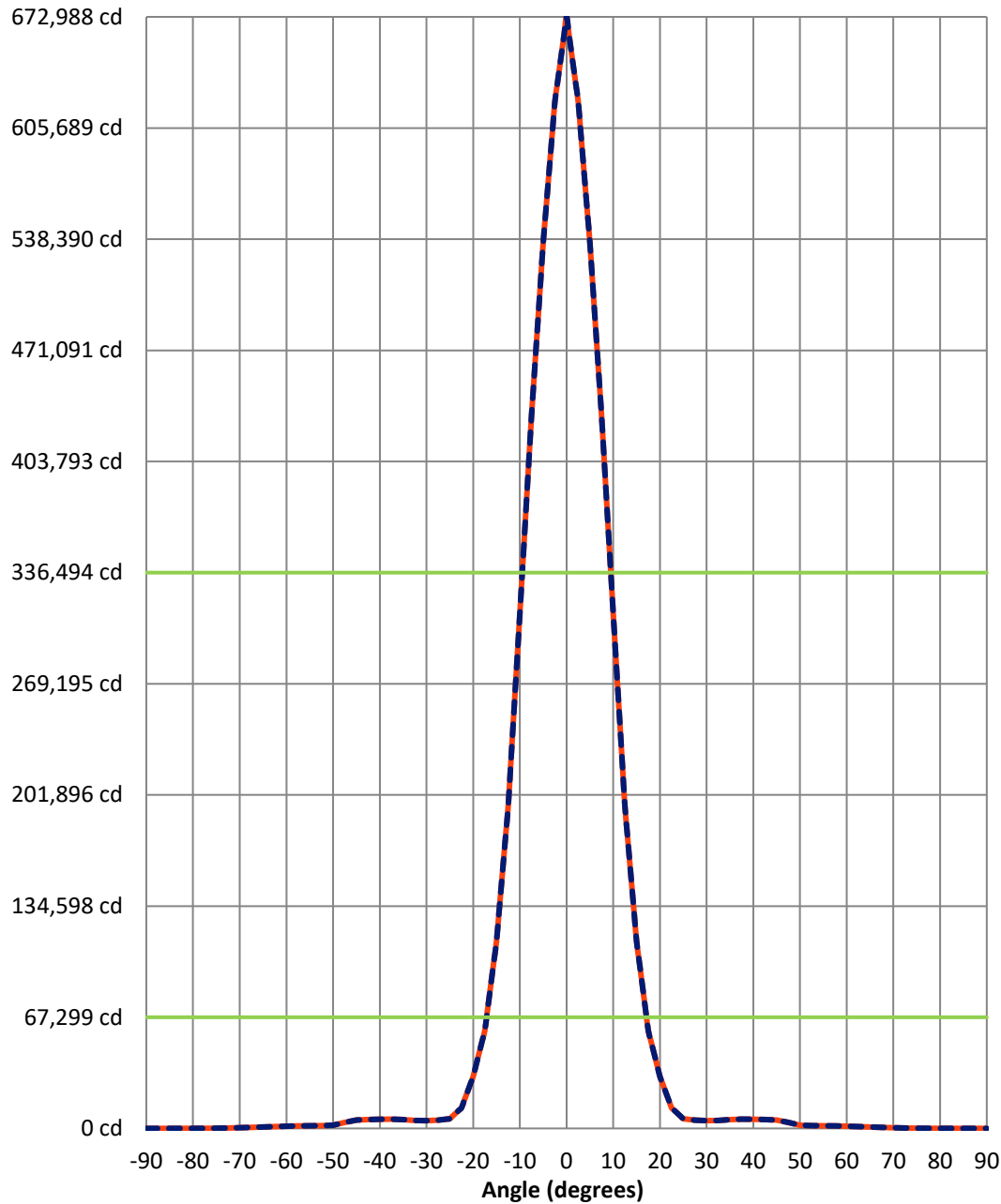
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 19°
 Lumens: 39294
 Efficiency: 43.1%

Field:
 H Angle: 34.3°
 V Angle: 34.3°
 Lumens: 72388.1
 Efficiency: 79.4%

Spill:
 Lumens: 18778.5
 Efficiency: 20.6%

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



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.4 | 2.7 |
| 85° | 0.0 | 0.6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.8 | 4.4 | 4.9 | 5.4 |
| 82.5° | 0.0 | 0.8 | 1.7 | 2.5 | 3.3 | 4.1 | 5.0 | 5.8 | 6.5 | 7.1 | 7.7 |
| 80° | 0.0 | 1.1 | 2.2 | 3.3 | 4.4 | 5.5 | 6.5 | 7.4 | 8.2 | 9.0 | 9.7 |
| 77.5° | 0.0 | 1.4 | 2.8 | 4.1 | 5.5 | 6.8 | 7.8 | 8.8 | 9.8 | 10.8 | 12.3 |
| 75° | 0.0 | 1.7 | 3.3 | 5.0 | 6.5 | 7.8 | 9.0 | 10.2 | 11.6 | 14.0 | 16.3 |
| 72.5° | 0.0 | 1.9 | 3.8 | 5.8 | 7.4 | 8.8 | 10.2 | 12.0 | 14.8 | 17.5 | 20.2 |
| 70° | 0.0 | 2.2 | 4.4 | 6.5 | 8.2 | 9.8 | 11.6 | 14.8 | 18.0 | 21.1 | 24.6 |
| 67.5° | 0.0 | 2.4 | 4.9 | 7.1 | 9.0 | 10.8 | 14.0 | 17.5 | 21.1 | 25.1 | 29.1 |
| 65° | 0.0 | 2.7 | 5.4 | 7.7 | 9.7 | 12.3 | 16.3 | 20.2 | 24.6 | 29.1 | 34.4 |
| 62.5° | 0.0 | 3.0 | 5.9 | 8.3 | 10.5 | 14.2 | 18.5 | 23.2 | 28.1 | 33.6 | 41.9 |
| 60° | 0.0 | 3.2 | 6.4 | 8.8 | 11.3 | 16.0 | 20.7 | 26.1 | 31.5 | 40.2 | 49.3 |
| 57.5° | 0.0 | 3.4 | 6.8 | 9.4 | 12.7 | 17.8 | 23.2 | 29.1 | 36.8 | 46.7 | 67.7 |
| 55° | 0.0 | 3.7 | 7.1 | 9.9 | 14.1 | 19.6 | 25.6 | 31.9 | 42.4 | 56.2 | 91.0 |
| 52.5° | 0.0 | 3.9 | 7.5 | 10.4 | 15.4 | 21.3 | 28.0 | 36.5 | 47.9 | 76.6 | 113.6 |
| 50° | 0.0 | 4.1 | 7.8 | 10.9 | 16.8 | 23.2 | 30.3 | 41.1 | 56.8 | 96.4 | 156.3 |
| 47.5° | 0.0 | 4.3 | 8.1 | 11.5 | 18.0 | 25.1 | 32.7 | 45.6 | 73.7 | 115.6 | 200.1 |
| 45° | 0.0 | 4.5 | 8.4 | 12.4 | 19.3 | 26.8 | 36.4 | 49.9 | 90.1 | 153.0 | 242.3 |
| 42.5° | 0.0 | 4.7 | 8.7 | 13.3 | 20.4 | 28.5 | 40.0 | 59.6 | 105.8 | 189.4 | 295.1 |
| 40° | 0.0 | 4.9 | 9.0 | 14.2 | 21.6 | 30.2 | 43.3 | 72.7 | 126.0 | 224.2 | 347.6 |
| 37.5° | 0.0 | 5.1 | 9.3 | 15.0 | 22.9 | 31.7 | 46.5 | 85.1 | 155.4 | 260.7 | 397.8 |
| 35° | 0.0 | 5.2 | 9.5 | 15.7 | 24.0 | 33.8 | 49.6 | 96.9 | 183.2 | 303.2 | 447.1 |
| 32.5° | 0.0 | 5.4 | 9.8 | 16.4 | 25.1 | 36.2 | 54.4 | 108.1 | 209.4 | 343.3 | 496.4 |
| 30° | 0.0 | 5.5 | 10.0 | 17.1 | 26.1 | 38.4 | 63.3 | 121.0 | 233.9 | 380.9 | 542.6 |
| 27.5° | 0.0 | 5.7 | 10.2 | 17.7 | 27.1 | 40.5 | 71.5 | 140.8 | 259.7 | 415.9 | 585.6 |
| 25° | 0.0 | 5.8 | 10.4 | 18.3 | 28.0 | 42.4 | 79.1 | 159.1 | 288.1 | 450.2 | 625.7 |
| 22.5° | 0.0 | 5.9 | 10.6 | 18.8 | 28.8 | 44.1 | 86.0 | 175.7 | 314.1 | 482.5 | 669.4 |
| 20° | 0.0 | 6.0 | 10.7 | 19.2 | 29.5 | 45.7 | 92.2 | 190.8 | 337.5 | 511.7 | 708.9 |
| 17.5° | 0.0 | 6.1 | 10.8 | 19.6 | 30.1 | 47.0 | 97.7 | 204.1 | 358.2 | 537.7 | 744.0 |
| 15° | 0.0 | 6.2 | 11.0 | 20.0 | 30.7 | 48.2 | 102.5 | 215.7 | 376.4 | 560.3 | 774.6 |
| 12.5° | 0.0 | 6.2 | 11.1 | 20.3 | 31.1 | 49.3 | 106.6 | 225.6 | 391.8 | 579.5 | 800.7 |
| 10° | 0.0 | 6.3 | 11.2 | 20.6 | 31.5 | 50.1 | 110.0 | 233.7 | 404.5 | 595.4 | 822.2 |
| 7.5° | 0.0 | 6.3 | 11.2 | 20.7 | 31.8 | 50.8 | 112.6 | 240.0 | 414.3 | 607.7 | 839.0 |
| 5° | 0.0 | 6.4 | 11.3 | 20.9 | 32.0 | 51.2 | 114.5 | 244.6 | 421.4 | 616.6 | 851.0 |
| 2.5° | 0.0 | 6.4 | 11.3 | 21.0 | 32.2 | 51.5 | 115.6 | 247.3 | 425.7 | 621.9 | 858.2 |
| 0° | 0.0 | 6.4 | 11.3 | 21.0 | 32.2 | 51.5 | 115.6 | 247.3 | 425.7 | 621.9 | 858.2 |
| -2.5° | 0.0 | 6.4 | 11.3 | 21.0 | 32.2 | 51.5 | 115.6 | 247.3 | 425.7 | 621.9 | 858.2 |
| -5° | 0.0 | 6.4 | 11.3 | 20.9 | 32.0 | 51.2 | 114.5 | 244.6 | 421.4 | 616.6 | 851.0 |
| -7.5° | 0.0 | 6.3 | 11.2 | 20.7 | 31.8 | 50.8 | 112.6 | 240.0 | 414.3 | 607.7 | 839.0 |
| -10° | 0.0 | 6.3 | 11.2 | 20.6 | 31.5 | 50.1 | 110.0 | 233.7 | 404.5 | 595.4 | 822.2 |
| -12.5° | 0.0 | 6.2 | 11.1 | 20.3 | 31.1 | 49.3 | 106.6 | 225.6 | 391.8 | 579.5 | 800.7 |
| -15° | 0.0 | 6.2 | 11.0 | 20.0 | 30.7 | 48.2 | 102.5 | 215.7 | 376.4 | 560.3 | 774.6 |
| -17.5° | 0.0 | 6.1 | 10.8 | 19.6 | 30.1 | 47.0 | 97.7 | 204.1 | 358.2 | 537.7 | 744.0 |
| -20° | 0.0 | 6.0 | 10.7 | 19.2 | 29.5 | 45.7 | 92.2 | 190.8 | 337.5 | 511.7 | 708.9 |



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| -22.5° | 0.0 | 5.9 | 10.6 | 18.8 | 28.8 | 44.1 | 86.0 | 175.7 | 314.1 | 482.5 | 669.4 |
| -25° | 0.0 | 5.8 | 10.4 | 18.3 | 28.0 | 42.4 | 79.1 | 159.1 | 288.1 | 450.2 | 625.7 |
| -27.5° | 0.0 | 5.7 | 10.2 | 17.7 | 27.1 | 40.5 | 71.5 | 140.8 | 259.7 | 415.9 | 585.6 |
| -30° | 0.0 | 5.5 | 10.0 | 17.1 | 26.1 | 38.4 | 63.3 | 121.0 | 233.9 | 380.9 | 542.6 |
| -32.5° | 0.0 | 5.4 | 9.8 | 16.4 | 25.1 | 36.2 | 54.4 | 108.1 | 209.4 | 343.3 | 496.4 |
| -35° | 0.0 | 5.2 | 9.5 | 15.7 | 24.0 | 33.8 | 49.6 | 96.9 | 183.2 | 303.2 | 447.1 |
| -37.5° | 0.0 | 5.1 | 9.3 | 15.0 | 22.9 | 31.7 | 46.5 | 85.1 | 155.4 | 260.7 | 397.8 |
| -40° | 0.0 | 4.9 | 9.0 | 14.2 | 21.6 | 30.2 | 43.3 | 72.7 | 126.0 | 224.2 | 347.6 |
| -42.5° | 0.0 | 4.7 | 8.7 | 13.3 | 20.4 | 28.5 | 40.0 | 59.6 | 105.8 | 189.4 | 295.1 |
| -45° | 0.0 | 4.5 | 8.4 | 12.4 | 19.3 | 26.8 | 36.4 | 49.9 | 90.1 | 153.0 | 242.3 |
| -47.5° | 0.0 | 4.3 | 8.1 | 11.5 | 18.0 | 25.1 | 32.7 | 45.6 | 73.7 | 115.6 | 200.1 |
| -50° | 0.0 | 4.1 | 7.8 | 10.9 | 16.8 | 23.2 | 30.3 | 41.1 | 56.8 | 96.4 | 156.3 |
| -52.5° | 0.0 | 3.9 | 7.5 | 10.4 | 15.4 | 21.3 | 28.0 | 36.5 | 47.9 | 76.6 | 113.6 |
| -55° | 0.0 | 3.7 | 7.1 | 9.9 | 14.1 | 19.6 | 25.6 | 31.9 | 42.4 | 56.2 | 91.0 |
| -57.5° | 0.0 | 3.4 | 6.8 | 9.4 | 12.7 | 17.8 | 23.2 | 29.1 | 36.8 | 46.7 | 67.7 |
| -60° | 0.0 | 3.2 | 6.4 | 8.8 | 11.3 | 16.0 | 20.7 | 26.1 | 31.5 | 40.2 | 49.3 |
| -62.5° | 0.0 | 3.0 | 5.9 | 8.3 | 10.5 | 14.2 | 18.5 | 23.2 | 28.1 | 33.6 | 41.9 |
| -65° | 0.0 | 2.7 | 5.4 | 7.7 | 9.7 | 12.3 | 16.3 | 20.2 | 24.6 | 29.1 | 34.4 |
| -67.5° | 0.0 | 2.4 | 4.9 | 7.1 | 9.0 | 10.8 | 14.0 | 17.5 | 21.1 | 25.1 | 29.1 |
| -70° | 0.0 | 2.2 | 4.4 | 6.5 | 8.2 | 9.8 | 11.6 | 14.8 | 18.0 | 21.1 | 24.6 |
| -72.5° | 0.0 | 1.9 | 3.8 | 5.8 | 7.4 | 8.8 | 10.2 | 12.0 | 14.8 | 17.5 | 20.2 |
| -75° | 0.0 | 1.7 | 3.3 | 5.0 | 6.5 | 7.8 | 9.0 | 10.2 | 11.6 | 14.0 | 16.3 |
| -77.5° | 0.0 | 1.4 | 2.8 | 4.1 | 5.5 | 6.8 | 7.8 | 8.8 | 9.8 | 10.8 | 12.3 |
| -80° | 0.0 | 1.1 | 2.2 | 3.3 | 4.4 | 5.5 | 6.5 | 7.4 | 8.2 | 9.0 | 9.7 |
| -82.5° | 0.0 | 0.8 | 1.7 | 2.5 | 3.3 | 4.1 | 5.0 | 5.8 | 6.5 | 7.1 | 7.7 |
| -85° | 0.0 | 0.6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.8 | 4.4 | 4.9 | 5.4 |
| -87.5° | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.4 | 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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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-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° | 3.0 | 3.2 | 3.4 | 3.7 | 3.9 | 4.1 | 4.3 | 4.5 | 4.7 | 4.9 | 5.1 |
| 85° | 5.9 | 6.4 | 6.8 | 7.1 | 7.5 | 7.8 | 8.1 | 8.4 | 8.7 | 9.0 | 9.3 |
| 82.5° | 8.3 | 8.8 | 9.4 | 9.9 | 10.4 | 10.9 | 11.5 | 12.4 | 13.3 | 14.2 | 15.0 |
| 80° | 10.5 | 11.3 | 12.7 | 14.1 | 15.4 | 16.8 | 18.0 | 19.3 | 20.4 | 21.6 | 22.9 |
| 77.5° | 14.2 | 16.0 | 17.8 | 19.6 | 21.3 | 23.2 | 25.1 | 26.8 | 28.5 | 30.2 | 31.7 |
| 75° | 18.5 | 20.7 | 23.2 | 25.6 | 28.0 | 30.3 | 32.7 | 36.4 | 40.0 | 43.3 | 46.5 |
| 72.5° | 23.2 | 26.1 | 29.1 | 31.9 | 36.5 | 41.1 | 45.6 | 49.9 | 59.6 | 72.7 | 85.1 |
| 70° | 28.1 | 31.5 | 36.8 | 42.4 | 47.9 | 56.8 | 73.7 | 90.1 | 105.8 | 126.0 | 155.4 |
| 67.5° | 33.6 | 40.2 | 46.7 | 56.2 | 76.6 | 96.4 | 115.6 | 153.0 | 189.4 | 224.2 | 260.7 |
| 65° | 41.9 | 49.3 | 67.7 | 91.0 | 113.6 | 156.3 | 200.1 | 242.3 | 295.1 | 347.6 | 397.8 |
| 62.5° | 50.1 | 73.5 | 99.6 | 134.9 | 186.1 | 235.8 | 296.6 | 359.6 | 420.2 | 483.3 | 544.2 |
| 60° | 73.5 | 102.5 | 146.9 | 204.1 | 264.0 | 337.5 | 408.7 | 482.5 | 555.4 | 625.7 | 706.2 |
| 57.5° | 99.6 | 146.9 | 210.1 | 280.4 | 362.1 | 443.2 | 528.1 | 610.3 | 703.0 | 794.8 | 883.2 |
| 55° | 134.9 | 204.1 | 280.4 | 370.4 | 461.4 | 555.7 | 652.1 | 759.0 | 862.3 | 964.9 | 1063.2 |
| 52.5° | 186.1 | 264.0 | 362.1 | 461.4 | 564.9 | 674.5 | 792.8 | 909.3 | 1024.0 | 1132.5 | 1230.9 |
| 50° | 235.8 | 337.5 | 443.2 | 555.7 | 674.5 | 804.2 | 932.9 | 1059.9 | 1177.2 | 1287.2 | 1385.2 |
| 47.5° | 296.6 | 408.7 | 528.1 | 652.1 | 792.8 | 932.9 | 1071.8 | 1199.7 | 1321.4 | 1425.3 | 1523.9 |
| 45° | 359.6 | 482.5 | 610.3 | 759.0 | 909.3 | 1059.9 | 1199.7 | 1332.8 | 1445.5 | 1538.7 | 1572.9 |
| 42.5° | 420.2 | 555.4 | 703.0 | 862.3 | 1024.0 | 1177.2 | 1321.4 | 1445.5 | 1542.0 | 1579.7 | 1623.3 |
| 40° | 483.3 | 625.7 | 794.8 | 964.9 | 1132.5 | 1287.2 | 1425.3 | 1538.7 | 1579.7 | 1627.9 | 1679.9 |
| 37.5° | 544.2 | 706.2 | 883.2 | 1063.2 | 1230.9 | 1385.2 | 1523.9 | 1572.9 | 1623.3 | 1679.9 | 1835.9 |
| 35° | 602.1 | 782.7 | 969.5 | 1153.2 | 1324.8 | 1473.3 | 1559.4 | 1609.3 | 1670.4 | 1821.7 | 2298.1 |
| 32.5° | 663.4 | 855.1 | 1051.3 | 1235.6 | 1403.5 | 1539.5 | 1588.7 | 1651.5 | 1779.1 | 2104.2 | 3292.2 |
| 30° | 725.2 | 925.1 | 1126.5 | 1313.2 | 1476.8 | 1565.2 | 1623.6 | 1709.1 | 1904.5 | 2995.5 | 4148.4 |
| 27.5° | 782.7 | 990.7 | 1193.1 | 1378.9 | 1535.7 | 1589.3 | 1658.7 | 1819.4 | 2508.0 | 3807.0 | 4910.8 |
| 25° | 835.9 | 1051.3 | 1254.7 | 1437.6 | 1556.4 | 1617.5 | 1708.5 | 1922.4 | 3244.8 | 4476.4 | 5185.2 |
| 22.5° | 885.3 | 1106.6 | 1311.2 | 1491.3 | 1575.5 | 1645.3 | 1796.6 | 2472.5 | 3881.8 | 5074.5 | 5324.5 |
| 20° | 930.7 | 1153.2 | 1358.5 | 1534.0 | 1592.7 | 1670.6 | 1876.9 | 3050.1 | 4409.8 | 5193.3 | 5418.9 |
| 17.5° | 971.1 | 1194.6 | 1398.3 | 1548.1 | 1612.6 | 1714.0 | 2015.0 | 3568.8 | 4884.9 | 5300.5 | 5488.7 |
| 15° | 1006.4 | 1230.9 | 1433.1 | 1560.5 | 1630.9 | 1772.2 | 2436.0 | 3965.4 | 5117.6 | 5384.6 | 5549.3 |
| 12.5° | 1036.5 | 1261.8 | 1462.7 | 1571.1 | 1646.5 | 1822.0 | 2796.7 | 4297.3 | 5192.9 | 5433.7 | 5565.9 |
| 10° | 1061.2 | 1287.2 | 1487.2 | 1579.8 | 1659.4 | 1863.1 | 3095.0 | 4572.2 | 5255.3 | 5474.6 | 5579.8 |
| 7.5° | 1080.5 | 1307.1 | 1506.3 | 1586.7 | 1669.4 | 1895.3 | 3329.0 | 4788.1 | 5304.4 | 5506.8 | 5590.8 |
| 5° | 1094.4 | 1321.4 | 1520.0 | 1591.6 | 1676.7 | 1918.5 | 3497.2 | 4943.4 | 5339.7 | 5530.0 | 5598.7 |
| 2.5° | 1102.7 | 1329.9 | 1528.2 | 1594.5 | 1681.0 | 1932.4 | 3598.6 | 5037.1 | 5361.1 | 5544.0 | 5603.5 |
| 0° | 1105.5 | 1332.8 | 1531.0 | 1595.5 | 1682.5 | 1937.1 | 3632.5 | 5068.4 | 5368.2 | 5548.7 | 5605.1 |
| -2.5° | 1102.7 | 1329.9 | 1528.2 | 1594.5 | 1681.0 | 1932.4 | 3598.6 | 5037.1 | 5361.1 | 5544.0 | 5603.5 |
| -5° | 1094.4 | 1321.4 | 1520.0 | 1591.6 | 1676.7 | 1918.5 | 3497.2 | 4943.4 | 5339.7 | 5530.0 | 5598.7 |
| -7.5° | 1080.5 | 1307.1 | 1506.3 | 1586.7 | 1669.4 | 1895.3 | 3329.0 | 4788.1 | 5304.4 | 5506.8 | 5590.8 |
| -10° | 1061.2 | 1287.2 | 1487.2 | 1579.8 | 1659.4 | 1863.1 | 3095.0 | 4572.2 | 5255.3 | 5474.6 | 5579.8 |
| -12.5° | 1036.5 | 1261.8 | 1462.7 | 1571.1 | 1646.5 | 1822.0 | 2796.7 | 4297.3 | 5192.9 | 5433.7 | 5565.9 |
| -15° | 1006.4 | 1230.9 | 1433.1 | 1560.5 | 1630.9 | 1772.2 | 2436.0 | 3965.4 | 5117.6 | 5384.6 | 5549.3 |
| -17.5° | 971.1 | 1194.6 | 1398.3 | 1548.1 | 1612.6 | 1714.0 | 2015.0 | 3568.8 | 4884.9 | 5300.5 | 5488.7 |
| -20° | 930.7 | 1153.2 | 1358.5 | 1534.0 | 1592.7 | 1670.6 | 1876.9 | 3050.1 | 4409.8 | 5193.3 | 5418.9 |



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 885.3 | 1106.6 | 1311.2 | 1491.3 | 1575.5 | 1645.3 | 1796.6 | 2472.5 | 3881.8 | 5074.5 | 5324.5 |
| -25° | 835.9 | 1051.3 | 1254.7 | 1437.6 | 1556.4 | 1617.5 | 1708.5 | 1922.4 | 3244.8 | 4476.4 | 5185.2 |
| -27.5° | 782.7 | 990.7 | 1193.1 | 1378.9 | 1535.7 | 1589.3 | 1658.7 | 1819.4 | 2508.0 | 3807.0 | 4910.8 |
| -30° | 725.2 | 925.1 | 1126.5 | 1313.2 | 1476.8 | 1565.2 | 1623.6 | 1709.1 | 1904.5 | 2995.5 | 4148.4 |
| -32.5° | 663.4 | 855.1 | 1051.3 | 1235.6 | 1403.5 | 1539.5 | 1588.7 | 1651.5 | 1779.1 | 2104.2 | 3292.2 |
| -35° | 602.1 | 782.7 | 969.5 | 1153.2 | 1324.8 | 1473.3 | 1559.4 | 1609.3 | 1670.4 | 1821.7 | 2298.1 |
| -37.5° | 544.2 | 706.2 | 883.2 | 1063.2 | 1230.9 | 1385.2 | 1523.9 | 1572.9 | 1623.3 | 1679.9 | 1835.9 |
| -40° | 483.3 | 625.7 | 794.8 | 964.9 | 1132.5 | 1287.2 | 1425.3 | 1538.7 | 1579.7 | 1627.9 | 1679.9 |
| -42.5° | 420.2 | 555.4 | 703.0 | 862.3 | 1024.0 | 1177.2 | 1321.4 | 1445.5 | 1542.0 | 1579.7 | 1623.3 |
| -45° | 359.6 | 482.5 | 610.3 | 759.0 | 909.3 | 1059.9 | 1199.7 | 1332.8 | 1445.5 | 1538.7 | 1572.9 |
| -47.5° | 296.6 | 408.7 | 528.1 | 652.1 | 792.8 | 932.9 | 1071.8 | 1199.7 | 1321.4 | 1425.3 | 1523.9 |
| -50° | 235.8 | 337.5 | 443.2 | 555.7 | 674.5 | 804.2 | 932.9 | 1059.9 | 1177.2 | 1287.2 | 1385.2 |
| -52.5° | 186.1 | 264.0 | 362.1 | 461.4 | 564.9 | 674.5 | 792.8 | 909.3 | 1024.0 | 1132.5 | 1230.9 |
| -55° | 134.9 | 204.1 | 280.4 | 370.4 | 461.4 | 555.7 | 652.1 | 759.0 | 862.3 | 964.9 | 1063.2 |
| -57.5° | 99.6 | 146.9 | 210.1 | 280.4 | 362.1 | 443.2 | 528.1 | 610.3 | 703.0 | 794.8 | 883.2 |
| -60° | 73.5 | 102.5 | 146.9 | 204.1 | 264.0 | 337.5 | 408.7 | 482.5 | 555.4 | 625.7 | 706.2 |
| -62.5° | 50.1 | 73.5 | 99.6 | 134.9 | 186.1 | 235.8 | 296.6 | 359.6 | 420.2 | 483.3 | 544.2 |
| -65° | 41.9 | 49.3 | 67.7 | 91.0 | 113.6 | 156.3 | 200.1 | 242.3 | 295.1 | 347.6 | 397.8 |
| -67.5° | 33.6 | 40.2 | 46.7 | 56.2 | 76.6 | 96.4 | 115.6 | 153.0 | 189.4 | 224.2 | 260.7 |
| -70° | 28.1 | 31.5 | 36.8 | 42.4 | 47.9 | 56.8 | 73.7 | 90.1 | 105.8 | 126.0 | 155.4 |
| -72.5° | 23.2 | 26.1 | 29.1 | 31.9 | 36.5 | 41.1 | 45.6 | 49.9 | 59.6 | 72.7 | 85.1 |
| -75° | 18.5 | 20.7 | 23.2 | 25.6 | 28.0 | 30.3 | 32.7 | 36.4 | 40.0 | 43.3 | 46.5 |
| -77.5° | 14.2 | 16.0 | 17.8 | 19.6 | 21.3 | 23.2 | 25.1 | 26.8 | 28.5 | 30.2 | 31.7 |
| -80° | 10.5 | 11.3 | 12.7 | 14.1 | 15.4 | 16.8 | 18.0 | 19.3 | 20.4 | 21.6 | 22.9 |
| -82.5° | 8.3 | 8.8 | 9.4 | 9.9 | 10.4 | 10.9 | 11.5 | 12.4 | 13.3 | 14.2 | 15.0 |
| -85° | 5.9 | 6.4 | 6.8 | 7.1 | 7.5 | 7.8 | 8.1 | 8.4 | 8.7 | 9.0 | 9.3 |
| -87.5° | 3.0 | 3.2 | 3.4 | 3.7 | 3.9 | 4.1 | 4.3 | 4.5 | 4.7 | 4.9 | 5.1 |
| -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: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-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° | 5.2 | 5.4 | 5.5 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.2 | 6.3 |
| 85° | 9.5 | 9.8 | 10.0 | 10.2 | 10.4 | 10.6 | 10.7 | 10.8 | 11.0 | 11.1 | 11.2 |
| 82.5° | 15.7 | 16.4 | 17.1 | 17.7 | 18.3 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 |
| 80° | 24.0 | 25.1 | 26.1 | 27.1 | 28.0 | 28.8 | 29.5 | 30.1 | 30.7 | 31.1 | 31.5 |
| 77.5° | 33.8 | 36.2 | 38.4 | 40.5 | 42.4 | 44.1 | 45.7 | 47.0 | 48.2 | 49.3 | 50.1 |
| 75° | 49.6 | 54.4 | 63.3 | 71.5 | 79.1 | 86.0 | 92.2 | 97.7 | 102.5 | 106.6 | 110.0 |
| 72.5° | 96.9 | 108.1 | 121.0 | 140.8 | 159.1 | 175.7 | 190.8 | 204.1 | 215.7 | 225.6 | 233.7 |
| 70° | 183.2 | 209.4 | 233.9 | 259.7 | 288.1 | 314.1 | 337.5 | 358.2 | 376.4 | 391.8 | 404.5 |
| 67.5° | 303.2 | 343.3 | 380.9 | 415.9 | 450.2 | 482.5 | 511.7 | 537.7 | 560.3 | 579.5 | 595.4 |
| 65° | 447.1 | 496.4 | 542.6 | 585.6 | 625.7 | 669.4 | 708.9 | 744.0 | 774.6 | 800.7 | 822.2 |
| 62.5° | 602.1 | 663.4 | 725.2 | 782.7 | 835.9 | 885.3 | 930.7 | 971.1 | 1006.4 | 1036.5 | 1061.2 |
| 60° | 782.7 | 855.1 | 925.1 | 990.7 | 1051.3 | 1106.6 | 1153.2 | 1194.6 | 1230.9 | 1261.8 | 1287.2 |
| 57.5° | 969.5 | 1051.3 | 1126.5 | 1193.1 | 1254.7 | 1311.2 | 1358.5 | 1398.3 | 1433.1 | 1462.7 | 1487.2 |
| 55° | 1153.2 | 1235.6 | 1313.2 | 1378.9 | 1437.6 | 1491.3 | 1534.0 | 1548.1 | 1560.5 | 1571.1 | 1579.8 |
| 52.5° | 1324.8 | 1403.5 | 1476.8 | 1535.7 | 1556.4 | 1575.5 | 1592.7 | 1612.6 | 1630.9 | 1646.5 | 1659.4 |
| 50° | 1473.3 | 1539.5 | 1565.2 | 1589.3 | 1617.5 | 1645.3 | 1670.6 | 1714.0 | 1772.2 | 1822.0 | 1863.1 |
| 47.5° | 1559.4 | 1588.7 | 1623.6 | 1658.7 | 1708.5 | 1796.6 | 1876.9 | 2015.0 | 2436.0 | 2796.7 | 3095.0 |
| 45° | 1609.3 | 1651.5 | 1709.1 | 1819.4 | 1922.4 | 2472.5 | 3050.1 | 3568.8 | 3965.4 | 4297.3 | 4572.2 |
| 42.5° | 1670.4 | 1779.1 | 1904.5 | 2508.0 | 3244.8 | 3881.8 | 4409.8 | 4884.9 | 5117.6 | 5192.9 | 5255.3 |
| 40° | 1821.7 | 2104.2 | 2995.5 | 3807.0 | 4476.4 | 5074.5 | 5193.3 | 5300.5 | 5384.6 | 5433.7 | 5474.6 |
| 37.5° | 2298.1 | 3292.2 | 4148.4 | 4910.8 | 5185.2 | 5324.5 | 5418.9 | 5488.7 | 5549.3 | 5565.9 | 5579.8 |
| 35° | 3391.8 | 4321.0 | 5090.8 | 5260.5 | 5399.7 | 5489.7 | 5556.2 | 5579.7 | 5600.6 | 5540.8 | 5469.4 |
| 32.5° | 4321.0 | 5109.4 | 5298.6 | 5435.0 | 5538.0 | 5575.5 | 5603.4 | 5493.6 | 5386.7 | 5251.8 | 5101.8 |
| 30° | 5090.8 | 5298.6 | 5446.9 | 5553.0 | 5587.3 | 5537.0 | 5395.7 | 5198.9 | 4975.5 | 4814.9 | 4773.2 |
| 27.5° | 5260.5 | 5435.0 | 5553.0 | 5591.3 | 5498.2 | 5332.3 | 5039.5 | 4812.4 | 4750.6 | 4696.4 | 4807.5 |
| 25° | 5399.7 | 5538.0 | 5587.3 | 5498.2 | 5293.2 | 4958.3 | 4780.2 | 4706.1 | 4836.0 | 4980.8 | 5251.5 |
| 22.5° | 5489.7 | 5575.5 | 5537.0 | 5332.3 | 4958.3 | 4769.3 | 4727.6 | 4923.1 | 5245.5 | 5668.6 | 7138.2 |
| 20° | 5556.2 | 5603.4 | 5395.7 | 5039.5 | 4780.2 | 4727.6 | 4952.6 | 5411.2 | 6354.7 | 9945.8 | 14195.2 |
| 17.5° | 5579.7 | 5493.6 | 5198.9 | 4812.4 | 4706.1 | 4923.1 | 5411.2 | 7041.1 | 11401.4 | 20854.1 | 30826.4 |
| 15° | 5600.6 | 5386.7 | 4975.5 | 4750.6 | 4836.0 | 5245.5 | 6354.7 | 11401.4 | 23138.1 | 37739.3 | 54134.2 |
| 12.5° | 5540.8 | 5251.8 | 4814.9 | 4696.4 | 4980.8 | 5668.6 | 9945.8 | 20854.1 | 37739.3 | 58116.2 | 92631.2 |
| 10° | 5469.4 | 5101.8 | 4773.2 | 4807.5 | 5251.5 | 7138.2 | 14195.2 | 30826.4 | 54134.2 | 92631.2 | 139491.5 |
| 7.5° | 5413.0 | 4982.8 | 4740.0 | 4896.9 | 5515.2 | 9401.9 | 21503.3 | 42650.6 | 75906.2 | 126598.6 | 195867.5 |
| 5° | 5372.2 | 4896.5 | 4715.8 | 4962.2 | 5708.4 | 11070.8 | 26932.7 | 51736.5 | 96190.0 | 160884.6 | 253279.3 |
| 2.5° | 5347.5 | 4844.2 | 4701.1 | 5002.0 | 5826.5 | 12094.6 | 30283.1 | 57389.1 | 108961.2 | 185604.6 | 296230.8 |
| 0° | 5339.2 | 4826.7 | 4696.2 | 5015.3 | 5866.2 | 12439.8 | 31416.3 | 59309.7 | 113330.1 | 194984.4 | 311573.1 |
| -2.5° | 5347.5 | 4844.2 | 4701.1 | 5002.0 | 5826.5 | 12094.6 | 30283.1 | 57389.1 | 108961.2 | 185604.6 | 296230.8 |
| -5° | 5372.2 | 4896.5 | 4715.8 | 4962.2 | 5708.4 | 11070.8 | 26932.7 | 51736.5 | 96190.0 | 160884.6 | 253279.3 |
| -7.5° | 5413.0 | 4982.8 | 4740.0 | 4896.9 | 5515.2 | 9401.9 | 21503.3 | 42650.6 | 75906.2 | 126598.6 | 195867.5 |
| -10° | 5469.4 | 5101.8 | 4773.2 | 4807.5 | 5251.5 | 7138.2 | 14195.2 | 30826.4 | 54134.2 | 92631.2 | 139491.5 |
| -12.5° | 5540.8 | 5251.8 | 4814.9 | 4696.4 | 4980.8 | 5668.6 | 9945.8 | 20854.1 | 37739.3 | 58116.2 | 92631.2 |
| -15° | 5600.6 | 5386.7 | 4975.5 | 4750.6 | 4836.0 | 5245.5 | 6354.7 | 11401.4 | 23138.1 | 37739.3 | 54134.2 |
| -17.5° | 5579.7 | 5493.6 | 5198.9 | 4812.4 | 4706.1 | 4923.1 | 5411.2 | 7041.1 | 11401.4 | 20854.1 | 30826.4 |
| -20° | 5556.2 | 5603.4 | 5395.7 | 5039.5 | 4780.2 | 4727.6 | 4952.6 | 5411.2 | 6354.7 | 9945.8 | 14195.2 |



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 5489.7 | 5575.5 | 5537.0 | 5332.3 | 4958.3 | 4769.3 | 4727.6 | 4923.1 | 5245.5 | 5668.6 | 7138.2 |
| -25° | 5399.7 | 5538.0 | 5587.3 | 5498.2 | 5293.2 | 4958.3 | 4780.2 | 4706.1 | 4836.0 | 4980.8 | 5251.5 |
| -27.5° | 5260.5 | 5435.0 | 5553.0 | 5591.3 | 5498.2 | 5332.3 | 5039.5 | 4812.4 | 4750.6 | 4696.4 | 4807.5 |
| -30° | 5090.8 | 5298.6 | 5446.9 | 5553.0 | 5587.3 | 5537.0 | 5395.7 | 5198.9 | 4975.5 | 4814.9 | 4773.2 |
| -32.5° | 4321.0 | 5109.4 | 5298.6 | 5435.0 | 5538.0 | 5575.5 | 5603.4 | 5493.6 | 5386.7 | 5251.8 | 5101.8 |
| -35° | 3391.8 | 4321.0 | 5090.8 | 5260.5 | 5399.7 | 5489.7 | 5556.2 | 5579.7 | 5600.6 | 5540.8 | 5469.4 |
| -37.5° | 2298.1 | 3292.2 | 4148.4 | 4910.8 | 5185.2 | 5324.5 | 5418.9 | 5488.7 | 5549.3 | 5565.9 | 5579.8 |
| -40° | 1821.7 | 2104.2 | 2995.5 | 3807.0 | 4476.4 | 5074.5 | 5193.3 | 5300.5 | 5384.6 | 5433.7 | 5474.6 |
| -42.5° | 1670.4 | 1779.1 | 1904.5 | 2508.0 | 3244.8 | 3881.8 | 4409.8 | 4884.9 | 5117.6 | 5192.9 | 5255.3 |
| -45° | 1609.3 | 1651.5 | 1709.1 | 1819.4 | 1922.4 | 2472.5 | 3050.1 | 3568.8 | 3965.4 | 4297.3 | 4572.2 |
| -47.5° | 1559.4 | 1588.7 | 1623.6 | 1658.7 | 1708.5 | 1796.6 | 1876.9 | 2015.0 | 2436.0 | 2796.7 | 3095.0 |
| -50° | 1473.3 | 1539.5 | 1565.2 | 1589.3 | 1617.5 | 1645.3 | 1670.6 | 1714.0 | 1772.2 | 1822.0 | 1863.1 |
| -52.5° | 1324.8 | 1403.5 | 1476.8 | 1535.7 | 1556.4 | 1575.5 | 1592.7 | 1612.6 | 1630.9 | 1646.5 | 1659.4 |
| -55° | 1153.2 | 1235.6 | 1313.2 | 1378.9 | 1437.6 | 1491.3 | 1534.0 | 1548.1 | 1560.5 | 1571.1 | 1579.8 |
| -57.5° | 969.5 | 1051.3 | 1126.5 | 1193.1 | 1254.7 | 1311.2 | 1358.5 | 1398.3 | 1433.1 | 1462.7 | 1487.2 |
| -60° | 782.7 | 855.1 | 925.1 | 990.7 | 1051.3 | 1106.6 | 1153.2 | 1194.6 | 1230.9 | 1261.8 | 1287.2 |
| -62.5° | 602.1 | 663.4 | 725.2 | 782.7 | 835.9 | 885.3 | 930.7 | 971.1 | 1006.4 | 1036.5 | 1061.2 |
| -65° | 447.1 | 496.4 | 542.6 | 585.6 | 625.7 | 669.4 | 708.9 | 744.0 | 774.6 | 800.7 | 822.2 |
| -67.5° | 303.2 | 343.3 | 380.9 | 415.9 | 450.2 | 482.5 | 511.7 | 537.7 | 560.3 | 579.5 | 595.4 |
| -70° | 183.2 | 209.4 | 233.9 | 259.7 | 288.1 | 314.1 | 337.5 | 358.2 | 376.4 | 391.8 | 404.5 |
| -72.5° | 96.9 | 108.1 | 121.0 | 140.8 | 159.1 | 175.7 | 190.8 | 204.1 | 215.7 | 225.6 | 233.7 |
| -75° | 49.6 | 54.4 | 63.3 | 71.5 | 79.1 | 86.0 | 92.2 | 97.7 | 102.5 | 106.6 | 110.0 |
| -77.5° | 33.8 | 36.2 | 38.4 | 40.5 | 42.4 | 44.1 | 45.7 | 47.0 | 48.2 | 49.3 | 50.1 |
| -80° | 24.0 | 25.1 | 26.1 | 27.1 | 28.0 | 28.8 | 29.5 | 30.1 | 30.7 | 31.1 | 31.5 |
| -82.5° | 15.7 | 16.4 | 17.1 | 17.7 | 18.3 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 |
| -85° | 9.5 | 9.8 | 10.0 | 10.2 | 10.4 | 10.6 | 10.7 | 10.8 | 11.0 | 11.1 | 11.2 |
| -87.5° | 5.2 | 5.4 | 5.5 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.2 | 6.3 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-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° | 6.3 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.3 | 6.3 | 6.2 | 6.2 | 6.1 |
| 85° | 11.2 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.2 | 11.2 | 11.1 | 11.0 | 10.8 |
| 82.5° | 20.7 | 20.9 | 21.0 | 21.0 | 21.0 | 20.9 | 20.7 | 20.6 | 20.3 | 20.0 | 19.6 |
| 80° | 31.8 | 32.0 | 32.2 | 32.2 | 32.2 | 32.0 | 31.8 | 31.5 | 31.1 | 30.7 | 30.1 |
| 77.5° | 50.8 | 51.2 | 51.5 | 51.6 | 51.5 | 51.2 | 50.8 | 50.1 | 49.3 | 48.2 | 47.0 |
| 75° | 112.6 | 114.5 | 115.6 | 116.0 | 115.6 | 114.5 | 112.6 | 110.0 | 106.6 | 102.5 | 97.7 |
| 72.5° | 240.0 | 244.6 | 247.3 | 248.2 | 247.3 | 244.6 | 240.0 | 233.7 | 225.6 | 215.7 | 204.1 |
| 70° | 414.3 | 421.4 | 425.7 | 427.1 | 425.7 | 421.4 | 414.3 | 404.5 | 391.8 | 376.4 | 358.2 |
| 67.5° | 607.7 | 616.6 | 621.9 | 623.7 | 621.9 | 616.6 | 607.7 | 595.4 | 579.5 | 560.3 | 537.7 |
| 65° | 839.0 | 851.0 | 858.2 | 860.6 | 858.2 | 851.0 | 839.0 | 822.2 | 800.7 | 774.6 | 744.0 |
| 62.5° | 1080.5 | 1094.4 | 1102.7 | 1105.5 | 1102.7 | 1094.4 | 1080.5 | 1061.2 | 1036.5 | 1006.4 | 971.1 |
| 60° | 1307.1 | 1321.4 | 1329.9 | 1332.8 | 1329.9 | 1321.4 | 1307.1 | 1287.2 | 1261.8 | 1230.9 | 1194.6 |
| 57.5° | 1506.3 | 1520.0 | 1528.2 | 1531.0 | 1528.2 | 1520.0 | 1506.3 | 1487.2 | 1462.7 | 1433.1 | 1398.3 |
| 55° | 1586.7 | 1591.6 | 1594.5 | 1595.5 | 1594.5 | 1591.6 | 1586.7 | 1579.8 | 1571.1 | 1560.5 | 1548.1 |
| 52.5° | 1669.4 | 1676.7 | 1681.0 | 1682.5 | 1681.0 | 1676.7 | 1669.4 | 1659.4 | 1646.5 | 1630.9 | 1612.6 |
| 50° | 1895.3 | 1918.5 | 1932.4 | 1937.1 | 1932.4 | 1918.5 | 1895.3 | 1863.1 | 1822.0 | 1772.2 | 1714.0 |
| 47.5° | 3329.0 | 3497.2 | 3598.6 | 3632.5 | 3598.6 | 3497.2 | 3329.0 | 3095.0 | 2796.7 | 2436.0 | 2015.0 |
| 45° | 4788.1 | 4943.4 | 5037.1 | 5068.4 | 5037.1 | 4943.4 | 4788.1 | 4572.2 | 4297.3 | 3965.4 | 3568.8 |
| 42.5° | 5304.4 | 5339.7 | 5361.1 | 5368.2 | 5361.1 | 5339.7 | 5304.4 | 5255.3 | 5192.9 | 5117.6 | 4884.9 |
| 40° | 5506.8 | 5530.0 | 5544.0 | 5548.7 | 5544.0 | 5530.0 | 5506.8 | 5474.6 | 5433.7 | 5384.6 | 5300.5 |
| 37.5° | 5590.8 | 5598.7 | 5603.5 | 5605.1 | 5603.5 | 5598.7 | 5590.8 | 5579.8 | 5565.9 | 5549.3 | 5488.7 |
| 35° | 5413.0 | 5372.2 | 5347.5 | 5339.2 | 5347.5 | 5372.2 | 5413.0 | 5469.4 | 5540.8 | 5600.6 | 5579.7 |
| 32.5° | 4982.8 | 4896.5 | 4844.2 | 4826.7 | 4844.2 | 4896.5 | 4982.8 | 5101.8 | 5251.8 | 5386.7 | 5493.6 |
| 30° | 4740.0 | 4715.8 | 4701.1 | 4696.2 | 4701.1 | 4715.8 | 4740.0 | 4773.2 | 4814.9 | 4975.5 | 5198.9 |
| 27.5° | 4896.9 | 4962.2 | 5002.0 | 5015.3 | 5002.0 | 4962.2 | 4896.9 | 4807.5 | 4696.4 | 4750.6 | 4812.4 |
| 25° | 5515.2 | 5708.4 | 5826.5 | 5866.2 | 5826.5 | 5708.4 | 5515.2 | 5251.5 | 4980.8 | 4836.0 | 4706.1 |
| 22.5° | 9401.9 | 11070.8 | 12094.6 | 12439.8 | 12094.6 | 11070.8 | 9401.9 | 7138.2 | 5668.6 | 5245.5 | 4923.1 |
| 20° | 21503.3 | 26932.7 | 30283.1 | 31416.3 | 30283.1 | 26932.7 | 21503.3 | 14195.2 | 9945.8 | 6354.7 | 5411.2 |
| 17.5° | 42650.6 | 51736.5 | 57389.1 | 59309.7 | 57389.1 | 51736.5 | 42650.6 | 30826.4 | 20854.1 | 11401.4 | 7041.1 |
| 15° | 75906.2 | 96190.0 | 108961.2 | 113330.1 | 108961.2 | 96190.0 | 75906.2 | 54134.2 | 37739.3 | 23138.1 | 11401.4 |
| 12.5° | 126598.6 | 160884.6 | 185604.6 | 194984.4 | 185604.6 | 160884.6 | 126598.6 | 92631.2 | 58116.2 | 37739.3 | 20854.1 |
| 10° | 195867.5 | 253279.3 | 296230.8 | 311573.1 | 296230.8 | 253279.3 | 195867.5 | 139491.5 | 92631.2 | 54134.2 | 30826.4 |
| 7.5° | 281792.2 | 358955.8 | 413175.4 | 431635.6 | 413175.4 | 358955.8 | 281792.2 | 195867.5 | 126598.6 | 75906.2 | 42650.6 |
| 5° | 358955.8 | 451468.2 | 513346.1 | 536236.5 | 513346.1 | 451468.2 | 358955.8 | 253279.3 | 160884.6 | 96190.0 | 51736.5 |
| 2.5° | 413175.4 | 513346.1 | 586769.2 | 621583.8 | 586769.2 | 513346.1 | 413175.4 | 296230.8 | 185604.6 | 108961.2 | 57389.1 |
| 0° | 431635.6 | 536236.5 | 621583.8 | 672987.8 | 621583.8 | 536236.5 | 431635.6 | 311573.1 | 194984.4 | 113330.1 | 59309.7 |
| -2.5° | 413175.4 | 513346.1 | 586769.2 | 621583.8 | 586769.2 | 513346.1 | 413175.4 | 296230.8 | 185604.6 | 108961.2 | 57389.1 |
| -5° | 358955.8 | 451468.2 | 513346.1 | 536236.5 | 513346.1 | 451468.2 | 358955.8 | 253279.3 | 160884.6 | 96190.0 | 51736.5 |
| -7.5° | 281792.2 | 358955.8 | 413175.4 | 431635.6 | 413175.4 | 358955.8 | 281792.2 | 195867.5 | 126598.6 | 75906.2 | 42650.6 |
| -10° | 195867.5 | 253279.3 | 296230.8 | 311573.1 | 296230.8 | 253279.3 | 195867.5 | 139491.5 | 92631.2 | 54134.2 | 30826.4 |
| -12.5° | 126598.6 | 160884.6 | 185604.6 | 194984.4 | 185604.6 | 160884.6 | 126598.6 | 92631.2 | 58116.2 | 37739.3 | 20854.1 |
| -15° | 75906.2 | 96190.0 | 108961.2 | 113330.1 | 108961.2 | 96190.0 | 75906.2 | 54134.2 | 37739.3 | 23138.1 | 11401.4 |
| -17.5° | 42650.6 | 51736.5 | 57389.1 | 59309.7 | 57389.1 | 51736.5 | 42650.6 | 30826.4 | 20854.1 | 11401.4 | 7041.1 |
| -20° | 21503.3 | 26932.7 | 30283.1 | 31416.3 | 30283.1 | 26932.7 | 21503.3 | 14195.2 | 9945.8 | 6354.7 | 5411.2 |



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|--------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| -22.5° | 9401.9 | 11070.8 | 12094.6 | 12439.8 | 12094.6 | 11070.8 | 9401.9 | 7138.2 | 5668.6 | 5245.5 | 4923.1 |
| -25° | 5515.2 | 5708.4 | 5826.5 | 5866.2 | 5826.5 | 5708.4 | 5515.2 | 5251.5 | 4980.8 | 4836.0 | 4706.1 |
| -27.5° | 4896.9 | 4962.2 | 5002.0 | 5015.3 | 5002.0 | 4962.2 | 4896.9 | 4807.5 | 4696.4 | 4750.6 | 4812.4 |
| -30° | 4740.0 | 4715.8 | 4701.1 | 4696.2 | 4701.1 | 4715.8 | 4740.0 | 4773.2 | 4814.9 | 4975.5 | 5198.9 |
| -32.5° | 4982.8 | 4896.5 | 4844.2 | 4826.7 | 4844.2 | 4896.5 | 4982.8 | 5101.8 | 5251.8 | 5386.7 | 5493.6 |
| -35° | 5413.0 | 5372.2 | 5347.5 | 5339.2 | 5347.5 | 5372.2 | 5413.0 | 5469.4 | 5540.8 | 5600.6 | 5579.7 |
| -37.5° | 5590.8 | 5598.7 | 5603.5 | 5605.1 | 5603.5 | 5598.7 | 5590.8 | 5579.8 | 5565.9 | 5549.3 | 5488.7 |
| -40° | 5506.8 | 5530.0 | 5544.0 | 5548.7 | 5544.0 | 5530.0 | 5506.8 | 5474.6 | 5433.7 | 5384.6 | 5300.5 |
| -42.5° | 5304.4 | 5339.7 | 5361.1 | 5368.2 | 5361.1 | 5339.7 | 5304.4 | 5255.3 | 5192.9 | 5117.6 | 4884.9 |
| -45° | 4788.1 | 4943.4 | 5037.1 | 5068.4 | 5037.1 | 4943.4 | 4788.1 | 4572.2 | 4297.3 | 3965.4 | 3568.8 |
| -47.5° | 3329.0 | 3497.2 | 3598.6 | 3632.5 | 3598.6 | 3497.2 | 3329.0 | 3095.0 | 2796.7 | 2436.0 | 2015.0 |
| -50° | 1895.3 | 1918.5 | 1932.4 | 1937.1 | 1932.4 | 1918.5 | 1895.3 | 1863.1 | 1822.0 | 1772.2 | 1714.0 |
| -52.5° | 1669.4 | 1676.7 | 1681.0 | 1682.5 | 1681.0 | 1676.7 | 1669.4 | 1659.4 | 1646.5 | 1630.9 | 1612.6 |
| -55° | 1586.7 | 1591.6 | 1594.5 | 1595.5 | 1594.5 | 1591.6 | 1586.7 | 1579.8 | 1571.1 | 1560.5 | 1548.1 |
| -57.5° | 1506.3 | 1520.0 | 1528.2 | 1531.0 | 1528.2 | 1520.0 | 1506.3 | 1487.2 | 1462.7 | 1433.1 | 1398.3 |
| -60° | 1307.1 | 1321.4 | 1329.9 | 1332.8 | 1329.9 | 1321.4 | 1307.1 | 1287.2 | 1261.8 | 1230.9 | 1194.6 |
| -62.5° | 1080.5 | 1094.4 | 1102.7 | 1105.5 | 1102.7 | 1094.4 | 1080.5 | 1061.2 | 1036.5 | 1006.4 | 971.1 |
| -65° | 839.0 | 851.0 | 858.2 | 860.6 | 858.2 | 851.0 | 839.0 | 822.2 | 800.7 | 774.6 | 744.0 |
| -67.5° | 607.7 | 616.6 | 621.9 | 623.7 | 621.9 | 616.6 | 607.7 | 595.4 | 579.5 | 560.3 | 537.7 |
| -70° | 414.3 | 421.4 | 425.7 | 427.1 | 425.7 | 421.4 | 414.3 | 404.5 | 391.8 | 376.4 | 358.2 |
| -72.5° | 240.0 | 244.6 | 247.3 | 248.2 | 247.3 | 244.6 | 240.0 | 233.7 | 225.6 | 215.7 | 204.1 |
| -75° | 112.6 | 114.5 | 115.6 | 116.0 | 115.6 | 114.5 | 112.6 | 110.0 | 106.6 | 102.5 | 97.7 |
| -77.5° | 50.8 | 51.2 | 51.5 | 51.6 | 51.5 | 51.2 | 50.8 | 50.1 | 49.3 | 48.2 | 47.0 |
| -80° | 31.8 | 32.0 | 32.2 | 32.2 | 32.2 | 32.0 | 31.8 | 31.5 | 31.1 | 30.7 | 30.1 |
| -82.5° | 20.7 | 20.9 | 21.0 | 21.0 | 21.0 | 20.9 | 20.7 | 20.6 | 20.3 | 20.0 | 19.6 |
| -85° | 11.2 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.2 | 11.2 | 11.1 | 11.0 | 10.8 |
| -87.5° | 6.3 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.3 | 6.3 | 6.2 | 6.2 | 6.1 |
| -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: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-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° | 6.0 | 5.9 | 5.8 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1 | 4.9 | 4.7 | 4.5 |
| 85° | 10.7 | 10.6 | 10.4 | 10.2 | 10.0 | 9.8 | 9.5 | 9.3 | 9.0 | 8.7 | 8.4 |
| 82.5° | 19.2 | 18.8 | 18.3 | 17.7 | 17.1 | 16.4 | 15.7 | 15.0 | 14.2 | 13.3 | 12.4 |
| 80° | 29.5 | 28.8 | 28.0 | 27.1 | 26.1 | 25.1 | 24.0 | 22.9 | 21.6 | 20.4 | 19.3 |
| 77.5° | 45.7 | 44.1 | 42.4 | 40.5 | 38.4 | 36.2 | 33.8 | 31.7 | 30.2 | 28.5 | 26.8 |
| 75° | 92.2 | 86.0 | 79.1 | 71.5 | 63.3 | 54.4 | 49.6 | 46.5 | 43.3 | 40.0 | 36.4 |
| 72.5° | 190.8 | 175.7 | 159.1 | 140.8 | 121.0 | 108.1 | 96.9 | 85.1 | 72.7 | 59.6 | 49.9 |
| 70° | 337.5 | 314.1 | 288.1 | 259.7 | 233.9 | 209.4 | 183.2 | 155.4 | 126.0 | 105.8 | 90.1 |
| 67.5° | 511.7 | 482.5 | 450.2 | 415.9 | 380.9 | 343.3 | 303.2 | 260.7 | 224.2 | 189.4 | 153.0 |
| 65° | 708.9 | 669.4 | 625.7 | 585.6 | 542.6 | 496.4 | 447.1 | 397.8 | 347.6 | 295.1 | 242.3 |
| 62.5° | 930.7 | 885.3 | 835.9 | 782.7 | 725.2 | 663.4 | 602.1 | 544.2 | 483.3 | 420.2 | 359.6 |
| 60° | 1153.2 | 1106.6 | 1051.3 | 990.7 | 925.1 | 855.1 | 782.7 | 706.2 | 625.7 | 555.4 | 482.5 |
| 57.5° | 1358.5 | 1311.2 | 1254.7 | 1193.1 | 1126.5 | 1051.3 | 969.5 | 883.2 | 794.8 | 703.0 | 610.3 |
| 55° | 1534.0 | 1491.3 | 1437.6 | 1378.9 | 1313.2 | 1235.6 | 1153.2 | 1063.2 | 964.9 | 862.3 | 759.0 |
| 52.5° | 1592.7 | 1575.5 | 1556.4 | 1535.7 | 1476.8 | 1403.5 | 1324.8 | 1230.9 | 1132.5 | 1024.0 | 909.3 |
| 50° | 1670.6 | 1645.3 | 1617.5 | 1589.3 | 1565.2 | 1539.5 | 1473.3 | 1385.2 | 1287.2 | 1177.2 | 1059.9 |
| 47.5° | 1876.9 | 1796.6 | 1708.5 | 1658.7 | 1623.6 | 1588.7 | 1559.4 | 1523.9 | 1425.3 | 1321.4 | 1199.7 |
| 45° | 3050.1 | 2472.5 | 1922.4 | 1819.4 | 1709.1 | 1651.5 | 1609.3 | 1572.9 | 1538.7 | 1445.5 | 1332.8 |
| 42.5° | 4409.8 | 3881.8 | 3244.8 | 2508.0 | 1904.5 | 1779.1 | 1670.4 | 1623.3 | 1579.7 | 1542.0 | 1445.5 |
| 40° | 5193.3 | 5074.5 | 4476.4 | 3807.0 | 2995.5 | 2104.2 | 1821.7 | 1679.9 | 1627.9 | 1579.7 | 1538.7 |
| 37.5° | 5418.9 | 5324.5 | 5185.2 | 4910.8 | 4148.4 | 3292.2 | 2298.1 | 1835.9 | 1679.9 | 1623.3 | 1572.9 |
| 35° | 5556.2 | 5489.7 | 5399.7 | 5260.5 | 5090.8 | 4321.0 | 3391.8 | 2298.1 | 1821.7 | 1670.4 | 1609.3 |
| 32.5° | 5603.4 | 5575.5 | 5538.0 | 5435.0 | 5298.6 | 5109.4 | 4321.0 | 3292.2 | 2104.2 | 1779.1 | 1651.5 |
| 30° | 5395.7 | 5537.0 | 5587.3 | 5553.0 | 5446.9 | 5298.6 | 5090.8 | 4148.4 | 2995.5 | 1904.5 | 1709.1 |
| 27.5° | 5039.5 | 5332.3 | 5498.2 | 5591.3 | 5553.0 | 5435.0 | 5260.5 | 4910.8 | 3807.0 | 2508.0 | 1819.4 |
| 25° | 4780.2 | 4958.3 | 5293.2 | 5498.2 | 5587.3 | 5538.0 | 5399.7 | 5185.2 | 4476.4 | 3244.8 | 1922.4 |
| 22.5° | 4727.6 | 4769.3 | 4958.3 | 5332.3 | 5537.0 | 5575.5 | 5489.7 | 5324.5 | 5074.5 | 3881.8 | 2472.5 |
| 20° | 4952.6 | 4727.6 | 4780.2 | 5039.5 | 5395.7 | 5603.4 | 5556.2 | 5418.9 | 5193.3 | 4409.8 | 3050.1 |
| 17.5° | 5411.2 | 4923.1 | 4706.1 | 4812.4 | 5198.9 | 5493.6 | 5579.7 | 5488.7 | 5300.5 | 4884.9 | 3568.8 |
| 15° | 6354.7 | 5245.5 | 4836.0 | 4750.6 | 4975.5 | 5386.7 | 5600.6 | 5549.3 | 5384.6 | 5117.6 | 3965.4 |
| 12.5° | 9945.8 | 5668.6 | 4980.8 | 4696.4 | 4814.9 | 5251.8 | 5540.8 | 5565.9 | 5433.7 | 5192.9 | 4297.3 |
| 10° | 14195.2 | 7138.2 | 5251.5 | 4807.5 | 4773.2 | 5101.8 | 5469.4 | 5579.8 | 5474.6 | 5255.3 | 4572.2 |
| 7.5° | 21503.3 | 9401.9 | 5515.2 | 4896.9 | 4740.0 | 4982.8 | 5413.0 | 5590.8 | 5506.8 | 5304.4 | 4788.1 |
| 5° | 26932.7 | 11070.8 | 5708.4 | 4962.2 | 4715.8 | 4896.5 | 5372.2 | 5598.7 | 5530.0 | 5339.7 | 4943.4 |
| 2.5° | 30283.1 | 12094.6 | 5826.5 | 5002.0 | 4701.1 | 4844.2 | 5347.5 | 5603.5 | 5544.0 | 5361.1 | 5037.1 |
| 0° | 31416.3 | 12439.8 | 5866.2 | 5015.3 | 4696.2 | 4826.7 | 5339.2 | 5605.1 | 5548.7 | 5368.2 | 5068.4 |
| -2.5° | 30283.1 | 12094.6 | 5826.5 | 5002.0 | 4701.1 | 4844.2 | 5347.5 | 5603.5 | 5544.0 | 5361.1 | 5037.1 |
| -5° | 26932.7 | 11070.8 | 5708.4 | 4962.2 | 4715.8 | 4896.5 | 5372.2 | 5598.7 | 5530.0 | 5339.7 | 4943.4 |
| -7.5° | 21503.3 | 9401.9 | 5515.2 | 4896.9 | 4740.0 | 4982.8 | 5413.0 | 5590.8 | 5506.8 | 5304.4 | 4788.1 |
| -10° | 14195.2 | 7138.2 | 5251.5 | 4807.5 | 4773.2 | 5101.8 | 5469.4 | 5579.8 | 5474.6 | 5255.3 | 4572.2 |
| -12.5° | 9945.8 | 5668.6 | 4980.8 | 4696.4 | 4814.9 | 5251.8 | 5540.8 | 5565.9 | 5433.7 | 5192.9 | 4297.3 |
| -15° | 6354.7 | 5245.5 | 4836.0 | 4750.6 | 4975.5 | 5386.7 | 5600.6 | 5549.3 | 5384.6 | 5117.6 | 3965.4 |
| -17.5° | 5411.2 | 4923.1 | 4706.1 | 4812.4 | 5198.9 | 5493.6 | 5579.7 | 5488.7 | 5300.5 | 4884.9 | 3568.8 |
| -20° | 4952.6 | 4727.6 | 4780.2 | 5039.5 | 5395.7 | 5603.4 | 5556.2 | 5418.9 | 5193.3 | 4409.8 | 3050.1 |



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 4727.6 | 4769.3 | 4958.3 | 5332.3 | 5537.0 | 5575.5 | 5489.7 | 5324.5 | 5074.5 | 3881.8 | 2472.5 |
| -25° | 4780.2 | 4958.3 | 5293.2 | 5498.2 | 5587.3 | 5538.0 | 5399.7 | 5185.2 | 4476.4 | 3244.8 | 1922.4 |
| -27.5° | 5039.5 | 5332.3 | 5498.2 | 5591.3 | 5553.0 | 5435.0 | 5260.5 | 4910.8 | 3807.0 | 2508.0 | 1819.4 |
| -30° | 5395.7 | 5537.0 | 5587.3 | 5553.0 | 5446.9 | 5298.6 | 5090.8 | 4148.4 | 2995.5 | 1904.5 | 1709.1 |
| -32.5° | 5603.4 | 5575.5 | 5538.0 | 5435.0 | 5298.6 | 5109.4 | 4321.0 | 3292.2 | 2104.2 | 1779.1 | 1651.5 |
| -35° | 5556.2 | 5489.7 | 5399.7 | 5260.5 | 5090.8 | 4321.0 | 3391.8 | 2298.1 | 1821.7 | 1670.4 | 1609.3 |
| -37.5° | 5418.9 | 5324.5 | 5185.2 | 4910.8 | 4148.4 | 3292.2 | 2298.1 | 1835.9 | 1679.9 | 1623.3 | 1572.9 |
| -40° | 5193.3 | 5074.5 | 4476.4 | 3807.0 | 2995.5 | 2104.2 | 1821.7 | 1679.9 | 1627.9 | 1579.7 | 1538.7 |
| -42.5° | 4409.8 | 3881.8 | 3244.8 | 2508.0 | 1904.5 | 1779.1 | 1670.4 | 1623.3 | 1579.7 | 1542.0 | 1445.5 |
| -45° | 3050.1 | 2472.5 | 1922.4 | 1819.4 | 1709.1 | 1651.5 | 1609.3 | 1572.9 | 1538.7 | 1445.5 | 1332.8 |
| -47.5° | 1876.9 | 1796.6 | 1708.5 | 1658.7 | 1623.6 | 1588.7 | 1559.4 | 1523.9 | 1425.3 | 1321.4 | 1199.7 |
| -50° | 1670.6 | 1645.3 | 1617.5 | 1589.3 | 1565.2 | 1539.5 | 1473.3 | 1385.2 | 1287.2 | 1177.2 | 1059.9 |
| -52.5° | 1592.7 | 1575.5 | 1556.4 | 1535.7 | 1476.8 | 1403.5 | 1324.8 | 1230.9 | 1132.5 | 1024.0 | 909.3 |
| -55° | 1534.0 | 1491.3 | 1437.6 | 1378.9 | 1313.2 | 1235.6 | 1153.2 | 1063.2 | 964.9 | 862.3 | 759.0 |
| -57.5° | 1358.5 | 1311.2 | 1254.7 | 1193.1 | 1126.5 | 1051.3 | 969.5 | 883.2 | 794.8 | 703.0 | 610.3 |
| -60° | 1153.2 | 1106.6 | 1051.3 | 990.7 | 925.1 | 855.1 | 782.7 | 706.2 | 625.7 | 555.4 | 482.5 |
| -62.5° | 930.7 | 885.3 | 835.9 | 782.7 | 725.2 | 663.4 | 602.1 | 544.2 | 483.3 | 420.2 | 359.6 |
| -65° | 708.9 | 669.4 | 625.7 | 585.6 | 542.6 | 496.4 | 447.1 | 397.8 | 347.6 | 295.1 | 242.3 |
| -67.5° | 511.7 | 482.5 | 450.2 | 415.9 | 380.9 | 343.3 | 303.2 | 260.7 | 224.2 | 189.4 | 153.0 |
| -70° | 337.5 | 314.1 | 288.1 | 259.7 | 233.9 | 209.4 | 183.2 | 155.4 | 126.0 | 105.8 | 90.1 |
| -72.5° | 190.8 | 175.7 | 159.1 | 140.8 | 121.0 | 108.1 | 96.9 | 85.1 | 72.7 | 59.6 | 49.9 |
| -75° | 92.2 | 86.0 | 79.1 | 71.5 | 63.3 | 54.4 | 49.6 | 46.5 | 43.3 | 40.0 | 36.4 |
| -77.5° | 45.7 | 44.1 | 42.4 | 40.5 | 38.4 | 36.2 | 33.8 | 31.7 | 30.2 | 28.5 | 26.8 |
| -80° | 29.5 | 28.8 | 28.0 | 27.1 | 26.1 | 25.1 | 24.0 | 22.9 | 21.6 | 20.4 | 19.3 |
| -82.5° | 19.2 | 18.8 | 18.3 | 17.7 | 17.1 | 16.4 | 15.7 | 15.0 | 14.2 | 13.3 | 12.4 |
| -85° | 10.7 | 10.6 | 10.4 | 10.2 | 10.0 | 9.8 | 9.5 | 9.3 | 9.0 | 8.7 | 8.4 |
| -87.5° | 6.0 | 5.9 | 5.8 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1 | 4.9 | 4.7 | 4.5 |
| -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: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-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° | 4.3 | 4.1 | 3.9 | 3.7 | 3.4 | 3.2 | 3.0 | 2.7 | 2.4 | 2.2 | 1.9 |
| 85° | 8.1 | 7.8 | 7.5 | 7.1 | 6.8 | 6.4 | 5.9 | 5.4 | 4.9 | 4.4 | 3.8 |
| 82.5° | 11.5 | 10.9 | 10.4 | 9.9 | 9.4 | 8.8 | 8.3 | 7.7 | 7.1 | 6.5 | 5.8 |
| 80° | 18.0 | 16.8 | 15.4 | 14.1 | 12.7 | 11.3 | 10.5 | 9.7 | 9.0 | 8.2 | 7.4 |
| 77.5° | 25.1 | 23.2 | 21.3 | 19.6 | 17.8 | 16.0 | 14.2 | 12.3 | 10.8 | 9.8 | 8.8 |
| 75° | 32.7 | 30.3 | 28.0 | 25.6 | 23.2 | 20.7 | 18.5 | 16.3 | 14.0 | 11.6 | 10.2 |
| 72.5° | 45.6 | 41.1 | 36.5 | 31.9 | 29.1 | 26.1 | 23.2 | 20.2 | 17.5 | 14.8 | 12.0 |
| 70° | 73.7 | 56.8 | 47.9 | 42.4 | 36.8 | 31.5 | 28.1 | 24.6 | 21.1 | 18.0 | 14.8 |
| 67.5° | 115.6 | 96.4 | 76.6 | 56.2 | 46.7 | 40.2 | 33.6 | 29.1 | 25.1 | 21.1 | 17.5 |
| 65° | 200.1 | 156.3 | 113.6 | 91.0 | 67.7 | 49.3 | 41.9 | 34.4 | 29.1 | 24.6 | 20.2 |
| 62.5° | 296.6 | 235.8 | 186.1 | 134.9 | 99.6 | 73.5 | 50.1 | 41.9 | 33.6 | 28.1 | 23.2 |
| 60° | 408.7 | 337.5 | 264.0 | 204.1 | 146.9 | 102.5 | 73.5 | 49.3 | 40.2 | 31.5 | 26.1 |
| 57.5° | 528.1 | 443.2 | 362.1 | 280.4 | 210.1 | 146.9 | 99.6 | 67.7 | 46.7 | 36.8 | 29.1 |
| 55° | 652.1 | 555.7 | 461.4 | 370.4 | 280.4 | 204.1 | 134.9 | 91.0 | 56.2 | 42.4 | 31.9 |
| 52.5° | 792.8 | 674.5 | 564.9 | 461.4 | 362.1 | 264.0 | 186.1 | 113.6 | 76.6 | 47.9 | 36.5 |
| 50° | 932.9 | 804.2 | 674.5 | 555.7 | 443.2 | 337.5 | 235.8 | 156.3 | 96.4 | 56.8 | 41.1 |
| 47.5° | 1071.8 | 932.9 | 792.8 | 652.1 | 528.1 | 408.7 | 296.6 | 200.1 | 115.6 | 73.7 | 45.6 |
| 45° | 1199.7 | 1059.9 | 909.3 | 759.0 | 610.3 | 482.5 | 359.6 | 242.3 | 153.0 | 90.1 | 49.9 |
| 42.5° | 1321.4 | 1177.2 | 1024.0 | 862.3 | 703.0 | 555.4 | 420.2 | 295.1 | 189.4 | 105.8 | 59.6 |
| 40° | 1425.3 | 1287.2 | 1132.5 | 964.9 | 794.8 | 625.7 | 483.3 | 347.6 | 224.2 | 126.0 | 72.7 |
| 37.5° | 1523.9 | 1385.2 | 1230.9 | 1063.2 | 883.2 | 706.2 | 544.2 | 397.8 | 260.7 | 155.4 | 85.1 |
| 35° | 1559.4 | 1473.3 | 1324.8 | 1153.2 | 969.5 | 782.7 | 602.1 | 447.1 | 303.2 | 183.2 | 96.9 |
| 32.5° | 1588.7 | 1539.5 | 1403.5 | 1235.6 | 1051.3 | 855.1 | 663.4 | 496.4 | 343.3 | 209.4 | 108.1 |
| 30° | 1623.6 | 1565.2 | 1476.8 | 1313.2 | 1126.5 | 925.1 | 725.2 | 542.6 | 380.9 | 233.9 | 121.0 |
| 27.5° | 1658.7 | 1589.3 | 1535.7 | 1378.9 | 1193.1 | 990.7 | 782.7 | 585.6 | 415.9 | 259.7 | 140.8 |
| 25° | 1708.5 | 1617.5 | 1556.4 | 1437.6 | 1254.7 | 1051.3 | 835.9 | 625.7 | 450.2 | 288.1 | 159.1 |
| 22.5° | 1796.6 | 1645.3 | 1575.5 | 1491.3 | 1311.2 | 1106.6 | 885.3 | 669.4 | 482.5 | 314.1 | 175.7 |
| 20° | 1876.9 | 1670.6 | 1592.7 | 1534.0 | 1358.5 | 1153.2 | 930.7 | 708.9 | 511.7 | 337.5 | 190.8 |
| 17.5° | 2015.0 | 1714.0 | 1612.6 | 1548.1 | 1398.3 | 1194.6 | 971.1 | 744.0 | 537.7 | 358.2 | 204.1 |
| 15° | 2436.0 | 1772.2 | 1630.9 | 1560.5 | 1433.1 | 1230.9 | 1006.4 | 774.6 | 560.3 | 376.4 | 215.7 |
| 12.5° | 2796.7 | 1822.0 | 1646.5 | 1571.1 | 1462.7 | 1261.8 | 1036.5 | 800.7 | 579.5 | 391.8 | 225.6 |
| 10° | 3095.0 | 1863.1 | 1659.4 | 1579.8 | 1487.2 | 1287.2 | 1061.2 | 822.2 | 595.4 | 404.5 | 233.7 |
| 7.5° | 3329.0 | 1895.3 | 1669.4 | 1586.7 | 1506.3 | 1307.1 | 1080.5 | 839.0 | 607.7 | 414.3 | 240.0 |
| 5° | 3497.2 | 1918.5 | 1676.7 | 1591.6 | 1520.0 | 1321.4 | 1094.4 | 851.0 | 616.6 | 421.4 | 244.6 |
| 2.5° | 3598.6 | 1932.4 | 1681.0 | 1594.5 | 1528.2 | 1329.9 | 1102.7 | 858.2 | 621.9 | 425.7 | 247.3 |
| 0° | 3632.5 | 1937.1 | 1682.5 | 1595.5 | 1531.0 | 1332.8 | 1105.5 | 860.6 | 623.7 | 427.1 | 248.2 |
| -2.5° | 3598.6 | 1932.4 | 1681.0 | 1594.5 | 1528.2 | 1329.9 | 1102.7 | 858.2 | 621.9 | 425.7 | 247.3 |
| -5° | 3497.2 | 1918.5 | 1676.7 | 1591.6 | 1520.0 | 1321.4 | 1094.4 | 851.0 | 616.6 | 421.4 | 244.6 |
| -7.5° | 3329.0 | 1895.3 | 1669.4 | 1586.7 | 1506.3 | 1307.1 | 1080.5 | 839.0 | 607.7 | 414.3 | 240.0 |
| -10° | 3095.0 | 1863.1 | 1659.4 | 1579.8 | 1487.2 | 1287.2 | 1061.2 | 822.2 | 595.4 | 404.5 | 233.7 |
| -12.5° | 2796.7 | 1822.0 | 1646.5 | 1571.1 | 1462.7 | 1261.8 | 1036.5 | 800.7 | 579.5 | 391.8 | 225.6 |
| -15° | 2436.0 | 1772.2 | 1630.9 | 1560.5 | 1433.1 | 1230.9 | 1006.4 | 774.6 | 560.3 | 376.4 | 215.7 |
| -17.5° | 2015.0 | 1714.0 | 1612.6 | 1548.1 | 1398.3 | 1194.6 | 971.1 | 744.0 | 537.7 | 358.2 | 204.1 |
| -20° | 1876.9 | 1670.6 | 1592.7 | 1534.0 | 1358.5 | 1153.2 | 930.7 | 708.9 | 511.7 | 337.5 | 190.8 |



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| -22.5° | 1796.6 | 1645.3 | 1575.5 | 1491.3 | 1311.2 | 1106.6 | 885.3 | 669.4 | 482.5 | 314.1 | 175.7 |
| -25° | 1708.5 | 1617.5 | 1556.4 | 1437.6 | 1254.7 | 1051.3 | 835.9 | 625.7 | 450.2 | 288.1 | 159.1 |
| -27.5° | 1658.7 | 1589.3 | 1535.7 | 1378.9 | 1193.1 | 990.7 | 782.7 | 585.6 | 415.9 | 259.7 | 140.8 |
| -30° | 1623.6 | 1565.2 | 1476.8 | 1313.2 | 1126.5 | 925.1 | 725.2 | 542.6 | 380.9 | 233.9 | 121.0 |
| -32.5° | 1588.7 | 1539.5 | 1403.5 | 1235.6 | 1051.3 | 855.1 | 663.4 | 496.4 | 343.3 | 209.4 | 108.1 |
| -35° | 1559.4 | 1473.3 | 1324.8 | 1153.2 | 969.5 | 782.7 | 602.1 | 447.1 | 303.2 | 183.2 | 96.9 |
| -37.5° | 1523.9 | 1385.2 | 1230.9 | 1063.2 | 883.2 | 706.2 | 544.2 | 397.8 | 260.7 | 155.4 | 85.1 |
| -40° | 1425.3 | 1287.2 | 1132.5 | 964.9 | 794.8 | 625.7 | 483.3 | 347.6 | 224.2 | 126.0 | 72.7 |
| -42.5° | 1321.4 | 1177.2 | 1024.0 | 862.3 | 703.0 | 555.4 | 420.2 | 295.1 | 189.4 | 105.8 | 59.6 |
| -45° | 1199.7 | 1059.9 | 909.3 | 759.0 | 610.3 | 482.5 | 359.6 | 242.3 | 153.0 | 90.1 | 49.9 |
| -47.5° | 1071.8 | 932.9 | 792.8 | 652.1 | 528.1 | 408.7 | 296.6 | 200.1 | 115.6 | 73.7 | 45.6 |
| -50° | 932.9 | 804.2 | 674.5 | 555.7 | 443.2 | 337.5 | 235.8 | 156.3 | 96.4 | 56.8 | 41.1 |
| -52.5° | 792.8 | 674.5 | 564.9 | 461.4 | 362.1 | 264.0 | 186.1 | 113.6 | 76.6 | 47.9 | 36.5 |
| -55° | 652.1 | 555.7 | 461.4 | 370.4 | 280.4 | 204.1 | 134.9 | 91.0 | 56.2 | 42.4 | 31.9 |
| -57.5° | 528.1 | 443.2 | 362.1 | 280.4 | 210.1 | 146.9 | 99.6 | 67.7 | 46.7 | 36.8 | 29.1 |
| -60° | 408.7 | 337.5 | 264.0 | 204.1 | 146.9 | 102.5 | 73.5 | 49.3 | 40.2 | 31.5 | 26.1 |
| -62.5° | 296.6 | 235.8 | 186.1 | 134.9 | 99.6 | 73.5 | 50.1 | 41.9 | 33.6 | 28.1 | 23.2 |
| -65° | 200.1 | 156.3 | 113.6 | 91.0 | 67.7 | 49.3 | 41.9 | 34.4 | 29.1 | 24.6 | 20.2 |
| -67.5° | 115.6 | 96.4 | 76.6 | 56.2 | 46.7 | 40.2 | 33.6 | 29.1 | 25.1 | 21.1 | 17.5 |
| -70° | 73.7 | 56.8 | 47.9 | 42.4 | 36.8 | 31.5 | 28.1 | 24.6 | 21.1 | 18.0 | 14.8 |
| -72.5° | 45.6 | 41.1 | 36.5 | 31.9 | 29.1 | 26.1 | 23.2 | 20.2 | 17.5 | 14.8 | 12.0 |
| -75° | 32.7 | 30.3 | 28.0 | 25.6 | 23.2 | 20.7 | 18.5 | 16.3 | 14.0 | 11.6 | 10.2 |
| -77.5° | 25.1 | 23.2 | 21.3 | 19.6 | 17.8 | 16.0 | 14.2 | 12.3 | 10.8 | 9.8 | 8.8 |
| -80° | 18.0 | 16.8 | 15.4 | 14.1 | 12.7 | 11.3 | 10.5 | 9.7 | 9.0 | 8.2 | 7.4 |
| -82.5° | 11.5 | 10.9 | 10.4 | 9.9 | 9.4 | 8.8 | 8.3 | 7.7 | 7.1 | 6.5 | 5.8 |
| -85° | 8.1 | 7.8 | 7.5 | 7.1 | 6.8 | 6.4 | 5.9 | 5.4 | 4.9 | 4.4 | 3.8 |
| -87.5° | 4.3 | 4.1 | 3.9 | 3.7 | 3.4 | 3.2 | 3.0 | 2.7 | 2.4 | 2.2 | 1.9 |
| -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: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-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° | 1.7 | 1.4 | 1.1 | 0.8 | 0.6 | 0.3 | 0.0 |
| 85° | 3.3 | 2.8 | 2.2 | 1.7 | 1.1 | 0.6 | 0.0 |
| 82.5° | 5.0 | 4.1 | 3.3 | 2.5 | 1.7 | 0.8 | 0.0 |
| 80° | 6.5 | 5.5 | 4.4 | 3.3 | 2.2 | 1.1 | 0.0 |
| 77.5° | 7.8 | 6.8 | 5.5 | 4.1 | 2.8 | 1.4 | 0.0 |
| 75° | 9.0 | 7.8 | 6.5 | 5.0 | 3.3 | 1.7 | 0.0 |
| 72.5° | 10.2 | 8.8 | 7.4 | 5.8 | 3.8 | 1.9 | 0.0 |
| 70° | 11.6 | 9.8 | 8.2 | 6.5 | 4.4 | 2.2 | 0.0 |
| 67.5° | 14.0 | 10.8 | 9.0 | 7.1 | 4.9 | 2.4 | 0.0 |
| 65° | 16.3 | 12.3 | 9.7 | 7.7 | 5.4 | 2.7 | 0.0 |
| 62.5° | 18.5 | 14.2 | 10.5 | 8.3 | 5.9 | 3.0 | 0.0 |
| 60° | 20.7 | 16.0 | 11.3 | 8.8 | 6.4 | 3.2 | 0.0 |
| 57.5° | 23.2 | 17.8 | 12.7 | 9.4 | 6.8 | 3.4 | 0.0 |
| 55° | 25.6 | 19.6 | 14.1 | 9.9 | 7.1 | 3.7 | 0.0 |
| 52.5° | 28.0 | 21.3 | 15.4 | 10.4 | 7.5 | 3.9 | 0.0 |
| 50° | 30.3 | 23.2 | 16.8 | 10.9 | 7.8 | 4.1 | 0.0 |
| 47.5° | 32.7 | 25.1 | 18.0 | 11.5 | 8.1 | 4.3 | 0.0 |
| 45° | 36.4 | 26.8 | 19.3 | 12.4 | 8.4 | 4.5 | 0.0 |
| 42.5° | 40.0 | 28.5 | 20.4 | 13.3 | 8.7 | 4.7 | 0.0 |
| 40° | 43.3 | 30.2 | 21.6 | 14.2 | 9.0 | 4.9 | 0.0 |
| 37.5° | 46.5 | 31.7 | 22.9 | 15.0 | 9.3 | 5.1 | 0.0 |
| 35° | 49.6 | 33.8 | 24.0 | 15.7 | 9.5 | 5.2 | 0.0 |
| 32.5° | 54.4 | 36.2 | 25.1 | 16.4 | 9.8 | 5.4 | 0.0 |
| 30° | 63.3 | 38.4 | 26.1 | 17.1 | 10.0 | 5.5 | 0.0 |
| 27.5° | 71.5 | 40.5 | 27.1 | 17.7 | 10.2 | 5.7 | 0.0 |
| 25° | 79.1 | 42.4 | 28.0 | 18.3 | 10.4 | 5.8 | 0.0 |
| 22.5° | 86.0 | 44.1 | 28.8 | 18.8 | 10.6 | 5.9 | 0.0 |
| 20° | 92.2 | 45.7 | 29.5 | 19.2 | 10.7 | 6.0 | 0.0 |
| 17.5° | 97.7 | 47.0 | 30.1 | 19.6 | 10.8 | 6.1 | 0.0 |
| 15° | 102.5 | 48.2 | 30.7 | 20.0 | 11.0 | 6.2 | 0.0 |
| 12.5° | 106.6 | 49.3 | 31.1 | 20.3 | 11.1 | 6.2 | 0.0 |
| 10° | 110.0 | 50.1 | 31.5 | 20.6 | 11.2 | 6.3 | 0.0 |
| 7.5° | 112.6 | 50.8 | 31.8 | 20.7 | 11.2 | 6.3 | 0.0 |
| 5° | 114.5 | 51.2 | 32.0 | 20.9 | 11.3 | 6.4 | 0.0 |
| 2.5° | 115.6 | 51.5 | 32.2 | 21.0 | 11.3 | 6.4 | 0.0 |
| 0° | 116.0 | 51.6 | 32.2 | 21.0 | 11.3 | 6.4 | 0.0 |
| -2.5° | 115.6 | 51.5 | 32.2 | 21.0 | 11.3 | 6.4 | 0.0 |
| -5° | 114.5 | 51.2 | 32.0 | 20.9 | 11.3 | 6.4 | 0.0 |
| -7.5° | 112.6 | 50.8 | 31.8 | 20.7 | 11.2 | 6.3 | 0.0 |
| -10° | 110.0 | 50.1 | 31.5 | 20.6 | 11.2 | 6.3 | 0.0 |
| -12.5° | 106.6 | 49.3 | 31.1 | 20.3 | 11.1 | 6.2 | 0.0 |
| -15° | 102.5 | 48.2 | 30.7 | 20.0 | 11.0 | 6.2 | 0.0 |
| -17.5° | 97.7 | 47.0 | 30.1 | 19.6 | 10.8 | 6.1 | 0.0 |
| -20° | 92.2 | 45.7 | 29.5 | 19.2 | 10.7 | 6.0 | 0.0 |



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|------|-------|------|-------|------|-------|-----|
| -22.5° | 86.0 | 44.1 | 28.8 | 18.8 | 10.6 | 5.9 | 0.0 |
| -25° | 79.1 | 42.4 | 28.0 | 18.3 | 10.4 | 5.8 | 0.0 |
| -27.5° | 71.5 | 40.5 | 27.1 | 17.7 | 10.2 | 5.7 | 0.0 |
| -30° | 63.3 | 38.4 | 26.1 | 17.1 | 10.0 | 5.5 | 0.0 |
| -32.5° | 54.4 | 36.2 | 25.1 | 16.4 | 9.8 | 5.4 | 0.0 |
| -35° | 49.6 | 33.8 | 24.0 | 15.7 | 9.5 | 5.2 | 0.0 |
| -37.5° | 46.5 | 31.7 | 22.9 | 15.0 | 9.3 | 5.1 | 0.0 |
| -40° | 43.3 | 30.2 | 21.6 | 14.2 | 9.0 | 4.9 | 0.0 |
| -42.5° | 40.0 | 28.5 | 20.4 | 13.3 | 8.7 | 4.7 | 0.0 |
| -45° | 36.4 | 26.8 | 19.3 | 12.4 | 8.4 | 4.5 | 0.0 |
| -47.5° | 32.7 | 25.1 | 18.0 | 11.5 | 8.1 | 4.3 | 0.0 |
| -50° | 30.3 | 23.2 | 16.8 | 10.9 | 7.8 | 4.1 | 0.0 |
| -52.5° | 28.0 | 21.3 | 15.4 | 10.4 | 7.5 | 3.9 | 0.0 |
| -55° | 25.6 | 19.6 | 14.1 | 9.9 | 7.1 | 3.7 | 0.0 |
| -57.5° | 23.2 | 17.8 | 12.7 | 9.4 | 6.8 | 3.4 | 0.0 |
| -60° | 20.7 | 16.0 | 11.3 | 8.8 | 6.4 | 3.2 | 0.0 |
| -62.5° | 18.5 | 14.2 | 10.5 | 8.3 | 5.9 | 3.0 | 0.0 |
| -65° | 16.3 | 12.3 | 9.7 | 7.7 | 5.4 | 2.7 | 0.0 |
| -67.5° | 14.0 | 10.8 | 9.0 | 7.1 | 4.9 | 2.4 | 0.0 |
| -70° | 11.6 | 9.8 | 8.2 | 6.5 | 4.4 | 2.2 | 0.0 |
| -72.5° | 10.2 | 8.8 | 7.4 | 5.8 | 3.8 | 1.9 | 0.0 |
| -75° | 9.0 | 7.8 | 6.5 | 5.0 | 3.3 | 1.7 | 0.0 |
| -77.5° | 7.8 | 6.8 | 5.5 | 4.1 | 2.8 | 1.4 | 0.0 |
| -80° | 6.5 | 5.5 | 4.4 | 3.3 | 2.2 | 1.1 | 0.0 |
| -82.5° | 5.0 | 4.1 | 3.3 | 2.5 | 1.7 | 0.8 | 0.0 |
| -85° | 3.3 | 2.8 | 2.2 | 1.7 | 1.1 | 0.6 | 0.0 |
| -87.5° | 1.7 | 1.4 | 1.1 | 0.8 | 0.6 | 0.3 | 0.0 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

