

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: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-3S-VHE-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-80-3S-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

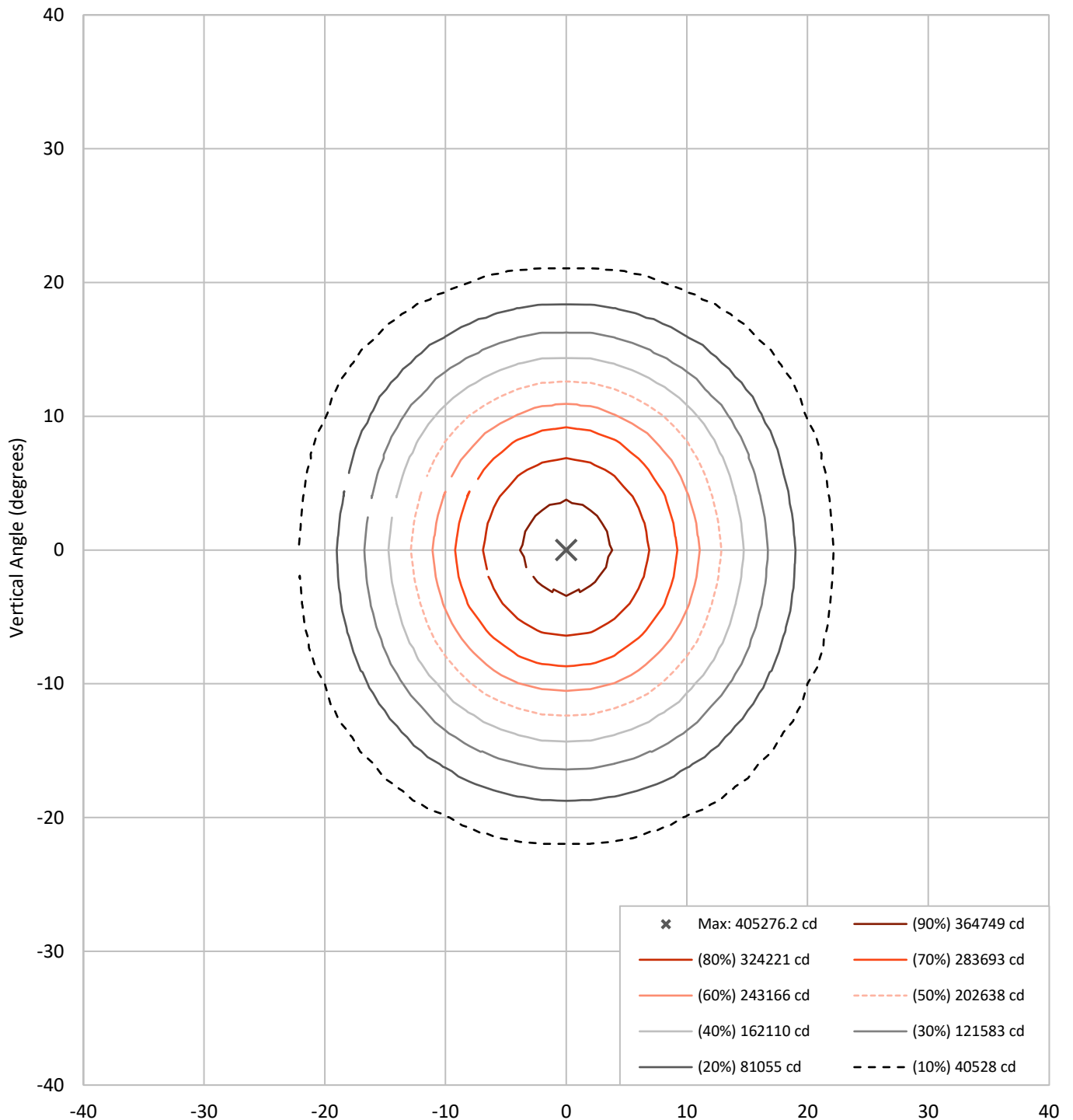
Summary

| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 91053.5 lumens | Max Intensity: | 405276.2 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 138.4 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') | | |
| Beam Angle (50%): | 25.7°H x 24.9°V | Field Angle (10%): | 44.2°H x 43°V |
| Beam Lumens: | 43565.3 lumens | Field Lumens: | 76337.2 lumens |
| Beam Efficiency: | 47.8% | Field Efficiency: | 83.8% |

Input Watts (W): 658
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: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

Iso-Candela Plot





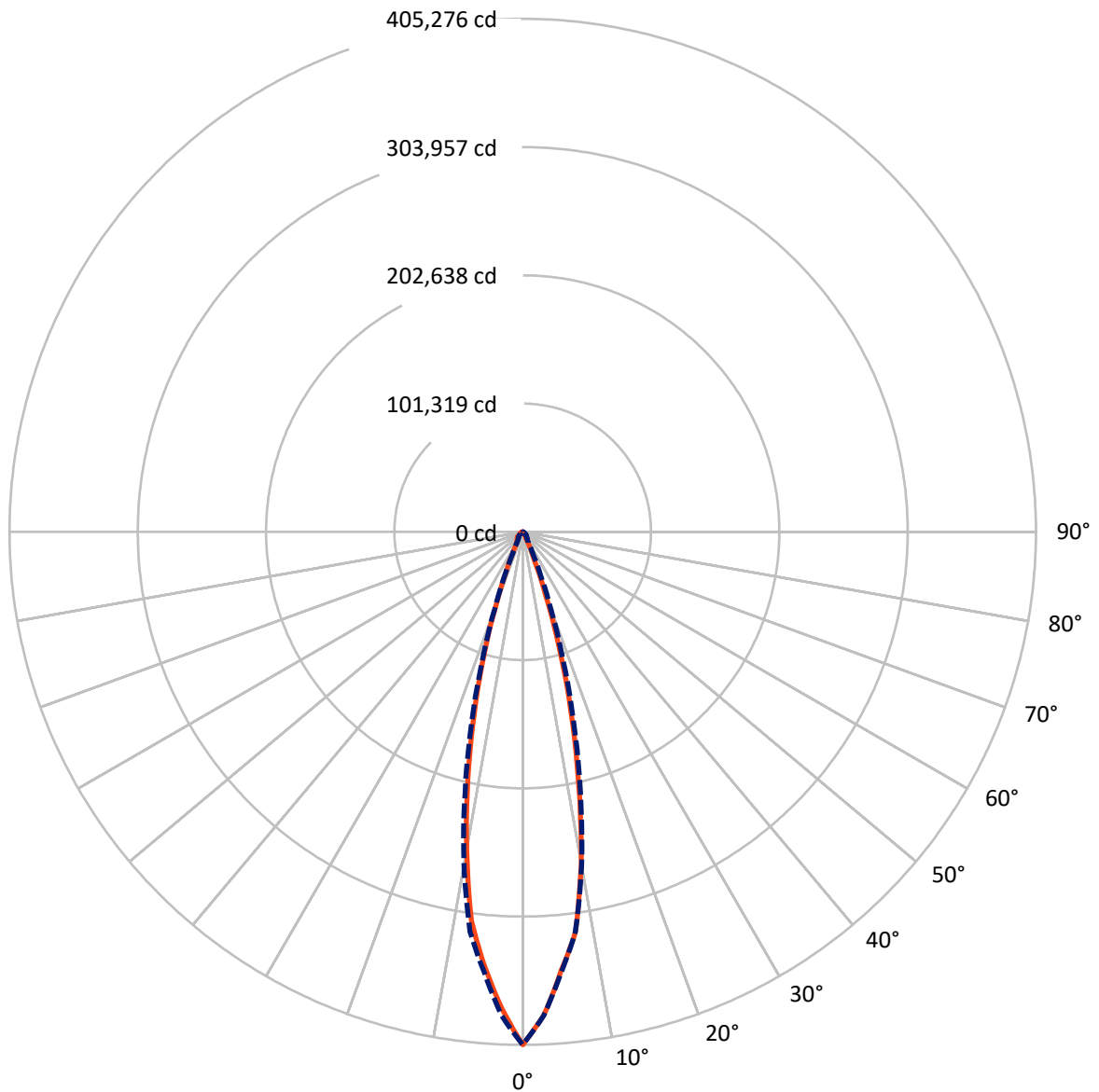
REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|------|------|-------|-------|--------|--------|--------|--------|-------|-------|------|------|------|-----|-----|----|----|
| 90 | 0.2 | | 0.7 | | 1.4 | | 2.1 | | 2.6 | | 2.1 | | 1.4 | | 0.7 | | 0.2 | | |
| 80 | 0.2 | | 0.7 | | 1.4 | | 2.1 | | 2.6 | | 2.1 | | 1.4 | | 0.7 | | 0.2 | | |
| 70 | 0.3 | 0.1 | 0.2 | 0.7 | 0.8 | 0.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.7 | 0.8 | 0.7 | 0.2 | 0.1 | 0.3 | | | |
| 60 | | 0.4 | 0.9 | 1.2 | 1.0 | 1.0 | 1.3 | 1.6 | 1.6 | 1.3 | 1.0 | 1.0 | 1.2 | 0.9 | 0.4 | | | | |
| 50 | 0.9 | 1.3 | 3.1 | 6.4 | 11.8 | 20.1 | 28.6 | 32.4 | 32.4 | 28.6 | 20.1 | 11.8 | 6.4 | 3.1 | 1.3 | 0.9 | | | |
| 40 | | 3.1 | 9.7 | 19.9 | 37.5 | 62.2 | 75.2 | 88.3 | 88.3 | 75.2 | 62.2 | 37.5 | 19.9 | 9.7 | 3.1 | | | | |
| 30 | 2.1 | 5.3 | 16.2 | 35.7 | 79.8 | 102.7 | 221.8 | 485.1 | 485.1 | 221.8 | 102.7 | 79.8 | 35.7 | 16.2 | 5.3 | 2.1 | | | |
| 20 | | 7.0 | 21.4 | 58.0 | 114.6 | 277.1 | 1668.9 | 4034.7 | 4034.7 | 1668.9 | 277.1 | 114.6 | 58.0 | 21.4 | 7.0 | | | | |
| 10 | 3.1 | 8.4 | 24.8 | 73.8 | 138.8 | 615.0 | 4053.4 | 9232.5 | 9232.5 | 4053.4 | 615.0 | 138.8 | 73.8 | 24.8 | 8.4 | 3.1 | | | |
| 0 | | 9.3 | 27.2 | 78.1 | 153.8 | 633.8 | 4078.0 | 9136.6 | 9136.6 | 4078.0 | 633.8 | 153.8 | 78.1 | 27.2 | 9.3 | | | | |
| -10 | 3.3 | 9.4 | 28.1 | 75.4 | 153.2 | 339.8 | 1740.2 | 4072.3 | 4072.3 | 1740.2 | 339.8 | 153.2 | 75.4 | 28.1 | 9.4 | 3.3 | | | |
| -20 | | 8.7 | 26.8 | 59.7 | 137.9 | 208.2 | 360.7 | 686.0 | 686.0 | 360.7 | 208.2 | 137.9 | 59.7 | 26.8 | 8.7 | | | | |
| -30 | 2.8 | 7.4 | 23.0 | 47.7 | 95.3 | 166.5 | 205.5 | 228.1 | 228.1 | 205.5 | 166.5 | 95.3 | 47.7 | 23.0 | 7.4 | 2.8 | | | |
| -40 | | 5.7 | 17.5 | 37.0 | 60.3 | 89.0 | 130.5 | 162.5 | 162.5 | 130.5 | 89.0 | 60.3 | 37.0 | 17.5 | 5.7 | | | | |
| -50 | 2.3 | 3.8 | 11.4 | 24.2 | 40.6 | 55.3 | 67.1 | 74.4 | 74.4 | 67.1 | 55.3 | 40.6 | 24.2 | 11.4 | 3.8 | 2.3 | | | |
| -60 | | 2.7 | 6.0 | 12.5 | 21.1 | 29.1 | 36.8 | 41.4 | 41.4 | 36.8 | 29.1 | 21.1 | 12.5 | 6.0 | 2.7 | | | | |
| -70 | | | | | | | | | | | | | | | | | | | |
| -80 | 1.7 | | 10.0 | | 23.1 | | 37.6 | | 46.1 | | 37.6 | | 23.1 | | 10.0 | | 1.7 | | |
| -90 | | | | | | | | | | | | | | | | | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

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CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

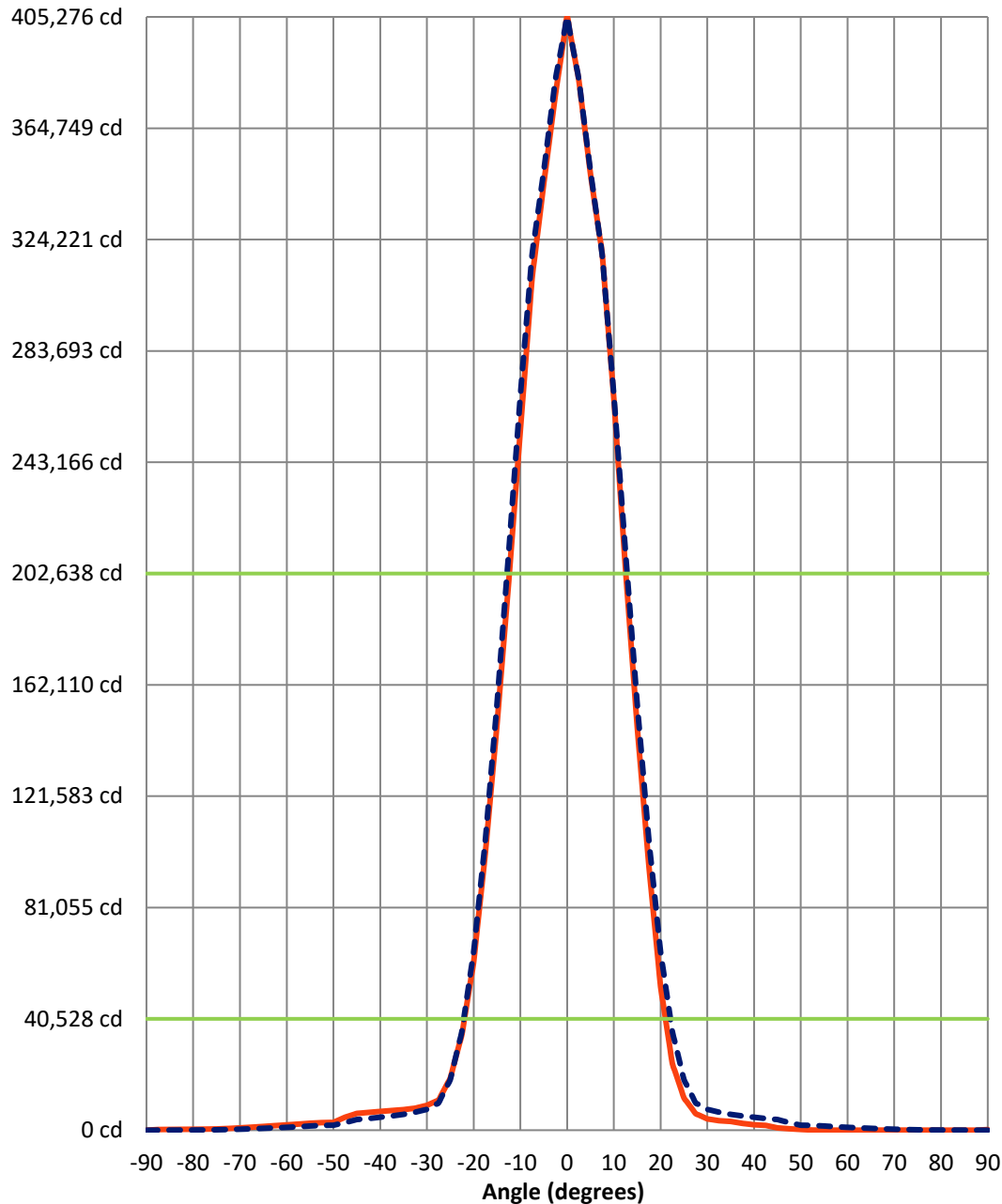
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 25.7°
 V Angle: 24.9°
 Lumens: 43565.3
 Efficiency: 47.8%

Field:
 H Angle: 44.2°
 V Angle: 43°
 Lumens: 76337.2
 Efficiency: 83.8%

Spill:
 Lumens: 14716.4
 Efficiency: 16.2%

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



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| 90° | 3.3 | 13.6 | 23.9 | 38.5 | 53.2 | 65.6 | 78.1 | 87.4 | 96.6 | 104.2 | 111.8 |
| 87.5° | 3.3 | 3.6 | 3.5 | 3.6 | 3.7 | 3.6 | 3.6 | 3.2 | 2.9 | 2.8 | 2.7 |
| 85° | 3.3 | 3.8 | 3.7 | 3.8 | 4.0 | 4.0 | 3.8 | 3.7 | 3.6 | 3.4 | 3.1 |
| 82.5° | 3.3 | 4.1 | 3.9 | 4.1 | 4.4 | 4.3 | 4.1 | 4.1 | 4.3 | 4.0 | 3.6 |
| 80° | 3.3 | 4.3 | 4.1 | 4.4 | 4.8 | 4.7 | 4.4 | 4.6 | 4.7 | 4.4 | 4.1 |
| 77.5° | 3.3 | 4.6 | 4.3 | 4.7 | 5.1 | 5.1 | 5.0 | 5.2 | 5.1 | 4.9 | 4.5 |
| 75° | 3.3 | 4.9 | 4.5 | 4.9 | 5.5 | 5.7 | 5.6 | 5.7 | 5.6 | 5.5 | 5.1 |
| 72.5° | 3.3 | 5.1 | 4.8 | 5.2 | 6.1 | 6.4 | 6.3 | 6.4 | 6.5 | 6.3 | 5.7 |
| 70° | 3.3 | 5.4 | 5.0 | 5.5 | 6.7 | 7.0 | 7.0 | 7.5 | 7.5 | 7.1 | 7.2 |
| 67.5° | 3.3 | 5.7 | 5.3 | 6.2 | 7.4 | 7.7 | 8.4 | 8.7 | 8.6 | 9.0 | 9.0 |
| 65° | 3.3 | 5.9 | 5.7 | 6.8 | 8.1 | 8.8 | 9.8 | 9.9 | 10.8 | 11.1 | 11.0 |
| 62.5° | 3.3 | 6.2 | 6.0 | 7.5 | 8.8 | 10.2 | 11.2 | 12.0 | 13.3 | 13.3 | 13.3 |
| 60° | 3.3 | 6.5 | 6.4 | 8.2 | 9.5 | 11.7 | 12.8 | 14.5 | 15.8 | 16.2 | 15.9 |
| 57.5° | 3.3 | 6.8 | 7.1 | 8.8 | 11.0 | 13.3 | 15.2 | 17.2 | 19.2 | 19.5 | 21.5 |
| 55° | 3.3 | 7.1 | 7.9 | 9.5 | 12.5 | 14.9 | 17.7 | 20.0 | 23.2 | 24.4 | 29.1 |
| 52.5° | 3.3 | 7.4 | 8.7 | 10.2 | 14.0 | 16.6 | 20.3 | 24.0 | 27.4 | 33.6 | 37.4 |
| 50° | 3.3 | 7.7 | 9.5 | 11.0 | 15.6 | 19.1 | 23.0 | 28.3 | 33.5 | 43.7 | 52.6 |
| 47.5° | 3.3 | 8.0 | 10.3 | 11.8 | 17.2 | 21.6 | 25.8 | 32.8 | 43.6 | 54.6 | 70.8 |
| 45° | 3.3 | 8.3 | 11.1 | 13.1 | 18.9 | 24.2 | 29.9 | 37.5 | 54.3 | 73.2 | 91.0 |
| 42.5° | 3.3 | 8.6 | 11.9 | 14.3 | 20.6 | 26.9 | 34.0 | 45.2 | 65.4 | 93.3 | 122.0 |
| 40° | 3.3 | 8.9 | 12.8 | 15.9 | 22.5 | 29.7 | 38.5 | 55.2 | 79.5 | 114.8 | 156.9 |
| 37.5° | 3.3 | 9.2 | 13.7 | 17.7 | 24.7 | 32.5 | 43.4 | 65.4 | 99.1 | 140.3 | 194.3 |
| 35° | 3.3 | 9.5 | 14.5 | 19.6 | 26.9 | 36.1 | 48.4 | 75.9 | 119.6 | 173.2 | 236.1 |
| 32.5° | 3.3 | 9.8 | 15.4 | 21.4 | 29.1 | 40.1 | 54.7 | 86.8 | 140.8 | 206.3 | 277.6 |
| 30° | 3.3 | 10.1 | 16.3 | 23.2 | 31.3 | 44.1 | 63.7 | 99.4 | 162.6 | 239.5 | 316.4 |
| 27.5° | 3.3 | 10.3 | 17.2 | 25.0 | 34.1 | 48.1 | 72.6 | 116.0 | 184.7 | 272.5 | 352.5 |
| 25° | 3.3 | 10.6 | 18.1 | 26.8 | 36.9 | 52.1 | 81.3 | 131.6 | 207.1 | 303.5 | 386.1 |
| 22.5° | 3.3 | 10.9 | 19.0 | 28.5 | 39.7 | 56.1 | 89.8 | 146.3 | 227.6 | 324.5 | 422.7 |
| 20° | 3.3 | 11.2 | 19.9 | 30.3 | 42.4 | 60.2 | 98.1 | 160.0 | 246.2 | 344.0 | 452.2 |
| 17.5° | 3.3 | 11.5 | 20.7 | 32.0 | 45.0 | 64.1 | 105.7 | 172.6 | 262.8 | 362.0 | 479.9 |
| 15° | 3.3 | 11.7 | 21.6 | 33.6 | 47.6 | 67.9 | 112.8 | 184.1 | 277.4 | 378.3 | 506.2 |
| 12.5° | 3.3 | 12.0 | 22.4 | 35.2 | 50.1 | 71.4 | 119.3 | 194.2 | 292.4 | 392.8 | 530.7 |
| 10° | 3.3 | 12.2 | 23.2 | 36.8 | 52.5 | 74.7 | 125.3 | 203.3 | 307.7 | 414.6 | 557.5 |
| 7.5° | 3.3 | 12.4 | 23.9 | 38.3 | 54.7 | 77.8 | 130.7 | 211.4 | 321.8 | 436.5 | 590.9 |
| 5° | 3.3 | 12.6 | 24.7 | 39.7 | 56.9 | 80.7 | 135.5 | 218.4 | 334.5 | 457.1 | 621.9 |
| 2.5° | 3.3 | 12.8 | 25.4 | 41.0 | 58.9 | 83.3 | 139.7 | 224.2 | 345.5 | 475.9 | 650.0 |
| 0° | 3.3 | 13.0 | 26.0 | 42.3 | 60.8 | 85.7 | 143.2 | 228.9 | 354.8 | 492.6 | 674.8 |
| -2.5° | 3.3 | 13.5 | 27.2 | 44.2 | 63.5 | 89.3 | 147.8 | 236.7 | 365.2 | 503.9 | 686.4 |
| -5° | 3.3 | 14.1 | 28.3 | 46.0 | 66.0 | 92.6 | 151.7 | 243.2 | 373.5 | 512.8 | 694.2 |
| -7.5° | 3.3 | 14.5 | 29.3 | 47.6 | 68.4 | 95.7 | 154.9 | 248.2 | 379.7 | 519.1 | 698.4 |
| -10° | 3.3 | 15.0 | 30.3 | 49.2 | 70.6 | 98.5 | 157.3 | 251.7 | 383.5 | 523.0 | 699.0 |
| -12.5° | 3.3 | 15.5 | 31.3 | 50.7 | 72.7 | 101.0 | 159.0 | 253.6 | 384.9 | 524.1 | 697.4 |
| -15° | 3.3 | 15.9 | 32.1 | 52.0 | 74.5 | 103.2 | 159.9 | 253.7 | 382.6 | 520.8 | 692.1 |
| -17.5° | 3.3 | 16.3 | 32.9 | 53.2 | 76.2 | 105.1 | 160.0 | 251.5 | 376.4 | 514.7 | 681.8 |
| -20° | 3.3 | 16.6 | 33.7 | 54.2 | 77.6 | 106.6 | 159.4 | 247.2 | 367.9 | 505.6 | 666.6 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| -22.5° | 3.3 | 17.0 | 34.3 | 55.2 | 78.9 | 107.9 | 158.2 | 241.4 | 357.3 | 493.6 | 646.6 |
| -25° | 3.3 | 17.3 | 34.9 | 56.0 | 79.9 | 109.0 | 156.1 | 234.1 | 344.4 | 478.5 | 625.6 |
| -27.5° | 3.3 | 17.6 | 35.4 | 56.6 | 80.7 | 109.8 | 153.2 | 225.3 | 329.3 | 464.8 | 610.6 |
| -30° | 3.3 | 17.8 | 35.8 | 57.1 | 81.3 | 110.4 | 149.5 | 215.0 | 317.1 | 449.8 | 592.5 |
| -32.5° | 3.3 | 18.0 | 36.2 | 57.5 | 82.1 | 110.7 | 144.9 | 208.3 | 306.7 | 432.2 | 570.8 |
| -35° | 3.3 | 18.2 | 36.5 | 57.7 | 82.7 | 110.6 | 143.2 | 202.5 | 293.5 | 412.3 | 545.6 |
| -37.5° | 3.3 | 18.3 | 36.6 | 57.8 | 83.1 | 110.5 | 142.8 | 196.0 | 277.6 | 389.9 | 519.0 |
| -40° | 3.3 | 18.4 | 36.8 | 57.7 | 83.3 | 110.7 | 141.9 | 188.2 | 259.0 | 368.1 | 489.1 |
| -42.5° | 3.3 | 18.5 | 36.8 | 57.6 | 83.3 | 110.7 | 140.7 | 179.0 | 245.0 | 342.0 | 454.4 |
| -45° | 3.3 | 18.5 | 36.7 | 57.5 | 83.2 | 110.3 | 139.0 | 172.0 | 232.9 | 312.9 | 416.1 |
| -47.5° | 3.3 | 18.5 | 36.6 | 57.3 | 82.9 | 109.7 | 136.7 | 169.3 | 219.0 | 281.7 | 380.6 |
| -50° | 3.3 | 18.5 | 36.4 | 57.1 | 82.3 | 108.9 | 135.2 | 165.9 | 202.7 | 263.0 | 342.2 |
| -52.5° | 3.3 | 18.4 | 36.0 | 56.9 | 81.5 | 107.8 | 133.5 | 162.0 | 193.7 | 243.0 | 302.5 |
| -55° | 3.3 | 18.3 | 35.7 | 56.5 | 80.5 | 106.2 | 131.4 | 157.6 | 187.8 | 221.5 | 277.3 |
| -57.5° | 3.3 | 18.2 | 35.2 | 56.0 | 79.3 | 104.3 | 128.9 | 154.6 | 181.3 | 210.8 | 250.8 |
| -60° | 3.3 | 18.0 | 34.7 | 55.3 | 77.8 | 102.2 | 126.2 | 150.9 | 174.8 | 202.8 | 228.9 |
| -62.5° | 3.3 | 17.8 | 34.1 | 54.5 | 76.6 | 99.8 | 123.2 | 146.6 | 169.6 | 194.0 | 218.0 |
| -65° | 3.3 | 17.6 | 33.5 | 53.6 | 75.2 | 97.1 | 119.9 | 142.1 | 163.9 | 186.0 | 206.4 |
| -67.5° | 3.3 | 17.3 | 32.9 | 52.5 | 73.7 | 94.5 | 116.4 | 137.4 | 157.8 | 178.2 | 196.7 |
| -70° | 3.3 | 17.0 | 32.1 | 51.3 | 71.9 | 91.8 | 112.6 | 132.4 | 151.8 | 170.1 | 187.6 |
| -72.5° | 3.3 | 16.7 | 31.3 | 50.0 | 69.9 | 88.9 | 108.6 | 127.2 | 145.4 | 162.1 | 178.3 |
| -75° | 3.3 | 16.3 | 30.4 | 48.7 | 67.8 | 85.8 | 104.4 | 121.5 | 138.7 | 153.7 | 168.5 |
| -77.5° | 3.3 | 15.9 | 29.5 | 47.3 | 65.7 | 82.4 | 99.8 | 115.5 | 131.5 | 145.1 | 158.3 |
| -80° | 3.3 | 15.5 | 28.5 | 45.7 | 63.5 | 79.2 | 95.0 | 109.3 | 123.9 | 136.1 | 148.0 |
| -82.5° | 3.3 | 15.1 | 27.4 | 44.1 | 61.1 | 76.0 | 90.9 | 103.4 | 116.0 | 126.9 | 137.6 |
| -85° | 3.3 | 14.6 | 26.3 | 42.3 | 58.6 | 72.7 | 86.8 | 98.2 | 109.6 | 118.9 | 128.0 |
| -87.5° | 3.3 | 14.1 | 25.1 | 40.5 | 56.0 | 69.2 | 82.5 | 92.8 | 103.2 | 111.6 | 120.0 |
| -90° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 2.8 | 2.2 | 2.2 | 2.2 |



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 117.8 | 123.7 | 129.1 | 134.5 | 139.4 | 144.3 | 150.8 | 157.3 | 162.2 | 167.1 | 172.0 |
| 87.5° | 2.7 | 2.7 | 2.8 | 2.8 | 2.5 | 2.2 | 2.2 | 2.2 | 2.1 | 1.9 | 2.0 |
| 85° | 3.2 | 3.3 | 3.3 | 3.3 | 2.9 | 2.5 | 2.6 | 2.7 | 2.7 | 2.8 | 2.5 |
| 82.5° | 3.7 | 3.8 | 3.6 | 3.3 | 3.2 | 3.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.0 |
| 80° | 4.1 | 4.3 | 3.9 | 3.6 | 3.7 | 3.9 | 3.7 | 3.4 | 3.3 | 3.4 | 3.5 |
| 77.5° | 4.5 | 4.4 | 4.2 | 4.2 | 4.3 | 4.5 | 4.5 | 4.5 | 4.4 | 4.2 | 4.3 |
| 75° | 4.8 | 4.5 | 4.6 | 4.5 | 4.5 | 5.0 | 5.4 | 5.4 | 5.2 | 5.0 | 5.1 |
| 72.5° | 5.7 | 5.7 | 5.5 | 4.8 | 4.9 | 5.4 | 5.4 | 5.4 | 6.7 | 9.0 | 10.8 |
| 70° | 7.1 | 7.0 | 6.6 | 6.2 | 6.0 | 6.4 | 8.2 | 11.2 | 14.6 | 17.7 | 20.6 |
| 67.5° | 8.6 | 8.4 | 7.9 | 7.9 | 9.0 | 10.8 | 13.1 | 20.8 | 28.8 | 31.5 | 32.0 |
| 65° | 10.2 | 9.9 | 10.0 | 11.3 | 12.8 | 18.2 | 25.2 | 34.4 | 42.1 | 41.7 | 38.5 |
| 62.5° | 12.0 | 13.5 | 13.5 | 16.2 | 21.5 | 28.1 | 36.2 | 44.1 | 51.0 | 47.7 | 39.7 |
| 60° | 17.1 | 18.2 | 20.6 | 25.6 | 31.1 | 37.6 | 46.1 | 48.6 | 50.4 | 49.1 | 38.6 |
| 57.5° | 23.7 | 26.5 | 31.6 | 36.2 | 42.8 | 45.8 | 46.4 | 46.0 | 48.9 | 46.9 | 36.3 |
| 55° | 33.1 | 38.0 | 44.9 | 49.6 | 53.5 | 47.8 | 47.2 | 50.1 | 49.8 | 45.6 | 35.2 |
| 52.5° | 47.3 | 52.4 | 62.0 | 65.5 | 62.5 | 58.0 | 56.4 | 59.2 | 57.0 | 51.2 | 44.4 |
| 50° | 62.7 | 74.9 | 81.3 | 84.1 | 78.6 | 78.0 | 72.3 | 75.9 | 78.9 | 76.1 | 85.7 |
| 47.5° | 86.2 | 100.9 | 105.6 | 110.7 | 108.0 | 118.0 | 112.8 | 131.5 | 132.8 | 187.4 | 203.7 |
| 45° | 114.5 | 134.3 | 139.8 | 152.8 | 167.3 | 184.6 | 214.6 | 222.5 | 312.3 | 366.9 | 431.5 |
| 42.5° | 148.6 | 173.5 | 195.9 | 203.4 | 267.8 | 302.8 | 347.8 | 431.3 | 514.8 | 583.4 | 631.5 |
| 40° | 192.6 | 217.9 | 265.2 | 321.8 | 390.4 | 449.8 | 535.7 | 632.3 | 711.9 | 764.6 | 789.4 |
| 37.5° | 240.9 | 290.4 | 352.5 | 444.0 | 527.3 | 602.9 | 712.6 | 809.3 | 879.9 | 928.6 | 934.9 |
| 35° | 292.9 | 363.2 | 464.8 | 557.5 | 643.5 | 745.9 | 854.8 | 966.0 | 1023.9 | 1044.9 | 1134.5 |
| 32.5° | 353.4 | 434.1 | 554.4 | 655.0 | 751.9 | 868.0 | 983.8 | 1079.9 | 1131.0 | 1190.3 | 1493.8 |
| 30° | 410.8 | 508.4 | 628.2 | 735.1 | 855.2 | 987.4 | 1098.1 | 1188.7 | 1224.0 | 1535.8 | 2026.6 |
| 27.5° | 456.5 | 573.0 | 693.2 | 822.2 | 960.0 | 1111.1 | 1222.8 | 1281.6 | 1483.8 | 1945.2 | 2654.8 |
| 25° | 499.2 | 624.5 | 758.8 | 919.9 | 1076.7 | 1226.5 | 1340.1 | 1377.7 | 1798.2 | 2580.6 | 3109.5 |
| 22.5° | 540.9 | 674.7 | 831.2 | 1023.3 | 1183.9 | 1323.7 | 1418.7 | 1646.4 | 2249.0 | 3239.8 | 3514.4 |
| 20° | 582.6 | 734.1 | 909.9 | 1101.5 | 1278.6 | 1409.1 | 1482.1 | 1929.8 | 2796.5 | 3493.2 | 3802.1 |
| 17.5° | 622.8 | 794.0 | 982.1 | 1167.2 | 1345.8 | 1478.1 | 1572.5 | 2168.9 | 3230.0 | 3720.4 | 4024.6 |
| 15° | 661.9 | 845.0 | 1037.8 | 1229.0 | 1411.2 | 1538.6 | 1794.7 | 2519.5 | 3499.3 | 3995.4 | 4316.6 |
| 12.5° | 699.4 | 888.7 | 1078.9 | 1282.6 | 1474.4 | 1597.3 | 2025.1 | 2944.5 | 3780.3 | 4266.3 | 4613.5 |
| 10° | 734.8 | 925.4 | 1114.6 | 1331.4 | 1533.2 | 1648.4 | 2241.4 | 3341.5 | 4037.5 | 4459.1 | 4773.8 |
| 7.5° | 770.5 | 958.5 | 1146.9 | 1375.6 | 1588.5 | 1695.0 | 2424.3 | 3558.8 | 4138.5 | 4586.5 | 4886.9 |
| 5° | 802.1 | 989.1 | 1185.1 | 1430.0 | 1642.2 | 1737.8 | 2578.7 | 3705.0 | 4170.4 | 4650.1 | 4968.3 |
| 2.5° | 829.0 | 1014.5 | 1218.5 | 1480.8 | 1690.6 | 1776.6 | 2683.9 | 3816.4 | 4209.1 | 4695.4 | 5069.5 |
| 0° | 851.7 | 1035.0 | 1246.6 | 1524.4 | 1731.6 | 1811.9 | 2753.6 | 3876.5 | 4233.5 | 4715.2 | 5181.7 |
| -2.5° | 868.3 | 1062.3 | 1291.5 | 1561.3 | 1765.3 | 1848.7 | 2775.5 | 3902.3 | 4269.0 | 4824.7 | 5433.7 |
| -5° | 880.5 | 1084.3 | 1329.0 | 1590.7 | 1792.6 | 1882.6 | 2759.9 | 3878.2 | 4311.5 | 4925.7 | 5593.7 |
| -7.5° | 888.2 | 1100.1 | 1357.9 | 1612.6 | 1815.5 | 1920.8 | 2712.9 | 3850.6 | 4444.4 | 5052.5 | 5674.3 |
| -10° | 891.8 | 1108.3 | 1362.4 | 1620.9 | 1833.8 | 1959.0 | 2632.4 | 3757.2 | 4540.4 | 5101.0 | 5680.9 |
| -12.5° | 894.9 | 1110.0 | 1357.0 | 1619.4 | 1845.3 | 1994.1 | 2531.2 | 3645.0 | 4629.0 | 5119.2 | 5639.8 |
| -15° | 892.1 | 1106.5 | 1345.0 | 1609.4 | 1859.8 | 2038.3 | 2401.8 | 3436.8 | 4668.5 | 5100.0 | 5562.6 |
| -17.5° | 883.2 | 1098.1 | 1328.5 | 1596.4 | 1869.1 | 2079.4 | 2232.2 | 3115.9 | 4456.2 | 5041.2 | 5503.7 |
| -20° | 867.8 | 1082.7 | 1304.9 | 1571.5 | 1864.1 | 2097.3 | 2227.9 | 2881.1 | 4011.6 | 4925.5 | 5416.2 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 847.5 | 1060.9 | 1276.6 | 1538.4 | 1834.7 | 2089.9 | 2259.0 | 2622.3 | 3507.7 | 4756.1 | 5284.5 |
| -25° | 823.7 | 1033.3 | 1247.6 | 1502.9 | 1793.7 | 2075.9 | 2276.1 | 2383.8 | 3091.2 | 4181.8 | 5075.2 |
| -27.5° | 796.2 | 1000.4 | 1214.6 | 1455.4 | 1740.2 | 2034.2 | 2248.3 | 2390.5 | 2752.6 | 3525.1 | 4757.2 |
| -30° | 763.8 | 962.4 | 1171.9 | 1400.4 | 1674.8 | 1955.3 | 2200.8 | 2381.8 | 2487.6 | 3076.9 | 4067.5 |
| -32.5° | 727.1 | 918.6 | 1123.2 | 1347.6 | 1600.9 | 1870.5 | 2130.0 | 2325.8 | 2470.8 | 2663.8 | 3418.2 |
| -35° | 692.1 | 873.9 | 1069.3 | 1288.1 | 1521.6 | 1774.9 | 2018.4 | 2249.4 | 2431.3 | 2555.6 | 2862.3 |
| -37.5° | 661.1 | 825.2 | 1012.8 | 1223.5 | 1448.4 | 1665.1 | 1897.8 | 2135.9 | 2344.4 | 2516.2 | 2624.8 |
| -40° | 625.8 | 772.6 | 954.6 | 1153.8 | 1354.1 | 1554.2 | 1771.5 | 1999.0 | 2228.6 | 2417.3 | 2582.8 |
| -42.5° | 586.1 | 728.4 | 891.3 | 1072.6 | 1256.7 | 1445.7 | 1639.1 | 1854.5 | 2071.0 | 2286.2 | 2460.7 |
| -45° | 542.1 | 679.0 | 823.7 | 986.7 | 1153.7 | 1332.0 | 1515.3 | 1701.5 | 1906.2 | 2109.3 | 2300.3 |
| -47.5° | 492.6 | 624.1 | 762.1 | 895.2 | 1050.2 | 1213.9 | 1385.0 | 1560.6 | 1735.8 | 1922.4 | 2106.8 |
| -50° | 441.0 | 563.0 | 690.4 | 812.2 | 944.8 | 1093.7 | 1250.9 | 1414.3 | 1579.6 | 1736.1 | 1898.4 |
| -52.5° | 393.1 | 496.5 | 613.0 | 729.8 | 846.2 | 972.9 | 1114.9 | 1262.5 | 1415.5 | 1567.8 | 1705.1 |
| -55° | 341.5 | 434.4 | 531.3 | 641.5 | 752.7 | 862.3 | 977.6 | 1111.2 | 1241.1 | 1381.2 | 1516.0 |
| -57.5° | 302.9 | 371.2 | 456.1 | 547.8 | 651.9 | 757.8 | 859.9 | 960.6 | 1073.8 | 1191.0 | 1310.0 |
| -60° | 272.1 | 320.0 | 384.9 | 463.0 | 545.1 | 642.8 | 743.2 | 836.0 | 921.6 | 1008.8 | 1116.5 |
| -62.5° | 243.6 | 283.0 | 328.1 | 382.5 | 453.8 | 526.4 | 612.8 | 701.4 | 784.5 | 864.3 | 944.4 |
| -65° | 229.8 | 250.4 | 284.5 | 325.1 | 365.9 | 427.8 | 494.0 | 561.7 | 637.9 | 711.2 | 785.7 |
| -67.5° | 215.2 | 234.8 | 253.6 | 275.8 | 312.5 | 348.6 | 384.4 | 444.1 | 503.7 | 557.5 | 611.8 |
| -70° | 204.0 | 219.3 | 236.3 | 252.9 | 269.4 | 290.7 | 323.2 | 356.6 | 388.9 | 424.6 | 470.1 |
| -72.5° | 193.0 | 206.7 | 220.4 | 233.8 | 248.8 | 264.0 | 279.6 | 295.9 | 319.6 | 347.2 | 372.1 |
| -75° | 181.7 | 193.7 | 205.7 | 217.7 | 230.1 | 242.8 | 255.9 | 270.3 | 285.1 | 299.9 | 313.1 |
| -77.5° | 170.2 | 181.5 | 191.8 | 201.8 | 212.5 | 223.8 | 235.5 | 247.3 | 259.3 | 271.6 | 281.9 |
| -80° | 158.5 | 169.1 | 178.2 | 187.0 | 196.1 | 205.5 | 215.5 | 225.6 | 235.8 | 246.1 | 255.1 |
| -82.5° | 146.6 | 155.6 | 163.7 | 171.7 | 179.5 | 187.3 | 196.0 | 204.8 | 213.6 | 222.4 | 230.0 |
| -85° | 135.0 | 141.9 | 148.9 | 155.8 | 162.7 | 169.5 | 177.3 | 185.0 | 192.4 | 199.7 | 206.3 |
| -87.5° | 126.4 | 132.8 | 138.7 | 144.4 | 149.9 | 155.4 | 162.1 | 168.8 | 174.5 | 180.3 | 185.7 |
| -90° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 1.1 | 1.1 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|---------|---------|---------|----------|----------|----------|----------|
| 90° | 176.8 | 180.1 | 183.4 | 186.1 | 188.8 | 192.6 | 196.4 | 201.8 | 207.2 | 213.7 | 220.2 |
| 87.5° | 2.0 | 2.0 | 2.1 | 1.6 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.6 | 2.2 |
| 85° | 2.2 | 2.2 | 2.2 | 2.5 | 2.9 | 3.0 | 3.0 | 3.1 | 3.1 | 3.2 | 3.3 |
| 82.5° | 2.7 | 2.8 | 2.9 | 3.1 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 4.2 |
| 80° | 3.6 | 3.7 | 3.8 | 3.8 | 3.9 | 3.7 | 3.3 | 3.3 | 3.3 | 3.8 | 4.3 |
| 77.5° | 4.4 | 4.4 | 4.3 | 4.1 | 3.8 | 3.5 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 |
| 75° | 5.3 | 5.4 | 5.7 | 6.1 | 6.6 | 6.7 | 6.3 | 6.4 | 6.7 | 6.6 | 6.3 |
| 72.5° | 11.9 | 12.3 | 12.2 | 13.6 | 15.0 | 15.5 | 15.9 | 17.0 | 18.2 | 19.9 | 21.8 |
| 70° | 23.3 | 25.7 | 26.7 | 26.7 | 25.7 | 25.0 | 24.5 | 24.3 | 24.8 | 25.9 | 27.4 |
| 67.5° | 33.6 | 34.6 | 34.2 | 33.7 | 31.7 | 29.3 | 26.5 | 25.1 | 25.7 | 26.9 | 28.6 |
| 65° | 38.0 | 35.0 | 32.9 | 32.1 | 30.2 | 27.2 | 23.0 | 20.2 | 19.6 | 19.2 | 19.0 |
| 62.5° | 34.1 | 28.8 | 26.2 | 24.8 | 22.2 | 19.6 | 15.8 | 12.9 | 11.8 | 11.1 | 10.9 |
| 60° | 29.8 | 23.1 | 19.0 | 17.1 | 14.3 | 11.0 | 9.1 | 7.0 | 6.3 | 5.8 | 6.0 |
| 57.5° | 25.9 | 19.1 | 14.4 | 13.5 | 10.9 | 8.6 | 6.9 | 5.1 | 4.6 | 4.3 | 4.5 |
| 55° | 26.6 | 23.3 | 19.4 | 17.4 | 14.5 | 13.2 | 11.6 | 10.5 | 9.6 | 9.8 | 10.4 |
| 52.5° | 37.6 | 40.5 | 35.6 | 34.3 | 42.7 | 42.8 | 35.4 | 46.9 | 53.9 | 59.2 | 60.8 |
| 50° | 97.1 | 96.5 | 128.2 | 122.9 | 152.1 | 176.1 | 177.1 | 191.7 | 219.4 | 238.4 | 248.6 |
| 47.5° | 258.0 | 287.0 | 324.0 | 362.8 | 393.2 | 431.1 | 469.4 | 498.1 | 505.1 | 505.8 | 510.8 |
| 45° | 485.7 | 527.0 | 582.7 | 623.5 | 681.0 | 716.4 | 745.7 | 772.3 | 833.9 | 890.4 | 956.4 |
| 42.5° | 678.2 | 723.4 | 781.1 | 864.1 | 924.5 | 1086.0 | 1333.2 | 1393.9 | 1402.6 | 1452.9 | 1526.1 |
| 40° | 830.3 | 889.5 | 1017.6 | 1199.2 | 1586.3 | 1933.5 | 1996.1 | 2048.2 | 2071.2 | 2043.3 | 2093.0 |
| 37.5° | 1014.3 | 1153.1 | 1441.5 | 1938.3 | 2121.8 | 2216.4 | 2282.8 | 2322.8 | 2371.2 | 2416.1 | 2440.5 |
| 35° | 1319.8 | 1706.7 | 1959.5 | 2224.8 | 2344.8 | 2392.7 | 2441.5 | 2490.7 | 2528.8 | 2578.5 | 2618.1 |
| 32.5° | 1946.9 | 2377.7 | 2403.1 | 2468.6 | 2531.1 | 2593.5 | 2639.0 | 2685.9 | 2726.6 | 2790.8 | 2925.8 |
| 30° | 2578.7 | 2672.6 | 2695.5 | 2701.5 | 2758.6 | 2833.2 | 2872.7 | 2967.4 | 3095.1 | 3241.6 | 3553.3 |
| 27.5° | 2915.0 | 2979.6 | 2993.0 | 2999.4 | 3026.0 | 3114.3 | 3278.0 | 3407.1 | 3713.7 | 4085.8 | 4886.8 |
| 25° | 3324.4 | 3370.4 | 3419.1 | 3417.0 | 3457.5 | 3613.9 | 3934.0 | 4206.6 | 5242.2 | 6211.3 | 8299.1 |
| 22.5° | 3715.1 | 3854.1 | 3923.4 | 4016.2 | 4153.3 | 4437.9 | 4999.5 | 6577.0 | 9214.6 | 12580.6 | 16770.8 |
| 20° | 3986.6 | 4173.6 | 4360.0 | 4618.9 | 4950.3 | 5541.0 | 7295.4 | 12016.0 | 17653.4 | 25833.4 | 32694.4 |
| 17.5° | 4260.5 | 4471.8 | 4801.3 | 5200.8 | 5757.3 | 7741.0 | 12884.5 | 20899.8 | 32476.6 | 46998.9 | 59740.7 |
| 15° | 4617.6 | 4868.4 | 5309.6 | 5879.9 | 7435.0 | 11669.3 | 20249.6 | 34834.1 | 52433.2 | 72847.4 | 94261.7 |
| 12.5° | 4860.9 | 5206.3 | 5730.9 | 6467.4 | 9020.0 | 16950.3 | 30765.4 | 50759.2 | 74981.4 | 100703.8 | 134838.7 |
| 10° | 5040.7 | 5453.7 | 6166.2 | 7693.3 | 12321.7 | 22779.4 | 39380.8 | 64332.7 | 97540.7 | 136743.6 | 175769.9 |
| 7.5° | 5191.5 | 5747.8 | 6642.4 | 8566.6 | 15170.5 | 28355.0 | 49516.6 | 79844.6 | 119135.2 | 166372.8 | 211757.0 |
| 5° | 5327.1 | 6064.7 | 7100.5 | 9507.9 | 17723.0 | 32391.9 | 56257.1 | 91429.1 | 136928.0 | 188519.3 | 238626.6 |
| 2.5° | 5506.5 | 6361.3 | 7397.8 | 9767.0 | 18744.7 | 34628.7 | 61598.1 | 100783.4 | 149631.9 | 203902.4 | 258419.3 |
| 0° | 5755.7 | 6554.2 | 7579.5 | 9932.7 | 18426.8 | 36030.2 | 64871.5 | 105478.0 | 155199.1 | 210363.5 | 267542.7 |
| -2.5° | 5951.6 | 6665.3 | 7685.4 | 9799.2 | 18271.4 | 35371.0 | 63394.2 | 102741.4 | 149748.7 | 203053.4 | 260090.4 |
| -5° | 6078.2 | 6745.0 | 7731.8 | 9849.1 | 17879.4 | 32851.8 | 59030.9 | 95571.4 | 138649.4 | 186767.1 | 239509.2 |
| -7.5° | 6152.2 | 6774.2 | 7683.6 | 9535.1 | 16098.6 | 29419.8 | 51264.4 | 82355.3 | 120999.8 | 165525.3 | 209113.1 |
| -10° | 6196.6 | 6755.3 | 7583.0 | 9090.8 | 13541.2 | 23908.9 | 40472.0 | 66822.4 | 100305.7 | 136183.9 | 171837.0 |
| -12.5° | 6213.3 | 6715.4 | 7441.1 | 8454.4 | 10856.9 | 18717.7 | 32217.2 | 50918.2 | 75773.1 | 105204.1 | 136620.4 |
| -15° | 6180.6 | 6657.5 | 7304.0 | 8181.4 | 9779.7 | 14031.7 | 22480.6 | 35199.4 | 53725.4 | 76196.0 | 98961.8 |
| -17.5° | 6059.3 | 6597.6 | 7100.9 | 7774.5 | 8715.4 | 10720.6 | 15862.8 | 24026.5 | 35324.1 | 50176.9 | 63311.5 |
| -20° | 5898.4 | 6484.6 | 6915.6 | 7510.9 | 8249.7 | 9167.4 | 10816.5 | 15798.8 | 22133.7 | 30732.5 | 39305.1 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| -22.5° | 5755.2 | 6291.5 | 6833.4 | 7242.1 | 7820.6 | 8423.9 | 9168.6 | 10593.8 | 13777.0 | 18070.0 | 23504.5 |
| -25° | 5623.1 | 6114.0 | 6670.1 | 7112.0 | 7438.4 | 7864.9 | 8331.4 | 8830.7 | 9912.0 | 10925.7 | 13547.5 |
| -27.5° | 5437.1 | 5945.7 | 6427.9 | 6899.7 | 7214.1 | 7407.7 | 7725.6 | 8035.9 | 8488.7 | 8891.4 | 9661.4 |
| -30° | 5220.7 | 5718.3 | 6177.2 | 6605.7 | 6927.9 | 7131.5 | 7289.1 | 7502.5 | 7742.2 | 7986.0 | 8316.9 |
| -32.5° | 4449.6 | 5451.2 | 5878.3 | 6265.3 | 6597.6 | 6836.9 | 7003.9 | 7144.0 | 7282.4 | 7438.4 | 7612.8 |
| -35° | 3604.9 | 4594.1 | 5558.0 | 5859.7 | 6173.8 | 6490.6 | 6738.1 | 6870.4 | 6990.7 | 7100.1 | 7206.7 |
| -37.5° | 2930.9 | 3628.9 | 4494.0 | 5316.1 | 5697.8 | 6017.8 | 6315.2 | 6546.3 | 6715.1 | 6817.5 | 6913.5 |
| -40° | 2667.2 | 2844.0 | 3509.3 | 4186.4 | 4837.4 | 5428.6 | 5731.1 | 6072.6 | 6350.2 | 6500.7 | 6605.1 |
| -42.5° | 2604.1 | 2685.3 | 2747.4 | 3176.3 | 3694.3 | 4192.7 | 4744.3 | 5291.8 | 5721.5 | 6007.9 | 6221.0 |
| -45° | 2465.9 | 2582.8 | 2675.5 | 2713.7 | 2737.1 | 3100.5 | 3527.7 | 3945.8 | 4428.3 | 4926.7 | 5379.2 |
| -47.5° | 2270.2 | 2422.2 | 2526.8 | 2608.7 | 2657.7 | 2673.1 | 2703.2 | 2796.9 | 3147.3 | 3515.6 | 3866.3 |
| -50° | 2051.9 | 2191.2 | 2316.6 | 2430.5 | 2498.3 | 2553.3 | 2605.9 | 2656.4 | 2699.1 | 2753.0 | 2801.6 |
| -52.5° | 1832.1 | 1959.7 | 2072.5 | 2172.5 | 2262.4 | 2349.1 | 2432.5 | 2494.8 | 2555.7 | 2621.1 | 2674.2 |
| -55° | 1636.3 | 1739.8 | 1834.2 | 1922.0 | 2003.1 | 2076.4 | 2151.8 | 2232.3 | 2315.6 | 2397.2 | 2460.5 |
| -57.5° | 1427.0 | 1526.0 | 1615.4 | 1689.8 | 1755.1 | 1809.7 | 1879.0 | 1954.4 | 2032.8 | 2105.4 | 2160.6 |
| -60° | 1215.9 | 1303.4 | 1385.3 | 1457.3 | 1519.3 | 1570.2 | 1634.1 | 1698.0 | 1767.9 | 1830.0 | 1879.1 |
| -62.5° | 1015.4 | 1089.1 | 1158.7 | 1221.7 | 1278.0 | 1329.6 | 1386.4 | 1443.4 | 1509.1 | 1566.9 | 1613.9 |
| -65° | 848.8 | 906.0 | 953.6 | 998.3 | 1033.0 | 1077.7 | 1132.6 | 1185.3 | 1242.5 | 1292.6 | 1334.3 |
| -67.5° | 668.3 | 721.0 | 764.6 | 803.6 | 834.3 | 866.2 | 906.9 | 948.8 | 993.2 | 1033.0 | 1068.0 |
| -70° | 510.6 | 546.1 | 574.4 | 603.5 | 634.9 | 665.4 | 697.9 | 733.8 | 771.0 | 803.9 | 832.7 |
| -72.5° | 393.9 | 411.4 | 428.0 | 451.7 | 472.7 | 493.9 | 514.5 | 540.2 | 567.8 | 592.8 | 615.3 |
| -75° | 325.4 | 336.3 | 348.9 | 360.2 | 369.9 | 381.2 | 392.6 | 409.3 | 427.4 | 444.6 | 460.7 |
| -77.5° | 292.0 | 299.8 | 306.2 | 311.4 | 316.0 | 322.8 | 330.1 | 342.5 | 355.9 | 370.4 | 384.9 |
| -80° | 263.6 | 269.6 | 274.9 | 279.5 | 283.7 | 289.4 | 295.2 | 306.1 | 317.5 | 329.8 | 342.0 |
| -82.5° | 237.4 | 242.1 | 246.4 | 250.6 | 254.6 | 259.5 | 264.3 | 273.8 | 283.6 | 293.9 | 304.0 |
| -85° | 212.7 | 216.7 | 220.4 | 223.9 | 227.2 | 231.4 | 235.5 | 243.6 | 251.9 | 260.6 | 269.2 |
| -87.5° | 191.0 | 194.7 | 198.4 | 201.4 | 204.5 | 208.1 | 211.7 | 218.9 | 226.1 | 233.3 | 240.6 |
| -90° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 90° | 220.8 | 221.3 | 221.9 | 222.4 | 221.9 | 221.3 | 220.8 | 220.2 | 213.7 | 207.2 | 201.8 |
| 87.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.6 | 1.1 | 1.1 |
| 85° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.1 | 3.1 |
| 82.5° | 3.8 | 3.3 | 3.8 | 4.3 | 3.8 | 3.3 | 3.8 | 4.2 | 3.7 | 3.3 | 3.3 |
| 80° | 3.8 | 3.3 | 3.8 | 4.3 | 3.8 | 3.3 | 3.8 | 4.3 | 3.8 | 3.3 | 3.3 |
| 77.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.3 | 3.3 |
| 75° | 5.4 | 4.4 | 3.8 | 3.3 | 3.8 | 4.4 | 5.4 | 6.3 | 6.6 | 6.7 | 6.4 |
| 72.5° | 22.3 | 22.3 | 22.7 | 22.8 | 22.7 | 22.3 | 22.3 | 21.8 | 19.9 | 18.2 | 17.0 |
| 70° | 28.3 | 29.0 | 29.2 | 29.3 | 29.2 | 29.0 | 28.3 | 27.4 | 25.9 | 24.8 | 24.3 |
| 67.5° | 28.9 | 28.3 | 27.7 | 27.1 | 27.7 | 28.3 | 28.9 | 28.6 | 26.9 | 25.7 | 25.1 |
| 65° | 18.1 | 16.9 | 15.0 | 13.0 | 15.0 | 16.9 | 18.1 | 19.0 | 19.2 | 19.6 | 20.2 |
| 62.5° | 10.5 | 10.1 | 9.9 | 9.8 | 9.9 | 10.1 | 10.5 | 10.9 | 11.1 | 11.8 | 12.9 |
| 60° | 6.2 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.2 | 6.0 | 5.8 | 6.3 | 7.0 |
| 57.5° | 4.7 | 5.3 | 5.9 | 6.5 | 5.9 | 5.3 | 4.7 | 4.5 | 4.3 | 4.6 | 5.1 |
| 55° | 11.1 | 12.3 | 12.9 | 13.0 | 12.9 | 12.3 | 11.1 | 10.4 | 9.8 | 9.6 | 10.5 |
| 52.5° | 58.7 | 55.6 | 53.0 | 51.0 | 53.0 | 55.6 | 58.7 | 60.8 | 59.2 | 53.9 | 46.9 |
| 50° | 253.3 | 259.9 | 262.9 | 262.6 | 262.9 | 259.9 | 253.3 | 248.6 | 238.4 | 219.4 | 191.7 |
| 47.5° | 521.6 | 525.3 | 522.3 | 514.3 | 522.3 | 525.3 | 521.6 | 510.8 | 505.8 | 505.1 | 498.1 |
| 45° | 1037.0 | 992.1 | 912.3 | 841.9 | 912.3 | 992.1 | 1037.0 | 956.4 | 890.4 | 833.9 | 772.3 |
| 42.5° | 1623.3 | 1677.1 | 1717.4 | 1735.9 | 1717.4 | 1677.1 | 1623.3 | 1526.1 | 1452.9 | 1402.6 | 1393.9 |
| 40° | 2037.1 | 1979.7 | 1968.1 | 1976.8 | 1968.1 | 1979.7 | 2037.1 | 2093.0 | 2043.3 | 2071.2 | 2048.2 |
| 37.5° | 2446.6 | 2498.8 | 2537.5 | 2474.8 | 2537.5 | 2498.8 | 2446.6 | 2440.5 | 2416.1 | 2371.2 | 2322.8 |
| 35° | 2710.4 | 2896.1 | 3114.0 | 3180.0 | 3114.0 | 2896.1 | 2710.4 | 2618.1 | 2578.5 | 2528.8 | 2490.7 |
| 32.5° | 3151.6 | 3347.7 | 3432.6 | 3453.4 | 3432.6 | 3347.7 | 3151.6 | 2925.8 | 2790.8 | 2726.6 | 2685.9 |
| 30° | 3853.7 | 4049.5 | 4084.6 | 4113.1 | 4084.6 | 4049.5 | 3853.7 | 3553.3 | 3241.6 | 3095.1 | 2967.4 |
| 27.5° | 5418.5 | 5856.4 | 5960.3 | 6033.4 | 5960.3 | 5856.4 | 5418.5 | 4886.8 | 4085.8 | 3713.7 | 3407.1 |
| 25° | 9947.5 | 11086.7 | 11830.9 | 11758.7 | 11830.9 | 11086.7 | 9947.5 | 8299.1 | 6211.3 | 5242.2 | 4206.6 |
| 22.5° | 20969.3 | 23205.6 | 24399.0 | 24377.8 | 24399.0 | 23205.6 | 20969.3 | 16770.8 | 12580.6 | 9214.6 | 6577.0 |
| 20° | 42469.1 | 49086.2 | 52668.0 | 52260.0 | 52668.0 | 49086.2 | 42469.1 | 32694.4 | 25833.4 | 17653.4 | 12016.0 |
| 17.5° | 74052.4 | 86833.1 | 95762.0 | 96127.8 | 95762.0 | 86833.1 | 74052.4 | 59740.7 | 46998.9 | 32476.6 | 20899.8 |
| 15° | 114507.1 | 133470.5 | 146857.5 | 146855.9 | 146857.5 | 133470.5 | 114507.1 | 94261.7 | 72847.4 | 52433.2 | 34834.1 |
| 12.5° | 163742.9 | 186410.3 | 201727.2 | 204024.2 | 201727.2 | 186410.3 | 163742.9 | 134838.7 | 100703.8 | 74981.4 | 50759.2 |
| 10° | 210996.2 | 236671.6 | 259827.3 | 266202.7 | 259827.3 | 236671.6 | 210996.2 | 175769.9 | 136743.6 | 97540.7 | 64332.7 |
| 7.5° | 250992.3 | 291381.7 | 312474.3 | 319117.5 | 312474.3 | 291381.7 | 250992.3 | 211757.0 | 166372.8 | 119135.2 | 79844.6 |
| 5° | 290251.0 | 325211.4 | 342920.4 | 348047.2 | 342920.4 | 325211.4 | 290251.0 | 238626.6 | 188519.3 | 136928.0 | 91429.1 |
| 2.5° | 310902.2 | 342992.4 | 367882.8 | 382317.6 | 367882.8 | 342992.4 | 310902.2 | 258419.3 | 203902.4 | 149631.9 | 100783.4 |
| 0° | 318672.1 | 349160.4 | 382540.5 | 405276.2 | 382540.5 | 349160.4 | 318672.1 | 267542.7 | 210363.5 | 155199.1 | 105478.0 |
| -2.5° | 310900.5 | 340401.6 | 365000.6 | 376976.9 | 365000.6 | 340401.6 | 310900.5 | 260090.4 | 203053.4 | 149748.7 | 102741.4 |
| -5° | 287342.2 | 322042.1 | 339952.2 | 344486.4 | 339952.2 | 322042.1 | 287342.2 | 239509.2 | 186767.1 | 138649.4 | 95571.4 |
| -7.5° | 249716.3 | 283088.8 | 305047.7 | 309993.6 | 305047.7 | 283088.8 | 249716.3 | 209113.1 | 165525.3 | 120999.8 | 82355.3 |
| -10° | 207827.6 | 236333.4 | 251147.5 | 254810.8 | 251147.5 | 236333.4 | 207827.6 | 171837.0 | 136183.9 | 100305.7 | 66822.4 |
| -12.5° | 161486.7 | 182391.5 | 197513.6 | 199566.1 | 197513.6 | 182391.5 | 161486.7 | 136620.4 | 105204.1 | 75773.1 | 50918.2 |
| -15° | 120201.9 | 134027.3 | 146218.7 | 147619.7 | 146218.7 | 134027.3 | 120201.9 | 98961.8 | 76196.0 | 53725.4 | 35199.4 |
| -17.5° | 80529.1 | 91975.3 | 98796.7 | 100764.9 | 98796.7 | 91975.3 | 80529.1 | 63311.5 | 50176.9 | 35324.1 | 24026.5 |
| -20° | 48250.2 | 56440.8 | 60986.8 | 61157.7 | 60986.8 | 56440.8 | 48250.2 | 39305.1 | 30732.5 | 22133.7 | 15798.8 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 27992.4 | 32549.7 | 34955.0 | 34908.3 | 34955.0 | 32549.7 | 27992.4 | 23504.5 | 18070.0 | 13777.0 | 10593.8 |
| -25° | 16143.8 | 18139.2 | 18935.6 | 18963.9 | 18935.6 | 18139.2 | 16143.8 | 13547.5 | 10925.7 | 9912.0 | 8830.7 |
| -27.5° | 10279.4 | 10737.5 | 10921.0 | 10950.4 | 10921.0 | 10737.5 | 10279.4 | 9661.4 | 8891.4 | 8488.7 | 8035.9 |
| -30° | 8618.4 | 8886.4 | 9009.6 | 9044.2 | 9009.6 | 8886.4 | 8618.4 | 8316.9 | 7986.0 | 7742.2 | 7502.5 |
| -32.5° | 7776.5 | 7924.1 | 8023.7 | 8009.1 | 8023.7 | 7924.1 | 7776.5 | 7612.8 | 7438.4 | 7282.4 | 7144.0 |
| -35° | 7311.0 | 7402.4 | 7458.3 | 7485.1 | 7458.3 | 7402.4 | 7311.0 | 7206.7 | 7100.1 | 6990.7 | 6870.4 |
| -37.5° | 7009.1 | 7090.8 | 7143.8 | 7159.6 | 7143.8 | 7090.8 | 7009.1 | 6913.5 | 6817.5 | 6715.1 | 6546.3 |
| -40° | 6695.0 | 6763.0 | 6806.5 | 6822.2 | 6806.5 | 6763.0 | 6695.0 | 6605.1 | 6500.7 | 6350.2 | 6072.6 |
| -42.5° | 6356.0 | 6429.1 | 6463.8 | 6464.1 | 6463.8 | 6429.1 | 6356.0 | 6221.0 | 6007.9 | 5721.5 | 5291.8 |
| -45° | 5750.4 | 5975.2 | 6087.9 | 6093.1 | 6087.9 | 5975.2 | 5750.4 | 5379.2 | 4926.7 | 4428.3 | 3945.8 |
| -47.5° | 4185.4 | 4407.6 | 4586.2 | 4718.5 | 4586.2 | 4407.6 | 4185.4 | 3866.3 | 3515.6 | 3147.3 | 2796.9 |
| -50° | 2844.1 | 2858.7 | 2859.6 | 2846.9 | 2859.6 | 2858.7 | 2844.1 | 2801.6 | 2753.0 | 2699.1 | 2656.4 |
| -52.5° | 2715.7 | 2730.9 | 2742.0 | 2748.2 | 2742.0 | 2730.9 | 2715.7 | 2674.2 | 2621.1 | 2555.7 | 2494.8 |
| -55° | 2507.2 | 2526.4 | 2534.3 | 2531.2 | 2534.3 | 2526.4 | 2507.2 | 2460.5 | 2397.2 | 2315.6 | 2232.3 |
| -57.5° | 2197.6 | 2210.3 | 2216.1 | 2214.4 | 2216.1 | 2210.3 | 2197.6 | 2160.6 | 2105.4 | 2032.8 | 1954.4 |
| -60° | 1909.1 | 1918.5 | 1924.0 | 1923.6 | 1924.0 | 1918.5 | 1909.1 | 1879.1 | 1830.0 | 1767.9 | 1698.0 |
| -62.5° | 1640.3 | 1648.7 | 1654.8 | 1655.6 | 1654.8 | 1648.7 | 1640.3 | 1613.9 | 1566.9 | 1509.1 | 1443.4 |
| -65° | 1355.3 | 1361.6 | 1365.7 | 1364.9 | 1365.7 | 1361.6 | 1355.3 | 1334.3 | 1292.6 | 1242.5 | 1185.3 |
| -67.5° | 1083.3 | 1087.9 | 1091.6 | 1091.5 | 1091.6 | 1087.9 | 1083.3 | 1068.0 | 1033.0 | 993.2 | 948.8 |
| -70° | 841.9 | 842.3 | 844.1 | 843.0 | 844.1 | 842.3 | 841.9 | 832.7 | 803.9 | 771.0 | 733.8 |
| -72.5° | 620.5 | 619.9 | 619.6 | 617.3 | 619.6 | 619.9 | 620.5 | 615.3 | 592.8 | 567.8 | 540.2 |
| -75° | 462.3 | 460.7 | 459.2 | 456.8 | 459.2 | 460.7 | 462.3 | 460.7 | 444.6 | 427.4 | 409.3 |
| -77.5° | 386.5 | 386.5 | 383.9 | 380.8 | 383.9 | 386.5 | 386.5 | 384.9 | 370.4 | 355.9 | 342.5 |
| -80° | 342.6 | 342.3 | 341.1 | 339.6 | 341.1 | 342.3 | 342.6 | 342.0 | 329.8 | 317.5 | 306.1 |
| -82.5° | 305.1 | 305.6 | 305.4 | 304.9 | 305.4 | 305.6 | 305.1 | 304.0 | 293.9 | 283.6 | 273.8 |
| -85° | 270.2 | 271.0 | 270.6 | 270.2 | 270.6 | 271.0 | 270.2 | 269.2 | 260.6 | 251.9 | 243.6 |
| -87.5° | 241.2 | 241.8 | 241.9 | 241.9 | 241.9 | 241.8 | 241.2 | 240.6 | 233.3 | 226.1 | 218.9 |
| -90° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 196.4 | 192.6 | 188.8 | 186.1 | 183.4 | 180.1 | 176.8 | 172.0 | 167.1 | 162.2 | 157.3 |
| 87.5° | 1.1 | 1.1 | 1.1 | 1.6 | 2.1 | 2.0 | 2.0 | 2.0 | 1.9 | 2.1 | 2.2 |
| 85° | 3.0 | 3.0 | 2.9 | 2.5 | 2.2 | 2.2 | 2.2 | 2.5 | 2.8 | 2.7 | 2.7 |
| 82.5° | 3.3 | 3.3 | 3.3 | 3.1 | 2.9 | 2.8 | 2.7 | 3.0 | 3.3 | 3.3 | 3.3 |
| 80° | 3.3 | 3.7 | 3.9 | 3.8 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.4 |
| 77.5° | 3.3 | 3.5 | 3.8 | 4.1 | 4.3 | 4.4 | 4.4 | 4.3 | 4.2 | 4.4 | 4.5 |
| 75° | 6.3 | 6.7 | 6.6 | 6.1 | 5.7 | 5.4 | 5.3 | 5.1 | 5.0 | 5.2 | 5.4 |
| 72.5° | 15.9 | 15.5 | 15.0 | 13.6 | 12.2 | 12.3 | 11.9 | 10.8 | 9.0 | 6.7 | 5.4 |
| 70° | 24.5 | 25.0 | 25.7 | 26.7 | 26.7 | 25.7 | 23.3 | 20.6 | 17.7 | 14.6 | 11.2 |
| 67.5° | 26.5 | 29.3 | 31.7 | 33.7 | 34.2 | 34.6 | 33.6 | 32.0 | 31.5 | 28.8 | 20.8 |
| 65° | 23.0 | 27.2 | 30.2 | 32.1 | 32.9 | 35.0 | 38.0 | 38.5 | 41.7 | 42.1 | 34.4 |
| 62.5° | 15.8 | 19.6 | 22.2 | 24.8 | 26.2 | 28.8 | 34.1 | 39.7 | 47.7 | 51.0 | 44.1 |
| 60° | 9.1 | 11.0 | 14.3 | 17.1 | 19.0 | 23.1 | 29.8 | 38.6 | 49.1 | 50.4 | 48.6 |
| 57.5° | 6.9 | 8.6 | 10.9 | 13.5 | 14.4 | 19.1 | 25.9 | 36.3 | 46.9 | 48.9 | 46.0 |
| 55° | 11.6 | 13.2 | 14.5 | 17.4 | 19.4 | 23.3 | 26.6 | 35.2 | 45.6 | 49.8 | 50.1 |
| 52.5° | 35.4 | 42.8 | 42.7 | 34.3 | 35.6 | 40.5 | 37.6 | 44.4 | 51.2 | 57.0 | 59.2 |
| 50° | 177.1 | 176.1 | 152.1 | 122.9 | 128.2 | 96.5 | 97.1 | 85.7 | 76.1 | 78.9 | 75.9 |
| 47.5° | 469.4 | 431.1 | 393.2 | 362.8 | 324.0 | 287.0 | 258.0 | 203.7 | 187.4 | 132.8 | 131.5 |
| 45° | 745.7 | 716.4 | 681.0 | 623.5 | 582.7 | 527.0 | 485.7 | 431.5 | 366.9 | 312.3 | 222.5 |
| 42.5° | 1333.2 | 1086.0 | 924.5 | 864.1 | 781.1 | 723.4 | 678.2 | 631.5 | 583.4 | 514.8 | 431.3 |
| 40° | 1996.1 | 1933.5 | 1586.3 | 1199.2 | 1017.6 | 889.5 | 830.3 | 789.4 | 764.6 | 711.9 | 632.3 |
| 37.5° | 2282.8 | 2216.4 | 2121.8 | 1938.3 | 1441.5 | 1153.1 | 1014.3 | 934.9 | 928.6 | 879.9 | 809.3 |
| 35° | 2441.5 | 2392.7 | 2344.8 | 2224.8 | 1959.5 | 1706.7 | 1319.8 | 1134.5 | 1044.9 | 1023.9 | 966.0 |
| 32.5° | 2639.0 | 2593.5 | 2531.1 | 2468.6 | 2403.1 | 2377.7 | 1946.9 | 1493.8 | 1190.3 | 1131.0 | 1079.9 |
| 30° | 2872.7 | 2833.2 | 2758.6 | 2701.5 | 2695.5 | 2672.6 | 2578.7 | 2026.6 | 1535.8 | 1224.0 | 1188.7 |
| 27.5° | 3278.0 | 3114.3 | 3026.0 | 2999.4 | 2993.0 | 2979.6 | 2915.0 | 2654.8 | 1945.2 | 1483.8 | 1281.6 |
| 25° | 3934.0 | 3613.9 | 3457.5 | 3417.0 | 3419.1 | 3370.4 | 3324.4 | 3109.5 | 2580.6 | 1798.2 | 1377.7 |
| 22.5° | 4999.5 | 4437.9 | 4153.3 | 4016.2 | 3923.4 | 3854.1 | 3715.1 | 3514.4 | 3239.8 | 2249.0 | 1646.4 |
| 20° | 7295.4 | 5541.0 | 4950.3 | 4618.9 | 4360.0 | 4173.6 | 3986.6 | 3802.1 | 3493.2 | 2796.5 | 1929.8 |
| 17.5° | 12884.5 | 7741.0 | 5757.3 | 5200.8 | 4801.3 | 4471.8 | 4260.5 | 4024.6 | 3720.4 | 3230.0 | 2168.9 |
| 15° | 20249.6 | 11669.3 | 7435.0 | 5879.9 | 5309.6 | 4868.4 | 4617.6 | 4316.6 | 3995.4 | 3499.3 | 2519.5 |
| 12.5° | 30765.4 | 16950.3 | 9020.0 | 6467.4 | 5730.9 | 5206.3 | 4860.9 | 4613.5 | 4266.3 | 3780.3 | 2944.5 |
| 10° | 39380.8 | 22779.4 | 12321.7 | 7693.3 | 6166.2 | 5453.7 | 5040.7 | 4773.8 | 4459.1 | 4037.5 | 3341.5 |
| 7.5° | 49516.6 | 28355.0 | 15170.5 | 8566.6 | 6642.4 | 5747.8 | 5191.5 | 4886.9 | 4586.5 | 4138.5 | 3558.8 |
| 5° | 56257.1 | 32391.9 | 17723.0 | 9507.9 | 7100.5 | 6064.7 | 5327.1 | 4968.3 | 4650.1 | 4170.4 | 3705.0 |
| 2.5° | 61598.1 | 34628.7 | 18744.7 | 9767.0 | 7397.8 | 6361.3 | 5506.5 | 5069.5 | 4695.4 | 4209.1 | 3816.4 |
| 0° | 64871.5 | 36030.2 | 18426.8 | 9932.7 | 7579.5 | 6554.2 | 5755.7 | 5181.7 | 4715.2 | 4233.5 | 3876.5 |
| -2.5° | 63394.2 | 35371.0 | 18271.4 | 9799.2 | 7685.4 | 6665.3 | 5951.6 | 5433.7 | 4824.7 | 4269.0 | 3902.3 |
| -5° | 59030.9 | 32851.8 | 17879.4 | 9849.1 | 7731.8 | 6745.0 | 6078.2 | 5593.7 | 4925.7 | 4311.5 | 3878.2 |
| -7.5° | 51264.4 | 29419.8 | 16098.6 | 9535.1 | 7683.6 | 6774.2 | 6152.2 | 5674.3 | 5052.5 | 4444.4 | 3850.6 |
| -10° | 40472.0 | 23908.9 | 13541.2 | 9090.8 | 7583.0 | 6755.3 | 6196.6 | 5680.9 | 5101.0 | 4540.4 | 3757.2 |
| -12.5° | 32217.2 | 18717.7 | 10856.9 | 8454.4 | 7441.1 | 6715.4 | 6213.3 | 5639.8 | 5119.2 | 4629.0 | 3645.0 |
| -15° | 22480.6 | 14031.7 | 9779.7 | 8181.4 | 7304.0 | 6657.5 | 6180.6 | 5562.6 | 5100.0 | 4668.5 | 3436.8 |
| -17.5° | 15862.8 | 10720.6 | 8715.4 | 7774.5 | 7100.9 | 6597.6 | 6059.3 | 5503.7 | 5041.2 | 4456.2 | 3115.9 |
| -20° | 10816.5 | 9167.4 | 8249.7 | 7510.9 | 6915.6 | 6484.6 | 5898.4 | 5416.2 | 4925.5 | 4011.6 | 2881.1 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 9168.6 | 8423.9 | 7820.6 | 7242.1 | 6833.4 | 6291.5 | 5755.2 | 5284.5 | 4756.1 | 3507.7 | 2622.3 |
| -25° | 8331.4 | 7864.9 | 7438.4 | 7112.0 | 6670.1 | 6114.0 | 5623.1 | 5075.2 | 4181.8 | 3091.2 | 2383.8 |
| -27.5° | 7725.6 | 7407.7 | 7214.1 | 6899.7 | 6427.9 | 5945.7 | 5437.1 | 4757.2 | 3525.1 | 2752.6 | 2390.5 |
| -30° | 7289.1 | 7131.5 | 6927.9 | 6605.7 | 6177.2 | 5718.3 | 5220.7 | 4067.5 | 3076.9 | 2487.6 | 2381.8 |
| -32.5° | 7003.9 | 6836.9 | 6597.6 | 6265.3 | 5878.3 | 5451.2 | 4449.6 | 3418.2 | 2663.8 | 2470.8 | 2325.8 |
| -35° | 6738.1 | 6490.6 | 6173.8 | 5859.7 | 5558.0 | 4594.1 | 3604.9 | 2862.3 | 2555.6 | 2431.3 | 2249.4 |
| -37.5° | 6315.2 | 6017.8 | 5697.8 | 5316.1 | 4494.0 | 3628.9 | 2930.9 | 2624.8 | 2516.2 | 2344.4 | 2135.9 |
| -40° | 5731.1 | 5428.6 | 4837.4 | 4186.4 | 3509.3 | 2844.0 | 2667.2 | 2582.8 | 2417.3 | 2228.6 | 1999.0 |
| -42.5° | 4744.3 | 4192.7 | 3694.3 | 3176.3 | 2747.4 | 2685.3 | 2604.1 | 2460.7 | 2286.2 | 2071.0 | 1854.5 |
| -45° | 3527.7 | 3100.5 | 2737.1 | 2713.7 | 2675.5 | 2582.8 | 2465.9 | 2300.3 | 2109.3 | 1906.2 | 1701.5 |
| -47.5° | 2703.2 | 2673.1 | 2657.7 | 2608.7 | 2526.8 | 2422.2 | 2270.2 | 2106.8 | 1922.4 | 1735.8 | 1560.6 |
| -50° | 2605.9 | 2553.3 | 2498.3 | 2430.5 | 2316.6 | 2191.2 | 2051.9 | 1898.4 | 1736.1 | 1579.6 | 1414.3 |
| -52.5° | 2432.5 | 2349.1 | 2262.4 | 2172.5 | 2072.5 | 1959.7 | 1832.1 | 1705.1 | 1567.8 | 1415.5 | 1262.5 |
| -55° | 2151.8 | 2076.4 | 2003.1 | 1922.0 | 1834.2 | 1739.8 | 1636.3 | 1516.0 | 1381.2 | 1241.1 | 1111.2 |
| -57.5° | 1879.0 | 1809.7 | 1755.1 | 1689.8 | 1615.4 | 1526.0 | 1427.0 | 1310.0 | 1191.0 | 1073.8 | 960.6 |
| -60° | 1634.1 | 1570.2 | 1519.3 | 1457.3 | 1385.3 | 1303.4 | 1215.9 | 1116.5 | 1008.8 | 921.6 | 836.0 |
| -62.5° | 1386.4 | 1329.6 | 1278.0 | 1221.7 | 1158.7 | 1089.1 | 1015.4 | 944.4 | 864.3 | 784.5 | 701.4 |
| -65° | 1132.6 | 1077.7 | 1033.0 | 998.3 | 953.6 | 906.0 | 848.8 | 785.7 | 711.2 | 637.9 | 561.7 |
| -67.5° | 906.9 | 866.2 | 834.3 | 803.6 | 764.6 | 721.0 | 668.3 | 611.8 | 557.5 | 503.7 | 444.1 |
| -70° | 697.9 | 665.4 | 634.9 | 603.5 | 574.4 | 546.1 | 510.6 | 470.1 | 424.6 | 388.9 | 356.6 |
| -72.5° | 514.5 | 493.9 | 472.7 | 451.7 | 428.0 | 411.4 | 393.9 | 372.1 | 347.2 | 319.6 | 295.9 |
| -75° | 392.6 | 381.2 | 369.9 | 360.2 | 348.9 | 336.3 | 325.4 | 313.1 | 299.9 | 285.1 | 270.3 |
| -77.5° | 330.1 | 322.8 | 316.0 | 311.4 | 306.2 | 299.8 | 292.0 | 281.9 | 271.6 | 259.3 | 247.3 |
| -80° | 295.2 | 289.4 | 283.7 | 279.5 | 274.9 | 269.6 | 263.6 | 255.1 | 246.1 | 235.8 | 225.6 |
| -82.5° | 264.3 | 259.5 | 254.6 | 250.6 | 246.4 | 242.1 | 237.4 | 230.0 | 222.4 | 213.6 | 204.8 |
| -85° | 235.5 | 231.4 | 227.2 | 223.9 | 220.4 | 216.7 | 212.7 | 206.3 | 199.7 | 192.4 | 185.0 |
| -87.5° | 211.7 | 208.1 | 204.5 | 201.4 | 198.4 | 194.7 | 191.0 | 185.7 | 180.3 | 174.5 | 168.8 |
| -90° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.7 | 2.2 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 90° | 150.8 | 144.3 | 139.4 | 134.5 | 129.1 | 123.7 | 117.8 | 111.8 | 104.2 | 96.6 | 87.4 |
| 87.5° | 2.2 | 2.2 | 2.5 | 2.8 | 2.8 | 2.7 | 2.7 | 2.7 | 2.8 | 2.9 | 3.2 |
| 85° | 2.6 | 2.5 | 2.9 | 3.3 | 3.3 | 3.3 | 3.2 | 3.1 | 3.4 | 3.6 | 3.7 |
| 82.5° | 3.3 | 3.2 | 3.2 | 3.3 | 3.6 | 3.8 | 3.7 | 3.6 | 4.0 | 4.3 | 4.1 |
| 80° | 3.7 | 3.9 | 3.7 | 3.6 | 3.9 | 4.3 | 4.1 | 4.1 | 4.4 | 4.7 | 4.6 |
| 77.5° | 4.5 | 4.5 | 4.3 | 4.2 | 4.2 | 4.4 | 4.5 | 4.5 | 4.9 | 5.1 | 5.2 |
| 75° | 5.4 | 5.0 | 4.5 | 4.5 | 4.6 | 4.5 | 4.8 | 5.1 | 5.5 | 5.6 | 5.7 |
| 72.5° | 5.4 | 5.4 | 4.9 | 4.8 | 5.5 | 5.7 | 5.7 | 5.7 | 6.3 | 6.5 | 6.4 |
| 70° | 8.2 | 6.4 | 6.0 | 6.2 | 6.6 | 7.0 | 7.1 | 7.2 | 7.1 | 7.5 | 7.5 |
| 67.5° | 13.1 | 10.8 | 9.0 | 7.9 | 7.9 | 8.4 | 8.6 | 9.0 | 9.0 | 8.6 | 8.7 |
| 65° | 25.2 | 18.2 | 12.8 | 11.3 | 10.0 | 9.9 | 10.2 | 11.0 | 11.1 | 10.8 | 9.9 |
| 62.5° | 36.2 | 28.1 | 21.5 | 16.2 | 13.5 | 13.5 | 12.0 | 13.3 | 13.3 | 13.3 | 12.0 |
| 60° | 46.1 | 37.6 | 31.1 | 25.6 | 20.6 | 18.2 | 17.1 | 15.9 | 16.2 | 15.8 | 14.5 |
| 57.5° | 46.4 | 45.8 | 42.8 | 36.2 | 31.6 | 26.5 | 23.7 | 21.5 | 19.5 | 19.2 | 17.2 |
| 55° | 47.2 | 47.8 | 53.5 | 49.6 | 44.9 | 38.0 | 33.1 | 29.1 | 24.4 | 23.2 | 20.0 |
| 52.5° | 56.4 | 58.0 | 62.5 | 65.5 | 62.0 | 52.4 | 47.3 | 37.4 | 33.6 | 27.4 | 24.0 |
| 50° | 72.3 | 78.0 | 78.6 | 84.1 | 81.3 | 74.9 | 62.7 | 52.6 | 43.7 | 33.5 | 28.3 |
| 47.5° | 112.8 | 118.0 | 108.0 | 110.7 | 105.6 | 100.9 | 86.2 | 70.8 | 54.6 | 43.6 | 32.8 |
| 45° | 214.6 | 184.6 | 167.3 | 152.8 | 139.8 | 134.3 | 114.5 | 91.0 | 73.2 | 54.3 | 37.5 |
| 42.5° | 347.8 | 302.8 | 267.8 | 203.4 | 195.9 | 173.5 | 148.6 | 122.0 | 93.3 | 65.4 | 45.2 |
| 40° | 535.7 | 449.8 | 390.4 | 321.8 | 265.2 | 217.9 | 192.6 | 156.9 | 114.8 | 79.5 | 55.2 |
| 37.5° | 712.6 | 602.9 | 527.3 | 444.0 | 352.5 | 290.4 | 240.9 | 194.3 | 140.3 | 99.1 | 65.4 |
| 35° | 854.8 | 745.9 | 643.5 | 557.5 | 464.8 | 363.2 | 292.9 | 236.1 | 173.2 | 119.6 | 75.9 |
| 32.5° | 983.8 | 868.0 | 751.9 | 655.0 | 554.4 | 434.1 | 353.4 | 277.6 | 206.3 | 140.8 | 86.8 |
| 30° | 1098.1 | 987.4 | 855.2 | 735.1 | 628.2 | 508.4 | 410.8 | 316.4 | 239.5 | 162.6 | 99.4 |
| 27.5° | 1222.8 | 1111.1 | 960.0 | 822.2 | 693.2 | 573.0 | 456.5 | 352.5 | 272.5 | 184.7 | 116.0 |
| 25° | 1340.1 | 1226.5 | 1076.7 | 919.9 | 758.8 | 624.5 | 499.2 | 386.1 | 303.5 | 207.1 | 131.6 |
| 22.5° | 1418.7 | 1323.7 | 1183.9 | 1023.3 | 831.2 | 674.7 | 540.9 | 422.7 | 324.5 | 227.6 | 146.3 |
| 20° | 1482.1 | 1409.1 | 1278.6 | 1101.5 | 909.9 | 734.1 | 582.6 | 452.2 | 344.0 | 246.2 | 160.0 |
| 17.5° | 1572.5 | 1478.1 | 1345.8 | 1167.2 | 982.1 | 794.0 | 622.8 | 479.9 | 362.0 | 262.8 | 172.6 |
| 15° | 1794.7 | 1538.6 | 1411.2 | 1229.0 | 1037.8 | 845.0 | 661.9 | 506.2 | 378.3 | 277.4 | 184.1 |
| 12.5° | 2025.1 | 1597.3 | 1474.4 | 1282.6 | 1078.9 | 888.7 | 699.4 | 530.7 | 392.8 | 292.4 | 194.2 |
| 10° | 2241.4 | 1648.4 | 1533.2 | 1331.4 | 1114.6 | 925.4 | 734.8 | 557.5 | 414.6 | 307.7 | 203.3 |
| 7.5° | 2424.3 | 1695.0 | 1588.5 | 1375.6 | 1146.9 | 958.5 | 770.5 | 590.9 | 436.5 | 321.8 | 211.4 |
| 5° | 2578.7 | 1737.8 | 1642.2 | 1430.0 | 1185.1 | 989.1 | 802.1 | 621.9 | 457.1 | 334.5 | 218.4 |
| 2.5° | 2683.9 | 1776.6 | 1690.6 | 1480.8 | 1218.5 | 1014.5 | 829.0 | 650.0 | 475.9 | 345.5 | 224.2 |
| 0° | 2753.6 | 1811.9 | 1731.6 | 1524.4 | 1246.6 | 1035.0 | 851.7 | 674.8 | 492.6 | 354.8 | 228.9 |
| -2.5° | 2775.5 | 1848.7 | 1765.3 | 1561.3 | 1291.5 | 1062.3 | 868.3 | 686.4 | 503.9 | 365.2 | 236.7 |
| -5° | 2759.9 | 1882.6 | 1792.6 | 1590.7 | 1329.0 | 1084.3 | 880.5 | 694.2 | 512.8 | 373.5 | 243.2 |
| -7.5° | 2712.9 | 1920.8 | 1815.5 | 1612.6 | 1357.9 | 1100.1 | 888.2 | 698.4 | 519.1 | 379.7 | 248.2 |
| -10° | 2632.4 | 1959.0 | 1833.8 | 1620.9 | 1362.4 | 1108.3 | 891.8 | 699.0 | 523.0 | 383.5 | 251.7 |
| -12.5° | 2531.2 | 1994.1 | 1845.3 | 1619.4 | 1357.0 | 1110.0 | 894.9 | 697.4 | 524.1 | 384.9 | 253.6 |
| -15° | 2401.8 | 2038.3 | 1859.8 | 1609.4 | 1345.0 | 1106.5 | 892.1 | 692.1 | 520.8 | 382.6 | 253.7 |
| -17.5° | 2232.2 | 2079.4 | 1869.1 | 1596.4 | 1328.5 | 1098.1 | 883.2 | 681.8 | 514.7 | 376.4 | 251.5 |
| -20° | 2227.9 | 2097.3 | 1864.1 | 1571.5 | 1304.9 | 1082.7 | 867.8 | 666.6 | 505.6 | 367.9 | 247.2 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| -22.5° | 2259.0 | 2089.9 | 1834.7 | 1538.4 | 1276.6 | 1060.9 | 847.5 | 646.6 | 493.6 | 357.3 | 241.4 |
| -25° | 2276.1 | 2075.9 | 1793.7 | 1502.9 | 1247.6 | 1033.3 | 823.7 | 625.6 | 478.5 | 344.4 | 234.1 |
| -27.5° | 2248.3 | 2034.2 | 1740.2 | 1455.4 | 1214.6 | 1000.4 | 796.2 | 610.6 | 464.8 | 329.3 | 225.3 |
| -30° | 2200.8 | 1955.3 | 1674.8 | 1400.4 | 1171.9 | 962.4 | 763.8 | 592.5 | 449.8 | 317.1 | 215.0 |
| -32.5° | 2130.0 | 1870.5 | 1600.9 | 1347.6 | 1123.2 | 918.6 | 727.1 | 570.8 | 432.2 | 306.7 | 208.3 |
| -35° | 2018.4 | 1774.9 | 1521.6 | 1288.1 | 1069.3 | 873.9 | 692.1 | 545.6 | 412.3 | 293.5 | 202.5 |
| -37.5° | 1897.8 | 1665.1 | 1448.4 | 1223.5 | 1012.8 | 825.2 | 661.1 | 519.0 | 389.9 | 277.6 | 196.0 |
| -40° | 1771.5 | 1554.2 | 1354.1 | 1153.8 | 954.6 | 772.6 | 625.8 | 489.1 | 368.1 | 259.0 | 188.2 |
| -42.5° | 1639.1 | 1445.7 | 1256.7 | 1072.6 | 891.3 | 728.4 | 586.1 | 454.4 | 342.0 | 245.0 | 179.0 |
| -45° | 1515.3 | 1332.0 | 1153.7 | 986.7 | 823.7 | 679.0 | 542.1 | 416.1 | 312.9 | 232.9 | 172.0 |
| -47.5° | 1385.0 | 1213.9 | 1050.2 | 895.2 | 762.1 | 624.1 | 492.6 | 380.6 | 281.7 | 219.0 | 169.3 |
| -50° | 1250.9 | 1093.7 | 944.8 | 812.2 | 690.4 | 563.0 | 441.0 | 342.2 | 263.0 | 202.7 | 165.9 |
| -52.5° | 1114.9 | 972.9 | 846.2 | 729.8 | 613.0 | 496.5 | 393.1 | 302.5 | 243.0 | 193.7 | 162.0 |
| -55° | 977.6 | 862.3 | 752.7 | 641.5 | 531.3 | 434.4 | 341.5 | 277.3 | 221.5 | 187.8 | 157.6 |
| -57.5° | 859.9 | 757.8 | 651.9 | 547.8 | 456.1 | 371.2 | 302.9 | 250.8 | 210.8 | 181.3 | 154.6 |
| -60° | 743.2 | 642.8 | 545.1 | 463.0 | 384.9 | 320.0 | 272.1 | 228.9 | 202.8 | 174.8 | 150.9 |
| -62.5° | 612.8 | 526.4 | 453.8 | 382.5 | 328.1 | 283.0 | 243.6 | 218.0 | 194.0 | 169.6 | 146.6 |
| -65° | 494.0 | 427.8 | 365.9 | 325.1 | 284.5 | 250.4 | 229.8 | 206.4 | 186.0 | 163.9 | 142.1 |
| -67.5° | 384.4 | 348.6 | 312.5 | 275.8 | 253.6 | 234.8 | 215.2 | 196.7 | 178.2 | 157.8 | 137.4 |
| -70° | 323.2 | 290.7 | 269.4 | 252.9 | 236.3 | 219.3 | 204.0 | 187.6 | 170.1 | 151.8 | 132.4 |
| -72.5° | 279.6 | 264.0 | 248.8 | 233.8 | 220.4 | 206.7 | 193.0 | 178.3 | 162.1 | 145.4 | 127.2 |
| -75° | 255.9 | 242.8 | 230.1 | 217.7 | 205.7 | 193.7 | 181.7 | 168.5 | 153.7 | 138.7 | 121.5 |
| -77.5° | 235.5 | 223.8 | 212.5 | 201.8 | 191.8 | 181.5 | 170.2 | 158.3 | 145.1 | 131.5 | 115.5 |
| -80° | 215.5 | 205.5 | 196.1 | 187.0 | 178.2 | 169.1 | 158.5 | 148.0 | 136.1 | 123.9 | 109.3 |
| -82.5° | 196.0 | 187.3 | 179.5 | 171.7 | 163.7 | 155.6 | 146.6 | 137.6 | 126.9 | 116.0 | 103.4 |
| -85° | 177.3 | 169.5 | 162.7 | 155.8 | 148.9 | 141.9 | 135.0 | 128.0 | 118.9 | 109.6 | 98.2 |
| -87.5° | 162.1 | 155.4 | 149.9 | 144.4 | 138.7 | 132.8 | 126.4 | 120.0 | 111.6 | 103.2 | 92.8 |
| -90° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.8 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| 90° | 78.1 | 65.6 | 53.2 | 38.5 | 23.9 | 13.6 | 3.3 |
| 87.5° | 3.6 | 3.6 | 3.7 | 3.6 | 3.5 | 3.6 | 3.3 |
| 85° | 3.8 | 4.0 | 4.0 | 3.8 | 3.7 | 3.8 | 3.3 |
| 82.5° | 4.1 | 4.3 | 4.4 | 4.1 | 3.9 | 4.1 | 3.3 |
| 80° | 4.4 | 4.7 | 4.8 | 4.4 | 4.1 | 4.3 | 3.3 |
| 77.5° | 5.0 | 5.1 | 5.1 | 4.7 | 4.3 | 4.6 | 3.3 |
| 75° | 5.6 | 5.7 | 5.5 | 4.9 | 4.5 | 4.9 | 3.3 |
| 72.5° | 6.3 | 6.4 | 6.1 | 5.2 | 4.8 | 5.1 | 3.3 |
| 70° | 7.0 | 7.0 | 6.7 | 5.5 | 5.0 | 5.4 | 3.3 |
| 67.5° | 8.4 | 7.7 | 7.4 | 6.2 | 5.3 | 5.7 | 3.3 |
| 65° | 9.8 | 8.8 | 8.1 | 6.8 | 5.7 | 5.9 | 3.3 |
| 62.5° | 11.2 | 10.2 | 8.8 | 7.5 | 6.0 | 6.2 | 3.3 |
| 60° | 12.8 | 11.7 | 9.5 | 8.2 | 6.4 | 6.5 | 3.3 |
| 57.5° | 15.2 | 13.3 | 11.0 | 8.8 | 7.1 | 6.8 | 3.3 |
| 55° | 17.7 | 14.9 | 12.5 | 9.5 | 7.9 | 7.1 | 3.3 |
| 52.5° | 20.3 | 16.6 | 14.0 | 10.2 | 8.7 | 7.4 | 3.3 |
| 50° | 23.0 | 19.1 | 15.6 | 11.0 | 9.5 | 7.7 | 3.3 |
| 47.5° | 25.8 | 21.6 | 17.2 | 11.8 | 10.3 | 8.0 | 3.3 |
| 45° | 29.9 | 24.2 | 18.9 | 13.1 | 11.1 | 8.3 | 3.3 |
| 42.5° | 34.0 | 26.9 | 20.6 | 14.3 | 11.9 | 8.6 | 3.3 |
| 40° | 38.5 | 29.7 | 22.5 | 15.9 | 12.8 | 8.9 | 3.3 |
| 37.5° | 43.4 | 32.5 | 24.7 | 17.7 | 13.7 | 9.2 | 3.3 |
| 35° | 48.4 | 36.1 | 26.9 | 19.6 | 14.5 | 9.5 | 3.3 |
| 32.5° | 54.7 | 40.1 | 29.1 | 21.4 | 15.4 | 9.8 | 3.3 |
| 30° | 63.7 | 44.1 | 31.3 | 23.2 | 16.3 | 10.1 | 3.3 |
| 27.5° | 72.6 | 48.1 | 34.1 | 25.0 | 17.2 | 10.3 | 3.3 |
| 25° | 81.3 | 52.1 | 36.9 | 26.8 | 18.1 | 10.6 | 3.3 |
| 22.5° | 89.8 | 56.1 | 39.7 | 28.5 | 19.0 | 10.9 | 3.3 |
| 20° | 98.1 | 60.2 | 42.4 | 30.3 | 19.9 | 11.2 | 3.3 |
| 17.5° | 105.7 | 64.1 | 45.0 | 32.0 | 20.7 | 11.5 | 3.3 |
| 15° | 112.8 | 67.9 | 47.6 | 33.6 | 21.6 | 11.7 | 3.3 |
| 12.5° | 119.3 | 71.4 | 50.1 | 35.2 | 22.4 | 12.0 | 3.3 |
| 10° | 125.3 | 74.7 | 52.5 | 36.8 | 23.2 | 12.2 | 3.3 |
| 7.5° | 130.7 | 77.8 | 54.7 | 38.3 | 23.9 | 12.4 | 3.3 |
| 5° | 135.5 | 80.7 | 56.9 | 39.7 | 24.7 | 12.6 | 3.3 |
| 2.5° | 139.7 | 83.3 | 58.9 | 41.0 | 25.4 | 12.8 | 3.3 |
| 0° | 143.2 | 85.7 | 60.8 | 42.3 | 26.0 | 13.0 | 3.3 |
| -2.5° | 147.8 | 89.3 | 63.5 | 44.2 | 27.2 | 13.5 | 3.3 |
| -5° | 151.7 | 92.6 | 66.0 | 46.0 | 28.3 | 14.1 | 3.3 |
| -7.5° | 154.9 | 95.7 | 68.4 | 47.6 | 29.3 | 14.5 | 3.3 |
| -10° | 157.3 | 98.5 | 70.6 | 49.2 | 30.3 | 15.0 | 3.3 |
| -12.5° | 159.0 | 101.0 | 72.7 | 50.7 | 31.3 | 15.5 | 3.3 |
| -15° | 159.9 | 103.2 | 74.5 | 52.0 | 32.1 | 15.9 | 3.3 |
| -17.5° | 160.0 | 105.1 | 76.2 | 53.2 | 32.9 | 16.3 | 3.3 |
| -20° | 159.4 | 106.6 | 77.6 | 54.2 | 33.7 | 16.6 | 3.3 |



REPORT NUMBER: P701494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| -22.5° | 158.2 | 107.9 | 78.9 | 55.2 | 34.3 | 17.0 | 3.3 |
| -25° | 156.1 | 109.0 | 79.9 | 56.0 | 34.9 | 17.3 | 3.3 |
| -27.5° | 153.2 | 109.8 | 80.7 | 56.6 | 35.4 | 17.6 | 3.3 |
| -30° | 149.5 | 110.4 | 81.3 | 57.1 | 35.8 | 17.8 | 3.3 |
| -32.5° | 144.9 | 110.7 | 82.1 | 57.5 | 36.2 | 18.0 | 3.3 |
| -35° | 143.2 | 110.6 | 82.7 | 57.7 | 36.5 | 18.2 | 3.3 |
| -37.5° | 142.8 | 110.5 | 83.1 | 57.8 | 36.6 | 18.3 | 3.3 |
| -40° | 141.9 | 110.7 | 83.3 | 57.7 | 36.8 | 18.4 | 3.3 |
| -42.5° | 140.7 | 110.7 | 83.3 | 57.6 | 36.8 | 18.5 | 3.3 |
| -45° | 139.0 | 110.3 | 83.2 | 57.5 | 36.7 | 18.5 | 3.3 |
| -47.5° | 136.7 | 109.7 | 82.9 | 57.3 | 36.6 | 18.5 | 3.3 |
| -50° | 135.2 | 108.9 | 82.3 | 57.1 | 36.4 | 18.5 | 3.3 |
| -52.5° | 133.5 | 107.8 | 81.5 | 56.9 | 36.0 | 18.4 | 3.3 |
| -55° | 131.4 | 106.2 | 80.5 | 56.5 | 35.7 | 18.3 | 3.3 |
| -57.5° | 128.9 | 104.3 | 79.3 | 56.0 | 35.2 | 18.2 | 3.3 |
| -60° | 126.2 | 102.2 | 77.8 | 55.3 | 34.7 | 18.0 | 3.3 |
| -62.5° | 123.2 | 99.8 | 76.6 | 54.5 | 34.1 | 17.8 | 3.3 |
| -65° | 119.9 | 97.1 | 75.2 | 53.6 | 33.5 | 17.6 | 3.3 |
| -67.5° | 116.4 | 94.5 | 73.7 | 52.5 | 32.9 | 17.3 | 3.3 |
| -70° | 112.6 | 91.8 | 71.9 | 51.3 | 32.1 | 17.0 | 3.3 |
| -72.5° | 108.6 | 88.9 | 69.9 | 50.0 | 31.3 | 16.7 | 3.3 |
| -75° | 104.4 | 85.8 | 67.8 | 48.7 | 30.4 | 16.3 | 3.3 |
| -77.5° | 99.8 | 82.4 | 65.7 | 47.3 | 29.5 | 15.9 | 3.3 |
| -80° | 95.0 | 79.2 | 63.5 | 45.7 | 28.5 | 15.5 | 3.3 |
| -82.5° | 90.9 | 76.0 | 61.1 | 44.1 | 27.4 | 15.1 | 3.3 |
| -85° | 86.8 | 72.7 | 58.6 | 42.3 | 26.3 | 14.6 | 3.3 |
| -87.5° | 82.5 | 69.2 | 56.0 | 40.5 | 25.1 | 14.1 | 3.3 |
| -90° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |

(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

