

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: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-3S-VHE-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701638 (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-08-0680R-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

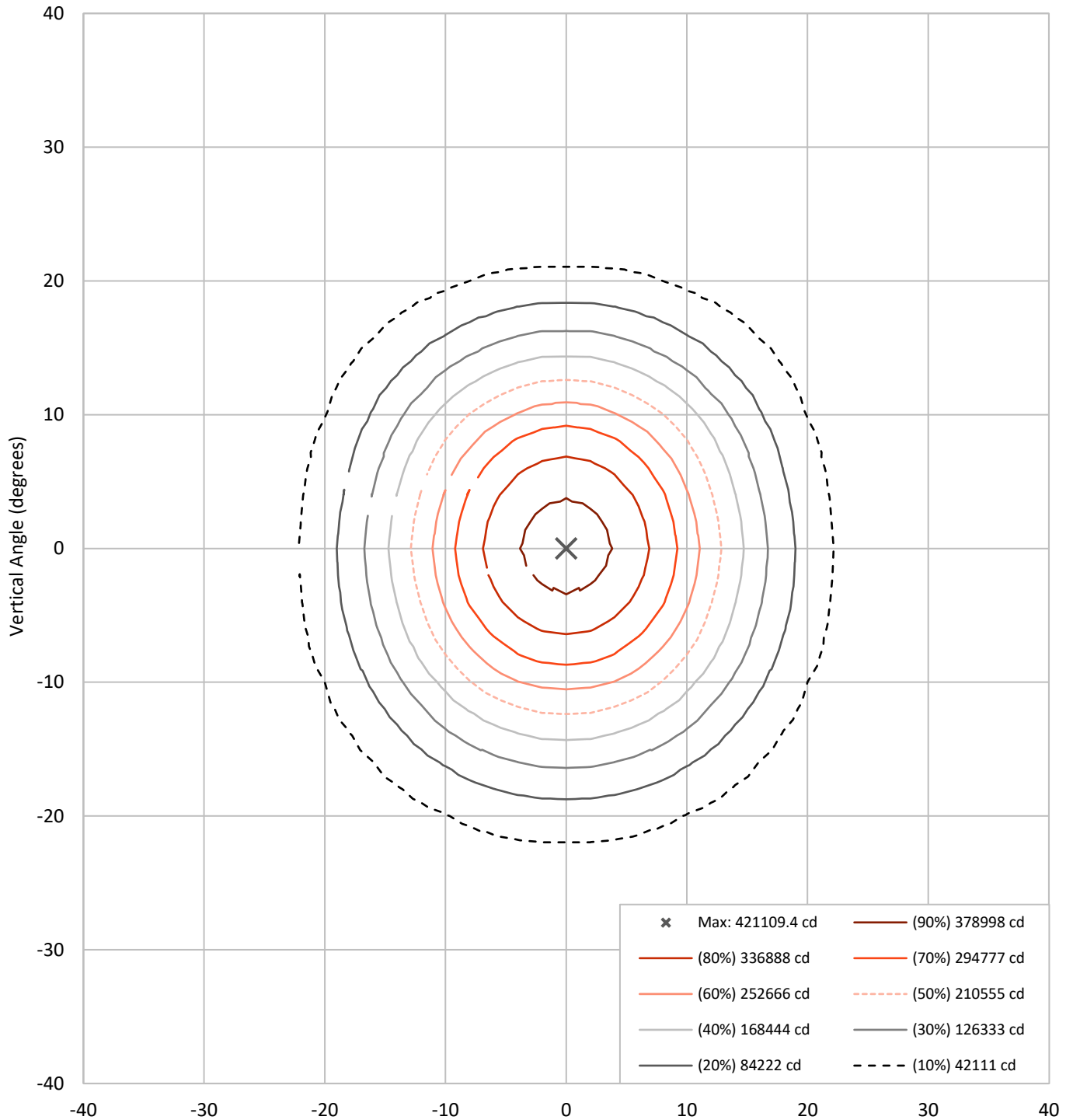
Summary

| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 94610.8 lumens | Max Intensity: | 421109.4 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 135.6 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: | 45267.2 lumens | Field Lumens: | 79319.5 lumens |
| Beam Efficiency: | 47.8% | Field Efficiency: | 83.8% |

Input Watts (W): 697.5
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: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-80-3S-VHE-S

Iso-Candela Plot





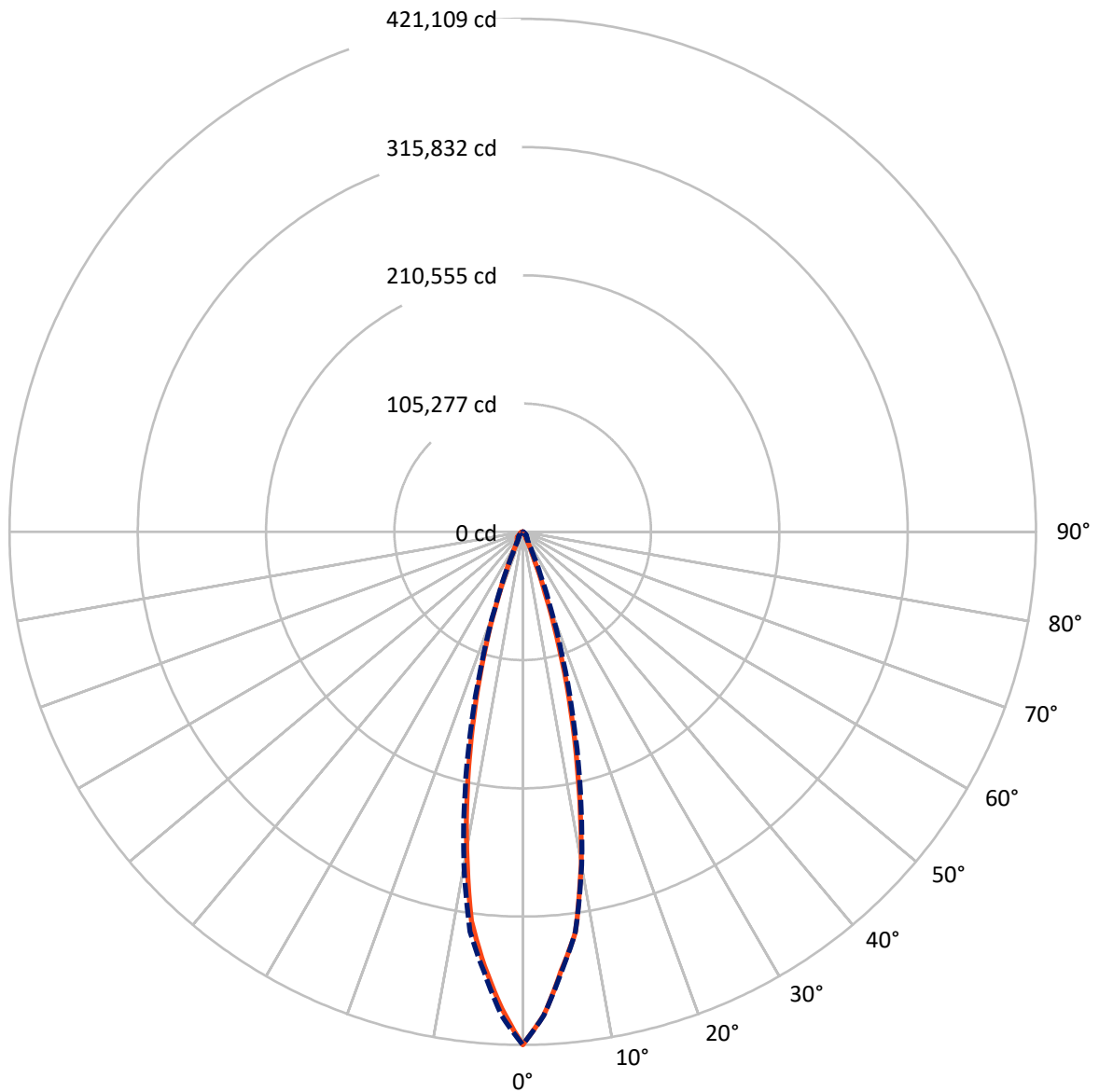
REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-3S-VHE-S

Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|------|------|------|-------|-------|--------|--------|--------|--------|-------|-------|------|------|-----|-----|--|--|--|
| 90 | 0.2 | 0.7 | 1.5 | 2.2 | 2.7 | 2.2 | 1.5 | 0.7 | 0.2 | | | | | | | | | | |
| 80 | 0.2 | 0.7 | 1.5 | 2.2 | 2.7 | 2.2 | 1.5 | 0.7 | 0.2 | | | | | | | | | | |
| 70 | 0.3 | 0.1 | 0.3 | 0.7 | 0.9 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.9 | 0.7 | 0.3 | 0.1 | 0.3 | | | |
| 60 | | 0.4 | 0.9 | 1.2 | 1.0 | 1.1 | 1.4 | 1.6 | 1.6 | 1.4 | 1.1 | 1.0 | 1.2 | 0.9 | 0.4 | | | | |
| 50 | 0.9 | 1.3 | 3.2 | 6.6 | 12.2 | 20.9 | 29.7 | 33.7 | 33.7 | 29.7 | 20.9 | 12.2 | 6.6 | 3.2 | 1.3 | 0.9 | | | |
| 40 | | 3.3 | 10.0 | 20.7 | 39.0 | 64.7 | 78.2 | 91.7 | 91.7 | 78.2 | 64.7 | 39.0 | 20.7 | 10.0 | 3.3 | | | | |
| 30 | 2.2 | 5.5 | 16.9 | 37.1 | 83.0 | 106.7 | 230.5 | 504.1 | 504.1 | 230.5 | 106.7 | 83.0 | 37.1 | 16.9 | 5.5 | 2.2 | | | |
| 20 | | 7.2 | 22.2 | 60.2 | 119.1 | 287.9 | 1734.1 | 4192.3 | 4192.3 | 1734.1 | 287.9 | 119.1 | 60.2 | 22.2 | 7.2 | | | | |
| 10 | 3.2 | 8.7 | 25.7 | 76.7 | 144.2 | 639.0 | 4211.7 | 9593.1 | 9593.1 | 4211.7 | 639.0 | 144.2 | 76.7 | 25.7 | 8.7 | 3.2 | | | |
| 0 | | 9.7 | 28.3 | 81.2 | 159.8 | 658.6 | 4237.3 | 9493.5 | 9493.5 | 4237.3 | 658.6 | 159.8 | 81.2 | 28.3 | 9.7 | | | | |
| -10 | 3.5 | 9.8 | 29.2 | 78.4 | 159.2 | 353.1 | 1808.1 | 4231.4 | 4231.4 | 1808.1 | 353.1 | 159.2 | 78.4 | 29.2 | 9.8 | 3.5 | | | |
| -20 | | 9.0 | 27.9 | 62.0 | 143.3 | 216.3 | 374.8 | 712.8 | 712.8 | 374.8 | 216.3 | 143.3 | 62.0 | 27.9 | 9.0 | | | | |
| -30 | 2.9 | 7.7 | 23.8 | 49.6 | 99.0 | 173.0 | 213.6 | 237.0 | 237.0 | 213.6 | 173.0 | 99.0 | 49.6 | 23.8 | 7.7 | 2.9 | | | |
| -40 | | 5.9 | 18.2 | 38.4 | 62.7 | 92.5 | 135.6 | 168.9 | 168.9 | 135.6 | 92.5 | 62.7 | 38.4 | 18.2 | 5.9 | | | | |
| -50 | 2.4 | 4.0 | 11.8 | 25.1 | 42.2 | 57.4 | 69.7 | 77.3 | 77.3 | 69.7 | 57.4 | 42.2 | 25.1 | 11.8 | 4.0 | 2.4 | | | |
| -60 | | 2.8 | 6.3 | 13.0 | 22.0 | 30.3 | 38.2 | 43.0 | 43.0 | 38.2 | 30.3 | 22.0 | 13.0 | 6.3 | 2.8 | | | | |
| -70 | 1.7 | 10.4 | 24.0 | 39.1 | 47.9 | 39.1 | 24.0 | 10.4 | 1.7 | | | | | | | 1.7 | | | |
| -80 | | 1.7 | 10.4 | 24.0 | 39.1 | 47.9 | 39.1 | 24.0 | 10.4 | 1.7 | | | | | | | | | |
| -90 | 1.7 | 10.4 | 24.0 | 39.1 | 47.9 | 39.1 | 24.0 | 10.4 | 1.7 | | | | | | | | | | |

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CATALOG NUMBER: EPH-LS-08-0680R-40-80-3S-VHE-S

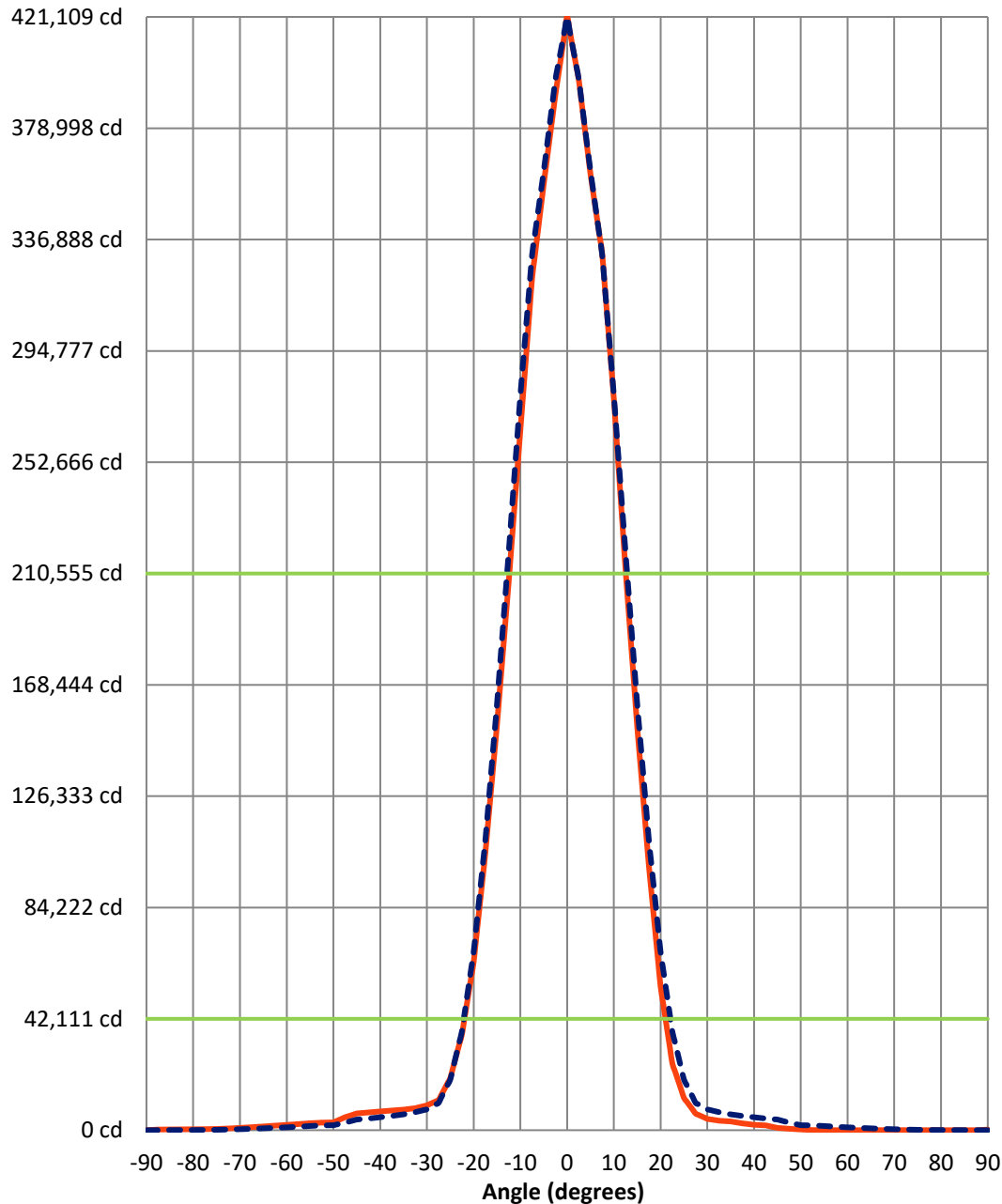
Luminous Intensity Polar Plot



— 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: 45267.2
 Efficiency: 47.8%

Field:
 H Angle: 44.2°
 V Angle: 43°
 Lumens: 79319.5
 Efficiency: 83.8%

Spill:
 Lumens: 15291.3
 Efficiency: 16.2%

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



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 3.4 | 14.1 | 24.8 | 40.0 | 55.2 | 68.2 | 81.2 | 90.8 | 100.3 | 108.2 | 116.1 |
| 87.5° | 3.4 | 3.7 | 3.6 | 3.7 | 3.8 | 3.8 | 3.7 | 3.3 | 3.1 | 2.9 | 2.8 |
| 85° | 3.4 | 3.9 | 3.8 | 4.0 | 4.2 | 4.1 | 4.0 | 3.8 | 3.8 | 3.6 | 3.2 |
| 82.5° | 3.4 | 4.2 | 4.0 | 4.3 | 4.5 | 4.5 | 4.3 | 4.3 | 4.5 | 4.1 | 3.7 |
| 80° | 3.4 | 4.5 | 4.2 | 4.5 | 4.9 | 4.9 | 4.6 | 4.8 | 4.9 | 4.6 | 4.2 |
| 77.5° | 3.4 | 4.8 | 4.4 | 4.8 | 5.3 | 5.3 | 5.3 | 5.4 | 5.3 | 5.0 | 4.7 |
| 75° | 3.4 | 5.0 | 4.7 | 5.1 | 5.7 | 6.0 | 5.9 | 5.9 | 5.8 | 5.7 | 5.3 |
| 72.5° | 3.4 | 5.3 | 4.9 | 5.4 | 6.3 | 6.6 | 6.6 | 6.7 | 6.8 | 6.5 | 6.0 |
| 70° | 3.4 | 5.6 | 5.2 | 5.7 | 7.0 | 7.3 | 7.3 | 7.8 | 7.8 | 7.4 | 7.5 |
| 67.5° | 3.4 | 5.9 | 5.5 | 6.4 | 7.6 | 8.0 | 8.7 | 9.0 | 8.9 | 9.4 | 9.4 |
| 65° | 3.4 | 6.2 | 5.9 | 7.1 | 8.4 | 9.1 | 10.2 | 10.3 | 11.3 | 11.5 | 11.4 |
| 62.5° | 3.4 | 6.4 | 6.2 | 7.8 | 9.1 | 10.6 | 11.7 | 12.5 | 13.8 | 13.8 | 13.8 |
| 60° | 3.4 | 6.7 | 6.7 | 8.5 | 9.9 | 12.2 | 13.3 | 15.2 | 16.5 | 16.8 | 16.5 |
| 57.5° | 3.4 | 7.0 | 7.4 | 9.2 | 11.4 | 13.8 | 15.8 | 17.9 | 20.0 | 20.3 | 22.4 |
| 55° | 3.4 | 7.3 | 8.2 | 9.9 | 12.9 | 15.4 | 18.5 | 20.9 | 24.1 | 25.4 | 30.3 |
| 52.5° | 3.4 | 7.6 | 9.0 | 10.7 | 14.5 | 17.3 | 21.2 | 25.0 | 28.5 | 35.0 | 38.9 |
| 50° | 3.4 | 7.9 | 9.8 | 11.4 | 16.2 | 19.8 | 23.9 | 29.5 | 34.8 | 45.4 | 54.6 |
| 47.5° | 3.4 | 8.3 | 10.7 | 12.3 | 17.9 | 22.4 | 26.8 | 34.1 | 45.3 | 56.7 | 73.6 |
| 45° | 3.4 | 8.6 | 11.5 | 13.6 | 19.6 | 25.2 | 31.0 | 38.9 | 56.4 | 76.0 | 94.6 |
| 42.5° | 3.4 | 8.9 | 12.4 | 14.9 | 21.3 | 28.0 | 35.3 | 46.9 | 68.0 | 96.9 | 126.7 |
| 40° | 3.4 | 9.2 | 13.3 | 16.6 | 23.4 | 30.9 | 40.0 | 57.3 | 82.5 | 119.2 | 163.0 |
| 37.5° | 3.4 | 9.5 | 14.2 | 18.5 | 25.6 | 33.8 | 45.1 | 67.9 | 103.0 | 145.8 | 201.8 |
| 35° | 3.4 | 9.8 | 15.1 | 20.3 | 27.9 | 37.6 | 50.3 | 78.8 | 124.2 | 179.9 | 245.3 |
| 32.5° | 3.4 | 10.1 | 16.1 | 22.2 | 30.2 | 41.7 | 56.8 | 90.1 | 146.2 | 214.3 | 288.4 |
| 30° | 3.4 | 10.4 | 17.0 | 24.1 | 32.5 | 45.9 | 66.2 | 103.3 | 168.9 | 248.8 | 328.8 |
| 27.5° | 3.4 | 10.7 | 17.9 | 26.0 | 35.4 | 50.0 | 75.4 | 120.5 | 191.9 | 283.1 | 366.2 |
| 25° | 3.4 | 11.0 | 18.9 | 27.8 | 38.3 | 54.1 | 84.5 | 136.7 | 215.2 | 315.3 | 401.1 |
| 22.5° | 3.4 | 11.3 | 19.8 | 29.6 | 41.2 | 58.2 | 93.3 | 152.0 | 236.5 | 337.2 | 439.2 |
| 20° | 3.4 | 11.6 | 20.7 | 31.4 | 44.0 | 62.5 | 101.9 | 166.2 | 255.8 | 357.5 | 469.9 |
| 17.5° | 3.4 | 11.9 | 21.6 | 33.2 | 46.8 | 66.6 | 109.9 | 179.4 | 273.0 | 376.1 | 498.7 |
| 15° | 3.4 | 12.2 | 22.5 | 34.9 | 49.4 | 70.5 | 117.2 | 191.2 | 288.3 | 393.0 | 526.0 |
| 12.5° | 3.4 | 12.4 | 23.3 | 36.6 | 52.0 | 74.2 | 124.0 | 201.8 | 303.8 | 408.2 | 551.4 |
| 10° | 3.4 | 12.7 | 24.2 | 38.3 | 54.5 | 77.6 | 130.2 | 211.3 | 319.7 | 430.8 | 579.2 |
| 7.5° | 3.4 | 12.9 | 25.0 | 39.8 | 56.8 | 80.8 | 135.8 | 219.7 | 334.3 | 453.6 | 614.0 |
| 5° | 3.4 | 13.1 | 25.7 | 41.3 | 59.0 | 83.8 | 140.8 | 226.9 | 347.5 | 474.9 | 646.2 |
| 2.5° | 3.4 | 13.3 | 26.4 | 42.7 | 61.1 | 86.6 | 145.1 | 233.0 | 359.0 | 494.5 | 675.4 |
| 0° | 3.4 | 13.5 | 27.1 | 44.0 | 63.1 | 89.1 | 148.8 | 237.9 | 368.6 | 511.8 | 701.2 |
| -2.5° | 3.4 | 14.1 | 28.3 | 46.0 | 65.9 | 92.8 | 153.6 | 246.0 | 379.4 | 523.6 | 713.2 |
| -5° | 3.4 | 14.6 | 29.5 | 47.8 | 68.6 | 96.3 | 157.6 | 252.7 | 388.1 | 532.8 | 721.4 |
| -7.5° | 3.4 | 15.1 | 30.5 | 49.5 | 71.0 | 99.5 | 160.9 | 257.9 | 394.5 | 539.3 | 725.8 |
| -10° | 3.4 | 15.6 | 31.6 | 51.2 | 73.3 | 102.4 | 163.5 | 261.6 | 398.4 | 543.4 | 726.4 |
| -12.5° | 3.4 | 16.1 | 32.5 | 52.7 | 75.5 | 105.0 | 165.2 | 263.5 | 399.9 | 544.6 | 724.7 |
| -15° | 3.4 | 16.5 | 33.4 | 54.0 | 77.4 | 107.3 | 166.1 | 263.6 | 397.5 | 541.2 | 719.1 |
| -17.5° | 3.4 | 16.9 | 34.2 | 55.3 | 79.1 | 109.2 | 166.3 | 261.3 | 391.1 | 534.8 | 708.5 |
| -20° | 3.4 | 17.3 | 35.0 | 56.4 | 80.6 | 110.8 | 165.6 | 256.9 | 382.3 | 525.3 | 692.6 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 3.4 | 17.6 | 35.7 | 57.4 | 81.9 | 112.1 | 164.4 | 250.9 | 371.2 | 512.8 | 671.9 |
| -25° | 3.4 | 18.0 | 36.3 | 58.2 | 83.0 | 113.2 | 162.2 | 243.3 | 357.9 | 497.1 | 650.1 |
| -27.5° | 3.4 | 18.2 | 36.8 | 58.8 | 83.9 | 114.1 | 159.2 | 234.1 | 342.2 | 483.0 | 634.5 |
| -30° | 3.4 | 18.5 | 37.2 | 59.4 | 84.5 | 114.7 | 155.3 | 223.4 | 329.5 | 467.3 | 615.6 |
| -32.5° | 3.4 | 18.7 | 37.6 | 59.7 | 85.4 | 115.0 | 150.6 | 216.4 | 318.7 | 449.1 | 593.1 |
| -35° | 3.4 | 18.9 | 37.9 | 60.0 | 86.0 | 114.9 | 148.9 | 210.4 | 305.0 | 428.4 | 567.0 |
| -37.5° | 3.4 | 19.0 | 38.1 | 60.0 | 86.4 | 114.8 | 148.4 | 203.7 | 288.4 | 405.2 | 539.3 |
| -40° | 3.4 | 19.1 | 38.2 | 59.9 | 86.5 | 115.0 | 147.5 | 195.5 | 269.1 | 382.5 | 508.2 |
| -42.5° | 3.4 | 19.2 | 38.2 | 59.8 | 86.6 | 115.0 | 146.2 | 186.0 | 254.6 | 355.4 | 472.1 |
| -45° | 3.4 | 19.3 | 38.1 | 59.7 | 86.5 | 114.6 | 144.4 | 178.8 | 242.0 | 325.2 | 432.4 |
| -47.5° | 3.4 | 19.3 | 38.0 | 59.5 | 86.1 | 114.0 | 142.0 | 175.9 | 227.6 | 292.7 | 395.4 |
| -50° | 3.4 | 19.2 | 37.8 | 59.3 | 85.5 | 113.2 | 140.4 | 172.4 | 210.6 | 273.3 | 355.5 |
| -52.5° | 3.4 | 19.1 | 37.5 | 59.1 | 84.7 | 112.0 | 138.7 | 168.3 | 201.3 | 252.5 | 314.3 |
| -55° | 3.4 | 19.0 | 37.1 | 58.7 | 83.6 | 110.4 | 136.5 | 163.7 | 195.1 | 230.2 | 288.1 |
| -57.5° | 3.4 | 18.9 | 36.6 | 58.2 | 82.3 | 108.4 | 134.0 | 160.6 | 188.4 | 219.0 | 260.6 |
| -60° | 3.4 | 18.7 | 36.0 | 57.5 | 80.8 | 106.2 | 131.1 | 156.7 | 181.6 | 210.7 | 237.8 |
| -62.5° | 3.4 | 18.5 | 35.5 | 56.6 | 79.6 | 103.7 | 128.0 | 152.3 | 176.2 | 201.5 | 226.5 |
| -65° | 3.4 | 18.2 | 34.9 | 55.7 | 78.2 | 101.0 | 124.6 | 147.6 | 170.3 | 193.3 | 214.4 |
| -67.5° | 3.4 | 18.0 | 34.2 | 54.5 | 76.5 | 98.2 | 121.0 | 142.8 | 164.0 | 185.2 | 204.3 |
| -70° | 3.4 | 17.6 | 33.4 | 53.3 | 74.7 | 95.4 | 117.0 | 137.6 | 157.7 | 176.7 | 195.0 |
| -72.5° | 3.4 | 17.3 | 32.5 | 52.0 | 72.7 | 92.4 | 112.9 | 132.2 | 151.2 | 168.5 | 185.3 |
| -75° | 3.4 | 16.9 | 31.6 | 50.6 | 70.5 | 89.1 | 108.4 | 126.3 | 144.2 | 159.8 | 175.1 |
| -77.5° | 3.4 | 16.5 | 30.6 | 49.1 | 68.3 | 85.6 | 103.7 | 120.1 | 136.7 | 150.8 | 164.5 |
| -80° | 3.4 | 16.1 | 29.6 | 47.5 | 65.9 | 82.2 | 98.7 | 113.6 | 128.7 | 141.4 | 153.8 |
| -82.5° | 3.4 | 15.6 | 28.4 | 45.8 | 63.5 | 78.9 | 94.5 | 107.4 | 120.5 | 131.8 | 143.0 |
| -85° | 3.4 | 15.1 | 27.3 | 43.9 | 60.8 | 75.5 | 90.2 | 102.0 | 113.9 | 123.5 | 133.0 |
| -87.5° | 3.4 | 14.6 | 26.1 | 42.0 | 58.1 | 71.9 | 85.8 | 96.4 | 107.2 | 115.9 | 124.6 |
| -90° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 2.9 | 2.3 | 2.3 | 2.3 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 122.3 | 128.5 | 134.2 | 139.8 | 144.9 | 149.9 | 156.7 | 163.5 | 168.6 | 173.6 | 178.7 |
| 87.5° | 2.8 | 2.8 | 2.9 | 2.9 | 2.6 | 2.3 | 2.3 | 2.3 | 2.1 | 2.0 | 2.1 |
| 85° | 3.3 | 3.4 | 3.4 | 3.4 | 3.0 | 2.6 | 2.7 | 2.8 | 2.8 | 2.9 | 2.6 |
| 82.5° | 3.8 | 3.9 | 3.8 | 3.4 | 3.3 | 3.3 | 3.4 | 3.4 | 3.4 | 3.4 | 3.1 |
| 80° | 4.3 | 4.5 | 4.1 | 3.8 | 3.9 | 4.0 | 3.8 | 3.5 | 3.4 | 3.5 | 3.6 |
| 77.5° | 4.7 | 4.6 | 4.4 | 4.4 | 4.5 | 4.7 | 4.6 | 4.6 | 4.6 | 4.4 | 4.5 |
| 75° | 5.0 | 4.7 | 4.8 | 4.7 | 4.7 | 5.2 | 5.6 | 5.6 | 5.4 | 5.2 | 5.3 |
| 72.5° | 5.9 | 5.9 | 5.7 | 5.1 | 5.1 | 5.6 | 5.6 | 5.6 | 7.0 | 9.3 | 11.2 |
| 70° | 7.4 | 7.3 | 6.9 | 6.5 | 6.2 | 6.6 | 8.5 | 11.6 | 15.1 | 18.3 | 21.4 |
| 67.5° | 8.9 | 8.7 | 8.2 | 8.2 | 9.4 | 11.3 | 13.6 | 21.6 | 29.9 | 32.7 | 33.2 |
| 65° | 10.6 | 10.3 | 10.4 | 11.7 | 13.3 | 18.9 | 26.2 | 35.8 | 43.8 | 43.2 | 39.9 |
| 62.5° | 12.5 | 14.0 | 14.1 | 16.8 | 22.3 | 29.2 | 37.6 | 45.8 | 52.9 | 49.5 | 41.3 |
| 60° | 17.8 | 18.9 | 21.5 | 26.6 | 32.3 | 39.1 | 47.9 | 50.5 | 52.3 | 51.0 | 40.0 |
| 57.5° | 24.6 | 27.5 | 32.9 | 37.6 | 44.5 | 47.5 | 48.2 | 47.7 | 50.8 | 48.7 | 37.6 |
| 55° | 34.4 | 39.4 | 46.6 | 51.5 | 55.5 | 49.6 | 49.0 | 52.1 | 51.7 | 47.3 | 36.6 |
| 52.5° | 49.2 | 54.5 | 64.4 | 68.1 | 64.9 | 60.2 | 58.6 | 61.5 | 59.2 | 53.2 | 46.2 |
| 50° | 65.2 | 77.9 | 84.5 | 87.4 | 81.7 | 81.0 | 75.1 | 78.8 | 82.0 | 79.2 | 89.1 |
| 47.5° | 89.6 | 104.9 | 109.8 | 115.0 | 112.3 | 122.6 | 117.2 | 136.7 | 138.0 | 194.7 | 211.7 |
| 45° | 119.0 | 139.6 | 145.3 | 158.8 | 173.8 | 191.8 | 222.9 | 231.2 | 324.5 | 381.2 | 448.4 |
| 42.5° | 154.5 | 180.3 | 203.6 | 211.3 | 278.3 | 314.6 | 361.4 | 448.2 | 534.9 | 606.2 | 656.2 |
| 40° | 200.1 | 226.4 | 275.6 | 334.3 | 405.5 | 467.3 | 556.6 | 657.0 | 739.7 | 794.5 | 820.2 |
| 37.5° | 250.4 | 301.8 | 366.3 | 461.3 | 547.9 | 626.4 | 740.5 | 841.0 | 914.2 | 964.9 | 971.4 |
| 35° | 304.4 | 377.4 | 483.0 | 579.2 | 668.7 | 775.0 | 888.2 | 1003.8 | 1063.9 | 1085.7 | 1178.9 |
| 32.5° | 367.3 | 451.1 | 576.1 | 680.6 | 781.3 | 901.9 | 1022.3 | 1122.0 | 1175.2 | 1236.9 | 1552.2 |
| 30° | 426.9 | 528.3 | 652.7 | 763.9 | 888.6 | 1026.0 | 1141.1 | 1235.2 | 1271.9 | 1595.8 | 2105.8 |
| 27.5° | 474.4 | 595.4 | 720.3 | 854.3 | 997.5 | 1154.6 | 1270.6 | 1331.7 | 1541.9 | 2021.2 | 2758.6 |
| 25° | 518.7 | 648.8 | 788.4 | 955.9 | 1118.8 | 1274.5 | 1392.5 | 1431.6 | 1868.5 | 2681.4 | 3231.0 |
| 22.5° | 562.0 | 701.0 | 863.7 | 1063.3 | 1230.1 | 1375.4 | 1474.1 | 1710.8 | 2336.9 | 3366.4 | 3651.7 |
| 20° | 605.3 | 762.8 | 945.5 | 1144.5 | 1328.5 | 1464.2 | 1540.0 | 2005.2 | 2905.7 | 3629.6 | 3950.7 |
| 17.5° | 647.1 | 825.0 | 1020.5 | 1212.8 | 1398.4 | 1535.9 | 1633.9 | 2253.6 | 3356.3 | 3865.8 | 4181.8 |
| 15° | 687.7 | 878.0 | 1078.3 | 1277.0 | 1466.3 | 1598.7 | 1864.8 | 2617.9 | 3636.1 | 4151.5 | 4485.3 |
| 12.5° | 726.8 | 923.4 | 1121.0 | 1332.7 | 1532.0 | 1659.7 | 2104.2 | 3059.5 | 3928.1 | 4433.0 | 4793.7 |
| 10° | 763.5 | 961.5 | 1158.1 | 1383.4 | 1593.1 | 1712.8 | 2328.9 | 3472.0 | 4195.3 | 4633.4 | 4960.3 |
| 7.5° | 800.7 | 995.9 | 1191.7 | 1429.3 | 1650.6 | 1761.2 | 2519.0 | 3697.8 | 4300.2 | 4765.7 | 5077.8 |
| 5° | 833.4 | 1027.7 | 1231.4 | 1485.9 | 1706.4 | 1805.7 | 2679.5 | 3849.7 | 4333.4 | 4831.7 | 5162.4 |
| 2.5° | 861.4 | 1054.2 | 1266.1 | 1538.7 | 1756.6 | 1846.0 | 2788.8 | 3965.5 | 4373.5 | 4878.8 | 5267.5 |
| 0° | 885.0 | 1075.5 | 1295.3 | 1583.9 | 1799.2 | 1882.7 | 2861.2 | 4028.0 | 4398.9 | 4899.4 | 5384.2 |
| -2.5° | 902.2 | 1103.9 | 1341.9 | 1622.3 | 1834.2 | 1920.9 | 2884.0 | 4054.8 | 4435.8 | 5013.2 | 5646.0 |
| -5° | 915.0 | 1126.7 | 1380.9 | 1652.9 | 1862.7 | 1956.2 | 2867.7 | 4029.8 | 4479.9 | 5118.2 | 5812.3 |
| -7.5° | 922.9 | 1143.1 | 1411.0 | 1675.7 | 1886.5 | 1995.8 | 2818.8 | 4001.1 | 4618.0 | 5249.9 | 5895.9 |
| -10° | 926.6 | 1151.6 | 1415.6 | 1684.2 | 1905.5 | 2035.6 | 2735.2 | 3904.0 | 4717.8 | 5300.2 | 5902.9 |
| -12.5° | 929.9 | 1153.3 | 1410.0 | 1682.7 | 1917.3 | 2071.9 | 2630.1 | 3787.4 | 4809.8 | 5319.1 | 5860.1 |
| -15° | 927.0 | 1149.7 | 1397.5 | 1672.2 | 1932.4 | 2117.9 | 2495.7 | 3571.0 | 4850.8 | 5299.3 | 5779.8 |
| -17.5° | 917.7 | 1141.0 | 1380.3 | 1658.7 | 1942.1 | 2160.7 | 2319.5 | 3237.6 | 4630.3 | 5238.2 | 5718.7 |
| -20° | 901.7 | 1125.0 | 1355.8 | 1632.8 | 1936.9 | 2179.2 | 2315.0 | 2993.6 | 4168.3 | 5117.9 | 5627.9 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 880.6 | 1102.4 | 1326.5 | 1598.5 | 1906.3 | 2171.6 | 2347.2 | 2724.7 | 3644.7 | 4941.8 | 5490.9 |
| -25° | 855.9 | 1073.7 | 1296.4 | 1561.6 | 1863.8 | 2157.0 | 2364.9 | 2476.9 | 3211.9 | 4345.1 | 5273.4 |
| -27.5° | 827.4 | 1039.5 | 1262.0 | 1512.3 | 1808.2 | 2113.7 | 2336.1 | 2483.9 | 2860.1 | 3662.8 | 4943.0 |
| -30° | 793.7 | 1000.0 | 1217.6 | 1455.0 | 1740.2 | 2031.7 | 2286.7 | 2474.8 | 2584.8 | 3197.2 | 4226.4 |
| -32.5° | 755.5 | 954.5 | 1167.1 | 1400.2 | 1663.4 | 1943.5 | 2213.2 | 2416.6 | 2567.4 | 2767.8 | 3551.7 |
| -35° | 719.1 | 908.1 | 1111.0 | 1338.4 | 1581.0 | 1844.2 | 2097.2 | 2337.3 | 2526.3 | 2655.4 | 2974.1 |
| -37.5° | 687.0 | 857.4 | 1052.4 | 1271.3 | 1505.0 | 1730.1 | 1971.9 | 2219.4 | 2436.0 | 2614.6 | 2727.4 |
| -40° | 650.2 | 802.8 | 991.9 | 1198.8 | 1407.0 | 1614.9 | 1840.7 | 2077.1 | 2315.7 | 2511.8 | 2683.8 |
| -42.5° | 609.0 | 756.8 | 926.2 | 1114.5 | 1305.7 | 1502.2 | 1703.2 | 1927.0 | 2151.9 | 2375.5 | 2556.9 |
| -45° | 563.3 | 705.5 | 856.0 | 1025.3 | 1198.7 | 1384.0 | 1574.6 | 1768.0 | 1980.7 | 2191.7 | 2390.2 |
| -47.5° | 511.9 | 648.4 | 791.9 | 930.2 | 1091.2 | 1261.3 | 1439.2 | 1621.6 | 1803.7 | 1997.5 | 2189.1 |
| -50° | 458.2 | 585.0 | 717.4 | 844.0 | 981.7 | 1136.4 | 1299.8 | 1469.6 | 1641.4 | 1803.9 | 1972.5 |
| -52.5° | 408.5 | 515.9 | 637.0 | 758.4 | 879.3 | 1010.9 | 1158.5 | 1311.9 | 1470.8 | 1629.1 | 1771.7 |
| -55° | 354.8 | 451.4 | 552.0 | 666.5 | 782.1 | 896.0 | 1015.8 | 1154.6 | 1289.6 | 1435.2 | 1575.3 |
| -57.5° | 314.7 | 385.7 | 473.9 | 569.2 | 677.4 | 787.4 | 893.5 | 998.1 | 1115.7 | 1237.5 | 1361.1 |
| -60° | 282.7 | 332.5 | 400.0 | 481.1 | 566.4 | 668.0 | 772.2 | 868.7 | 957.6 | 1048.2 | 1160.2 |
| -62.5° | 253.0 | 294.0 | 340.9 | 397.4 | 471.5 | 547.0 | 636.7 | 728.8 | 815.1 | 898.0 | 981.3 |
| -65° | 238.7 | 260.2 | 295.6 | 337.7 | 380.1 | 444.5 | 513.2 | 583.6 | 662.9 | 738.9 | 816.4 |
| -67.5° | 223.6 | 243.9 | 263.5 | 286.6 | 324.7 | 362.2 | 399.4 | 461.4 | 523.4 | 579.3 | 635.7 |
| -70° | 211.9 | 227.9 | 245.6 | 262.7 | 279.9 | 302.0 | 335.8 | 370.5 | 404.1 | 441.2 | 488.5 |
| -72.5° | 200.5 | 214.8 | 229.0 | 242.9 | 258.5 | 274.3 | 290.5 | 307.5 | 332.2 | 360.8 | 386.6 |
| -75° | 188.7 | 201.2 | 213.7 | 226.2 | 239.1 | 252.3 | 265.9 | 280.9 | 296.3 | 311.6 | 325.4 |
| -77.5° | 176.9 | 188.6 | 199.2 | 209.7 | 220.8 | 232.5 | 244.7 | 257.0 | 269.5 | 282.2 | 293.0 |
| -80° | 164.8 | 175.8 | 185.1 | 194.3 | 203.8 | 213.4 | 223.9 | 234.5 | 245.0 | 255.7 | 265.0 |
| -82.5° | 152.3 | 161.7 | 170.1 | 178.4 | 186.5 | 194.6 | 203.6 | 212.8 | 222.0 | 231.1 | 239.0 |
| -85° | 140.3 | 147.5 | 154.7 | 161.9 | 169.0 | 176.1 | 184.2 | 192.2 | 199.9 | 207.5 | 214.3 |
| -87.5° | 131.4 | 138.0 | 144.1 | 150.1 | 155.8 | 161.5 | 168.5 | 175.4 | 181.4 | 187.3 | 192.9 |
| -90° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.7 | 1.1 | 1.1 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 183.8 | 187.2 | 190.5 | 193.4 | 196.2 | 200.1 | 204.0 | 209.7 | 215.3 | 222.1 | 228.8 |
| 87.5° | 2.1 | 2.1 | 2.1 | 1.6 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.7 | 2.3 |
| 85° | 2.3 | 2.3 | 2.3 | 2.6 | 3.0 | 3.0 | 3.1 | 3.2 | 3.2 | 3.3 | 3.4 |
| 82.5° | 2.8 | 2.9 | 3.0 | 3.2 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.9 | 4.4 |
| 80° | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 3.8 | 3.4 | 3.4 | 3.4 | 3.9 | 4.5 |
| 77.5° | 4.6 | 4.6 | 4.5 | 4.3 | 4.0 | 3.7 | 3.4 | 3.4 | 3.4 | 3.5 | 3.5 |
| 75° | 5.5 | 5.6 | 6.0 | 6.3 | 6.9 | 7.0 | 6.5 | 6.6 | 7.0 | 6.9 | 6.6 |
| 72.5° | 12.4 | 12.8 | 12.8 | 14.2 | 15.7 | 16.2 | 16.5 | 17.6 | 18.9 | 20.7 | 22.6 |
| 70° | 24.2 | 26.7 | 27.7 | 27.8 | 26.7 | 26.0 | 25.5 | 25.3 | 25.8 | 27.0 | 28.5 |
| 67.5° | 34.9 | 36.0 | 35.5 | 35.1 | 33.0 | 30.4 | 27.6 | 26.1 | 26.7 | 28.0 | 29.7 |
| 65° | 39.5 | 36.4 | 34.1 | 33.3 | 31.3 | 28.2 | 23.9 | 21.0 | 20.4 | 19.9 | 19.7 |
| 62.5° | 35.5 | 29.9 | 27.2 | 25.7 | 23.0 | 20.4 | 16.4 | 13.3 | 12.2 | 11.4 | 11.3 |
| 60° | 30.9 | 24.0 | 19.8 | 17.7 | 14.8 | 11.5 | 9.5 | 7.2 | 6.5 | 6.0 | 6.2 |
| 57.5° | 26.9 | 19.9 | 15.0 | 14.1 | 11.4 | 9.0 | 7.2 | 5.3 | 4.8 | 4.5 | 4.7 |
| 55° | 27.7 | 24.2 | 20.2 | 18.2 | 15.1 | 13.7 | 12.1 | 10.9 | 10.0 | 10.2 | 10.8 |
| 52.5° | 39.1 | 42.0 | 37.0 | 35.7 | 44.4 | 44.5 | 36.8 | 48.7 | 56.0 | 61.5 | 63.1 |
| 50° | 100.9 | 100.2 | 133.2 | 127.6 | 158.1 | 183.0 | 184.0 | 199.1 | 228.0 | 247.7 | 258.4 |
| 47.5° | 268.1 | 298.2 | 336.6 | 376.9 | 408.5 | 447.9 | 487.8 | 517.5 | 524.8 | 525.6 | 530.8 |
| 45° | 504.7 | 547.6 | 605.4 | 647.8 | 707.6 | 744.4 | 774.9 | 802.6 | 866.4 | 925.2 | 993.8 |
| 42.5° | 704.7 | 751.7 | 811.6 | 897.8 | 960.6 | 1128.4 | 1385.2 | 1448.4 | 1457.4 | 1509.7 | 1585.7 |
| 40° | 862.7 | 924.2 | 1057.4 | 1246.1 | 1648.3 | 2009.0 | 2074.0 | 2128.2 | 2152.1 | 2123.1 | 2174.8 |
| 37.5° | 1053.9 | 1198.2 | 1497.8 | 2014.0 | 2204.7 | 2302.9 | 2372.0 | 2413.5 | 2463.9 | 2510.4 | 2535.8 |
| 35° | 1371.3 | 1773.3 | 2036.0 | 2311.7 | 2436.4 | 2486.1 | 2536.9 | 2588.0 | 2627.7 | 2679.2 | 2720.4 |
| 32.5° | 2022.9 | 2470.5 | 2496.9 | 2565.0 | 2630.0 | 2694.8 | 2742.1 | 2790.8 | 2833.1 | 2899.8 | 3040.0 |
| 30° | 2679.3 | 2777.0 | 2800.9 | 2807.0 | 2866.3 | 2943.9 | 2985.0 | 3083.3 | 3216.0 | 3368.2 | 3692.1 |
| 27.5° | 3028.8 | 3096.0 | 3109.9 | 3116.6 | 3144.2 | 3236.0 | 3406.1 | 3540.3 | 3858.8 | 4245.4 | 5077.8 |
| 25° | 3454.3 | 3502.1 | 3552.7 | 3550.5 | 3592.5 | 3755.0 | 4087.7 | 4370.9 | 5447.0 | 6453.9 | 8623.4 |
| 22.5° | 3860.3 | 4004.7 | 4076.7 | 4173.1 | 4315.6 | 4611.3 | 5194.9 | 6834.0 | 9574.6 | 13072.0 | 17426.0 |
| 20° | 4142.4 | 4336.7 | 4530.3 | 4799.4 | 5143.7 | 5757.6 | 7580.5 | 12485.5 | 18343.1 | 26842.7 | 33971.7 |
| 17.5° | 4427.0 | 4646.5 | 4988.9 | 5404.0 | 5982.3 | 8043.4 | 13387.9 | 21716.3 | 33745.4 | 48835.0 | 62074.6 |
| 15° | 4798.1 | 5058.6 | 5517.1 | 6109.7 | 7725.5 | 12125.2 | 21040.7 | 36195.1 | 54481.6 | 75693.3 | 97944.2 |
| 12.5° | 5050.8 | 5409.7 | 5954.8 | 6720.1 | 9372.4 | 17612.5 | 31967.3 | 52742.2 | 77910.8 | 104638.1 | 140106.5 |
| 10° | 5237.5 | 5666.7 | 6407.1 | 7993.8 | 12803.1 | 23669.3 | 40919.3 | 66846.0 | 101351.3 | 142085.8 | 182636.8 |
| 7.5° | 5394.3 | 5972.4 | 6901.9 | 8901.3 | 15763.1 | 29462.7 | 51451.1 | 82964.0 | 123789.5 | 172872.5 | 220029.8 |
| 5° | 5535.3 | 6301.6 | 7378.0 | 9879.4 | 18415.3 | 33657.3 | 58454.9 | 95001.0 | 142277.5 | 195884.3 | 247949.1 |
| 2.5° | 5721.6 | 6609.8 | 7686.9 | 10148.5 | 19477.0 | 35981.5 | 64004.7 | 104720.8 | 155477.6 | 211868.3 | 268515.2 |
| 0° | 5980.5 | 6810.3 | 7875.6 | 10320.8 | 19146.7 | 37437.8 | 67405.8 | 109598.7 | 161262.4 | 218581.9 | 277994.9 |
| -2.5° | 6184.1 | 6925.7 | 7985.6 | 10182.0 | 18985.3 | 36752.9 | 65870.8 | 106755.2 | 155599.0 | 210986.3 | 270251.5 |
| -5° | 6315.6 | 7008.6 | 8033.8 | 10233.8 | 18577.9 | 34135.3 | 61337.1 | 99305.1 | 144066.1 | 194063.7 | 248866.2 |
| -7.5° | 6392.5 | 7038.9 | 7983.7 | 9907.6 | 16727.5 | 30569.2 | 53267.1 | 85572.8 | 125727.0 | 171992.0 | 217282.6 |
| -10° | 6438.7 | 7019.2 | 7879.2 | 9445.9 | 14070.2 | 24843.0 | 42053.2 | 69433.0 | 104224.4 | 141504.3 | 178550.3 |
| -12.5° | 6456.0 | 6977.8 | 7731.8 | 8784.8 | 11281.0 | 19449.0 | 33475.9 | 52907.4 | 78733.4 | 109314.2 | 141957.9 |
| -15° | 6422.1 | 6917.6 | 7589.4 | 8501.0 | 10161.7 | 14580.0 | 23358.9 | 36574.6 | 55824.4 | 79172.8 | 102828.1 |
| -17.5° | 6296.0 | 6855.4 | 7378.4 | 8078.3 | 9055.8 | 11139.4 | 16482.5 | 24965.2 | 36704.1 | 52137.3 | 65785.0 |
| -20° | 6128.9 | 6738.0 | 7185.8 | 7804.4 | 8571.9 | 9525.5 | 11239.1 | 16416.1 | 22998.4 | 31933.2 | 40840.7 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 5980.1 | 6537.4 | 7100.4 | 7525.0 | 8126.1 | 8753.0 | 9526.8 | 11007.7 | 14315.2 | 18776.0 | 24422.7 |
| -25° | 5842.8 | 6352.9 | 6930.7 | 7389.9 | 7729.0 | 8172.1 | 8656.9 | 9175.7 | 10299.2 | 11352.6 | 14076.8 |
| -27.5° | 5649.5 | 6178.0 | 6679.0 | 7169.2 | 7495.9 | 7697.1 | 8027.4 | 8349.8 | 8820.4 | 9238.8 | 10038.8 |
| -30° | 5424.7 | 5941.7 | 6418.5 | 6863.8 | 7198.6 | 7410.1 | 7573.9 | 7795.6 | 8044.6 | 8297.9 | 8641.7 |
| -32.5° | 4623.4 | 5664.2 | 6108.0 | 6510.0 | 6855.4 | 7104.0 | 7277.5 | 7423.1 | 7566.8 | 7729.0 | 7910.2 |
| -35° | 3745.6 | 4773.6 | 5775.2 | 6088.6 | 6414.9 | 6744.2 | 7001.4 | 7138.8 | 7263.9 | 7377.5 | 7488.3 |
| -37.5° | 3045.4 | 3770.6 | 4669.5 | 5523.8 | 5920.3 | 6252.8 | 6561.9 | 6802.0 | 6977.4 | 7083.9 | 7183.5 |
| -40° | 2771.4 | 2955.0 | 3646.4 | 4349.9 | 5026.4 | 5640.7 | 5955.0 | 6309.9 | 6598.3 | 6754.7 | 6863.1 |
| -42.5° | 2705.8 | 2790.2 | 2854.7 | 3300.4 | 3838.7 | 4356.5 | 4929.7 | 5498.6 | 5945.1 | 6242.7 | 6464.0 |
| -45° | 2562.2 | 2683.7 | 2780.0 | 2819.7 | 2844.1 | 3221.7 | 3665.5 | 4100.0 | 4601.3 | 5119.2 | 5589.4 |
| -47.5° | 2358.9 | 2516.8 | 2625.6 | 2710.6 | 2761.5 | 2777.5 | 2808.7 | 2906.2 | 3270.2 | 3653.0 | 4017.4 |
| -50° | 2132.1 | 2276.8 | 2407.1 | 2525.5 | 2596.0 | 2653.1 | 2707.7 | 2760.1 | 2804.5 | 2860.5 | 2911.0 |
| -52.5° | 1903.7 | 2036.3 | 2153.5 | 2257.4 | 2350.8 | 2440.8 | 2527.5 | 2592.3 | 2655.6 | 2723.4 | 2778.7 |
| -55° | 1700.3 | 1807.8 | 1905.9 | 1997.2 | 2081.4 | 2157.5 | 2235.8 | 2319.5 | 2406.1 | 2490.8 | 2556.6 |
| -57.5° | 1482.7 | 1585.6 | 1678.6 | 1755.9 | 1823.7 | 1880.4 | 1952.4 | 2030.8 | 2112.3 | 2187.7 | 2245.0 |
| -60° | 1263.4 | 1354.3 | 1439.4 | 1514.3 | 1578.6 | 1631.5 | 1698.0 | 1764.4 | 1837.0 | 1901.6 | 1952.5 |
| -62.5° | 1055.1 | 1131.7 | 1204.0 | 1269.5 | 1327.9 | 1381.6 | 1440.6 | 1499.9 | 1568.1 | 1628.2 | 1676.9 |
| -65° | 881.9 | 941.3 | 990.8 | 1037.2 | 1073.4 | 1119.8 | 1176.9 | 1231.5 | 1291.0 | 1343.0 | 1386.4 |
| -67.5° | 694.4 | 749.2 | 794.5 | 835.1 | 866.9 | 900.1 | 942.3 | 985.8 | 1031.9 | 1073.3 | 1109.7 |
| -70° | 530.6 | 567.4 | 596.9 | 627.1 | 659.7 | 691.4 | 725.2 | 762.4 | 801.1 | 835.3 | 865.3 |
| -72.5° | 409.3 | 427.5 | 444.7 | 469.3 | 491.2 | 513.2 | 534.7 | 561.3 | 590.0 | 615.9 | 639.3 |
| -75° | 338.1 | 349.4 | 362.5 | 374.2 | 384.3 | 396.1 | 407.9 | 425.3 | 444.1 | 462.0 | 478.7 |
| -77.5° | 303.4 | 311.5 | 318.1 | 323.5 | 328.3 | 335.4 | 343.0 | 356.0 | 369.8 | 384.9 | 399.9 |
| -80° | 273.9 | 280.1 | 285.7 | 290.5 | 294.8 | 300.7 | 306.7 | 318.1 | 329.9 | 342.6 | 355.3 |
| -82.5° | 246.6 | 251.5 | 256.0 | 260.3 | 264.5 | 269.6 | 274.5 | 284.5 | 294.7 | 305.3 | 315.9 |
| -85° | 221.0 | 225.2 | 229.1 | 232.7 | 236.1 | 240.4 | 244.6 | 253.1 | 261.7 | 270.7 | 279.6 |
| -87.5° | 198.5 | 202.3 | 206.1 | 209.3 | 212.5 | 216.2 | 220.0 | 227.4 | 234.9 | 242.4 | 249.9 |
| -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: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 229.4 | 230.0 | 230.6 | 231.1 | 230.6 | 230.0 | 229.4 | 228.8 | 222.1 | 215.3 | 209.7 |
| 87.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.7 | 1.1 | 1.1 |
| 85° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.3 | 3.2 | 3.2 |
| 82.5° | 3.9 | 3.4 | 3.9 | 4.5 | 3.9 | 3.4 | 3.9 | 4.4 | 3.9 | 3.4 | 3.4 |
| 80° | 4.0 | 3.4 | 3.9 | 4.5 | 3.9 | 3.4 | 4.0 | 4.5 | 3.9 | 3.4 | 3.4 |
| 77.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.5 | 3.5 | 3.4 | 3.4 |
| 75° | 5.6 | 4.6 | 4.0 | 3.4 | 4.0 | 4.6 | 5.6 | 6.6 | 6.9 | 7.0 | 6.6 |
| 72.5° | 23.2 | 23.2 | 23.6 | 23.7 | 23.6 | 23.2 | 23.2 | 22.6 | 20.7 | 18.9 | 17.6 |
| 70° | 29.4 | 30.1 | 30.3 | 30.4 | 30.3 | 30.1 | 29.4 | 28.5 | 27.0 | 25.8 | 25.3 |
| 67.5° | 30.0 | 29.4 | 28.8 | 28.2 | 28.8 | 29.4 | 30.0 | 29.7 | 28.0 | 26.7 | 26.1 |
| 65° | 18.8 | 17.5 | 15.5 | 13.5 | 15.5 | 17.5 | 18.8 | 19.7 | 19.9 | 20.4 | 21.0 |
| 62.5° | 10.9 | 10.4 | 10.2 | 10.1 | 10.2 | 10.4 | 10.9 | 11.3 | 11.4 | 12.2 | 13.3 |
| 60° | 6.4 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.4 | 6.2 | 6.0 | 6.5 | 7.2 |
| 57.5° | 4.9 | 5.5 | 6.1 | 6.8 | 6.1 | 5.5 | 4.9 | 4.7 | 4.5 | 4.8 | 5.3 |
| 55° | 11.5 | 12.8 | 13.4 | 13.5 | 13.4 | 12.8 | 11.5 | 10.8 | 10.2 | 10.0 | 10.9 |
| 52.5° | 60.9 | 57.8 | 55.1 | 53.0 | 55.1 | 57.8 | 60.9 | 63.1 | 61.5 | 56.0 | 48.7 |
| 50° | 263.1 | 270.0 | 273.2 | 272.8 | 273.2 | 270.0 | 263.1 | 258.4 | 247.7 | 228.0 | 199.1 |
| 47.5° | 542.0 | 545.8 | 542.7 | 534.4 | 542.7 | 545.8 | 542.0 | 530.8 | 525.6 | 524.8 | 517.5 |
| 45° | 1077.6 | 1030.8 | 947.9 | 874.8 | 947.9 | 1030.8 | 1077.6 | 993.8 | 925.2 | 866.4 | 802.6 |
| 42.5° | 1686.7 | 1742.6 | 1784.5 | 1803.7 | 1784.5 | 1742.6 | 1686.7 | 1585.7 | 1509.7 | 1457.4 | 1448.4 |
| 40° | 2116.7 | 2057.1 | 2044.9 | 2054.0 | 2044.9 | 2057.1 | 2116.7 | 2174.8 | 2123.1 | 2152.1 | 2128.2 |
| 37.5° | 2542.2 | 2596.4 | 2636.7 | 2571.5 | 2636.7 | 2596.4 | 2542.2 | 2535.8 | 2510.4 | 2463.9 | 2413.5 |
| 35° | 2816.3 | 3009.2 | 3235.6 | 3304.2 | 3235.6 | 3009.2 | 2816.3 | 2720.4 | 2679.2 | 2627.7 | 2588.0 |
| 32.5° | 3274.8 | 3478.4 | 3566.6 | 3588.3 | 3566.6 | 3478.4 | 3274.8 | 3040.0 | 2899.8 | 2833.1 | 2790.8 |
| 30° | 4004.2 | 4207.6 | 4244.2 | 4273.7 | 4244.2 | 4207.6 | 4004.2 | 3692.1 | 3368.2 | 3216.0 | 3083.3 |
| 27.5° | 5630.1 | 6085.2 | 6193.2 | 6269.1 | 6193.2 | 6085.2 | 5630.1 | 5077.8 | 4245.4 | 3858.8 | 3540.3 |
| 25° | 10336.1 | 11519.9 | 12293.1 | 12218.1 | 12293.1 | 11519.9 | 10336.1 | 8623.4 | 6453.9 | 5447.0 | 4370.9 |
| 22.5° | 21788.5 | 24112.2 | 25352.1 | 25330.2 | 25352.1 | 24112.2 | 21788.5 | 17426.0 | 13072.0 | 9574.6 | 6834.0 |
| 20° | 44128.2 | 51004.0 | 54725.6 | 54301.6 | 54725.6 | 51004.0 | 44128.2 | 33971.7 | 26842.7 | 18343.1 | 12485.5 |
| 17.5° | 76945.5 | 90225.5 | 99503.3 | 99883.3 | 99503.3 | 90225.5 | 76945.5 | 62074.6 | 48835.0 | 33745.4 | 21716.3 |
| 15° | 118980.7 | 138684.9 | 152594.9 | 152593.2 | 152594.9 | 138684.9 | 118980.7 | 97944.2 | 75693.3 | 54481.6 | 36195.1 |
| 12.5° | 170139.9 | 193693.0 | 209608.2 | 211994.9 | 209608.2 | 193693.0 | 170139.9 | 140106.5 | 104638.1 | 77910.8 | 52742.2 |
| 10° | 219239.3 | 245917.8 | 269978.1 | 276602.7 | 269978.1 | 245917.8 | 219239.3 | 182636.8 | 142085.8 | 101351.3 | 66846.0 |
| 7.5° | 260797.9 | 302765.3 | 324681.9 | 331584.7 | 324681.9 | 302765.3 | 260797.9 | 220029.8 | 172872.5 | 123789.5 | 82964.0 |
| 5° | 301590.3 | 337916.6 | 356317.5 | 361644.6 | 356317.5 | 337916.6 | 301590.3 | 247949.1 | 195884.3 | 142277.5 | 95001.0 |
| 2.5° | 323048.5 | 356392.3 | 382255.0 | 397253.8 | 382255.0 | 356392.3 | 323048.5 | 268515.2 | 211868.3 | 155477.6 | 104720.8 |
| 0° | 331121.9 | 362801.2 | 397485.5 | 421109.4 | 397485.5 | 362801.2 | 331121.9 | 277994.9 | 218581.9 | 161262.4 | 109598.7 |
| -2.5° | 323046.7 | 353700.3 | 379260.4 | 391704.5 | 379260.4 | 353700.3 | 323046.7 | 270251.5 | 210986.3 | 155599.0 | 106755.2 |
| -5° | 298568.0 | 334623.5 | 353233.2 | 357944.6 | 353233.2 | 334623.5 | 298568.0 | 248866.2 | 194063.7 | 144066.1 | 99305.1 |
| -7.5° | 259472.1 | 294148.5 | 316965.2 | 322104.3 | 316965.2 | 294148.5 | 259472.1 | 217282.6 | 171992.0 | 125727.0 | 85572.8 |
| -10° | 215947.0 | 245566.4 | 260959.2 | 264765.6 | 260959.2 | 245566.4 | 215947.0 | 178550.3 | 141504.3 | 104224.4 | 69433.0 |
| -12.5° | 167795.6 | 189517.1 | 205230.0 | 207362.7 | 205230.0 | 189517.1 | 167795.6 | 141957.9 | 109314.2 | 78733.4 | 52907.4 |
| -15° | 124897.9 | 139263.4 | 151931.2 | 153386.8 | 151931.2 | 139263.4 | 124897.9 | 102828.1 | 79172.8 | 55824.4 | 36574.6 |
| -17.5° | 83675.1 | 95568.6 | 102656.5 | 104701.6 | 102656.5 | 95568.6 | 83675.1 | 65785.0 | 52137.3 | 36704.1 | 24965.2 |
| -20° | 50135.2 | 58645.9 | 63369.4 | 63546.9 | 63369.4 | 58645.9 | 50135.2 | 40840.7 | 31933.2 | 22998.4 | 16416.1 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 29086.0 | 33821.4 | 36320.6 | 36272.1 | 36320.6 | 33821.4 | 29086.0 | 24422.7 | 18776.0 | 14315.2 | 11007.7 |
| -25° | 16774.5 | 18847.8 | 19675.3 | 19704.8 | 19675.3 | 18847.8 | 16774.5 | 14076.8 | 11352.6 | 10299.2 | 9175.7 |
| -27.5° | 10681.0 | 11157.0 | 11347.7 | 11378.2 | 11347.7 | 11157.0 | 10681.0 | 10038.8 | 9238.8 | 8820.4 | 8349.8 |
| -30° | 8955.1 | 9233.6 | 9361.6 | 9397.5 | 9361.6 | 9233.6 | 8955.1 | 8641.7 | 8297.9 | 8044.6 | 7795.6 |
| -32.5° | 8080.2 | 8233.7 | 8337.1 | 8322.0 | 8337.1 | 8233.7 | 8080.2 | 7910.2 | 7729.0 | 7566.8 | 7423.1 |
| -35° | 7596.6 | 7691.5 | 7749.6 | 7777.5 | 7749.6 | 7691.5 | 7596.6 | 7488.3 | 7377.5 | 7263.9 | 7138.8 |
| -37.5° | 7283.0 | 7367.9 | 7422.8 | 7439.3 | 7422.8 | 7367.9 | 7283.0 | 7183.5 | 7083.9 | 6977.4 | 6802.0 |
| -40° | 6956.6 | 7027.3 | 7072.5 | 7088.7 | 7072.5 | 7027.3 | 6956.6 | 6863.1 | 6754.7 | 6598.3 | 6309.9 |
| -42.5° | 6604.3 | 6680.3 | 6716.4 | 6716.7 | 6716.4 | 6680.3 | 6604.3 | 6464.0 | 6242.7 | 5945.1 | 5498.6 |
| -45° | 5975.1 | 6208.7 | 6325.7 | 6331.1 | 6325.7 | 6208.7 | 5975.1 | 5589.4 | 5119.2 | 4601.3 | 4100.0 |
| -47.5° | 4348.9 | 4579.8 | 4765.4 | 4902.8 | 4765.4 | 4579.8 | 4348.9 | 4017.4 | 3653.0 | 3270.2 | 2906.2 |
| -50° | 2955.1 | 2970.4 | 2971.3 | 2958.1 | 2971.3 | 2970.4 | 2955.1 | 2911.0 | 2860.5 | 2804.5 | 2760.1 |
| -52.5° | 2821.8 | 2837.6 | 2849.1 | 2855.5 | 2849.1 | 2837.6 | 2821.8 | 2778.7 | 2723.4 | 2655.6 | 2592.3 |
| -55° | 2605.2 | 2625.1 | 2633.3 | 2630.1 | 2633.3 | 2625.1 | 2605.2 | 2556.6 | 2490.8 | 2406.1 | 2319.5 |
| -57.5° | 2283.4 | 2296.5 | 2302.7 | 2300.9 | 2302.7 | 2296.5 | 2283.4 | 2245.0 | 2187.7 | 2112.3 | 2030.8 |
| -60° | 1983.8 | 1993.5 | 1999.1 | 1998.8 | 1999.1 | 1993.5 | 1983.8 | 1952.5 | 1901.6 | 1837.0 | 1764.4 |
| -62.5° | 1704.3 | 1713.1 | 1719.4 | 1720.3 | 1719.4 | 1713.1 | 1704.3 | 1676.9 | 1628.2 | 1568.1 | 1499.9 |
| -65° | 1408.2 | 1414.8 | 1419.0 | 1418.2 | 1419.0 | 1414.8 | 1408.2 | 1386.4 | 1343.0 | 1291.0 | 1231.5 |
| -67.5° | 1125.7 | 1130.3 | 1134.2 | 1134.1 | 1134.2 | 1130.3 | 1125.7 | 1109.7 | 1073.3 | 1031.9 | 985.8 |
| -70° | 874.8 | 875.3 | 877.1 | 875.9 | 877.1 | 875.3 | 874.8 | 865.3 | 835.3 | 801.1 | 762.4 |
| -72.5° | 644.8 | 644.2 | 643.9 | 641.5 | 643.9 | 644.2 | 644.8 | 639.3 | 615.9 | 590.0 | 561.3 |
| -75° | 480.3 | 478.7 | 477.0 | 474.6 | 477.0 | 478.7 | 480.3 | 478.7 | 462.0 | 444.1 | 425.3 |
| -77.5° | 401.7 | 401.7 | 399.0 | 395.7 | 399.0 | 401.7 | 401.7 | 399.9 | 384.9 | 369.8 | 356.0 |
| -80° | 356.0 | 355.6 | 354.4 | 352.9 | 354.4 | 355.6 | 356.0 | 355.3 | 342.6 | 329.9 | 318.1 |
| -82.5° | 317.0 | 317.5 | 317.3 | 316.8 | 317.3 | 317.5 | 317.0 | 315.9 | 305.3 | 294.7 | 284.5 |
| -85° | 280.7 | 281.6 | 281.2 | 280.7 | 281.2 | 281.6 | 280.7 | 279.6 | 270.7 | 261.7 | 253.1 |
| -87.5° | 250.7 | 251.3 | 251.4 | 251.4 | 251.4 | 251.3 | 250.7 | 249.9 | 242.4 | 234.9 | 227.4 |
| -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: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 204.0 | 200.1 | 196.2 | 193.4 | 190.5 | 187.2 | 183.8 | 178.7 | 173.6 | 168.6 | 163.5 |
| 87.5° | 1.1 | 1.1 | 1.1 | 1.6 | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 | 2.1 | 2.3 |
| 85° | 3.1 | 3.0 | 3.0 | 2.6 | 2.3 | 2.3 | 2.3 | 2.6 | 2.9 | 2.8 | 2.8 |
| 82.5° | 3.4 | 3.4 | 3.4 | 3.2 | 3.0 | 2.9 | 2.8 | 3.1 | 3.4 | 3.4 | 3.4 |
| 80° | 3.4 | 3.8 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.5 |
| 77.5° | 3.4 | 3.7 | 4.0 | 4.3 | 4.5 | 4.6 | 4.6 | 4.5 | 4.4 | 4.6 | 4.6 |
| 75° | 6.5 | 7.0 | 6.9 | 6.3 | 6.0 | 5.6 | 5.5 | 5.3 | 5.2 | 5.4 | 5.6 |
| 72.5° | 16.5 | 16.2 | 15.7 | 14.2 | 12.8 | 12.8 | 12.4 | 11.2 | 9.3 | 7.0 | 5.6 |
| 70° | 25.5 | 26.0 | 26.7 | 27.8 | 27.7 | 26.7 | 24.2 | 21.4 | 18.3 | 15.1 | 11.6 |
| 67.5° | 27.6 | 30.4 | 33.0 | 35.1 | 35.5 | 36.0 | 34.9 | 33.2 | 32.7 | 29.9 | 21.6 |
| 65° | 23.9 | 28.2 | 31.3 | 33.3 | 34.1 | 36.4 | 39.5 | 39.9 | 43.2 | 43.8 | 35.8 |
| 62.5° | 16.4 | 20.4 | 23.0 | 25.7 | 27.2 | 29.9 | 35.5 | 41.3 | 49.5 | 52.9 | 45.8 |
| 60° | 9.5 | 11.5 | 14.8 | 17.7 | 19.8 | 24.0 | 30.9 | 40.0 | 51.0 | 52.3 | 50.5 |
| 57.5° | 7.2 | 9.0 | 11.4 | 14.1 | 15.0 | 19.9 | 26.9 | 37.6 | 48.7 | 50.8 | 47.7 |
| 55° | 12.1 | 13.7 | 15.1 | 18.2 | 20.2 | 24.2 | 27.7 | 36.6 | 47.3 | 51.7 | 52.1 |
| 52.5° | 36.8 | 44.5 | 44.4 | 35.7 | 37.0 | 42.0 | 39.1 | 46.2 | 53.2 | 59.2 | 61.5 |
| 50° | 184.0 | 183.0 | 158.1 | 127.6 | 133.2 | 100.2 | 100.9 | 89.1 | 79.2 | 82.0 | 78.8 |
| 47.5° | 487.8 | 447.9 | 408.5 | 376.9 | 336.6 | 298.2 | 268.1 | 211.7 | 194.7 | 138.0 | 136.7 |
| 45° | 774.9 | 744.4 | 707.6 | 647.8 | 605.4 | 547.6 | 504.7 | 448.4 | 381.2 | 324.5 | 231.2 |
| 42.5° | 1385.2 | 1128.4 | 960.6 | 897.8 | 811.6 | 751.7 | 704.7 | 656.2 | 606.2 | 534.9 | 448.2 |
| 40° | 2074.0 | 2009.0 | 1648.3 | 1246.1 | 1057.4 | 924.2 | 862.7 | 820.2 | 794.5 | 739.7 | 657.0 |
| 37.5° | 2372.0 | 2302.9 | 2204.7 | 2014.0 | 1497.8 | 1198.2 | 1053.9 | 971.4 | 964.9 | 914.2 | 841.0 |
| 35° | 2536.9 | 2486.1 | 2436.4 | 2311.7 | 2036.0 | 1773.3 | 1371.3 | 1178.9 | 1085.7 | 1063.9 | 1003.8 |
| 32.5° | 2742.1 | 2694.8 | 2630.0 | 2565.0 | 2496.9 | 2470.5 | 2022.9 | 1552.2 | 1236.9 | 1175.2 | 1122.0 |
| 30° | 2985.0 | 2943.9 | 2866.3 | 2807.0 | 2800.9 | 2777.0 | 2679.3 | 2105.8 | 1595.8 | 1271.9 | 1235.2 |
| 27.5° | 3406.1 | 3236.0 | 3144.2 | 3116.6 | 3109.9 | 3096.0 | 3028.8 | 2758.6 | 2021.2 | 1541.9 | 1331.7 |
| 25° | 4087.7 | 3755.0 | 3592.5 | 3550.5 | 3552.7 | 3502.1 | 3454.3 | 3231.0 | 2681.4 | 1868.5 | 1431.6 |
| 22.5° | 5194.9 | 4611.3 | 4315.6 | 4173.1 | 4076.7 | 4004.7 | 3860.3 | 3651.7 | 3366.4 | 2336.9 | 1710.8 |
| 20° | 7580.5 | 5757.6 | 5143.7 | 4799.4 | 4530.3 | 4336.7 | 4142.4 | 3950.7 | 3629.6 | 2905.7 | 2005.2 |
| 17.5° | 13387.9 | 8043.4 | 5982.3 | 5404.0 | 4988.9 | 4646.5 | 4427.0 | 4181.8 | 3865.8 | 3356.3 | 2253.6 |
| 15° | 21040.7 | 12125.2 | 7725.5 | 6109.7 | 5517.1 | 5058.6 | 4798.1 | 4485.3 | 4151.5 | 3636.1 | 2617.9 |
| 12.5° | 31967.3 | 17612.5 | 9372.4 | 6720.1 | 5954.8 | 5409.7 | 5050.8 | 4793.7 | 4433.0 | 3928.1 | 3059.5 |
| 10° | 40919.3 | 23669.3 | 12803.1 | 7993.8 | 6407.1 | 5666.7 | 5237.5 | 4960.3 | 4633.4 | 4195.3 | 3472.0 |
| 7.5° | 51451.1 | 29462.7 | 15763.1 | 8901.3 | 6901.9 | 5972.4 | 5394.3 | 5077.8 | 4765.7 | 4300.2 | 3697.8 |
| 5° | 58454.9 | 33657.3 | 18415.3 | 9879.4 | 7378.0 | 6301.6 | 5535.3 | 5162.4 | 4831.7 | 4333.4 | 3849.7 |
| 2.5° | 64004.7 | 35981.5 | 19477.0 | 10148.5 | 7686.9 | 6609.8 | 5721.6 | 5267.5 | 4878.8 | 4373.5 | 3965.5 |
| 0° | 67405.8 | 37437.8 | 19146.7 | 10320.8 | 7875.6 | 6810.3 | 5980.5 | 5384.2 | 4899.4 | 4398.9 | 4028.0 |
| -2.5° | 65870.8 | 36752.9 | 18985.3 | 10182.0 | 7985.6 | 6925.7 | 6184.1 | 5646.0 | 5013.2 | 4435.8 | 4054.8 |
| -5° | 61337.1 | 34135.3 | 18577.9 | 10233.8 | 8033.8 | 7008.6 | 6315.6 | 5812.3 | 5118.2 | 4479.9 | 4029.8 |
| -7.5° | 53267.1 | 30569.2 | 16727.5 | 9907.6 | 7983.7 | 7038.9 | 6392.5 | 5895.9 | 5249.9 | 4618.0 | 4001.1 |
| -10° | 42053.2 | 24843.0 | 14070.2 | 9445.9 | 7879.2 | 7019.2 | 6438.7 | 5902.9 | 5300.2 | 4717.8 | 3904.0 |
| -12.5° | 33475.9 | 19449.0 | 11281.0 | 8784.8 | 7731.8 | 6977.8 | 6456.0 | 5860.1 | 5319.1 | 4809.8 | 3787.4 |
| -15° | 23358.9 | 14580.0 | 10161.7 | 8501.0 | 7589.4 | 6917.6 | 6422.1 | 5779.8 | 5299.3 | 4850.8 | 3571.0 |
| -17.5° | 16482.5 | 11139.4 | 9055.8 | 8078.3 | 7378.4 | 6855.4 | 6296.0 | 5718.7 | 5238.2 | 4630.3 | 3237.6 |
| -20° | 11239.1 | 9525.5 | 8571.9 | 7804.4 | 7185.8 | 6738.0 | 6128.9 | 5627.9 | 5117.9 | 4168.3 | 2993.6 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 9526.8 | 8753.0 | 8126.1 | 7525.0 | 7100.4 | 6537.4 | 5980.1 | 5490.9 | 4941.8 | 3644.7 | 2724.7 |
| -25° | 8656.9 | 8172.1 | 7729.0 | 7389.9 | 6930.7 | 6352.9 | 5842.8 | 5273.4 | 4345.1 | 3211.9 | 2476.9 |
| -27.5° | 8027.4 | 7697.1 | 7495.9 | 7169.2 | 6679.0 | 6178.0 | 5649.5 | 4943.0 | 3662.8 | 2860.1 | 2483.9 |
| -30° | 7573.9 | 7410.1 | 7198.6 | 6863.8 | 6418.5 | 5941.7 | 5424.7 | 4226.4 | 3197.2 | 2584.8 | 2474.8 |
| -32.5° | 7277.5 | 7104.0 | 6855.4 | 6510.0 | 6108.0 | 5664.2 | 4623.4 | 3551.7 | 2767.8 | 2567.4 | 2416.6 |
| -35° | 7001.4 | 6744.2 | 6414.9 | 6088.6 | 5775.2 | 4773.6 | 3745.6 | 2974.1 | 2655.4 | 2526.3 | 2337.3 |
| -37.5° | 6561.9 | 6252.8 | 5920.3 | 5523.8 | 4669.5 | 3770.6 | 3045.4 | 2727.4 | 2614.6 | 2436.0 | 2219.4 |
| -40° | 5955.0 | 5640.7 | 5026.4 | 4349.9 | 3646.4 | 2955.0 | 2771.4 | 2683.8 | 2511.8 | 2315.7 | 2077.1 |
| -42.5° | 4929.7 | 4356.5 | 3838.7 | 3300.4 | 2854.7 | 2790.2 | 2705.8 | 2556.9 | 2375.5 | 2151.9 | 1927.0 |
| -45° | 3665.5 | 3221.7 | 2844.1 | 2819.7 | 2780.0 | 2683.7 | 2562.2 | 2390.2 | 2191.7 | 1980.7 | 1768.0 |
| -47.5° | 2808.7 | 2777.5 | 2761.5 | 2710.6 | 2625.6 | 2516.8 | 2358.9 | 2189.1 | 1997.5 | 1803.7 | 1621.6 |
| -50° | 2707.7 | 2653.1 | 2596.0 | 2525.5 | 2407.1 | 2276.8 | 2132.1 | 1972.5 | 1803.9 | 1641.4 | 1469.6 |
| -52.5° | 2527.5 | 2440.8 | 2350.8 | 2257.4 | 2153.5 | 2036.3 | 1903.7 | 1771.7 | 1629.1 | 1470.8 | 1311.9 |
| -55° | 2235.8 | 2157.5 | 2081.4 | 1997.2 | 1905.9 | 1807.8 | 1700.3 | 1575.3 | 1435.2 | 1289.6 | 1154.6 |
| -57.5° | 1952.4 | 1880.4 | 1823.7 | 1755.9 | 1678.6 | 1585.6 | 1482.7 | 1361.1 | 1237.5 | 1115.7 | 998.1 |
| -60° | 1698.0 | 1631.5 | 1578.6 | 1514.3 | 1439.4 | 1354.3 | 1263.4 | 1160.2 | 1048.2 | 957.6 | 868.7 |
| -62.5° | 1440.6 | 1381.6 | 1327.9 | 1269.5 | 1204.0 | 1131.7 | 1055.1 | 981.3 | 898.0 | 815.1 | 728.8 |
| -65° | 1176.9 | 1119.8 | 1073.4 | 1037.2 | 990.8 | 941.3 | 881.9 | 816.4 | 738.9 | 662.9 | 583.6 |
| -67.5° | 942.3 | 900.1 | 866.9 | 835.1 | 794.5 | 749.2 | 694.4 | 635.7 | 579.3 | 523.4 | 461.4 |
| -70° | 725.2 | 691.4 | 659.7 | 627.1 | 596.9 | 567.4 | 530.6 | 488.5 | 441.2 | 404.1 | 370.5 |
| -72.5° | 534.7 | 513.2 | 491.2 | 469.3 | 444.7 | 427.5 | 409.3 | 386.6 | 360.8 | 332.2 | 307.5 |
| -75° | 407.9 | 396.1 | 384.3 | 374.2 | 362.5 | 349.4 | 338.1 | 325.4 | 311.6 | 296.3 | 280.9 |
| -77.5° | 343.0 | 335.4 | 328.3 | 323.5 | 318.1 | 311.5 | 303.4 | 293.0 | 282.2 | 269.5 | 257.0 |
| -80° | 306.7 | 300.7 | 294.8 | 290.5 | 285.7 | 280.1 | 273.9 | 265.0 | 255.7 | 245.0 | 234.5 |
| -82.5° | 274.5 | 269.6 | 264.5 | 260.3 | 256.0 | 251.5 | 246.6 | 239.0 | 231.1 | 222.0 | 212.8 |
| -85° | 244.6 | 240.4 | 236.1 | 232.7 | 229.1 | 225.2 | 221.0 | 214.3 | 207.5 | 199.9 | 192.2 |
| -87.5° | 220.0 | 216.2 | 212.5 | 209.3 | 206.1 | 202.3 | 198.5 | 192.9 | 187.3 | 181.4 | 175.4 |
| -90° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.7 | 2.3 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 156.7 | 149.9 | 144.9 | 139.8 | 134.2 | 128.5 | 122.3 | 116.1 | 108.2 | 100.3 | 90.8 |
| 87.5° | 2.3 | 2.3 | 2.6 | 2.9 | 2.9 | 2.8 | 2.8 | 2.8 | 2.9 | 3.1 | 3.3 |
| 85° | 2.7 | 2.6 | 3.0 | 3.4 | 3.4 | 3.4 | 3.3 | 3.2 | 3.6 | 3.8 | 3.8 |
| 82.5° | 3.4 | 3.3 | 3.3 | 3.4 | 3.8 | 3.9 | 3.8 | 3.7 | 4.1 | 4.5 | 4.3 |
| 80° | 3.8 | 4.0 | 3.9 | 3.8 | 4.1 | 4.5 | 4.3 | 4.2 | 4.6 | 4.9 | 4.8 |
| 77.5° | 4.6 | 4.7 | 4.5 | 4.4 | 4.4 | 4.6 | 4.7 | 4.7 | 5.0 | 5.3 | 5.4 |
| 75° | 5.6 | 5.2 | 4.7 | 4.7 | 4.8 | 4.7 | 5.0 | 5.3 | 5.7 | 5.8 | 5.9 |
| 72.5° | 5.6 | 5.6 | 5.1 | 5.1 | 5.7 | 5.9 | 5.9 | 6.0 | 6.5 | 6.8 | 6.7 |
| 70° | 8.5 | 6.6 | 6.2 | 6.5 | 6.9 | 7.3 | 7.4 | 7.5 | 7.4 | 7.8 | 7.8 |
| 67.5° | 13.6 | 11.3 | 9.4 | 8.2 | 8.2 | 8.7 | 8.9 | 9.4 | 9.4 | 8.9 | 9.0 |
| 65° | 26.2 | 18.9 | 13.3 | 11.7 | 10.4 | 10.3 | 10.6 | 11.4 | 11.5 | 11.3 | 10.3 |
| 62.5° | 37.6 | 29.2 | 22.3 | 16.8 | 14.1 | 14.0 | 12.5 | 13.8 | 13.8 | 13.8 | 12.5 |
| 60° | 47.9 | 39.1 | 32.3 | 26.6 | 21.5 | 18.9 | 17.8 | 16.5 | 16.8 | 16.5 | 15.2 |
| 57.5° | 48.2 | 47.5 | 44.5 | 37.6 | 32.9 | 27.5 | 24.6 | 22.4 | 20.3 | 20.0 | 17.9 |
| 55° | 49.0 | 49.6 | 55.5 | 51.5 | 46.6 | 39.4 | 34.4 | 30.3 | 25.4 | 24.1 | 20.9 |
| 52.5° | 58.6 | 60.2 | 64.9 | 68.1 | 64.4 | 54.5 | 49.2 | 38.9 | 35.0 | 28.5 | 25.0 |
| 50° | 75.1 | 81.0 | 81.7 | 87.4 | 84.5 | 77.9 | 65.2 | 54.6 | 45.4 | 34.8 | 29.5 |
| 47.5° | 117.2 | 122.6 | 112.3 | 115.0 | 109.8 | 104.9 | 89.6 | 73.6 | 56.7 | 45.3 | 34.1 |
| 45° | 222.9 | 191.8 | 173.8 | 158.8 | 145.3 | 139.6 | 119.0 | 94.6 | 76.0 | 56.4 | 38.9 |
| 42.5° | 361.4 | 314.6 | 278.3 | 211.3 | 203.6 | 180.3 | 154.5 | 126.7 | 96.9 | 68.0 | 46.9 |
| 40° | 556.6 | 467.3 | 405.5 | 334.3 | 275.6 | 226.4 | 200.1 | 163.0 | 119.2 | 82.5 | 57.3 |
| 37.5° | 740.5 | 626.4 | 547.9 | 461.3 | 366.3 | 301.8 | 250.4 | 201.8 | 145.8 | 103.0 | 67.9 |
| 35° | 888.2 | 775.0 | 668.7 | 579.2 | 483.0 | 377.4 | 304.4 | 245.3 | 179.9 | 124.2 | 78.8 |
| 32.5° | 1022.3 | 901.9 | 781.3 | 680.6 | 576.1 | 451.1 | 367.3 | 288.4 | 214.3 | 146.2 | 90.1 |
| 30° | 1141.1 | 1026.0 | 888.6 | 763.9 | 652.7 | 528.3 | 426.9 | 328.8 | 248.8 | 168.9 | 103.3 |
| 27.5° | 1270.6 | 1154.6 | 997.5 | 854.3 | 720.3 | 595.4 | 474.4 | 366.2 | 283.1 | 191.9 | 120.5 |
| 25° | 1392.5 | 1274.5 | 1118.8 | 955.9 | 788.4 | 648.8 | 518.7 | 401.1 | 315.3 | 215.2 | 136.7 |
| 22.5° | 1474.1 | 1375.4 | 1230.1 | 1063.3 | 863.7 | 701.0 | 562.0 | 439.2 | 337.2 | 236.5 | 152.0 |
| 20° | 1540.0 | 1464.2 | 1328.5 | 1144.5 | 945.5 | 762.8 | 605.3 | 469.9 | 357.5 | 255.8 | 166.2 |
| 17.5° | 1633.9 | 1535.9 | 1398.4 | 1212.8 | 1020.5 | 825.0 | 647.1 | 498.7 | 376.1 | 273.0 | 179.4 |
| 15° | 1864.8 | 1598.7 | 1466.3 | 1277.0 | 1078.3 | 878.0 | 687.7 | 526.0 | 393.0 | 288.3 | 191.2 |
| 12.5° | 2104.2 | 1659.7 | 1532.0 | 1332.7 | 1121.0 | 923.4 | 726.8 | 551.4 | 408.2 | 303.8 | 201.8 |
| 10° | 2328.9 | 1712.8 | 1593.1 | 1383.4 | 1158.1 | 961.5 | 763.5 | 579.2 | 430.8 | 319.7 | 211.3 |
| 7.5° | 2519.0 | 1761.2 | 1650.6 | 1429.3 | 1191.7 | 995.9 | 800.7 | 614.0 | 453.6 | 334.3 | 219.7 |
| 5° | 2679.5 | 1805.7 | 1706.4 | 1485.9 | 1231.4 | 1027.7 | 833.4 | 646.2 | 474.9 | 347.5 | 226.9 |
| 2.5° | 2788.8 | 1846.0 | 1756.6 | 1538.7 | 1266.1 | 1054.2 | 861.4 | 675.4 | 494.5 | 359.0 | 233.0 |
| 0° | 2861.2 | 1882.7 | 1799.2 | 1583.9 | 1295.3 | 1075.5 | 885.0 | 701.2 | 511.8 | 368.6 | 237.9 |
| -2.5° | 2884.0 | 1920.9 | 1834.2 | 1622.3 | 1341.9 | 1103.9 | 902.2 | 713.2 | 523.6 | 379.4 | 246.0 |
| -5° | 2867.7 | 1956.2 | 1862.7 | 1652.9 | 1380.9 | 1126.7 | 915.0 | 721.4 | 532.8 | 388.1 | 252.7 |
| -7.5° | 2818.8 | 1995.8 | 1886.5 | 1675.7 | 1411.0 | 1143.1 | 922.9 | 725.8 | 539.3 | 394.5 | 257.9 |
| -10° | 2735.2 | 2035.6 | 1905.5 | 1684.2 | 1415.6 | 1151.6 | 926.6 | 726.4 | 543.4 | 398.4 | 261.6 |
| -12.5° | 2630.1 | 2071.9 | 1917.3 | 1682.7 | 1410.0 | 1153.3 | 929.9 | 724.7 | 544.6 | 399.9 | 263.5 |
| -15° | 2495.7 | 2117.9 | 1932.4 | 1672.2 | 1397.5 | 1149.7 | 927.0 | 719.1 | 541.2 | 397.5 | 263.6 |
| -17.5° | 2319.5 | 2160.7 | 1942.1 | 1658.7 | 1380.3 | 1141.0 | 917.7 | 708.5 | 534.8 | 391.1 | 261.3 |
| -20° | 2315.0 | 2179.2 | 1936.9 | 1632.8 | 1355.8 | 1125.0 | 901.7 | 692.6 | 525.3 | 382.3 | 256.9 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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° | 2347.2 | 2171.6 | 1906.3 | 1598.5 | 1326.5 | 1102.4 | 880.6 | 671.9 | 512.8 | 371.2 | 250.9 |
| -25° | 2364.9 | 2157.0 | 1863.8 | 1561.6 | 1296.4 | 1073.7 | 855.9 | 650.1 | 497.1 | 357.9 | 243.3 |
| -27.5° | 2336.1 | 2113.7 | 1808.2 | 1512.3 | 1262.0 | 1039.5 | 827.4 | 634.5 | 483.0 | 342.2 | 234.1 |
| -30° | 2286.7 | 2031.7 | 1740.2 | 1455.0 | 1217.6 | 1000.0 | 793.7 | 615.6 | 467.3 | 329.5 | 223.4 |
| -32.5° | 2213.2 | 1943.5 | 1663.4 | 1400.2 | 1167.1 | 954.5 | 755.5 | 593.1 | 449.1 | 318.7 | 216.4 |
| -35° | 2097.2 | 1844.2 | 1581.0 | 1338.4 | 1111.0 | 908.1 | 719.1 | 567.0 | 428.4 | 305.0 | 210.4 |
| -37.5° | 1971.9 | 1730.1 | 1505.0 | 1271.3 | 1052.4 | 857.4 | 687.0 | 539.3 | 405.2 | 288.4 | 203.7 |
| -40° | 1840.7 | 1614.9 | 1407.0 | 1198.8 | 991.9 | 802.8 | 650.2 | 508.2 | 382.5 | 269.1 | 195.5 |
| -42.5° | 1703.2 | 1502.2 | 1305.7 | 1114.5 | 926.2 | 756.8 | 609.0 | 472.1 | 355.4 | 254.6 | 186.0 |
| -45° | 1574.6 | 1384.0 | 1198.7 | 1025.3 | 856.0 | 705.5 | 563.3 | 432.4 | 325.2 | 242.0 | 178.8 |
| -47.5° | 1439.2 | 1261.3 | 1091.2 | 930.2 | 791.9 | 648.4 | 511.9 | 395.4 | 292.7 | 227.6 | 175.9 |
| -50° | 1299.8 | 1136.4 | 981.7 | 844.0 | 717.4 | 585.0 | 458.2 | 355.5 | 273.3 | 210.6 | 172.4 |
| -52.5° | 1158.5 | 1010.9 | 879.3 | 758.4 | 637.0 | 515.9 | 408.5 | 314.3 | 252.5 | 201.3 | 168.3 |
| -55° | 1015.8 | 896.0 | 782.1 | 666.5 | 552.0 | 451.4 | 354.8 | 288.1 | 230.2 | 195.1 | 163.7 |
| -57.5° | 893.5 | 787.4 | 677.4 | 569.2 | 473.9 | 385.7 | 314.7 | 260.6 | 219.0 | 188.4 | 160.6 |
| -60° | 772.2 | 668.0 | 566.4 | 481.1 | 400.0 | 332.5 | 282.7 | 237.8 | 210.7 | 181.6 | 156.7 |
| -62.5° | 636.7 | 547.0 | 471.5 | 397.4 | 340.9 | 294.0 | 253.0 | 226.5 | 201.5 | 176.2 | 152.3 |
| -65° | 513.2 | 444.5 | 380.1 | 337.7 | 295.6 | 260.2 | 238.7 | 214.4 | 193.3 | 170.3 | 147.6 |
| -67.5° | 399.4 | 362.2 | 324.7 | 286.6 | 263.5 | 243.9 | 223.6 | 204.3 | 185.2 | 164.0 | 142.8 |
| -70° | 335.8 | 302.0 | 279.9 | 262.7 | 245.6 | 227.9 | 211.9 | 195.0 | 176.7 | 157.7 | 137.6 |
| -72.5° | 290.5 | 274.3 | 258.5 | 242.9 | 229.0 | 214.8 | 200.5 | 185.3 | 168.5 | 151.2 | 132.2 |
| -75° | 265.9 | 252.3 | 239.1 | 226.2 | 213.7 | 201.2 | 188.7 | 175.1 | 159.8 | 144.2 | 126.3 |
| -77.5° | 244.7 | 232.5 | 220.8 | 209.7 | 199.2 | 188.6 | 176.9 | 164.5 | 150.8 | 136.7 | 120.1 |
| -80° | 223.9 | 213.4 | 203.8 | 194.3 | 185.1 | 175.8 | 164.8 | 153.8 | 141.4 | 128.7 | 113.6 |
| -82.5° | 203.6 | 194.6 | 186.5 | 178.4 | 170.1 | 161.7 | 152.3 | 143.0 | 131.8 | 120.5 | 107.4 |
| -85° | 184.2 | 176.1 | 169.0 | 161.9 | 154.7 | 147.5 | 140.3 | 133.0 | 123.5 | 113.9 | 102.0 |
| -87.5° | 168.5 | 161.5 | 155.8 | 150.1 | 144.1 | 138.0 | 131.4 | 124.6 | 115.9 | 107.2 | 96.4 |
| -90° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.9 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| 90° | 81.2 | 68.2 | 55.2 | 40.0 | 24.8 | 14.1 | 3.4 |
| 87.5° | 3.7 | 3.8 | 3.8 | 3.7 | 3.6 | 3.7 | 3.4 |
| 85° | 4.0 | 4.1 | 4.2 | 4.0 | 3.8 | 3.9 | 3.4 |
| 82.5° | 4.3 | 4.5 | 4.5 | 4.3 | 4.0 | 4.2 | 3.4 |
| 80° | 4.6 | 4.9 | 4.9 | 4.5 | 4.2 | 4.5 | 3.4 |
| 77.5° | 5.3 | 5.3 | 5.3 | 4.8 | 4.4 | 4.8 | 3.4 |
| 75° | 5.9 | 6.0 | 5.7 | 5.1 | 4.7 | 5.0 | 3.4 |
| 72.5° | 6.6 | 6.6 | 6.3 | 5.4 | 4.9 | 5.3 | 3.4 |
| 70° | 7.3 | 7.3 | 7.0 | 5.7 | 5.2 | 5.6 | 3.4 |
| 67.5° | 8.7 | 8.0 | 7.6 | 6.4 | 5.5 | 5.9 | 3.4 |
| 65° | 10.2 | 9.1 | 8.4 | 7.1 | 5.9 | 6.2 | 3.4 |
| 62.5° | 11.7 | 10.6 | 9.1 | 7.8 | 6.2 | 6.4 | 3.4 |
| 60° | 13.3 | 12.2 | 9.9 | 8.5 | 6.7 | 6.7 | 3.4 |
| 57.5° | 15.8 | 13.8 | 11.4 | 9.2 | 7.4 | 7.0 | 3.4 |
| 55° | 18.5 | 15.4 | 12.9 | 9.9 | 8.2 | 7.3 | 3.4 |
| 52.5° | 21.2 | 17.3 | 14.5 | 10.7 | 9.0 | 7.6 | 3.4 |
| 50° | 23.9 | 19.8 | 16.2 | 11.4 | 9.8 | 7.9 | 3.4 |
| 47.5° | 26.8 | 22.4 | 17.9 | 12.3 | 10.7 | 8.3 | 3.4 |
| 45° | 31.0 | 25.2 | 19.6 | 13.6 | 11.5 | 8.6 | 3.4 |
| 42.5° | 35.3 | 28.0 | 21.3 | 14.9 | 12.4 | 8.9 | 3.4 |
| 40° | 40.0 | 30.9 | 23.4 | 16.6 | 13.3 | 9.2 | 3.4 |
| 37.5° | 45.1 | 33.8 | 25.6 | 18.5 | 14.2 | 9.5 | 3.4 |
| 35° | 50.3 | 37.6 | 27.9 | 20.3 | 15.1 | 9.8 | 3.4 |
| 32.5° | 56.8 | 41.7 | 30.2 | 22.2 | 16.1 | 10.1 | 3.4 |
| 30° | 66.2 | 45.9 | 32.5 | 24.1 | 17.0 | 10.4 | 3.4 |
| 27.5° | 75.4 | 50.0 | 35.4 | 26.0 | 17.9 | 10.7 | 3.4 |
| 25° | 84.5 | 54.1 | 38.3 | 27.8 | 18.9 | 11.0 | 3.4 |
| 22.5° | 93.3 | 58.2 | 41.2 | 29.6 | 19.8 | 11.3 | 3.4 |
| 20° | 101.9 | 62.5 | 44.0 | 31.4 | 20.7 | 11.6 | 3.4 |
| 17.5° | 109.9 | 66.6 | 46.8 | 33.2 | 21.6 | 11.9 | 3.4 |
| 15° | 117.2 | 70.5 | 49.4 | 34.9 | 22.5 | 12.2 | 3.4 |
| 12.5° | 124.0 | 74.2 | 52.0 | 36.6 | 23.3 | 12.4 | 3.4 |
| 10° | 130.2 | 77.6 | 54.5 | 38.3 | 24.2 | 12.7 | 3.4 |
| 7.5° | 135.8 | 80.8 | 56.8 | 39.8 | 25.0 | 12.9 | 3.4 |
| 5° | 140.8 | 83.8 | 59.0 | 41.3 | 25.7 | 13.1 | 3.4 |
| 2.5° | 145.1 | 86.6 | 61.1 | 42.7 | 26.4 | 13.3 | 3.4 |
| 0° | 148.8 | 89.1 | 63.1 | 44.0 | 27.1 | 13.5 | 3.4 |
| -2.5° | 153.6 | 92.8 | 65.9 | 46.0 | 28.3 | 14.1 | 3.4 |
| -5° | 157.6 | 96.3 | 68.6 | 47.8 | 29.5 | 14.6 | 3.4 |
| -7.5° | 160.9 | 99.5 | 71.0 | 49.5 | 30.5 | 15.1 | 3.4 |
| -10° | 163.5 | 102.4 | 73.3 | 51.2 | 31.6 | 15.6 | 3.4 |
| -12.5° | 165.2 | 105.0 | 75.5 | 52.7 | 32.5 | 16.1 | 3.4 |
| -15° | 166.1 | 107.3 | 77.4 | 54.0 | 33.4 | 16.5 | 3.4 |
| -17.5° | 166.3 | 109.2 | 79.1 | 55.3 | 34.2 | 16.9 | 3.4 |
| -20° | 165.6 | 110.8 | 80.6 | 56.4 | 35.0 | 17.3 | 3.4 |



REPORT NUMBER: P701638 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-3S-VHE-S

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| -22.5° | 164.4 | 112.1 | 81.9 | 57.4 | 35.7 | 17.6 | 3.4 |
| -25° | 162.2 | 113.2 | 83.0 | 58.2 | 36.3 | 18.0 | 3.4 |
| -27.5° | 159.2 | 114.1 | 83.9 | 58.8 | 36.8 | 18.2 | 3.4 |
| -30° | 155.3 | 114.7 | 84.5 | 59.4 | 37.2 | 18.5 | 3.4 |
| -32.5° | 150.6 | 115.0 | 85.4 | 59.7 | 37.6 | 18.7 | 3.4 |
| -35° | 148.9 | 114.9 | 86.0 | 60.0 | 37.9 | 18.9 | 3.4 |
| -37.5° | 148.4 | 114.8 | 86.4 | 60.0 | 38.1 | 19.0 | 3.4 |
| -40° | 147.5 | 115.0 | 86.5 | 59.9 | 38.2 | 19.1 | 3.4 |
| -42.5° | 146.2 | 115.0 | 86.6 | 59.8 | 38.2 | 19.2 | 3.4 |
| -45° | 144.4 | 114.6 | 86.5 | 59.7 | 38.1 | 19.3 | 3.4 |
| -47.5° | 142.0 | 114.0 | 86.1 | 59.5 | 38.0 | 19.3 | 3.4 |
| -50° | 140.4 | 113.2 | 85.5 | 59.3 | 37.8 | 19.2 | 3.4 |
| -52.5° | 138.7 | 112.0 | 84.7 | 59.1 | 37.5 | 19.1 | 3.4 |
| -55° | 136.5 | 110.4 | 83.6 | 58.7 | 37.1 | 19.0 | 3.4 |
| -57.5° | 134.0 | 108.4 | 82.3 | 58.2 | 36.6 | 18.9 | 3.4 |
| -60° | 131.1 | 106.2 | 80.8 | 57.5 | 36.0 | 18.7 | 3.4 |
| -62.5° | 128.0 | 103.7 | 79.6 | 56.6 | 35.5 | 18.5 | 3.4 |
| -65° | 124.6 | 101.0 | 78.2 | 55.7 | 34.9 | 18.2 | 3.4 |
| -67.5° | 121.0 | 98.2 | 76.5 | 54.5 | 34.2 | 18.0 | 3.4 |
| -70° | 117.0 | 95.4 | 74.7 | 53.3 | 33.4 | 17.6 | 3.4 |
| -72.5° | 112.9 | 92.4 | 72.7 | 52.0 | 32.5 | 17.3 | 3.4 |
| -75° | 108.4 | 89.1 | 70.5 | 50.6 | 31.6 | 16.9 | 3.4 |
| -77.5° | 103.7 | 85.6 | 68.3 | 49.1 | 30.6 | 16.5 | 3.4 |
| -80° | 98.7 | 82.2 | 65.9 | 47.5 | 29.6 | 16.1 | 3.4 |
| -82.5° | 94.5 | 78.9 | 63.5 | 45.8 | 28.4 | 15.6 | 3.4 |
| -85° | 90.2 | 75.5 | 60.8 | 43.9 | 27.3 | 15.1 | 3.4 |
| -87.5° | 85.8 | 71.9 | 58.1 | 42.0 | 26.1 | 14.6 | 3.4 |
| -90° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |

(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

