

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: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-2S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-80-2S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

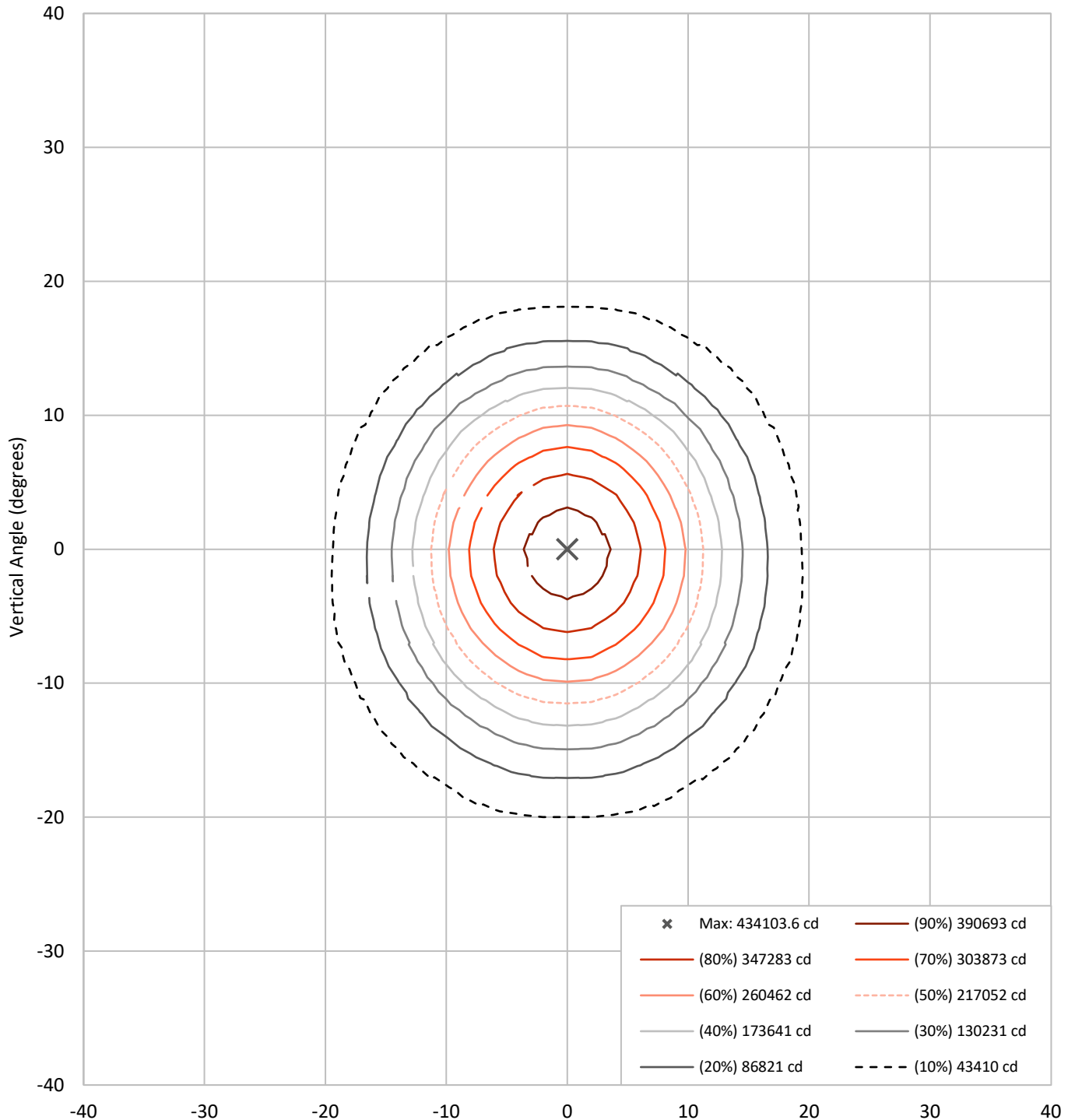
Summary

| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 75874.9 lumens | Max Intensity: | 434103.6 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 135.2 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') | | |
| Beam Angle (50%): | 22.5°H x 22.2°V | Field Angle (10%): | 38.8°H x 38.1°V |
| Beam Lumens: | 35455.1 lumens | Field Lumens: | 63162.5 lumens |
| Beam Efficiency: | 46.7% | Field Efficiency: | 83.2% |

Input Watts (W): 561.4
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: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

Iso-Candela Plot





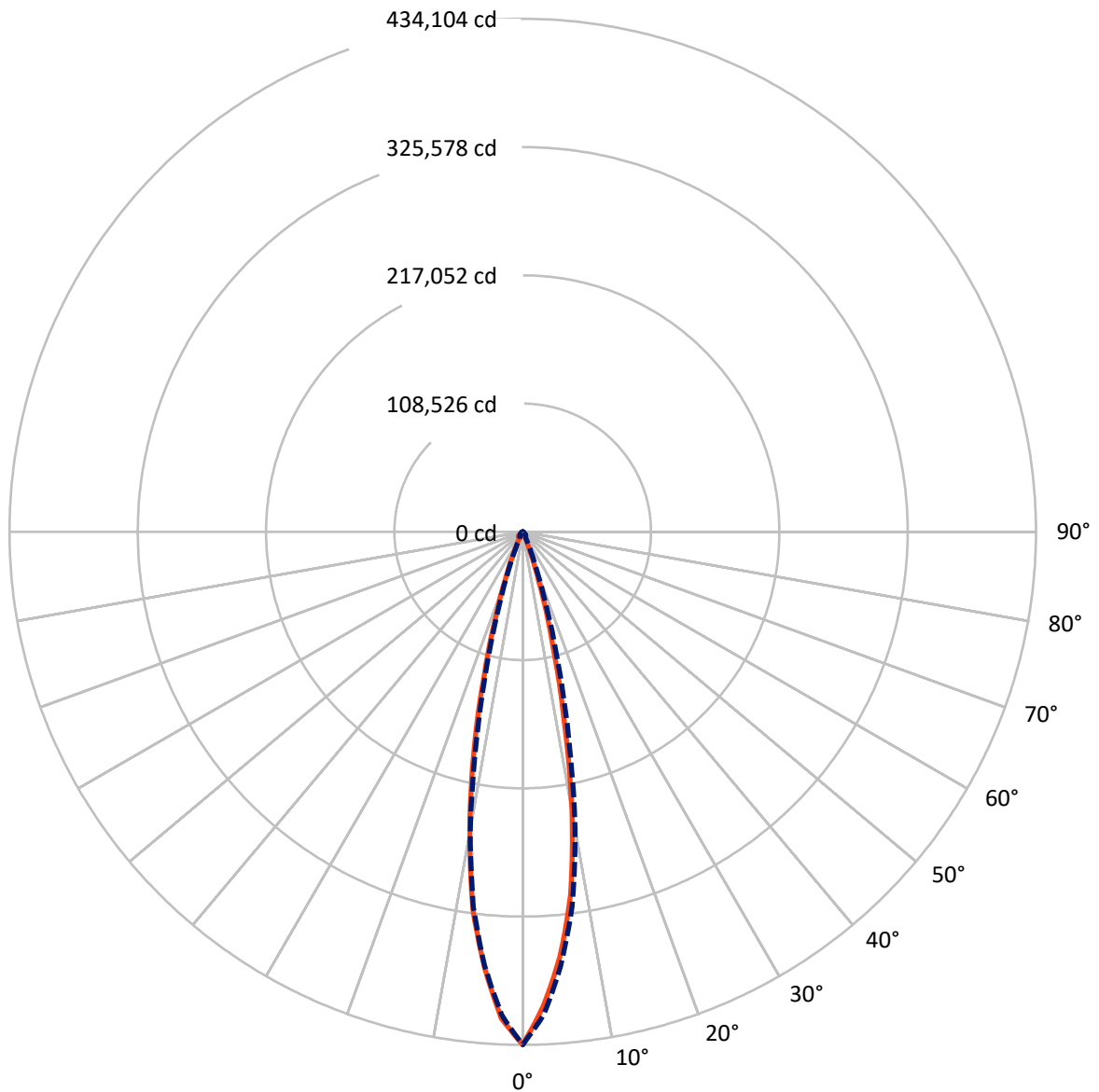
REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|------|------|-------|-------|--------|--------|--------|--------|-------|-------|------|------|-----|-----|--|--|
| 90 | 0.2 | 0.6 | 1.1 | 1.6 | 2.0 | 1.6 | 1.1 | 0.6 | 0.2 | | | | | | | | | |
| 80 | 0.2 | 0.6 | 1.1 | 1.6 | 2.0 | 1.6 | 1.1 | 0.6 | 0.2 | | | | | | | | | |
| 70 | 0.2 | 0.1 | 0.2 | 0.5 | 0.7 | 0.7 | 0.6 | 0.7 | 0.7 | 0.6 | 0.7 | 0.7 | 0.5 | 0.2 | 0.1 | 0.2 | | |
| 60 | | 0.3 | 0.6 | 0.9 | 0.7 | 0.7 | 0.7 | 0.9 | 0.9 | 0.7 | 0.7 | 0.7 | 0.9 | 0.6 | 0.3 | | | |
| 50 | 0.6 | 0.9 | 2.2 | 4.5 | 7.9 | 13.1 | 20.0 | 23.6 | 23.6 | 20.0 | 13.1 | 7.9 | 4.5 | 2.2 | 0.9 | 0.6 | | |
| 40 | | 2.3 | 7.5 | 14.4 | 28.2 | 49.2 | 59.8 | 66.3 | 66.3 | 59.8 | 49.2 | 28.2 | 14.4 | 7.5 | 2.3 | | | |
| 30 | 1.5 | 4.0 | 12.4 | 26.4 | 64.5 | 75.0 | 103.4 | 189.0 | 189.0 | 103.4 | 75.0 | 64.5 | 26.4 | 12.4 | 4.0 | 1.5 | | |
| 20 | | 5.4 | 16.1 | 46.2 | 90.9 | 133.6 | 847.2 | 2732.6 | 2732.6 | 847.2 | 133.6 | 90.9 | 46.2 | 16.1 | 5.4 | | | |
| 10 | 2.2 | 6.5 | 18.6 | 60.4 | 104.1 | 298.6 | 3001.4 | 9022.7 | 9022.7 | 3001.4 | 298.6 | 104.1 | 60.4 | 18.6 | 6.5 | 2.2 | | |
| 0 | | 7.2 | 20.5 | 63.7 | 114.6 | 342.4 | 3268.7 | 9383.3 | 9383.3 | 3268.7 | 342.4 | 114.6 | 63.7 | 20.5 | 7.2 | | | |
| -10 | 2.4 | 7.3 | 21.4 | 61.4 | 120.5 | 196.0 | 1198.0 | 3509.4 | 3509.4 | 1198.0 | 196.0 | 120.5 | 61.4 | 21.4 | 7.3 | 2.4 | | |
| -20 | | 6.7 | 21.0 | 46.9 | 113.7 | 155.8 | 216.5 | 433.0 | 433.0 | 216.5 | 155.8 | 113.7 | 46.9 | 21.0 | 6.7 | | | |
| -30 | 2.0 | 5.7 | 18.4 | 36.7 | 79.5 | 139.9 | 163.9 | 171.9 | 171.9 | 163.9 | 139.9 | 79.5 | 36.7 | 18.4 | 5.7 | 2.0 | | |
| -40 | | 4.3 | 13.9 | 29.7 | 47.4 | 72.9 | 110.8 | 139.1 | 139.1 | 110.8 | 72.9 | 47.4 | 29.7 | 13.9 | 4.3 | | | |
| -50 | 1.6 | 2.8 | 8.8 | 19.5 | 33.2 | 44.9 | 53.6 | 59.2 | 59.2 | 53.6 | 44.9 | 33.2 | 19.5 | 8.8 | 2.8 | 1.6 | | |
| -60 | | 1.9 | 4.5 | 9.8 | 16.9 | 23.8 | 29.9 | 33.7 | 33.7 | 29.9 | 23.8 | 16.9 | 9.8 | 4.5 | 1.9 | | | |
| -70 | 1.1 | 6.9 | 16.9 | 28.1 | 34.4 | 28.1 | 16.9 | 6.9 | 1.1 | | | | | | | 1.1 | | |
| -80 | | 1.1 | 6.9 | 16.9 | 28.1 | 34.4 | 28.1 | 16.9 | 6.9 | 1.1 | | | | | | | | |
| -90 | 1.1 | 6.9 | 16.9 | 28.1 | 34.4 | 28.1 | 16.9 | 6.9 | 1.1 | | | | | | | | | |

REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

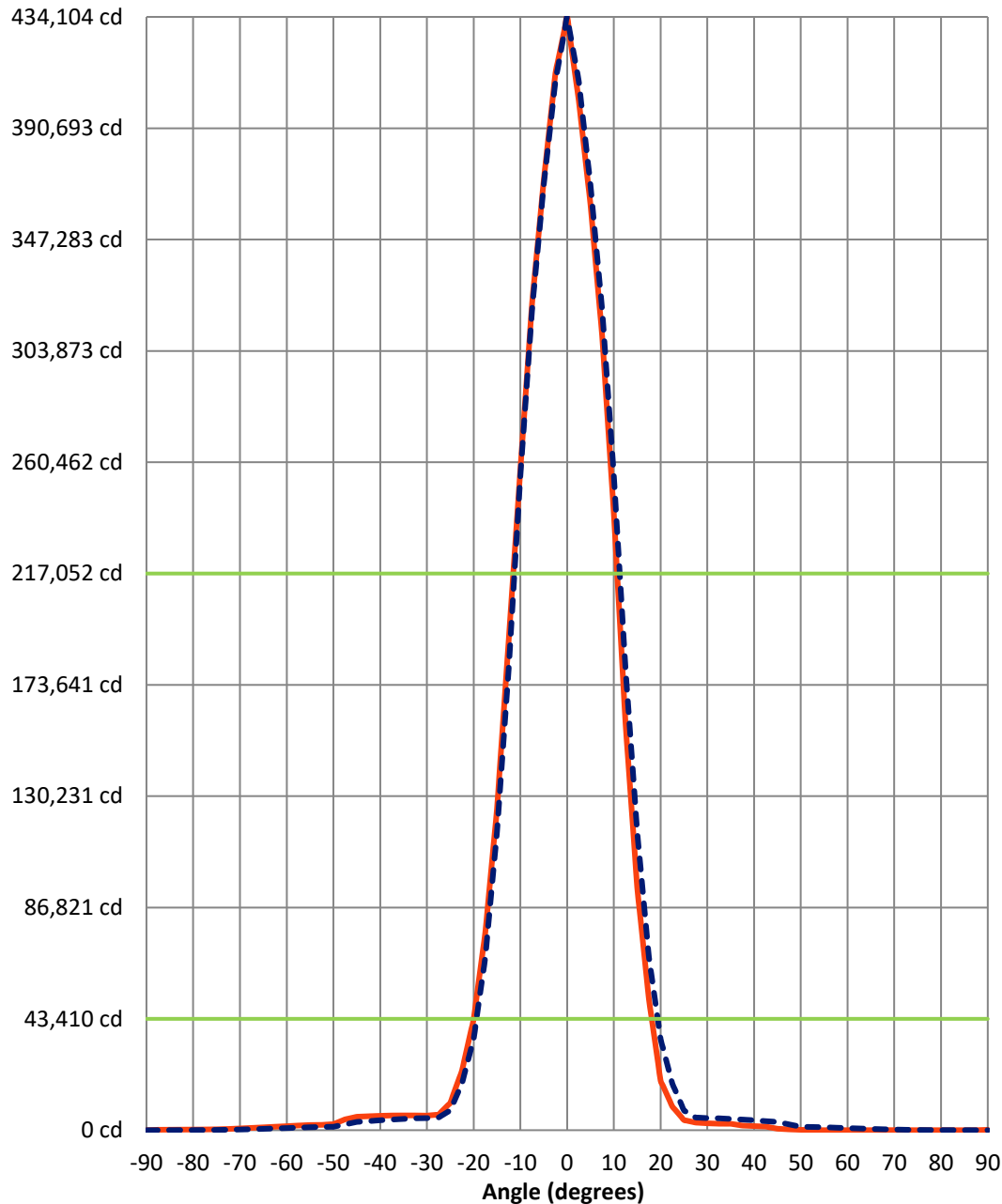
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 22.5°
V Angle: 22.2°
Lumens: 35455.1
Efficiency: 46.7%

Field:
H Angle: 38.8°
V Angle: 38.1°
Lumens: 63162.5
Efficiency: 83.2%

Spill:
Lumens: 12712.4
Efficiency: 16.8%

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



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| 90° | 4.4 | 9.3 | 14.2 | 24.4 | 34.6 | 43.4 | 52.3 | 59.0 | 65.6 | 70.9 | 76.2 |
| 87.5° | 4.4 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.4 | 4.4 | 4.4 |
| 85° | 4.4 | 4.6 | 4.7 | 4.8 | 4.7 | 4.8 | 4.9 | 4.7 | 4.4 | 4.4 | 4.4 |
| 82.5° | 4.4 | 4.8 | 4.9 | 4.9 | 4.9 | 5.0 | 5.1 | 4.8 | 4.5 | 4.6 | 4.6 |
| 80° | 4.4 | 4.9 | 5.0 | 5.1 | 5.0 | 5.2 | 5.3 | 5.2 | 5.1 | 5.1 | 5.1 |
| 77.5° | 4.4 | 5.0 | 5.2 | 5.3 | 5.2 | 5.4 | 5.6 | 5.6 | 5.7 | 5.7 | 5.5 |
| 75° | 4.4 | 5.1 | 5.4 | 5.5 | 5.4 | 5.7 | 5.8 | 5.9 | 6.2 | 6.1 | 5.9 |
| 72.5° | 4.4 | 5.2 | 5.5 | 5.7 | 5.7 | 6.0 | 6.1 | 6.3 | 6.6 | 6.5 | 6.3 |
| 70° | 4.4 | 5.3 | 5.7 | 5.9 | 6.1 | 6.3 | 6.4 | 6.8 | 7.0 | 6.9 | 6.8 |
| 67.5° | 4.4 | 5.5 | 5.9 | 6.1 | 6.4 | 6.7 | 6.9 | 7.2 | 7.4 | 7.5 | 7.4 |
| 65° | 4.4 | 5.6 | 6.1 | 6.4 | 6.7 | 7.1 | 7.5 | 7.7 | 8.3 | 8.2 | 8.2 |
| 62.5° | 4.4 | 5.7 | 6.2 | 6.6 | 7.0 | 7.6 | 8.0 | 8.7 | 9.3 | 9.1 | 9.6 |
| 60° | 4.4 | 5.8 | 6.4 | 6.8 | 7.3 | 8.1 | 8.6 | 9.9 | 10.5 | 11.0 | 11.1 |
| 57.5° | 4.4 | 5.9 | 6.7 | 7.1 | 7.9 | 8.7 | 10.0 | 11.3 | 12.6 | 13.2 | 14.9 |
| 55° | 4.4 | 6.0 | 6.9 | 7.3 | 8.5 | 9.2 | 11.7 | 12.9 | 15.2 | 16.4 | 19.9 |
| 52.5° | 4.4 | 6.2 | 7.2 | 7.5 | 9.2 | 10.0 | 13.5 | 15.7 | 18.0 | 22.6 | 25.5 |
| 50° | 4.4 | 6.3 | 7.5 | 7.7 | 9.9 | 11.9 | 15.4 | 18.7 | 22.1 | 29.3 | 36.4 |
| 47.5° | 4.4 | 6.4 | 7.9 | 8.0 | 10.7 | 13.8 | 17.5 | 21.8 | 28.9 | 36.6 | 49.4 |
| 45° | 4.4 | 6.5 | 8.2 | 8.6 | 11.5 | 15.8 | 20.3 | 25.1 | 36.3 | 49.7 | 63.7 |
| 42.5° | 4.4 | 6.6 | 8.6 | 9.3 | 12.3 | 17.9 | 23.2 | 30.6 | 44.3 | 63.8 | 86.7 |
| 40° | 4.4 | 6.7 | 9.0 | 10.1 | 13.6 | 20.0 | 26.2 | 37.9 | 54.7 | 78.9 | 112.7 |
| 37.5° | 4.4 | 6.8 | 9.4 | 11.2 | 15.2 | 22.2 | 29.6 | 45.4 | 69.3 | 98.3 | 140.6 |
| 35° | 4.4 | 6.9 | 9.8 | 12.3 | 16.9 | 24.8 | 33.0 | 53.2 | 84.7 | 124.4 | 171.8 |
| 32.5° | 4.4 | 7.0 | 10.2 | 13.4 | 18.6 | 27.5 | 37.4 | 61.3 | 100.8 | 150.8 | 205.0 |
| 30° | 4.4 | 7.1 | 10.6 | 14.6 | 20.3 | 30.2 | 43.9 | 70.6 | 117.5 | 177.6 | 236.5 |
| 27.5° | 4.4 | 7.2 | 11.1 | 15.8 | 22.4 | 32.9 | 50.4 | 82.9 | 134.6 | 204.5 | 266.4 |
| 25° | 4.4 | 7.3 | 11.6 | 17.0 | 24.6 | 35.5 | 56.8 | 94.6 | 152.5 | 230.0 | 294.8 |
| 22.5° | 4.4 | 7.4 | 12.0 | 18.2 | 26.6 | 38.3 | 63.1 | 105.5 | 169.1 | 247.3 | 325.6 |
| 20° | 4.4 | 7.5 | 12.5 | 19.4 | 28.6 | 41.1 | 69.2 | 115.7 | 184.2 | 263.4 | 349.5 |
| 17.5° | 4.4 | 7.6 | 13.0 | 20.6 | 30.6 | 43.9 | 74.7 | 125.2 | 197.8 | 278.1 | 372.1 |
| 15° | 4.4 | 7.7 | 13.4 | 21.8 | 32.4 | 46.5 | 79.7 | 133.6 | 210.0 | 291.5 | 393.9 |
| 12.5° | 4.4 | 7.7 | 13.9 | 23.0 | 34.2 | 49.0 | 84.2 | 140.7 | 221.5 | 303.5 | 414.4 |
| 10° | 4.4 | 7.8 | 14.3 | 24.2 | 35.8 | 51.4 | 88.3 | 147.0 | 232.5 | 318.3 | 435.7 |
| 7.5° | 4.4 | 7.9 | 14.7 | 25.3 | 37.4 | 53.6 | 92.0 | 152.5 | 242.4 | 332.7 | 459.9 |
| 5° | 4.4 | 7.9 | 15.2 | 26.4 | 38.9 | 55.7 | 95.1 | 157.1 | 251.0 | 345.9 | 482.1 |
| 2.5° | 4.4 | 8.0 | 15.5 | 27.4 | 40.3 | 57.6 | 97.9 | 161.0 | 258.2 | 357.6 | 502.0 |
| 0° | 4.4 | 8.0 | 15.9 | 28.4 | 41.6 | 59.4 | 100.1 | 163.9 | 264.0 | 367.7 | 519.2 |
| -2.5° | 4.4 | 8.3 | 16.7 | 29.6 | 43.4 | 61.9 | 103.3 | 169.9 | 272.1 | 378.3 | 528.2 |
| -5° | 4.4 | 8.7 | 17.5 | 30.8 | 45.1 | 64.1 | 106.0 | 174.9 | 278.4 | 386.9 | 534.3 |
| -7.5° | 4.4 | 9.0 | 18.3 | 31.9 | 46.7 | 66.2 | 108.2 | 178.7 | 283.0 | 393.5 | 537.5 |
| -10° | 4.4 | 9.3 | 19.0 | 32.9 | 48.2 | 68.1 | 109.9 | 181.4 | 285.8 | 397.8 | 538.1 |
| -12.5° | 4.4 | 9.6 | 19.7 | 33.8 | 49.6 | 69.8 | 111.0 | 182.8 | 286.7 | 399.6 | 537.4 |
| -15° | 4.4 | 9.9 | 20.4 | 34.7 | 50.8 | 71.2 | 111.5 | 182.8 | 284.6 | 396.4 | 533.7 |
| -17.5° | 4.4 | 10.2 | 20.9 | 35.5 | 51.8 | 72.5 | 111.5 | 180.9 | 279.3 | 390.8 | 525.8 |
| -20° | 4.4 | 10.4 | 21.5 | 36.1 | 52.8 | 73.4 | 111.1 | 177.5 | 272.3 | 382.9 | 513.4 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| -22.5° | 4.4 | 10.7 | 22.0 | 36.7 | 53.5 | 74.2 | 110.2 | 172.9 | 263.5 | 372.5 | 497.1 |
| -25° | 4.4 | 10.9 | 22.4 | 37.2 | 54.2 | 74.9 | 108.7 | 167.1 | 252.9 | 359.7 | 481.0 |
| -27.5° | 4.4 | 11.1 | 22.8 | 37.7 | 54.6 | 75.3 | 106.5 | 160.1 | 240.6 | 349.2 | 469.7 |
| -30° | 4.4 | 11.3 | 23.1 | 38.0 | 54.9 | 75.6 | 103.7 | 152.0 | 230.8 | 337.5 | 455.7 |
| -32.5° | 4.4 | 11.5 | 23.3 | 38.2 | 55.3 | 75.6 | 100.2 | 146.9 | 222.5 | 323.1 | 438.5 |
| -35° | 4.4 | 11.6 | 23.5 | 38.4 | 55.6 | 75.3 | 98.8 | 142.6 | 212.2 | 306.1 | 418.3 |
| -37.5° | 4.4 | 11.7 | 23.6 | 38.5 | 55.7 | 75.1 | 98.3 | 137.6 | 199.8 | 286.6 | 396.3 |
| -40° | 4.4 | 11.8 | 23.7 | 38.4 | 55.7 | 75.0 | 97.4 | 131.4 | 185.4 | 269.0 | 371.6 |
| -42.5° | 4.4 | 11.9 | 23.7 | 38.4 | 55.7 | 74.8 | 96.2 | 124.1 | 174.5 | 250.1 | 343.7 |
| -45° | 4.4 | 11.9 | 23.6 | 38.3 | 55.6 | 74.4 | 94.7 | 118.5 | 164.7 | 228.8 | 313.5 |
| -47.5° | 4.4 | 12.0 | 23.4 | 38.2 | 55.4 | 73.8 | 92.8 | 116.2 | 153.4 | 205.2 | 286.4 |
| -50° | 4.4 | 12.0 | 23.2 | 38.0 | 55.1 | 73.0 | 91.6 | 113.5 | 140.7 | 190.5 | 256.6 |
| -52.5° | 4.4 | 12.0 | 23.0 | 37.8 | 54.6 | 72.1 | 90.3 | 110.4 | 134.0 | 174.3 | 224.7 |
| -55° | 4.4 | 11.9 | 22.6 | 37.4 | 54.0 | 71.1 | 88.7 | 107.1 | 129.8 | 156.8 | 203.4 |
| -57.5° | 4.4 | 11.8 | 22.2 | 36.9 | 53.2 | 69.9 | 87.0 | 104.9 | 125.1 | 148.4 | 180.9 |
| -60° | 4.4 | 11.8 | 21.8 | 36.3 | 52.3 | 68.6 | 85.0 | 102.4 | 120.3 | 142.2 | 162.5 |
| -62.5° | 4.4 | 11.7 | 21.4 | 35.6 | 51.3 | 67.0 | 82.9 | 99.6 | 116.8 | 135.3 | 154.1 |
| -65° | 4.4 | 11.5 | 21.0 | 34.8 | 50.1 | 65.2 | 80.5 | 96.5 | 112.9 | 129.5 | 145.2 |
| -67.5° | 4.4 | 11.4 | 20.5 | 33.9 | 48.8 | 63.3 | 77.9 | 93.2 | 108.7 | 123.9 | 138.0 |
| -70° | 4.4 | 11.2 | 20.0 | 32.9 | 47.4 | 61.2 | 75.1 | 89.7 | 104.5 | 118.1 | 131.1 |
| -72.5° | 4.4 | 11.0 | 19.4 | 32.1 | 45.9 | 59.0 | 72.2 | 86.0 | 100.2 | 112.5 | 124.1 |
| -75° | 4.4 | 10.8 | 18.8 | 31.2 | 44.2 | 56.6 | 69.2 | 82.1 | 95.6 | 106.8 | 117.4 |
| -77.5° | 4.4 | 10.6 | 18.1 | 30.2 | 42.7 | 54.1 | 66.0 | 78.0 | 90.5 | 100.7 | 110.4 |
| -80° | 4.4 | 10.4 | 17.4 | 29.2 | 41.3 | 51.9 | 62.6 | 73.7 | 85.1 | 94.1 | 102.9 |
| -82.5° | 4.4 | 10.1 | 16.6 | 28.1 | 39.8 | 49.9 | 60.1 | 69.6 | 79.6 | 87.4 | 95.1 |
| -85° | 4.4 | 9.9 | 15.8 | 26.9 | 38.1 | 47.9 | 57.6 | 66.2 | 75.0 | 81.6 | 88.0 |
| -87.5° | 4.4 | 9.6 | 15.0 | 25.7 | 36.4 | 45.7 | 55.0 | 62.6 | 70.4 | 76.3 | 82.2 |
| -90° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 80.2 | 84.2 | 87.8 | 91.3 | 95.3 | 99.2 | 103.7 | 108.1 | 112.5 | 116.9 | 120.5 |
| 87.5° | 4.2 | 4.0 | 4.0 | 4.0 | 3.8 | 3.5 | 3.5 | 3.5 | 3.1 | 2.7 | 2.7 |
| 85° | 4.4 | 4.4 | 4.4 | 4.4 | 4.1 | 3.8 | 3.7 | 3.5 | 3.3 | 3.1 | 3.2 |
| 82.5° | 4.7 | 4.8 | 4.7 | 4.4 | 4.3 | 4.3 | 4.0 | 3.6 | 3.7 | 3.8 | 3.7 |
| 80° | 5.2 | 5.3 | 5.0 | 4.7 | 4.6 | 4.4 | 4.3 | 4.3 | 4.3 | 4.4 | 4.1 |
| 77.5° | 5.5 | 5.4 | 5.2 | 5.2 | 5.0 | 4.7 | 4.7 | 4.9 | 4.8 | 4.5 | 4.4 |
| 75° | 5.7 | 5.4 | 5.4 | 5.4 | 5.2 | 5.2 | 5.3 | 5.3 | 5.1 | 5.0 | 4.9 |
| 72.5° | 6.1 | 5.9 | 5.8 | 5.5 | 5.5 | 5.4 | 5.3 | 5.3 | 6.2 | 7.4 | 8.3 |
| 70° | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.9 | 6.9 | 9.0 | 11.2 | 12.9 | 15.2 |
| 67.5° | 7.1 | 7.1 | 6.8 | 6.8 | 7.2 | 8.2 | 9.8 | 15.7 | 21.6 | 23.7 | 24.7 |
| 65° | 7.9 | 7.8 | 7.7 | 8.3 | 8.8 | 13.3 | 19.1 | 26.0 | 33.3 | 34.7 | 33.4 |
| 62.5° | 8.9 | 9.9 | 9.6 | 11.1 | 15.2 | 20.7 | 28.1 | 35.9 | 44.3 | 42.4 | 35.3 |
| 60° | 12.2 | 12.8 | 14.2 | 17.6 | 22.2 | 28.5 | 36.7 | 40.0 | 43.5 | 44.2 | 34.3 |
| 57.5° | 16.5 | 18.3 | 21.6 | 25.2 | 31.4 | 34.8 | 36.0 | 36.0 | 41.1 | 41.5 | 31.5 |
| 55° | 22.9 | 26.0 | 31.1 | 35.4 | 39.3 | 35.5 | 35.4 | 38.7 | 40.5 | 37.4 | 28.0 |
| 52.5° | 33.0 | 36.3 | 44.2 | 47.4 | 45.4 | 42.2 | 41.4 | 44.2 | 42.6 | 38.0 | 32.3 |
| 50° | 44.1 | 53.6 | 58.8 | 61.5 | 56.5 | 55.9 | 51.3 | 53.9 | 55.6 | 53.1 | 55.5 |
| 47.5° | 62.1 | 73.6 | 77.9 | 81.8 | 77.7 | 82.0 | 77.7 | 90.3 | 90.6 | 121.9 | 125.5 |
| 45° | 83.9 | 99.5 | 104.6 | 113.5 | 120.4 | 124.4 | 149.1 | 150.7 | 217.0 | 243.0 | 298.9 |
| 42.5° | 109.6 | 129.9 | 147.5 | 152.0 | 193.8 | 213.7 | 248.6 | 312.6 | 373.7 | 426.4 | 456.2 |
| 40° | 142.5 | 164.1 | 201.0 | 242.2 | 289.6 | 336.4 | 388.4 | 463.5 | 528.1 | 556.5 | 571.5 |
| 37.5° | 178.5 | 220.0 | 269.2 | 338.1 | 408.6 | 462.3 | 524.1 | 594.7 | 637.7 | 652.7 | 656.1 |
| 35° | 217.2 | 277.1 | 359.3 | 431.7 | 507.2 | 579.3 | 637.0 | 704.5 | 718.9 | 730.8 | 797.3 |
| 32.5° | 264.3 | 334.0 | 431.0 | 512.2 | 588.7 | 671.3 | 729.6 | 769.5 | 792.5 | 836.4 | 1052.9 |
| 30° | 311.5 | 393.3 | 489.3 | 575.5 | 664.8 | 743.2 | 798.8 | 837.6 | 863.9 | 1070.9 | 1520.6 |
| 27.5° | 350.2 | 444.2 | 539.6 | 639.8 | 738.4 | 817.2 | 870.6 | 905.9 | 1058.8 | 1402.0 | 2094.4 |
| 25° | 385.4 | 484.2 | 590.0 | 710.9 | 814.6 | 887.5 | 942.3 | 977.2 | 1319.2 | 2020.2 | 2500.3 |
| 22.5° | 418.4 | 523.0 | 646.9 | 786.0 | 890.4 | 952.3 | 1005.0 | 1194.4 | 1712.3 | 2646.5 | 2904.8 |
| 20° | 450.7 | 569.5 | 708.8 | 849.6 | 961.5 | 1007.4 | 1062.6 | 1437.8 | 2218.0 | 2887.6 | 3170.5 |
| 17.5° | 484.1 | 617.2 | 767.1 | 898.5 | 998.5 | 1056.3 | 1144.9 | 1674.0 | 2645.0 | 3098.6 | 3303.3 |
| 15° | 517.5 | 662.3 | 814.6 | 941.6 | 1035.0 | 1104.4 | 1333.3 | 2012.4 | 2909.5 | 3330.6 | 3523.4 |
| 12.5° | 550.3 | 701.7 | 850.4 | 978.5 | 1073.2 | 1150.0 | 1505.6 | 2362.3 | 3148.5 | 3558.4 | 3813.5 |
| 10° | 581.8 | 735.7 | 881.0 | 1014.1 | 1110.7 | 1194.2 | 1679.6 | 2704.3 | 3364.3 | 3706.9 | 3920.8 |
| 7.5° | 609.3 | 763.5 | 907.4 | 1048.3 | 1145.6 | 1237.6 | 1870.5 | 2931.2 | 3456.1 | 3801.2 | 3975.1 |
| 5° | 632.8 | 785.5 | 934.1 | 1086.4 | 1181.9 | 1277.5 | 2043.8 | 3080.8 | 3491.1 | 3859.4 | 4031.9 |
| 2.5° | 652.6 | 803.2 | 957.2 | 1122.1 | 1217.6 | 1311.3 | 2165.2 | 3175.6 | 3514.8 | 3881.7 | 4087.7 |
| 0° | 668.9 | 816.9 | 976.3 | 1153.5 | 1250.1 | 1341.3 | 2255.6 | 3221.3 | 3522.6 | 3873.4 | 4140.1 |
| -2.5° | 679.4 | 836.9 | 1011.7 | 1183.8 | 1276.8 | 1366.5 | 2251.8 | 3248.2 | 3532.2 | 3918.1 | 4342.5 |
| -5° | 686.5 | 852.5 | 1041.4 | 1209.3 | 1300.9 | 1388.6 | 2213.4 | 3228.6 | 3553.6 | 3986.1 | 4474.8 |
| -7.5° | 690.0 | 862.9 | 1064.2 | 1230.0 | 1323.7 | 1413.4 | 2165.8 | 3183.1 | 3662.8 | 4126.0 | 4557.9 |
| -10° | 691.2 | 869.1 | 1068.9 | 1239.9 | 1344.8 | 1437.8 | 2087.3 | 3087.7 | 3749.0 | 4184.5 | 4582.0 |
| -12.5° | 695.8 | 872.1 | 1066.4 | 1243.9 | 1362.8 | 1460.0 | 1990.4 | 3024.5 | 3864.9 | 4220.6 | 4573.2 |
| -15° | 695.3 | 871.0 | 1059.4 | 1242.8 | 1384.9 | 1489.9 | 1861.5 | 2875.3 | 3935.5 | 4228.8 | 4549.7 |
| -17.5° | 689.5 | 866.0 | 1048.4 | 1238.5 | 1405.8 | 1512.2 | 1679.7 | 2568.3 | 3733.7 | 4193.0 | 4521.9 |
| -20° | 677.9 | 855.1 | 1033.1 | 1225.1 | 1417.4 | 1532.9 | 1658.1 | 2299.6 | 3318.3 | 4098.2 | 4469.4 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 661.3 | 839.2 | 1014.3 | 1202.6 | 1411.8 | 1556.3 | 1673.1 | 2038.1 | 2907.9 | 3957.6 | 4384.5 |
| -25° | 641.9 | 817.0 | 992.7 | 1190.4 | 1403.7 | 1578.7 | 1676.3 | 1795.2 | 2551.0 | 3492.3 | 4238.0 |
| -27.5° | 620.4 | 789.6 | 968.9 | 1164.6 | 1391.0 | 1574.7 | 1675.0 | 1787.2 | 2170.9 | 2919.8 | 4004.7 |
| -30° | 595.5 | 758.8 | 935.9 | 1127.1 | 1346.2 | 1532.3 | 1671.0 | 1763.9 | 1881.1 | 2471.0 | 3396.2 |
| -32.5° | 568.0 | 723.9 | 896.8 | 1084.7 | 1288.5 | 1484.9 | 1647.9 | 1745.1 | 1848.0 | 2049.9 | 2795.7 |
| -35° | 540.9 | 690.3 | 853.6 | 1035.9 | 1229.6 | 1420.7 | 1587.4 | 1725.4 | 1811.8 | 1925.3 | 2265.7 |
| -37.5° | 515.9 | 652.5 | 806.2 | 982.5 | 1169.9 | 1340.9 | 1521.2 | 1670.8 | 1789.0 | 1871.3 | 2009.0 |
| -40° | 486.9 | 610.3 | 757.7 | 922.8 | 1091.1 | 1253.8 | 1425.4 | 1593.6 | 1738.8 | 1847.2 | 1929.3 |
| -42.5° | 454.2 | 572.3 | 705.5 | 852.2 | 1007.8 | 1162.7 | 1324.9 | 1491.5 | 1650.9 | 1793.8 | 1895.6 |
| -45° | 418.9 | 529.8 | 649.7 | 782.8 | 920.9 | 1068.5 | 1223.0 | 1380.7 | 1538.9 | 1696.5 | 1822.0 |
| -47.5° | 378.0 | 483.0 | 596.8 | 708.7 | 836.1 | 971.7 | 1115.3 | 1263.5 | 1409.9 | 1562.0 | 1706.4 |
| -50° | 335.5 | 432.5 | 536.4 | 639.7 | 750.2 | 872.8 | 1004.3 | 1142.8 | 1281.6 | 1422.0 | 1561.2 |
| -52.5° | 296.8 | 377.5 | 473.2 | 570.6 | 668.3 | 773.1 | 892.1 | 1018.4 | 1149.3 | 1281.8 | 1403.6 |
| -55° | 255.6 | 328.2 | 406.9 | 498.1 | 589.7 | 680.8 | 777.5 | 891.8 | 1010.5 | 1133.4 | 1242.6 |
| -57.5° | 223.9 | 278.6 | 346.4 | 421.8 | 507.0 | 593.3 | 678.1 | 764.0 | 870.0 | 979.3 | 1071.1 |
| -60° | 197.6 | 237.0 | 288.9 | 352.7 | 420.6 | 500.3 | 580.1 | 659.8 | 741.8 | 820.0 | 904.9 |
| -62.5° | 173.5 | 205.6 | 242.2 | 286.7 | 345.6 | 407.2 | 478.0 | 551.5 | 626.6 | 694.0 | 756.3 |
| -65° | 163.1 | 178.5 | 205.9 | 239.2 | 273.0 | 325.6 | 382.3 | 440.2 | 505.3 | 565.0 | 621.2 |
| -67.5° | 152.1 | 166.4 | 180.6 | 198.2 | 228.5 | 259.6 | 290.9 | 342.0 | 393.0 | 439.3 | 485.1 |
| -70° | 143.3 | 154.3 | 166.9 | 179.7 | 192.8 | 210.7 | 238.6 | 267.5 | 296.4 | 328.3 | 367.0 |
| -72.5° | 134.7 | 144.6 | 154.6 | 164.6 | 176.3 | 188.6 | 201.4 | 214.5 | 234.5 | 259.0 | 281.2 |
| -75° | 126.4 | 134.6 | 143.6 | 152.8 | 162.1 | 171.4 | 181.8 | 193.9 | 205.9 | 217.8 | 229.0 |
| -77.5° | 118.4 | 125.9 | 133.4 | 141.2 | 149.2 | 157.5 | 166.6 | 176.1 | 186.0 | 195.8 | 204.4 |
| -80° | 110.0 | 117.0 | 123.5 | 130.1 | 137.3 | 144.5 | 152.1 | 159.9 | 168.6 | 177.6 | 185.4 |
| -82.5° | 101.0 | 106.8 | 112.7 | 118.6 | 125.2 | 131.8 | 138.3 | 144.8 | 151.9 | 159.2 | 165.7 |
| -85° | 92.4 | 96.5 | 101.6 | 106.7 | 112.5 | 118.4 | 123.9 | 129.5 | 135.6 | 141.8 | 146.9 |
| -87.5° | 86.3 | 90.4 | 94.4 | 98.4 | 103.0 | 107.7 | 112.3 | 116.8 | 121.9 | 127.0 | 131.0 |
| -90° | 4.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.1 | 2.7 | 2.7 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|----------|----------|----------|
| 90° | 124.0 | 126.7 | 129.3 | 130.7 | 132.0 | 134.7 | 137.3 | 141.3 | 145.3 | 149.8 | 154.2 |
| 87.5° | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | 2.2 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 85° | 3.2 | 3.2 | 3.3 | 3.0 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.2 | 1.8 |
| 82.5° | 3.5 | 3.5 | 3.5 | 3.4 | 3.3 | 3.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 80° | 3.8 | 3.7 | 3.5 | 3.5 | 3.5 | 3.4 | 3.3 | 3.1 | 2.7 | 3.0 | 3.4 |
| 77.5° | 4.4 | 4.1 | 3.9 | 3.7 | 3.6 | 3.3 | 3.0 | 2.8 | 2.7 | 2.7 | 2.8 |
| 75° | 4.6 | 4.6 | 5.3 | 5.4 | 5.2 | 4.8 | 4.0 | 3.9 | 4.0 | 3.8 | 3.5 |
| 72.5° | 9.0 | 9.5 | 9.8 | 10.6 | 11.1 | 11.6 | 12.5 | 14.3 | 16.3 | 18.1 | 19.9 |
| 70° | 18.1 | 20.6 | 21.2 | 21.3 | 21.2 | 21.8 | 22.8 | 23.9 | 25.3 | 26.5 | 27.5 |
| 67.5° | 27.9 | 30.1 | 30.4 | 30.9 | 30.0 | 28.8 | 27.7 | 27.7 | 29.2 | 31.1 | 33.2 |
| 65° | 34.1 | 31.8 | 30.1 | 29.7 | 29.1 | 27.7 | 25.4 | 23.7 | 23.3 | 23.0 | 23.0 |
| 62.5° | 30.6 | 26.2 | 24.6 | 24.2 | 22.8 | 21.1 | 18.0 | 15.5 | 14.2 | 13.5 | 13.6 |
| 60° | 26.5 | 21.3 | 18.1 | 16.7 | 14.5 | 12.4 | 10.5 | 8.5 | 8.0 | 7.7 | 7.8 |
| 57.5° | 21.8 | 16.2 | 12.5 | 11.9 | 10.3 | 8.1 | 6.7 | 5.3 | 5.1 | 5.1 | 5.4 |
| 55° | 20.0 | 17.1 | 14.3 | 13.3 | 11.4 | 10.4 | 9.0 | 7.1 | 6.7 | 7.2 | 7.9 |
| 52.5° | 26.0 | 24.4 | 23.0 | 23.1 | 25.5 | 23.6 | 17.6 | 24.7 | 28.7 | 28.8 | 27.5 |
| 50° | 56.9 | 51.2 | 73.0 | 70.3 | 87.8 | 99.5 | 90.4 | 101.5 | 117.3 | 128.5 | 136.3 |
| 47.5° | 162.4 | 168.4 | 194.5 | 217.2 | 235.4 | 255.9 | 276.6 | 289.2 | 292.4 | 313.0 | 327.2 |
| 45° | 327.0 | 346.6 | 375.7 | 390.4 | 419.1 | 453.1 | 477.0 | 487.8 | 550.4 | 628.2 | 678.6 |
| 42.5° | 474.5 | 489.7 | 512.6 | 564.5 | 617.1 | 733.6 | 867.2 | 871.9 | 992.6 | 1099.5 | 1208.9 |
| 40° | 577.8 | 606.3 | 687.7 | 810.8 | 1094.9 | 1316.7 | 1474.5 | 1629.1 | 1654.8 | 1604.7 | 1632.1 |
| 37.5° | 711.4 | 813.2 | 1019.4 | 1351.5 | 1597.5 | 1820.1 | 1909.8 | 1921.4 | 1952.7 | 1972.3 | 1941.1 |
| 35° | 963.3 | 1302.5 | 1473.5 | 1755.8 | 1934.7 | 1978.1 | 2005.2 | 2031.9 | 2057.5 | 2075.0 | 2094.0 |
| 32.5° | 1514.8 | 1935.0 | 1957.5 | 2030.1 | 2063.5 | 2102.1 | 2130.8 | 2147.5 | 2159.1 | 2174.5 | 2226.4 |
| 30° | 2107.7 | 2205.5 | 2213.6 | 2207.9 | 2219.3 | 2245.3 | 2264.0 | 2294.7 | 2325.2 | 2360.4 | 2475.4 |
| 27.5° | 2384.5 | 2459.4 | 2436.1 | 2396.1 | 2376.3 | 2396.9 | 2448.1 | 2495.7 | 2584.4 | 2677.7 | 2842.8 |
| 25° | 2690.9 | 2740.6 | 2712.1 | 2641.1 | 2596.6 | 2625.9 | 2702.8 | 2793.7 | 2963.2 | 3112.7 | 3416.4 |
| 22.5° | 3019.1 | 3111.4 | 3081.6 | 3060.4 | 2966.7 | 2980.7 | 3041.4 | 3246.4 | 3670.5 | 4341.8 | 5735.8 |
| 20° | 3273.6 | 3386.4 | 3400.8 | 3401.3 | 3381.5 | 3387.3 | 3528.2 | 4189.2 | 5429.0 | 9325.1 | 12778.9 |
| 17.5° | 3462.3 | 3528.5 | 3607.9 | 3640.6 | 3679.2 | 3791.9 | 4543.6 | 6830.3 | 12184.5 | 19350.3 | 24837.6 |
| 15° | 3706.9 | 3791.5 | 3877.6 | 3932.2 | 4019.4 | 4639.4 | 6561.5 | 13584.5 | 23321.0 | 35483.2 | 51028.8 |
| 12.5° | 3902.7 | 4007.0 | 4075.4 | 4118.6 | 4319.9 | 5950.8 | 12638.2 | 22748.5 | 37939.8 | 56812.6 | 84809.7 |
| 10° | 4011.0 | 4092.4 | 4185.6 | 4335.2 | 5156.0 | 8631.8 | 17822.5 | 31967.5 | 55319.6 | 89314.5 | 126604.0 |
| 7.5° | 4065.0 | 4170.2 | 4326.2 | 4553.5 | 6102.6 | 12600.9 | 24794.5 | 45122.1 | 77017.9 | 119348.1 | 171305.5 |
| 5° | 4127.7 | 4322.4 | 4508.0 | 4768.3 | 6837.7 | 15466.8 | 30336.5 | 56341.6 | 95936.4 | 147719.1 | 211886.8 |
| 2.5° | 4229.1 | 4522.0 | 4641.6 | 4891.6 | 7280.5 | 17311.7 | 33641.3 | 65116.8 | 110063.3 | 170870.8 | 242914.3 |
| 0° | 4389.0 | 4632.7 | 4704.4 | 4956.0 | 7726.4 | 18224.1 | 35582.6 | 67523.0 | 116356.0 | 179886.9 | 255134.6 |
| -2.5° | 4569.7 | 4721.9 | 4801.4 | 5081.9 | 7950.2 | 19154.9 | 37109.9 | 69139.8 | 114857.3 | 176883.5 | 250543.6 |
| -5° | 4687.6 | 4808.4 | 4885.5 | 5159.5 | 7925.7 | 18224.1 | 35403.4 | 64386.2 | 106095.5 | 161572.8 | 227430.1 |
| -7.5° | 4767.9 | 4893.6 | 4974.2 | 5225.4 | 7457.2 | 15749.3 | 31270.0 | 55500.0 | 90162.9 | 135661.5 | 192545.6 |
| -10° | 4846.2 | 4983.5 | 5089.2 | 5287.7 | 6600.2 | 12023.0 | 24543.5 | 41870.7 | 70513.0 | 106714.1 | 149244.6 |
| -12.5° | 4916.8 | 5086.6 | 5222.6 | 5313.9 | 5795.2 | 9144.8 | 18036.5 | 32026.5 | 50754.6 | 77778.2 | 108900.8 |
| -15° | 4952.6 | 5155.6 | 5307.9 | 5408.6 | 5687.7 | 7230.9 | 11679.5 | 21192.5 | 35434.8 | 52196.9 | 72448.5 |
| -17.5° | 4891.0 | 5193.7 | 5340.3 | 5451.2 | 5542.9 | 5939.6 | 8238.6 | 13008.8 | 21904.3 | 32884.8 | 42777.6 |
| -20° | 4793.0 | 5198.0 | 5363.9 | 5513.2 | 5617.5 | 5725.5 | 6018.4 | 8284.4 | 11903.3 | 18639.8 | 25233.3 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| -22.5° | 4710.1 | 5086.7 | 5433.0 | 5594.3 | 5714.3 | 5722.2 | 5731.2 | 6004.1 | 7417.0 | 9686.6 | 13174.6 |
| -25° | 4652.6 | 5009.0 | 5411.9 | 5661.8 | 5744.9 | 5747.9 | 5702.6 | 5651.9 | 5812.1 | 5973.1 | 7247.6 |
| -27.5° | 4555.4 | 4942.0 | 5320.7 | 5625.4 | 5748.6 | 5744.4 | 5710.0 | 5676.2 | 5620.7 | 5584.5 | 5721.9 |
| -30° | 4436.5 | 4824.9 | 5177.5 | 5484.0 | 5666.6 | 5722.7 | 5699.2 | 5674.0 | 5656.9 | 5644.8 | 5620.2 |
| -32.5° | 3802.8 | 4681.1 | 4978.2 | 5256.2 | 5516.9 | 5631.0 | 5681.8 | 5670.0 | 5654.6 | 5648.0 | 5652.3 |
| -35° | 3106.2 | 4013.0 | 4784.3 | 4982.5 | 5208.6 | 5435.7 | 5596.0 | 5632.3 | 5648.4 | 5645.5 | 5652.5 |
| -37.5° | 2381.7 | 3198.7 | 3956.4 | 4589.9 | 4862.1 | 5098.2 | 5331.2 | 5485.5 | 5578.1 | 5594.1 | 5615.9 |
| -40° | 2052.7 | 2283.7 | 3001.5 | 3638.1 | 4167.8 | 4655.4 | 4902.0 | 5168.7 | 5376.7 | 5460.5 | 5504.5 |
| -42.5° | 1965.7 | 2057.5 | 2151.7 | 2618.6 | 3167.0 | 3631.8 | 4092.3 | 4550.1 | 4929.9 | 5144.8 | 5284.7 |
| -45° | 1927.8 | 1979.0 | 2033.3 | 2108.5 | 2175.9 | 2568.5 | 2991.2 | 3437.3 | 3936.6 | 4309.5 | 4656.9 |
| -47.5° | 1817.4 | 1920.5 | 1972.4 | 2004.3 | 2028.0 | 2079.9 | 2126.2 | 2251.9 | 2667.4 | 2994.2 | 3356.7 |
| -50° | 1671.5 | 1776.3 | 1861.2 | 1936.7 | 1962.6 | 1974.5 | 1988.4 | 2030.2 | 2096.6 | 2144.8 | 2217.8 |
| -52.5° | 1502.5 | 1600.8 | 1695.4 | 1776.3 | 1834.1 | 1883.9 | 1931.3 | 1964.3 | 1991.2 | 2019.1 | 2045.5 |
| -55° | 1340.9 | 1424.6 | 1505.8 | 1581.7 | 1650.6 | 1708.0 | 1764.5 | 1818.3 | 1868.7 | 1916.1 | 1960.4 |
| -57.5° | 1163.7 | 1247.3 | 1322.0 | 1390.1 | 1448.9 | 1496.7 | 1552.5 | 1611.8 | 1667.2 | 1716.5 | 1764.5 |
| -60° | 984.9 | 1061.0 | 1132.3 | 1196.8 | 1250.6 | 1292.8 | 1347.0 | 1400.2 | 1450.9 | 1496.8 | 1537.0 |
| -62.5° | 816.7 | 881.7 | 943.2 | 1000.1 | 1051.0 | 1096.4 | 1141.9 | 1187.4 | 1235.3 | 1278.3 | 1316.1 |
| -65° | 674.7 | 726.5 | 770.2 | 810.8 | 845.0 | 886.0 | 929.8 | 970.5 | 1012.8 | 1052.5 | 1088.7 |
| -67.5° | 531.9 | 575.9 | 612.5 | 647.6 | 676.2 | 705.0 | 737.6 | 768.6 | 798.4 | 829.3 | 859.5 |
| -70° | 401.4 | 432.4 | 455.5 | 479.5 | 507.7 | 534.0 | 560.2 | 586.6 | 611.4 | 638.5 | 666.5 |
| -72.5° | 299.6 | 314.6 | 329.9 | 349.3 | 366.1 | 385.1 | 404.0 | 424.2 | 444.8 | 464.5 | 482.9 |
| -75° | 239.8 | 249.4 | 260.9 | 270.4 | 277.6 | 286.9 | 297.3 | 310.1 | 322.9 | 335.7 | 347.7 |
| -77.5° | 213.3 | 219.9 | 225.2 | 229.3 | 232.9 | 237.6 | 242.3 | 251.3 | 260.9 | 271.6 | 282.4 |
| -80° | 192.8 | 197.1 | 200.7 | 203.7 | 206.4 | 210.4 | 214.3 | 222.0 | 230.3 | 238.3 | 246.0 |
| -82.5° | 172.1 | 175.6 | 178.6 | 181.2 | 183.7 | 187.4 | 191.1 | 197.3 | 203.6 | 211.3 | 219.1 |
| -85° | 151.9 | 155.0 | 157.9 | 160.3 | 162.6 | 165.5 | 168.4 | 174.1 | 179.9 | 186.1 | 192.3 |
| -87.5° | 134.9 | 137.5 | 140.1 | 142.1 | 144.0 | 146.5 | 148.9 | 153.5 | 158.1 | 163.1 | 168.1 |
| -90° | 2.7 | 2.7 | 2.7 | 2.3 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.4 | 0.9 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| 90° | 154.6 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 154.6 | 154.2 | 149.8 | 145.3 | 141.3 |
| 87.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 85° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.2 | 2.6 | 2.6 |
| 82.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 80° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.4 | 3.0 | 2.7 | 3.1 |
| 77.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.8 |
| 75° | 3.1 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.1 | 3.5 | 3.8 | 4.0 | 3.9 |
| 72.5° | 21.7 | 23.2 | 24.2 | 24.8 | 24.2 | 23.2 | 21.7 | 19.9 | 18.1 | 16.3 | 14.3 |
| 70° | 28.0 | 28.3 | 28.4 | 28.4 | 28.4 | 28.3 | 28.0 | 27.5 | 26.5 | 25.3 | 23.9 |
| 67.5° | 34.4 | 35.1 | 35.3 | 35.4 | 35.3 | 35.1 | 34.4 | 33.2 | 31.1 | 29.2 | 27.7 |
| 65° | 22.0 | 20.3 | 18.9 | 17.7 | 18.9 | 20.3 | 22.0 | 23.0 | 23.0 | 23.3 | 23.7 |
| 62.5° | 13.3 | 12.7 | 12.5 | 12.4 | 12.5 | 12.7 | 13.3 | 13.6 | 13.5 | 14.2 | 15.5 |
| 60° | 7.9 | 8.1 | 7.7 | 7.1 | 7.7 | 8.1 | 7.9 | 7.8 | 7.7 | 8.0 | 8.5 |
| 57.5° | 5.7 | 6.1 | 6.6 | 7.1 | 6.6 | 6.1 | 5.7 | 5.4 | 5.1 | 5.1 | 5.3 |
| 55° | 8.5 | 9.3 | 10.0 | 10.6 | 10.0 | 9.3 | 8.5 | 7.9 | 7.2 | 6.7 | 7.1 |
| 52.5° | 24.8 | 22.2 | 21.4 | 22.1 | 21.4 | 22.2 | 24.8 | 27.5 | 28.8 | 28.7 | 24.7 |
| 50° | 140.2 | 143.1 | 146.6 | 150.6 | 146.6 | 143.1 | 140.2 | 136.3 | 128.5 | 117.3 | 101.5 |
| 47.5° | 331.3 | 325.0 | 319.1 | 317.2 | 319.1 | 325.0 | 331.3 | 327.2 | 313.0 | 292.4 | 289.2 |
| 45° | 628.0 | 581.8 | 558.3 | 572.3 | 558.3 | 581.8 | 628.0 | 678.6 | 628.2 | 550.4 | 487.8 |
| 42.5° | 1267.6 | 1336.0 | 1389.5 | 1414.9 | 1389.5 | 1336.0 | 1267.6 | 1208.9 | 1099.5 | 992.6 | 871.9 |
| 40° | 1589.2 | 1563.5 | 1577.3 | 1598.3 | 1577.3 | 1563.5 | 1589.2 | 1632.1 | 1604.7 | 1654.8 | 1629.1 |
| 37.5° | 1956.4 | 1964.9 | 1903.1 | 1802.0 | 1903.1 | 1964.9 | 1956.4 | 1941.1 | 1972.3 | 1952.7 | 1921.4 |
| 35° | 2134.4 | 2244.6 | 2450.7 | 2500.2 | 2450.7 | 2244.6 | 2134.4 | 2094.0 | 2075.0 | 2057.5 | 2031.9 |
| 32.5° | 2357.4 | 2471.7 | 2506.8 | 2520.5 | 2506.8 | 2471.7 | 2357.4 | 2226.4 | 2174.5 | 2159.1 | 2147.5 |
| 30° | 2623.8 | 2675.4 | 2662.4 | 2681.8 | 2662.4 | 2675.4 | 2623.8 | 2475.4 | 2360.4 | 2325.2 | 2294.7 |
| 27.5° | 2915.7 | 2945.9 | 2936.0 | 2961.7 | 2936.0 | 2945.9 | 2915.7 | 2842.8 | 2677.7 | 2584.4 | 2495.7 |
| 25° | 3669.2 | 3907.2 | 3894.8 | 3950.5 | 3894.8 | 3907.2 | 3669.2 | 3416.4 | 3112.7 | 2963.2 | 2793.7 |
| 22.5° | 7432.9 | 8274.5 | 8778.4 | 9266.2 | 8778.4 | 8274.5 | 7432.9 | 5735.8 | 4341.8 | 3670.5 | 3246.4 |
| 20° | 16607.7 | 19033.1 | 19561.1 | 19368.7 | 19561.1 | 19033.1 | 16607.7 | 12778.9 | 9325.1 | 5429.0 | 4189.2 |
| 17.5° | 35649.1 | 45326.1 | 50522.2 | 51100.1 | 50522.2 | 45326.1 | 35649.1 | 24837.6 | 19350.3 | 12184.5 | 6830.3 |
| 15° | 67089.3 | 84002.7 | 93605.7 | 94614.6 | 93605.7 | 84002.7 | 67089.3 | 51028.8 | 35483.2 | 23321.0 | 13584.5 |
| 12.5° | 109674.8 | 136609.4 | 156382.5 | 158588.6 | 156382.5 | 136609.4 | 109674.8 | 84809.7 | 56812.6 | 37939.8 | 22748.5 |
| 10° | 168007.1 | 204422.5 | 233218.6 | 240233.7 | 233218.6 | 204422.5 | 168007.1 | 126604.0 | 89314.5 | 55319.6 | 31967.5 |
| 7.5° | 226228.5 | 267786.0 | 301677.0 | 309650.9 | 301677.0 | 267786.0 | 226228.5 | 171305.5 | 119348.1 | 77017.9 | 45122.1 |
| 5° | 271742.2 | 324914.1 | 351959.6 | 360895.4 | 351959.6 | 324914.1 | 271742.2 | 211886.8 | 147719.1 | 95936.4 | 56341.6 |
| 2.5° | 306434.8 | 356641.9 | 388392.6 | 401419.4 | 388392.6 | 356641.9 | 306434.8 | 242914.3 | 170870.8 | 110063.3 | 65116.8 |
| 0° | 319826.9 | 368527.9 | 408960.7 | 434103.6 | 408960.7 | 368527.9 | 319826.9 | 255134.6 | 179886.9 | 116356.0 | 67523.0 |
| -2.5° | 314577.4 | 361468.0 | 395831.0 | 412140.8 | 395831.0 | 361468.0 | 314577.4 | 250543.6 | 176883.5 | 114857.3 | 69139.8 |
| -5° | 288039.5 | 335360.6 | 361929.1 | 370345.0 | 361929.1 | 335360.6 | 288039.5 | 227430.1 | 161572.8 | 106095.5 | 64386.2 |
| -7.5° | 243567.8 | 285220.9 | 316724.1 | 322371.0 | 316724.1 | 285220.9 | 243567.8 | 192545.6 | 135661.5 | 90162.9 | 55500.0 |
| -10° | 193042.3 | 229100.3 | 253133.1 | 257679.0 | 253133.1 | 229100.3 | 193042.3 | 149244.6 | 106714.1 | 70513.0 | 41870.7 |
| -12.5° | 136838.2 | 168511.4 | 187512.4 | 191018.5 | 187512.4 | 168511.4 | 136838.2 | 108900.8 | 77778.2 | 50754.6 | 32026.5 |
| -15° | 92988.4 | 112717.0 | 124233.4 | 125396.2 | 124233.4 | 112717.0 | 92988.4 | 72448.5 | 52196.9 | 35434.8 | 21192.5 |
| -17.5° | 58182.9 | 69918.0 | 77095.7 | 77162.2 | 77095.7 | 69918.0 | 58182.9 | 42777.6 | 32884.8 | 21904.3 | 13008.8 |
| -20° | 33684.4 | 39284.4 | 43300.1 | 43283.3 | 43300.1 | 39284.4 | 33684.4 | 25233.3 | 18639.8 | 11903.3 | 8284.4 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| -22.5° | 17550.0 | 20878.3 | 23299.7 | 23189.0 | 23299.7 | 20878.3 | 17550.0 | 13174.6 | 9686.6 | 7417.0 | 6004.1 |
| -25° | 8617.9 | 9892.1 | 10740.2 | 10674.0 | 10740.2 | 9892.1 | 8617.9 | 7247.6 | 5973.1 | 5812.1 | 5651.9 |
| -27.5° | 5840.3 | 5980.5 | 6077.3 | 6087.4 | 6077.3 | 5980.5 | 5840.3 | 5721.9 | 5584.5 | 5620.7 | 5676.2 |
| -30° | 5610.7 | 5642.8 | 5676.5 | 5685.2 | 5676.5 | 5642.8 | 5610.7 | 5620.2 | 5644.8 | 5656.9 | 5674.0 |
| -32.5° | 5666.1 | 5691.1 | 5728.2 | 5751.6 | 5728.2 | 5691.1 | 5666.1 | 5652.3 | 5648.0 | 5654.6 | 5670.0 |
| -35° | 5670.2 | 5699.2 | 5742.1 | 5761.4 | 5742.1 | 5699.2 | 5670.2 | 5652.5 | 5645.5 | 5648.4 | 5632.3 |
| -37.5° | 5643.8 | 5679.3 | 5716.1 | 5733.0 | 5716.1 | 5679.3 | 5643.8 | 5615.9 | 5594.1 | 5578.1 | 5485.5 |
| -40° | 5543.6 | 5579.9 | 5606.8 | 5609.0 | 5606.8 | 5579.9 | 5543.6 | 5504.5 | 5460.5 | 5376.7 | 5168.7 |
| -42.5° | 5377.8 | 5422.8 | 5443.5 | 5439.8 | 5443.5 | 5422.8 | 5377.8 | 5284.7 | 5144.8 | 4929.9 | 4550.1 |
| -45° | 4986.4 | 5145.7 | 5223.9 | 5243.1 | 5223.9 | 5145.7 | 4986.4 | 4656.9 | 4309.5 | 3936.6 | 3437.3 |
| -47.5° | 3776.8 | 4010.4 | 4160.1 | 4219.8 | 4160.1 | 4010.4 | 3776.8 | 3356.7 | 2994.2 | 2667.4 | 2251.9 |
| -50° | 2313.3 | 2335.0 | 2349.3 | 2356.6 | 2349.3 | 2335.0 | 2313.3 | 2217.8 | 2144.8 | 2096.6 | 2030.2 |
| -52.5° | 2067.5 | 2073.7 | 2077.1 | 2077.6 | 2077.1 | 2073.7 | 2067.5 | 2045.5 | 2019.1 | 1991.2 | 1964.3 |
| -55° | 1992.3 | 2004.8 | 2012.7 | 2014.7 | 2012.7 | 2004.8 | 1992.3 | 1960.4 | 1916.1 | 1868.7 | 1818.3 |
| -57.5° | 1796.1 | 1803.3 | 1811.2 | 1816.2 | 1811.2 | 1803.3 | 1796.1 | 1764.5 | 1716.5 | 1667.2 | 1611.8 |
| -60° | 1561.2 | 1567.7 | 1569.0 | 1564.6 | 1569.0 | 1567.7 | 1561.2 | 1537.0 | 1496.8 | 1450.9 | 1400.2 |
| -62.5° | 1336.8 | 1342.9 | 1348.9 | 1351.1 | 1348.9 | 1342.9 | 1336.8 | 1316.1 | 1278.3 | 1235.3 | 1187.4 |
| -65° | 1105.6 | 1108.6 | 1110.0 | 1107.4 | 1110.0 | 1108.6 | 1105.6 | 1088.7 | 1052.5 | 1012.8 | 970.5 |
| -67.5° | 873.7 | 879.6 | 888.1 | 893.9 | 888.1 | 879.6 | 873.7 | 859.5 | 829.3 | 798.4 | 768.6 |
| -70° | 673.0 | 670.3 | 676.0 | 680.4 | 676.0 | 670.3 | 673.0 | 666.5 | 638.5 | 611.4 | 586.6 |
| -72.5° | 485.3 | 482.3 | 480.3 | 476.6 | 480.3 | 482.3 | 485.3 | 482.9 | 464.5 | 444.8 | 424.2 |
| -75° | 347.0 | 343.5 | 343.0 | 342.0 | 343.0 | 343.5 | 347.0 | 347.7 | 335.7 | 322.9 | 310.1 |
| -77.5° | 282.5 | 281.1 | 279.4 | 277.3 | 279.4 | 281.1 | 282.5 | 282.4 | 271.6 | 260.9 | 251.3 |
| -80° | 246.7 | 246.8 | 245.8 | 244.5 | 245.8 | 246.8 | 246.7 | 246.0 | 238.3 | 230.3 | 222.0 |
| -82.5° | 219.5 | 219.4 | 218.7 | 217.9 | 218.7 | 219.4 | 219.5 | 219.1 | 211.3 | 203.6 | 197.3 |
| -85° | 192.7 | 192.9 | 192.2 | 191.4 | 192.2 | 192.9 | 192.7 | 192.3 | 186.1 | 179.9 | 174.1 |
| -87.5° | 168.6 | 169.1 | 168.7 | 168.3 | 168.7 | 169.1 | 168.6 | 168.1 | 163.1 | 158.1 | 153.5 |
| -90° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.4 | 1.8 | 1.8 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 137.3 | 134.7 | 132.0 | 130.7 | 129.3 | 126.7 | 124.0 | 120.5 | 116.9 | 112.5 | 108.1 |
| 87.5° | 1.8 | 2.2 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.1 | 3.5 |
| 85° | 2.6 | 2.6 | 2.7 | 3.0 | 3.3 | 3.2 | 3.2 | 3.2 | 3.1 | 3.3 | 3.5 |
| 82.5° | 2.7 | 3.0 | 3.3 | 3.4 | 3.5 | 3.5 | 3.5 | 3.7 | 3.8 | 3.7 | 3.6 |
| 80° | 3.3 | 3.4 | 3.5 | 3.5 | 3.5 | 3.7 | 3.8 | 4.1 | 4.4 | 4.3 | 4.3 |
| 77.5° | 3.0 | 3.3 | 3.6 | 3.7 | 3.9 | 4.1 | 4.4 | 4.4 | 4.5 | 4.8 | 4.9 |
| 75° | 4.0 | 4.8 | 5.2 | 5.4 | 5.3 | 4.6 | 4.6 | 4.9 | 5.0 | 5.1 | 5.3 |
| 72.5° | 12.5 | 11.6 | 11.1 | 10.6 | 9.8 | 9.5 | 9.0 | 8.3 | 7.4 | 6.2 | 5.3 |
| 70° | 22.8 | 21.8 | 21.2 | 21.3 | 21.2 | 20.6 | 18.1 | 15.2 | 12.9 | 11.2 | 9.0 |
| 67.5° | 27.7 | 28.8 | 30.0 | 30.9 | 30.4 | 30.1 | 27.9 | 24.7 | 23.7 | 21.6 | 15.7 |
| 65° | 25.4 | 27.7 | 29.1 | 29.7 | 30.1 | 31.8 | 34.1 | 33.4 | 34.7 | 33.3 | 26.0 |
| 62.5° | 18.0 | 21.1 | 22.8 | 24.2 | 24.6 | 26.2 | 30.6 | 35.3 | 42.4 | 44.3 | 35.9 |
| 60° | 10.5 | 12.4 | 14.5 | 16.7 | 18.1 | 21.3 | 26.5 | 34.3 | 44.2 | 43.5 | 40.0 |
| 57.5° | 6.7 | 8.1 | 10.3 | 11.9 | 12.5 | 16.2 | 21.8 | 31.5 | 41.5 | 41.1 | 36.0 |
| 55° | 9.0 | 10.4 | 11.4 | 13.3 | 14.3 | 17.1 | 20.0 | 28.0 | 37.4 | 40.5 | 38.7 |
| 52.5° | 17.6 | 23.6 | 25.5 | 23.1 | 23.0 | 24.4 | 26.0 | 32.3 | 38.0 | 42.6 | 44.2 |
| 50° | 90.4 | 99.5 | 87.8 | 70.3 | 73.0 | 51.2 | 56.9 | 55.5 | 53.1 | 55.6 | 53.9 |
| 47.5° | 276.6 | 255.9 | 235.4 | 217.2 | 194.5 | 168.4 | 162.4 | 125.5 | 121.9 | 90.6 | 90.3 |
| 45° | 477.0 | 453.1 | 419.1 | 390.4 | 375.7 | 346.6 | 327.0 | 298.9 | 243.0 | 217.0 | 150.7 |
| 42.5° | 867.2 | 733.6 | 617.1 | 564.5 | 512.6 | 489.7 | 474.5 | 456.2 | 426.4 | 373.7 | 312.6 |
| 40° | 1474.5 | 1316.7 | 1094.9 | 810.8 | 687.7 | 606.3 | 577.8 | 571.5 | 556.5 | 528.1 | 463.5 |
| 37.5° | 1909.8 | 1820.1 | 1597.5 | 1351.5 | 1019.4 | 813.2 | 711.4 | 656.1 | 652.7 | 637.7 | 594.7 |
| 35° | 2005.2 | 1978.1 | 1934.7 | 1755.8 | 1473.5 | 1302.5 | 963.3 | 797.3 | 730.8 | 718.9 | 704.5 |
| 32.5° | 2130.8 | 2102.1 | 2063.5 | 2030.1 | 1957.5 | 1935.0 | 1514.8 | 1052.9 | 836.4 | 792.5 | 769.5 |
| 30° | 2264.0 | 2245.3 | 2219.3 | 2207.9 | 2213.6 | 2205.5 | 2107.7 | 1520.6 | 1070.9 | 863.9 | 837.6 |
| 27.5° | 2448.1 | 2396.9 | 2376.3 | 2396.1 | 2436.1 | 2459.4 | 2384.5 | 2094.4 | 1402.0 | 1058.8 | 905.9 |
| 25° | 2702.8 | 2625.9 | 2596.6 | 2641.1 | 2712.1 | 2740.6 | 2690.9 | 2500.3 | 2020.2 | 1319.2 | 977.2 |
| 22.5° | 3041.4 | 2980.7 | 2966.7 | 3060.4 | 3081.6 | 3111.4 | 3019.1 | 2904.8 | 2646.5 | 1712.3 | 1194.4 |
| 20° | 3528.2 | 3387.3 | 3381.5 | 3401.3 | 3400.8 | 3386.4 | 3273.6 | 3170.5 | 2887.6 | 2218.0 | 1437.8 |
| 17.5° | 4543.6 | 3791.9 | 3679.2 | 3640.6 | 3607.9 | 3528.5 | 3462.3 | 3303.3 | 3098.6 | 2645.0 | 1674.0 |
| 15° | 6561.5 | 4639.4 | 4019.4 | 3932.2 | 3877.6 | 3791.5 | 3706.9 | 3523.4 | 3330.6 | 2909.5 | 2012.4 |
| 12.5° | 12638.2 | 5950.8 | 4319.9 | 4118.6 | 4075.4 | 4007.0 | 3902.7 | 3813.5 | 3558.4 | 3148.5 | 2362.3 |
| 10° | 17822.5 | 8631.8 | 5156.0 | 4335.2 | 4185.6 | 4092.4 | 4011.0 | 3920.8 | 3706.9 | 3364.3 | 2704.3 |
| 7.5° | 24794.5 | 12600.9 | 6102.6 | 4553.5 | 4326.2 | 4170.2 | 4065.0 | 3975.1 | 3801.2 | 3456.1 | 2931.2 |
| 5° | 30336.5 | 15466.8 | 6837.7 | 4768.3 | 4508.0 | 4322.4 | 4127.7 | 4031.9 | 3859.4 | 3491.1 | 3080.8 |
| 2.5° | 33641.3 | 17311.7 | 7280.5 | 4891.6 | 4641.6 | 4522.0 | 4229.1 | 4087.7 | 3881.7 | 3514.8 | 3175.6 |
| 0° | 35582.6 | 18224.1 | 7726.4 | 4956.0 | 4704.4 | 4632.7 | 4389.0 | 4140.1 | 3873.4 | 3522.6 | 3221.3 |
| -2.5° | 37109.9 | 19154.9 | 7950.2 | 5081.9 | 4801.4 | 4721.9 | 4569.7 | 4342.5 | 3918.1 | 3532.2 | 3248.2 |
| -5° | 35403.4 | 18224.1 | 7925.7 | 5159.5 | 4885.5 | 4808.4 | 4687.6 | 4474.8 | 3986.1 | 3553.6 | 3228.6 |
| -7.5° | 31270.0 | 15749.3 | 7457.2 | 5225.4 | 4974.2 | 4893.6 | 4767.9 | 4557.9 | 4126.0 | 3662.8 | 3183.1 |
| -10° | 24543.5 | 12023.0 | 6600.2 | 5287.7 | 5089.2 | 4983.5 | 4846.2 | 4582.0 | 4184.5 | 3749.0 | 3087.7 |
| -12.5° | 18036.5 | 9144.8 | 5795.2 | 5313.9 | 5222.6 | 5086.6 | 4916.8 | 4573.2 | 4220.6 | 3864.9 | 3024.5 |
| -15° | 11679.5 | 7230.9 | 5687.7 | 5408.6 | 5307.9 | 5155.6 | 4952.6 | 4549.7 | 4228.8 | 3935.5 | 2875.3 |
| -17.5° | 8238.6 | 5939.6 | 5542.9 | 5451.2 | 5340.3 | 5193.7 | 4891.0 | 4521.9 | 4193.0 | 3733.7 | 2568.3 |
| -20° | 6018.4 | 5725.5 | 5617.5 | 5513.2 | 5363.9 | 5198.0 | 4793.0 | 4469.4 | 4098.2 | 3318.3 | 2299.6 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 5731.2 | 5722.2 | 5714.3 | 5594.3 | 5433.0 | 5086.7 | 4710.1 | 4384.5 | 3957.6 | 2907.9 | 2038.1 |
| -25° | 5702.6 | 5747.9 | 5744.9 | 5661.8 | 5411.9 | 5009.0 | 4652.6 | 4238.0 | 3492.3 | 2551.0 | 1795.2 |
| -27.5° | 5710.0 | 5744.4 | 5748.6 | 5625.4 | 5320.7 | 4942.0 | 4555.4 | 4004.7 | 2919.8 | 2170.9 | 1787.2 |
| -30° | 5699.2 | 5722.7 | 5666.6 | 5484.0 | 5177.5 | 4824.9 | 4436.5 | 3396.2 | 2471.0 | 1881.1 | 1763.9 |
| -32.5° | 5681.8 | 5631.0 | 5516.9 | 5256.2 | 4978.2 | 4681.1 | 3802.8 | 2795.7 | 2049.9 | 1848.0 | 1745.1 |
| -35° | 5596.0 | 5435.7 | 5208.6 | 4982.5 | 4784.3 | 4013.0 | 3106.2 | 2265.7 | 1925.3 | 1811.8 | 1725.4 |
| -37.5° | 5331.2 | 5098.2 | 4862.1 | 4589.9 | 3956.4 | 3198.7 | 2381.7 | 2009.0 | 1871.3 | 1789.0 | 1670.8 |
| -40° | 4902.0 | 4655.4 | 4167.8 | 3638.1 | 3001.5 | 2283.7 | 2052.7 | 1929.3 | 1847.2 | 1738.8 | 1593.6 |
| -42.5° | 4092.3 | 3631.8 | 3167.0 | 2618.6 | 2151.7 | 2057.5 | 1965.7 | 1895.6 | 1793.8 | 1650.9 | 1491.5 |
| -45° | 2991.2 | 2568.5 | 2175.9 | 2108.5 | 2033.3 | 1979.0 | 1927.8 | 1822.0 | 1696.5 | 1538.9 | 1380.7 |
| -47.5° | 2126.2 | 2079.9 | 2028.0 | 2004.3 | 1972.4 | 1920.5 | 1817.4 | 1706.4 | 1562.0 | 1409.9 | 1263.5 |
| -50° | 1988.4 | 1974.5 | 1962.6 | 1936.7 | 1861.2 | 1776.3 | 1671.5 | 1561.2 | 1422.0 | 1281.6 | 1142.8 |
| -52.5° | 1931.3 | 1883.9 | 1834.1 | 1776.3 | 1695.4 | 1600.8 | 1502.5 | 1403.6 | 1281.8 | 1149.3 | 1018.4 |
| -55° | 1764.5 | 1708.0 | 1650.6 | 1581.7 | 1505.8 | 1424.6 | 1340.9 | 1242.6 | 1133.4 | 1010.5 | 891.8 |
| -57.5° | 1552.5 | 1496.7 | 1448.9 | 1390.1 | 1322.0 | 1247.3 | 1163.7 | 1071.1 | 979.3 | 870.0 | 764.0 |
| -60° | 1347.0 | 1292.8 | 1250.6 | 1196.8 | 1132.3 | 1061.0 | 984.9 | 904.9 | 820.0 | 741.8 | 659.8 |
| -62.5° | 1141.9 | 1096.4 | 1051.0 | 1000.1 | 943.2 | 881.7 | 816.7 | 756.3 | 694.0 | 626.6 | 551.5 |
| -65° | 929.8 | 886.0 | 845.0 | 810.8 | 770.2 | 726.5 | 674.7 | 621.2 | 565.0 | 505.3 | 440.2 |
| -67.5° | 737.6 | 705.0 | 676.2 | 647.6 | 612.5 | 575.9 | 531.9 | 485.1 | 439.3 | 393.0 | 342.0 |
| -70° | 560.2 | 534.0 | 507.7 | 479.5 | 455.5 | 432.4 | 401.4 | 367.0 | 328.3 | 296.4 | 267.5 |
| -72.5° | 404.0 | 385.1 | 366.1 | 349.3 | 329.9 | 314.6 | 299.6 | 281.2 | 259.0 | 234.5 | 214.5 |
| -75° | 297.3 | 286.9 | 277.6 | 270.4 | 260.9 | 249.4 | 239.8 | 229.0 | 217.8 | 205.9 | 193.9 |
| -77.5° | 242.3 | 237.6 | 232.9 | 229.3 | 225.2 | 219.9 | 213.3 | 204.4 | 195.8 | 186.0 | 176.1 |
| -80° | 214.3 | 210.4 | 206.4 | 203.7 | 200.7 | 197.1 | 192.8 | 185.4 | 177.6 | 168.6 | 159.9 |
| -82.5° | 191.1 | 187.4 | 183.7 | 181.2 | 178.6 | 175.6 | 172.1 | 165.7 | 159.2 | 151.9 | 144.8 |
| -85° | 168.4 | 165.5 | 162.6 | 160.3 | 157.9 | 155.0 | 151.9 | 146.9 | 141.8 | 135.6 | 129.5 |
| -87.5° | 148.9 | 146.5 | 144.0 | 142.1 | 140.1 | 137.5 | 134.9 | 131.0 | 127.0 | 121.9 | 116.8 |
| -90° | 1.8 | 1.8 | 1.8 | 2.3 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.1 | 3.5 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 90° | 103.7 | 99.2 | 95.3 | 91.3 | 87.8 | 84.2 | 80.2 | 76.2 | 70.9 | 65.6 | 59.0 |
| 87.5° | 3.5 | 3.5 | 3.8 | 4.0 | 4.0 | 4.0 | 4.2 | 4.4 | 4.4 | 4.4 | 4.5 |
| 85° | 3.7 | 3.8 | 4.1 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.7 |
| 82.5° | 4.0 | 4.3 | 4.3 | 4.4 | 4.7 | 4.8 | 4.7 | 4.6 | 4.6 | 4.5 | 4.8 |
| 80° | 4.3 | 4.4 | 4.6 | 4.7 | 5.0 | 5.3 | 5.2 | 5.1 | 5.1 | 5.1 | 5.2 |
| 77.5° | 4.7 | 4.7 | 5.0 | 5.2 | 5.2 | 5.4 | 5.5 | 5.5 | 5.7 | 5.7 | 5.6 |
| 75° | 5.3 | 5.2 | 5.2 | 5.4 | 5.4 | 5.4 | 5.7 | 5.9 | 6.1 | 6.2 | 5.9 |
| 72.5° | 5.3 | 5.4 | 5.5 | 5.5 | 5.8 | 5.9 | 6.1 | 6.3 | 6.5 | 6.6 | 6.3 |
| 70° | 6.9 | 5.9 | 5.9 | 6.1 | 6.2 | 6.4 | 6.6 | 6.8 | 6.9 | 7.0 | 6.8 |
| 67.5° | 9.8 | 8.2 | 7.2 | 6.8 | 6.8 | 7.1 | 7.1 | 7.4 | 7.5 | 7.4 | 7.2 |
| 65° | 19.1 | 13.3 | 8.8 | 8.3 | 7.7 | 7.8 | 7.9 | 8.2 | 8.2 | 8.3 | 7.7 |
| 62.5° | 28.1 | 20.7 | 15.2 | 11.1 | 9.6 | 9.9 | 8.9 | 9.6 | 9.1 | 9.3 | 8.7 |
| 60° | 36.7 | 28.5 | 22.2 | 17.6 | 14.2 | 12.8 | 12.2 | 11.1 | 11.0 | 10.5 | 9.9 |
| 57.5° | 36.0 | 34.8 | 31.4 | 25.2 | 21.6 | 18.3 | 16.5 | 14.9 | 13.2 | 12.6 | 11.3 |
| 55° | 35.4 | 35.5 | 39.3 | 35.4 | 31.1 | 26.0 | 22.9 | 19.9 | 16.4 | 15.2 | 12.9 |
| 52.5° | 41.4 | 42.2 | 45.4 | 47.4 | 44.2 | 36.3 | 33.0 | 25.5 | 22.6 | 18.0 | 15.7 |
| 50° | 51.3 | 55.9 | 56.5 | 61.5 | 58.8 | 53.6 | 44.1 | 36.4 | 29.3 | 22.1 | 18.7 |
| 47.5° | 77.7 | 82.0 | 77.7 | 81.8 | 77.9 | 73.6 | 62.1 | 49.4 | 36.6 | 28.9 | 21.8 |
| 45° | 149.1 | 124.4 | 120.4 | 113.5 | 104.6 | 99.5 | 83.9 | 63.7 | 49.7 | 36.3 | 25.1 |
| 42.5° | 248.6 | 213.7 | 193.8 | 152.0 | 147.5 | 129.9 | 109.6 | 86.7 | 63.8 | 44.3 | 30.6 |
| 40° | 388.4 | 336.4 | 289.6 | 242.2 | 201.0 | 164.1 | 142.5 | 112.7 | 78.9 | 54.7 | 37.9 |
| 37.5° | 524.1 | 462.3 | 408.6 | 338.1 | 269.2 | 220.0 | 178.5 | 140.6 | 98.3 | 69.3 | 45.4 |
| 35° | 637.0 | 579.3 | 507.2 | 431.7 | 359.3 | 277.1 | 217.2 | 171.8 | 124.4 | 84.7 | 53.2 |
| 32.5° | 729.6 | 671.3 | 588.7 | 512.2 | 431.0 | 334.0 | 264.3 | 205.0 | 150.8 | 100.8 | 61.3 |
| 30° | 798.8 | 743.2 | 664.8 | 575.5 | 489.3 | 393.3 | 311.5 | 236.5 | 177.6 | 117.5 | 70.6 |
| 27.5° | 870.6 | 817.2 | 738.4 | 639.8 | 539.6 | 444.2 | 350.2 | 266.4 | 204.5 | 134.6 | 82.9 |
| 25° | 942.3 | 887.5 | 814.6 | 710.9 | 590.0 | 484.2 | 385.4 | 294.8 | 230.0 | 152.5 | 94.6 |
| 22.5° | 1005.0 | 952.3 | 890.4 | 786.0 | 646.9 | 523.0 | 418.4 | 325.6 | 247.3 | 169.1 | 105.5 |
| 20° | 1062.6 | 1007.4 | 961.5 | 849.6 | 708.8 | 569.5 | 450.7 | 349.5 | 263.4 | 184.2 | 115.7 |
| 17.5° | 1144.9 | 1056.3 | 998.5 | 898.5 | 767.1 | 617.2 | 484.1 | 372.1 | 278.1 | 197.8 | 125.2 |
| 15° | 1333.3 | 1104.4 | 1035.0 | 941.6 | 814.6 | 662.3 | 517.5 | 393.9 | 291.5 | 210.0 | 133.6 |
| 12.5° | 1505.6 | 1150.0 | 1073.2 | 978.5 | 850.4 | 701.7 | 550.3 | 414.4 | 303.5 | 221.5 | 140.7 |
| 10° | 1679.6 | 1194.2 | 1110.7 | 1014.1 | 881.0 | 735.7 | 581.8 | 435.7 | 318.3 | 232.5 | 147.0 |
| 7.5° | 1870.5 | 1237.6 | 1145.6 | 1048.3 | 907.4 | 763.5 | 609.3 | 459.9 | 332.7 | 242.4 | 152.5 |
| 5° | 2043.8 | 1277.5 | 1181.9 | 1086.4 | 934.1 | 785.5 | 632.8 | 482.1 | 345.9 | 251.0 | 157.1 |
| 2.5° | 2165.2 | 1311.3 | 1217.6 | 1122.1 | 957.2 | 803.2 | 652.6 | 502.0 | 357.6 | 258.2 | 161.0 |
| 0° | 2255.6 | 1341.3 | 1250.1 | 1153.5 | 976.3 | 816.9 | 668.9 | 519.2 | 367.7 | 264.0 | 163.9 |
| -2.5° | 2251.8 | 1366.5 | 1276.8 | 1183.8 | 1011.7 | 836.9 | 679.4 | 528.2 | 378.3 | 272.1 | 169.9 |
| -5° | 2213.4 | 1388.6 | 1300.9 | 1209.3 | 1041.4 | 852.5 | 686.5 | 534.3 | 386.9 | 278.4 | 174.9 |
| -7.5° | 2165.8 | 1413.4 | 1323.7 | 1230.0 | 1064.2 | 862.9 | 690.0 | 537.5 | 393.5 | 283.0 | 178.7 |
| -10° | 2087.3 | 1437.8 | 1344.8 | 1239.9 | 1068.9 | 869.1 | 691.2 | 538.1 | 397.8 | 285.8 | 181.4 |
| -12.5° | 1990.4 | 1460.0 | 1362.8 | 1243.9 | 1066.4 | 872.1 | 695.8 | 537.4 | 399.6 | 286.7 | 182.8 |
| -15° | 1861.5 | 1489.9 | 1384.9 | 1242.8 | 1059.4 | 871.0 | 695.3 | 533.7 | 396.4 | 284.6 | 182.8 |
| -17.5° | 1679.7 | 1512.2 | 1405.8 | 1238.5 | 1048.4 | 866.0 | 689.5 | 525.8 | 390.8 | 279.3 | 180.9 |
| -20° | 1658.1 | 1532.9 | 1417.4 | 1225.1 | 1033.1 | 855.1 | 677.9 | 513.4 | 382.9 | 272.3 | 177.5 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| -22.5° | 1673.1 | 1556.3 | 1411.8 | 1202.6 | 1014.3 | 839.2 | 661.3 | 497.1 | 372.5 | 263.5 | 172.9 |
| -25° | 1676.3 | 1578.7 | 1403.7 | 1190.4 | 992.7 | 817.0 | 641.9 | 481.0 | 359.7 | 252.9 | 167.1 |
| -27.5° | 1675.0 | 1574.7 | 1391.0 | 1164.6 | 968.9 | 789.6 | 620.4 | 469.7 | 349.2 | 240.6 | 160.1 |
| -30° | 1671.0 | 1532.3 | 1346.2 | 1127.1 | 935.9 | 758.8 | 595.5 | 455.7 | 337.5 | 230.8 | 152.0 |
| -32.5° | 1647.9 | 1484.9 | 1288.5 | 1084.7 | 896.8 | 723.9 | 568.0 | 438.5 | 323.1 | 222.5 | 146.9 |
| -35° | 1587.4 | 1420.7 | 1229.6 | 1035.9 | 853.6 | 690.3 | 540.9 | 418.3 | 306.1 | 212.2 | 142.6 |
| -37.5° | 1521.2 | 1340.9 | 1169.9 | 982.5 | 806.2 | 652.5 | 515.9 | 396.3 | 286.6 | 199.8 | 137.6 |
| -40° | 1425.4 | 1253.8 | 1091.1 | 922.8 | 757.7 | 610.3 | 486.9 | 371.6 | 269.0 | 185.4 | 131.4 |
| -42.5° | 1324.9 | 1162.7 | 1007.8 | 852.2 | 705.5 | 572.3 | 454.2 | 343.7 | 250.1 | 174.5 | 124.1 |
| -45° | 1223.0 | 1068.5 | 920.9 | 782.8 | 649.7 | 529.8 | 418.9 | 313.5 | 228.8 | 164.7 | 118.5 |
| -47.5° | 1115.3 | 971.7 | 836.1 | 708.7 | 596.8 | 483.0 | 378.0 | 286.4 | 205.2 | 153.4 | 116.2 |
| -50° | 1004.3 | 872.8 | 750.2 | 639.7 | 536.4 | 432.5 | 335.5 | 256.6 | 190.5 | 140.7 | 113.5 |
| -52.5° | 892.1 | 773.1 | 668.3 | 570.6 | 473.2 | 377.5 | 296.8 | 224.7 | 174.3 | 134.0 | 110.4 |
| -55° | 777.5 | 680.8 | 589.7 | 498.1 | 406.9 | 328.2 | 255.6 | 203.4 | 156.8 | 129.8 | 107.1 |
| -57.5° | 678.1 | 593.3 | 507.0 | 421.8 | 346.4 | 278.6 | 223.9 | 180.9 | 148.4 | 125.1 | 104.9 |
| -60° | 580.1 | 500.3 | 420.6 | 352.7 | 288.9 | 237.0 | 197.6 | 162.5 | 142.2 | 120.3 | 102.4 |
| -62.5° | 478.0 | 407.2 | 345.6 | 286.7 | 242.2 | 205.6 | 173.5 | 154.1 | 135.3 | 116.8 | 99.6 |
| -65° | 382.3 | 325.6 | 273.0 | 239.2 | 205.9 | 178.5 | 163.1 | 145.2 | 129.5 | 112.9 | 96.5 |
| -67.5° | 290.9 | 259.6 | 228.5 | 198.2 | 180.6 | 166.4 | 152.1 | 138.0 | 123.9 | 108.7 | 93.2 |
| -70° | 238.6 | 210.7 | 192.8 | 179.7 | 166.9 | 154.3 | 143.3 | 131.1 | 118.1 | 104.5 | 89.7 |
| -72.5° | 201.4 | 188.6 | 176.3 | 164.6 | 154.6 | 144.6 | 134.7 | 124.1 | 112.5 | 100.2 | 86.0 |
| -75° | 181.8 | 171.4 | 162.1 | 152.8 | 143.6 | 134.6 | 126.4 | 117.4 | 106.8 | 95.6 | 82.1 |
| -77.5° | 166.6 | 157.5 | 149.2 | 141.2 | 133.4 | 125.9 | 118.4 | 110.4 | 100.7 | 90.5 | 78.0 |
| -80° | 152.1 | 144.5 | 137.3 | 130.1 | 123.5 | 117.0 | 110.0 | 102.9 | 94.1 | 85.1 | 73.7 |
| -82.5° | 138.3 | 131.8 | 125.2 | 118.6 | 112.7 | 106.8 | 101.0 | 95.1 | 87.4 | 79.6 | 69.6 |
| -85° | 123.9 | 118.4 | 112.5 | 106.7 | 101.6 | 96.5 | 92.4 | 88.0 | 81.6 | 75.0 | 66.2 |
| -87.5° | 112.3 | 107.7 | 103.0 | 98.4 | 94.4 | 90.4 | 86.3 | 82.2 | 76.3 | 70.4 | 62.6 |
| -90° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 4.0 | 4.4 | 4.4 | 4.4 | 4.4 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| 90° | 52.3 | 43.4 | 34.6 | 24.4 | 14.2 | 9.3 | 4.4 |
| 87.5° | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.4 |
| 85° | 4.9 | 4.8 | 4.7 | 4.8 | 4.7 | 4.6 | 4.4 |
| 82.5° | 5.1 | 5.0 | 4.9 | 4.9 | 4.9 | 4.8 | 4.4 |
| 80° | 5.3 | 5.2 | 5.0 | 5.1 | 5.0 | 4.9 | 4.4 |
| 77.5° | 5.6 | 5.4 | 5.2 | 5.3 | 5.2 | 5.0 | 4.4 |
| 75° | 5.8 | 5.7 | 5.4 | 5.5 | 5.4 | 5.1 | 4.4 |
| 72.5° | 6.1 | 6.0 | 5.7 | 5.7 | 5.5 | 5.2 | 4.4 |
| 70° | 6.4 | 6.3 | 6.1 | 5.9 | 5.7 | 5.3 | 4.4 |
| 67.5° | 6.9 | 6.7 | 6.4 | 6.1 | 5.9 | 5.5 | 4.4 |
| 65° | 7.5 | 7.1 | 6.7 | 6.4 | 6.1 | 5.6 | 4.4 |
| 62.5° | 8.0 | 7.6 | 7.0 | 6.6 | 6.2 | 5.7 | 4.4 |
| 60° | 8.6 | 8.1 | 7.3 | 6.8 | 6.4 | 5.8 | 4.4 |
| 57.5° | 10.0 | 8.7 | 7.9 | 7.1 | 6.7 | 5.9 | 4.4 |
| 55° | 11.7 | 9.2 | 8.5 | 7.3 | 6.9 | 6.0 | 4.4 |
| 52.5° | 13.5 | 10.0 | 9.2 | 7.5 | 7.2 | 6.2 | 4.4 |
| 50° | 15.4 | 11.9 | 9.9 | 7.7 | 7.5 | 6.3 | 4.4 |
| 47.5° | 17.5 | 13.8 | 10.7 | 8.0 | 7.9 | 6.4 | 4.4 |
| 45° | 20.3 | 15.8 | 11.5 | 8.6 | 8.2 | 6.5 | 4.4 |
| 42.5° | 23.2 | 17.9 | 12.3 | 9.3 | 8.6 | 6.6 | 4.4 |
| 40° | 26.2 | 20.0 | 13.6 | 10.1 | 9.0 | 6.7 | 4.4 |
| 37.5° | 29.6 | 22.2 | 15.2 | 11.2 | 9.4 | 6.8 | 4.4 |
| 35° | 33.0 | 24.8 | 16.9 | 12.3 | 9.8 | 6.9 | 4.4 |
| 32.5° | 37.4 | 27.5 | 18.6 | 13.4 | 10.2 | 7.0 | 4.4 |
| 30° | 43.9 | 30.2 | 20.3 | 14.6 | 10.6 | 7.1 | 4.4 |
| 27.5° | 50.4 | 32.9 | 22.4 | 15.8 | 11.1 | 7.2 | 4.4 |
| 25° | 56.8 | 35.5 | 24.6 | 17.0 | 11.6 | 7.3 | 4.4 |
| 22.5° | 63.1 | 38.3 | 26.6 | 18.2 | 12.0 | 7.4 | 4.4 |
| 20° | 69.2 | 41.1 | 28.6 | 19.4 | 12.5 | 7.5 | 4.4 |
| 17.5° | 74.7 | 43.9 | 30.6 | 20.6 | 13.0 | 7.6 | 4.4 |
| 15° | 79.7 | 46.5 | 32.4 | 21.8 | 13.4 | 7.7 | 4.4 |
| 12.5° | 84.2 | 49.0 | 34.2 | 23.0 | 13.9 | 7.7 | 4.4 |
| 10° | 88.3 | 51.4 | 35.8 | 24.2 | 14.3 | 7.8 | 4.4 |
| 7.5° | 92.0 | 53.6 | 37.4 | 25.3 | 14.7 | 7.9 | 4.4 |
| 5° | 95.1 | 55.7 | 38.9 | 26.4 | 15.2 | 7.9 | 4.4 |
| 2.5° | 97.9 | 57.6 | 40.3 | 27.4 | 15.5 | 8.0 | 4.4 |
| 0° | 100.1 | 59.4 | 41.6 | 28.4 | 15.9 | 8.0 | 4.4 |
| -2.5° | 103.3 | 61.9 | 43.4 | 29.6 | 16.7 | 8.3 | 4.4 |
| -5° | 106.0 | 64.1 | 45.1 | 30.8 | 17.5 | 8.7 | 4.4 |
| -7.5° | 108.2 | 66.2 | 46.7 | 31.9 | 18.3 | 9.0 | 4.4 |
| -10° | 109.9 | 68.1 | 48.2 | 32.9 | 19.0 | 9.3 | 4.4 |
| -12.5° | 111.0 | 69.8 | 49.6 | 33.8 | 19.7 | 9.6 | 4.4 |
| -15° | 111.5 | 71.2 | 50.8 | 34.7 | 20.4 | 9.9 | 4.4 |
| -17.5° | 111.5 | 72.5 | 51.8 | 35.5 | 20.9 | 10.2 | 4.4 |
| -20° | 111.1 | 73.4 | 52.8 | 36.1 | 21.5 | 10.4 | 4.4 |



REPORT NUMBER: P731481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| -22.5° | 110.2 | 74.2 | 53.5 | 36.7 | 22.0 | 10.7 | 4.4 |
| -25° | 108.7 | 74.9 | 54.2 | 37.2 | 22.4 | 10.9 | 4.4 |
| -27.5° | 106.5 | 75.3 | 54.6 | 37.7 | 22.8 | 11.1 | 4.4 |
| -30° | 103.7 | 75.6 | 54.9 | 38.0 | 23.1 | 11.3 | 4.4 |
| -32.5° | 100.2 | 75.6 | 55.3 | 38.2 | 23.3 | 11.5 | 4.4 |
| -35° | 98.8 | 75.3 | 55.6 | 38.4 | 23.5 | 11.6 | 4.4 |
| -37.5° | 98.3 | 75.1 | 55.7 | 38.5 | 23.6 | 11.7 | 4.4 |
| -40° | 97.4 | 75.0 | 55.7 | 38.4 | 23.7 | 11.8 | 4.4 |
| -42.5° | 96.2 | 74.8 | 55.7 | 38.4 | 23.7 | 11.9 | 4.4 |
| -45° | 94.7 | 74.4 | 55.6 | 38.3 | 23.6 | 11.9 | 4.4 |
| -47.5° | 92.8 | 73.8 | 55.4 | 38.2 | 23.4 | 12.0 | 4.4 |
| -50° | 91.6 | 73.0 | 55.1 | 38.0 | 23.2 | 12.0 | 4.4 |
| -52.5° | 90.3 | 72.1 | 54.6 | 37.8 | 23.0 | 12.0 | 4.4 |
| -55° | 88.7 | 71.1 | 54.0 | 37.4 | 22.6 | 11.9 | 4.4 |
| -57.5° | 87.0 | 69.9 | 53.2 | 36.9 | 22.2 | 11.8 | 4.4 |
| -60° | 85.0 | 68.6 | 52.3 | 36.3 | 21.8 | 11.8 | 4.4 |
| -62.5° | 82.9 | 67.0 | 51.3 | 35.6 | 21.4 | 11.7 | 4.4 |
| -65° | 80.5 | 65.2 | 50.1 | 34.8 | 21.0 | 11.5 | 4.4 |
| -67.5° | 77.9 | 63.3 | 48.8 | 33.9 | 20.5 | 11.4 | 4.4 |
| -70° | 75.1 | 61.2 | 47.4 | 32.9 | 20.0 | 11.2 | 4.4 |
| -72.5° | 72.2 | 59.0 | 45.9 | 32.1 | 19.4 | 11.0 | 4.4 |
| -75° | 69.2 | 56.6 | 44.2 | 31.2 | 18.8 | 10.8 | 4.4 |
| -77.5° | 66.0 | 54.1 | 42.7 | 30.2 | 18.1 | 10.6 | 4.4 |
| -80° | 62.6 | 51.9 | 41.3 | 29.2 | 17.4 | 10.4 | 4.4 |
| -82.5° | 60.1 | 49.9 | 39.8 | 28.1 | 16.6 | 10.1 | 4.4 |
| -85° | 57.6 | 47.9 | 38.1 | 26.9 | 15.8 | 9.9 | 4.4 |
| -87.5° | 55.0 | 45.7 | 36.4 | 25.7 | 15.0 | 9.6 | 4.4 |
| -90° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |

(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

