

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: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-5S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-70-5S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

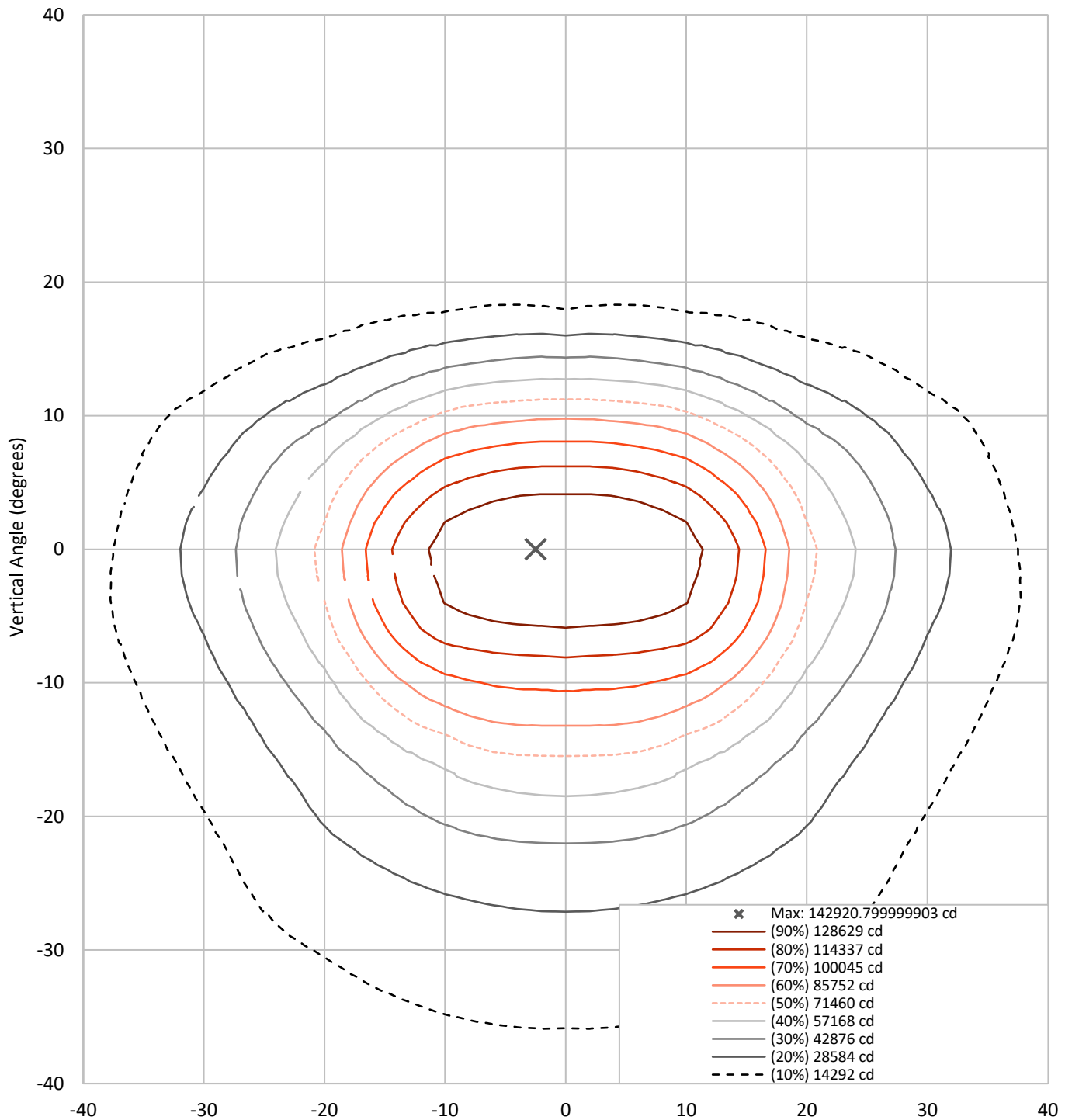
Summary

| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 5H x 4V |
| Luminaire Lumens: | 56633.2 lumens | Max Intensity: | 142920.8 candela |
| Efficiency: | N/A | Max Intensity Angle: | -2.5°H x 0°V |
| Efficacy: | 81.2 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') | | |
| Beam Angle (50%): | 41.7°H x 26.5°V | Field Angle (10%): | 74.8°H x 54.1°V |
| Beam Lumens: | 28068.7 lumens | Field Lumens: | 50767.4 lumens |
| Beam Efficiency: | 49.6% | Field Efficiency: | 89.6% |

Input Watts (W): 697.2
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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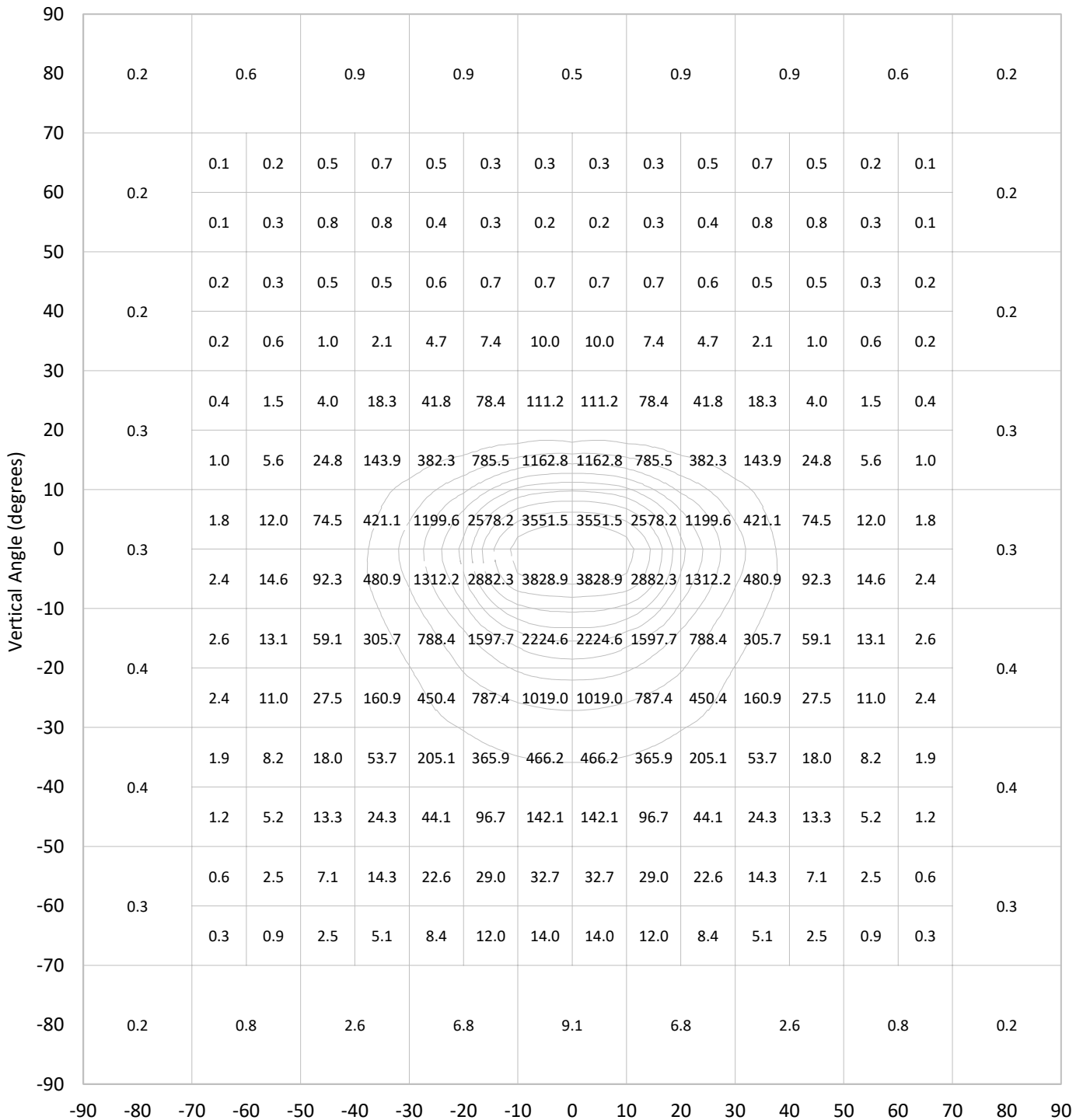
Iso-Candela Plot





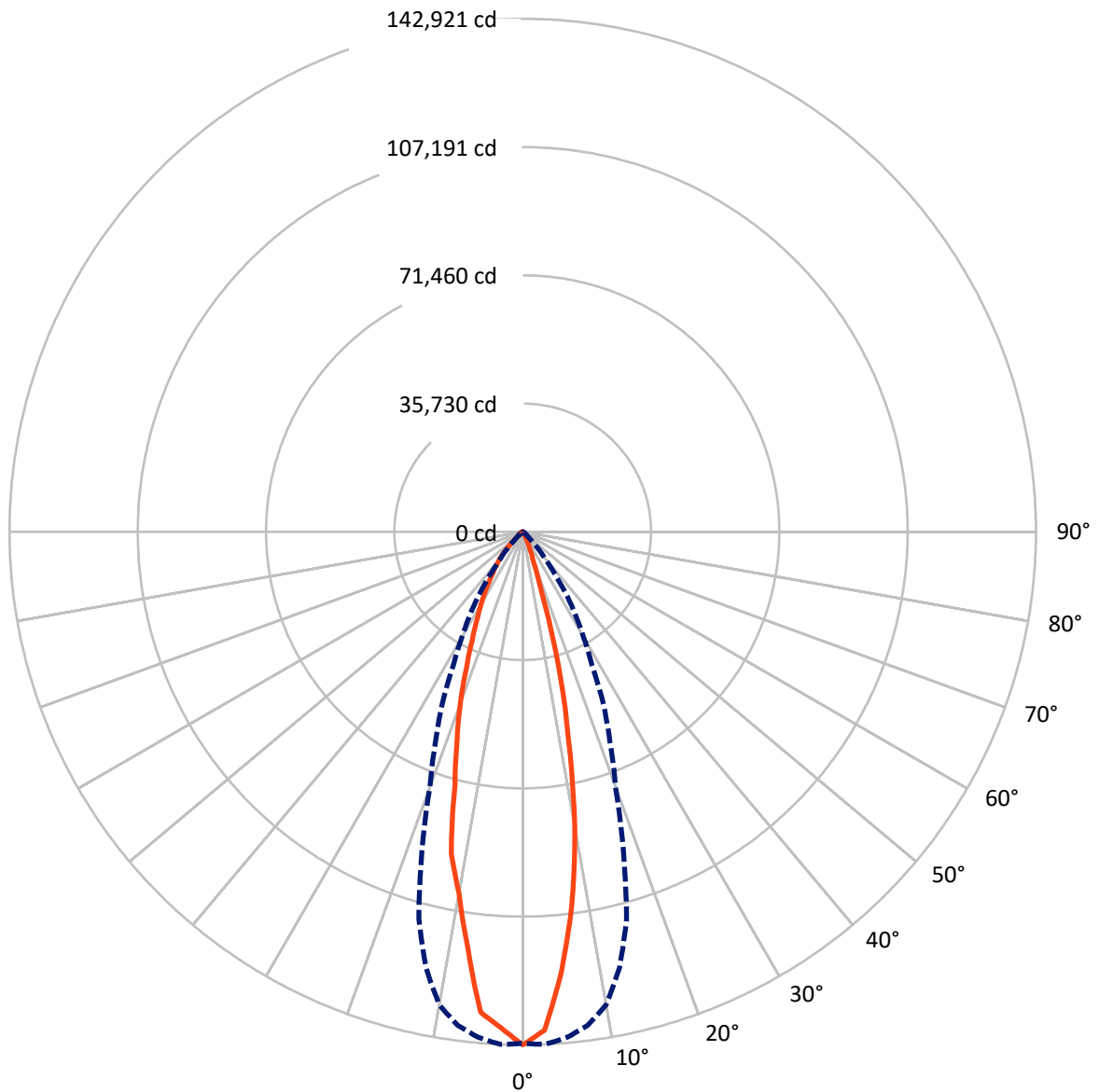
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Lumen Table



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
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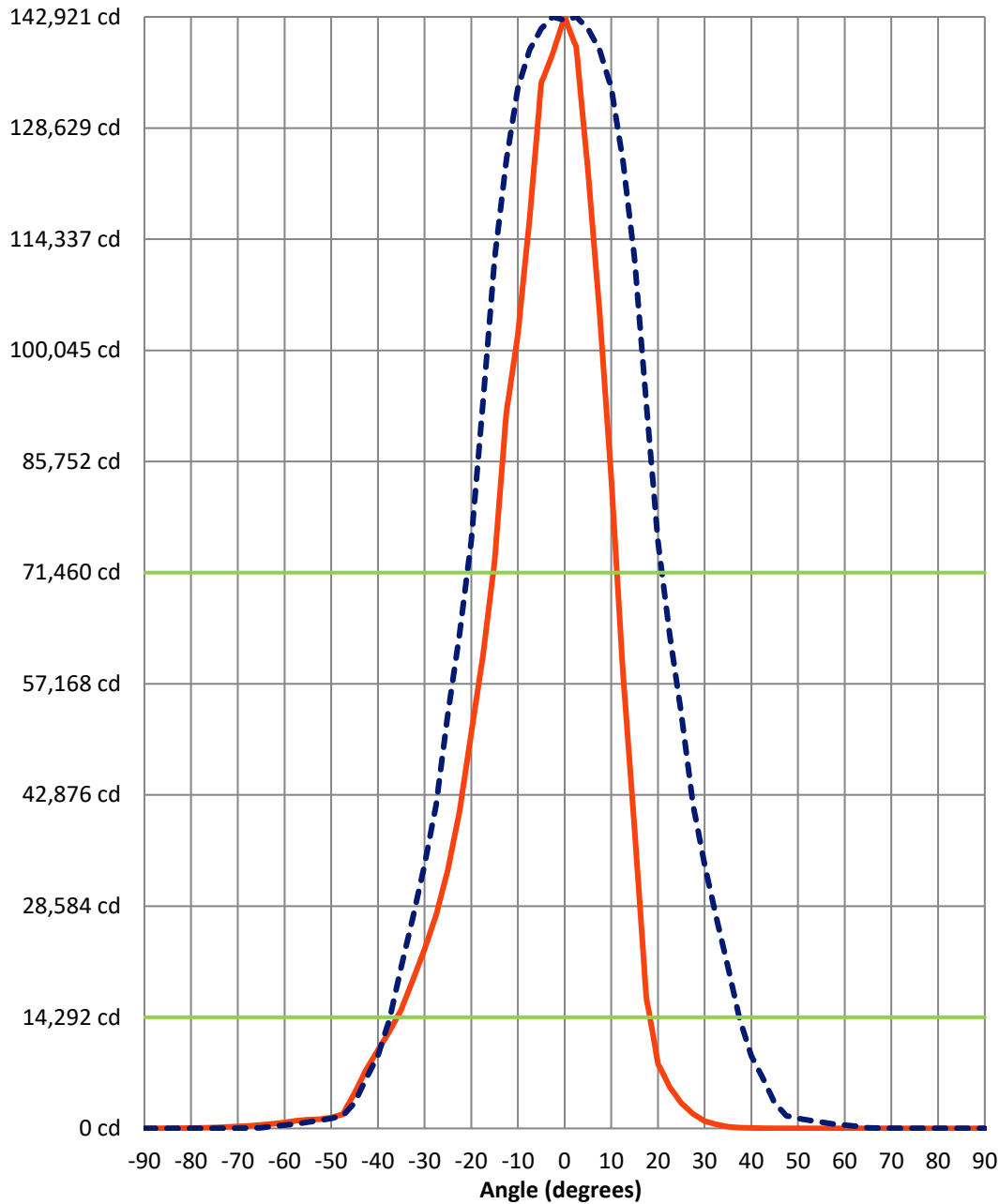
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 28068.7
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 50767.4
 Efficiency: 89.6%

Spill:
 Lumens: 5865.8
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 87.5° | 8.7 | 8.7 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.2 | 9.1 | 8.9 | 8.7 |
| 85° | 8.7 | 8.8 | 9.1 | 9.2 | 9.4 | 9.6 | 9.8 | 9.7 | 9.4 | 9.1 | 8.7 |
| 82.5° | 8.7 | 8.8 | 9.2 | 9.5 | 9.8 | 10.1 | 10.3 | 10.1 | 9.8 | 9.5 | 9.3 |
| 80° | 8.7 | 8.9 | 9.4 | 9.8 | 10.2 | 10.5 | 10.8 | 10.4 | 10.2 | 10.1 | 10.2 |
| 77.5° | 8.7 | 8.9 | 9.6 | 10.1 | 10.5 | 10.8 | 10.8 | 10.6 | 10.5 | 10.7 | 10.8 |
| 75° | 8.7 | 9.0 | 9.7 | 10.3 | 10.8 | 10.8 | 10.8 | 10.7 | 10.8 | 10.8 | 10.8 |
| 72.5° | 8.7 | 9.0 | 9.9 | 10.6 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 70° | 8.7 | 9.0 | 10.0 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 67.5° | 8.7 | 9.1 | 10.2 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 65° | 8.7 | 9.1 | 10.3 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 62.5° | 8.7 | 9.1 | 10.4 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 60° | 8.7 | 9.2 | 10.5 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 57.5° | 8.7 | 9.2 | 10.5 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 55° | 8.7 | 9.2 | 10.5 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 52.5° | 8.7 | 9.2 | 10.5 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 50° | 8.7 | 9.2 | 10.4 | 10.8 | 10.8 | 10.8 | 10.8 | 10.9 | 10.8 | 10.8 | 11.5 |
| 47.5° | 8.7 | 9.2 | 10.4 | 10.8 | 10.8 | 10.8 | 10.8 | 11.1 | 10.8 | 10.8 | 12.2 |
| 45° | 8.7 | 9.2 | 10.4 | 10.8 | 10.8 | 10.8 | 11.0 | 11.3 | 11.0 | 11.4 | 12.9 |
| 42.5° | 8.7 | 9.2 | 10.4 | 10.8 | 10.8 | 10.8 | 11.2 | 11.5 | 11.3 | 12.0 | 13.7 |
| 40° | 8.7 | 9.2 | 10.4 | 10.8 | 10.8 | 10.8 | 11.5 | 11.8 | 11.8 | 12.6 | 14.4 |
| 37.5° | 8.7 | 9.2 | 10.5 | 10.8 | 10.8 | 10.8 | 11.7 | 12.2 | 12.6 | 13.5 | 15.0 |
| 35° | 8.7 | 9.2 | 10.5 | 10.8 | 10.8 | 10.9 | 12.0 | 12.6 | 13.3 | 14.5 | 15.4 |
| 32.5° | 8.7 | 9.2 | 10.5 | 10.8 | 10.8 | 11.2 | 12.4 | 13.0 | 14.1 | 15.5 | 16.8 |
| 30° | 8.7 | 9.2 | 10.5 | 10.8 | 10.8 | 11.4 | 12.7 | 13.5 | 14.8 | 16.6 | 18.4 |
| 27.5° | 8.7 | 9.1 | 10.5 | 10.8 | 10.8 | 11.7 | 13.1 | 14.2 | 15.6 | 17.7 | 20.3 |
| 25° | 8.7 | 9.1 | 10.6 | 10.8 | 10.8 | 11.9 | 13.5 | 14.8 | 16.5 | 19.1 | 22.4 |
| 22.5° | 8.7 | 9.1 | 10.6 | 10.8 | 10.8 | 12.2 | 13.9 | 15.3 | 17.4 | 20.8 | 26.4 |
| 20° | 8.7 | 9.0 | 10.6 | 10.8 | 10.8 | 12.3 | 14.3 | 15.9 | 18.4 | 22.6 | 30.8 |
| 17.5° | 8.7 | 9.0 | 10.7 | 10.8 | 10.8 | 12.5 | 14.6 | 16.4 | 19.3 | 24.4 | 35.6 |
| 15° | 8.7 | 9.0 | 10.7 | 10.8 | 10.8 | 12.6 | 14.7 | 16.8 | 20.2 | 26.4 | 40.8 |
| 12.5° | 8.7 | 8.9 | 10.7 | 10.8 | 10.8 | 12.7 | 14.9 | 16.9 | 21.0 | 28.3 | 46.1 |
| 10° | 8.7 | 8.9 | 10.7 | 10.8 | 10.8 | 12.8 | 15.0 | 17.1 | 21.7 | 30.8 | 52.0 |
| 7.5° | 8.7 | 8.8 | 10.8 | 10.8 | 10.8 | 12.9 | 15.1 | 17.2 | 22.3 | 33.5 | 58.9 |
| 5° | 8.7 | 8.8 | 10.8 | 10.8 | 10.8 | 13.0 | 15.1 | 17.2 | 22.9 | 36.2 | 65.7 |
| 2.5° | 8.7 | 8.7 | 10.8 | 10.8 | 10.8 | 13.0 | 15.2 | 17.3 | 23.4 | 38.8 | 72.1 |
| 0° | 8.7 | 8.7 | 10.8 | 10.8 | 10.8 | 13.0 | 15.2 | 17.3 | 23.4 | 38.8 | 72.1 |
| -2.5° | 8.7 | 8.7 | 10.8 | 10.8 | 11.0 | 13.2 | 15.5 | 19.3 | 29.7 | 51.8 | 95.3 |
| -5° | 8.7 | 8.8 | 10.8 | 10.8 | 11.2 | 13.4 | 15.7 | 21.3 | 35.2 | 61.8 | 111.4 |
| -7.5° | 8.7 | 8.8 | 10.8 | 10.8 | 11.4 | 13.6 | 15.9 | 23.0 | 40.3 | 71.0 | 126.0 |
| -10° | 8.7 | 8.9 | 10.7 | 10.8 | 11.5 | 13.8 | 16.1 | 24.5 | 44.8 | 79.2 | 138.7 |
| -12.5° | 8.7 | 8.9 | 10.7 | 10.8 | 11.7 | 13.9 | 16.3 | 25.7 | 48.4 | 86.1 | 148.5 |
| -15° | 8.7 | 9.0 | 10.7 | 10.8 | 11.8 | 14.1 | 16.4 | 26.5 | 51.5 | 92.0 | 155.8 |
| -17.5° | 8.7 | 9.0 | 10.7 | 10.8 | 11.9 | 14.2 | 16.5 | 27.7 | 54.1 | 96.2 | 160.6 |
| -20° | 8.7 | 9.0 | 10.6 | 10.8 | 11.9 | 14.2 | 17.1 | 29.2 | 55.6 | 98.7 | 162.9 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| -22.5° | 8.7 | 9.1 | 10.6 | 10.8 | 12.0 | 14.3 | 18.1 | 30.2 | 56.1 | 99.4 | 162.5 |
| -25° | 8.7 | 9.1 | 10.6 | 10.8 | 12.0 | 14.4 | 18.7 | 30.7 | 55.4 | 98.0 | 159.2 |
| -27.5° | 8.7 | 9.1 | 10.5 | 10.8 | 11.9 | 14.4 | 19.0 | 30.7 | 53.5 | 95.5 | 157.3 |
| -30° | 8.7 | 9.2 | 10.5 | 10.8 | 11.8 | 14.3 | 18.9 | 30.1 | 52.3 | 93.1 | 152.7 |
| -32.5° | 8.7 | 9.2 | 10.5 | 10.8 | 11.7 | 14.1 | 18.3 | 29.8 | 51.5 | 89.0 | 145.3 |
| -35° | 8.7 | 9.2 | 10.5 | 10.8 | 11.6 | 13.8 | 17.9 | 29.3 | 49.8 | 83.1 | 135.0 |
| -37.5° | 8.7 | 9.2 | 10.5 | 10.8 | 11.4 | 13.5 | 17.6 | 28.0 | 47.3 | 75.5 | 121.0 |
| -40° | 8.7 | 9.2 | 10.4 | 10.8 | 11.2 | 13.3 | 17.1 | 26.0 | 44.1 | 70.4 | 107.8 |
| -42.5° | 8.7 | 9.2 | 10.4 | 10.8 | 11.2 | 13.1 | 16.4 | 23.4 | 40.7 | 64.1 | 93.6 |
| -45° | 8.7 | 9.2 | 10.4 | 10.9 | 11.3 | 12.8 | 15.5 | 21.1 | 36.9 | 56.8 | 79.4 |
| -47.5° | 8.7 | 9.2 | 10.4 | 10.9 | 11.3 | 12.5 | 14.5 | 19.9 | 32.0 | 48.8 | 70.4 |
| -50° | 8.7 | 9.2 | 10.4 | 11.0 | 11.4 | 12.3 | 14.1 | 18.4 | 25.9 | 41.8 | 60.6 |
| -52.5° | 8.7 | 9.2 | 10.5 | 11.0 | 11.5 | 12.0 | 13.7 | 16.7 | 22.4 | 34.3 | 50.2 |
| -55° | 8.7 | 9.2 | 10.5 | 11.0 | 11.5 | 12.0 | 13.3 | 15.0 | 20.1 | 26.5 | 41.3 |
| -57.5° | 8.7 | 9.2 | 10.5 | 11.0 | 11.6 | 12.0 | 12.9 | 14.6 | 17.7 | 22.5 | 31.9 |
| -60° | 8.7 | 9.2 | 10.5 | 11.0 | 11.6 | 12.1 | 12.6 | 14.1 | 15.6 | 19.8 | 24.3 |
| -62.5° | 8.7 | 9.1 | 10.4 | 10.9 | 11.5 | 12.1 | 12.6 | 13.6 | 15.0 | 16.9 | 21.1 |
| -65° | 8.7 | 9.1 | 10.3 | 10.9 | 11.4 | 12.2 | 12.7 | 13.2 | 14.4 | 15.8 | 17.9 |
| -67.5° | 8.7 | 9.1 | 10.2 | 10.9 | 11.3 | 12.1 | 12.8 | 13.2 | 13.8 | 15.1 | 16.4 |
| -70° | 8.7 | 9.0 | 10.0 | 10.8 | 11.2 | 11.8 | 12.8 | 13.1 | 13.6 | 14.4 | 15.6 |
| -72.5° | 8.7 | 9.0 | 9.9 | 10.6 | 11.0 | 11.6 | 12.4 | 13.0 | 13.3 | 13.9 | 14.8 |
| -75° | 8.7 | 9.0 | 9.7 | 10.3 | 10.8 | 11.2 | 11.9 | 12.5 | 13.0 | 13.4 | 14.0 |
| -77.5° | 8.7 | 8.9 | 9.6 | 10.1 | 10.5 | 10.9 | 11.4 | 11.9 | 12.3 | 12.8 | 13.2 |
| -80° | 8.7 | 8.9 | 9.4 | 9.8 | 10.2 | 10.5 | 10.9 | 11.2 | 11.6 | 12.0 | 12.3 |
| -82.5° | 8.7 | 8.8 | 9.2 | 9.5 | 9.8 | 10.1 | 10.3 | 10.6 | 10.9 | 11.1 | 11.4 |
| -85° | 8.7 | 8.8 | 9.1 | 9.2 | 9.4 | 9.6 | 9.8 | 10.0 | 10.1 | 10.3 | 10.5 |
| -87.5° | 8.7 | 8.7 | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 |
| -90° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|---------|---------|
| 90° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 87.5° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 85° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 82.5° | 9.3 | 9.2 | 9.0 | 8.7 | 8.7 | 8.7 | 8.7 | 8.9 | 9.0 | 9.0 | 8.9 |
| 80° | 10.1 | 9.8 | 9.5 | 9.4 | 9.6 | 9.9 | 10.2 | 10.4 | 10.3 | 9.8 | 9.3 |
| 77.5° | 10.5 | 10.3 | 10.3 | 10.5 | 10.8 | 10.8 | 10.8 | 10.8 | 10.4 | 9.9 | 9.4 |
| 75° | 10.7 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 11.2 | 11.4 | 11.2 | 11.0 |
| 72.5° | 10.8 | 10.8 | 10.8 | 10.8 | 10.9 | 11.2 | 11.7 | 12.5 | 13.0 | 12.9 | 12.8 |
| 70° | 10.8 | 10.8 | 10.8 | 10.8 | 10.9 | 11.7 | 12.8 | 13.9 | 14.7 | 15.0 | 15.9 |
| 67.5° | 10.8 | 10.8 | 10.8 | 10.9 | 11.7 | 12.9 | 14.1 | 16.2 | 18.8 | 19.9 | 21.3 |
| 65° | 10.8 | 10.8 | 11.1 | 11.8 | 12.9 | 14.5 | 16.7 | 19.6 | 25.4 | 28.6 | 29.9 |
| 62.5° | 10.8 | 11.0 | 11.5 | 12.6 | 14.0 | 16.0 | 20.2 | 26.6 | 34.7 | 39.4 | 39.0 |
| 60° | 10.8 | 11.1 | 12.2 | 13.6 | 15.3 | 18.5 | 24.6 | 33.1 | 44.0 | 51.9 | 46.9 |
| 57.5° | 10.8 | 11.5 | 13.1 | 15.0 | 17.5 | 20.4 | 28.2 | 38.7 | 49.6 | 61.4 | 52.5 |
| 55° | 11.1 | 12.3 | 14.3 | 17.0 | 19.5 | 22.1 | 29.6 | 38.9 | 51.1 | 57.6 | 49.0 |
| 52.5° | 12.0 | 13.4 | 16.1 | 18.7 | 21.2 | 22.8 | 26.3 | 35.2 | 41.7 | 46.6 | 41.8 |
| 50° | 12.8 | 15.0 | 17.7 | 19.9 | 21.6 | 21.6 | 20.7 | 27.5 | 32.7 | 34.4 | 33.9 |
| 47.5° | 13.9 | 16.5 | 18.5 | 20.4 | 20.8 | 20.3 | 18.2 | 21.5 | 25.1 | 26.8 | 25.6 |
| 45° | 15.1 | 17.3 | 19.2 | 19.9 | 20.2 | 19.5 | 18.8 | 17.8 | 21.8 | 22.6 | 21.6 |
| 42.5° | 16.0 | 17.9 | 19.4 | 19.6 | 20.4 | 20.8 | 20.7 | 20.1 | 20.6 | 21.1 | 20.9 |
| 40° | 16.5 | 18.5 | 19.8 | 21.5 | 21.8 | 23.7 | 25.0 | 24.8 | 21.2 | 23.4 | 23.8 |
| 37.5° | 17.0 | 19.1 | 21.5 | 25.9 | 25.3 | 28.3 | 30.6 | 33.8 | 30.8 | 28.9 | 32.4 |
| 35° | 17.4 | 20.0 | 27.3 | 32.6 | 32.8 | 34.7 | 42.3 | 46.0 | 43.6 | 41.3 | 45.6 |
| 32.5° | 18.1 | 21.1 | 34.9 | 40.5 | 43.6 | 46.6 | 57.3 | 59.4 | 61.4 | 62.5 | 65.9 |
| 30° | 20.1 | 28.1 | 43.7 | 49.4 | 56.1 | 67.8 | 73.5 | 75.3 | 83.2 | 93.8 | 122.7 |
| 27.5° | 24.1 | 37.3 | 52.1 | 60.8 | 71.6 | 91.5 | 99.0 | 100.0 | 113.2 | 140.9 | 210.5 |
| 25° | 29.1 | 59.1 | 61.0 | 74.0 | 94.0 | 117.9 | 133.4 | 148.3 | 153.3 | 236.8 | 402.7 |
| 22.5° | 40.9 | 87.0 | 96.9 | 88.0 | 118.0 | 148.7 | 181.6 | 223.6 | 287.1 | 383.4 | 629.6 |
| 20° | 61.5 | 117.7 | 141.6 | 147.7 | 155.2 | 183.6 | 237.5 | 322.1 | 520.6 | 863.4 | 1190.4 |
| 17.5° | 85.3 | 152.9 | 191.6 | 223.0 | 258.3 | 269.8 | 304.7 | 439.7 | 815.2 | 1547.7 | 2404.6 |
| 15° | 111.5 | 192.0 | 245.6 | 307.2 | 372.5 | 422.6 | 495.9 | 706.6 | 1312.3 | 2492.9 | 3964.4 |
| 12.5° | 139.2 | 233.7 | 302.7 | 398.4 | 495.0 | 584.7 | 722.1 | 1172.7 | 2191.6 | 3829.1 | 6061.4 |
| 10° | 167.6 | 277.2 | 361.7 | 494.4 | 623.4 | 753.3 | 956.7 | 1706.3 | 3231.4 | 5253.2 | 7971.7 |
| 7.5° | 198.6 | 319.9 | 420.5 | 592.6 | 755.1 | 925.4 | 1195.0 | 2280.2 | 4308.2 | 6568.6 | 9626.6 |
| 5° | 229.0 | 359.7 | 472.6 | 671.4 | 862.9 | 1074.7 | 1411.4 | 2862.1 | 5376.7 | 7768.6 | 11126.9 |
| 2.5° | 257.1 | 397.1 | 522.8 | 743.0 | 951.6 | 1183.9 | 1530.3 | 3102.1 | 5991.9 | 8654.1 | 12605.9 |
| 0° | 281.8 | 431.4 | 570.2 | 808.7 | 1034.1 | 1285.6 | 1634.7 | 3275.8 | 6415.1 | 9333.1 | 14048.5 |
| -2.5° | 292.5 | 444.5 | 593.7 | 828.6 | 1030.8 | 1269.4 | 1635.2 | 3333.4 | 6777.8 | 10139.6 | 14777.0 |
| -5° | 299.1 | 453.8 | 612.5 | 841.6 | 1022.5 | 1245.4 | 1619.3 | 3308.0 | 6837.3 | 10326.1 | 14489.2 |
| -7.5° | 301.9 | 459.2 | 625.8 | 844.5 | 1001.6 | 1197.8 | 1546.9 | 3066.4 | 6189.2 | 9470.9 | 13139.7 |
| -10° | 301.1 | 457.8 | 620.4 | 818.1 | 963.5 | 1134.4 | 1450.1 | 2748.0 | 5438.9 | 8505.8 | 11705.3 |
| -12.5° | 295.6 | 450.4 | 608.2 | 789.1 | 926.4 | 1067.8 | 1338.9 | 2356.1 | 4616.4 | 7459.7 | 10332.3 |
| -15° | 287.9 | 440.1 | 592.0 | 759.0 | 892.0 | 999.3 | 1213.7 | 1893.3 | 3759.3 | 6521.2 | 9229.8 |
| -17.5° | 278.3 | 427.1 | 572.0 | 728.8 | 861.8 | 930.2 | 1079.8 | 1430.2 | 2992.7 | 5515.9 | 8119.7 |
| -20° | 267.3 | 411.6 | 548.4 | 699.6 | 834.1 | 884.8 | 1008.7 | 1289.5 | 2366.4 | 4395.7 | 6914.6 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|
| -22.5° | 255.2 | 393.8 | 523.7 | 669.1 | 793.7 | 861.1 | 946.2 | 1140.6 | 1687.5 | 3169.3 | 5613.3 |
| -25° | 247.9 | 375.0 | 499.6 | 628.9 | 753.6 | 838.5 | 882.3 | 997.7 | 1275.8 | 2391.5 | 4240.4 |
| -27.5° | 243.0 | 356.4 | 467.1 | 585.6 | 714.0 | 810.6 | 846.7 | 926.0 | 1121.3 | 1584.7 | 2949.9 |
| -30° | 234.5 | 327.8 | 431.8 | 541.4 | 665.5 | 766.2 | 824.1 | 870.6 | 988.6 | 1242.3 | 2023.3 |
| -32.5° | 217.0 | 297.3 | 396.4 | 500.0 | 612.0 | 723.8 | 807.0 | 852.0 | 928.2 | 1059.5 | 1321.8 |
| -35° | 196.3 | 272.1 | 360.1 | 456.0 | 556.8 | 671.6 | 769.4 | 843.6 | 879.6 | 970.1 | 1138.2 |
| -37.5° | 177.3 | 245.2 | 322.2 | 411.9 | 506.5 | 612.3 | 726.5 | 810.1 | 869.9 | 911.4 | 1031.4 |
| -40° | 156.3 | 216.5 | 288.8 | 369.0 | 455.7 | 552.7 | 658.6 | 762.2 | 841.8 | 910.8 | 964.2 |
| -42.5° | 134.4 | 191.4 | 255.8 | 324.7 | 406.4 | 494.1 | 587.7 | 690.9 | 793.5 | 886.8 | 958.9 |
| -45° | 117.6 | 164.3 | 222.0 | 286.2 | 355.8 | 434.8 | 520.9 | 611.0 | 718.0 | 825.3 | 918.7 |
| -47.5° | 99.8 | 137.9 | 190.0 | 245.2 | 307.6 | 377.0 | 452.5 | 537.2 | 627.7 | 731.3 | 841.0 |
| -50° | 83.0 | 117.2 | 155.5 | 206.4 | 260.5 | 320.6 | 387.3 | 461.6 | 542.8 | 628.9 | 724.2 |
| -52.5° | 70.9 | 95.5 | 128.9 | 167.4 | 215.3 | 266.8 | 324.9 | 388.9 | 459.0 | 532.4 | 609.8 |
| -55° | 58.0 | 79.0 | 103.2 | 134.8 | 171.6 | 216.3 | 265.1 | 320.9 | 377.2 | 442.4 | 501.6 |
| -57.5° | 46.3 | 63.4 | 82.6 | 105.5 | 135.4 | 168.0 | 210.8 | 255.2 | 305.7 | 356.7 | 400.4 |
| -60° | 35.3 | 49.3 | 65.3 | 82.8 | 102.2 | 130.2 | 159.0 | 196.0 | 236.8 | 275.9 | 313.3 |
| -62.5° | 25.3 | 36.7 | 49.7 | 63.9 | 79.8 | 96.0 | 119.5 | 145.6 | 171.6 | 204.4 | 234.7 |
| -65° | 21.7 | 26.0 | 35.5 | 47.4 | 59.5 | 74.7 | 89.6 | 103.8 | 125.6 | 146.9 | 166.8 |
| -67.5° | 17.9 | 21.4 | 25.6 | 31.6 | 42.6 | 54.9 | 67.3 | 80.6 | 93.2 | 104.1 | 116.4 |
| -70° | 16.5 | 17.2 | 20.0 | 23.8 | 28.7 | 36.4 | 47.4 | 58.5 | 69.3 | 79.7 | 89.6 |
| -72.5° | 15.6 | 16.2 | 16.7 | 17.2 | 21.1 | 26.4 | 32.1 | 38.2 | 45.8 | 54.2 | 62.9 |
| -75° | 14.6 | 15.1 | 15.6 | 16.1 | 17.3 | 19.3 | 22.0 | 26.9 | 31.6 | 35.9 | 39.9 |
| -77.5° | 13.6 | 14.1 | 14.5 | 14.9 | 15.7 | 16.9 | 18.5 | 20.4 | 22.7 | 25.3 | 28.0 |
| -80° | 12.6 | 13.0 | 13.3 | 13.6 | 14.1 | 14.8 | 15.6 | 16.5 | 17.9 | 19.7 | 21.8 |
| -82.5° | 11.6 | 11.9 | 12.1 | 12.4 | 12.6 | 12.8 | 13.1 | 13.5 | 14.1 | 14.9 | 15.8 |
| -85° | 10.6 | 10.8 | 11.0 | 11.1 | 11.3 | 11.4 | 11.6 | 11.7 | 11.8 | 12.0 | 12.1 |
| -87.5° | 9.7 | 9.7 | 9.8 | 9.9 | 10.0 | 10.0 | 10.1 | 10.2 | 10.2 | 10.3 | 10.4 |
| -90° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 90° | 8.7 | 9.2 | 9.8 | 10.3 | 10.8 | 12.4 | 14.0 | 15.7 | 17.3 | 16.8 | 16.2 |
| 87.5° | 8.7 | 8.2 | 7.6 | 7.1 | 6.5 | 6.0 | 5.4 | 4.9 | 4.3 | 3.8 | 3.3 |
| 85° | 8.7 | 8.5 | 8.4 | 8.3 | 8.3 | 7.8 | 7.3 | 6.9 | 6.4 | 5.4 | 4.3 |
| 82.5° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.2 | 7.6 | 7.1 | 6.5 | 5.5 | 4.4 |
| 80° | 8.8 | 8.7 | 8.7 | 8.7 | 8.7 | 8.2 | 7.7 | 7.1 | 6.5 | 5.5 | 4.4 |
| 77.5° | 9.0 | 9.1 | 9.1 | 9.0 | 8.8 | 8.3 | 7.7 | 7.1 | 6.6 | 5.6 | 4.5 |
| 75° | 10.8 | 10.5 | 10.2 | 9.6 | 8.9 | 8.3 | 7.7 | 7.2 | 6.6 | 6.0 | 5.4 |
| 72.5° | 12.6 | 12.2 | 11.6 | 11.2 | 10.6 | 10.2 | 9.7 | 9.2 | 8.4 | 7.9 | 7.5 |
| 70° | 16.7 | 17.1 | 16.6 | 15.8 | 14.5 | 13.3 | 12.4 | 11.5 | 10.6 | 9.7 | 8.8 |
| 67.5° | 22.6 | 22.6 | 21.4 | 19.7 | 17.2 | 14.8 | 13.7 | 12.5 | 11.3 | 10.7 | 10.5 |
| 65° | 29.6 | 26.9 | 24.3 | 21.3 | 18.1 | 15.0 | 13.8 | 12.6 | 11.4 | 10.8 | 10.8 |
| 62.5° | 36.0 | 29.1 | 23.4 | 19.9 | 17.2 | 15.0 | 13.4 | 11.8 | 10.3 | 9.3 | 9.1 |
| 60° | 38.7 | 27.6 | 19.8 | 17.2 | 15.1 | 13.2 | 11.7 | 10.4 | 9.4 | 8.6 | 8.1 |
| 57.5° | 38.8 | 26.2 | 16.7 | 14.5 | 12.7 | 11.3 | 10.5 | 9.9 | 9.3 | 8.6 | 8.0 |
| 55° | 35.3 | 23.3 | 13.8 | 12.4 | 11.8 | 11.2 | 10.6 | 10.0 | 9.4 | 8.7 | 8.1 |
| 52.5° | 28.8 | 20.5 | 14.7 | 12.6 | 12.0 | 11.4 | 10.7 | 10.1 | 9.5 | 8.8 | 8.2 |
| 50° | 25.0 | 18.8 | 14.9 | 12.8 | 12.2 | 11.5 | 10.9 | 10.7 | 10.7 | 10.2 | 9.8 |
| 47.5° | 21.6 | 17.2 | 14.8 | 13.1 | 12.9 | 13.7 | 14.4 | 14.6 | 14.3 | 13.8 | 13.2 |
| 45° | 19.0 | 16.6 | 15.4 | 16.1 | 16.7 | 18.1 | 18.8 | 18.9 | 18.9 | 19.0 | 18.9 |
| 42.5° | 18.8 | 18.9 | 20.2 | 22.3 | 22.2 | 25.0 | 26.4 | 23.3 | 26.6 | 28.5 | 26.9 |
| 40° | 24.9 | 25.5 | 31.5 | 36.4 | 40.9 | 41.6 | 48.6 | 49.6 | 50.6 | 53.6 | 54.2 |
| 37.5° | 36.5 | 42.9 | 61.4 | 75.3 | 81.2 | 81.6 | 91.9 | 94.0 | 91.0 | 103.5 | 107.2 |
| 35° | 55.9 | 84.9 | 114.8 | 132.2 | 141.9 | 149.2 | 163.1 | 179.1 | 171.6 | 199.1 | 208.7 |
| 32.5° | 100.3 | 153.3 | 207.8 | 205.7 | 224.3 | 273.7 | 292.1 | 321.1 | 351.5 | 398.0 | 448.9 |
| 30° | 168.9 | 311.8 | 374.9 | 351.9 | 404.0 | 474.6 | 475.0 | 556.1 | 669.1 | 765.1 | 909.6 |
| 27.5° | 380.4 | 540.4 | 623.0 | 659.9 | 699.4 | 788.5 | 899.0 | 1002.2 | 1289.7 | 1486.2 | 1692.8 |
| 25° | 645.7 | 866.8 | 955.1 | 1092.3 | 1216.8 | 1299.5 | 1633.5 | 1877.3 | 2290.5 | 2590.5 | 2900.9 |
| 22.5° | 1041.2 | 1333.4 | 1516.4 | 1640.6 | 2060.1 | 2433.1 | 2789.9 | 3320.8 | 3731.2 | 4245.8 | 4633.5 |
| 20° | 1536.4 | 1931.1 | 2603.2 | 3130.6 | 3394.1 | 4186.4 | 4831.8 | 5380.5 | 6108.4 | 6746.5 | 7314.1 |
| 17.5° | 2899.1 | 3120.8 | 4525.1 | 5899.3 | 6454.9 | 7479.3 | 9334.9 | 10035.0 | 12130.8 | 13665.4 | 14494.1 |
| 15° | 5249.4 | 6321.7 | 7800.7 | 10091.8 | 12633.3 | 14641.1 | 16400.0 | 20002.0 | 24000.8 | 27545.6 | 31277.9 |
| 12.5° | 8300.9 | 10397.9 | 12887.1 | 15689.7 | 20268.9 | 23902.5 | 27794.6 | 32942.3 | 39402.2 | 45024.3 | 51638.4 |
| 10° | 11357.8 | 14901.2 | 18342.1 | 22709.1 | 28493.3 | 34103.6 | 39709.4 | 47862.7 | 57351.7 | 66462.1 | 74339.2 |
| 7.5° | 13885.3 | 18689.1 | 23352.1 | 29389.5 | 37268.1 | 45084.7 | 52919.7 | 63703.5 | 76253.2 | 86650.8 | 95589.5 |
| 5° | 16457.9 | 22473.8 | 27943.8 | 34906.6 | 44179.2 | 53699.4 | 63504.5 | 76950.8 | 91774.1 | 103547.8 | 112770.3 |
| 2.5° | 18820.1 | 25637.0 | 31968.2 | 39732.2 | 50058.0 | 59372.7 | 70533.9 | 87041.1 | 104704.1 | 117405.5 | 127572.5 |
| 0° | 20728.0 | 27117.1 | 33881.2 | 41694.6 | 53288.9 | 63556.5 | 75517.2 | 93218.8 | 111700.8 | 124391.0 | 133773.0 |
| -2.5° | 20317.3 | 26779.7 | 33103.9 | 41042.3 | 52682.4 | 62135.0 | 74243.8 | 91660.2 | 109920.5 | 122813.6 | 131240.1 |
| -5° | 19035.3 | 24754.9 | 30433.2 | 37888.7 | 48124.6 | 57335.6 | 69193.8 | 87096.5 | 104612.0 | 117759.7 | 127455.6 |
| -7.5° | 17139.5 | 21995.8 | 27146.1 | 33939.7 | 42849.5 | 51660.7 | 61974.7 | 76242.3 | 92590.2 | 104482.9 | 111510.7 |
| -10° | 15143.6 | 19164.5 | 23987.8 | 29728.9 | 37082.3 | 44996.3 | 53561.8 | 64991.2 | 78960.3 | 89389.7 | 96056.9 |
| -12.5° | 13394.1 | 16877.9 | 21180.7 | 25426.8 | 31426.3 | 38474.9 | 46080.8 | 55433.7 | 64651.2 | 75649.2 | 81413.3 |
| -15° | 11782.6 | 14686.4 | 18383.7 | 22455.0 | 27440.6 | 32980.4 | 38430.2 | 45433.2 | 51435.7 | 58305.5 | 63296.6 |
| -17.5° | 10434.3 | 12753.4 | 16029.4 | 19974.9 | 23728.9 | 28499.2 | 33700.0 | 38443.7 | 43518.5 | 48477.6 | 52616.7 |
| -20° | 9215.8 | 11129.2 | 13922.6 | 17396.4 | 21095.0 | 25151.5 | 29740.7 | 33602.0 | 37748.9 | 41517.2 | 44754.6 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 7831.0 | 9771.2 | 11934.6 | 14906.8 | 18610.9 | 22247.6 | 25646.0 | 28564.1 | 31697.6 | 34742.7 | 37041.5 |
| -25° | 6389.7 | 8251.9 | 10323.1 | 13128.1 | 16162.4 | 19222.5 | 21629.2 | 23683.7 | 26129.7 | 28324.0 | 30296.7 |
| -27.5° | 4899.5 | 6884.9 | 9118.8 | 11461.7 | 14101.0 | 16045.6 | 18071.0 | 19929.0 | 21788.0 | 23264.4 | 24930.3 |
| -30° | 3406.2 | 5572.5 | 7769.6 | 9987.2 | 11795.0 | 13347.3 | 14857.9 | 16561.8 | 18243.7 | 19646.9 | 20822.8 |
| -32.5° | 2339.1 | 3901.8 | 6118.8 | 8181.0 | 9726.3 | 11045.5 | 12212.3 | 13665.3 | 14968.7 | 16123.5 | 17152.3 |
| -35° | 1404.9 | 2505.8 | 4028.1 | 5987.9 | 7678.7 | 8962.2 | 10150.6 | 11252.4 | 12225.3 | 13198.0 | 13971.8 |
| -37.5° | 1203.5 | 1447.4 | 2370.8 | 3673.9 | 5283.0 | 6836.3 | 8057.3 | 9088.6 | 9995.1 | 10744.1 | 11400.8 |
| -40° | 1083.8 | 1228.0 | 1429.8 | 1874.5 | 3059.3 | 4245.6 | 5578.2 | 6753.6 | 7709.8 | 8413.4 | 8984.8 |
| -42.5° | 1013.1 | 1105.6 | 1204.3 | 1362.7 | 1538.8 | 2101.9 | 3121.5 | 4095.4 | 4935.7 | 5715.1 | 6384.1 |
| -45° | 1001.0 | 1040.2 | 1093.4 | 1182.6 | 1263.9 | 1409.9 | 1569.2 | 1724.9 | 2385.9 | 3012.3 | 3526.3 |
| -47.5° | 926.0 | 1005.8 | 1054.6 | 1094.7 | 1137.2 | 1206.2 | 1273.6 | 1345.7 | 1465.9 | 1578.7 | 1675.6 |
| -50° | 816.6 | 902.5 | 976.2 | 1048.2 | 1086.0 | 1114.0 | 1141.8 | 1177.7 | 1224.6 | 1267.4 | 1306.8 |
| -52.5° | 682.4 | 765.0 | 847.7 | 924.5 | 984.5 | 1039.6 | 1089.2 | 1112.4 | 1130.1 | 1146.2 | 1158.8 |
| -55° | 563.2 | 628.5 | 693.6 | 763.7 | 833.0 | 899.0 | 956.0 | 993.6 | 1027.5 | 1057.5 | 1083.1 |
| -57.5° | 450.8 | 501.7 | 554.7 | 611.8 | 667.1 | 720.3 | 771.0 | 817.3 | 858.4 | 894.2 | 924.2 |
| -60° | 349.3 | 383.5 | 427.8 | 473.1 | 516.2 | 557.0 | 598.1 | 635.5 | 669.3 | 699.1 | 722.4 |
| -62.5° | 262.1 | 290.5 | 324.2 | 356.1 | 384.3 | 414.8 | 453.2 | 485.4 | 511.7 | 533.1 | 551.8 |
| -65° | 188.2 | 212.0 | 239.0 | 265.8 | 292.1 | 318.2 | 345.0 | 370.9 | 395.6 | 415.3 | 429.2 |
| -67.5° | 133.6 | 150.5 | 169.5 | 186.1 | 205.7 | 228.6 | 252.9 | 275.1 | 295.4 | 309.3 | 317.8 |
| -70° | 98.5 | 108.4 | 122.1 | 138.0 | 154.5 | 169.7 | 185.1 | 200.6 | 215.8 | 226.6 | 234.7 |
| -72.5° | 71.9 | 81.6 | 91.8 | 102.0 | 113.1 | 124.3 | 135.6 | 147.0 | 158.4 | 165.5 | 170.4 |
| -75° | 43.5 | 49.3 | 58.1 | 66.7 | 75.0 | 82.8 | 90.1 | 97.0 | 103.4 | 106.8 | 109.0 |
| -77.5° | 31.3 | 35.3 | 39.7 | 44.1 | 48.7 | 53.3 | 57.9 | 62.4 | 67.0 | 69.0 | 70.5 |
| -80° | 23.9 | 26.1 | 28.6 | 31.2 | 33.8 | 36.6 | 39.4 | 42.3 | 45.1 | 45.6 | 45.6 |
| -82.5° | 16.9 | 18.6 | 20.2 | 21.9 | 23.5 | 25.0 | 26.5 | 28.0 | 29.5 | 29.8 | 30.0 |
| -85° | 12.2 | 13.2 | 14.2 | 15.3 | 16.5 | 17.6 | 18.8 | 20.0 | 21.2 | 21.4 | 21.5 |
| -87.5° | 10.4 | 11.0 | 11.6 | 12.2 | 12.8 | 13.5 | 14.1 | 14.7 | 15.3 | 15.2 | 15.2 |
| -90° | 8.7 | 8.2 | 7.6 | 7.1 | 6.5 | 6.0 | 5.4 | 4.9 | 4.3 | 3.8 | 3.3 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| 90° | 15.7 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.7 | 16.2 | 16.8 | 17.3 | 15.7 |
| 87.5° | 2.7 | 2.2 | 1.1 | 0.0 | 1.1 | 2.2 | 2.7 | 3.3 | 3.8 | 4.3 | 4.9 |
| 85° | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 3.3 | 4.3 | 5.4 | 6.4 | 6.9 |
| 82.5° | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 3.3 | 4.4 | 5.5 | 6.5 | 7.1 |
| 80° | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 3.3 | 4.4 | 5.5 | 6.5 | 7.1 |
| 77.5° | 3.4 | 2.3 | 2.2 | 2.2 | 2.2 | 2.3 | 3.4 | 4.5 | 5.6 | 6.6 | 7.1 |
| 75° | 4.8 | 4.3 | 3.3 | 2.2 | 3.3 | 4.3 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 |
| 72.5° | 7.0 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 7.0 | 7.5 | 7.9 | 8.4 | 9.2 |
| 70° | 7.7 | 6.6 | 6.5 | 6.5 | 6.5 | 6.6 | 7.7 | 8.8 | 9.7 | 10.6 | 11.5 |
| 67.5° | 10.6 | 10.7 | 9.8 | 8.7 | 9.8 | 10.7 | 10.6 | 10.5 | 10.7 | 11.3 | 12.5 |
| 65° | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 11.4 | 12.6 |
| 62.5° | 8.9 | 8.8 | 8.7 | 8.7 | 8.7 | 8.8 | 8.9 | 9.1 | 9.3 | 10.3 | 11.8 |
| 60° | 7.5 | 6.8 | 6.5 | 6.5 | 6.5 | 6.8 | 7.5 | 8.1 | 8.6 | 9.4 | 10.4 |
| 57.5° | 7.4 | 6.7 | 6.5 | 6.5 | 6.5 | 6.7 | 7.4 | 8.0 | 8.6 | 9.3 | 9.9 |
| 55° | 7.4 | 6.7 | 6.5 | 6.5 | 6.5 | 6.7 | 7.4 | 8.1 | 8.7 | 9.4 | 10.0 |
| 52.5° | 7.5 | 6.8 | 7.3 | 8.7 | 7.3 | 6.8 | 7.5 | 8.2 | 8.8 | 9.5 | 10.1 |
| 50° | 9.3 | 8.9 | 8.7 | 8.7 | 8.7 | 8.9 | 9.3 | 9.8 | 10.2 | 10.7 | 10.7 |
| 47.5° | 12.5 | 11.4 | 10.8 | 10.8 | 10.8 | 11.4 | 12.5 | 13.2 | 13.8 | 14.3 | 14.6 |
| 45° | 17.7 | 16.1 | 15.1 | 15.2 | 15.1 | 16.1 | 17.7 | 18.9 | 19.0 | 18.9 | 18.9 |
| 42.5° | 26.6 | 26.1 | 25.7 | 26.0 | 25.7 | 26.1 | 26.6 | 26.9 | 28.5 | 26.6 | 23.3 |
| 40° | 57.1 | 57.9 | 57.7 | 58.5 | 57.7 | 57.9 | 57.1 | 54.2 | 53.6 | 50.6 | 49.6 |
| 37.5° | 107.6 | 104.0 | 98.5 | 99.7 | 98.5 | 104.0 | 107.6 | 107.2 | 103.5 | 91.0 | 94.0 |
| 35° | 209.9 | 215.3 | 215.0 | 216.8 | 215.0 | 215.3 | 209.9 | 208.7 | 199.1 | 171.6 | 179.1 |
| 32.5° | 485.7 | 511.5 | 512.1 | 522.5 | 512.1 | 511.5 | 485.7 | 448.9 | 398.0 | 351.5 | 321.1 |
| 30° | 954.3 | 974.8 | 943.9 | 958.2 | 943.9 | 974.8 | 954.3 | 909.6 | 765.1 | 669.1 | 556.1 |
| 27.5° | 1800.3 | 1876.1 | 1875.4 | 1842.8 | 1875.4 | 1876.1 | 1800.3 | 1692.8 | 1486.2 | 1289.7 | 1002.2 |
| 25° | 3162.1 | 3279.3 | 3257.7 | 3219.4 | 3257.7 | 3279.3 | 3162.1 | 2900.9 | 2590.5 | 2290.5 | 1877.3 |
| 22.5° | 4985.6 | 5179.2 | 5334.3 | 5233.5 | 5334.3 | 5179.2 | 4985.6 | 4633.5 | 4245.8 | 3731.2 | 3320.8 |
| 20° | 8149.1 | 8204.3 | 8369.0 | 8309.9 | 8369.0 | 8204.3 | 8149.1 | 7314.1 | 6746.5 | 6108.4 | 5380.5 |
| 17.5° | 16739.5 | 17340.1 | 16922.2 | 15650.6 | 16922.2 | 17340.1 | 16739.5 | 14494.1 | 13665.4 | 12130.8 | 10035.0 |
| 15° | 33899.3 | 36416.3 | 38370.8 | 37297.9 | 38370.8 | 36416.3 | 33899.3 | 31277.9 | 27545.6 | 24000.8 | 20002.0 |
| 12.5° | 55514.5 | 57371.8 | 58614.3 | 58705.7 | 58614.3 | 57371.8 | 55514.5 | 51638.4 | 45024.3 | 39402.2 | 32942.3 |
| 10° | 79680.9 | 81322.0 | 83520.2 | 83829.2 | 83520.2 | 81322.0 | 79680.9 | 74339.2 | 66462.1 | 57351.7 | 47862.7 |
| 7.5° | 100025.7 | 103353.6 | 104894.4 | 104687.4 | 104894.4 | 103353.6 | 100025.7 | 95589.5 | 86650.8 | 76253.2 | 63703.5 |
| 5° | 118220.7 | 121668.5 | 123178.6 | 123429.6 | 123178.6 | 121668.5 | 118220.7 | 112770.3 | 103547.8 | 91774.1 | 76950.8 |
| 2.5° | 133662.5 | 137143.4 | 138957.8 | 138460.2 | 138957.8 | 137143.4 | 133662.5 | 127572.5 | 117405.5 | 104704.1 | 87041.1 |
| 0° | 138658.5 | 141399.9 | 142920.8 | 142503.4 | 142920.8 | 141399.9 | 138658.5 | 133773.0 | 124391.0 | 111700.8 | 93218.8 |
| -2.5° | 135482.6 | 137134.5 | 138280.7 | 137837.9 | 138280.7 | 137134.5 | 135482.6 | 131240.1 | 122813.6 | 109920.5 | 91660.2 |
| -5° | 131963.0 | 133923.1 | 134351.9 | 134876.5 | 134351.9 | 133923.1 | 131963.0 | 127455.6 | 117759.7 | 104612.0 | 87096.5 |
| -7.5° | 114184.0 | 116280.8 | 116973.3 | 118022.6 | 116973.3 | 116280.8 | 114184.0 | 111510.7 | 104482.9 | 92590.2 | 76242.3 |
| -10° | 99684.8 | 102036.5 | 102149.9 | 102796.9 | 102149.9 | 102036.5 | 99684.8 | 96056.9 | 89389.7 | 78960.3 | 64991.2 |
| -12.5° | 87539.8 | 90776.0 | 91849.8 | 91592.8 | 91849.8 | 90776.0 | 87539.8 | 81413.3 | 75649.2 | 64651.2 | 55433.7 |
| -15° | 69941.6 | 72706.1 | 72903.4 | 73032.7 | 72903.4 | 72706.1 | 69941.6 | 63296.6 | 58305.5 | 51435.7 | 45433.2 |
| -17.5° | 57008.7 | 59695.1 | 60730.7 | 61052.5 | 60730.7 | 59695.1 | 57008.7 | 52616.7 | 48477.6 | 43518.5 | 38443.7 |
| -20° | 47533.6 | 49533.5 | 50798.6 | 51322.6 | 50798.6 | 49533.5 | 47533.6 | 44754.6 | 41517.2 | 37748.9 | 33602.0 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 39050.8 | 40318.5 | 40780.9 | 40896.8 | 40780.9 | 40318.5 | 39050.8 | 37041.5 | 34742.7 | 31697.6 | 28564.1 |
| -25° | 31682.4 | 32689.4 | 33274.8 | 33519.1 | 33274.8 | 32689.4 | 31682.4 | 30296.7 | 28324.0 | 26129.7 | 23683.7 |
| -27.5° | 26010.9 | 26907.0 | 27470.5 | 27557.2 | 27470.5 | 26907.0 | 26010.9 | 24930.3 | 23264.4 | 21788.0 | 19929.0 |
| -30° | 21723.1 | 22510.1 | 23036.6 | 23180.0 | 23036.6 | 22510.1 | 21723.1 | 20822.8 | 19646.9 | 18243.7 | 16561.8 |
| -32.5° | 17999.8 | 18673.4 | 19086.6 | 19264.7 | 19086.6 | 18673.4 | 17999.8 | 17152.3 | 16123.5 | 14968.7 | 13665.3 |
| -35° | 14549.5 | 15002.3 | 15266.9 | 15180.2 | 15266.9 | 15002.3 | 14549.5 | 13971.8 | 13198.0 | 12225.3 | 11252.4 |
| -37.5° | 11927.4 | 12291.7 | 12489.9 | 12500.6 | 12489.9 | 12291.7 | 11927.4 | 11400.8 | 10744.1 | 9995.1 | 9088.6 |
| -40° | 9458.1 | 9828.2 | 10051.2 | 10063.8 | 10051.2 | 9828.2 | 9458.1 | 8984.8 | 8413.4 | 7709.8 | 6753.6 |
| -42.5° | 6916.2 | 7295.1 | 7553.8 | 7722.3 | 7553.8 | 7295.1 | 6916.2 | 6384.1 | 5715.1 | 4935.7 | 4095.4 |
| -45° | 3955.1 | 4282.4 | 4532.0 | 4713.2 | 4532.0 | 4282.4 | 3955.1 | 3526.3 | 3012.3 | 2385.9 | 1724.9 |
| -47.5° | 1747.9 | 1801.0 | 1824.2 | 1816.8 | 1824.2 | 1801.0 | 1747.9 | 1675.6 | 1578.7 | 1465.9 | 1345.7 |
| -50° | 1342.9 | 1374.3 | 1390.1 | 1389.7 | 1390.1 | 1374.3 | 1342.9 | 1306.8 | 1267.4 | 1224.6 | 1177.7 |
| -52.5° | 1168.8 | 1176.7 | 1181.4 | 1183.7 | 1181.4 | 1176.7 | 1168.8 | 1158.8 | 1146.2 | 1130.1 | 1112.4 |
| -55° | 1104.2 | 1120.8 | 1127.0 | 1125.2 | 1127.0 | 1120.8 | 1104.2 | 1083.1 | 1057.5 | 1027.5 | 993.6 |
| -57.5° | 949.7 | 970.2 | 983.8 | 990.8 | 983.8 | 970.2 | 949.7 | 924.2 | 894.2 | 858.4 | 817.3 |
| -60° | 739.9 | 752.1 | 759.7 | 763.1 | 759.7 | 752.1 | 739.9 | 722.4 | 699.1 | 669.3 | 635.5 |
| -62.5° | 568.3 | 582.2 | 589.2 | 591.9 | 589.2 | 582.2 | 568.3 | 551.8 | 533.1 | 511.7 | 485.4 |
| -65° | 441.4 | 451.5 | 457.1 | 459.6 | 457.1 | 451.5 | 441.4 | 429.2 | 415.3 | 395.6 | 370.9 |
| -67.5° | 324.2 | 328.7 | 331.0 | 331.7 | 331.0 | 328.7 | 324.2 | 317.8 | 309.3 | 295.4 | 275.1 |
| -70° | 242.1 | 248.8 | 252.9 | 255.8 | 252.9 | 248.8 | 242.1 | 234.7 | 226.6 | 215.8 | 200.6 |
| -72.5° | 174.6 | 178.0 | 180.5 | 182.1 | 180.5 | 178.0 | 174.6 | 170.4 | 165.5 | 158.4 | 147.0 |
| -75° | 110.6 | 111.8 | 112.5 | 112.7 | 112.5 | 111.8 | 110.6 | 109.0 | 106.8 | 103.4 | 97.0 |
| -77.5° | 71.9 | 73.1 | 74.6 | 75.9 | 74.6 | 73.1 | 71.9 | 70.5 | 69.0 | 67.0 | 62.4 |
| -80° | 45.5 | 45.3 | 45.4 | 45.5 | 45.4 | 45.3 | 45.5 | 45.6 | 45.6 | 45.1 | 42.3 |
| -82.5° | 30.2 | 30.3 | 30.4 | 30.4 | 30.4 | 30.3 | 30.2 | 30.0 | 29.8 | 29.5 | 28.0 |
| -85° | 21.6 | 21.7 | 21.7 | 21.7 | 21.7 | 21.6 | 21.5 | 21.5 | 21.4 | 21.2 | 20.0 |
| -87.5° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.3 | 14.7 |
| -90° | 2.7 | 2.2 | 1.1 | 0.0 | 1.1 | 2.2 | 2.7 | 3.3 | 3.8 | 4.3 | 4.9 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 90° | 14.0 | 12.4 | 10.8 | 10.3 | 9.8 | 9.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 87.5° | 5.4 | 6.0 | 6.5 | 7.1 | 7.6 | 8.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 85° | 7.3 | 7.8 | 8.3 | 8.3 | 8.4 | 8.5 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 82.5° | 7.6 | 8.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.9 | 9.0 | 9.0 | 8.9 |
| 80° | 7.7 | 8.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.8 | 9.3 | 9.8 | 10.3 | 10.4 |
| 77.5° | 7.7 | 8.3 | 8.8 | 9.0 | 9.1 | 9.1 | 9.0 | 9.4 | 9.9 | 10.4 | 10.8 |
| 75° | 7.7 | 8.3 | 8.9 | 9.6 | 10.2 | 10.5 | 10.8 | 11.0 | 11.2 | 11.4 | 11.2 |
| 72.5° | 9.7 | 10.2 | 10.6 | 11.2 | 11.6 | 12.2 | 12.6 | 12.8 | 12.9 | 13.0 | 12.5 |
| 70° | 12.4 | 13.3 | 14.5 | 15.8 | 16.6 | 17.1 | 16.7 | 15.9 | 15.0 | 14.7 | 13.9 |
| 67.5° | 13.7 | 14.8 | 17.2 | 19.7 | 21.4 | 22.6 | 22.6 | 21.3 | 19.9 | 18.8 | 16.2 |
| 65° | 13.8 | 15.0 | 18.1 | 21.3 | 24.3 | 26.9 | 29.6 | 29.9 | 28.6 | 25.4 | 19.6 |
| 62.5° | 13.4 | 15.0 | 17.2 | 19.9 | 23.4 | 29.1 | 36.0 | 39.0 | 39.4 | 34.7 | 26.6 |
| 60° | 11.7 | 13.2 | 15.1 | 17.2 | 19.8 | 27.6 | 38.7 | 46.9 | 51.9 | 44.0 | 33.1 |
| 57.5° | 10.5 | 11.3 | 12.7 | 14.5 | 16.7 | 26.2 | 38.8 | 52.5 | 61.4 | 49.6 | 38.7 |
| 55° | 10.6 | 11.2 | 11.8 | 12.4 | 13.8 | 23.3 | 35.3 | 49.0 | 57.6 | 51.1 | 38.9 |
| 52.5° | 10.7 | 11.4 | 12.0 | 12.6 | 14.7 | 20.5 | 28.8 | 41.8 | 46.6 | 41.7 | 35.2 |
| 50° | 10.9 | 11.5 | 12.2 | 12.8 | 14.9 | 18.8 | 25.0 | 33.9 | 34.4 | 32.7 | 27.5 |
| 47.5° | 14.4 | 13.7 | 12.9 | 13.1 | 14.8 | 17.2 | 21.6 | 25.6 | 26.8 | 25.1 | 21.5 |
| 45° | 18.8 | 18.1 | 16.7 | 16.1 | 15.4 | 16.6 | 19.0 | 21.6 | 22.6 | 21.8 | 17.8 |
| 42.5° | 26.4 | 25.0 | 22.2 | 22.3 | 20.2 | 18.9 | 18.8 | 20.9 | 21.1 | 20.6 | 20.1 |
| 40° | 48.6 | 41.6 | 40.9 | 36.4 | 31.5 | 25.5 | 24.9 | 23.8 | 23.4 | 21.2 | 24.8 |
| 37.5° | 91.9 | 81.6 | 81.2 | 75.3 | 61.4 | 42.9 | 36.5 | 32.4 | 28.9 | 30.8 | 33.8 |
| 35° | 163.1 | 149.2 | 141.9 | 132.2 | 114.8 | 84.9 | 55.9 | 45.6 | 41.3 | 43.6 | 46.0 |
| 32.5° | 292.1 | 273.7 | 224.3 | 205.7 | 207.8 | 153.3 | 100.3 | 65.9 | 62.5 | 61.4 | 59.4 |
| 30° | 475.0 | 474.6 | 404.0 | 351.9 | 374.9 | 311.8 | 168.9 | 122.7 | 93.8 | 83.2 | 75.3 |
| 27.5° | 899.0 | 788.5 | 699.4 | 659.9 | 623.0 | 540.4 | 380.4 | 210.5 | 140.9 | 113.2 | 100.0 |
| 25° | 1633.5 | 1299.5 | 1216.8 | 1092.3 | 955.1 | 866.8 | 645.7 | 402.7 | 236.8 | 153.3 | 148.3 |
| 22.5° | 2789.9 | 2433.1 | 2060.1 | 1640.6 | 1516.4 | 1333.4 | 1041.2 | 629.6 | 383.4 | 287.1 | 223.6 |
| 20° | 4831.8 | 4186.4 | 3394.1 | 3130.6 | 2603.2 | 1931.1 | 1536.4 | 1190.4 | 863.4 | 520.6 | 322.1 |
| 17.5° | 9334.9 | 7479.3 | 6454.9 | 5899.3 | 4525.1 | 3120.8 | 2899.1 | 2404.6 | 1547.7 | 815.2 | 439.7 |
| 15° | 16400.0 | 14641.1 | 12633.3 | 10091.8 | 7800.7 | 6321.7 | 5249.4 | 3964.4 | 2492.9 | 1312.3 | 706.6 |
| 12.5° | 27794.6 | 23902.5 | 20268.9 | 15689.7 | 12887.1 | 10397.9 | 8300.9 | 6061.4 | 3829.1 | 2191.6 | 1172.7 |
| 10° | 39709.4 | 34103.6 | 28493.3 | 22709.1 | 18342.1 | 14901.2 | 11357.8 | 7971.7 | 5253.2 | 3231.4 | 1706.3 |
| 7.5° | 52919.7 | 45084.7 | 37268.1 | 29389.5 | 23352.1 | 18689.1 | 13885.3 | 9626.6 | 6568.6 | 4308.2 | 2280.2 |
| 5° | 63504.5 | 53699.4 | 44179.2 | 34906.6 | 27943.8 | 22473.8 | 16457.9 | 11126.9 | 7768.6 | 5376.7 | 2862.1 |
| 2.5° | 70533.9 | 59372.7 | 50058.0 | 39732.2 | 31968.2 | 25637.0 | 18820.1 | 12605.9 | 8654.1 | 5991.9 | 3102.1 |
| 0° | 75517.2 | 63556.5 | 53288.9 | 41694.6 | 33881.2 | 27117.1 | 20728.0 | 14048.5 | 9333.1 | 6415.1 | 3275.8 |
| -2.5° | 74243.8 | 62135.0 | 52682.4 | 41042.3 | 33103.9 | 26779.7 | 20317.3 | 14777.0 | 10139.6 | 6777.8 | 3333.4 |
| -5° | 69193.8 | 57335.6 | 48124.6 | 37888.7 | 30433.2 | 24754.9 | 19035.3 | 14489.2 | 10326.1 | 6837.3 | 3308.0 |
| -7.5° | 61974.7 | 51660.7 | 42849.5 | 33939.7 | 27146.1 | 21995.8 | 17139.5 | 13139.7 | 9470.9 | 6189.2 | 3066.4 |
| -10° | 53561.8 | 44996.3 | 37082.3 | 29728.9 | 23987.8 | 19164.5 | 15143.6 | 11705.3 | 8505.8 | 5438.9 | 2748.0 |
| -12.5° | 46080.8 | 38474.9 | 31426.3 | 25426.8 | 21180.7 | 16877.9 | 13394.1 | 10332.3 | 7459.7 | 4616.4 | 2356.1 |
| -15° | 38430.2 | 32980.4 | 27440.6 | 22455.0 | 18383.7 | 14686.4 | 11782.6 | 9229.8 | 6521.2 | 3759.3 | 1893.3 |
| -17.5° | 33700.0 | 28499.2 | 23728.9 | 19974.9 | 16029.4 | 12753.4 | 10434.3 | 8119.7 | 5515.9 | 2992.7 | 1430.2 |
| -20° | 29740.7 | 25151.5 | 21095.0 | 17396.4 | 13922.6 | 11129.2 | 9215.8 | 6914.6 | 4395.7 | 2366.4 | 1289.5 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| -22.5° | 25646.0 | 22247.6 | 18610.9 | 14906.8 | 11934.6 | 9771.2 | 7831.0 | 5613.3 | 3169.3 | 1687.5 | 1140.6 |
| -25° | 21629.2 | 19222.5 | 16162.4 | 13128.1 | 10323.1 | 8251.9 | 6389.7 | 4240.4 | 2391.5 | 1275.8 | 997.7 |
| -27.5° | 18071.0 | 16045.6 | 14101.0 | 11461.7 | 9118.8 | 6884.9 | 4899.5 | 2949.9 | 1584.7 | 1121.3 | 926.0 |
| -30° | 14857.9 | 13347.3 | 11795.0 | 9987.2 | 7769.6 | 5572.5 | 3406.2 | 2023.3 | 1242.3 | 988.6 | 870.6 |
| -32.5° | 12212.3 | 11045.5 | 9726.3 | 8181.0 | 6118.8 | 3901.8 | 2339.1 | 1321.8 | 1059.5 | 928.2 | 852.0 |
| -35° | 10150.6 | 8962.2 | 7678.7 | 5987.9 | 4028.1 | 2505.8 | 1404.9 | 1138.2 | 970.1 | 879.6 | 843.6 |
| -37.5° | 8057.3 | 6836.3 | 5283.0 | 3673.9 | 2370.8 | 1447.4 | 1203.5 | 1031.4 | 911.4 | 869.9 | 810.1 |
| -40° | 5578.2 | 4245.6 | 3059.3 | 1874.5 | 1429.8 | 1228.0 | 1083.8 | 964.2 | 910.8 | 841.8 | 762.2 |
| -42.5° | 3121.5 | 2101.9 | 1538.8 | 1362.7 | 1204.3 | 1105.6 | 1013.1 | 958.9 | 886.8 | 793.5 | 690.9 |
| -45° | 1569.2 | 1409.9 | 1263.9 | 1182.6 | 1093.4 | 1040.2 | 1001.0 | 918.7 | 825.3 | 718.0 | 611.0 |
| -47.5° | 1273.6 | 1206.2 | 1137.2 | 1094.7 | 1054.6 | 1005.8 | 926.0 | 841.0 | 731.3 | 627.7 | 537.2 |
| -50° | 1141.8 | 1114.0 | 1086.0 | 1048.2 | 976.2 | 902.5 | 816.6 | 724.2 | 628.9 | 542.8 | 461.6 |
| -52.5° | 1089.2 | 1039.6 | 984.5 | 924.5 | 847.7 | 765.0 | 682.4 | 609.8 | 532.4 | 459.0 | 388.9 |
| -55° | 956.0 | 899.0 | 833.0 | 763.7 | 693.6 | 628.5 | 563.2 | 501.6 | 442.4 | 377.2 | 320.9 |
| -57.5° | 771.0 | 720.3 | 667.1 | 611.8 | 554.7 | 501.7 | 450.8 | 400.4 | 356.7 | 305.7 | 255.2 |
| -60° | 598.1 | 557.0 | 516.2 | 473.1 | 427.8 | 383.5 | 349.3 | 313.3 | 275.9 | 236.8 | 196.0 |
| -62.5° | 453.2 | 414.8 | 384.3 | 356.1 | 324.2 | 290.5 | 262.1 | 234.7 | 204.4 | 171.6 | 145.6 |
| -65° | 345.0 | 318.2 | 292.1 | 265.8 | 239.0 | 212.0 | 188.2 | 166.8 | 146.9 | 125.6 | 103.8 |
| -67.5° | 252.9 | 228.6 | 205.7 | 186.1 | 169.5 | 150.5 | 133.6 | 116.4 | 104.1 | 93.2 | 80.6 |
| -70° | 185.1 | 169.7 | 154.5 | 138.0 | 122.1 | 108.4 | 98.5 | 89.6 | 79.7 | 69.3 | 58.5 |
| -72.5° | 135.6 | 124.3 | 113.1 | 102.0 | 91.8 | 81.6 | 71.9 | 62.9 | 54.2 | 45.8 | 38.2 |
| -75° | 90.1 | 82.8 | 75.0 | 66.7 | 58.1 | 49.3 | 43.5 | 39.9 | 35.9 | 31.6 | 26.9 |
| -77.5° | 57.9 | 53.3 | 48.7 | 44.1 | 39.7 | 35.3 | 31.3 | 28.0 | 25.3 | 22.7 | 20.4 |
| -80° | 39.4 | 36.6 | 33.8 | 31.2 | 28.6 | 26.1 | 23.9 | 21.8 | 19.7 | 17.9 | 16.5 |
| -82.5° | 26.5 | 25.0 | 23.5 | 21.9 | 20.2 | 18.6 | 16.9 | 15.8 | 14.9 | 14.1 | 13.5 |
| -85° | 18.8 | 17.6 | 16.5 | 15.3 | 14.2 | 13.2 | 12.2 | 12.1 | 12.0 | 11.8 | 11.7 |
| -87.5° | 14.1 | 13.5 | 12.8 | 12.2 | 11.6 | 11.0 | 10.4 | 10.4 | 10.3 | 10.2 | 10.2 |
| -90° | 5.4 | 6.0 | 6.5 | 7.1 | 7.6 | 8.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|-------|
| 90° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 87.5° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.9 | 9.1 | 9.2 |
| 85° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 9.1 | 9.4 | 9.7 |
| 82.5° | 8.7 | 8.7 | 8.7 | 8.7 | 9.0 | 9.2 | 9.3 | 9.3 | 9.5 | 9.8 | 10.1 |
| 80° | 10.2 | 9.9 | 9.6 | 9.4 | 9.5 | 9.8 | 10.1 | 10.2 | 10.1 | 10.2 | 10.4 |
| 77.5° | 10.8 | 10.8 | 10.8 | 10.5 | 10.3 | 10.3 | 10.5 | 10.8 | 10.7 | 10.5 | 10.6 |
| 75° | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.7 | 10.8 | 10.8 | 10.8 | 10.7 |
| 72.5° | 11.7 | 11.2 | 10.9 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 70° | 12.8 | 11.7 | 10.9 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 67.5° | 14.1 | 12.9 | 11.7 | 10.9 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 65° | 16.7 | 14.5 | 12.9 | 11.8 | 11.1 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 62.5° | 20.2 | 16.0 | 14.0 | 12.6 | 11.5 | 11.0 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 60° | 24.6 | 18.5 | 15.3 | 13.6 | 12.2 | 11.1 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 57.5° | 28.2 | 20.4 | 17.5 | 15.0 | 13.1 | 11.5 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 55° | 29.6 | 22.1 | 19.5 | 17.0 | 14.3 | 12.3 | 11.1 | 10.8 | 10.8 | 10.8 | 10.8 |
| 52.5° | 26.3 | 22.8 | 21.2 | 18.7 | 16.1 | 13.4 | 12.0 | 10.8 | 10.8 | 10.8 | 10.8 |
| 50° | 20.7 | 21.6 | 21.6 | 19.9 | 17.7 | 15.0 | 12.8 | 11.5 | 10.8 | 10.8 | 10.9 |
| 47.5° | 18.2 | 20.3 | 20.8 | 20.4 | 18.5 | 16.5 | 13.9 | 12.2 | 10.8 | 10.8 | 11.1 |
| 45° | 18.8 | 19.5 | 20.2 | 19.9 | 19.2 | 17.3 | 15.1 | 12.9 | 11.4 | 11.0 | 11.3 |
| 42.5° | 20.7 | 20.8 | 20.4 | 19.6 | 19.4 | 17.9 | 16.0 | 13.7 | 12.0 | 11.3 | 11.5 |
| 40° | 25.0 | 23.7 | 21.8 | 21.5 | 19.8 | 18.5 | 16.5 | 14.4 | 12.6 | 11.8 | 11.8 |
| 37.5° | 30.6 | 28.3 | 25.3 | 25.9 | 21.5 | 19.1 | 17.0 | 15.0 | 13.5 | 12.6 | 12.2 |
| 35° | 42.3 | 34.7 | 32.8 | 32.6 | 27.3 | 20.0 | 17.4 | 15.4 | 14.5 | 13.3 | 12.6 |
| 32.5° | 57.3 | 46.6 | 43.6 | 40.5 | 34.9 | 21.1 | 18.1 | 16.8 | 15.5 | 14.1 | 13.0 |
| 30° | 73.5 | 67.8 | 56.1 | 49.4 | 43.7 | 28.1 | 20.1 | 18.4 | 16.6 | 14.8 | 13.5 |
| 27.5° | 99.0 | 91.5 | 71.6 | 60.8 | 52.1 | 37.3 | 24.1 | 20.3 | 17.7 | 15.6 | 14.2 |
| 25° | 133.4 | 117.9 | 94.0 | 74.0 | 61.0 | 59.1 | 29.1 | 22.4 | 19.1 | 16.5 | 14.8 |
| 22.5° | 181.6 | 148.7 | 118.0 | 88.0 | 96.9 | 87.0 | 40.9 | 26.4 | 20.8 | 17.4 | 15.3 |
| 20° | 237.5 | 183.6 | 155.2 | 147.7 | 141.6 | 117.7 | 61.5 | 30.8 | 22.6 | 18.4 | 15.9 |
| 17.5° | 304.7 | 269.8 | 258.3 | 223.0 | 191.6 | 152.9 | 85.3 | 35.6 | 24.4 | 19.3 | 16.4 |
| 15° | 495.9 | 422.6 | 372.5 | 307.2 | 245.6 | 192.0 | 111.5 | 40.8 | 26.4 | 20.2 | 16.8 |
| 12.5° | 722.1 | 584.7 | 495.0 | 398.4 | 302.7 | 233.7 | 139.2 | 46.1 | 28.3 | 21.0 | 16.9 |
| 10° | 956.7 | 753.3 | 623.4 | 494.4 | 361.7 | 277.2 | 167.6 | 52.0 | 30.8 | 21.7 | 17.1 |
| 7.5° | 1195.0 | 925.4 | 755.1 | 592.6 | 420.5 | 319.9 | 198.6 | 58.9 | 33.5 | 22.3 | 17.2 |
| 5° | 1411.4 | 1074.7 | 862.9 | 671.4 | 472.6 | 359.7 | 229.0 | 65.7 | 36.2 | 22.9 | 17.2 |
| 2.5° | 1530.3 | 1183.9 | 951.6 | 743.0 | 522.8 | 397.1 | 257.1 | 72.1 | 38.8 | 23.4 | 17.3 |
| 0° | 1634.7 | 1285.6 | 1034.1 | 808.7 | 570.2 | 431.4 | 281.8 | 78.0 | 41.2 | 23.8 | 17.3 |
| -2.5° | 1635.2 | 1269.4 | 1030.8 | 828.6 | 593.7 | 444.5 | 292.5 | 95.3 | 51.8 | 29.7 | 19.3 |
| -5° | 1619.3 | 1245.4 | 1022.5 | 841.6 | 612.5 | 453.8 | 299.1 | 111.4 | 61.8 | 35.2 | 21.3 |
| -7.5° | 1546.9 | 1197.8 | 1001.6 | 844.5 | 625.8 | 459.2 | 301.9 | 126.0 | 71.0 | 40.3 | 23.0 |
| -10° | 1450.1 | 1134.4 | 963.5 | 818.1 | 620.4 | 457.8 | 301.1 | 138.7 | 79.2 | 44.8 | 24.5 |
| -12.5° | 1338.9 | 1067.8 | 926.4 | 789.1 | 608.2 | 450.4 | 295.6 | 148.5 | 86.1 | 48.4 | 25.7 |
| -15° | 1213.7 | 999.3 | 892.0 | 759.0 | 592.0 | 440.1 | 287.9 | 155.8 | 92.0 | 51.5 | 26.5 |
| -17.5° | 1079.8 | 930.2 | 861.8 | 728.8 | 572.0 | 427.1 | 278.3 | 160.6 | 96.2 | 54.1 | 27.7 |
| -20° | 1008.7 | 884.8 | 834.1 | 699.6 | 548.4 | 411.6 | 267.3 | 162.9 | 98.7 | 55.6 | 29.2 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| -22.5° | 946.2 | 861.1 | 793.7 | 669.1 | 523.7 | 393.8 | 255.2 | 162.5 | 99.4 | 56.1 | 30.2 |
| -25° | 882.3 | 838.5 | 753.6 | 628.9 | 499.6 | 375.0 | 247.9 | 159.2 | 98.0 | 55.4 | 30.7 |
| -27.5° | 846.7 | 810.6 | 714.0 | 585.6 | 467.1 | 356.4 | 243.0 | 157.3 | 95.5 | 53.5 | 30.7 |
| -30° | 824.1 | 766.2 | 665.5 | 541.4 | 431.8 | 327.8 | 234.5 | 152.7 | 93.1 | 52.3 | 30.1 |
| -32.5° | 807.0 | 723.8 | 612.0 | 500.0 | 396.4 | 297.3 | 217.0 | 145.3 | 89.0 | 51.5 | 29.8 |
| -35° | 769.4 | 671.6 | 556.8 | 456.0 | 360.1 | 272.1 | 196.3 | 135.0 | 83.1 | 49.8 | 29.3 |
| -37.5° | 726.5 | 612.3 | 506.5 | 411.9 | 322.2 | 245.2 | 177.3 | 121.0 | 75.5 | 47.3 | 28.0 |
| -40° | 658.6 | 552.7 | 455.7 | 369.0 | 288.8 | 216.5 | 156.3 | 107.8 | 70.4 | 44.1 | 26.0 |
| -42.5° | 587.7 | 494.1 | 406.4 | 324.7 | 255.8 | 191.4 | 134.4 | 93.6 | 64.1 | 40.7 | 23.4 |
| -45° | 520.9 | 434.8 | 355.8 | 286.2 | 222.0 | 164.3 | 117.6 | 79.4 | 56.8 | 36.9 | 21.1 |
| -47.5° | 452.5 | 377.0 | 307.6 | 245.2 | 190.0 | 137.9 | 99.8 | 70.4 | 48.8 | 32.0 | 19.9 |
| -50° | 387.3 | 320.6 | 260.5 | 206.4 | 155.5 | 117.2 | 83.0 | 60.6 | 41.8 | 25.9 | 18.4 |
| -52.5° | 324.9 | 266.8 | 215.3 | 167.4 | 128.9 | 95.5 | 70.9 | 50.2 | 34.3 | 22.4 | 16.7 |
| -55° | 265.1 | 216.3 | 171.6 | 134.8 | 103.2 | 79.0 | 58.0 | 41.3 | 26.5 | 20.1 | 15.0 |
| -57.5° | 210.8 | 168.0 | 135.4 | 105.5 | 82.6 | 63.4 | 46.3 | 31.9 | 22.5 | 17.7 | 14.6 |
| -60° | 159.0 | 130.2 | 102.2 | 82.8 | 65.3 | 49.3 | 35.3 | 24.3 | 19.8 | 15.6 | 14.1 |
| -62.5° | 119.5 | 96.0 | 79.8 | 63.9 | 49.7 | 36.7 | 25.3 | 21.1 | 16.9 | 15.0 | 13.6 |
| -65° | 89.6 | 74.7 | 59.5 | 47.4 | 35.5 | 26.0 | 21.7 | 17.9 | 15.8 | 14.4 | 13.2 |
| -67.5° | 67.3 | 54.9 | 42.6 | 31.6 | 25.6 | 21.4 | 17.9 | 16.4 | 15.1 | 13.8 | 13.2 |
| -70° | 47.4 | 36.4 | 28.7 | 23.8 | 20.0 | 17.2 | 16.5 | 15.6 | 14.4 | 13.6 | 13.1 |
| -72.5° | 32.1 | 26.4 | 21.1 | 17.2 | 16.7 | 16.2 | 15.6 | 14.8 | 13.9 | 13.3 | 13.0 |
| -75° | 22.0 | 19.3 | 17.3 | 16.1 | 15.6 | 15.1 | 14.6 | 14.0 | 13.4 | 13.0 | 12.5 |
| -77.5° | 18.5 | 16.9 | 15.7 | 14.9 | 14.5 | 14.1 | 13.6 | 13.2 | 12.8 | 12.3 | 11.9 |
| -80° | 15.6 | 14.8 | 14.1 | 13.6 | 13.3 | 13.0 | 12.6 | 12.3 | 12.0 | 11.6 | 11.2 |
| -82.5° | 13.1 | 12.8 | 12.6 | 12.4 | 12.1 | 11.9 | 11.6 | 11.4 | 11.1 | 10.9 | 10.6 |
| -85° | 11.6 | 11.4 | 11.3 | 11.1 | 11.0 | 10.8 | 10.6 | 10.5 | 10.3 | 10.1 | 10.0 |
| -87.5° | 10.1 | 10.0 | 10.0 | 9.9 | 9.8 | 9.7 | 9.7 | 9.6 | 9.5 | 9.4 | 9.3 |
| -90° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|------|-------|------|-------|------|-------|-----|
| 90° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 87.5° | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.7 | 8.7 |
| 85° | 9.8 | 9.6 | 9.4 | 9.2 | 9.1 | 8.8 | 8.7 |
| 82.5° | 10.3 | 10.1 | 9.8 | 9.5 | 9.2 | 8.8 | 8.7 |
| 80° | 10.8 | 10.5 | 10.2 | 9.8 | 9.4 | 8.9 | 8.7 |
| 77.5° | 10.8 | 10.8 | 10.5 | 10.1 | 9.6 | 8.9 | 8.7 |
| 75° | 10.8 | 10.8 | 10.8 | 10.3 | 9.7 | 9.0 | 8.7 |
| 72.5° | 10.8 | 10.8 | 10.8 | 10.6 | 9.9 | 9.0 | 8.7 |
| 70° | 10.8 | 10.8 | 10.8 | 10.8 | 10.0 | 9.0 | 8.7 |
| 67.5° | 10.8 | 10.8 | 10.8 | 10.8 | 10.2 | 9.1 | 8.7 |
| 65° | 10.8 | 10.8 | 10.8 | 10.8 | 10.3 | 9.1 | 8.7 |
| 62.5° | 10.8 | 10.8 | 10.8 | 10.8 | 10.4 | 9.1 | 8.7 |
| 60° | 10.8 | 10.8 | 10.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| 57.5° | 10.8 | 10.8 | 10.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| 55° | 10.8 | 10.8 | 10.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| 52.5° | 10.8 | 10.8 | 10.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| 50° | 10.8 | 10.8 | 10.8 | 10.8 | 10.4 | 9.2 | 8.7 |
| 47.5° | 10.8 | 10.8 | 10.8 | 10.8 | 10.4 | 9.2 | 8.7 |
| 45° | 11.0 | 10.8 | 10.8 | 10.8 | 10.4 | 9.2 | 8.7 |
| 42.5° | 11.2 | 10.8 | 10.8 | 10.8 | 10.4 | 9.2 | 8.7 |
| 40° | 11.5 | 10.8 | 10.8 | 10.8 | 10.4 | 9.2 | 8.7 |
| 37.5° | 11.7 | 10.8 | 10.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| 35° | 12.0 | 10.9 | 10.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| 32.5° | 12.4 | 11.2 | 10.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| 30° | 12.7 | 11.4 | 10.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| 27.5° | 13.1 | 11.7 | 10.8 | 10.8 | 10.5 | 9.1 | 8.7 |
| 25° | 13.5 | 11.9 | 10.8 | 10.8 | 10.6 | 9.1 | 8.7 |
| 22.5° | 13.9 | 12.2 | 10.8 | 10.8 | 10.6 | 9.1 | 8.7 |
| 20° | 14.3 | 12.3 | 10.8 | 10.8 | 10.6 | 9.0 | 8.7 |
| 17.5° | 14.6 | 12.5 | 10.8 | 10.8 | 10.7 | 9.0 | 8.7 |
| 15° | 14.7 | 12.6 | 10.8 | 10.8 | 10.7 | 9.0 | 8.7 |
| 12.5° | 14.9 | 12.7 | 10.8 | 10.8 | 10.7 | 8.9 | 8.7 |
| 10° | 15.0 | 12.8 | 10.8 | 10.8 | 10.7 | 8.9 | 8.7 |
| 7.5° | 15.1 | 12.9 | 10.8 | 10.8 | 10.8 | 8.8 | 8.7 |
| 5° | 15.1 | 13.0 | 10.8 | 10.8 | 10.8 | 8.8 | 8.7 |
| 2.5° | 15.2 | 13.0 | 10.8 | 10.8 | 10.8 | 8.7 | 8.7 |
| 0° | 15.2 | 13.0 | 10.8 | 10.8 | 10.8 | 8.7 | 8.7 |
| -2.5° | 15.5 | 13.2 | 11.0 | 10.8 | 10.8 | 8.7 | 8.7 |
| -5° | 15.7 | 13.4 | 11.2 | 10.8 | 10.8 | 8.8 | 8.7 |
| -7.5° | 15.9 | 13.6 | 11.4 | 10.8 | 10.8 | 8.8 | 8.7 |
| -10° | 16.1 | 13.8 | 11.5 | 10.8 | 10.7 | 8.9 | 8.7 |
| -12.5° | 16.3 | 13.9 | 11.7 | 10.8 | 10.7 | 8.9 | 8.7 |
| -15° | 16.4 | 14.1 | 11.8 | 10.8 | 10.7 | 9.0 | 8.7 |
| -17.5° | 16.5 | 14.2 | 11.9 | 10.8 | 10.7 | 9.0 | 8.7 |
| -20° | 17.1 | 14.2 | 11.9 | 10.8 | 10.6 | 9.0 | 8.7 |



REPORT NUMBER: P731612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|------|-------|------|-------|------|-------|-----|
| -22.5° | 18.1 | 14.3 | 12.0 | 10.8 | 10.6 | 9.1 | 8.7 |
| -25° | 18.7 | 14.4 | 12.0 | 10.8 | 10.6 | 9.1 | 8.7 |
| -27.5° | 19.0 | 14.4 | 11.9 | 10.8 | 10.5 | 9.1 | 8.7 |
| -30° | 18.9 | 14.3 | 11.8 | 10.8 | 10.5 | 9.2 | 8.7 |
| -32.5° | 18.3 | 14.1 | 11.7 | 10.8 | 10.5 | 9.2 | 8.7 |
| -35° | 17.9 | 13.8 | 11.6 | 10.8 | 10.5 | 9.2 | 8.7 |
| -37.5° | 17.6 | 13.5 | 11.4 | 10.8 | 10.5 | 9.2 | 8.7 |
| -40° | 17.1 | 13.3 | 11.2 | 10.8 | 10.4 | 9.2 | 8.7 |
| -42.5° | 16.4 | 13.1 | 11.2 | 10.8 | 10.4 | 9.2 | 8.7 |
| -45° | 15.5 | 12.8 | 11.3 | 10.9 | 10.4 | 9.2 | 8.7 |
| -47.5° | 14.5 | 12.5 | 11.3 | 10.9 | 10.4 | 9.2 | 8.7 |
| -50° | 14.1 | 12.3 | 11.4 | 11.0 | 10.4 | 9.2 | 8.7 |
| -52.5° | 13.7 | 12.0 | 11.5 | 11.0 | 10.5 | 9.2 | 8.7 |
| -55° | 13.3 | 12.0 | 11.5 | 11.0 | 10.5 | 9.2 | 8.7 |
| -57.5° | 12.9 | 12.0 | 11.6 | 11.0 | 10.5 | 9.2 | 8.7 |
| -60° | 12.6 | 12.1 | 11.6 | 11.0 | 10.5 | 9.2 | 8.7 |
| -62.5° | 12.6 | 12.1 | 11.5 | 10.9 | 10.4 | 9.1 | 8.7 |
| -65° | 12.7 | 12.2 | 11.4 | 10.9 | 10.3 | 9.1 | 8.7 |
| -67.5° | 12.8 | 12.1 | 11.3 | 10.9 | 10.2 | 9.1 | 8.7 |
| -70° | 12.8 | 11.8 | 11.2 | 10.8 | 10.0 | 9.0 | 8.7 |
| -72.5° | 12.4 | 11.6 | 11.0 | 10.6 | 9.9 | 9.0 | 8.7 |
| -75° | 11.9 | 11.2 | 10.8 | 10.3 | 9.7 | 9.0 | 8.7 |
| -77.5° | 11.4 | 10.9 | 10.5 | 10.1 | 9.6 | 8.9 | 8.7 |
| -80° | 10.9 | 10.5 | 10.2 | 9.8 | 9.4 | 8.9 | 8.7 |
| -82.5° | 10.3 | 10.1 | 9.8 | 9.5 | 9.2 | 8.8 | 8.7 |
| -85° | 9.8 | 9.6 | 9.4 | 9.2 | 9.1 | 8.8 | 8.7 |
| -87.5° | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.7 | 8.7 |
| -90° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |

(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

