

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: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-2S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-2S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

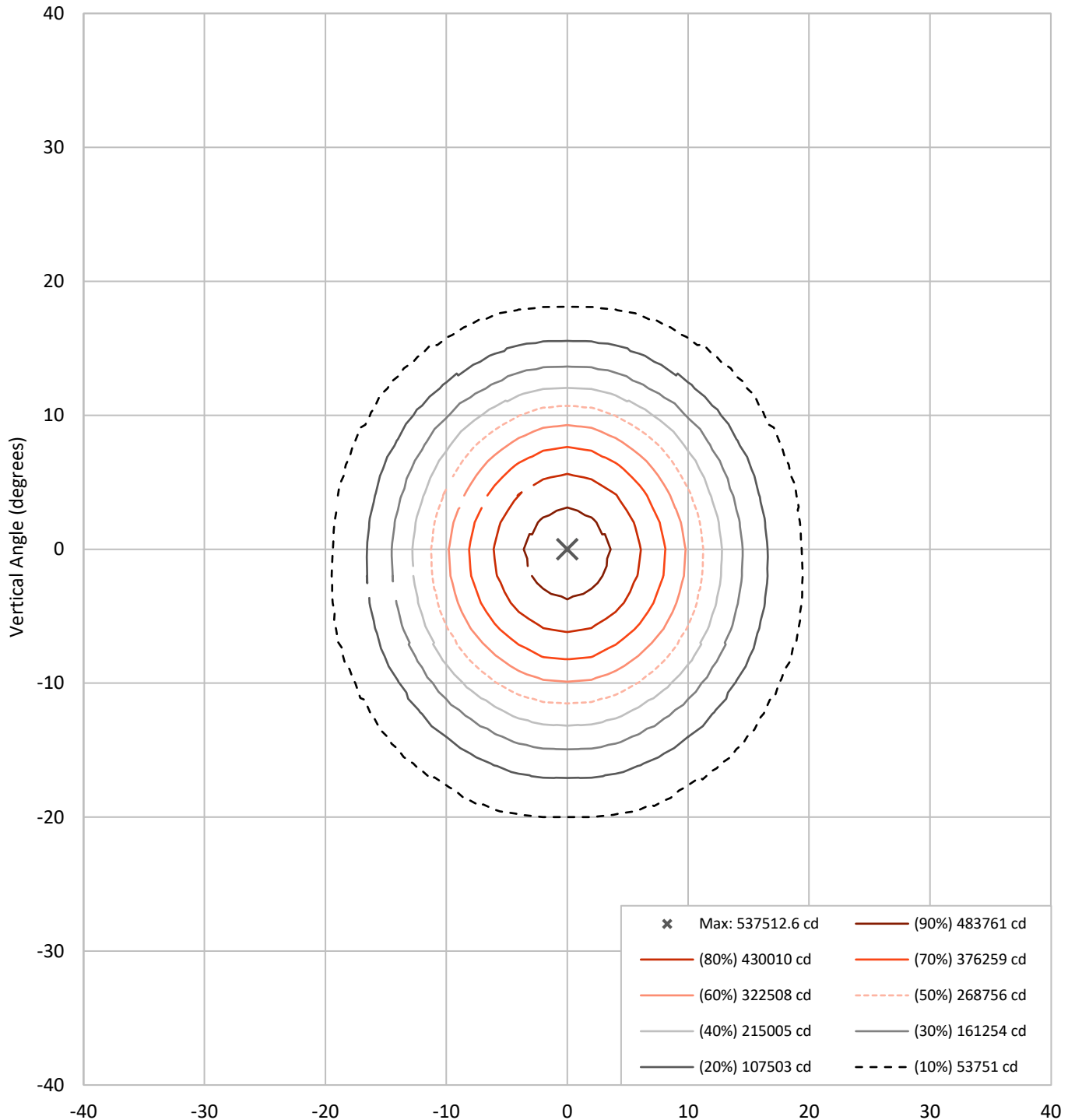
Summary

| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 93949.2 lumens | Max Intensity: | 537512.6 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 133.6 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') | | |
| Beam Angle (50%): | 22.5°H x 22.2°V | Field Angle (10%): | 38.8°H x 38.1°V |
| Beam Lumens: | 43900.9 lumens | Field Lumens: | 78208.6 lumens |
| Beam Efficiency: | 46.7% | Field Efficiency: | 83.2% |

Input Watts (W): 703.3
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

REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

Iso-Candela Plot





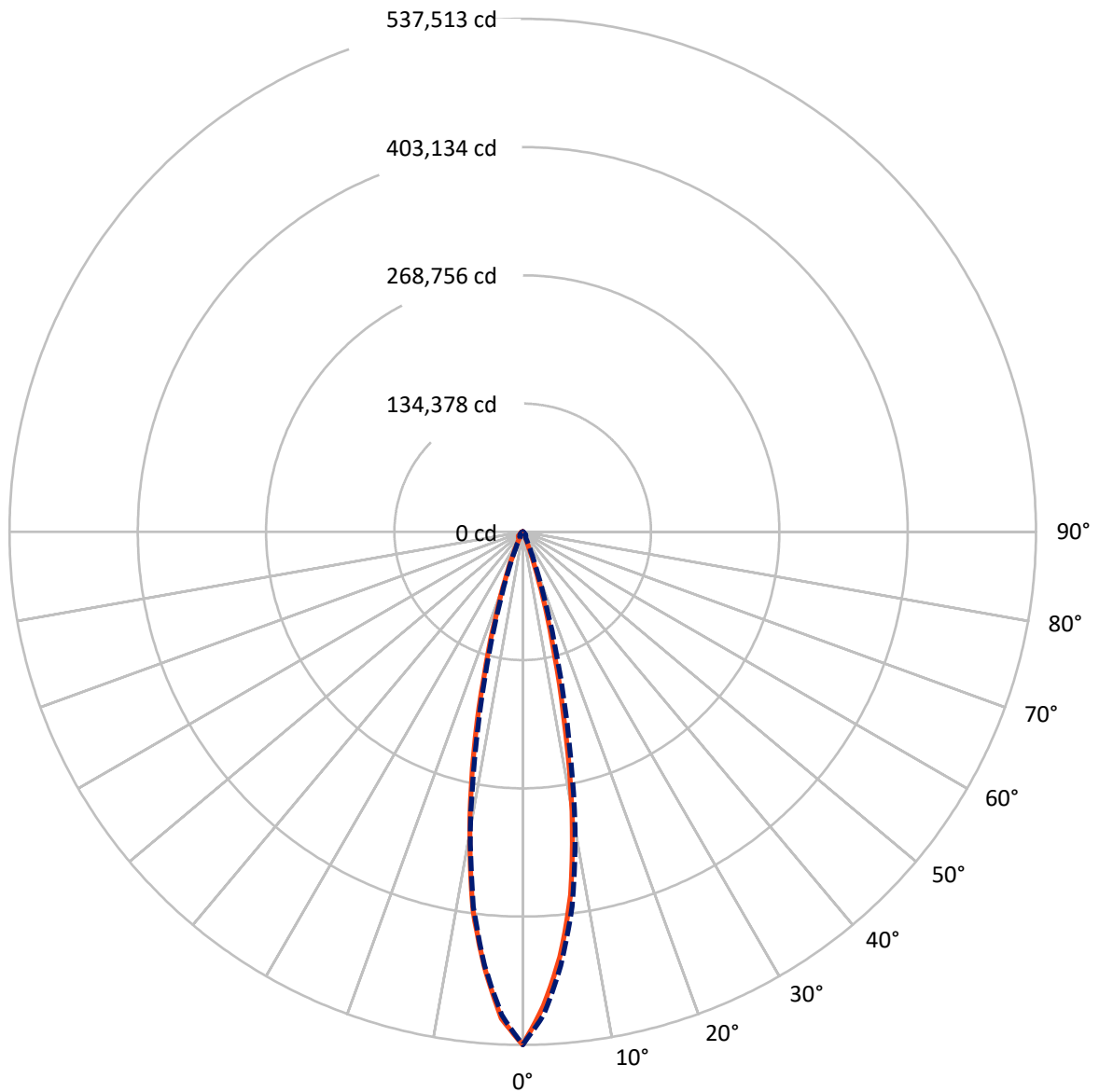
REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

Lumen Table

| | | | | | | | | | | | | | | | | | | |
|-----|-----|--|-----|------|------|-------|-------|--------|---------|---------|--------|-------|-------|------|------|-----|-----|--|
| 90 | 0.2 | | 0.8 | | 1.4 | | 2.0 | | 2.4 | | 2.0 | | 1.4 | | 0.8 | | 0.2 | |
| 80 | 0.2 | | 0.1 | 0.2 | 0.7 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.7 | 0.2 | 0.1 | 0.2 | |
| 70 | 0.2 | | 0.3 | 0.8 | 1.1 | 0.9 | 0.8 | 0.9 | 1.1 | 1.1 | 0.9 | 0.8 | 0.9 | 1.1 | 0.8 | 0.3 | 0.2 | |
| 60 | 0.7 | | 1.1 | 2.8 | 5.6 | 9.8 | 16.2 | 24.8 | 29.2 | 29.2 | 24.8 | 16.2 | 9.8 | 5.6 | 2.8 | 1.1 | 0.7 | |
| 50 | 0.7 | | 2.9 | 9.2 | 17.9 | 35.0 | 60.9 | 74.0 | 82.0 | 82.0 | 74.0 | 60.9 | 35.0 | 17.9 | 9.2 | 2.9 | 0.7 | |
| 40 | 1.9 | | 5.0 | 15.3 | 32.7 | 79.8 | 92.9 | 128.1 | 234.0 | 234.0 | 128.1 | 92.9 | 79.8 | 32.7 | 15.3 | 5.0 | 1.9 | |
| 30 | 1.9 | | 6.7 | 20.0 | 57.2 | 112.6 | 165.4 | 1049.0 | 3383.6 | 3383.6 | 1049.0 | 165.4 | 112.6 | 57.2 | 20.0 | 6.7 | 1.9 | |
| 20 | 2.7 | | 8.1 | 23.0 | 74.8 | 128.9 | 369.8 | 3716.4 | 11172.1 | 11172.1 | 3716.4 | 369.8 | 128.9 | 74.8 | 23.0 | 8.1 | 2.7 | |
| 10 | 2.7 | | 8.9 | 25.4 | 78.9 | 141.8 | 424.0 | 4047.4 | 11618.5 | 11618.5 | 4047.4 | 424.0 | 141.8 | 78.9 | 25.4 | 8.9 | 2.7 | |
| 0 | 2.9 | | 9.0 | 26.5 | 76.1 | 149.3 | 242.7 | 1483.3 | 4345.4 | 4345.4 | 1483.3 | 242.7 | 149.3 | 76.1 | 26.5 | 9.0 | 2.9 | |
| -10 | 2.9 | | 8.3 | 26.0 | 58.1 | 140.7 | 192.9 | 268.1 | 536.2 | 536.2 | 268.1 | 192.9 | 140.7 | 58.1 | 26.0 | 8.3 | 2.9 | |
| -20 | 2.4 | | 7.0 | 22.8 | 45.5 | 98.4 | 173.3 | 203.0 | 212.9 | 212.9 | 203.0 | 173.3 | 98.4 | 45.5 | 22.8 | 7.0 | 2.4 | |
| -30 | 2.4 | | 5.4 | 17.2 | 36.8 | 58.7 | 90.2 | 137.2 | 172.3 | 172.3 | 137.2 | 90.2 | 58.7 | 36.8 | 17.2 | 5.4 | 2.4 | |
| -40 | 1.9 | | 3.5 | 11.0 | 24.1 | 41.1 | 55.6 | 66.4 | 73.3 | 73.3 | 66.4 | 55.6 | 41.1 | 24.1 | 11.0 | 3.5 | 1.9 | |
| -50 | 1.9 | | 2.4 | 5.5 | 12.1 | 21.0 | 29.5 | 37.1 | 41.7 | 41.7 | 37.1 | 29.5 | 21.0 | 12.1 | 5.5 | 2.4 | 1.9 | |
| -60 | 1.9 | | 2.4 | 5.5 | 12.1 | 21.0 | 29.5 | 37.1 | 41.7 | 41.7 | 37.1 | 29.5 | 21.0 | 12.1 | 5.5 | 2.4 | 1.9 | |
| -70 | 1.9 | | 2.4 | 5.5 | 12.1 | 21.0 | 29.5 | 37.1 | 41.7 | 41.7 | 37.1 | 29.5 | 21.0 | 12.1 | 5.5 | 2.4 | 1.9 | |
| -80 | 1.4 | | 8.6 | | 20.9 | | 34.8 | | 42.6 | | 34.8 | | 20.9 | | 8.6 | | 1.4 | |
| -90 | 1.4 | | 8.6 | | 20.9 | | 34.8 | | 42.6 | | 34.8 | | 20.9 | | 8.6 | | 1.4 | |

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CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

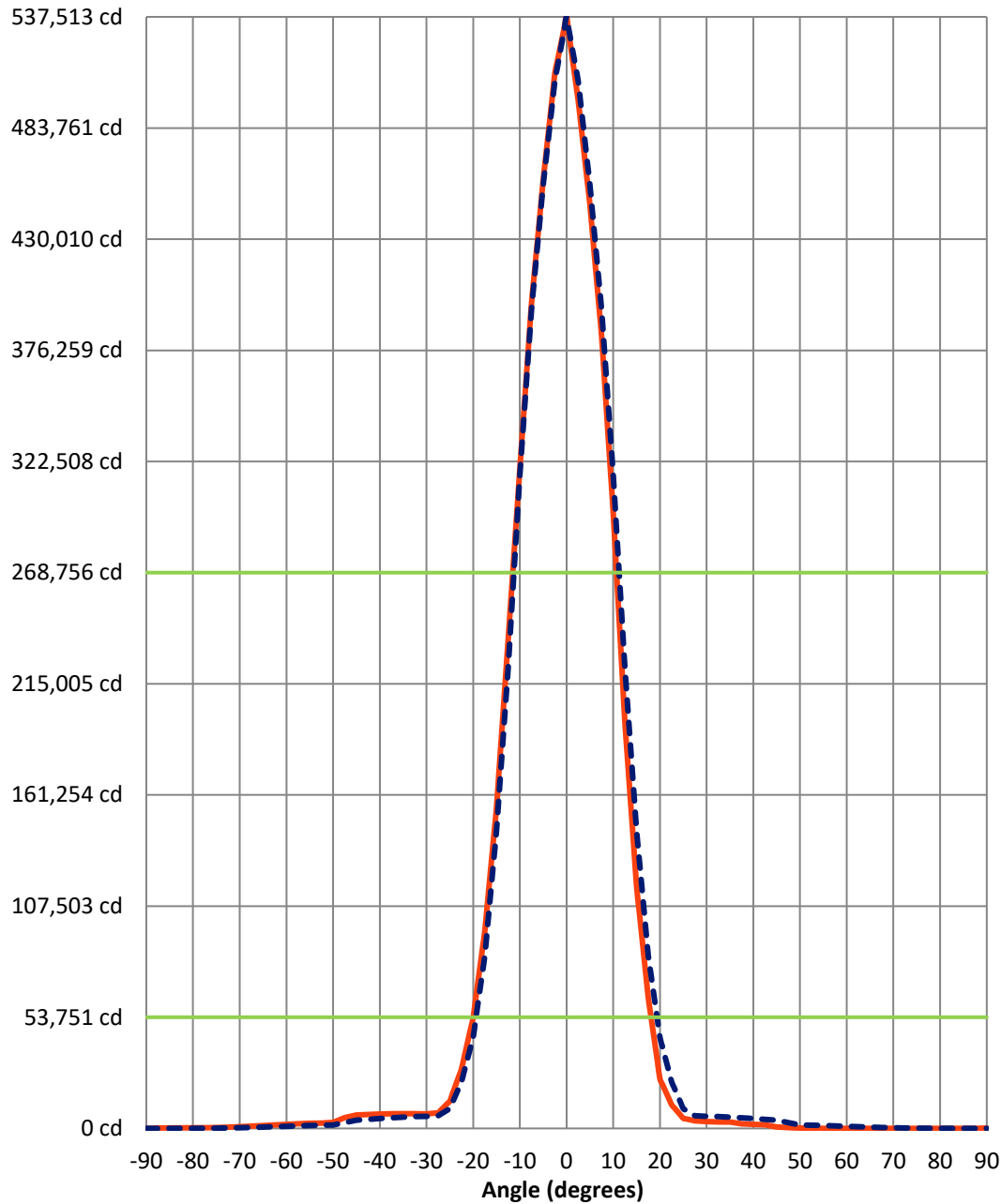
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 43900.9
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 78208.6
 Efficiency: 83.2%

Spill:
 Lumens: 15740.7
 Efficiency: 16.8%

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



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| 90° | 5.5 | 11.5 | 17.6 | 30.2 | 42.8 | 53.7 | 64.7 | 73.0 | 81.2 | 87.8 | 94.3 |
| 87.5° | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.8 | 5.7 | 5.5 | 5.5 | 5.5 |
| 85° | 5.5 | 5.8 | 5.9 | 5.9 | 5.9 | 6.0 | 6.1 | 5.8 | 5.5 | 5.5 | 5.5 |
| 82.5° | 5.5 | 5.9 | 6.1 | 6.1 | 6.1 | 6.2 | 6.4 | 6.0 | 5.6 | 5.7 | 5.8 |
| 80° | 5.5 | 6.1 | 6.3 | 6.4 | 6.3 | 6.4 | 6.6 | 6.4 | 6.3 | 6.4 | 6.3 |
| 77.5° | 5.5 | 6.2 | 6.5 | 6.6 | 6.5 | 6.7 | 6.9 | 6.9 | 7.1 | 7.1 | 6.8 |
| 75° | 5.5 | 6.4 | 6.7 | 6.8 | 6.7 | 7.1 | 7.2 | 7.4 | 7.7 | 7.6 | 7.3 |
| 72.5° | 5.5 | 6.5 | 6.9 | 7.1 | 7.1 | 7.5 | 7.6 | 7.8 | 8.2 | 8.1 | 7.8 |
| 70° | 5.5 | 6.7 | 7.1 | 7.3 | 7.5 | 7.9 | 8.0 | 8.4 | 8.6 | 8.5 | 8.4 |
| 67.5° | 5.5 | 6.8 | 7.3 | 7.6 | 7.9 | 8.3 | 8.6 | 8.9 | 9.1 | 9.3 | 9.1 |
| 65° | 5.5 | 6.9 | 7.5 | 7.9 | 8.3 | 8.8 | 9.3 | 9.5 | 10.3 | 10.2 | 10.1 |
| 62.5° | 5.5 | 7.1 | 7.8 | 8.2 | 8.7 | 9.5 | 10.0 | 10.7 | 11.5 | 11.3 | 11.9 |
| 60° | 5.5 | 7.2 | 8.0 | 8.5 | 9.1 | 10.1 | 10.7 | 12.3 | 13.0 | 13.6 | 13.8 |
| 57.5° | 5.5 | 7.4 | 8.3 | 8.7 | 9.8 | 10.8 | 12.5 | 14.0 | 15.6 | 16.4 | 18.4 |
| 55° | 5.5 | 7.5 | 8.6 | 9.0 | 10.6 | 11.5 | 14.5 | 16.0 | 18.8 | 20.3 | 24.7 |
| 52.5° | 5.5 | 7.6 | 9.0 | 9.3 | 11.4 | 12.4 | 16.7 | 19.4 | 22.3 | 28.0 | 31.5 |
| 50° | 5.5 | 7.8 | 9.3 | 9.6 | 12.3 | 14.7 | 19.0 | 23.1 | 27.3 | 36.3 | 45.1 |
| 47.5° | 5.5 | 7.9 | 9.7 | 10.0 | 13.2 | 17.1 | 21.6 | 27.0 | 35.7 | 45.4 | 61.2 |
| 45° | 5.5 | 8.1 | 10.2 | 10.7 | 14.2 | 19.6 | 25.1 | 31.0 | 45.0 | 61.6 | 78.9 |
| 42.5° | 5.5 | 8.2 | 10.6 | 11.5 | 15.3 | 22.2 | 28.7 | 37.9 | 54.9 | 79.0 | 107.3 |
| 40° | 5.5 | 8.3 | 11.1 | 12.6 | 16.8 | 24.8 | 32.5 | 46.9 | 67.7 | 97.7 | 139.6 |
| 37.5° | 5.5 | 8.5 | 11.6 | 13.9 | 18.9 | 27.5 | 36.6 | 56.3 | 85.9 | 121.8 | 174.1 |
| 35° | 5.5 | 8.6 | 12.1 | 15.2 | 21.0 | 30.6 | 40.8 | 65.9 | 104.9 | 154.0 | 212.8 |
| 32.5° | 5.5 | 8.7 | 12.6 | 16.6 | 23.0 | 34.0 | 46.3 | 75.9 | 124.8 | 186.8 | 253.8 |
| 30° | 5.5 | 8.8 | 13.2 | 18.0 | 25.1 | 37.3 | 54.4 | 87.4 | 145.5 | 219.9 | 292.9 |
| 27.5° | 5.5 | 9.0 | 13.7 | 19.5 | 27.7 | 40.7 | 62.4 | 102.7 | 166.7 | 253.3 | 329.9 |
| 25° | 5.5 | 9.1 | 14.3 | 21.0 | 30.4 | 44.0 | 70.4 | 117.1 | 188.9 | 284.9 | 365.0 |
| 22.5° | 5.5 | 9.2 | 14.9 | 22.5 | 33.0 | 47.4 | 78.1 | 130.6 | 209.4 | 306.3 | 403.1 |
| 20° | 5.5 | 9.3 | 15.5 | 24.0 | 35.5 | 50.9 | 85.6 | 143.3 | 228.1 | 326.1 | 432.8 |
| 17.5° | 5.5 | 9.4 | 16.0 | 25.5 | 37.8 | 54.3 | 92.5 | 155.0 | 245.0 | 344.4 | 460.8 |
| 15° | 5.5 | 9.5 | 16.6 | 27.0 | 40.1 | 57.6 | 98.6 | 165.4 | 260.1 | 360.9 | 487.7 |
| 12.5° | 5.5 | 9.6 | 17.2 | 28.5 | 42.3 | 60.7 | 104.3 | 174.2 | 274.3 | 375.7 | 513.2 |
| 10° | 5.5 | 9.6 | 17.7 | 29.9 | 44.4 | 63.6 | 109.3 | 182.0 | 287.9 | 394.1 | 539.5 |
| 7.5° | 5.5 | 9.7 | 18.3 | 31.3 | 46.4 | 66.4 | 113.9 | 188.8 | 300.1 | 411.9 | 569.5 |
| 5° | 5.5 | 9.8 | 18.8 | 32.6 | 48.2 | 69.0 | 117.8 | 194.5 | 310.8 | 428.3 | 596.9 |
| 2.5° | 5.5 | 9.8 | 19.3 | 33.9 | 50.0 | 71.3 | 121.2 | 199.3 | 319.8 | 442.8 | 621.5 |
| 0° | 5.5 | 9.9 | 19.7 | 35.1 | 51.6 | 73.5 | 124.0 | 202.9 | 326.9 | 455.3 | 642.8 |
| -2.5° | 5.5 | 10.3 | 20.7 | 36.6 | 53.9 | 76.6 | 128.0 | 210.3 | 336.9 | 468.4 | 654.0 |
| -5° | 5.5 | 10.7 | 21.7 | 38.1 | 56.0 | 79.4 | 131.3 | 216.5 | 344.8 | 479.1 | 661.5 |
| -7.5° | 5.5 | 11.1 | 22.7 | 39.4 | 57.9 | 82.0 | 134.0 | 221.3 | 350.5 | 487.2 | 665.5 |
| -10° | 5.5 | 11.5 | 23.6 | 40.7 | 59.8 | 84.3 | 136.1 | 224.6 | 353.9 | 492.6 | 666.2 |
| -12.5° | 5.5 | 11.9 | 24.4 | 41.9 | 61.4 | 86.4 | 137.4 | 226.3 | 355.0 | 494.8 | 665.4 |
| -15° | 5.5 | 12.3 | 25.2 | 42.9 | 62.9 | 88.2 | 138.1 | 226.3 | 352.4 | 490.8 | 660.8 |
| -17.5° | 5.5 | 12.6 | 26.0 | 43.9 | 64.2 | 89.7 | 138.1 | 224.0 | 345.9 | 483.9 | 651.0 |
| -20° | 5.5 | 12.9 | 26.6 | 44.7 | 65.4 | 90.9 | 137.5 | 219.8 | 337.2 | 474.1 | 635.8 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| -22.5° | 5.5 | 13.2 | 27.2 | 45.5 | 66.3 | 91.9 | 136.5 | 214.1 | 326.3 | 461.3 | 615.5 |
| -25° | 5.5 | 13.5 | 27.8 | 46.1 | 67.1 | 92.7 | 134.6 | 206.9 | 313.2 | 445.4 | 595.6 |
| -27.5° | 5.5 | 13.8 | 28.2 | 46.6 | 67.6 | 93.3 | 131.9 | 198.3 | 298.0 | 432.4 | 581.6 |
| -30° | 5.5 | 14.0 | 28.6 | 47.1 | 68.0 | 93.6 | 128.4 | 188.3 | 285.8 | 417.8 | 564.2 |
| -32.5° | 5.5 | 14.2 | 28.9 | 47.4 | 68.5 | 93.6 | 124.1 | 181.9 | 275.5 | 400.0 | 542.9 |
| -35° | 5.5 | 14.4 | 29.1 | 47.6 | 68.9 | 93.3 | 122.4 | 176.5 | 262.8 | 379.1 | 517.9 |
| -37.5° | 5.5 | 14.5 | 29.3 | 47.7 | 69.0 | 93.0 | 121.7 | 170.4 | 247.4 | 354.9 | 490.7 |
| -40° | 5.5 | 14.6 | 29.3 | 47.6 | 69.0 | 92.9 | 120.6 | 162.7 | 229.6 | 333.0 | 460.2 |
| -42.5° | 5.5 | 14.7 | 29.3 | 47.6 | 68.9 | 92.6 | 119.1 | 153.7 | 216.0 | 309.7 | 425.5 |
| -45° | 5.5 | 14.8 | 29.2 | 47.5 | 68.9 | 92.1 | 117.3 | 146.7 | 203.9 | 283.2 | 388.1 |
| -47.5° | 5.5 | 14.8 | 29.0 | 47.4 | 68.7 | 91.4 | 114.9 | 143.9 | 190.0 | 254.0 | 354.7 |
| -50° | 5.5 | 14.8 | 28.8 | 47.1 | 68.2 | 90.5 | 113.4 | 140.6 | 174.2 | 235.8 | 317.7 |
| -52.5° | 5.5 | 14.8 | 28.4 | 46.8 | 67.6 | 89.3 | 111.8 | 136.7 | 166.0 | 215.9 | 278.2 |
| -55° | 5.5 | 14.8 | 28.0 | 46.3 | 66.9 | 88.0 | 109.9 | 132.5 | 160.7 | 194.2 | 251.8 |
| -57.5° | 5.5 | 14.7 | 27.5 | 45.7 | 65.9 | 86.6 | 107.7 | 129.9 | 154.9 | 183.7 | 224.0 |
| -60° | 5.5 | 14.6 | 27.0 | 44.9 | 64.8 | 84.9 | 105.2 | 126.8 | 149.0 | 176.1 | 201.2 |
| -62.5° | 5.5 | 14.5 | 26.5 | 44.1 | 63.5 | 82.9 | 102.6 | 123.3 | 144.6 | 167.6 | 190.8 |
| -65° | 5.5 | 14.3 | 26.0 | 43.1 | 62.1 | 80.7 | 99.7 | 119.5 | 139.8 | 160.4 | 179.9 |
| -67.5° | 5.5 | 14.1 | 25.4 | 42.0 | 60.4 | 78.3 | 96.4 | 115.4 | 134.6 | 153.5 | 170.8 |
| -70° | 5.5 | 13.9 | 24.8 | 40.8 | 58.7 | 75.7 | 92.9 | 111.0 | 129.4 | 146.2 | 162.4 |
| -72.5° | 5.5 | 13.7 | 24.0 | 39.7 | 56.7 | 73.0 | 89.4 | 106.4 | 124.0 | 139.3 | 153.7 |
| -75° | 5.5 | 13.4 | 23.3 | 38.6 | 54.6 | 70.0 | 85.6 | 101.6 | 118.3 | 132.1 | 145.3 |
| -77.5° | 5.5 | 13.2 | 22.4 | 37.4 | 52.9 | 66.9 | 81.7 | 96.5 | 112.0 | 124.6 | 136.7 |
| -80° | 5.5 | 12.9 | 21.5 | 36.1 | 51.1 | 64.3 | 77.5 | 91.2 | 105.4 | 116.5 | 127.4 |
| -82.5° | 5.5 | 12.6 | 20.6 | 34.8 | 49.2 | 61.8 | 74.4 | 86.2 | 98.6 | 108.2 | 117.8 |
| -85° | 5.5 | 12.2 | 19.6 | 33.3 | 47.2 | 59.2 | 71.3 | 81.9 | 92.9 | 101.0 | 108.9 |
| -87.5° | 5.5 | 11.9 | 18.6 | 31.8 | 45.0 | 56.5 | 68.1 | 77.5 | 87.1 | 94.4 | 101.7 |
| -90° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 99.3 | 104.2 | 108.6 | 113.0 | 118.0 | 122.9 | 128.4 | 133.8 | 139.3 | 144.8 | 149.2 |
| 87.5° | 5.2 | 5.0 | 5.0 | 5.0 | 4.7 | 4.4 | 4.4 | 4.4 | 3.9 | 3.3 | 3.3 |
| 85° | 5.5 | 5.5 | 5.5 | 5.5 | 5.1 | 4.7 | 4.6 | 4.4 | 4.1 | 3.9 | 3.9 |
| 82.5° | 5.9 | 6.0 | 5.9 | 5.5 | 5.4 | 5.4 | 5.0 | 4.6 | 4.6 | 4.7 | 4.6 |
| 80° | 6.4 | 6.6 | 6.2 | 5.9 | 5.8 | 5.6 | 5.4 | 5.3 | 5.4 | 5.5 | 5.1 |
| 77.5° | 6.8 | 6.7 | 6.5 | 6.5 | 6.2 | 5.8 | 5.9 | 6.1 | 6.0 | 5.6 | 5.5 |
| 75° | 7.1 | 6.8 | 6.7 | 6.7 | 6.5 | 6.5 | 6.6 | 6.6 | 6.4 | 6.2 | 6.1 |
| 72.5° | 7.6 | 7.4 | 7.2 | 6.9 | 6.8 | 6.7 | 6.6 | 6.6 | 7.7 | 9.2 | 10.4 |
| 70° | 8.2 | 8.0 | 7.8 | 7.5 | 7.3 | 7.4 | 8.7 | 11.2 | 13.9 | 16.0 | 18.8 |
| 67.5° | 8.8 | 8.8 | 8.4 | 8.4 | 9.0 | 10.2 | 12.2 | 19.4 | 26.8 | 29.3 | 30.6 |
| 65° | 9.8 | 9.7 | 9.6 | 10.3 | 10.9 | 16.4 | 23.7 | 32.2 | 41.3 | 43.0 | 41.3 |
| 62.5° | 11.1 | 12.2 | 11.9 | 13.8 | 18.8 | 25.6 | 34.7 | 44.5 | 54.8 | 52.4 | 43.7 |
| 60° | 15.1 | 15.9 | 17.6 | 21.8 | 27.5 | 35.2 | 45.4 | 49.5 | 53.9 | 54.7 | 42.4 |
| 57.5° | 20.4 | 22.7 | 26.8 | 31.2 | 38.8 | 43.1 | 44.6 | 44.7 | 50.9 | 51.3 | 39.0 |
| 55° | 28.3 | 32.2 | 38.5 | 43.8 | 48.6 | 43.9 | 43.9 | 48.0 | 50.1 | 46.3 | 34.6 |
| 52.5° | 40.8 | 44.9 | 54.7 | 58.7 | 56.1 | 52.2 | 51.2 | 54.7 | 52.7 | 47.0 | 40.0 |
| 50° | 54.6 | 66.4 | 72.9 | 76.1 | 69.9 | 69.1 | 63.5 | 66.8 | 68.8 | 65.8 | 68.8 |
| 47.5° | 76.9 | 91.2 | 96.5 | 101.2 | 96.2 | 101.5 | 96.2 | 111.9 | 112.3 | 151.0 | 155.4 |
| 45° | 104.0 | 123.2 | 129.5 | 140.6 | 149.1 | 154.0 | 184.6 | 186.7 | 268.7 | 301.0 | 370.1 |
| 42.5° | 135.7 | 160.8 | 182.7 | 188.2 | 239.9 | 264.6 | 307.9 | 387.0 | 462.8 | 528.0 | 564.9 |
| 40° | 176.4 | 203.2 | 248.9 | 299.9 | 358.7 | 416.5 | 481.0 | 573.9 | 654.0 | 689.1 | 707.7 |
| 37.5° | 221.1 | 272.4 | 333.3 | 418.6 | 505.9 | 572.4 | 648.9 | 736.4 | 789.6 | 808.1 | 812.4 |
| 35° | 268.9 | 343.0 | 444.8 | 534.5 | 628.0 | 717.3 | 788.7 | 872.3 | 890.1 | 904.9 | 987.2 |
| 32.5° | 327.2 | 413.5 | 533.7 | 634.2 | 728.9 | 831.2 | 903.5 | 952.8 | 981.3 | 1035.6 | 1303.8 |
| 30° | 385.6 | 486.9 | 605.8 | 712.6 | 823.1 | 920.3 | 989.2 | 1037.1 | 1069.6 | 1326.0 | 1882.8 |
| 27.5° | 433.6 | 550.0 | 668.1 | 792.2 | 914.4 | 1011.8 | 1078.0 | 1121.7 | 1311.0 | 1736.0 | 2593.3 |
| 25° | 477.2 | 599.6 | 730.5 | 880.2 | 1008.7 | 1098.9 | 1166.8 | 1209.9 | 1633.4 | 2501.4 | 3096.0 |
| 22.5° | 518.1 | 647.6 | 801.0 | 973.2 | 1102.5 | 1179.2 | 1244.4 | 1478.9 | 2120.2 | 3276.9 | 3596.7 |
| 20° | 558.0 | 705.2 | 877.6 | 1052.0 | 1190.5 | 1247.3 | 1315.7 | 1780.4 | 2746.4 | 3575.4 | 3925.7 |
| 17.5° | 599.4 | 764.3 | 949.8 | 1112.5 | 1236.4 | 1308.0 | 1417.7 | 2072.9 | 3275.0 | 3836.8 | 4090.2 |
| 15° | 640.8 | 820.0 | 1008.7 | 1165.9 | 1281.6 | 1367.5 | 1650.9 | 2491.9 | 3602.5 | 4124.0 | 4362.7 |
| 12.5° | 681.4 | 868.8 | 1052.9 | 1211.5 | 1328.9 | 1424.0 | 1864.2 | 2925.0 | 3898.4 | 4406.0 | 4721.9 |
| 10° | 720.4 | 911.0 | 1090.8 | 1255.7 | 1375.2 | 1478.7 | 2079.7 | 3348.5 | 4165.7 | 4589.9 | 4854.7 |
| 7.5° | 754.5 | 945.4 | 1123.5 | 1298.0 | 1418.5 | 1532.4 | 2316.0 | 3629.4 | 4279.4 | 4706.7 | 4922.0 |
| 5° | 783.6 | 972.6 | 1156.7 | 1345.2 | 1463.4 | 1581.9 | 2530.6 | 3814.7 | 4322.7 | 4778.8 | 4992.3 |
| 2.5° | 808.1 | 994.5 | 1185.3 | 1389.5 | 1507.6 | 1623.7 | 2681.0 | 3932.1 | 4352.1 | 4806.4 | 5061.4 |
| 0° | 828.2 | 1011.4 | 1208.9 | 1428.3 | 1547.9 | 1660.9 | 2793.0 | 3988.7 | 4361.7 | 4796.1 | 5126.3 |
| -2.5° | 841.2 | 1036.2 | 1252.7 | 1465.8 | 1581.0 | 1692.0 | 2788.3 | 4022.0 | 4373.7 | 4851.5 | 5377.0 |
| -5° | 850.0 | 1055.5 | 1289.5 | 1497.5 | 1610.8 | 1719.4 | 2740.7 | 3997.7 | 4400.1 | 4935.7 | 5540.9 |
| -7.5° | 854.4 | 1068.5 | 1317.8 | 1523.0 | 1639.1 | 1750.0 | 2681.7 | 3941.5 | 4535.3 | 5108.9 | 5643.7 |
| -10° | 855.8 | 1076.2 | 1323.5 | 1535.3 | 1665.2 | 1780.3 | 2584.6 | 3823.3 | 4642.0 | 5181.3 | 5673.5 |
| -12.5° | 861.5 | 1079.9 | 1320.5 | 1540.3 | 1687.5 | 1807.9 | 2464.6 | 3745.0 | 4785.5 | 5226.1 | 5662.7 |
| -15° | 861.0 | 1078.5 | 1311.7 | 1538.8 | 1714.7 | 1844.8 | 2305.0 | 3560.3 | 4873.0 | 5236.1 | 5633.5 |
| -17.5° | 853.7 | 1072.3 | 1298.2 | 1533.6 | 1740.7 | 1872.5 | 2079.9 | 3180.1 | 4623.1 | 5191.8 | 5599.1 |
| -20° | 839.4 | 1058.8 | 1279.2 | 1516.9 | 1755.1 | 1898.1 | 2053.0 | 2847.3 | 4108.7 | 5074.4 | 5534.2 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 818.8 | 1039.1 | 1256.0 | 1489.1 | 1748.2 | 1927.1 | 2071.7 | 2523.6 | 3600.6 | 4900.3 | 5428.9 |
| -25° | 794.8 | 1011.6 | 1229.1 | 1474.0 | 1738.1 | 1954.8 | 2075.6 | 2222.9 | 3158.7 | 4324.2 | 5247.5 |
| -27.5° | 768.2 | 977.7 | 1199.6 | 1442.0 | 1722.4 | 1949.8 | 2074.0 | 2213.0 | 2688.0 | 3615.5 | 4958.7 |
| -30° | 737.4 | 939.5 | 1158.9 | 1395.7 | 1666.9 | 1897.3 | 2069.1 | 2184.0 | 2329.2 | 3059.6 | 4205.2 |
| -32.5° | 703.2 | 896.4 | 1110.4 | 1343.1 | 1595.5 | 1838.7 | 2040.5 | 2160.8 | 2288.2 | 2538.3 | 3461.8 |
| -35° | 669.8 | 854.7 | 1056.9 | 1282.6 | 1522.5 | 1759.1 | 1965.6 | 2136.5 | 2243.4 | 2384.0 | 2805.5 |
| -37.5° | 638.7 | 808.0 | 998.2 | 1216.5 | 1448.6 | 1660.3 | 1883.6 | 2068.8 | 2215.2 | 2317.1 | 2487.6 |
| -40° | 602.8 | 755.8 | 938.1 | 1142.5 | 1351.0 | 1552.5 | 1764.9 | 1973.2 | 2153.0 | 2287.3 | 2388.9 |
| -42.5° | 562.4 | 708.7 | 873.6 | 1055.1 | 1247.8 | 1439.6 | 1640.5 | 1846.8 | 2044.1 | 2221.1 | 2347.1 |
| -45° | 518.7 | 656.0 | 804.4 | 969.3 | 1140.3 | 1323.1 | 1514.3 | 1709.5 | 1905.4 | 2100.6 | 2256.0 |
| -47.5° | 468.1 | 598.1 | 738.9 | 877.5 | 1035.3 | 1203.2 | 1381.0 | 1564.5 | 1745.6 | 1934.0 | 2112.9 |
| -50° | 415.4 | 535.6 | 664.1 | 792.1 | 929.0 | 1080.8 | 1243.5 | 1415.0 | 1586.8 | 1760.7 | 1933.1 |
| -52.5° | 367.6 | 467.4 | 585.9 | 706.5 | 827.4 | 957.2 | 1104.5 | 1260.9 | 1423.0 | 1587.1 | 1737.9 |
| -55° | 316.5 | 406.4 | 503.8 | 616.7 | 730.1 | 843.0 | 962.8 | 1104.3 | 1251.2 | 1403.4 | 1538.6 |
| -57.5° | 277.2 | 344.9 | 428.9 | 522.3 | 627.8 | 734.6 | 839.7 | 946.0 | 1077.2 | 1212.5 | 1326.2 |
| -60° | 244.7 | 293.5 | 357.8 | 436.8 | 520.7 | 619.5 | 718.2 | 817.0 | 918.4 | 1015.3 | 1120.4 |
| -62.5° | 214.8 | 254.6 | 299.9 | 355.0 | 428.0 | 504.2 | 591.9 | 682.8 | 775.7 | 859.3 | 936.5 |
| -65° | 202.0 | 221.1 | 255.1 | 296.2 | 338.1 | 403.2 | 473.4 | 545.0 | 625.6 | 699.6 | 769.2 |
| -67.5° | 188.4 | 206.0 | 223.7 | 245.4 | 282.9 | 321.5 | 360.2 | 423.5 | 486.7 | 543.9 | 600.7 |
| -70° | 177.5 | 191.1 | 206.7 | 222.5 | 238.7 | 260.9 | 295.5 | 331.3 | 367.0 | 406.5 | 454.5 |
| -72.5° | 166.8 | 179.0 | 191.5 | 203.8 | 218.2 | 233.5 | 249.4 | 265.6 | 290.4 | 320.7 | 348.2 |
| -75° | 156.6 | 166.6 | 177.9 | 189.2 | 200.7 | 212.2 | 225.1 | 240.1 | 254.9 | 269.7 | 283.5 |
| -77.5° | 146.6 | 155.9 | 165.2 | 174.8 | 184.7 | 195.1 | 206.3 | 218.1 | 230.3 | 242.4 | 253.2 |
| -80° | 136.2 | 145.0 | 153.0 | 161.1 | 170.0 | 178.9 | 188.3 | 198.0 | 208.7 | 219.8 | 229.6 |
| -82.5° | 125.0 | 132.3 | 139.6 | 146.8 | 155.0 | 163.1 | 171.2 | 179.3 | 188.1 | 197.1 | 205.1 |
| -85° | 114.3 | 119.4 | 125.7 | 132.0 | 139.3 | 146.5 | 153.4 | 160.3 | 168.0 | 175.6 | 181.9 |
| -87.5° | 106.8 | 111.9 | 116.8 | 121.7 | 127.5 | 133.4 | 139.0 | 144.6 | 151.0 | 157.4 | 162.2 |
| -90° | 5.0 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 3.9 | 3.3 | 3.3 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|----------|----------|----------|
| 90° | 153.6 | 156.9 | 160.2 | 161.9 | 163.5 | 166.8 | 170.0 | 175.0 | 179.9 | 185.4 | 190.9 |
| 87.5° | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 2.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 85° | 4.0 | 4.1 | 4.1 | 3.7 | 3.3 | 3.2 | 3.2 | 3.2 | 3.2 | 2.7 | 2.2 |
| 82.5° | 4.4 | 4.4 | 4.4 | 4.2 | 4.1 | 3.8 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 80° | 4.8 | 4.6 | 4.4 | 4.4 | 4.4 | 4.3 | 4.1 | 3.8 | 3.3 | 3.8 | 4.3 |
| 77.5° | 5.5 | 5.2 | 4.8 | 4.7 | 4.5 | 4.1 | 3.7 | 3.4 | 3.3 | 3.4 | 3.4 |
| 75° | 5.7 | 5.8 | 6.6 | 6.7 | 6.5 | 5.9 | 5.0 | 4.9 | 5.0 | 4.8 | 4.4 |
| 72.5° | 11.2 | 11.8 | 12.1 | 13.2 | 13.7 | 14.3 | 15.5 | 17.7 | 20.1 | 22.5 | 24.7 |
| 70° | 22.5 | 25.6 | 26.3 | 26.3 | 26.2 | 27.0 | 28.2 | 29.5 | 31.2 | 32.7 | 34.0 |
| 67.5° | 34.5 | 37.3 | 37.6 | 38.3 | 37.2 | 35.7 | 34.2 | 34.2 | 36.2 | 38.5 | 41.1 |
| 65° | 42.2 | 39.4 | 37.3 | 36.8 | 36.1 | 34.3 | 31.4 | 29.3 | 28.8 | 28.4 | 28.5 |
| 62.5° | 37.9 | 32.4 | 30.4 | 30.0 | 28.3 | 26.2 | 22.4 | 19.2 | 17.6 | 16.7 | 16.8 |
| 60° | 32.8 | 26.4 | 22.4 | 20.7 | 18.1 | 15.4 | 13.0 | 10.6 | 9.9 | 9.6 | 9.7 |
| 57.5° | 27.0 | 20.1 | 15.5 | 14.8 | 12.8 | 10.1 | 8.3 | 6.6 | 6.3 | 6.3 | 6.7 |
| 55° | 24.7 | 21.1 | 17.7 | 16.5 | 14.2 | 13.0 | 11.2 | 8.9 | 8.3 | 8.9 | 9.8 |
| 52.5° | 32.1 | 30.1 | 28.5 | 28.7 | 31.6 | 29.3 | 21.8 | 30.6 | 35.6 | 35.6 | 34.0 |
| 50° | 70.5 | 63.4 | 90.4 | 87.0 | 108.8 | 123.3 | 111.9 | 125.6 | 145.3 | 159.1 | 168.8 |
| 47.5° | 201.1 | 208.5 | 240.8 | 268.9 | 291.5 | 316.8 | 342.5 | 358.0 | 362.0 | 387.6 | 405.2 |
| 45° | 404.9 | 429.2 | 465.2 | 483.4 | 519.0 | 561.1 | 590.7 | 603.9 | 681.5 | 777.9 | 840.2 |
| 42.5° | 587.7 | 606.4 | 634.6 | 698.9 | 764.1 | 908.3 | 1073.8 | 1079.6 | 1229.1 | 1361.4 | 1496.9 |
| 40° | 715.4 | 750.7 | 851.5 | 1003.9 | 1355.8 | 1630.4 | 1825.7 | 2017.2 | 2049.1 | 1986.9 | 2020.9 |
| 37.5° | 880.9 | 1006.9 | 1262.2 | 1673.5 | 1978.0 | 2253.7 | 2364.7 | 2379.1 | 2417.8 | 2442.1 | 2403.5 |
| 35° | 1192.7 | 1612.7 | 1824.5 | 2174.1 | 2395.5 | 2449.3 | 2482.9 | 2516.0 | 2547.6 | 2569.3 | 2592.9 |
| 32.5° | 1875.6 | 2395.8 | 2423.8 | 2513.7 | 2555.0 | 2602.8 | 2638.3 | 2659.1 | 2673.5 | 2692.5 | 2756.8 |
| 30° | 2609.7 | 2730.9 | 2740.9 | 2733.8 | 2748.0 | 2780.1 | 2803.4 | 2841.3 | 2879.2 | 2922.6 | 3065.0 |
| 27.5° | 2952.5 | 3045.3 | 3016.4 | 2966.9 | 2942.3 | 2967.9 | 3031.3 | 3090.2 | 3200.1 | 3315.5 | 3519.9 |
| 25° | 3331.9 | 3393.5 | 3358.2 | 3270.3 | 3215.2 | 3251.5 | 3346.7 | 3459.2 | 3669.1 | 3854.1 | 4230.2 |
| 22.5° | 3738.3 | 3852.6 | 3815.7 | 3789.5 | 3673.4 | 3690.7 | 3765.9 | 4019.7 | 4544.8 | 5376.0 | 7102.2 |
| 20° | 4053.4 | 4193.1 | 4210.9 | 4211.5 | 4187.0 | 4194.2 | 4368.6 | 5187.1 | 6722.3 | 11546.5 | 15823.0 |
| 17.5° | 4287.1 | 4369.0 | 4467.4 | 4507.8 | 4555.6 | 4695.2 | 5625.9 | 8457.3 | 15087.0 | 23959.9 | 30754.2 |
| 15° | 4589.9 | 4694.8 | 4801.3 | 4868.8 | 4976.9 | 5744.6 | 8124.5 | 16820.5 | 28876.3 | 43935.8 | 63184.5 |
| 12.5° | 4832.3 | 4961.6 | 5046.2 | 5099.7 | 5348.9 | 7368.4 | 15648.8 | 28167.5 | 46977.5 | 70346.1 | 105012.4 |
| 10° | 4966.5 | 5067.2 | 5182.7 | 5367.9 | 6384.2 | 10688.1 | 22068.1 | 39582.5 | 68497.5 | 110590.3 | 156762.7 |
| 7.5° | 5033.2 | 5163.6 | 5356.7 | 5638.1 | 7556.3 | 15602.6 | 30700.9 | 55870.8 | 95364.5 | 147778.3 | 212112.6 |
| 5° | 5111.0 | 5352.0 | 5581.8 | 5904.1 | 8466.5 | 19151.1 | 37563.1 | 69762.8 | 118789.6 | 182907.7 | 262360.9 |
| 2.5° | 5236.6 | 5599.1 | 5747.2 | 6056.8 | 9014.9 | 21435.5 | 41655.2 | 80628.4 | 136281.7 | 211574.5 | 300779.6 |
| 0° | 5434.5 | 5736.2 | 5825.1 | 6136.6 | 9566.9 | 22565.3 | 44058.8 | 83607.9 | 144073.4 | 222738.2 | 315910.8 |
| -2.5° | 5658.3 | 5846.6 | 5945.1 | 6292.4 | 9844.1 | 23717.9 | 45950.0 | 85609.8 | 142217.8 | 219019.4 | 310226.2 |
| -5° | 5804.2 | 5953.8 | 6049.2 | 6388.6 | 9813.7 | 22565.3 | 43836.9 | 79723.8 | 131368.8 | 200061.5 | 281606.8 |
| -7.5° | 5903.6 | 6059.3 | 6159.1 | 6470.2 | 9233.6 | 19501.0 | 38718.8 | 68720.8 | 111640.8 | 167977.8 | 238412.4 |
| -10° | 6000.6 | 6170.7 | 6301.5 | 6547.3 | 8172.4 | 14887.0 | 30390.1 | 51844.9 | 87310.1 | 132134.8 | 184796.7 |
| -12.5° | 6088.2 | 6298.3 | 6466.7 | 6579.8 | 7175.6 | 11323.2 | 22333.0 | 39655.7 | 62845.0 | 96305.9 | 134842.4 |
| -15° | 6132.4 | 6383.8 | 6572.3 | 6697.0 | 7042.5 | 8953.4 | 14461.8 | 26240.8 | 43875.8 | 64630.9 | 89706.7 |
| -17.5° | 6056.1 | 6431.0 | 6612.4 | 6749.7 | 6863.3 | 7354.5 | 10201.2 | 16107.6 | 27122.1 | 40718.4 | 52967.8 |
| -20° | 5934.8 | 6436.2 | 6641.6 | 6826.5 | 6955.7 | 7089.4 | 7452.1 | 10257.9 | 14738.8 | 23080.1 | 31244.2 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| -22.5° | 5832.1 | 6298.4 | 6727.2 | 6926.9 | 7075.6 | 7085.3 | 7096.5 | 7434.3 | 9183.9 | 11994.2 | 16313.0 |
| -25° | 5760.9 | 6202.2 | 6701.1 | 7010.5 | 7113.4 | 7117.1 | 7061.0 | 6998.2 | 7196.6 | 7396.0 | 8974.0 |
| -27.5° | 5640.6 | 6119.2 | 6588.1 | 6965.5 | 7118.0 | 7112.8 | 7070.2 | 7028.3 | 6959.6 | 6914.7 | 7084.9 |
| -30° | 5493.4 | 5974.3 | 6410.9 | 6790.3 | 7016.4 | 7085.9 | 7056.8 | 7025.7 | 7004.4 | 6989.6 | 6959.0 |
| -32.5° | 4708.7 | 5796.3 | 6164.1 | 6508.4 | 6831.0 | 6972.4 | 7035.3 | 7020.7 | 7001.6 | 6993.4 | 6998.8 |
| -35° | 3846.2 | 4969.0 | 5924.0 | 6169.4 | 6449.4 | 6730.6 | 6929.1 | 6974.0 | 6993.9 | 6990.4 | 6999.1 |
| -37.5° | 2949.1 | 3960.7 | 4899.0 | 5683.2 | 6020.3 | 6312.7 | 6601.1 | 6792.1 | 6906.8 | 6926.6 | 6953.6 |
| -40° | 2541.7 | 2827.7 | 3716.5 | 4504.8 | 5160.6 | 5764.3 | 6069.7 | 6399.9 | 6657.5 | 6761.2 | 6815.7 |
| -42.5° | 2434.0 | 2547.6 | 2664.3 | 3242.4 | 3921.4 | 4497.0 | 5067.2 | 5633.9 | 6104.3 | 6370.4 | 6543.6 |
| -45° | 2387.0 | 2450.4 | 2517.8 | 2610.9 | 2694.2 | 3180.3 | 3703.8 | 4256.1 | 4874.3 | 5336.1 | 5766.3 |
| -47.5° | 2250.4 | 2378.0 | 2442.3 | 2481.9 | 2511.2 | 2575.3 | 2632.7 | 2788.3 | 3302.8 | 3707.4 | 4156.3 |
| -50° | 2069.6 | 2199.4 | 2304.5 | 2398.1 | 2430.0 | 2444.8 | 2462.0 | 2513.8 | 2596.0 | 2655.7 | 2746.1 |
| -52.5° | 1860.4 | 1982.1 | 2099.3 | 2199.4 | 2271.0 | 2332.6 | 2391.4 | 2432.2 | 2465.5 | 2500.1 | 2532.8 |
| -55° | 1660.4 | 1764.0 | 1864.4 | 1958.5 | 2043.8 | 2114.9 | 2184.9 | 2251.4 | 2313.9 | 2372.6 | 2427.4 |
| -57.5° | 1440.9 | 1544.5 | 1636.9 | 1721.2 | 1794.0 | 1853.3 | 1922.3 | 1995.7 | 2064.4 | 2125.3 | 2184.8 |
| -60° | 1219.5 | 1313.7 | 1402.1 | 1481.9 | 1548.5 | 1600.8 | 1667.9 | 1733.7 | 1796.5 | 1853.3 | 1903.2 |
| -62.5° | 1011.3 | 1091.7 | 1167.9 | 1238.3 | 1301.4 | 1357.6 | 1413.9 | 1470.2 | 1529.6 | 1582.8 | 1629.7 |
| -65° | 835.4 | 899.6 | 953.6 | 1003.9 | 1046.3 | 1097.1 | 1151.2 | 1201.7 | 1254.0 | 1303.3 | 1348.1 |
| -67.5° | 658.6 | 713.1 | 758.5 | 801.9 | 837.3 | 873.0 | 913.3 | 951.7 | 988.6 | 1026.8 | 1064.2 |
| -70° | 497.0 | 535.4 | 564.0 | 593.8 | 628.6 | 661.2 | 693.7 | 726.3 | 757.0 | 790.6 | 825.3 |
| -72.5° | 370.9 | 389.5 | 408.4 | 432.5 | 453.3 | 476.9 | 500.3 | 525.3 | 550.7 | 575.2 | 597.9 |
| -75° | 296.9 | 308.8 | 323.1 | 334.8 | 343.7 | 355.3 | 368.2 | 383.9 | 399.8 | 415.6 | 430.5 |
| -77.5° | 264.1 | 272.3 | 278.9 | 283.9 | 288.3 | 294.1 | 300.1 | 311.1 | 323.0 | 336.2 | 349.6 |
| -80° | 238.8 | 244.1 | 248.6 | 252.3 | 255.6 | 260.5 | 265.4 | 274.9 | 285.1 | 295.0 | 304.6 |
| -82.5° | 213.1 | 217.4 | 221.1 | 224.4 | 227.4 | 232.0 | 236.6 | 244.3 | 252.1 | 261.7 | 271.3 |
| -85° | 188.0 | 191.9 | 195.5 | 198.4 | 201.2 | 204.9 | 208.4 | 215.6 | 222.8 | 230.5 | 238.1 |
| -87.5° | 167.0 | 170.2 | 173.4 | 175.9 | 178.3 | 181.4 | 184.5 | 190.1 | 195.8 | 202.0 | 208.1 |
| -90° | 3.3 | 3.3 | 3.3 | 2.8 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 1.1 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| 90° | 191.5 | 192.0 | 192.0 | 192.0 | 192.0 | 192.0 | 191.5 | 190.9 | 185.4 | 179.9 | 175.0 |
| 87.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 85° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.7 | 3.2 | 3.2 |
| 82.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 80° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.3 | 3.8 | 3.3 | 3.8 |
| 77.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.3 | 3.4 |
| 75° | 3.9 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.9 | 4.4 | 4.8 | 5.0 | 4.9 |
| 72.5° | 26.8 | 28.8 | 29.9 | 30.7 | 29.9 | 28.8 | 26.8 | 24.7 | 22.5 | 20.1 | 17.7 |
| 70° | 34.6 | 34.9 | 35.1 | 35.1 | 35.1 | 34.9 | 34.6 | 34.0 | 32.7 | 31.2 | 29.5 |
| 67.5° | 42.6 | 43.5 | 43.8 | 43.9 | 43.8 | 43.5 | 42.6 | 41.1 | 38.5 | 36.2 | 34.2 |
| 65° | 27.1 | 25.1 | 23.3 | 21.9 | 23.3 | 25.1 | 27.1 | 28.5 | 28.4 | 28.8 | 29.3 |
| 62.5° | 16.4 | 15.8 | 15.5 | 15.4 | 15.5 | 15.8 | 16.4 | 16.8 | 16.7 | 17.6 | 19.2 |
| 60° | 9.8 | 10.0 | 9.5 | 8.8 | 9.5 | 10.0 | 9.8 | 9.7 | 9.6 | 9.9 | 10.6 |
| 57.5° | 7.1 | 7.6 | 8.2 | 8.8 | 8.2 | 7.6 | 7.1 | 6.7 | 6.3 | 6.3 | 6.6 |
| 55° | 10.6 | 11.6 | 12.5 | 13.2 | 12.5 | 11.6 | 10.6 | 9.8 | 8.9 | 8.3 | 8.9 |
| 52.5° | 30.6 | 27.5 | 26.5 | 27.4 | 26.5 | 27.5 | 30.6 | 34.0 | 35.6 | 35.6 | 30.6 |
| 50° | 173.6 | 177.2 | 181.5 | 186.5 | 181.5 | 177.2 | 173.6 | 168.8 | 159.1 | 145.3 | 125.6 |
| 47.5° | 410.2 | 402.4 | 395.1 | 392.7 | 395.1 | 402.4 | 410.2 | 405.2 | 387.6 | 362.0 | 358.0 |
| 45° | 777.6 | 720.4 | 691.3 | 708.7 | 691.3 | 720.4 | 777.6 | 840.2 | 777.9 | 681.5 | 603.9 |
| 42.5° | 1569.5 | 1654.2 | 1720.5 | 1751.9 | 1720.5 | 1654.2 | 1569.5 | 1496.9 | 1361.4 | 1229.1 | 1079.6 |
| 40° | 1967.7 | 1935.9 | 1953.0 | 1979.0 | 1953.0 | 1935.9 | 1967.7 | 2020.9 | 1986.9 | 2049.1 | 2017.2 |
| 37.5° | 2422.4 | 2432.9 | 2356.4 | 2231.3 | 2356.4 | 2432.9 | 2422.4 | 2403.5 | 2442.1 | 2417.8 | 2379.1 |
| 35° | 2642.9 | 2779.2 | 3034.5 | 3095.7 | 3034.5 | 2779.2 | 2642.9 | 2592.9 | 2569.3 | 2547.6 | 2516.0 |
| 32.5° | 2918.9 | 3060.4 | 3103.9 | 3121.0 | 3103.9 | 3060.4 | 2918.9 | 2756.8 | 2692.5 | 2673.5 | 2659.1 |
| 30° | 3248.9 | 3312.7 | 3296.7 | 3320.6 | 3296.7 | 3312.7 | 3248.9 | 3065.0 | 2922.6 | 2879.2 | 2841.3 |
| 27.5° | 3610.2 | 3647.7 | 3635.4 | 3667.3 | 3635.4 | 3647.7 | 3610.2 | 3519.9 | 3315.5 | 3200.1 | 3090.2 |
| 25° | 4543.3 | 4838.0 | 4822.6 | 4891.5 | 4822.6 | 4838.0 | 4543.3 | 4230.2 | 3854.1 | 3669.1 | 3459.2 |
| 22.5° | 9203.5 | 10245.5 | 10869.5 | 11473.5 | 10869.5 | 10245.5 | 9203.5 | 7102.2 | 5376.0 | 4544.8 | 4019.7 |
| 20° | 20563.9 | 23567.0 | 24220.8 | 23982.6 | 24220.8 | 23567.0 | 20563.9 | 15823.0 | 11546.5 | 6722.3 | 5187.1 |
| 17.5° | 44141.1 | 56123.4 | 62557.2 | 63272.8 | 62557.2 | 56123.4 | 44141.1 | 30754.2 | 23959.9 | 15087.0 | 8457.3 |
| 15° | 83070.8 | 104013.1 | 115903.7 | 117153.0 | 115903.7 | 104013.1 | 83070.8 | 63184.5 | 43935.8 | 28876.3 | 16820.5 |
| 12.5° | 135800.7 | 169151.5 | 193634.8 | 196366.4 | 193634.8 | 169151.5 | 135800.7 | 105012.4 | 70346.1 | 46977.5 | 28167.5 |
| 10° | 208028.5 | 253118.5 | 288774.2 | 297460.4 | 288774.2 | 253118.5 | 208028.5 | 156762.7 | 110590.3 | 68497.5 | 39582.5 |
| 7.5° | 280119.0 | 331576.1 | 373540.3 | 383413.7 | 373540.3 | 331576.1 | 280119.0 | 212112.6 | 147778.3 | 95364.5 | 55870.8 |
| 5° | 336474.6 | 402312.7 | 435800.9 | 446865.3 | 435800.9 | 402312.7 | 336474.6 | 262360.9 | 182907.7 | 118789.6 | 69762.8 |
| 2.5° | 379431.5 | 441598.5 | 480912.6 | 497042.6 | 480912.6 | 441598.5 | 379431.5 | 300779.6 | 211574.5 | 136281.7 | 80628.4 |
| 0° | 396013.8 | 456315.9 | 506380.3 | 537512.6 | 506380.3 | 456315.9 | 396013.8 | 315910.8 | 222738.2 | 144073.4 | 83607.9 |
| -2.5° | 389513.8 | 447574.3 | 490123.0 | 510317.9 | 490123.0 | 447574.3 | 389513.8 | 310226.2 | 219019.4 | 142217.8 | 85609.8 |
| -5° | 356654.2 | 415247.8 | 448145.3 | 458565.9 | 448145.3 | 415247.8 | 356654.2 | 281606.8 | 200061.5 | 131368.8 | 79723.8 |
| -7.5° | 301588.8 | 353164.1 | 392171.8 | 399163.9 | 392171.8 | 353164.1 | 301588.8 | 238412.4 | 167977.8 | 111640.8 | 68720.8 |
| -10° | 239027.4 | 283674.9 | 313432.5 | 319061.4 | 313432.5 | 283674.9 | 239027.4 | 184796.7 | 132134.8 | 87310.1 | 51844.9 |
| -12.5° | 169434.8 | 208652.9 | 232180.2 | 236521.5 | 232180.2 | 208652.9 | 169434.8 | 134842.4 | 96305.9 | 62845.0 | 39655.7 |
| -15° | 115139.4 | 139567.6 | 153827.3 | 155267.2 | 153827.3 | 139567.6 | 115139.4 | 89706.7 | 64630.9 | 43875.8 | 26240.8 |
| -17.5° | 72042.8 | 86573.3 | 95460.9 | 95543.2 | 95460.9 | 86573.3 | 72042.8 | 52967.8 | 40718.4 | 27122.1 | 16107.6 |
| -20° | 41708.5 | 48642.4 | 53614.8 | 53593.9 | 53614.8 | 48642.4 | 41708.5 | 31244.2 | 23080.1 | 14738.8 | 10257.9 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| -22.5° | 21730.7 | 25851.8 | 28850.0 | 28712.9 | 28850.0 | 25851.8 | 21730.7 | 16313.0 | 11994.2 | 9183.9 | 7434.3 |
| -25° | 10670.8 | 12248.5 | 13298.7 | 13216.7 | 13298.7 | 12248.5 | 10670.8 | 8974.0 | 7396.0 | 7196.6 | 6998.2 |
| -27.5° | 7231.5 | 7405.1 | 7525.1 | 7537.5 | 7525.1 | 7405.1 | 7231.5 | 7084.9 | 6914.7 | 6959.6 | 7028.3 |
| -30° | 6947.2 | 6986.9 | 7028.7 | 7039.5 | 7028.7 | 6986.9 | 6947.2 | 6959.0 | 6989.6 | 7004.4 | 7025.7 |
| -32.5° | 7015.9 | 7046.9 | 7092.7 | 7121.7 | 7092.7 | 7046.9 | 7015.9 | 6998.8 | 6993.4 | 7001.6 | 7020.7 |
| -35° | 7020.9 | 7056.8 | 7110.0 | 7133.8 | 7110.0 | 7056.8 | 7020.9 | 6999.1 | 6990.4 | 6993.9 | 6974.0 |
| -37.5° | 6988.2 | 7032.2 | 7077.8 | 7098.7 | 7077.8 | 7032.2 | 6988.2 | 6953.6 | 6926.6 | 6906.8 | 6792.1 |
| -40° | 6864.2 | 6909.1 | 6942.4 | 6945.1 | 6942.4 | 6909.1 | 6864.2 | 6815.7 | 6761.2 | 6657.5 | 6399.9 |
| -42.5° | 6658.9 | 6714.5 | 6740.2 | 6735.6 | 6740.2 | 6714.5 | 6658.9 | 6543.6 | 6370.4 | 6104.3 | 5633.9 |
| -45° | 6174.2 | 6371.4 | 6468.3 | 6492.0 | 6468.3 | 6371.4 | 6174.2 | 5766.3 | 5336.1 | 4874.3 | 4256.1 |
| -47.5° | 4676.5 | 4965.7 | 5151.1 | 5225.0 | 5151.1 | 4965.7 | 4676.5 | 4156.3 | 3707.4 | 3302.8 | 2788.3 |
| -50° | 2864.3 | 2891.2 | 2908.9 | 2918.0 | 2908.9 | 2891.2 | 2864.3 | 2746.1 | 2655.7 | 2596.0 | 2513.8 |
| -52.5° | 2560.0 | 2567.7 | 2571.9 | 2572.5 | 2571.9 | 2567.7 | 2560.0 | 2532.8 | 2500.1 | 2465.5 | 2432.2 |
| -55° | 2467.0 | 2482.4 | 2492.1 | 2494.6 | 2492.1 | 2482.4 | 2467.0 | 2427.4 | 2372.6 | 2313.9 | 2251.4 |
| -57.5° | 2224.0 | 2232.9 | 2242.8 | 2248.9 | 2242.8 | 2232.9 | 2224.0 | 2184.8 | 2125.3 | 2064.4 | 1995.7 |
| -60° | 1933.1 | 1941.2 | 1942.8 | 1937.3 | 1942.8 | 1941.2 | 1933.1 | 1903.2 | 1853.3 | 1796.5 | 1733.7 |
| -62.5° | 1655.2 | 1662.7 | 1670.2 | 1672.9 | 1670.2 | 1662.7 | 1655.2 | 1629.7 | 1582.8 | 1529.6 | 1470.2 |
| -65° | 1369.0 | 1372.7 | 1374.5 | 1371.3 | 1374.5 | 1372.7 | 1369.0 | 1348.1 | 1303.3 | 1254.0 | 1201.7 |
| -67.5° | 1081.8 | 1089.2 | 1099.8 | 1106.9 | 1099.8 | 1089.2 | 1081.8 | 1064.2 | 1026.8 | 988.6 | 951.7 |
| -70° | 833.3 | 830.0 | 837.1 | 842.5 | 837.1 | 830.0 | 833.3 | 825.3 | 790.6 | 757.0 | 726.3 |
| -72.5° | 600.9 | 597.3 | 594.8 | 590.2 | 594.8 | 597.3 | 600.9 | 597.9 | 575.2 | 550.7 | 525.3 |
| -75° | 429.7 | 425.3 | 424.6 | 423.4 | 424.6 | 425.3 | 429.7 | 430.5 | 415.6 | 399.8 | 383.9 |
| -77.5° | 349.8 | 348.1 | 346.0 | 343.4 | 346.0 | 348.1 | 349.8 | 349.6 | 336.2 | 323.0 | 311.1 |
| -80° | 305.5 | 305.6 | 304.3 | 302.8 | 304.3 | 305.6 | 305.5 | 304.6 | 295.0 | 285.1 | 274.9 |
| -82.5° | 271.8 | 271.7 | 270.9 | 269.9 | 270.9 | 271.7 | 271.8 | 271.3 | 261.7 | 252.1 | 244.3 |
| -85° | 238.6 | 238.9 | 238.0 | 237.0 | 238.0 | 238.9 | 238.6 | 238.1 | 230.5 | 222.8 | 215.6 |
| -87.5° | 208.8 | 209.4 | 208.9 | 208.4 | 208.9 | 209.4 | 208.8 | 208.1 | 202.0 | 195.8 | 190.1 |
| -90° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.7 | 2.2 | 2.2 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 170.0 | 166.8 | 163.5 | 161.9 | 160.2 | 156.9 | 153.6 | 149.2 | 144.8 | 139.3 | 133.8 |
| 87.5° | 2.2 | 2.7 | 3.2 | 3.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.9 | 4.4 |
| 85° | 3.2 | 3.2 | 3.3 | 3.7 | 4.1 | 4.1 | 4.0 | 3.9 | 3.9 | 4.1 | 4.4 |
| 82.5° | 3.3 | 3.8 | 4.1 | 4.2 | 4.4 | 4.4 | 4.4 | 4.6 | 4.7 | 4.6 | 4.6 |
| 80° | 4.1 | 4.3 | 4.4 | 4.4 | 4.4 | 4.6 | 4.8 | 5.1 | 5.5 | 5.4 | 5.3 |
| 77.5° | 3.7 | 4.1 | 4.5 | 4.7 | 4.8 | 5.2 | 5.5 | 5.5 | 5.6 | 6.0 | 6.1 |
| 75° | 5.0 | 5.9 | 6.5 | 6.7 | 6.6 | 5.8 | 5.7 | 6.1 | 6.2 | 6.4 | 6.6 |
| 72.5° | 15.5 | 14.3 | 13.7 | 13.2 | 12.1 | 11.8 | 11.2 | 10.4 | 9.2 | 7.7 | 6.6 |
| 70° | 28.2 | 27.0 | 26.2 | 26.3 | 26.3 | 25.6 | 22.5 | 18.8 | 16.0 | 13.9 | 11.2 |
| 67.5° | 34.2 | 35.7 | 37.2 | 38.3 | 37.6 | 37.3 | 34.5 | 30.6 | 29.3 | 26.8 | 19.4 |
| 65° | 31.4 | 34.3 | 36.1 | 36.8 | 37.3 | 39.4 | 42.2 | 41.3 | 43.0 | 41.3 | 32.2 |
| 62.5° | 22.4 | 26.2 | 28.3 | 30.0 | 30.4 | 32.4 | 37.9 | 43.7 | 52.4 | 54.8 | 44.5 |
| 60° | 13.0 | 15.4 | 18.1 | 20.7 | 22.4 | 26.4 | 32.8 | 42.4 | 54.7 | 53.9 | 49.5 |
| 57.5° | 8.3 | 10.1 | 12.8 | 14.8 | 15.5 | 20.1 | 27.0 | 39.0 | 51.3 | 50.9 | 44.7 |
| 55° | 11.2 | 13.0 | 14.2 | 16.5 | 17.7 | 21.1 | 24.7 | 34.6 | 46.3 | 50.1 | 48.0 |
| 52.5° | 21.8 | 29.3 | 31.6 | 28.7 | 28.5 | 30.1 | 32.1 | 40.0 | 47.0 | 52.7 | 54.7 |
| 50° | 111.9 | 123.3 | 108.8 | 87.0 | 90.4 | 63.4 | 70.5 | 68.8 | 65.8 | 68.8 | 66.8 |
| 47.5° | 342.5 | 316.8 | 291.5 | 268.9 | 240.8 | 208.5 | 201.1 | 155.4 | 151.0 | 112.3 | 111.9 |
| 45° | 590.7 | 561.1 | 519.0 | 483.4 | 465.2 | 429.2 | 404.9 | 370.1 | 301.0 | 268.7 | 186.7 |
| 42.5° | 1073.8 | 908.3 | 764.1 | 698.9 | 634.6 | 606.4 | 587.7 | 564.9 | 528.0 | 462.8 | 387.0 |
| 40° | 1825.7 | 1630.4 | 1355.8 | 1003.9 | 851.5 | 750.7 | 715.4 | 707.7 | 689.1 | 654.0 | 573.9 |
| 37.5° | 2364.7 | 2253.7 | 1978.0 | 1673.5 | 1262.2 | 1006.9 | 880.9 | 812.4 | 808.1 | 789.6 | 736.4 |
| 35° | 2482.9 | 2449.3 | 2395.5 | 2174.1 | 1824.5 | 1612.7 | 1192.7 | 987.2 | 904.9 | 890.1 | 872.3 |
| 32.5° | 2638.3 | 2602.8 | 2555.0 | 2513.7 | 2423.8 | 2395.8 | 1875.6 | 1303.8 | 1035.6 | 981.3 | 952.8 |
| 30° | 2803.4 | 2780.1 | 2748.0 | 2733.8 | 2740.9 | 2730.9 | 2609.7 | 1882.8 | 1326.0 | 1069.6 | 1037.1 |
| 27.5° | 3031.3 | 2967.9 | 2942.3 | 2966.9 | 3016.4 | 3045.3 | 2952.5 | 2593.3 | 1736.0 | 1311.0 | 1121.7 |
| 25° | 3346.7 | 3251.5 | 3215.2 | 3270.3 | 3358.2 | 3393.5 | 3331.9 | 3096.0 | 2501.4 | 1633.4 | 1209.9 |
| 22.5° | 3765.9 | 3690.7 | 3673.4 | 3789.5 | 3815.7 | 3852.6 | 3738.3 | 3596.7 | 3276.9 | 2120.2 | 1478.9 |
| 20° | 4368.6 | 4194.2 | 4187.0 | 4211.5 | 4210.9 | 4193.1 | 4053.4 | 3925.7 | 3575.4 | 2746.4 | 1780.4 |
| 17.5° | 5625.9 | 4695.2 | 4555.6 | 4507.8 | 4467.4 | 4369.0 | 4287.1 | 4090.2 | 3836.8 | 3275.0 | 2072.9 |
| 15° | 8124.5 | 5744.6 | 4976.9 | 4868.8 | 4801.3 | 4694.8 | 4589.9 | 4362.7 | 4124.0 | 3602.5 | 2491.9 |
| 12.5° | 15648.8 | 7368.4 | 5348.9 | 5099.7 | 5046.2 | 4961.6 | 4832.3 | 4721.9 | 4406.0 | 3898.4 | 2925.0 |
| 10° | 22068.1 | 10688.1 | 6384.2 | 5367.9 | 5182.7 | 5067.2 | 4966.5 | 4854.7 | 4589.9 | 4165.7 | 3348.5 |
| 7.5° | 30700.9 | 15602.6 | 7556.3 | 5638.1 | 5356.7 | 5163.6 | 5033.2 | 4922.0 | 4706.7 | 4279.4 | 3629.4 |
| 5° | 37563.1 | 19151.1 | 8466.5 | 5904.1 | 5581.8 | 5352.0 | 5111.0 | 4992.3 | 4778.8 | 4322.7 | 3814.7 |
| 2.5° | 41655.2 | 21435.5 | 9014.9 | 6056.8 | 5747.2 | 5599.1 | 5236.6 | 5061.4 | 4806.4 | 4352.1 | 3932.1 |
| 0° | 44058.8 | 22565.3 | 9566.9 | 6136.6 | 5825.1 | 5736.2 | 5434.5 | 5126.3 | 4796.1 | 4361.7 | 3988.7 |
| -2.5° | 45950.0 | 23717.9 | 9844.1 | 6292.4 | 5945.1 | 5846.6 | 5658.3 | 5377.0 | 4851.5 | 4373.7 | 4022.0 |
| -5° | 43836.9 | 22565.3 | 9813.7 | 6388.6 | 6049.2 | 5953.8 | 5804.2 | 5540.9 | 4935.7 | 4400.1 | 3997.7 |
| -7.5° | 38718.8 | 19501.0 | 9233.6 | 6470.2 | 6159.1 | 6059.3 | 5903.6 | 5643.7 | 5108.9 | 4535.3 | 3941.5 |
| -10° | 30390.1 | 14887.0 | 8172.4 | 6547.3 | 6301.5 | 6170.7 | 6000.6 | 5673.5 | 5181.3 | 4642.0 | 3823.3 |
| -12.5° | 22333.0 | 11323.2 | 7175.6 | 6579.8 | 6466.7 | 6298.3 | 6088.2 | 5662.7 | 5226.1 | 4785.5 | 3745.0 |
| -15° | 14461.8 | 8953.4 | 7042.5 | 6697.0 | 6572.3 | 6383.8 | 6132.4 | 5633.5 | 5236.1 | 4873.0 | 3560.3 |
| -17.5° | 10201.2 | 7354.5 | 6863.3 | 6749.7 | 6612.4 | 6431.0 | 6056.1 | 5599.1 | 5191.8 | 4623.1 | 3180.1 |
| -20° | 7452.1 | 7089.4 | 6955.7 | 6826.5 | 6641.6 | 6436.2 | 5934.8 | 5534.2 | 5074.4 | 4108.7 | 2847.3 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 7096.5 | 7085.3 | 7075.6 | 6926.9 | 6727.2 | 6298.4 | 5832.1 | 5428.9 | 4900.3 | 3600.6 | 2523.6 |
| -25° | 7061.0 | 7117.1 | 7113.4 | 7010.5 | 6701.1 | 6202.2 | 5760.9 | 5247.5 | 4324.2 | 3158.7 | 2222.9 |
| -27.5° | 7070.2 | 7112.8 | 7118.0 | 6965.5 | 6588.1 | 6119.2 | 5640.6 | 4958.7 | 3615.5 | 2688.0 | 2213.0 |
| -30° | 7056.8 | 7085.9 | 7016.4 | 6790.3 | 6410.9 | 5974.3 | 5493.4 | 4205.2 | 3059.6 | 2329.2 | 2184.0 |
| -32.5° | 7035.3 | 6972.4 | 6831.0 | 6508.4 | 6164.1 | 5796.3 | 4708.7 | 3461.8 | 2538.3 | 2288.2 | 2160.8 |
| -35° | 6929.1 | 6730.6 | 6449.4 | 6169.4 | 5924.0 | 4969.0 | 3846.2 | 2805.5 | 2384.0 | 2243.4 | 2136.5 |
| -37.5° | 6601.1 | 6312.7 | 6020.3 | 5683.2 | 4899.0 | 3960.7 | 2949.1 | 2487.6 | 2317.1 | 2215.2 | 2068.8 |
| -40° | 6069.7 | 5764.3 | 5160.6 | 4504.8 | 3716.5 | 2827.7 | 2541.7 | 2388.9 | 2287.3 | 2153.0 | 1973.2 |
| -42.5° | 5067.2 | 4497.0 | 3921.4 | 3242.4 | 2664.3 | 2547.6 | 2434.0 | 2347.1 | 2221.1 | 2044.1 | 1846.8 |
| -45° | 3703.8 | 3180.3 | 2694.2 | 2610.9 | 2517.8 | 2450.4 | 2387.0 | 2256.0 | 2100.6 | 1905.4 | 1709.5 |
| -47.5° | 2632.7 | 2575.3 | 2511.2 | 2481.9 | 2442.3 | 2378.0 | 2250.4 | 2112.9 | 1934.0 | 1745.6 | 1564.5 |
| -50° | 2462.0 | 2444.8 | 2430.0 | 2398.1 | 2304.5 | 2199.4 | 2069.6 | 1933.1 | 1760.7 | 1586.8 | 1415.0 |
| -52.5° | 2391.4 | 2332.6 | 2271.0 | 2199.4 | 2099.3 | 1982.1 | 1860.4 | 1737.9 | 1587.1 | 1423.0 | 1260.9 |
| -55° | 2184.9 | 2114.9 | 2043.8 | 1958.5 | 1864.4 | 1764.0 | 1660.4 | 1538.6 | 1403.4 | 1251.2 | 1104.3 |
| -57.5° | 1922.3 | 1853.3 | 1794.0 | 1721.2 | 1636.9 | 1544.5 | 1440.9 | 1326.2 | 1212.5 | 1077.2 | 946.0 |
| -60° | 1667.9 | 1600.8 | 1548.5 | 1481.9 | 1402.1 | 1313.7 | 1219.5 | 1120.4 | 1015.3 | 918.4 | 817.0 |
| -62.5° | 1413.9 | 1357.6 | 1301.4 | 1238.3 | 1167.9 | 1091.7 | 1011.3 | 936.5 | 859.3 | 775.7 | 682.8 |
| -65° | 1151.2 | 1097.1 | 1046.3 | 1003.9 | 953.6 | 899.6 | 835.4 | 769.2 | 699.6 | 625.6 | 545.0 |
| -67.5° | 913.3 | 873.0 | 837.3 | 801.9 | 758.5 | 713.1 | 658.6 | 600.7 | 543.9 | 486.7 | 423.5 |
| -70° | 693.7 | 661.2 | 628.6 | 593.8 | 564.0 | 535.4 | 497.0 | 454.5 | 406.5 | 367.0 | 331.3 |
| -72.5° | 500.3 | 476.9 | 453.3 | 432.5 | 408.4 | 389.5 | 370.9 | 348.2 | 320.7 | 290.4 | 265.6 |
| -75° | 368.2 | 355.3 | 343.7 | 334.8 | 323.1 | 308.8 | 296.9 | 283.5 | 269.7 | 254.9 | 240.1 |
| -77.5° | 300.1 | 294.1 | 288.3 | 283.9 | 278.9 | 272.3 | 264.1 | 253.2 | 242.4 | 230.3 | 218.1 |
| -80° | 265.4 | 260.5 | 255.6 | 252.3 | 248.6 | 244.1 | 238.8 | 229.6 | 219.8 | 208.7 | 198.0 |
| -82.5° | 236.6 | 232.0 | 227.4 | 224.4 | 221.1 | 217.4 | 213.1 | 205.1 | 197.1 | 188.1 | 179.3 |
| -85° | 208.4 | 204.9 | 201.2 | 198.4 | 195.5 | 191.9 | 188.0 | 181.9 | 175.6 | 168.0 | 160.3 |
| -87.5° | 184.5 | 181.4 | 178.3 | 175.9 | 173.4 | 170.2 | 167.0 | 162.2 | 157.4 | 151.0 | 144.6 |
| -90° | 2.2 | 2.2 | 2.2 | 2.8 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.9 | 4.4 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 90° | 128.4 | 122.9 | 118.0 | 113.0 | 108.6 | 104.2 | 99.3 | 94.3 | 87.8 | 81.2 | 73.0 |
| 87.5° | 4.4 | 4.4 | 4.7 | 5.0 | 5.0 | 5.0 | 5.2 | 5.5 | 5.5 | 5.5 | 5.7 |
| 85° | 4.6 | 4.7 | 5.1 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.8 |
| 82.5° | 5.0 | 5.4 | 5.4 | 5.5 | 5.9 | 6.0 | 5.9 | 5.8 | 5.7 | 5.6 | 6.0 |
| 80° | 5.4 | 5.6 | 5.8 | 5.9 | 6.2 | 6.6 | 6.4 | 6.3 | 6.4 | 6.3 | 6.4 |
| 77.5° | 5.9 | 5.8 | 6.2 | 6.5 | 6.5 | 6.7 | 6.8 | 6.8 | 7.1 | 7.1 | 6.9 |
| 75° | 6.6 | 6.5 | 6.5 | 6.7 | 6.7 | 6.8 | 7.1 | 7.3 | 7.6 | 7.7 | 7.4 |
| 72.5° | 6.6 | 6.7 | 6.8 | 6.9 | 7.2 | 7.4 | 7.6 | 7.8 | 8.1 | 8.2 | 7.8 |
| 70° | 8.7 | 7.4 | 7.3 | 7.5 | 7.8 | 8.0 | 8.2 | 8.4 | 8.5 | 8.6 | 8.4 |
| 67.5° | 12.2 | 10.2 | 9.0 | 8.4 | 8.4 | 8.8 | 8.8 | 9.1 | 9.3 | 9.1 | 8.9 |
| 65° | 23.7 | 16.4 | 10.9 | 10.3 | 9.6 | 9.7 | 9.8 | 10.1 | 10.2 | 10.3 | 9.5 |
| 62.5° | 34.7 | 25.6 | 18.8 | 13.8 | 11.9 | 12.2 | 11.1 | 11.9 | 11.3 | 11.5 | 10.7 |
| 60° | 45.4 | 35.2 | 27.5 | 21.8 | 17.6 | 15.9 | 15.1 | 13.8 | 13.6 | 13.0 | 12.3 |
| 57.5° | 44.6 | 43.1 | 38.8 | 31.2 | 26.8 | 22.7 | 20.4 | 18.4 | 16.4 | 15.6 | 14.0 |
| 55° | 43.9 | 43.9 | 48.6 | 43.8 | 38.5 | 32.2 | 28.3 | 24.7 | 20.3 | 18.8 | 16.0 |
| 52.5° | 51.2 | 52.2 | 56.1 | 58.7 | 54.7 | 44.9 | 40.8 | 31.5 | 28.0 | 22.3 | 19.4 |
| 50° | 63.5 | 69.1 | 69.9 | 76.1 | 72.9 | 66.4 | 54.6 | 45.1 | 36.3 | 27.3 | 23.1 |
| 47.5° | 96.2 | 101.5 | 96.2 | 101.2 | 96.5 | 91.2 | 76.9 | 61.2 | 45.4 | 35.7 | 27.0 |
| 45° | 184.6 | 154.0 | 149.1 | 140.6 | 129.5 | 123.2 | 104.0 | 78.9 | 61.6 | 45.0 | 31.0 |
| 42.5° | 307.9 | 264.6 | 239.9 | 188.2 | 182.7 | 160.8 | 135.7 | 107.3 | 79.0 | 54.9 | 37.9 |
| 40° | 481.0 | 416.5 | 358.7 | 299.9 | 248.9 | 203.2 | 176.4 | 139.6 | 97.7 | 67.7 | 46.9 |
| 37.5° | 648.9 | 572.4 | 505.9 | 418.6 | 333.3 | 272.4 | 221.1 | 174.1 | 121.8 | 85.9 | 56.3 |
| 35° | 788.7 | 717.3 | 628.0 | 534.5 | 444.8 | 343.0 | 268.9 | 212.8 | 154.0 | 104.9 | 65.9 |
| 32.5° | 903.5 | 831.2 | 728.9 | 634.2 | 533.7 | 413.5 | 327.2 | 253.8 | 186.8 | 124.8 | 75.9 |
| 30° | 989.2 | 920.3 | 823.1 | 712.6 | 605.8 | 486.9 | 385.6 | 292.9 | 219.9 | 145.5 | 87.4 |
| 27.5° | 1078.0 | 1011.8 | 914.4 | 792.2 | 668.1 | 550.0 | 433.6 | 329.9 | 253.3 | 166.7 | 102.7 |
| 25° | 1166.8 | 1098.9 | 1008.7 | 880.2 | 730.5 | 599.6 | 477.2 | 365.0 | 284.9 | 188.9 | 117.1 |
| 22.5° | 1244.4 | 1179.2 | 1102.5 | 973.2 | 801.0 | 647.6 | 518.1 | 403.1 | 306.3 | 209.4 | 130.6 |
| 20° | 1315.7 | 1247.3 | 1190.5 | 1052.0 | 877.6 | 705.2 | 558.0 | 432.8 | 326.1 | 228.1 | 143.3 |
| 17.5° | 1417.7 | 1308.0 | 1236.4 | 1112.5 | 949.8 | 764.3 | 599.4 | 460.8 | 344.4 | 245.0 | 155.0 |
| 15° | 1650.9 | 1367.5 | 1281.6 | 1165.9 | 1008.7 | 820.0 | 640.8 | 487.7 | 360.9 | 260.1 | 165.4 |
| 12.5° | 1864.2 | 1424.0 | 1328.9 | 1211.5 | 1052.9 | 868.8 | 681.4 | 513.2 | 375.7 | 274.3 | 174.2 |
| 10° | 2079.7 | 1478.7 | 1375.2 | 1255.7 | 1090.8 | 911.0 | 720.4 | 539.5 | 394.1 | 287.9 | 182.0 |
| 7.5° | 2316.0 | 1532.4 | 1418.5 | 1298.0 | 1123.5 | 945.4 | 754.5 | 569.5 | 411.9 | 300.1 | 188.8 |
| 5° | 2530.6 | 1581.9 | 1463.4 | 1345.2 | 1156.7 | 972.6 | 783.6 | 596.9 | 428.3 | 310.8 | 194.5 |
| 2.5° | 2681.0 | 1623.7 | 1507.6 | 1389.5 | 1185.3 | 994.5 | 808.1 | 621.5 | 442.8 | 319.8 | 199.3 |
| 0° | 2793.0 | 1660.9 | 1547.9 | 1428.3 | 1208.9 | 1011.4 | 828.2 | 642.8 | 455.3 | 326.9 | 202.9 |
| -2.5° | 2788.3 | 1692.0 | 1581.0 | 1465.8 | 1252.7 | 1036.2 | 841.2 | 654.0 | 468.4 | 336.9 | 210.3 |
| -5° | 2740.7 | 1719.4 | 1610.8 | 1497.5 | 1289.5 | 1055.5 | 850.0 | 661.5 | 479.1 | 344.8 | 216.5 |
| -7.5° | 2681.7 | 1750.0 | 1639.1 | 1523.0 | 1317.8 | 1068.5 | 854.4 | 665.5 | 487.2 | 350.5 | 221.3 |
| -10° | 2584.6 | 1780.3 | 1665.2 | 1535.3 | 1323.5 | 1076.2 | 855.8 | 666.2 | 492.6 | 353.9 | 224.6 |
| -12.5° | 2464.6 | 1807.9 | 1687.5 | 1540.3 | 1320.5 | 1079.9 | 861.5 | 665.4 | 494.8 | 355.0 | 226.3 |
| -15° | 2305.0 | 1844.8 | 1714.7 | 1538.8 | 1311.7 | 1078.5 | 861.0 | 660.8 | 490.8 | 352.4 | 226.3 |
| -17.5° | 2079.9 | 1872.5 | 1740.7 | 1533.6 | 1298.2 | 1072.3 | 853.7 | 651.0 | 483.9 | 345.9 | 224.0 |
| -20° | 2053.0 | 1898.1 | 1755.1 | 1516.9 | 1279.2 | 1058.8 | 839.4 | 635.8 | 474.1 | 337.2 | 219.8 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| -22.5° | 2071.7 | 1927.1 | 1748.2 | 1489.1 | 1256.0 | 1039.1 | 818.8 | 615.5 | 461.3 | 326.3 | 214.1 |
| -25° | 2075.6 | 1954.8 | 1738.1 | 1474.0 | 1229.1 | 1011.6 | 794.8 | 595.6 | 445.4 | 313.2 | 206.9 |
| -27.5° | 2074.0 | 1949.8 | 1722.4 | 1442.0 | 1199.6 | 977.7 | 768.2 | 581.6 | 432.4 | 298.0 | 198.3 |
| -30° | 2069.1 | 1897.3 | 1666.9 | 1395.7 | 1158.9 | 939.5 | 737.4 | 564.2 | 417.8 | 285.8 | 188.3 |
| -32.5° | 2040.5 | 1838.7 | 1595.5 | 1343.1 | 1110.4 | 896.4 | 703.2 | 542.9 | 400.0 | 275.5 | 181.9 |
| -35° | 1965.6 | 1759.1 | 1522.5 | 1282.6 | 1056.9 | 854.7 | 669.8 | 517.9 | 379.1 | 262.8 | 176.5 |
| -37.5° | 1883.6 | 1660.3 | 1448.6 | 1216.5 | 998.2 | 808.0 | 638.7 | 490.7 | 354.9 | 247.4 | 170.4 |
| -40° | 1764.9 | 1552.5 | 1351.0 | 1142.5 | 938.1 | 755.8 | 602.8 | 460.2 | 333.0 | 229.6 | 162.7 |
| -42.5° | 1640.5 | 1439.6 | 1247.8 | 1055.1 | 873.6 | 708.7 | 562.4 | 425.5 | 309.7 | 216.0 | 153.7 |
| -45° | 1514.3 | 1323.1 | 1140.3 | 969.3 | 804.4 | 656.0 | 518.7 | 388.1 | 283.2 | 203.9 | 146.7 |
| -47.5° | 1381.0 | 1203.2 | 1035.3 | 877.5 | 738.9 | 598.1 | 468.1 | 354.7 | 254.0 | 190.0 | 143.9 |
| -50° | 1243.5 | 1080.8 | 929.0 | 792.1 | 664.1 | 535.6 | 415.4 | 317.7 | 235.8 | 174.2 | 140.6 |
| -52.5° | 1104.5 | 957.2 | 827.4 | 706.5 | 585.9 | 467.4 | 367.6 | 278.2 | 215.9 | 166.0 | 136.7 |
| -55° | 962.8 | 843.0 | 730.1 | 616.7 | 503.8 | 406.4 | 316.5 | 251.8 | 194.2 | 160.7 | 132.5 |
| -57.5° | 839.7 | 734.6 | 627.8 | 522.3 | 428.9 | 344.9 | 277.2 | 224.0 | 183.7 | 154.9 | 129.9 |
| -60° | 718.2 | 619.5 | 520.7 | 436.8 | 357.8 | 293.5 | 244.7 | 201.2 | 176.1 | 149.0 | 126.8 |
| -62.5° | 591.9 | 504.2 | 428.0 | 355.0 | 299.9 | 254.6 | 214.8 | 190.8 | 167.6 | 144.6 | 123.3 |
| -65° | 473.4 | 403.2 | 338.1 | 296.2 | 255.1 | 221.1 | 202.0 | 179.9 | 160.4 | 139.8 | 119.5 |
| -67.5° | 360.2 | 321.5 | 282.9 | 245.4 | 223.7 | 206.0 | 188.4 | 170.8 | 153.5 | 134.6 | 115.4 |
| -70° | 295.5 | 260.9 | 238.7 | 222.5 | 206.7 | 191.1 | 177.5 | 162.4 | 146.2 | 129.4 | 111.0 |
| -72.5° | 249.4 | 233.5 | 218.2 | 203.8 | 191.5 | 179.0 | 166.8 | 153.7 | 139.3 | 124.0 | 106.4 |
| -75° | 225.1 | 212.2 | 200.7 | 189.2 | 177.9 | 166.6 | 156.6 | 145.3 | 132.1 | 118.3 | 101.6 |
| -77.5° | 206.3 | 195.1 | 184.7 | 174.8 | 165.2 | 155.9 | 146.6 | 136.7 | 124.6 | 112.0 | 96.5 |
| -80° | 188.3 | 178.9 | 170.0 | 161.1 | 153.0 | 145.0 | 136.2 | 127.4 | 116.5 | 105.4 | 91.2 |
| -82.5° | 171.2 | 163.1 | 155.0 | 146.8 | 139.6 | 132.3 | 125.0 | 117.8 | 108.2 | 98.6 | 86.2 |
| -85° | 153.4 | 146.5 | 139.3 | 132.0 | 125.7 | 119.4 | 114.3 | 108.9 | 101.0 | 92.9 | 81.9 |
| -87.5° | 139.0 | 133.4 | 127.5 | 121.7 | 116.8 | 111.9 | 106.8 | 101.7 | 94.4 | 87.1 | 77.5 |
| -90° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 5.0 | 5.5 | 5.5 | 5.5 | 5.5 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| 90° | 64.7 | 53.7 | 42.8 | 30.2 | 17.6 | 11.5 | 5.5 |
| 87.5° | 5.8 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.5 |
| 85° | 6.1 | 6.0 | 5.9 | 5.9 | 5.9 | 5.8 | 5.5 |
| 82.5° | 6.4 | 6.2 | 6.1 | 6.1 | 6.1 | 5.9 | 5.5 |
| 80° | 6.6 | 6.4 | 6.3 | 6.4 | 6.3 | 6.1 | 5.5 |
| 77.5° | 6.9 | 6.7 | 6.5 | 6.6 | 6.5 | 6.2 | 5.5 |
| 75° | 7.2 | 7.1 | 6.7 | 6.8 | 6.7 | 6.4 | 5.5 |
| 72.5° | 7.6 | 7.5 | 7.1 | 7.1 | 6.9 | 6.5 | 5.5 |
| 70° | 8.0 | 7.9 | 7.5 | 7.3 | 7.1 | 6.7 | 5.5 |
| 67.5° | 8.6 | 8.3 | 7.9 | 7.6 | 7.3 | 6.8 | 5.5 |
| 65° | 9.3 | 8.8 | 8.3 | 7.9 | 7.5 | 6.9 | 5.5 |
| 62.5° | 10.0 | 9.5 | 8.7 | 8.2 | 7.8 | 7.1 | 5.5 |
| 60° | 10.7 | 10.1 | 9.1 | 8.5 | 8.0 | 7.2 | 5.5 |
| 57.5° | 12.5 | 10.8 | 9.8 | 8.7 | 8.3 | 7.4 | 5.5 |
| 55° | 14.5 | 11.5 | 10.6 | 9.0 | 8.6 | 7.5 | 5.5 |
| 52.5° | 16.7 | 12.4 | 11.4 | 9.3 | 9.0 | 7.6 | 5.5 |
| 50° | 19.0 | 14.7 | 12.3 | 9.6 | 9.3 | 7.8 | 5.5 |
| 47.5° | 21.6 | 17.1 | 13.2 | 10.0 | 9.7 | 7.9 | 5.5 |
| 45° | 25.1 | 19.6 | 14.2 | 10.7 | 10.2 | 8.1 | 5.5 |
| 42.5° | 28.7 | 22.2 | 15.3 | 11.5 | 10.6 | 8.2 | 5.5 |
| 40° | 32.5 | 24.8 | 16.8 | 12.6 | 11.1 | 8.3 | 5.5 |
| 37.5° | 36.6 | 27.5 | 18.9 | 13.9 | 11.6 | 8.5 | 5.5 |
| 35° | 40.8 | 30.6 | 21.0 | 15.2 | 12.1 | 8.6 | 5.5 |
| 32.5° | 46.3 | 34.0 | 23.0 | 16.6 | 12.6 | 8.7 | 5.5 |
| 30° | 54.4 | 37.3 | 25.1 | 18.0 | 13.2 | 8.8 | 5.5 |
| 27.5° | 62.4 | 40.7 | 27.7 | 19.5 | 13.7 | 9.0 | 5.5 |
| 25° | 70.4 | 44.0 | 30.4 | 21.0 | 14.3 | 9.1 | 5.5 |
| 22.5° | 78.1 | 47.4 | 33.0 | 22.5 | 14.9 | 9.2 | 5.5 |
| 20° | 85.6 | 50.9 | 35.5 | 24.0 | 15.5 | 9.3 | 5.5 |
| 17.5° | 92.5 | 54.3 | 37.8 | 25.5 | 16.0 | 9.4 | 5.5 |
| 15° | 98.6 | 57.6 | 40.1 | 27.0 | 16.6 | 9.5 | 5.5 |
| 12.5° | 104.3 | 60.7 | 42.3 | 28.5 | 17.2 | 9.6 | 5.5 |
| 10° | 109.3 | 63.6 | 44.4 | 29.9 | 17.7 | 9.6 | 5.5 |
| 7.5° | 113.9 | 66.4 | 46.4 | 31.3 | 18.3 | 9.7 | 5.5 |
| 5° | 117.8 | 69.0 | 48.2 | 32.6 | 18.8 | 9.8 | 5.5 |
| 2.5° | 121.2 | 71.3 | 50.0 | 33.9 | 19.3 | 9.8 | 5.5 |
| 0° | 124.0 | 73.5 | 51.6 | 35.1 | 19.7 | 9.9 | 5.5 |
| -2.5° | 128.0 | 76.6 | 53.9 | 36.6 | 20.7 | 10.3 | 5.5 |
| -5° | 131.3 | 79.4 | 56.0 | 38.1 | 21.7 | 10.7 | 5.5 |
| -7.5° | 134.0 | 82.0 | 57.9 | 39.4 | 22.7 | 11.1 | 5.5 |
| -10° | 136.1 | 84.3 | 59.8 | 40.7 | 23.6 | 11.5 | 5.5 |
| -12.5° | 137.4 | 86.4 | 61.4 | 41.9 | 24.4 | 11.9 | 5.5 |
| -15° | 138.1 | 88.2 | 62.9 | 42.9 | 25.2 | 12.3 | 5.5 |
| -17.5° | 138.1 | 89.7 | 64.2 | 43.9 | 26.0 | 12.6 | 5.5 |
| -20° | 137.5 | 90.9 | 65.4 | 44.7 | 26.6 | 12.9 | 5.5 |



REPORT NUMBER: P731625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| -22.5° | 136.5 | 91.9 | 66.3 | 45.5 | 27.2 | 13.2 | 5.5 |
| -25° | 134.6 | 92.7 | 67.1 | 46.1 | 27.8 | 13.5 | 5.5 |
| -27.5° | 131.9 | 93.3 | 67.6 | 46.6 | 28.2 | 13.8 | 5.5 |
| -30° | 128.4 | 93.6 | 68.0 | 47.1 | 28.6 | 14.0 | 5.5 |
| -32.5° | 124.1 | 93.6 | 68.5 | 47.4 | 28.9 | 14.2 | 5.5 |
| -35° | 122.4 | 93.3 | 68.9 | 47.6 | 29.1 | 14.4 | 5.5 |
| -37.5° | 121.7 | 93.0 | 69.0 | 47.7 | 29.3 | 14.5 | 5.5 |
| -40° | 120.6 | 92.9 | 69.0 | 47.6 | 29.3 | 14.6 | 5.5 |
| -42.5° | 119.1 | 92.6 | 68.9 | 47.6 | 29.3 | 14.7 | 5.5 |
| -45° | 117.3 | 92.1 | 68.9 | 47.5 | 29.2 | 14.8 | 5.5 |
| -47.5° | 114.9 | 91.4 | 68.7 | 47.4 | 29.0 | 14.8 | 5.5 |
| -50° | 113.4 | 90.5 | 68.2 | 47.1 | 28.8 | 14.8 | 5.5 |
| -52.5° | 111.8 | 89.3 | 67.6 | 46.8 | 28.4 | 14.8 | 5.5 |
| -55° | 109.9 | 88.0 | 66.9 | 46.3 | 28.0 | 14.8 | 5.5 |
| -57.5° | 107.7 | 86.6 | 65.9 | 45.7 | 27.5 | 14.7 | 5.5 |
| -60° | 105.2 | 84.9 | 64.8 | 44.9 | 27.0 | 14.6 | 5.5 |
| -62.5° | 102.6 | 82.9 | 63.5 | 44.1 | 26.5 | 14.5 | 5.5 |
| -65° | 99.7 | 80.7 | 62.1 | 43.1 | 26.0 | 14.3 | 5.5 |
| -67.5° | 96.4 | 78.3 | 60.4 | 42.0 | 25.4 | 14.1 | 5.5 |
| -70° | 92.9 | 75.7 | 58.7 | 40.8 | 24.8 | 13.9 | 5.5 |
| -72.5° | 89.4 | 73.0 | 56.7 | 39.7 | 24.0 | 13.7 | 5.5 |
| -75° | 85.6 | 70.0 | 54.6 | 38.6 | 23.3 | 13.4 | 5.5 |
| -77.5° | 81.7 | 66.9 | 52.9 | 37.4 | 22.4 | 13.2 | 5.5 |
| -80° | 77.5 | 64.3 | 51.1 | 36.1 | 21.5 | 12.9 | 5.5 |
| -82.5° | 74.4 | 61.8 | 49.2 | 34.8 | 20.6 | 12.6 | 5.5 |
| -85° | 71.3 | 59.2 | 47.2 | 33.3 | 19.6 | 12.2 | 5.5 |
| -87.5° | 68.1 | 56.5 | 45.0 | 31.8 | 18.6 | 11.9 | 5.5 |
| -90° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |

(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

