

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: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-NMB-LO**

Issue Date: 11/13/2024

Test Information

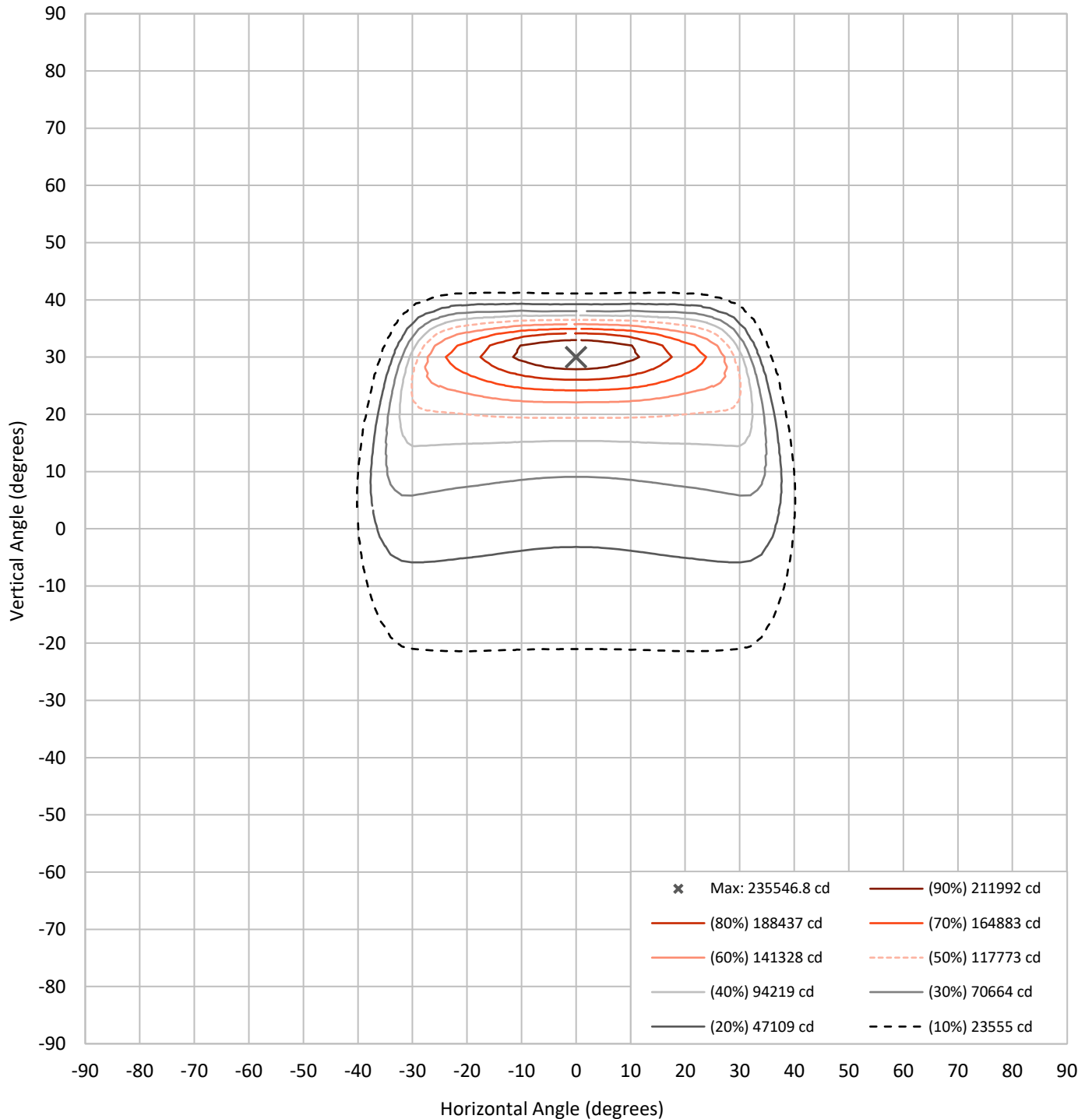
Test Method: LM-79-08
Report Number: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2L47600)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-NMB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-NMB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

| | | | |
|-----------------------------------|------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 5H x 4V |
| Luminaire Lumens: | 110998.6 lumens | Max Intensity: | 235546.8 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 30°V |
| Efficacy: | 78.6 lumens/watt | | |
| Luminous Opening: | Rectangular (W 2m x L: 2m x H: 0m) | | |
| Beam Angle (50%): | 58.1°H x 17.1°V | Field Angle (10%): | 71.6°H x 62.1°V |
| Beam Lumens: | 43862.7 lumens | Field Lumens: | 104476.9 lumens |
| Beam Efficiency: | 39.5% | Field Efficiency: | 94.1% |
| Input Watts (W): | 1413 | | |
| 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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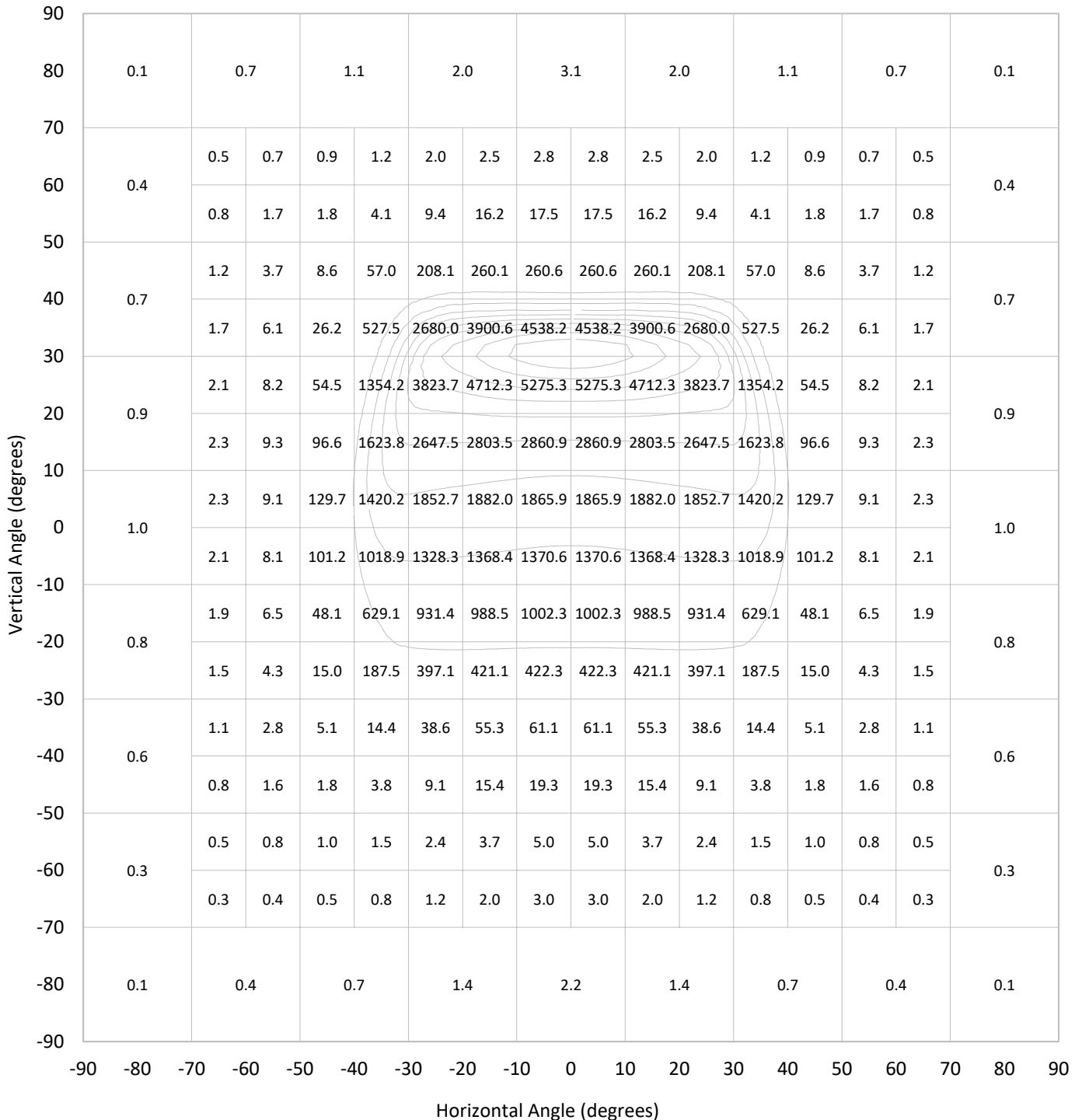
Iso-Candela Plot





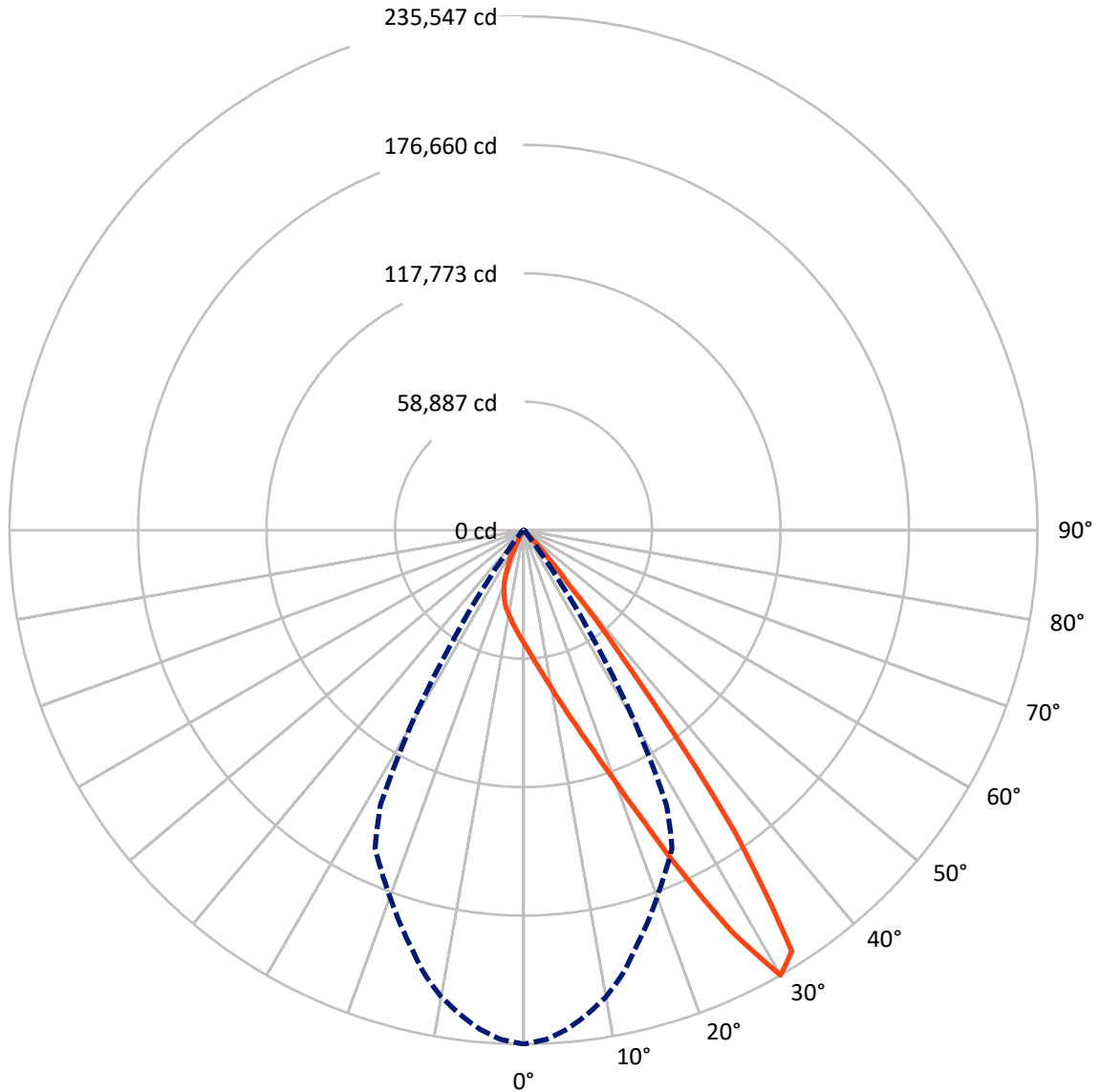
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Lumen Table



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
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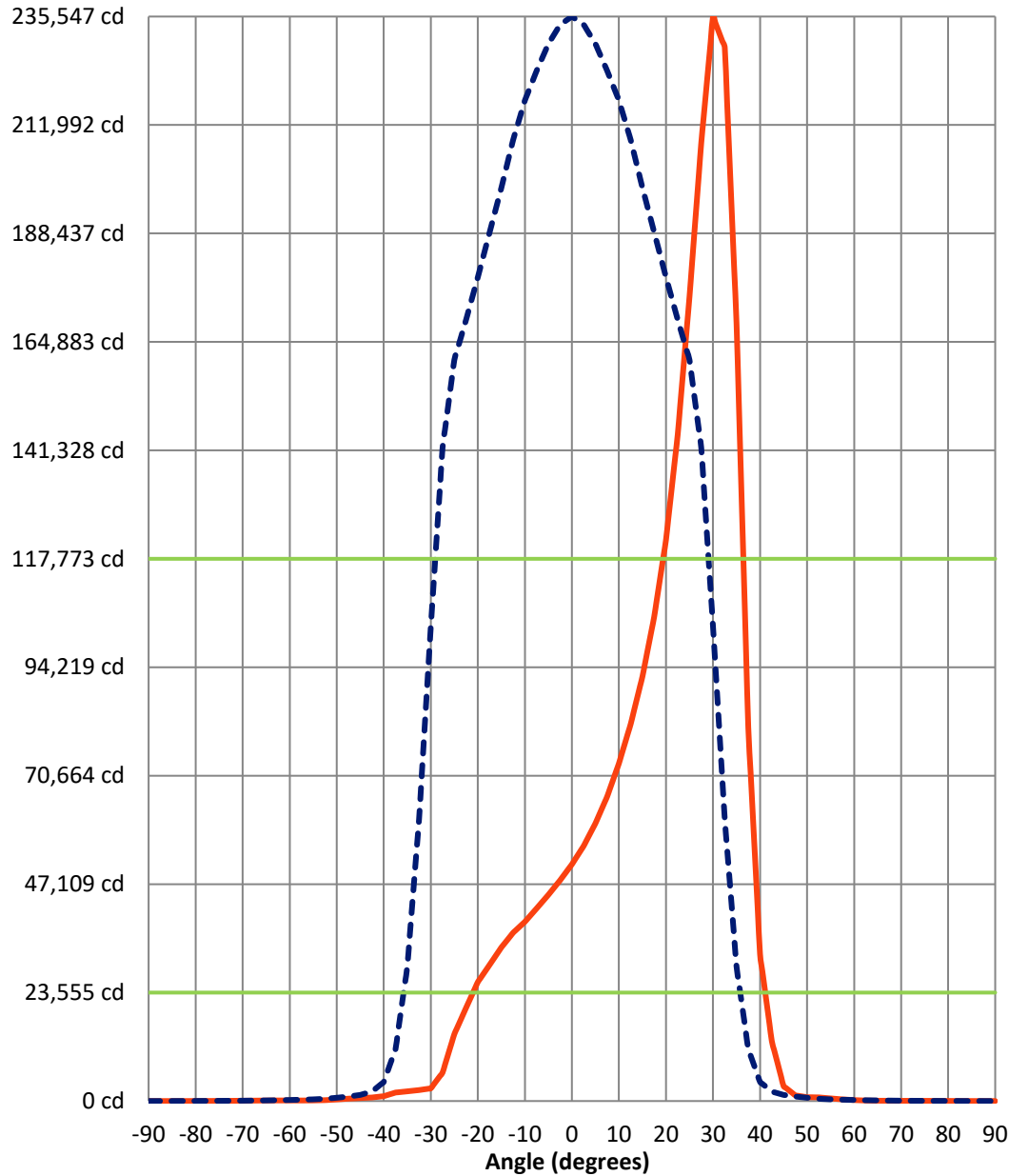
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 58.1°
 V Angle: 17.1°
 Lumens: 43862.7
 Efficiency: 39.5%

Field:
 H Angle: 71.6°
 V Angle: 62.1°
 Lumens: 104476.9
 Efficiency: 94.1%

Spill:
 Lumens: 6521.7
 Efficiency: 5.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 30-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 | 2.4 | 2.1 | 2.4 | 3.5 | 3.9 |
| 85° | 0.0 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 4.7 | 4.2 | 4.7 | 6.9 | 7.5 |
| 82.5° | 0.0 | 0.9 | 1.8 | 2.7 | 3.6 | 4.5 | 7.0 | 6.1 | 6.5 | 8.7 | 9.4 |
| 80° | 0.0 | 1.2 | 2.4 | 3.6 | 4.8 | 5.8 | 8.2 | 7.5 | 8.0 | 10.3 | 11.7 |
| 77.5° | 0.0 | 1.5 | 3.0 | 4.5 | 5.8 | 6.7 | 9.2 | 8.9 | 10.0 | 13.3 | 15.5 |
| 75° | 0.0 | 1.8 | 3.6 | 5.3 | 6.5 | 7.7 | 10.3 | 11.1 | 13.0 | 16.5 | 19.4 |
| 72.5° | 0.0 | 2.0 | 4.1 | 5.9 | 7.3 | 8.6 | 11.7 | 13.7 | 16.0 | 19.9 | 23.6 |
| 70° | 0.0 | 2.3 | 4.7 | 6.5 | 8.0 | 9.8 | 13.2 | 16.1 | 19.4 | 23.5 | 27.8 |
| 67.5° | 0.0 | 2.6 | 5.3 | 7.1 | 8.8 | 11.2 | 14.7 | 18.6 | 22.5 | 27.2 | 32.0 |
| 65° | 0.0 | 2.8 | 5.7 | 7.6 | 9.6 | 12.5 | 16.4 | 21.1 | 25.4 | 30.5 | 36.7 |
| 62.5° | 0.0 | 3.0 | 6.1 | 8.1 | 10.5 | 13.9 | 18.4 | 23.6 | 27.9 | 34.1 | 42.5 |
| 60° | 0.0 | 3.3 | 6.4 | 8.6 | 11.3 | 15.4 | 20.2 | 26.0 | 30.3 | 39.2 | 48.2 |
| 57.5° | 0.0 | 3.5 | 6.7 | 9.1 | 12.0 | 17.0 | 22.0 | 28.3 | 34.7 | 44.1 | 53.7 |
| 55° | 0.0 | 3.7 | 7.1 | 9.6 | 12.7 | 18.7 | 23.8 | 30.3 | 39.3 | 48.9 | 59.1 |
| 52.5° | 0.0 | 3.9 | 7.4 | 10.1 | 13.4 | 20.3 | 25.7 | 33.7 | 43.8 | 53.5 | 66.6 |
| 50° | 0.0 | 4.1 | 7.7 | 10.6 | 14.7 | 21.8 | 27.6 | 37.2 | 48.1 | 58.7 | 74.1 |
| 47.5° | 0.0 | 4.2 | 8.0 | 11.0 | 16.1 | 23.3 | 29.5 | 40.5 | 52.3 | 65.2 | 82.2 |
| 45° | 0.0 | 4.4 | 8.3 | 11.4 | 17.5 | 24.7 | 32.6 | 43.7 | 56.0 | 71.1 | 90.3 |
| 42.5° | 0.0 | 4.5 | 8.5 | 11.8 | 18.9 | 26.1 | 35.5 | 46.9 | 60.5 | 77.5 | 98.0 |
| 40° | 0.0 | 4.6 | 8.8 | 12.3 | 20.2 | 27.4 | 38.2 | 49.8 | 64.8 | 84.2 | 104.8 |
| 37.5° | 0.0 | 4.7 | 9.0 | 12.9 | 21.4 | 28.7 | 40.4 | 52.3 | 68.9 | 90.0 | 111.2 |
| 35° | 0.0 | 4.8 | 9.3 | 13.8 | 22.4 | 30.2 | 42.3 | 54.9 | 72.7 | 95.0 | 119.1 |
| 32.5° | 0.0 | 4.9 | 9.7 | 14.8 | 23.3 | 31.8 | 43.9 | 57.6 | 76.6 | 99.4 | 128.3 |
| 30° | 0.0 | 4.9 | 10.0 | 15.6 | 24.2 | 33.2 | 45.4 | 60.0 | 80.1 | 103.4 | 136.3 |
| 27.5° | 0.0 | 5.0 | 10.3 | 16.4 | 24.9 | 34.3 | 46.5 | 62.2 | 83.4 | 107.0 | 143.6 |
| 25° | 0.0 | 5.0 | 10.6 | 17.1 | 25.6 | 35.2 | 47.3 | 64.2 | 86.1 | 112.0 | 150.6 |
| 22.5° | 0.0 | 5.1 | 10.8 | 17.8 | 26.3 | 36.0 | 47.8 | 65.3 | 87.9 | 116.1 | 156.5 |
| 20° | 0.0 | 5.1 | 11.0 | 18.3 | 26.9 | 36.6 | 48.1 | 66.2 | 88.7 | 119.4 | 160.4 |
| 17.5° | 0.0 | 5.1 | 11.2 | 18.6 | 27.4 | 37.0 | 49.2 | 66.6 | 88.6 | 121.8 | 163.3 |
| 15° | 0.0 | 5.1 | 11.4 | 18.8 | 27.8 | 37.3 | 50.4 | 67.2 | 88.1 | 123.0 | 165.3 |
| 12.5° | 0.0 | 5.1 | 11.5 | 18.9 | 28.0 | 37.6 | 51.4 | 68.4 | 88.1 | 123.3 | 166.7 |
| 10° | 0.0 | 5.1 | 11.6 | 19.0 | 28.0 | 38.0 | 52.2 | 69.3 | 88.4 | 124.7 | 167.5 |
| 7.5° | 0.0 | 5.1 | 11.7 | 19.0 | 27.9 | 38.4 | 52.5 | 69.7 | 88.2 | 125.6 | 168.2 |
| 5° | 0.0 | 5.1 | 11.8 | 18.9 | 27.8 | 38.6 | 52.5 | 69.8 | 88.6 | 126.1 | 167.8 |
| 2.5° | 0.0 | 5.0 | 11.8 | 18.8 | 27.6 | 38.7 | 52.3 | 69.6 | 89.0 | 126.2 | 166.3 |
| 0° | 0.0 | 5.0 | 11.9 | 18.7 | 27.3 | 38.7 | 51.9 | 69.2 | 89.2 | 125.6 | 163.8 |
| -2.5° | 0.0 | 5.0 | 11.8 | 18.6 | 26.9 | 38.2 | 51.3 | 68.9 | 88.4 | 124.3 | 161.3 |
| -5° | 0.0 | 4.9 | 11.8 | 18.6 | 26.5 | 37.7 | 50.5 | 68.3 | 87.3 | 122.5 | 158.0 |
| -7.5° | 0.0 | 4.9 | 11.7 | 18.5 | 26.1 | 37.0 | 49.6 | 67.5 | 85.9 | 119.7 | 154.0 |
| -10° | 0.0 | 4.9 | 11.6 | 18.3 | 25.6 | 36.2 | 48.6 | 65.9 | 84.2 | 116.1 | 149.5 |
| -12.5° | 0.0 | 4.8 | 11.5 | 18.2 | 25.0 | 35.5 | 47.7 | 64.1 | 82.0 | 112.0 | 144.5 |
| -15° | 0.0 | 4.7 | 11.4 | 18.0 | 24.5 | 34.9 | 46.7 | 62.3 | 79.8 | 108.0 | 138.8 |
| -17.5° | 0.0 | 4.7 | 11.2 | 17.7 | 23.8 | 34.2 | 45.5 | 60.7 | 77.7 | 103.7 | 132.9 |
| -20° | 0.0 | 4.6 | 11.0 | 17.4 | 23.1 | 33.2 | 44.2 | 59.0 | 75.3 | 98.6 | 126.6 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| -22.5° | 0.0 | 4.5 | 10.8 | 17.0 | 22.4 | 32.1 | 42.9 | 57.2 | 72.6 | 93.0 | 119.9 |
| -25° | 0.0 | 4.3 | 10.6 | 16.5 | 21.6 | 30.6 | 41.5 | 55.2 | 69.6 | 87.2 | 113.8 |
| -27.5° | 0.0 | 4.2 | 10.3 | 16.1 | 20.8 | 28.9 | 39.8 | 53.0 | 67.0 | 82.6 | 107.6 |
| -30° | 0.0 | 4.1 | 10.0 | 15.7 | 20.0 | 27.1 | 38.0 | 50.7 | 64.3 | 79.0 | 100.2 |
| -32.5° | 0.0 | 3.9 | 9.7 | 15.3 | 19.3 | 25.2 | 36.1 | 48.1 | 61.3 | 75.2 | 91.9 |
| -35° | 0.0 | 3.7 | 9.4 | 14.9 | 18.6 | 23.2 | 34.1 | 45.4 | 58.1 | 70.4 | 83.2 |
| -37.5° | 0.0 | 3.6 | 9.0 | 14.4 | 18.1 | 21.6 | 32.0 | 42.6 | 54.8 | 65.7 | 76.8 |
| -40° | 0.0 | 3.4 | 8.6 | 13.9 | 17.6 | 21.0 | 29.7 | 40.0 | 50.5 | 60.5 | 71.1 |
| -42.5° | 0.0 | 3.3 | 8.2 | 13.3 | 17.0 | 20.3 | 27.3 | 37.2 | 46.3 | 55.1 | 64.9 |
| -45° | 0.0 | 3.2 | 7.8 | 12.7 | 16.5 | 19.6 | 24.8 | 34.3 | 42.3 | 50.2 | 59.8 |
| -47.5° | 0.0 | 3.0 | 7.4 | 12.0 | 15.9 | 18.9 | 22.2 | 30.9 | 38.4 | 45.8 | 54.7 |
| -50° | 0.0 | 2.9 | 6.9 | 11.3 | 15.2 | 18.2 | 20.8 | 27.6 | 34.6 | 41.3 | 49.5 |
| -52.5° | 0.0 | 2.7 | 6.5 | 10.6 | 14.4 | 17.0 | 19.4 | 24.5 | 31.0 | 37.2 | 43.9 |
| -55° | 0.0 | 2.6 | 6.0 | 9.9 | 13.3 | 15.7 | 17.9 | 21.6 | 27.8 | 33.1 | 38.4 |
| -57.5° | 0.0 | 2.4 | 5.5 | 9.2 | 12.1 | 14.4 | 16.4 | 19.9 | 24.5 | 29.1 | 34.2 |
| -60° | 0.0 | 2.2 | 5.0 | 8.4 | 10.9 | 13.2 | 15.4 | 18.1 | 21.4 | 25.7 | 30.0 |
| -62.5° | 0.0 | 2.1 | 4.4 | 7.6 | 9.7 | 12.0 | 14.3 | 16.4 | 19.3 | 22.4 | 26.4 |
| -65° | 0.0 | 1.9 | 3.9 | 6.8 | 8.5 | 10.7 | 13.2 | 15.1 | 17.2 | 19.9 | 22.9 |
| -67.5° | 0.0 | 1.7 | 3.4 | 6.0 | 7.4 | 9.3 | 11.8 | 13.8 | 15.5 | 17.5 | 19.9 |
| -70° | 0.0 | 1.5 | 3.1 | 5.1 | 6.5 | 8.0 | 10.2 | 12.4 | 14.0 | 15.3 | 17.2 |
| -72.5° | 0.0 | 1.4 | 2.7 | 4.3 | 5.6 | 6.8 | 8.6 | 10.5 | 12.4 | 13.0 | 14.5 |
| -75° | 0.0 | 1.2 | 2.3 | 3.5 | 4.7 | 5.8 | 7.0 | 8.6 | 10.2 | 10.8 | 11.7 |
| -77.5° | 0.0 | 1.0 | 1.9 | 2.9 | 3.9 | 4.9 | 5.8 | 6.8 | 8.0 | 8.8 | 9.5 |
| -80° | 0.0 | 0.8 | 1.6 | 2.3 | 3.1 | 3.9 | 4.7 | 5.4 | 6.2 | 6.9 | 7.7 |
| -82.5° | 0.0 | 0.6 | 1.2 | 1.8 | 2.3 | 2.9 | 3.5 | 4.1 | 4.6 | 5.2 | 5.8 |
| -85° | 0.0 | 0.4 | 0.8 | 1.2 | 1.6 | 1.9 | 2.3 | 2.7 | 3.1 | 3.4 | 3.8 |
| -87.5° | 0.0 | 0.2 | 0.4 | 0.6 | 0.8 | 1.0 | 1.2 | 1.4 | 1.5 | 1.7 | 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: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

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° | 4.2 | 3.4 | 3.7 | 2.6 | 2.7 | 2.9 | 3.0 | 1.6 | 1.7 | 1.7 | 3.6 |
| 85° | 7.9 | 6.5 | 6.1 | 4.5 | 4.6 | 4.8 | 4.9 | 3.3 | 3.3 | 3.4 | 5.4 |
| 82.5° | 9.9 | 8.8 | 7.5 | 6.2 | 6.5 | 7.0 | 7.4 | 6.2 | 6.4 | 6.8 | 8.8 |
| 80° | 13.1 | 12.2 | 11.3 | 9.1 | 9.2 | 9.8 | 10.4 | 10.3 | 11.0 | 11.7 | 11.1 |
| 77.5° | 17.2 | 16.2 | 15.2 | 13.1 | 12.3 | 12.7 | 13.5 | 14.2 | 14.9 | 15.6 | 14.9 |
| 75° | 21.6 | 21.0 | 19.5 | 17.1 | 15.4 | 15.6 | 16.6 | 17.9 | 18.6 | 19.0 | 19.6 |
| 72.5° | 26.2 | 26.2 | 24.1 | 20.8 | 19.1 | 19.5 | 21.0 | 22.6 | 23.2 | 23.6 | 25.0 |
| 70° | 31.5 | 31.8 | 29.8 | 27.4 | 24.4 | 23.7 | 25.5 | 27.3 | 28.6 | 29.8 | 31.4 |
| 67.5° | 37.0 | 38.7 | 36.6 | 34.1 | 30.2 | 28.2 | 30.8 | 32.0 | 34.2 | 35.6 | 37.3 |
| 65° | 44.1 | 46.2 | 44.3 | 40.6 | 36.8 | 34.3 | 37.3 | 38.2 | 40.8 | 41.8 | 44.0 |
| 62.5° | 50.7 | 53.4 | 53.1 | 50.2 | 45.6 | 43.0 | 44.4 | 45.9 | 48.7 | 50.7 | 52.7 |
| 60° | 56.3 | 61.7 | 63.8 | 62.3 | 58.0 | 52.9 | 51.0 | 54.6 | 58.1 | 61.6 | 62.7 |
| 57.5° | 63.1 | 71.7 | 77.8 | 77.7 | 71.9 | 64.7 | 60.8 | 65.6 | 68.5 | 73.0 | 76.0 |
| 55° | 71.2 | 83.8 | 93.9 | 93.9 | 91.5 | 87.9 | 76.8 | 76.5 | 82.2 | 87.1 | 92.3 |
| 52.5° | 80.0 | 96.6 | 108.8 | 116.4 | 121.3 | 114.5 | 100.3 | 90.7 | 98.0 | 103.7 | 149.2 |
| 50° | 90.3 | 107.4 | 125.1 | 150.2 | 154.3 | 147.9 | 135.0 | 109.6 | 130.2 | 192.4 | 288.5 |
| 47.5° | 100.2 | 117.7 | 150.0 | 183.8 | 193.4 | 195.4 | 183.0 | 169.2 | 225.6 | 382.3 | 523.3 |
| 45° | 109.8 | 134.8 | 171.5 | 207.9 | 247.1 | 257.3 | 261.5 | 249.5 | 447.4 | 664.3 | 854.8 |
| 42.5° | 118.2 | 153.6 | 191.2 | 243.3 | 304.3 | 329.3 | 363.4 | 467.1 | 708.2 | 1001.3 | 1384.9 |
| 40° | 131.9 | 171.0 | 213.2 | 275.9 | 337.5 | 405.8 | 510.7 | 688.6 | 973.4 | 1330.9 | 2444.5 |
| 37.5° | 145.1 | 185.6 | 240.0 | 302.1 | 373.2 | 478.4 | 636.8 | 879.5 | 1177.7 | 1821.9 | 4037.6 |
| 35° | 156.9 | 199.1 | 263.6 | 325.4 | 405.4 | 543.1 | 764.9 | 1021.6 | 1404.8 | 2498.6 | 5943.5 |
| 32.5° | 167.4 | 216.0 | 279.7 | 350.0 | 454.7 | 634.2 | 880.0 | 1176.6 | 1686.8 | 3166.2 | 7804.2 |
| 30° | 176.8 | 230.8 | 293.9 | 369.1 | 493.9 | 718.1 | 980.4 | 1337.3 | 2055.0 | 4155.1 | 11286.3 |
| 27.5° | 185.6 | 243.2 | 307.8 | 392.7 | 546.4 | 783.8 | 1085.6 | 1601.3 | 2461.0 | 5575.7 | 15795.1 |
| 25° | 195.6 | 255.1 | 318.2 | 413.1 | 587.0 | 832.1 | 1158.6 | 1837.3 | 2627.0 | 6575.4 | 20090.1 |
| 22.5° | 204.2 | 265.4 | 326.1 | 425.9 | 617.7 | 872.7 | 1276.5 | 1972.4 | 3399.4 | 9587.1 | 26643.5 |
| 20° | 210.7 | 272.3 | 334.6 | 449.9 | 645.1 | 903.9 | 1357.2 | 2029.6 | 3626.1 | 11049.6 | 31754.9 |
| 17.5° | 214.9 | 275.1 | 341.0 | 463.0 | 662.5 | 918.9 | 1381.5 | 2096.1 | 4411.1 | 14922.7 | 38033.9 |
| 15° | 218.4 | 276.2 | 342.0 | 466.9 | 671.1 | 940.7 | 1383.2 | 2061.0 | 4518.7 | 17484.9 | 42082.7 |
| 12.5° | 221.0 | 275.2 | 338.0 | 465.6 | 676.3 | 950.1 | 1358.1 | 1981.4 | 4528.5 | 20604.0 | 46243.0 |
| 10° | 222.0 | 273.4 | 333.2 | 467.3 | 673.6 | 944.3 | 1318.5 | 1970.0 | 6569.2 | 23309.1 | 48835.7 |
| 7.5° | 222.8 | 270.7 | 330.9 | 465.2 | 669.1 | 929.2 | 1275.3 | 2009.3 | 7609.9 | 24706.6 | 49736.7 |
| 5° | 222.4 | 267.3 | 328.6 | 461.5 | 660.5 | 908.6 | 1232.6 | 1918.6 | 7811.8 | 24926.4 | 48518.3 |
| 2.5° | 218.5 | 261.7 | 323.3 | 453.1 | 648.0 | 885.0 | 1183.9 | 1767.8 | 7410.1 | 24203.0 | 46028.0 |
| 0° | 213.0 | 254.8 | 315.4 | 440.5 | 631.2 | 857.4 | 1146.4 | 1729.3 | 6988.1 | 23037.7 | 42580.0 |
| -2.5° | 208.1 | 248.0 | 305.7 | 425.2 | 610.0 | 831.8 | 1123.8 | 1685.3 | 6398.5 | 21368.9 | 38886.6 |
| -5° | 202.2 | 241.0 | 294.1 | 406.6 | 587.2 | 813.2 | 1118.9 | 1647.3 | 5560.8 | 19199.4 | 35197.1 |
| -7.5° | 196.0 | 234.5 | 280.8 | 385.1 | 561.9 | 799.4 | 1126.1 | 1640.8 | 4564.5 | 16515.0 | 31417.5 |
| -10° | 189.0 | 227.2 | 268.3 | 361.7 | 532.5 | 780.2 | 1134.5 | 1655.3 | 3534.4 | 13246.2 | 27472.6 |
| -12.5° | 182.2 | 219.1 | 258.2 | 334.2 | 494.6 | 744.3 | 1111.8 | 1656.4 | 2497.9 | 9587.9 | 23767.2 |
| -15° | 175.0 | 210.9 | 247.5 | 312.9 | 444.9 | 681.9 | 1034.5 | 1546.8 | 2300.8 | 6528.8 | 19964.7 |
| -17.5° | 165.6 | 202.1 | 235.7 | 291.3 | 403.1 | 600.4 | 900.5 | 1301.4 | 1932.8 | 4714.6 | 14499.2 |
| -20° | 156.2 | 191.7 | 222.8 | 268.1 | 357.9 | 516.6 | 750.4 | 1017.3 | 1391.9 | 2475.7 | 8197.4 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|
| -22.5° | 148.5 | 180.0 | 210.4 | 243.9 | 309.7 | 425.1 | 593.3 | 782.8 | 1015.4 | 1719.8 | 4644.2 |
| -25° | 140.6 | 168.1 | 197.7 | 228.1 | 274.1 | 348.8 | 466.4 | 598.1 | 732.4 | 996.0 | 1945.0 |
| -27.5° | 131.1 | 156.0 | 184.3 | 213.2 | 245.7 | 297.6 | 376.8 | 479.8 | 588.0 | 756.8 | 1161.9 |
| -30° | 121.8 | 145.1 | 170.7 | 198.4 | 221.5 | 253.8 | 304.2 | 382.5 | 466.6 | 570.0 | 734.9 |
| -32.5° | 112.9 | 134.3 | 157.8 | 182.3 | 205.6 | 215.7 | 243.6 | 283.3 | 353.9 | 447.5 | 536.9 |
| -35° | 103.9 | 123.6 | 145.1 | 165.5 | 178.9 | 177.9 | 186.8 | 182.3 | 252.2 | 337.8 | 420.9 |
| -37.5° | 94.5 | 113.7 | 132.7 | 147.0 | 151.0 | 148.0 | 142.3 | 131.2 | 167.1 | 239.6 | 315.5 |
| -40° | 85.8 | 103.7 | 121.6 | 126.4 | 125.6 | 120.2 | 112.1 | 104.1 | 127.7 | 158.8 | 218.8 |
| -42.5° | 77.6 | 93.7 | 106.5 | 108.7 | 104.7 | 96.3 | 84.3 | 89.1 | 104.1 | 121.8 | 143.3 |
| -45° | 71.3 | 83.8 | 91.8 | 92.6 | 87.4 | 77.9 | 68.1 | 74.6 | 87.4 | 99.4 | 107.7 |
| -47.5° | 64.9 | 73.2 | 78.8 | 78.0 | 72.7 | 63.0 | 60.4 | 65.9 | 72.9 | 81.0 | 86.9 |
| -50° | 58.6 | 64.5 | 65.6 | 64.4 | 59.1 | 50.6 | 51.8 | 57.5 | 63.5 | 67.1 | 71.7 |
| -52.5° | 51.5 | 55.9 | 55.3 | 52.3 | 47.6 | 43.5 | 46.5 | 50.8 | 55.2 | 58.6 | 61.5 |
| -55° | 44.7 | 48.1 | 46.9 | 43.3 | 37.8 | 36.2 | 40.0 | 43.9 | 47.7 | 51.2 | 53.5 |
| -57.5° | 38.5 | 40.7 | 39.3 | 36.0 | 31.3 | 29.8 | 33.8 | 37.6 | 41.3 | 44.7 | 46.3 |
| -60° | 33.5 | 34.3 | 32.9 | 29.5 | 26.7 | 26.8 | 28.6 | 31.7 | 35.1 | 38.1 | 40.2 |
| -62.5° | 30.0 | 29.7 | 27.7 | 24.3 | 22.0 | 23.5 | 25.8 | 27.4 | 28.9 | 31.7 | 34.5 |
| -65° | 26.1 | 25.8 | 23.1 | 20.3 | 18.3 | 19.6 | 21.6 | 23.8 | 25.8 | 27.1 | 28.4 |
| -67.5° | 21.9 | 21.6 | 18.6 | 16.2 | 15.9 | 16.8 | 18.2 | 19.5 | 21.1 | 22.9 | 24.6 |
| -70° | 18.6 | 17.5 | 14.7 | 13.3 | 14.6 | 14.9 | 15.2 | 16.4 | 17.5 | 18.5 | 19.6 |
| -72.5° | 15.3 | 14.1 | 11.7 | 10.8 | 11.9 | 12.1 | 12.2 | 13.2 | 14.7 | 15.8 | 16.9 |
| -75° | 12.7 | 11.1 | 9.7 | 8.8 | 9.2 | 9.3 | 9.2 | 10.1 | 12.0 | 13.6 | 13.2 |
| -77.5° | 10.4 | 8.5 | 7.2 | 6.8 | 6.9 | 7.3 | 7.7 | 8.0 | 9.1 | 10.1 | 9.4 |
| -80° | 8.4 | 6.8 | 5.2 | 5.2 | 5.6 | 5.9 | 6.2 | 6.4 | 6.7 | 7.0 | 5.7 |
| -82.5° | 6.3 | 5.2 | 3.8 | 3.9 | 4.1 | 4.4 | 4.6 | 4.8 | 5.0 | 5.3 | 3.7 |
| -85° | 4.2 | 2.8 | 2.4 | 2.6 | 2.7 | 2.9 | 3.0 | 3.2 | 3.3 | 3.4 | 1.8 |
| -87.5° | 2.1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.4 | 1.5 | 1.6 | 1.7 | 1.7 | 0.0 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

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° | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.2 |
| 85° | 3.9 | 4.0 | 4.2 | 4.4 | 4.6 | 4.7 | 4.9 | 5.0 | 5.1 | 5.2 | 6.1 |
| 82.5° | 7.7 | 7.9 | 8.2 | 8.5 | 8.7 | 9.0 | 10.1 | 10.4 | 10.7 | 10.9 | 12.8 |
| 80° | 11.2 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 15.1 | 16.8 | 17.3 | 17.5 | 19.5 |
| 77.5° | 15.2 | 16.3 | 16.9 | 17.5 | 18.1 | 19.9 | 21.0 | 23.2 | 23.9 | 24.4 | 26.7 |
| 75° | 20.7 | 22.8 | 23.8 | 24.6 | 25.7 | 26.8 | 27.5 | 29.5 | 30.8 | 32.4 | 36.2 |
| 72.5° | 26.2 | 28.3 | 30.3 | 32.1 | 33.9 | 34.0 | 34.3 | 36.0 | 37.8 | 38.4 | 41.6 |
| 70° | 32.0 | 34.8 | 37.3 | 39.6 | 42.1 | 42.2 | 42.1 | 42.4 | 43.2 | 44.2 | 47.3 |
| 67.5° | 39.4 | 43.2 | 46.2 | 48.4 | 51.2 | 52.0 | 51.6 | 51.1 | 52.4 | 55.4 | 58.3 |
| 65° | 46.9 | 52.8 | 59.8 | 67.5 | 71.6 | 69.6 | 65.0 | 63.7 | 65.2 | 68.2 | 71.0 |
| 62.5° | 56.9 | 63.9 | 72.6 | 84.7 | 94.8 | 92.1 | 86.0 | 86.9 | 96.0 | 104.3 | 108.7 |
| 60° | 65.7 | 74.1 | 87.6 | 109.1 | 130.6 | 139.1 | 143.0 | 182.7 | 225.0 | 236.7 | 230.7 |
| 57.5° | 79.4 | 88.6 | 103.3 | 148.1 | 204.7 | 253.5 | 307.4 | 389.1 | 468.5 | 467.9 | 427.5 |
| 55° | 100.0 | 148.5 | 189.9 | 254.8 | 326.5 | 406.6 | 473.0 | 547.3 | 617.2 | 644.6 | 626.6 |
| 52.5° | 204.5 | 299.3 | 375.7 | 417.4 | 446.6 | 490.4 | 559.4 | 632.8 | 691.6 | 733.8 | 765.9 |
| 50° | 404.3 | 507.4 | 564.2 | 606.5 | 620.1 | 662.4 | 713.3 | 770.0 | 827.1 | 845.3 | 847.1 |
| 47.5° | 647.2 | 815.0 | 888.4 | 1105.9 | 1161.6 | 1311.2 | 1242.4 | 1186.2 | 1221.1 | 1169.2 | 1114.9 |
| 45° | 1161.1 | 1859.5 | 2430.2 | 3487.8 | 3619.4 | 4263.8 | 3801.1 | 3958.3 | 4018.4 | 3564.6 | 3388.5 |
| 42.5° | 2666.9 | 4905.4 | 7791.8 | 10596.0 | 11777.7 | 13549.9 | 13183.4 | 13747.4 | 13637.9 | 12577.0 | 13008.9 |
| 40° | 5523.6 | 10504.9 | 16772.0 | 23526.8 | 27577.3 | 31878.0 | 31507.3 | 34245.0 | 33178.6 | 34049.8 | 33787.6 |
| 37.5° | 9256.2 | 17519.6 | 31260.0 | 46213.5 | 56574.2 | 70453.4 | 73593.2 | 77645.0 | 76755.0 | 80389.8 | 82390.8 |
| 35° | 13728.0 | 29097.3 | 54363.8 | 82478.4 | 110164.3 | 123496.8 | 132040.1 | 138880.2 | 146687.1 | 152309.1 | 159753.1 |
| 32.5° | 20058.2 | 44795.4 | 80784.3 | 119164.2 | 148869.0 | 159983.9 | 169823.9 | 179948.2 | 190307.8 | 200665.3 | 211872.1 |
| 30° | 29227.7 | 61197.7 | 103068.3 | 141912.1 | 160978.5 | 169703.5 | 178941.2 | 188660.0 | 198344.6 | 208745.2 | 217323.2 |
| 27.5° | 38463.4 | 75157.8 | 117274.4 | 145852.3 | 155476.5 | 161711.5 | 168675.0 | 176195.8 | 183387.7 | 190986.7 | 196675.3 |
| 25° | 47063.3 | 87100.1 | 121155.3 | 137275.8 | 142491.4 | 146456.9 | 151003.9 | 155702.4 | 160648.3 | 165213.3 | 168757.7 |
| 22.5° | 56960.2 | 92485.6 | 117394.9 | 126040.8 | 128246.5 | 130433.0 | 132885.2 | 135881.4 | 138556.9 | 140846.7 | 142657.0 |
| 20° | 63825.1 | 94619.2 | 111552.1 | 114897.7 | 115678.2 | 116489.7 | 117706.3 | 118929.6 | 120185.3 | 121018.5 | 121461.4 |
| 17.5° | 68801.5 | 93036.6 | 103565.4 | 104707.9 | 104646.3 | 104670.8 | 104964.5 | 105294.1 | 105460.3 | 105420.1 | 105255.1 |
| 15° | 71834.7 | 89781.5 | 95818.7 | 95735.4 | 95206.1 | 94714.1 | 94493.2 | 94246.5 | 93904.9 | 93467.4 | 92881.3 |
| 12.5° | 71790.2 | 85476.4 | 88340.5 | 87642.9 | 86810.6 | 86063.2 | 85601.4 | 85043.2 | 84397.7 | 83694.9 | 83066.4 |
| 10° | 70779.7 | 80617.1 | 81353.6 | 80395.8 | 79369.2 | 78507.0 | 77820.6 | 77105.8 | 76249.8 | 75487.4 | 74762.5 |
| 7.5° | 67664.7 | 74375.7 | 74745.2 | 73792.4 | 72689.8 | 71702.2 | 70998.9 | 70235.2 | 69400.1 | 68591.6 | 67793.6 |
| 5° | 63499.7 | 68676.6 | 68669.4 | 67756.0 | 66722.5 | 65727.6 | 64991.2 | 64252.5 | 63470.7 | 62672.9 | 61913.1 |
| 2.5° | 59161.6 | 63270.8 | 63082.3 | 62326.2 | 61372.8 | 60449.5 | 59756.2 | 59045.6 | 58303.5 | 57562.6 | 56860.7 |
| 0° | 54280.4 | 57908.3 | 57880.1 | 57220.2 | 56415.6 | 55609.7 | 55036.8 | 54429.2 | 53787.4 | 53162.1 | 52581.9 |
| -2.5° | 49454.6 | 52815.0 | 53051.6 | 52603.0 | 51991.7 | 51352.2 | 50858.3 | 50362.0 | 49840.9 | 49326.9 | 48844.7 |
| -5° | 44921.2 | 48069.9 | 48578.1 | 48445.5 | 48035.1 | 47559.3 | 47166.5 | 46772.2 | 46346.4 | 45965.7 | 45593.2 |
| -7.5° | 40806.2 | 43685.7 | 44356.1 | 44526.6 | 44366.3 | 44012.9 | 43781.8 | 43484.0 | 43165.9 | 42858.7 | 42586.5 |
| -10° | 36741.0 | 39608.6 | 40446.0 | 40811.4 | 40766.4 | 40573.2 | 40437.8 | 40242.0 | 40019.2 | 39775.5 | 39547.3 |
| -12.5° | 32618.6 | 35944.4 | 36970.2 | 37580.4 | 37749.7 | 37678.2 | 37574.6 | 37428.7 | 37230.7 | 37084.0 | 36922.5 |
| -15° | 28832.7 | 32203.2 | 33102.3 | 33757.8 | 34115.0 | 34186.0 | 34177.7 | 34091.5 | 33942.0 | 33789.6 | 33732.8 |
| -17.5° | 24655.3 | 28609.8 | 29484.2 | 30032.4 | 30377.4 | 30434.0 | 30463.9 | 30383.2 | 30272.5 | 30147.2 | 29867.9 |
| -20° | 19682.4 | 24604.6 | 25520.5 | 25996.4 | 26268.6 | 26375.9 | 26459.8 | 26508.1 | 26223.2 | 26002.5 | 26023.7 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 12489.0 | 18658.5 | 20461.7 | 20954.2 | 21227.0 | 21312.2 | 21273.4 | 21068.4 | 20960.9 | 20893.5 | 20596.8 |
| -25° | 4867.0 | 11201.7 | 13912.4 | 14657.2 | 14948.2 | 15055.9 | 15073.4 | 15184.5 | 14898.2 | 14925.0 | 14702.0 |
| -27.5° | 2069.6 | 3877.8 | 5864.7 | 7125.2 | 7293.2 | 7353.6 | 7104.9 | 6827.8 | 6941.1 | 6380.5 | 6684.6 |
| -30° | 928.2 | 1378.5 | 2067.9 | 2727.5 | 3458.8 | 3576.8 | 3466.4 | 3091.0 | 3047.5 | 2773.0 | 2860.5 |
| -32.5° | 659.1 | 790.9 | 1019.9 | 1332.8 | 1767.9 | 2378.5 | 2657.7 | 2485.0 | 2345.3 | 2287.4 | 2279.5 |
| -35° | 504.7 | 608.9 | 733.7 | 881.5 | 1037.0 | 1352.7 | 1628.1 | 1929.4 | 2051.5 | 2043.5 | 2055.1 |
| -37.5° | 397.9 | 475.1 | 568.8 | 672.5 | 776.4 | 880.9 | 970.1 | 1096.2 | 1177.0 | 1410.1 | 1586.9 |
| -40° | 290.8 | 367.0 | 440.1 | 520.4 | 594.2 | 671.6 | 735.4 | 786.4 | 815.6 | 876.8 | 935.1 |
| -42.5° | 190.7 | 245.2 | 319.1 | 390.5 | 457.8 | 522.1 | 580.8 | 631.4 | 667.8 | 698.2 | 726.6 |
| -45° | 123.8 | 148.5 | 185.7 | 250.8 | 322.0 | 384.3 | 444.4 | 494.9 | 530.4 | 563.4 | 596.0 |
| -47.5° | 94.6 | 102.7 | 108.6 | 142.2 | 177.1 | 234.7 | 296.4 | 347.9 | 385.6 | 420.5 | 456.5 |
| -50° | 75.2 | 82.1 | 89.9 | 100.3 | 112.8 | 139.4 | 173.8 | 199.6 | 226.3 | 255.0 | 285.6 |
| -52.5° | 64.4 | 69.1 | 73.9 | 83.8 | 95.0 | 111.0 | 127.9 | 138.1 | 140.4 | 149.1 | 162.3 |
| -55° | 56.5 | 60.5 | 66.3 | 73.7 | 81.4 | 92.0 | 102.4 | 109.9 | 113.8 | 115.3 | 120.9 |
| -57.5° | 49.5 | 52.9 | 58.1 | 65.2 | 71.2 | 76.2 | 81.0 | 86.8 | 94.7 | 100.0 | 107.0 |
| -60° | 43.2 | 46.7 | 51.5 | 57.0 | 60.7 | 65.1 | 69.1 | 76.3 | 87.0 | 96.1 | 105.1 |
| -62.5° | 37.2 | 39.8 | 43.5 | 47.8 | 51.7 | 56.7 | 62.7 | 69.1 | 79.2 | 89.7 | 100.3 |
| -65° | 30.0 | 32.3 | 36.3 | 40.2 | 44.0 | 47.8 | 52.6 | 59.3 | 69.0 | 77.7 | 87.5 |
| -67.5° | 26.0 | 27.3 | 30.0 | 32.4 | 34.7 | 38.4 | 42.0 | 47.5 | 54.6 | 61.1 | 68.6 |
| -70° | 20.7 | 22.7 | 25.2 | 26.4 | 28.3 | 31.1 | 33.9 | 36.7 | 41.0 | 44.5 | 50.9 |
| -72.5° | 17.7 | 18.5 | 20.2 | 20.8 | 22.5 | 24.1 | 26.4 | 27.9 | 30.6 | 32.9 | 36.4 |
| -75° | 13.2 | 14.2 | 15.3 | 16.2 | 17.0 | 17.9 | 19.7 | 20.8 | 22.8 | 23.6 | 24.5 |
| -77.5° | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 13.4 | 14.1 | 14.4 | 16.3 | 16.9 | 17.2 |
| -80° | 5.8 | 6.3 | 6.7 | 7.0 | 7.4 | 9.3 | 9.8 | 10.1 | 10.3 | 10.5 | 10.6 |
| -82.5° | 3.7 | 3.9 | 4.1 | 4.2 | 4.4 | 5.3 | 5.5 | 5.7 | 5.9 | 6.0 | 6.2 |
| -85° | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.4 | 2.5 | 2.5 | 2.6 | 2.6 |
| -87.5° | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| -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: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| 85° | 6.2 | 8.1 | 9.1 | 9.1 | 9.1 | 8.1 | 6.2 | 6.1 | 5.2 | 5.1 | 5.0 |
| 82.5° | 13.0 | 16.2 | 18.1 | 18.2 | 18.1 | 16.2 | 13.0 | 12.8 | 10.9 | 10.7 | 10.4 |
| 80° | 21.4 | 25.2 | 27.2 | 29.1 | 27.2 | 25.2 | 21.4 | 19.5 | 17.5 | 17.3 | 16.8 |
| 77.5° | 32.0 | 36.5 | 38.6 | 40.5 | 38.6 | 36.5 | 32.0 | 26.7 | 24.4 | 23.9 | 23.2 |
| 75° | 39.5 | 45.8 | 48.1 | 49.2 | 48.1 | 45.8 | 39.5 | 36.2 | 32.4 | 30.8 | 29.5 |
| 72.5° | 44.1 | 49.9 | 51.0 | 52.4 | 51.0 | 49.9 | 44.1 | 41.6 | 38.4 | 37.8 | 36.0 |
| 70° | 48.7 | 50.7 | 51.0 | 52.8 | 51.0 | 50.7 | 48.7 | 47.3 | 44.2 | 43.2 | 42.4 |
| 67.5° | 58.2 | 60.7 | 61.4 | 61.9 | 61.4 | 60.7 | 58.2 | 58.3 | 55.4 | 52.4 | 51.1 |
| 65° | 71.7 | 71.4 | 71.7 | 72.9 | 71.7 | 71.4 | 71.7 | 71.0 | 68.2 | 65.2 | 63.7 |
| 62.5° | 110.0 | 108.4 | 107.9 | 108.3 | 107.9 | 108.4 | 110.0 | 108.7 | 104.3 | 96.0 | 86.9 |
| 60° | 223.1 | 217.2 | 212.6 | 213.0 | 212.6 | 217.2 | 223.1 | 230.7 | 236.7 | 225.0 | 182.7 |
| 57.5° | 397.3 | 380.5 | 371.0 | 367.2 | 371.0 | 380.5 | 397.3 | 427.5 | 467.9 | 468.5 | 389.1 |
| 55° | 609.0 | 597.2 | 585.6 | 578.0 | 585.6 | 597.2 | 609.0 | 626.6 | 644.6 | 617.2 | 547.3 |
| 52.5° | 791.6 | 809.4 | 807.1 | 795.5 | 807.1 | 809.4 | 791.6 | 765.9 | 733.8 | 691.6 | 632.8 |
| 50° | 840.4 | 847.7 | 852.8 | 839.2 | 852.8 | 847.7 | 840.4 | 847.1 | 845.3 | 827.1 | 770.0 |
| 47.5° | 1102.8 | 1200.5 | 1247.3 | 1239.2 | 1247.3 | 1200.5 | 1102.8 | 1114.9 | 1169.2 | 1221.1 | 1186.2 |
| 45° | 3492.3 | 3405.3 | 3316.2 | 3257.5 | 3316.2 | 3405.3 | 3492.3 | 3388.5 | 3564.6 | 4018.4 | 3958.3 |
| 42.5° | 13228.7 | 13213.4 | 13159.4 | 13026.1 | 13159.4 | 13213.4 | 13228.7 | 13008.9 | 12577.0 | 13637.9 | 13747.4 |
| 40° | 32893.0 | 32230.4 | 32054.2 | 31942.6 | 32054.2 | 32230.4 | 32893.0 | 33787.6 | 34049.8 | 33178.6 | 34245.0 |
| 37.5° | 80284.0 | 79993.3 | 81135.7 | 81179.9 | 81135.7 | 79993.3 | 80284.0 | 82390.8 | 80389.8 | 76755.0 | 77645.0 |
| 35° | 163801.8 | 166492.7 | 168509.6 | 168931.1 | 168509.6 | 166492.7 | 163801.8 | 159753.1 | 152309.1 | 146687.1 | 138880.2 |
| 32.5° | 217088.4 | 222890.9 | 227195.7 | 228793.5 | 227195.7 | 222890.9 | 217088.4 | 211872.1 | 200665.3 | 190307.8 | 179948.2 |
| 30° | 223755.3 | 229614.1 | 233787.6 | 235546.8 | 233787.6 | 229614.1 | 223755.3 | 217323.2 | 208745.2 | 198344.6 | 188660.0 |
| 27.5° | 201805.1 | 205645.6 | 207409.7 | 208074.8 | 207409.7 | 205645.6 | 201805.1 | 196675.3 | 190986.7 | 183387.7 | 176195.8 |
| 25° | 171256.9 | 173268.9 | 174226.6 | 174687.8 | 174226.6 | 173268.9 | 171256.9 | 168757.7 | 165213.3 | 160648.3 | 155702.4 |
| 22.5° | 143763.2 | 144472.0 | 144570.2 | 144779.4 | 144570.2 | 144472.0 | 143763.2 | 142657.0 | 140846.7 | 138556.9 | 135881.4 |
| 20° | 121918.1 | 122068.1 | 121950.9 | 121874.5 | 121950.9 | 122068.1 | 121918.1 | 121461.4 | 121018.5 | 120185.3 | 118929.6 |
| 17.5° | 105377.5 | 105056.7 | 105029.3 | 105205.6 | 105029.3 | 105056.7 | 105377.5 | 105255.1 | 105420.1 | 105460.3 | 105294.1 |
| 15° | 92654.4 | 92176.3 | 92036.4 | 92214.0 | 92036.4 | 92176.3 | 92654.4 | 92881.3 | 93467.4 | 93904.9 | 94246.5 |
| 12.5° | 82557.3 | 82055.7 | 81792.1 | 81890.9 | 81792.1 | 82055.7 | 82557.3 | 83066.4 | 83694.9 | 84397.7 | 85043.2 |
| 10° | 74117.2 | 73622.4 | 73323.3 | 73349.9 | 73323.3 | 73622.4 | 74117.2 | 74762.5 | 75487.4 | 76249.8 | 77105.8 |
| 7.5° | 67067.0 | 66557.8 | 66188.9 | 66146.7 | 66188.9 | 66557.8 | 67067.0 | 67793.6 | 68591.6 | 69400.1 | 70235.2 |
| 5° | 61236.4 | 60715.8 | 60399.2 | 60307.6 | 60399.2 | 60715.8 | 61236.4 | 61913.1 | 62672.9 | 63470.7 | 64252.5 |
| 2.5° | 56234.9 | 55809.2 | 55534.8 | 55401.7 | 55534.8 | 55809.2 | 56234.9 | 56860.7 | 57562.6 | 58303.5 | 59045.6 |
| 0° | 52063.0 | 51655.7 | 51421.5 | 51412.5 | 51421.5 | 51655.7 | 52063.0 | 52581.9 | 53162.1 | 53787.4 | 54429.2 |
| -2.5° | 48399.6 | 48114.3 | 47966.6 | 47963.0 | 47966.6 | 48114.3 | 48399.6 | 48844.7 | 49326.9 | 49840.9 | 50362.0 |
| -5° | 45258.1 | 45002.6 | 44816.8 | 44797.3 | 44816.8 | 45002.6 | 45258.1 | 45593.2 | 45965.7 | 46346.4 | 46772.2 |
| -7.5° | 42296.5 | 42028.6 | 41927.4 | 41834.5 | 41927.4 | 42028.6 | 42296.5 | 42586.5 | 42858.7 | 43165.9 | 43484.0 |
| -10° | 39353.5 | 39174.4 | 39062.1 | 38933.2 | 39062.1 | 39174.4 | 39353.5 | 39547.3 | 39775.5 | 40019.2 | 40242.0 |
| -12.5° | 36703.9 | 36594.5 | 36572.9 | 36556.7 | 36572.9 | 36594.5 | 36703.9 | 36922.5 | 37084.0 | 37230.7 | 37428.7 |
| -15° | 33520.7 | 33450.2 | 33328.7 | 33362.7 | 33328.7 | 33450.2 | 33520.7 | 33732.8 | 33789.6 | 33942.0 | 34091.5 |
| -17.5° | 29806.3 | 29597.2 | 29560.3 | 29584.5 | 29560.3 | 29597.2 | 29806.3 | 29867.9 | 30147.2 | 30272.5 | 30383.2 |
| -20° | 25693.4 | 25695.5 | 25856.4 | 25844.6 | 25856.4 | 25695.5 | 25693.4 | 26023.7 | 26002.5 | 26223.2 | 26508.1 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 20625.6 | 20467.1 | 20332.6 | 20257.7 | 20332.6 | 20467.1 | 20625.6 | 20596.8 | 20893.5 | 20960.9 | 21068.4 |
| -25° | 14992.2 | 14637.2 | 14579.8 | 14528.7 | 14579.8 | 14637.2 | 14992.2 | 14702.0 | 14925.0 | 14898.2 | 15184.5 |
| -27.5° | 6494.8 | 6015.3 | 6170.3 | 6181.3 | 6170.3 | 6015.3 | 6494.8 | 6684.6 | 6380.5 | 6941.1 | 6827.8 |
| -30° | 2810.1 | 2736.9 | 2744.0 | 2754.1 | 2744.0 | 2736.9 | 2810.1 | 2860.5 | 2773.0 | 3047.5 | 3091.0 |
| -32.5° | 2301.7 | 2324.2 | 2359.7 | 2384.6 | 2359.7 | 2324.2 | 2301.7 | 2279.5 | 2287.4 | 2345.3 | 2485.0 |
| -35° | 2060.5 | 2054.9 | 2069.8 | 2109.7 | 2069.8 | 2054.9 | 2060.5 | 2055.1 | 2043.5 | 2051.5 | 1929.4 |
| -37.5° | 1734.8 | 1810.4 | 1833.3 | 1841.7 | 1833.3 | 1810.4 | 1734.8 | 1586.9 | 1410.1 | 1177.0 | 1096.2 |
| -40° | 973.3 | 1006.0 | 1039.6 | 1061.2 | 1039.6 | 1006.0 | 973.3 | 935.1 | 876.8 | 815.6 | 786.4 |
| -42.5° | 741.7 | 755.8 | 770.9 | 776.8 | 770.9 | 755.8 | 741.7 | 726.6 | 698.2 | 667.8 | 631.4 |
| -45° | 617.5 | 634.3 | 646.4 | 649.9 | 646.4 | 634.3 | 617.5 | 596.0 | 563.4 | 530.4 | 494.9 |
| -47.5° | 485.1 | 505.5 | 518.2 | 521.5 | 518.2 | 505.5 | 485.1 | 456.5 | 420.5 | 385.6 | 347.9 |
| -50° | 313.5 | 331.0 | 343.9 | 349.5 | 343.9 | 331.0 | 313.5 | 285.6 | 255.0 | 226.3 | 199.6 |
| -52.5° | 175.0 | 184.4 | 190.6 | 192.5 | 190.6 | 184.4 | 175.0 | 162.3 | 149.1 | 140.4 | 138.1 |
| -55° | 127.6 | 133.4 | 136.6 | 138.3 | 136.6 | 133.4 | 127.6 | 120.9 | 115.3 | 113.8 | 109.9 |
| -57.5° | 114.3 | 120.1 | 121.8 | 122.4 | 121.8 | 120.1 | 114.3 | 107.0 | 100.0 | 94.7 | 86.8 |
| -60° | 115.8 | 124.0 | 127.2 | 129.2 | 127.2 | 124.0 | 115.8 | 105.1 | 96.1 | 87.0 | 76.3 |
| -62.5° | 112.1 | 122.6 | 129.8 | 130.6 | 129.8 | 122.6 | 112.1 | 100.3 | 89.7 | 79.2 | 69.1 |
| -65° | 97.8 | 107.6 | 115.7 | 117.4 | 115.7 | 107.6 | 97.8 | 87.5 | 77.7 | 69.0 | 59.3 |
| -67.5° | 76.2 | 84.8 | 92.1 | 96.0 | 92.1 | 84.8 | 76.2 | 68.6 | 61.1 | 54.6 | 47.5 |
| -70° | 54.9 | 59.1 | 66.8 | 71.0 | 66.8 | 59.1 | 54.9 | 50.9 | 44.5 | 41.0 | 36.7 |
| -72.5° | 39.3 | 42.9 | 47.0 | 50.5 | 47.0 | 42.9 | 39.3 | 36.4 | 32.9 | 30.6 | 27.9 |
| -75° | 25.7 | 27.9 | 30.8 | 32.7 | 30.8 | 27.9 | 25.7 | 24.5 | 23.6 | 22.8 | 20.8 |
| -77.5° | 17.5 | 19.4 | 21.3 | 21.8 | 21.3 | 19.4 | 17.5 | 17.2 | 16.9 | 16.3 | 14.4 |
| -80° | 10.7 | 12.6 | 12.7 | 12.7 | 12.7 | 12.6 | 10.7 | 10.6 | 10.5 | 10.3 | 10.1 |
| -82.5° | 6.3 | 7.6 | 7.7 | 7.7 | 7.7 | 7.6 | 6.3 | 6.2 | 6.0 | 5.9 | 5.7 |
| -85° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 |
| -87.5° | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 |
| -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: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|----------|----------|----------|----------|----------|---------|---------|---------|---------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.1 | 2.1 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 3.6 | 1.7 | 1.7 | 1.6 |
| 85° | 4.9 | 4.7 | 4.6 | 4.4 | 4.2 | 4.0 | 3.9 | 5.4 | 3.4 | 3.3 | 3.3 |
| 82.5° | 10.1 | 9.0 | 8.7 | 8.5 | 8.2 | 7.9 | 7.7 | 8.8 | 6.8 | 6.4 | 6.2 |
| 80° | 15.1 | 13.2 | 12.9 | 12.5 | 12.1 | 11.7 | 11.2 | 11.1 | 11.7 | 11.0 | 10.3 |
| 77.5° | 21.0 | 19.9 | 18.1 | 17.5 | 16.9 | 16.3 | 15.2 | 14.9 | 15.6 | 14.9 | 14.2 |
| 75° | 27.5 | 26.8 | 25.7 | 24.6 | 23.8 | 22.8 | 20.7 | 19.6 | 19.0 | 18.6 | 17.9 |
| 72.5° | 34.3 | 34.0 | 33.9 | 32.1 | 30.3 | 28.3 | 26.2 | 25.0 | 23.6 | 23.2 | 22.6 |
| 70° | 42.1 | 42.2 | 42.1 | 39.6 | 37.3 | 34.8 | 32.0 | 31.4 | 29.8 | 28.6 | 27.3 |
| 67.5° | 51.6 | 52.0 | 51.2 | 48.4 | 46.2 | 43.2 | 39.4 | 37.3 | 35.6 | 34.2 | 32.0 |
| 65° | 65.0 | 69.6 | 71.6 | 67.5 | 59.8 | 52.8 | 46.9 | 44.0 | 41.8 | 40.8 | 38.2 |
| 62.5° | 86.0 | 92.1 | 94.8 | 84.7 | 72.6 | 63.9 | 56.9 | 52.7 | 50.7 | 48.7 | 45.9 |
| 60° | 143.0 | 139.1 | 130.6 | 109.1 | 87.6 | 74.1 | 65.7 | 62.7 | 61.6 | 58.1 | 54.6 |
| 57.5° | 307.4 | 253.5 | 204.7 | 148.1 | 103.3 | 88.6 | 79.4 | 76.0 | 73.0 | 68.5 | 65.6 |
| 55° | 473.0 | 406.6 | 326.5 | 254.8 | 189.9 | 148.5 | 100.0 | 92.3 | 87.1 | 82.2 | 76.5 |
| 52.5° | 559.4 | 490.4 | 446.6 | 417.4 | 375.7 | 299.3 | 204.5 | 149.2 | 103.7 | 98.0 | 90.7 |
| 50° | 713.3 | 662.4 | 620.1 | 606.5 | 564.2 | 507.4 | 404.3 | 288.5 | 192.4 | 130.2 | 109.6 |
| 47.5° | 1242.4 | 1311.2 | 1161.6 | 1105.9 | 888.4 | 815.0 | 647.2 | 523.3 | 382.3 | 225.6 | 169.2 |
| 45° | 3801.1 | 4263.8 | 3619.4 | 3487.8 | 2430.2 | 1859.5 | 1161.1 | 854.8 | 664.3 | 447.4 | 249.5 |
| 42.5° | 13183.4 | 13549.9 | 11777.7 | 10596.0 | 7791.8 | 4905.4 | 2666.9 | 1384.9 | 1001.3 | 708.2 | 467.1 |
| 40° | 31507.3 | 31878.0 | 27577.3 | 23526.8 | 16772.0 | 10504.9 | 5523.6 | 2444.5 | 1330.9 | 973.4 | 688.6 |
| 37.5° | 73593.2 | 70453.4 | 56574.2 | 46213.5 | 31260.0 | 17519.6 | 9256.2 | 4037.6 | 1821.9 | 1177.7 | 879.5 |
| 35° | 132040.1 | 123496.8 | 110164.3 | 82478.4 | 54363.8 | 29097.3 | 13728.0 | 5943.5 | 2498.6 | 1404.8 | 1021.6 |
| 32.5° | 169823.9 | 159983.9 | 148869.0 | 119164.2 | 80784.3 | 44795.4 | 20058.2 | 7804.2 | 3166.2 | 1686.8 | 1176.6 |
| 30° | 178941.2 | 169703.5 | 160978.5 | 141912.1 | 103068.3 | 61197.7 | 29227.7 | 11286.3 | 4155.1 | 2055.0 | 1337.3 |
| 27.5° | 168675.0 | 161711.5 | 155476.5 | 145852.3 | 117274.4 | 75157.8 | 38463.4 | 15795.1 | 5575.7 | 2461.0 | 1601.3 |
| 25° | 151003.9 | 146456.9 | 142491.4 | 137275.8 | 121155.3 | 87100.1 | 47063.3 | 20090.1 | 6575.4 | 2627.0 | 1837.3 |
| 22.5° | 132885.2 | 130433.0 | 128246.5 | 126040.8 | 117394.9 | 92485.6 | 56960.2 | 26643.5 | 9587.1 | 3399.4 | 1972.4 |
| 20° | 117706.3 | 116489.7 | 115678.2 | 114897.7 | 111552.1 | 94619.2 | 63825.1 | 31754.9 | 11049.6 | 3626.1 | 2029.6 |
| 17.5° | 104964.5 | 104670.8 | 104646.3 | 104707.9 | 103565.4 | 93036.6 | 68801.5 | 38033.9 | 14922.7 | 4411.1 | 2096.1 |
| 15° | 94493.2 | 94714.1 | 95206.1 | 95735.4 | 95818.7 | 89781.5 | 71834.7 | 42082.7 | 17484.9 | 4518.7 | 2061.0 |
| 12.5° | 85601.4 | 86063.2 | 86810.6 | 87642.9 | 88340.5 | 85476.4 | 71790.2 | 46243.0 | 20604.0 | 4528.5 | 1981.4 |
| 10° | 77820.6 | 78507.0 | 79369.2 | 80395.8 | 81353.6 | 80617.1 | 70779.7 | 48835.7 | 23309.1 | 6569.2 | 1970.0 |
| 7.5° | 70998.9 | 71702.2 | 72689.8 | 73792.4 | 74745.2 | 74375.7 | 67664.7 | 49736.7 | 24706.6 | 7609.9 | 2009.3 |
| 5° | 64991.2 | 65727.6 | 66722.5 | 67756.0 | 68669.4 | 68676.6 | 63499.7 | 48518.3 | 24926.4 | 7811.8 | 1918.6 |
| 2.5° | 59756.2 | 60449.5 | 61372.8 | 62326.2 | 63082.3 | 63270.8 | 59161.6 | 46028.0 | 24203.0 | 7410.1 | 1767.8 |
| 0° | 55036.8 | 55609.7 | 56415.6 | 57220.2 | 57880.1 | 57908.3 | 54280.4 | 42580.0 | 23037.7 | 6988.1 | 1729.3 |
| -2.5° | 50858.3 | 51352.2 | 51991.7 | 52603.0 | 53051.6 | 52815.0 | 49454.6 | 38886.6 | 21368.9 | 6398.5 | 1685.3 |
| -5° | 47166.5 | 47559.3 | 48035.1 | 48445.5 | 48578.1 | 48069.9 | 44921.2 | 35197.1 | 19199.4 | 5560.8 | 1647.3 |
| -7.5° | 43781.8 | 44012.9 | 44366.3 | 44526.6 | 44356.1 | 43685.7 | 40806.2 | 31417.5 | 16515.0 | 4564.5 | 1640.8 |
| -10° | 40437.8 | 40573.2 | 40766.4 | 40811.4 | 40446.0 | 39608.6 | 36741.0 | 27472.6 | 13246.2 | 3534.4 | 1655.3 |
| -12.5° | 37574.6 | 37678.2 | 37749.7 | 37580.4 | 36970.2 | 35944.4 | 32618.6 | 23767.2 | 9587.9 | 2497.9 | 1656.4 |
| -15° | 34177.7 | 34186.0 | 34115.0 | 33757.8 | 33102.3 | 32203.2 | 28832.7 | 19964.7 | 6528.8 | 2300.8 | 1546.8 |
| -17.5° | 30463.9 | 30434.0 | 30377.4 | 30032.4 | 29484.2 | 28609.8 | 24655.3 | 14499.2 | 4714.6 | 1932.8 | 1301.4 |
| -20° | 26459.8 | 26375.9 | 26268.6 | 25996.4 | 25520.5 | 24604.6 | 19682.4 | 8197.4 | 2475.7 | 1391.9 | 1017.3 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|-------|
| -22.5° | 21273.4 | 21312.2 | 21227.0 | 20954.2 | 20461.7 | 18658.5 | 12489.0 | 4644.2 | 1719.8 | 1015.4 | 782.8 |
| -25° | 15073.4 | 15055.9 | 14948.2 | 14657.2 | 13912.4 | 11201.7 | 4867.0 | 1945.0 | 996.0 | 732.4 | 598.1 |
| -27.5° | 7104.9 | 7353.6 | 7293.2 | 7125.2 | 5864.7 | 3877.8 | 2069.6 | 1161.9 | 756.8 | 588.0 | 479.8 |
| -30° | 3466.4 | 3576.8 | 3458.8 | 2727.5 | 2067.9 | 1378.5 | 928.2 | 734.9 | 570.0 | 466.6 | 382.5 |
| -32.5° | 2657.7 | 2378.5 | 1767.9 | 1332.8 | 1019.9 | 790.9 | 659.1 | 536.9 | 447.5 | 353.9 | 283.3 |
| -35° | 1628.1 | 1352.7 | 1037.0 | 881.5 | 733.7 | 608.9 | 504.7 | 420.9 | 337.8 | 252.2 | 182.3 |
| -37.5° | 970.1 | 880.9 | 776.4 | 672.5 | 568.8 | 475.1 | 397.9 | 315.5 | 239.6 | 167.1 | 131.2 |
| -40° | 735.4 | 671.6 | 594.2 | 520.4 | 440.1 | 367.0 | 290.8 | 218.8 | 158.8 | 127.7 | 104.1 |
| -42.5° | 580.8 | 522.1 | 457.8 | 390.5 | 319.1 | 245.2 | 190.7 | 143.3 | 121.8 | 104.1 | 89.1 |
| -45° | 444.4 | 384.3 | 322.0 | 250.8 | 185.7 | 148.5 | 123.8 | 107.7 | 99.4 | 87.4 | 74.6 |
| -47.5° | 296.4 | 234.7 | 177.1 | 142.2 | 108.6 | 102.7 | 94.6 | 86.9 | 81.0 | 72.9 | 65.9 |
| -50° | 173.8 | 139.4 | 112.8 | 100.3 | 89.9 | 82.1 | 75.2 | 71.7 | 67.1 | 63.5 | 57.5 |
| -52.5° | 127.9 | 111.0 | 95.0 | 83.8 | 73.9 | 69.1 | 64.4 | 61.5 | 58.6 | 55.2 | 50.8 |
| -55° | 102.4 | 92.0 | 81.4 | 73.7 | 66.3 | 60.5 | 56.5 | 53.5 | 51.2 | 47.7 | 43.9 |
| -57.5° | 81.0 | 76.2 | 71.2 | 65.2 | 58.1 | 52.9 | 49.5 | 46.3 | 44.7 | 41.3 | 37.6 |
| -60° | 69.1 | 65.1 | 60.7 | 57.0 | 51.5 | 46.7 | 43.2 | 40.2 | 38.1 | 35.1 | 31.7 |
| -62.5° | 62.7 | 56.7 | 51.7 | 47.8 | 43.5 | 39.8 | 37.2 | 34.5 | 31.7 | 28.9 | 27.4 |
| -65° | 52.6 | 47.8 | 44.0 | 40.2 | 36.3 | 32.3 | 30.0 | 28.4 | 27.1 | 25.8 | 23.8 |
| -67.5° | 42.0 | 38.4 | 34.7 | 32.4 | 30.0 | 27.3 | 26.0 | 24.6 | 22.9 | 21.1 | 19.5 |
| -70° | 33.9 | 31.1 | 28.3 | 26.4 | 25.2 | 22.7 | 20.7 | 19.6 | 18.5 | 17.5 | 16.4 |
| -72.5° | 26.4 | 24.1 | 22.5 | 20.8 | 20.2 | 18.5 | 17.7 | 16.9 | 15.8 | 14.7 | 13.2 |
| -75° | 19.7 | 17.9 | 17.0 | 16.2 | 15.3 | 14.2 | 13.2 | 13.2 | 13.6 | 12.0 | 10.1 |
| -77.5° | 14.1 | 13.4 | 11.5 | 11.0 | 10.5 | 10.0 | 9.5 | 9.4 | 10.1 | 9.1 | 8.0 |
| -80° | 9.8 | 9.3 | 7.4 | 7.0 | 6.7 | 6.3 | 5.8 | 5.7 | 7.0 | 6.7 | 6.4 |
| -82.5° | 5.5 | 5.3 | 4.4 | 4.2 | 4.1 | 3.9 | 3.7 | 3.7 | 5.3 | 5.0 | 4.8 |
| -85° | 2.4 | 2.4 | 2.3 | 2.2 | 2.1 | 2.0 | 1.9 | 1.8 | 3.4 | 3.3 | 3.2 |
| -87.5° | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 1.7 | 1.7 | 1.6 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

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° | 3.0 | 2.9 | 2.7 | 2.6 | 3.7 | 3.4 | 4.2 | 3.9 | 3.5 | 2.4 | 2.1 |
| 85° | 4.9 | 4.8 | 4.6 | 4.5 | 6.1 | 6.5 | 7.9 | 7.5 | 6.9 | 4.7 | 4.2 |
| 82.5° | 7.4 | 7.0 | 6.5 | 6.2 | 7.5 | 8.8 | 9.9 | 9.4 | 8.7 | 6.5 | 6.1 |
| 80° | 10.4 | 9.8 | 9.2 | 9.1 | 11.3 | 12.2 | 13.1 | 11.7 | 10.3 | 8.0 | 7.5 |
| 77.5° | 13.5 | 12.7 | 12.3 | 13.1 | 15.2 | 16.2 | 17.2 | 15.5 | 13.3 | 10.0 | 8.9 |
| 75° | 16.6 | 15.6 | 15.4 | 17.1 | 19.5 | 21.0 | 21.6 | 19.4 | 16.5 | 13.0 | 11.1 |
| 72.5° | 21.0 | 19.5 | 19.1 | 20.8 | 24.1 | 26.2 | 26.2 | 23.6 | 19.9 | 16.0 | 13.7 |
| 70° | 25.5 | 23.7 | 24.4 | 27.4 | 29.8 | 31.8 | 31.5 | 27.8 | 23.5 | 19.4 | 16.1 |
| 67.5° | 30.8 | 28.2 | 30.2 | 34.1 | 36.6 | 38.7 | 37.0 | 32.0 | 27.2 | 22.5 | 18.6 |
| 65° | 37.3 | 34.3 | 36.8 | 40.6 | 44.3 | 46.2 | 44.1 | 36.7 | 30.5 | 25.4 | 21.1 |
| 62.5° | 44.4 | 43.0 | 45.6 | 50.2 | 53.1 | 53.4 | 50.7 | 42.5 | 34.1 | 27.9 | 23.6 |
| 60° | 51.0 | 52.9 | 58.0 | 62.3 | 63.8 | 61.7 | 56.3 | 48.2 | 39.2 | 30.3 | 26.0 |
| 57.5° | 60.8 | 64.7 | 71.9 | 77.7 | 77.8 | 71.7 | 63.1 | 53.7 | 44.1 | 34.7 | 28.3 |
| 55° | 76.8 | 87.9 | 91.5 | 93.9 | 93.9 | 83.8 | 71.2 | 59.1 | 48.9 | 39.3 | 30.3 |
| 52.5° | 100.3 | 114.5 | 121.3 | 116.4 | 108.8 | 96.6 | 80.0 | 66.6 | 53.5 | 43.8 | 33.7 |
| 50° | 135.0 | 147.9 | 154.3 | 150.2 | 125.1 | 107.4 | 90.3 | 74.1 | 58.7 | 48.1 | 37.2 |
| 47.5° | 183.0 | 195.4 | 193.4 | 183.8 | 150.0 | 117.7 | 100.2 | 82.2 | 65.2 | 52.3 | 40.5 |
| 45° | 261.5 | 257.3 | 247.1 | 207.9 | 171.5 | 134.8 | 109.8 | 90.3 | 71.1 | 56.0 | 43.7 |
| 42.5° | 363.4 | 329.3 | 304.3 | 243.3 | 191.2 | 153.6 | 118.2 | 98.0 | 77.5 | 60.5 | 46.9 |
| 40° | 510.7 | 405.8 | 337.5 | 275.9 | 213.2 | 171.0 | 131.9 | 104.8 | 84.2 | 64.8 | 49.8 |
| 37.5° | 636.8 | 478.4 | 373.2 | 302.1 | 240.0 | 185.6 | 145.1 | 111.2 | 90.0 | 68.9 | 52.3 |
| 35° | 764.9 | 543.1 | 405.4 | 325.4 | 263.6 | 199.1 | 156.9 | 119.1 | 95.0 | 72.7 | 54.9 |
| 32.5° | 880.0 | 634.2 | 454.7 | 350.0 | 279.7 | 216.0 | 167.4 | 128.3 | 99.4 | 76.6 | 57.6 |
| 30° | 980.4 | 718.1 | 493.9 | 369.1 | 293.9 | 230.8 | 176.8 | 136.3 | 103.4 | 80.1 | 60.0 |
| 27.5° | 1085.6 | 783.8 | 546.4 | 392.7 | 307.8 | 243.2 | 185.6 | 143.6 | 107.0 | 83.4 | 62.2 |
| 25° | 1158.6 | 832.1 | 587.0 | 413.1 | 318.2 | 255.1 | 195.6 | 150.6 | 112.0 | 86.1 | 64.2 |
| 22.5° | 1276.5 | 872.7 | 617.7 | 425.9 | 326.1 | 265.4 | 204.2 | 156.5 | 116.1 | 87.9 | 65.3 |
| 20° | 1357.2 | 903.9 | 645.1 | 449.9 | 334.6 | 272.3 | 210.7 | 160.4 | 119.4 | 88.7 | 66.2 |
| 17.5° | 1381.5 | 918.9 | 662.5 | 463.0 | 341.0 | 275.1 | 214.9 | 163.3 | 121.8 | 88.6 | 66.6 |
| 15° | 1383.2 | 940.7 | 671.1 | 466.9 | 342.0 | 276.2 | 218.4 | 165.3 | 123.0 | 88.1 | 67.2 |
| 12.5° | 1358.1 | 950.1 | 676.3 | 465.6 | 338.0 | 275.2 | 221.0 | 166.7 | 123.3 | 88.1 | 68.4 |
| 10° | 1318.5 | 944.3 | 673.6 | 467.3 | 333.2 | 273.4 | 222.0 | 167.5 | 124.7 | 88.4 | 69.3 |
| 7.5° | 1275.3 | 929.2 | 669.1 | 465.2 | 330.9 | 270.7 | 222.8 | 168.2 | 125.6 | 88.2 | 69.7 |
| 5° | 1232.6 | 908.6 | 660.5 | 461.5 | 328.6 | 267.3 | 222.4 | 167.8 | 126.1 | 88.6 | 69.8 |
| 2.5° | 1183.9 | 885.0 | 648.0 | 453.1 | 323.3 | 261.7 | 218.5 | 166.3 | 126.2 | 89.0 | 69.6 |
| 0° | 1146.4 | 857.4 | 631.2 | 440.5 | 315.4 | 254.8 | 213.0 | 163.8 | 125.6 | 89.2 | 69.2 |
| -2.5° | 1123.8 | 831.8 | 610.0 | 425.2 | 305.7 | 248.0 | 208.1 | 161.3 | 124.3 | 88.4 | 68.9 |
| -5° | 1118.9 | 813.2 | 587.2 | 406.6 | 294.1 | 241.0 | 202.2 | 158.0 | 122.5 | 87.3 | 68.3 |
| -7.5° | 1126.1 | 799.4 | 561.9 | 385.1 | 280.8 | 234.5 | 196.0 | 154.0 | 119.7 | 85.9 | 67.5 |
| -10° | 1134.5 | 780.2 | 532.5 | 361.7 | 268.3 | 227.2 | 189.0 | 149.5 | 116.1 | 84.2 | 65.9 |
| -12.5° | 1111.8 | 744.3 | 494.6 | 334.2 | 258.2 | 219.1 | 182.2 | 144.5 | 112.0 | 82.0 | 64.1 |
| -15° | 1034.5 | 681.9 | 444.9 | 312.9 | 247.5 | 210.9 | 175.0 | 138.8 | 108.0 | 79.8 | 62.3 |
| -17.5° | 900.5 | 600.4 | 403.1 | 291.3 | 235.7 | 202.1 | 165.6 | 132.9 | 103.7 | 77.7 | 60.7 |
| -20° | 750.4 | 516.6 | 357.9 | 268.1 | 222.8 | 191.7 | 156.2 | 126.6 | 98.6 | 75.3 | 59.0 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| -22.5° | 593.3 | 425.1 | 309.7 | 243.9 | 210.4 | 180.0 | 148.5 | 119.9 | 93.0 | 72.6 | 57.2 |
| -25° | 466.4 | 348.8 | 274.1 | 228.1 | 197.7 | 168.1 | 140.6 | 113.8 | 87.2 | 69.6 | 55.2 |
| -27.5° | 376.8 | 297.6 | 245.7 | 213.2 | 184.3 | 156.0 | 131.1 | 107.6 | 82.6 | 67.0 | 53.0 |
| -30° | 304.2 | 253.8 | 221.5 | 198.4 | 170.7 | 145.1 | 121.8 | 100.2 | 79.0 | 64.3 | 50.7 |
| -32.5° | 243.6 | 215.7 | 205.6 | 182.3 | 157.8 | 134.3 | 112.9 | 91.9 | 75.2 | 61.3 | 48.1 |
| -35° | 186.8 | 177.9 | 178.9 | 165.5 | 145.1 | 123.6 | 103.9 | 83.2 | 70.4 | 58.1 | 45.4 |
| -37.5° | 142.3 | 148.0 | 151.0 | 147.0 | 132.7 | 113.7 | 94.5 | 76.8 | 65.7 | 54.8 | 42.6 |
| -40° | 112.1 | 120.2 | 125.6 | 126.4 | 121.6 | 103.7 | 85.8 | 71.1 | 60.5 | 50.5 | 40.0 |
| -42.5° | 84.3 | 96.3 | 104.7 | 108.7 | 106.5 | 93.7 | 77.6 | 64.9 | 55.1 | 46.3 | 37.2 |
| -45° | 68.1 | 77.9 | 87.4 | 92.6 | 91.8 | 83.8 | 71.3 | 59.8 | 50.2 | 42.3 | 34.3 |
| -47.5° | 60.4 | 63.0 | 72.7 | 78.0 | 78.8 | 73.2 | 64.9 | 54.7 | 45.8 | 38.4 | 30.9 |
| -50° | 51.8 | 50.6 | 59.1 | 64.4 | 65.6 | 64.5 | 58.6 | 49.5 | 41.3 | 34.6 | 27.6 |
| -52.5° | 46.5 | 43.5 | 47.6 | 52.3 | 55.3 | 55.9 | 51.5 | 43.9 | 37.2 | 31.0 | 24.5 |
| -55° | 40.0 | 36.2 | 37.8 | 43.3 | 46.9 | 48.1 | 44.7 | 38.4 | 33.1 | 27.8 | 21.6 |
| -57.5° | 33.8 | 29.8 | 31.3 | 36.0 | 39.3 | 40.7 | 38.5 | 34.2 | 29.1 | 24.5 | 19.9 |
| -60° | 28.6 | 26.8 | 26.7 | 29.5 | 32.9 | 34.3 | 33.5 | 30.0 | 25.7 | 21.4 | 18.1 |
| -62.5° | 25.8 | 23.5 | 22.0 | 24.3 | 27.7 | 29.7 | 30.0 | 26.4 | 22.4 | 19.3 | 16.4 |
| -65° | 21.6 | 19.6 | 18.3 | 20.3 | 23.1 | 25.8 | 26.1 | 22.9 | 19.9 | 17.2 | 15.1 |
| -67.5° | 18.2 | 16.8 | 15.9 | 16.2 | 18.6 | 21.6 | 21.9 | 19.9 | 17.5 | 15.5 | 13.8 |
| -70° | 15.2 | 14.9 | 14.6 | 13.3 | 14.7 | 17.5 | 18.6 | 17.2 | 15.3 | 14.0 | 12.4 |
| -72.5° | 12.2 | 12.1 | 11.9 | 10.8 | 11.7 | 14.1 | 15.3 | 14.5 | 13.0 | 12.4 | 10.5 |
| -75° | 9.2 | 9.3 | 9.2 | 8.8 | 9.7 | 11.1 | 12.7 | 11.7 | 10.8 | 10.2 | 8.6 |
| -77.5° | 7.7 | 7.3 | 6.9 | 6.8 | 7.2 | 8.5 | 10.4 | 9.5 | 8.8 | 8.0 | 6.8 |
| -80° | 6.2 | 5.9 | 5.6 | 5.2 | 5.2 | 6.8 | 8.4 | 7.7 | 6.9 | 6.2 | 5.4 |
| -82.5° | 4.6 | 4.4 | 4.1 | 3.9 | 3.8 | 5.2 | 6.3 | 5.8 | 5.2 | 4.6 | 4.1 |
| -85° | 3.0 | 2.9 | 2.7 | 2.6 | 2.4 | 2.8 | 4.2 | 3.8 | 3.4 | 3.1 | 2.7 |
| -87.5° | 1.5 | 1.4 | 1.4 | 1.3 | 1.2 | 1.1 | 2.1 | 1.9 | 1.7 | 1.5 | 1.4 |
| -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: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

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° | 2.4 | 1.5 | 1.2 | 0.9 | 0.6 | 0.3 | 0.0 |
| 85° | 4.7 | 3.0 | 2.4 | 1.8 | 1.2 | 0.6 | 0.0 |
| 82.5° | 7.0 | 4.5 | 3.6 | 2.7 | 1.8 | 0.9 | 0.0 |
| 80° | 8.2 | 5.8 | 4.8 | 3.6 | 2.4 | 1.2 | 0.0 |
| 77.5° | 9.2 | 6.7 | 5.8 | 4.5 | 3.0 | 1.5 | 0.0 |
| 75° | 10.3 | 7.7 | 6.5 | 5.3 | 3.6 | 1.8 | 0.0 |
| 72.5° | 11.7 | 8.6 | 7.3 | 5.9 | 4.1 | 2.0 | 0.0 |
| 70° | 13.2 | 9.8 | 8.0 | 6.5 | 4.7 | 2.3 | 0.0 |
| 67.5° | 14.7 | 11.2 | 8.8 | 7.1 | 5.3 | 2.6 | 0.0 |
| 65° | 16.4 | 12.5 | 9.6 | 7.6 | 5.7 | 2.8 | 0.0 |
| 62.5° | 18.4 | 13.9 | 10.5 | 8.1 | 6.1 | 3.0 | 0.0 |
| 60° | 20.2 | 15.4 | 11.3 | 8.6 | 6.4 | 3.3 | 0.0 |
| 57.5° | 22.0 | 17.0 | 12.0 | 9.1 | 6.7 | 3.5 | 0.0 |
| 55° | 23.8 | 18.7 | 12.7 | 9.6 | 7.1 | 3.7 | 0.0 |
| 52.5° | 25.7 | 20.3 | 13.4 | 10.1 | 7.4 | 3.9 | 0.0 |
| 50° | 27.6 | 21.8 | 14.7 | 10.6 | 7.7 | 4.1 | 0.0 |
| 47.5° | 29.5 | 23.3 | 16.1 | 11.0 | 8.0 | 4.2 | 0.0 |
| 45° | 32.6 | 24.7 | 17.5 | 11.4 | 8.3 | 4.4 | 0.0 |
| 42.5° | 35.5 | 26.1 | 18.9 | 11.8 | 8.5 | 4.5 | 0.0 |
| 40° | 38.2 | 27.4 | 20.2 | 12.3 | 8.8 | 4.6 | 0.0 |
| 37.5° | 40.4 | 28.7 | 21.4 | 12.9 | 9.0 | 4.7 | 0.0 |
| 35° | 42.3 | 30.2 | 22.4 | 13.8 | 9.3 | 4.8 | 0.0 |
| 32.5° | 43.9 | 31.8 | 23.3 | 14.8 | 9.7 | 4.9 | 0.0 |
| 30° | 45.4 | 33.2 | 24.2 | 15.6 | 10.0 | 4.9 | 0.0 |
| 27.5° | 46.5 | 34.3 | 24.9 | 16.4 | 10.3 | 5.0 | 0.0 |
| 25° | 47.3 | 35.2 | 25.6 | 17.1 | 10.6 | 5.0 | 0.0 |
| 22.5° | 47.8 | 36.0 | 26.3 | 17.8 | 10.8 | 5.1 | 0.0 |
| 20° | 48.1 | 36.6 | 26.9 | 18.3 | 11.0 | 5.1 | 0.0 |
| 17.5° | 49.2 | 37.0 | 27.4 | 18.6 | 11.2 | 5.1 | 0.0 |
| 15° | 50.4 | 37.3 | 27.8 | 18.8 | 11.4 | 5.1 | 0.0 |
| 12.5° | 51.4 | 37.6 | 28.0 | 18.9 | 11.5 | 5.1 | 0.0 |
| 10° | 52.2 | 38.0 | 28.0 | 19.0 | 11.6 | 5.1 | 0.0 |
| 7.5° | 52.5 | 38.4 | 27.9 | 19.0 | 11.7 | 5.1 | 0.0 |
| 5° | 52.5 | 38.6 | 27.8 | 18.9 | 11.8 | 5.1 | 0.0 |
| 2.5° | 52.3 | 38.7 | 27.6 | 18.8 | 11.8 | 5.0 | 0.0 |
| 0° | 51.9 | 38.7 | 27.3 | 18.7 | 11.9 | 5.0 | 0.0 |
| -2.5° | 51.3 | 38.2 | 26.9 | 18.6 | 11.8 | 5.0 | 0.0 |
| -5° | 50.5 | 37.7 | 26.5 | 18.6 | 11.8 | 4.9 | 0.0 |
| -7.5° | 49.6 | 37.0 | 26.1 | 18.5 | 11.7 | 4.9 | 0.0 |
| -10° | 48.6 | 36.2 | 25.6 | 18.3 | 11.6 | 4.9 | 0.0 |
| -12.5° | 47.7 | 35.5 | 25.0 | 18.2 | 11.5 | 4.8 | 0.0 |
| -15° | 46.7 | 34.9 | 24.5 | 18.0 | 11.4 | 4.7 | 0.0 |
| -17.5° | 45.5 | 34.2 | 23.8 | 17.7 | 11.2 | 4.7 | 0.0 |
| -20° | 44.2 | 33.2 | 23.1 | 17.4 | 11.0 | 4.6 | 0.0 |



REPORT NUMBER: P902063 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NMB-LO

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|------|-------|------|-------|------|-------|-----|
| -22.5° | 42.9 | 32.1 | 22.4 | 17.0 | 10.8 | 4.5 | 0.0 |
| -25° | 41.5 | 30.6 | 21.6 | 16.5 | 10.6 | 4.3 | 0.0 |
| -27.5° | 39.8 | 28.9 | 20.8 | 16.1 | 10.3 | 4.2 | 0.0 |
| -30° | 38.0 | 27.1 | 20.0 | 15.7 | 10.0 | 4.1 | 0.0 |
| -32.5° | 36.1 | 25.2 | 19.3 | 15.3 | 9.7 | 3.9 | 0.0 |
| -35° | 34.1 | 23.2 | 18.6 | 14.9 | 9.4 | 3.7 | 0.0 |
| -37.5° | 32.0 | 21.6 | 18.1 | 14.4 | 9.0 | 3.6 | 0.0 |
| -40° | 29.7 | 21.0 | 17.6 | 13.9 | 8.6 | 3.4 | 0.0 |
| -42.5° | 27.3 | 20.3 | 17.0 | 13.3 | 8.2 | 3.3 | 0.0 |
| -45° | 24.8 | 19.6 | 16.5 | 12.7 | 7.8 | 3.2 | 0.0 |
| -47.5° | 22.2 | 18.9 | 15.9 | 12.0 | 7.4 | 3.0 | 0.0 |
| -50° | 20.8 | 18.2 | 15.2 | 11.3 | 6.9 | 2.9 | 0.0 |
| -52.5° | 19.4 | 17.0 | 14.4 | 10.6 | 6.5 | 2.7 | 0.0 |
| -55° | 17.9 | 15.7 | 13.3 | 9.9 | 6.0 | 2.6 | 0.0 |
| -57.5° | 16.4 | 14.4 | 12.1 | 9.2 | 5.5 | 2.4 | 0.0 |
| -60° | 15.4 | 13.2 | 10.9 | 8.4 | 5.0 | 2.2 | 0.0 |
| -62.5° | 14.3 | 12.0 | 9.7 | 7.6 | 4.4 | 2.1 | 0.0 |
| -65° | 13.2 | 10.7 | 8.5 | 6.8 | 3.9 | 1.9 | 0.0 |
| -67.5° | 11.8 | 9.3 | 7.4 | 6.0 | 3.4 | 1.7 | 0.0 |
| -70° | 10.2 | 8.0 | 6.5 | 5.1 | 3.1 | 1.5 | 0.0 |
| -72.5° | 8.6 | 6.8 | 5.6 | 4.3 | 2.7 | 1.4 | 0.0 |
| -75° | 7.0 | 5.8 | 4.7 | 3.5 | 2.3 | 1.2 | 0.0 |
| -77.5° | 5.8 | 4.9 | 3.9 | 2.9 | 1.9 | 1.0 | 0.0 |
| -80° | 4.7 | 3.9 | 3.1 | 2.3 | 1.6 | 0.8 | 0.0 |
| -82.5° | 3.5 | 2.9 | 2.3 | 1.8 | 1.2 | 0.6 | 0.0 |
| -85° | 2.3 | 1.9 | 1.6 | 1.2 | 0.8 | 0.4 | 0.0 |
| -87.5° | 1.2 | 1.0 | 0.8 | 0.6 | 0.4 | 0.2 | 0.0 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)