

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: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-40-70-2S-S**

Issue Date: 8/10/2023

Test Information

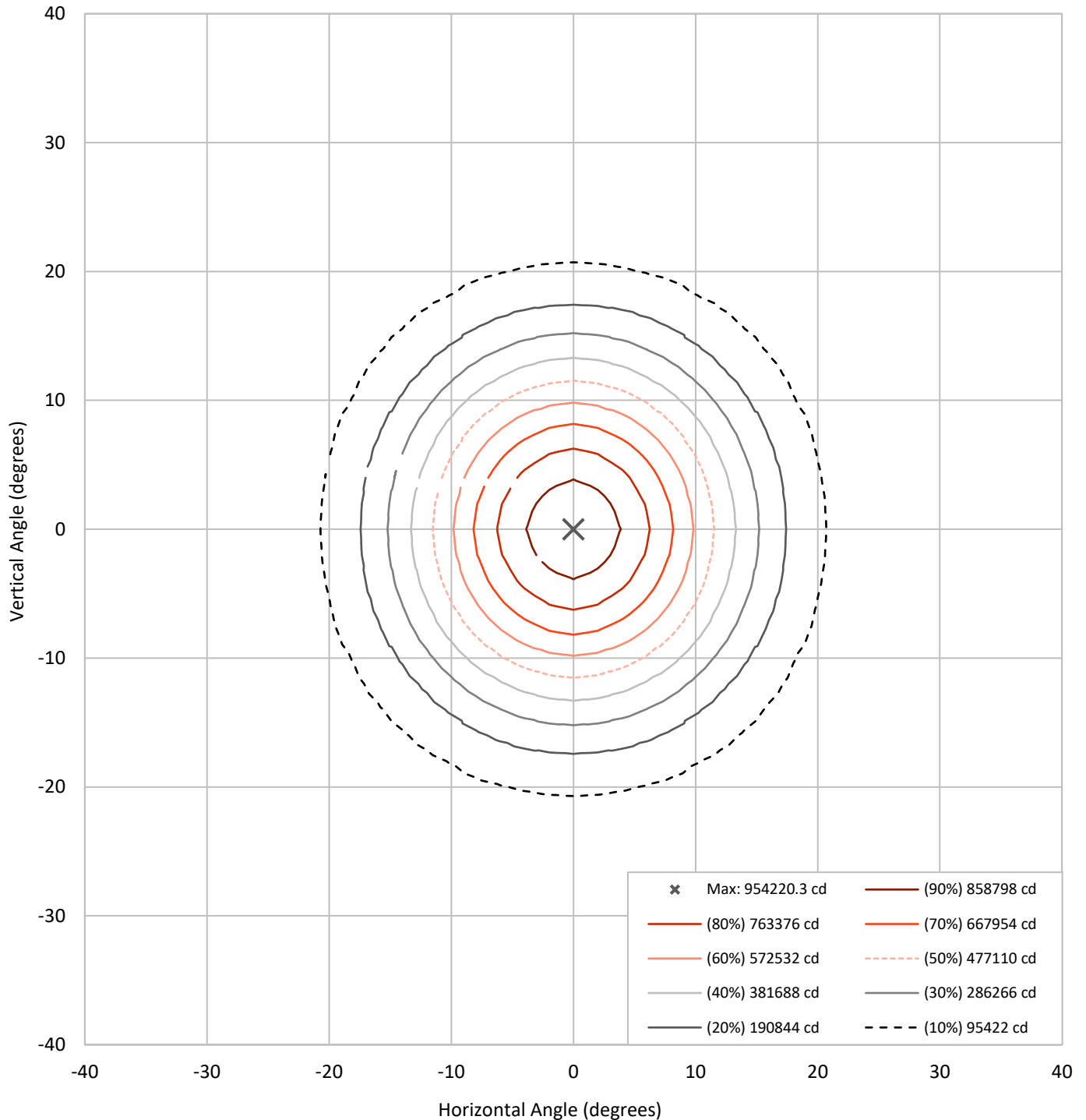
Test Method: LM-79-08
Report Number: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-10)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-40-70-2S-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

| | | | |
|-----------------------------------|-------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 191602.7 lumens | Max Intensity: | 954220.3 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 152.9 lumens/watt | | |
| Luminous Opening: | Circular (Dia: 1.67' x H: 0') | | |
| Beam Angle (50%): | 23.1°H x 23.1°V | Field Angle (10%): | 41.4°H x 41.4°V |
| Beam Lumens: | 86318.2 lumens | Field Lumens: | 152282.1 lumens |
| Beam Efficiency: | 45.1% | Field Efficiency: | 79.5% |
| Input Watts (W): | 1253.1 | | |
| 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: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

Iso-Candela Plot





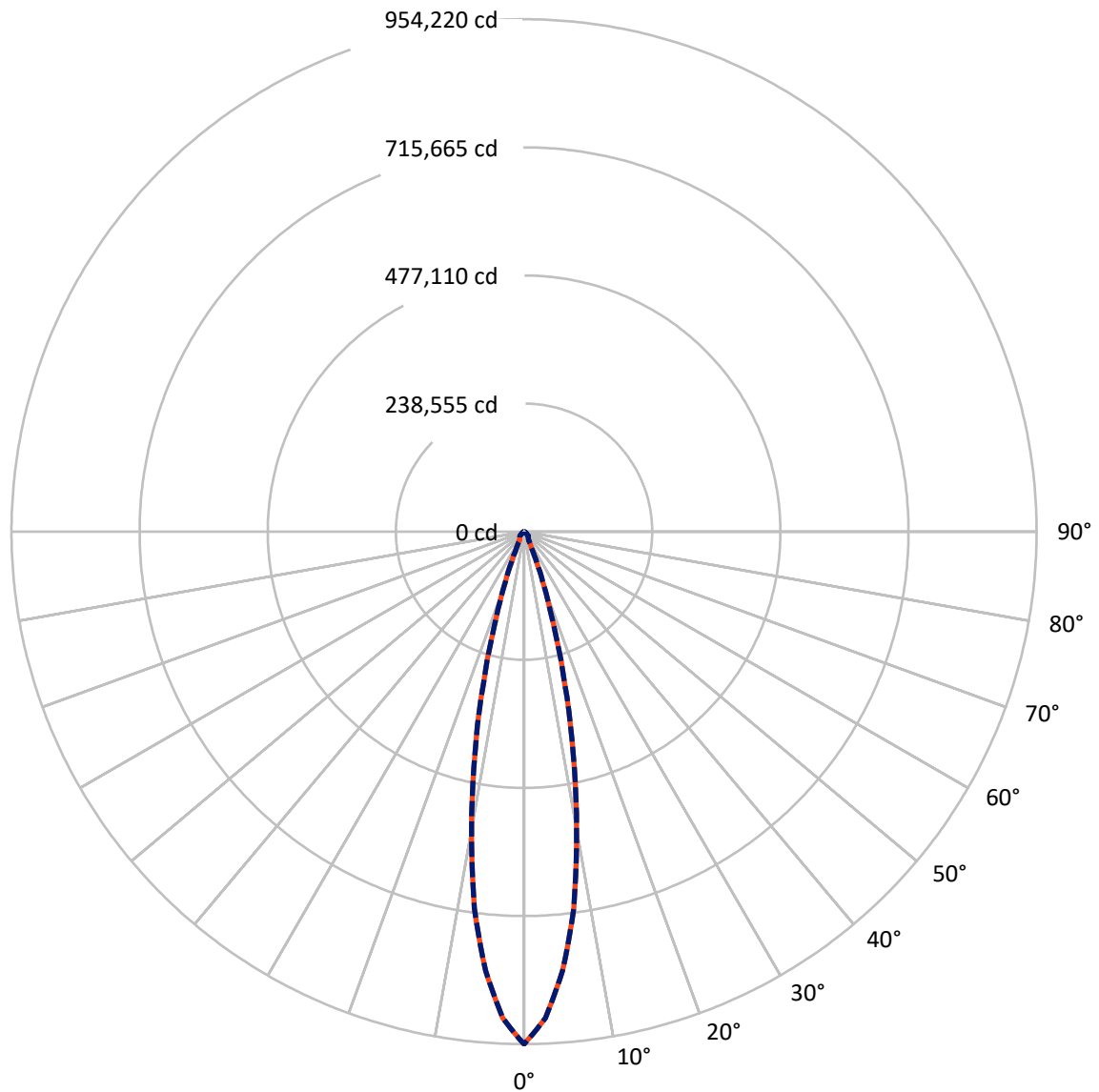
REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

Lumen Table

| | | | | | | | | | | | | | | | | | |
|-----|-----|------|------|-------|-------|--------|--------|---------|---------|--------|--------|-------|-------|------|------|-----|-----|
| 90 | 0.3 | | 2.3 | | 8.3 | | 20.1 | | 26.1 | | 20.1 | | 8.3 | | 2.3 | | 0.3 |
| 80 | 0.3 | | 2.3 | | 8.3 | | 20.1 | | 26.1 | | 20.1 | | 8.3 | | 2.3 | | 0.3 |
| 70 | 1.0 | 1.3 | 5.0 | 13.7 | 26.4 | 39.9 | 51.3 | 57.6 | 57.6 | 51.3 | 39.9 | 26.4 | 13.7 | 5.0 | 1.3 | 1.0 | |
| 60 | | 3.7 | 15.7 | 36.8 | 63.9 | 91.1 | 111.5 | 122.5 | 122.5 | 111.5 | 91.1 | 63.9 | 36.8 | 15.7 | 3.7 | | |
| 50 | 2.8 | 8.5 | 30.0 | 64.9 | 104.8 | 168.2 | 247.7 | 293.0 | 293.0 | 247.7 | 168.2 | 104.8 | 64.9 | 30.0 | 8.5 | 2.8 | |
| 40 | | 14.0 | 45.2 | 90.6 | 192.8 | 321.2 | 390.9 | 429.0 | 429.0 | 390.9 | 321.2 | 192.8 | 90.6 | 45.2 | 14.0 | | |
| 30 | 5.8 | 19.2 | 58.3 | 132.4 | 290.8 | 397.1 | 623.6 | 1175.2 | 1175.2 | 623.6 | 397.1 | 290.8 | 132.4 | 58.3 | 19.2 | 5.8 | |
| 20 | | 23.1 | 66.9 | 183.5 | 332.2 | 587.2 | 2935.0 | 7941.8 | 7941.8 | 2935.0 | 587.2 | 332.2 | 183.5 | 66.9 | 23.1 | | |
| 10 | 7.2 | 25.2 | 71.2 | 210.1 | 353.6 | 1081.4 | 7737.7 | 20556.8 | 20556.8 | 7737.7 | 1081.4 | 353.6 | 210.1 | 71.2 | 25.2 | 7.2 | |
| 0 | | 25.2 | 71.2 | 210.1 | 353.6 | 1081.4 | 7737.7 | 20556.8 | 20556.8 | 7737.7 | 1081.4 | 353.6 | 210.1 | 71.2 | 25.2 | | |
| -10 | 5.8 | 23.1 | 66.9 | 183.5 | 332.2 | 587.2 | 2935.0 | 7941.8 | 7941.8 | 2935.0 | 587.2 | 332.2 | 183.5 | 66.9 | 23.1 | 5.8 | |
| -20 | | 19.2 | 58.3 | 132.4 | 290.8 | 397.1 | 623.6 | 1175.2 | 1175.2 | 623.6 | 397.1 | 290.8 | 132.4 | 58.3 | 19.2 | | |
| -30 | 2.8 | 14.0 | 45.2 | 90.6 | 192.8 | 321.2 | 390.9 | 429.0 | 429.0 | 390.9 | 321.2 | 192.8 | 90.6 | 45.2 | 14.0 | 2.8 | |
| -40 | | 8.5 | 30.0 | 64.9 | 104.8 | 168.2 | 247.7 | 293.0 | 293.0 | 247.7 | 168.2 | 104.8 | 64.9 | 30.0 | 8.5 | | |
| -50 | 1.0 | 3.7 | 15.7 | 36.8 | 63.9 | 91.1 | 111.5 | 122.5 | 122.5 | 111.5 | 91.1 | 63.9 | 36.8 | 15.7 | 3.7 | 1.0 | |
| -60 | | 1.3 | 5.0 | 13.7 | 26.4 | 39.9 | 51.3 | 57.6 | 57.6 | 51.3 | 39.9 | 26.4 | 13.7 | 5.0 | 1.3 | | |
| -70 | 0.3 | | 2.3 | | 8.3 | | 20.1 | | 26.1 | | 20.1 | | 8.3 | | 2.3 | | 0.3 |
| -80 | 0.3 | | 2.3 | | 8.3 | | 20.1 | | 26.1 | | 20.1 | | 8.3 | | 2.3 | | 0.3 |
| -90 | 0.3 | | 2.3 | | 8.3 | | 20.1 | | 26.1 | | 20.1 | | 8.3 | | 2.3 | | 0.3 |

REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

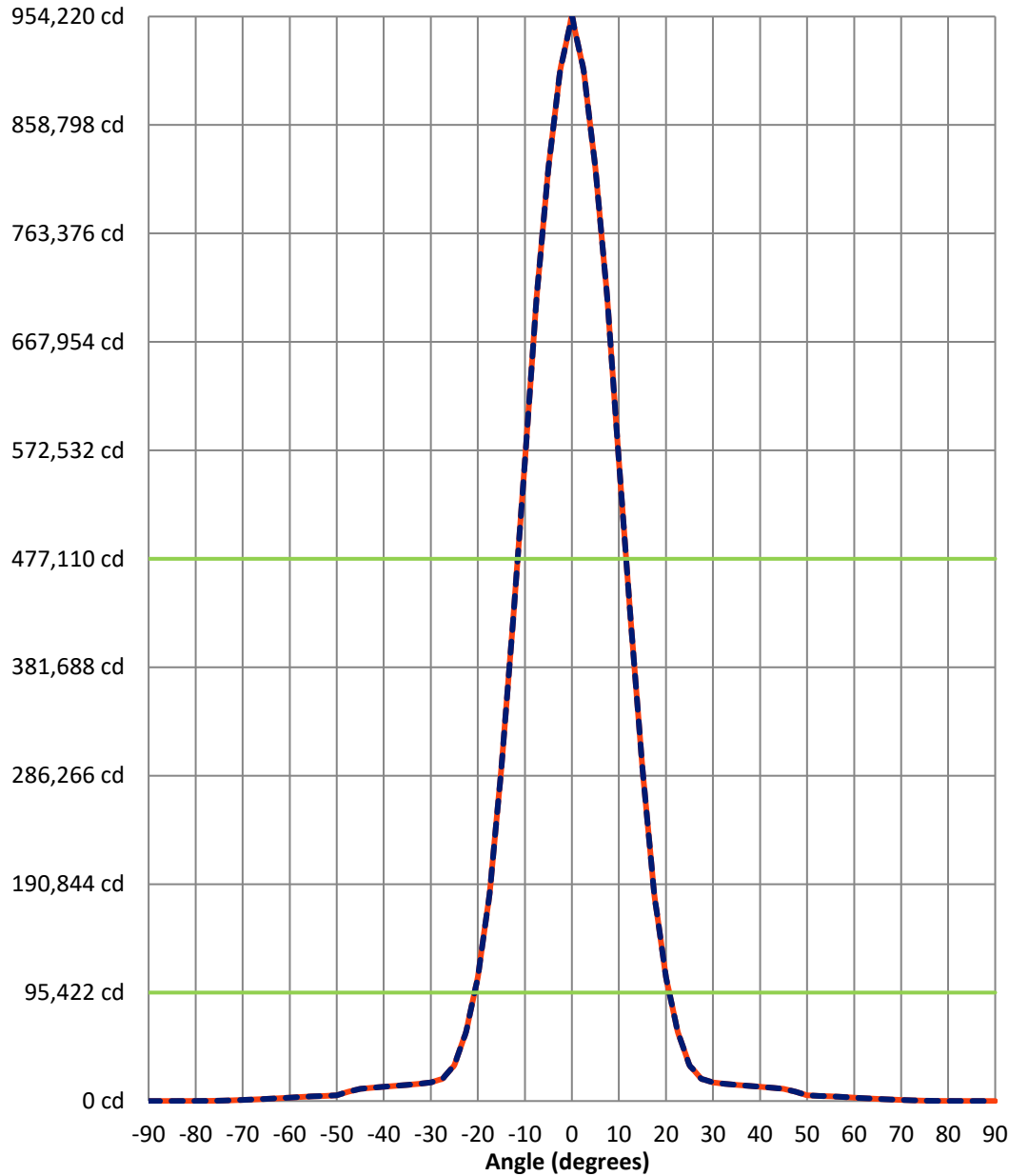
Luminous Intensity Polar Plot



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

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CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

Luminous Intensity Plot



Beam:
H Angle: 23.1°
V Angle: 23.1°
Lumens: 86318.2
Efficiency: 45.1%

Field:
H Angle: 41.4°
V Angle: 41.4°
Lumens: 152282.1
Efficiency: 79.5%

Spill:
Lumens: 39320.7
Efficiency: 20.5%

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



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.8 | 1.7 | 2.5 | 3.4 | 4.2 | 5.0 | 5.8 | 6.6 | 7.4 | 8.2 |
| 85° | 0.0 | 1.7 | 3.4 | 5.1 | 6.7 | 8.4 | 10.0 | 11.7 | 13.3 | 14.8 | 16.4 |
| 82.5° | 0.0 | 2.5 | 5.1 | 7.6 | 10.1 | 12.6 | 15.0 | 17.5 | 19.7 | 21.5 | 23.2 |
| 80° | 0.0 | 3.4 | 6.7 | 10.1 | 13.4 | 16.7 | 19.8 | 22.2 | 24.6 | 26.9 | 29.2 |
| 77.5° | 0.0 | 4.2 | 8.4 | 12.6 | 16.7 | 20.5 | 23.5 | 26.5 | 29.5 | 32.4 | 35.6 |
| 75° | 0.0 | 5.0 | 10.0 | 15.0 | 19.8 | 23.5 | 27.1 | 30.7 | 34.4 | 38.8 | 43.2 |
| 72.5° | 0.0 | 5.8 | 11.7 | 17.5 | 22.2 | 26.5 | 30.7 | 35.2 | 40.4 | 45.6 | 50.7 |
| 70° | 0.0 | 6.6 | 13.3 | 19.7 | 24.6 | 29.5 | 34.4 | 40.4 | 46.4 | 52.4 | 59.8 |
| 67.5° | 0.0 | 7.4 | 14.8 | 21.5 | 26.9 | 32.4 | 38.8 | 45.6 | 52.4 | 60.9 | 69.2 |
| 65° | 0.0 | 8.2 | 16.4 | 23.2 | 29.2 | 35.6 | 43.2 | 50.7 | 59.8 | 69.2 | 83.1 |
| 62.5° | 0.0 | 9.0 | 17.9 | 24.9 | 31.5 | 39.2 | 47.5 | 56.7 | 67.1 | 80.3 | 108.0 |
| 60° | 0.0 | 9.7 | 19.4 | 26.6 | 33.7 | 42.7 | 51.7 | 63.0 | 74.3 | 102.3 | 132.4 |
| 57.5° | 0.0 | 10.4 | 20.5 | 28.2 | 36.4 | 46.2 | 56.8 | 69.1 | 90.9 | 123.8 | 184.9 |
| 55° | 0.0 | 11.1 | 21.5 | 29.7 | 39.1 | 49.5 | 62.0 | 75.1 | 109.6 | 153.1 | 249.6 |
| 52.5° | 0.0 | 11.8 | 22.5 | 31.3 | 41.7 | 52.9 | 66.9 | 89.8 | 127.7 | 209.8 | 312.6 |
| 50° | 0.0 | 12.5 | 23.5 | 32.7 | 44.2 | 56.9 | 71.7 | 105.2 | 154.5 | 264.8 | 409.7 |
| 47.5° | 0.0 | 13.1 | 24.4 | 34.2 | 46.6 | 60.7 | 77.5 | 120.1 | 201.8 | 318.0 | 507.9 |
| 45° | 0.0 | 13.7 | 25.4 | 36.0 | 48.9 | 64.5 | 89.8 | 134.4 | 247.3 | 402.3 | 602.6 |
| 42.5° | 0.0 | 14.3 | 26.2 | 37.6 | 51.1 | 68.0 | 101.5 | 162.3 | 291.0 | 484.0 | 712.4 |
| 40° | 0.0 | 14.9 | 27.1 | 39.2 | 53.6 | 71.4 | 112.7 | 198.8 | 341.6 | 562.1 | 820.6 |
| 37.5° | 0.0 | 15.4 | 27.8 | 40.7 | 56.1 | 74.6 | 123.4 | 233.4 | 407.5 | 641.6 | 923.8 |
| 35° | 0.0 | 15.9 | 28.6 | 42.2 | 58.6 | 81.2 | 133.5 | 266.2 | 469.9 | 729.2 | 1027.4 |
| 32.5° | 0.0 | 16.4 | 29.3 | 43.5 | 60.9 | 89.1 | 148.0 | 297.1 | 528.7 | 811.8 | 1133.9 |
| 30° | 0.0 | 16.8 | 29.9 | 44.8 | 63.0 | 96.4 | 172.6 | 330.5 | 583.8 | 889.1 | 1233.7 |
| 27.5° | 0.0 | 17.2 | 30.5 | 45.9 | 65.0 | 103.3 | 195.5 | 374.9 | 639.5 | 961.1 | 1326.6 |
| 25° | 0.0 | 17.6 | 31.1 | 47.0 | 66.8 | 109.6 | 216.5 | 415.9 | 698.1 | 1034.0 | 1412.9 |
| 22.5° | 0.0 | 17.9 | 31.6 | 48.0 | 68.5 | 115.3 | 235.7 | 453.3 | 751.5 | 1103.9 | 1502.8 |
| 20° | 0.0 | 18.2 | 32.1 | 48.9 | 70.0 | 120.5 | 253.0 | 487.0 | 799.6 | 1166.9 | 1583.9 |
| 17.5° | 0.0 | 18.5 | 32.5 | 49.6 | 71.3 | 125.0 | 268.4 | 516.9 | 842.4 | 1223.0 | 1656.1 |
| 15° | 0.0 | 18.7 | 32.8 | 50.3 | 72.5 | 129.0 | 281.8 | 543.0 | 879.7 | 1271.8 | 1719.1 |
| 12.5° | 0.0 | 18.9 | 33.1 | 50.9 | 73.4 | 132.4 | 293.2 | 565.1 | 911.5 | 1313.4 | 1772.7 |
| 10° | 0.0 | 19.1 | 33.4 | 51.4 | 74.3 | 135.2 | 302.5 | 583.4 | 937.6 | 1347.6 | 1816.9 |
| 7.5° | 0.0 | 19.2 | 33.6 | 51.7 | 74.9 | 137.4 | 309.8 | 597.6 | 957.9 | 1374.3 | 1851.3 |
| 5° | 0.0 | 19.3 | 33.7 | 52.0 | 75.3 | 139.0 | 315.0 | 607.7 | 972.5 | 1393.5 | 1876.0 |
| 2.5° | 0.0 | 19.4 | 33.8 | 52.1 | 75.6 | 139.9 | 318.2 | 613.9 | 981.3 | 1405.0 | 1890.8 |
| 0° | 0.0 | 19.4 | 33.8 | 52.2 | 75.7 | 140.2 | 319.2 | 615.9 | 984.2 | 1408.8 | 1895.8 |
| -2.5° | 0.0 | 19.4 | 33.8 | 52.1 | 75.6 | 139.9 | 318.2 | 613.9 | 981.3 | 1405.0 | 1890.8 |
| -5° | 0.0 | 19.3 | 33.7 | 52.0 | 75.3 | 139.0 | 315.0 | 607.7 | 972.5 | 1393.5 | 1876.0 |
| -7.5° | 0.0 | 19.2 | 33.6 | 51.7 | 74.9 | 137.4 | 309.8 | 597.6 | 957.9 | 1374.3 | 1851.3 |
| -10° | 0.0 | 19.1 | 33.4 | 51.4 | 74.3 | 135.2 | 302.5 | 583.4 | 937.6 | 1347.6 | 1816.9 |
| -12.5° | 0.0 | 18.9 | 33.1 | 50.9 | 73.4 | 132.4 | 293.2 | 565.1 | 911.5 | 1313.4 | 1772.7 |
| -15° | 0.0 | 18.7 | 32.8 | 50.3 | 72.5 | 129.0 | 281.8 | 543.0 | 879.7 | 1271.8 | 1719.1 |
| -17.5° | 0.0 | 18.5 | 32.5 | 49.6 | 71.3 | 125.0 | 268.4 | 516.9 | 842.4 | 1223.0 | 1656.1 |
| -20° | 0.0 | 18.2 | 32.1 | 48.9 | 70.0 | 120.5 | 253.0 | 487.0 | 799.6 | 1166.9 | 1583.9 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|--------|
| -22.5° | 0.0 | 17.9 | 31.6 | 48.0 | 68.5 | 115.3 | 235.7 | 453.3 | 751.5 | 1103.9 | 1502.8 |
| -25° | 0.0 | 17.6 | 31.1 | 47.0 | 66.8 | 109.6 | 216.5 | 415.9 | 698.1 | 1034.0 | 1412.9 |
| -27.5° | 0.0 | 17.2 | 30.5 | 45.9 | 65.0 | 103.3 | 195.5 | 374.9 | 639.5 | 961.1 | 1326.6 |
| -30° | 0.0 | 16.8 | 29.9 | 44.8 | 63.0 | 96.4 | 172.6 | 330.5 | 583.8 | 889.1 | 1233.7 |
| -32.5° | 0.0 | 16.4 | 29.3 | 43.5 | 60.9 | 89.1 | 148.0 | 297.1 | 528.7 | 811.8 | 1133.9 |
| -35° | 0.0 | 15.9 | 28.6 | 42.2 | 58.6 | 81.2 | 133.5 | 266.2 | 469.9 | 729.2 | 1027.4 |
| -37.5° | 0.0 | 15.4 | 27.8 | 40.7 | 56.1 | 74.6 | 123.4 | 233.4 | 407.5 | 641.6 | 923.8 |
| -40° | 0.0 | 14.9 | 27.1 | 39.2 | 53.6 | 71.4 | 112.7 | 198.8 | 341.6 | 562.1 | 820.6 |
| -42.5° | 0.0 | 14.3 | 26.2 | 37.6 | 51.1 | 68.0 | 101.5 | 162.3 | 291.0 | 484.0 | 712.4 |
| -45° | 0.0 | 13.7 | 25.4 | 36.0 | 48.9 | 64.5 | 89.8 | 134.4 | 247.3 | 402.3 | 602.6 |
| -47.5° | 0.0 | 13.1 | 24.4 | 34.2 | 46.6 | 60.7 | 77.5 | 120.1 | 201.8 | 318.0 | 507.9 |
| -50° | 0.0 | 12.5 | 23.5 | 32.7 | 44.2 | 56.9 | 71.7 | 105.2 | 154.5 | 264.8 | 409.7 |
| -52.5° | 0.0 | 11.8 | 22.5 | 31.3 | 41.7 | 52.9 | 66.9 | 89.8 | 127.7 | 209.8 | 312.6 |
| -55° | 0.0 | 11.1 | 21.5 | 29.7 | 39.1 | 49.5 | 62.0 | 75.1 | 109.6 | 153.1 | 249.6 |
| -57.5° | 0.0 | 10.4 | 20.5 | 28.2 | 36.4 | 46.2 | 56.8 | 69.1 | 90.9 | 123.8 | 184.9 |
| -60° | 0.0 | 9.7 | 19.4 | 26.6 | 33.7 | 42.7 | 51.7 | 63.0 | 74.3 | 102.3 | 132.4 |
| -62.5° | 0.0 | 9.0 | 17.9 | 24.9 | 31.5 | 39.2 | 47.5 | 56.7 | 67.1 | 80.3 | 108.0 |
| -65° | 0.0 | 8.2 | 16.4 | 23.2 | 29.2 | 35.6 | 43.2 | 50.7 | 59.8 | 69.2 | 83.1 |
| -67.5° | 0.0 | 7.4 | 14.8 | 21.5 | 26.9 | 32.4 | 38.8 | 45.6 | 52.4 | 60.9 | 69.2 |
| -70° | 0.0 | 6.6 | 13.3 | 19.7 | 24.6 | 29.5 | 34.4 | 40.4 | 46.4 | 52.4 | 59.8 |
| -72.5° | 0.0 | 5.8 | 11.7 | 17.5 | 22.2 | 26.5 | 30.7 | 35.2 | 40.4 | 45.6 | 50.7 |
| -75° | 0.0 | 5.0 | 10.0 | 15.0 | 19.8 | 23.5 | 27.1 | 30.7 | 34.4 | 38.8 | 43.2 |
| -77.5° | 0.0 | 4.2 | 8.4 | 12.6 | 16.7 | 20.5 | 23.5 | 26.5 | 29.5 | 32.4 | 35.6 |
| -80° | 0.0 | 3.4 | 6.7 | 10.1 | 13.4 | 16.7 | 19.8 | 22.2 | 24.6 | 26.9 | 29.2 |
| -82.5° | 0.0 | 2.5 | 5.1 | 7.6 | 10.1 | 12.6 | 15.0 | 17.5 | 19.7 | 21.5 | 23.2 |
| -85° | 0.0 | 1.7 | 3.4 | 5.1 | 6.7 | 8.4 | 10.0 | 11.7 | 13.3 | 14.8 | 16.4 |
| -87.5° | 0.0 | 0.8 | 1.7 | 2.5 | 3.4 | 4.2 | 5.0 | 5.8 | 6.6 | 7.4 | 8.2 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 9.0 | 9.7 | 10.4 | 11.1 | 11.8 | 12.5 | 13.1 | 13.7 | 14.3 | 14.9 | 15.4 |
| 85° | 17.9 | 19.4 | 20.5 | 21.5 | 22.5 | 23.5 | 24.4 | 25.4 | 26.2 | 27.1 | 27.8 |
| 82.5° | 24.9 | 26.6 | 28.2 | 29.7 | 31.3 | 32.7 | 34.2 | 36.0 | 37.6 | 39.2 | 40.7 |
| 80° | 31.5 | 33.7 | 36.4 | 39.1 | 41.7 | 44.2 | 46.6 | 48.9 | 51.1 | 53.6 | 56.1 |
| 77.5° | 39.2 | 42.7 | 46.2 | 49.5 | 52.9 | 56.9 | 60.7 | 64.5 | 68.0 | 71.4 | 74.6 |
| 75° | 47.5 | 51.7 | 56.8 | 62.0 | 66.9 | 71.7 | 77.5 | 89.8 | 101.5 | 112.7 | 123.4 |
| 72.5° | 56.7 | 63.0 | 69.1 | 75.1 | 89.8 | 105.2 | 120.1 | 134.4 | 162.3 | 198.8 | 233.4 |
| 70° | 67.1 | 74.3 | 90.9 | 109.6 | 127.7 | 154.5 | 201.8 | 247.3 | 291.0 | 341.6 | 407.5 |
| 67.5° | 80.3 | 102.3 | 123.8 | 153.1 | 209.8 | 264.8 | 318.0 | 402.3 | 484.0 | 562.1 | 641.6 |
| 65° | 108.0 | 132.4 | 184.9 | 249.6 | 312.6 | 409.7 | 507.9 | 602.6 | 712.4 | 820.6 | 923.8 |
| 62.5° | 135.3 | 201.0 | 273.7 | 361.7 | 476.5 | 588.1 | 715.6 | 845.2 | 970.0 | 1105.6 | 1237.2 |
| 60° | 201.0 | 281.8 | 388.5 | 516.9 | 648.4 | 799.6 | 946.3 | 1103.9 | 1261.3 | 1412.9 | 1578.4 |
| 57.5° | 273.7 | 388.5 | 530.4 | 682.2 | 850.4 | 1018.9 | 1202.3 | 1379.8 | 1571.9 | 1760.4 | 1944.1 |
| 55° | 361.7 | 516.9 | 682.2 | 867.4 | 1058.4 | 1261.8 | 1467.1 | 1686.9 | 1899.3 | 2118.5 | 2328.4 |
| 52.5° | 476.5 | 648.4 | 850.4 | 1058.4 | 1281.8 | 1513.2 | 1756.5 | 1999.7 | 2244.8 | 2487.6 | 2738.7 |
| 50° | 588.1 | 799.6 | 1018.9 | 1261.8 | 1513.2 | 1779.8 | 2050.2 | 2321.2 | 2601.7 | 2882.5 | 3165.2 |
| 47.5° | 715.6 | 946.3 | 1202.3 | 1467.1 | 1756.5 | 2050.2 | 2346.8 | 2659.1 | 2969.6 | 3292.5 | 3605.5 |
| 45° | 845.2 | 1103.9 | 1379.8 | 1686.9 | 1999.7 | 2321.2 | 2659.1 | 2998.8 | 3356.6 | 3692.9 | 3982.2 |
| 42.5° | 970.0 | 1261.3 | 1571.9 | 1899.3 | 2244.8 | 2601.7 | 2969.6 | 3356.6 | 3721.3 | 4039.7 | 4275.8 |
| 40° | 1105.6 | 1412.9 | 1760.4 | 2118.5 | 2487.6 | 2882.5 | 3292.5 | 3692.9 | 4039.7 | 4293.1 | 4485.2 |
| 37.5° | 1237.2 | 1578.4 | 1944.1 | 2328.4 | 2738.7 | 3165.2 | 3605.5 | 3982.2 | 4275.8 | 4485.2 | 4844.2 |
| 35° | 1362.1 | 1735.7 | 2128.4 | 2540.4 | 2978.4 | 3444.8 | 3868.2 | 4224.2 | 4450.0 | 4811.7 | 5753.7 |
| 32.5° | 1490.5 | 1884.4 | 2302.9 | 2750.7 | 3223.3 | 3699.6 | 4115.6 | 4380.2 | 4714.7 | 5388.9 | 7623.6 |
| 30° | 1617.4 | 2033.6 | 2472.2 | 2948.7 | 3456.0 | 3917.2 | 4277.2 | 4555.2 | 5000.5 | 7065.6 | 9153.6 |
| 27.5° | 1735.7 | 2173.5 | 2642.1 | 3145.2 | 3667.7 | 4121.2 | 4406.8 | 4806.6 | 6148.5 | 8564.7 | 10468.9 |
| 25° | 1845.0 | 2302.9 | 2799.5 | 3331.3 | 3842.9 | 4254.4 | 4553.9 | 5041.2 | 7534.4 | 9719.4 | 11114.1 |
| 22.5° | 1948.5 | 2421.6 | 2943.6 | 3502.1 | 4003.9 | 4357.2 | 4754.7 | 6081.7 | 8693.7 | 10760.2 | 11559.6 |
| 20° | 2045.4 | 2540.4 | 3080.5 | 3653.0 | 4150.0 | 4450.7 | 4937.5 | 7168.1 | 9604.5 | 11140.2 | 11945.6 |
| 17.5° | 2131.7 | 2646.2 | 3206.7 | 3772.7 | 4236.5 | 4566.4 | 5221.2 | 8143.8 | 10424.2 | 11483.1 | 12283.8 |
| 15° | 2207.1 | 2738.7 | 3317.1 | 3877.5 | 4303.9 | 4699.0 | 6013.1 | 8837.9 | 10898.1 | 11778.7 | 12583.2 |
| 12.5° | 2271.3 | 2817.6 | 3411.3 | 3967.1 | 4361.6 | 4812.4 | 6691.6 | 9410.5 | 11138.8 | 12017.3 | 12825.6 |
| 10° | 2324.1 | 2882.5 | 3488.9 | 4040.8 | 4409.1 | 4906.1 | 7252.6 | 9884.7 | 11338.3 | 12215.6 | 13027.5 |
| 7.5° | 2365.4 | 2933.2 | 3549.5 | 4098.6 | 4446.4 | 4979.5 | 7692.8 | 10257.1 | 11495.3 | 12371.7 | 13186.8 |
| 5° | 2395.0 | 2969.6 | 3593.1 | 4140.0 | 4473.1 | 5032.3 | 8009.3 | 10525.1 | 11608.4 | 12484.3 | 13301.8 |
| 2.5° | 2412.8 | 2991.5 | 3619.3 | 4165.0 | 4489.2 | 5064.1 | 8200.0 | 10686.7 | 11676.6 | 12552.4 | 13371.4 |
| 0° | 2418.7 | 2998.8 | 3628.0 | 4173.3 | 4494.6 | 5074.7 | 8263.7 | 10740.7 | 11699.4 | 12575.1 | 13394.7 |
| -2.5° | 2412.8 | 2991.5 | 3619.3 | 4165.0 | 4489.2 | 5064.1 | 8200.0 | 10686.7 | 11676.6 | 12552.4 | 13371.4 |
| -5° | 2395.0 | 2969.6 | 3593.1 | 4140.0 | 4473.1 | 5032.3 | 8009.3 | 10525.1 | 11608.4 | 12484.3 | 13301.8 |
| -7.5° | 2365.4 | 2933.2 | 3549.5 | 4098.6 | 4446.4 | 4979.5 | 7692.8 | 10257.1 | 11495.3 | 12371.7 | 13186.8 |
| -10° | 2324.1 | 2882.5 | 3488.9 | 4040.8 | 4409.1 | 4906.1 | 7252.6 | 9884.7 | 11338.3 | 12215.6 | 13027.5 |
| -12.5° | 2271.3 | 2817.6 | 3411.3 | 3967.1 | 4361.6 | 4812.4 | 6691.6 | 9410.5 | 11138.8 | 12017.3 | 12825.6 |
| -15° | 2207.1 | 2738.7 | 3317.1 | 3877.5 | 4303.9 | 4699.0 | 6013.1 | 8837.9 | 10898.1 | 11778.7 | 12583.2 |
| -17.5° | 2131.7 | 2646.2 | 3206.7 | 3772.7 | 4236.5 | 4566.4 | 5221.2 | 8143.8 | 10424.2 | 11483.1 | 12283.8 |
| -20° | 2045.4 | 2540.4 | 3080.5 | 3653.0 | 4150.0 | 4450.7 | 4937.5 | 7168.1 | 9604.5 | 11140.2 | 11945.6 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| -22.5° | 1948.5 | 2421.6 | 2943.6 | 3502.1 | 4003.9 | 4357.2 | 4754.7 | 6081.7 | 8693.7 | 10760.2 | 11559.6 |
| -25° | 1845.0 | 2302.9 | 2799.5 | 3331.3 | 3842.9 | 4254.4 | 4553.9 | 5041.2 | 7534.4 | 9719.4 | 11114.1 |
| -27.5° | 1735.7 | 2173.5 | 2642.1 | 3145.2 | 3667.7 | 4121.2 | 4406.8 | 4806.6 | 6148.5 | 8564.7 | 10468.9 |
| -30° | 1617.4 | 2033.6 | 2472.2 | 2948.7 | 3456.0 | 3917.2 | 4277.2 | 4555.2 | 5000.5 | 7065.6 | 9153.6 |
| -32.5° | 1490.5 | 1884.4 | 2302.9 | 2750.7 | 3223.3 | 3699.6 | 4115.6 | 4380.2 | 4714.7 | 5388.9 | 7623.6 |
| -35° | 1362.1 | 1735.7 | 2128.4 | 2540.4 | 2978.4 | 3444.8 | 3868.2 | 4224.2 | 4450.0 | 4811.7 | 5753.7 |
| -37.5° | 1237.2 | 1578.4 | 1944.1 | 2328.4 | 2738.7 | 3165.2 | 3605.5 | 3982.2 | 4275.8 | 4485.2 | 4844.2 |
| -40° | 1105.6 | 1412.9 | 1760.4 | 2118.5 | 2487.6 | 2882.5 | 3292.5 | 3692.9 | 4039.7 | 4293.1 | 4485.2 |
| -42.5° | 970.0 | 1261.3 | 1571.9 | 1899.3 | 2244.8 | 2601.7 | 2969.6 | 3356.6 | 3721.3 | 4039.7 | 4275.8 |
| -45° | 845.2 | 1103.9 | 1379.8 | 1686.9 | 1999.7 | 2321.2 | 2659.1 | 2998.8 | 3356.6 | 3692.9 | 3982.2 |
| -47.5° | 715.6 | 946.3 | 1202.3 | 1467.1 | 1756.5 | 2050.2 | 2346.8 | 2659.1 | 2969.6 | 3292.5 | 3605.5 |
| -50° | 588.1 | 799.6 | 1018.9 | 1261.8 | 1513.2 | 1779.8 | 2050.2 | 2321.2 | 2601.7 | 2882.5 | 3165.2 |
| -52.5° | 476.5 | 648.4 | 850.4 | 1058.4 | 1281.8 | 1513.2 | 1756.5 | 1999.7 | 2244.8 | 2487.6 | 2738.7 |
| -55° | 361.7 | 516.9 | 682.2 | 867.4 | 1058.4 | 1261.8 | 1467.1 | 1686.9 | 1899.3 | 2118.5 | 2328.4 |
| -57.5° | 273.7 | 388.5 | 530.4 | 682.2 | 850.4 | 1018.9 | 1202.3 | 1379.8 | 1571.9 | 1760.4 | 1944.1 |
| -60° | 201.0 | 281.8 | 388.5 | 516.9 | 648.4 | 799.6 | 946.3 | 1103.9 | 1261.3 | 1412.9 | 1578.4 |
| -62.5° | 135.3 | 201.0 | 273.7 | 361.7 | 476.5 | 588.1 | 715.6 | 845.2 | 970.0 | 1105.6 | 1237.2 |
| -65° | 108.0 | 132.4 | 184.9 | 249.6 | 312.6 | 409.7 | 507.9 | 602.6 | 712.4 | 820.6 | 923.8 |
| -67.5° | 80.3 | 102.3 | 123.8 | 153.1 | 209.8 | 264.8 | 318.0 | 402.3 | 484.0 | 562.1 | 641.6 |
| -70° | 67.1 | 74.3 | 90.9 | 109.6 | 127.7 | 154.5 | 201.8 | 247.3 | 291.0 | 341.6 | 407.5 |
| -72.5° | 56.7 | 63.0 | 69.1 | 75.1 | 89.8 | 105.2 | 120.1 | 134.4 | 162.3 | 198.8 | 233.4 |
| -75° | 47.5 | 51.7 | 56.8 | 62.0 | 66.9 | 71.7 | 77.5 | 89.8 | 101.5 | 112.7 | 123.4 |
| -77.5° | 39.2 | 42.7 | 46.2 | 49.5 | 52.9 | 56.9 | 60.7 | 64.5 | 68.0 | 71.4 | 74.6 |
| -80° | 31.5 | 33.7 | 36.4 | 39.1 | 41.7 | 44.2 | 46.6 | 48.9 | 51.1 | 53.6 | 56.1 |
| -82.5° | 24.9 | 26.6 | 28.2 | 29.7 | 31.3 | 32.7 | 34.2 | 36.0 | 37.6 | 39.2 | 40.7 |
| -85° | 17.9 | 19.4 | 20.5 | 21.5 | 22.5 | 23.5 | 24.4 | 25.4 | 26.2 | 27.1 | 27.8 |
| -87.5° | 9.0 | 9.7 | 10.4 | 11.1 | 11.8 | 12.5 | 13.1 | 13.7 | 14.3 | 14.9 | 15.4 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.7 | 18.9 | 19.1 |
| 85° | 28.6 | 29.3 | 29.9 | 30.5 | 31.1 | 31.6 | 32.1 | 32.5 | 32.8 | 33.1 | 33.4 |
| 82.5° | 42.2 | 43.5 | 44.8 | 45.9 | 47.0 | 48.0 | 48.9 | 49.6 | 50.3 | 50.9 | 51.4 |
| 80° | 58.6 | 60.9 | 63.0 | 65.0 | 66.8 | 68.5 | 70.0 | 71.3 | 72.5 | 73.4 | 74.3 |
| 77.5° | 81.2 | 89.1 | 96.4 | 103.3 | 109.6 | 115.3 | 120.5 | 125.0 | 129.0 | 132.4 | 135.2 |
| 75° | 133.5 | 148.0 | 172.6 | 195.5 | 216.5 | 235.7 | 253.0 | 268.4 | 281.8 | 293.2 | 302.5 |
| 72.5° | 266.2 | 297.1 | 330.5 | 374.9 | 415.9 | 453.3 | 487.0 | 516.9 | 543.0 | 565.1 | 583.4 |
| 70° | 469.9 | 528.7 | 583.8 | 639.5 | 698.1 | 751.5 | 799.6 | 842.4 | 879.7 | 911.5 | 937.6 |
| 67.5° | 729.2 | 811.8 | 889.1 | 961.1 | 1034.0 | 1103.9 | 1166.9 | 1223.0 | 1271.8 | 1313.4 | 1347.6 |
| 65° | 1027.4 | 1133.9 | 1233.7 | 1326.6 | 1412.9 | 1502.8 | 1583.9 | 1656.1 | 1719.1 | 1772.7 | 1816.9 |
| 62.5° | 1362.1 | 1490.5 | 1617.4 | 1735.7 | 1845.0 | 1948.5 | 2045.4 | 2131.7 | 2207.1 | 2271.3 | 2324.1 |
| 60° | 1735.7 | 1884.4 | 2033.6 | 2173.5 | 2302.9 | 2421.6 | 2540.4 | 2646.2 | 2738.7 | 2817.6 | 2882.5 |
| 57.5° | 2128.4 | 2302.9 | 2472.2 | 2642.1 | 2799.5 | 2943.6 | 3080.5 | 3206.7 | 3317.1 | 3411.3 | 3488.9 |
| 55° | 2540.4 | 2750.7 | 2948.7 | 3145.2 | 3331.3 | 3502.1 | 3653.0 | 3772.7 | 3877.5 | 3967.1 | 4040.8 |
| 52.5° | 2978.4 | 3223.3 | 3456.0 | 3667.7 | 3842.9 | 4003.9 | 4150.0 | 4236.5 | 4303.9 | 4361.6 | 4409.1 |
| 50° | 3444.8 | 3699.6 | 3917.2 | 4121.2 | 4254.4 | 4357.2 | 4450.7 | 4566.4 | 4699.0 | 4812.4 | 4906.1 |
| 47.5° | 3868.2 | 4115.6 | 4277.2 | 4406.8 | 4553.9 | 4754.7 | 4937.5 | 5221.2 | 6013.1 | 6691.6 | 7252.6 |
| 45° | 4224.2 | 4380.2 | 4555.2 | 4806.6 | 5041.2 | 6081.7 | 7168.1 | 8143.8 | 8837.9 | 9410.5 | 9884.7 |
| 42.5° | 4450.0 | 4714.7 | 5000.5 | 6148.5 | 7534.4 | 8693.7 | 9604.5 | 10424.2 | 10898.1 | 11138.8 | 11338.3 |
| 40° | 4811.7 | 5388.9 | 7065.6 | 8564.7 | 9719.4 | 10760.2 | 11140.2 | 11483.1 | 11778.7 | 12017.3 | 12215.6 |
| 37.5° | 5753.7 | 7623.6 | 9153.6 | 10468.9 | 11114.1 | 11559.6 | 11945.6 | 12283.8 | 12583.2 | 12825.6 | 13027.5 |
| 35° | 7811.0 | 9451.4 | 10812.3 | 11355.0 | 11852.3 | 12288.8 | 12683.8 | 13025.6 | 13329.6 | 13592.2 | 13811.2 |
| 32.5° | 9451.4 | 10871.7 | 11476.9 | 12023.7 | 12523.0 | 12964.1 | 13369.3 | 13737.0 | 14065.2 | 14374.2 | 14653.8 |
| 30° | 10812.3 | 11476.9 | 12081.3 | 12637.5 | 13135.7 | 13603.7 | 14037.6 | 14472.6 | 14889.2 | 15275.7 | 15662.5 |
| 27.5° | 11355.0 | 12023.7 | 12637.5 | 13193.5 | 13722.8 | 14224.1 | 14769.9 | 15299.6 | 15871.8 | 16373.8 | 17509.5 |
| 25° | 11852.3 | 12523.0 | 13135.7 | 13722.8 | 14296.9 | 14921.3 | 15598.0 | 16284.0 | 17799.9 | 19274.5 | 22928.8 |
| 22.5° | 12288.8 | 12964.1 | 13603.7 | 14224.1 | 14921.3 | 15698.9 | 16695.5 | 18686.7 | 22844.3 | 28761.6 | 37217.0 |
| 20° | 12683.8 | 13369.3 | 14037.6 | 14769.9 | 15598.0 | 16695.5 | 18987.4 | 25161.2 | 33710.5 | 49781.7 | 65397.1 |
| 17.5° | 13025.6 | 13737.0 | 14472.6 | 15299.6 | 16284.0 | 18686.7 | 25161.2 | 36782.3 | 56295.8 | 82293.1 | 107596.2 |
| 15° | 13329.6 | 14065.2 | 14889.2 | 15871.8 | 17799.9 | 22844.3 | 33710.5 | 56295.8 | 88088.5 | 125698.9 | 168756.2 |
| 12.5° | 13592.2 | 14374.2 | 15275.7 | 16373.8 | 19274.5 | 28761.6 | 49781.7 | 82293.1 | 125698.9 | 179213.9 | 250433.1 |
| 10° | 13811.2 | 14653.8 | 15662.5 | 17509.5 | 22928.8 | 37217.0 | 65397.1 | 107596.2 | 168756.2 | 250433.1 | 336071.2 |
| 7.5° | 13984.4 | 14875.6 | 15970.4 | 18420.3 | 26615.7 | 47347.6 | 83940.2 | 138597.3 | 216259.5 | 314709.9 | 424487.6 |
| 5° | 14109.8 | 15036.5 | 16194.4 | 19084.9 | 29318.0 | 54816.2 | 97716.7 | 162459.2 | 257704.6 | 370971.7 | 497910.7 |
| 2.5° | 14185.7 | 15134.0 | 16330.4 | 19489.6 | 30968.9 | 59398.1 | 106217.6 | 177304.3 | 283799.5 | 409524.3 | 545662.7 |
| 0° | 14211.1 | 15166.7 | 16376.0 | 19625.5 | 31524.3 | 60943.1 | 109093.0 | 182348.3 | 292726.4 | 423200.0 | 562431.5 |
| -2.5° | 14185.7 | 15134.0 | 16330.4 | 19489.6 | 30968.9 | 59398.1 | 106217.6 | 177304.3 | 283799.5 | 409524.3 | 545662.7 |
| -5° | 14109.8 | 15036.5 | 16194.4 | 19084.9 | 29318.0 | 54816.2 | 97716.7 | 162459.2 | 257704.6 | 370971.7 | 497910.7 |
| -7.5° | 13984.4 | 14875.6 | 15970.4 | 18420.3 | 26615.7 | 47347.6 | 83940.2 | 138597.3 | 216259.5 | 314709.9 | 424487.6 |
| -10° | 13811.2 | 14653.8 | 15662.5 | 17509.5 | 22928.8 | 37217.0 | 65397.1 | 107596.2 | 168756.2 | 250433.1 | 336071.2 |
| -12.5° | 13592.2 | 14374.2 | 15275.7 | 16373.8 | 19274.5 | 28761.6 | 49781.7 | 82293.1 | 125698.9 | 179213.9 | 250433.1 |
| -15° | 13329.6 | 14065.2 | 14889.2 | 15871.8 | 17799.9 | 22844.3 | 33710.5 | 56295.8 | 88088.5 | 125698.9 | 168756.2 |
| -17.5° | 13025.6 | 13737.0 | 14472.6 | 15299.6 | 16284.0 | 18686.7 | 25161.2 | 36782.3 | 56295.8 | 82293.1 | 107596.2 |
| -20° | 12683.8 | 13369.3 | 14037.6 | 14769.9 | 15598.0 | 16695.5 | 18987.4 | 25161.2 | 33710.5 | 49781.7 | 65397.1 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 12288.8 | 12964.1 | 13603.7 | 14224.1 | 14921.3 | 15698.9 | 16695.5 | 18686.7 | 22844.3 | 28761.6 | 37217.0 |
| -25° | 11852.3 | 12523.0 | 13135.7 | 13722.8 | 14296.9 | 14921.3 | 15598.0 | 16284.0 | 17799.9 | 19274.5 | 22928.8 |
| -27.5° | 11355.0 | 12023.7 | 12637.5 | 13193.5 | 13722.8 | 14224.1 | 14769.9 | 15299.6 | 15871.8 | 16373.8 | 17509.5 |
| -30° | 10812.3 | 11476.9 | 12081.3 | 12637.5 | 13135.7 | 13603.7 | 14037.6 | 14472.6 | 14889.2 | 15275.7 | 15662.5 |
| -32.5° | 9451.4 | 10871.7 | 11476.9 | 12023.7 | 12523.0 | 12964.1 | 13369.3 | 13737.0 | 14065.2 | 14374.2 | 14653.8 |
| -35° | 7811.0 | 9451.4 | 10812.3 | 11355.0 | 11852.3 | 12288.8 | 12683.8 | 13025.6 | 13329.6 | 13592.2 | 13811.2 |
| -37.5° | 5753.7 | 7623.6 | 9153.6 | 10468.9 | 11114.1 | 11559.6 | 11945.6 | 12283.8 | 12583.2 | 12825.6 | 13027.5 |
| -40° | 4811.7 | 5388.9 | 7065.6 | 8564.7 | 9719.4 | 10760.2 | 11140.2 | 11483.1 | 11778.7 | 12017.3 | 12215.6 |
| -42.5° | 4450.0 | 4714.7 | 5000.5 | 6148.5 | 7534.4 | 8693.7 | 9604.5 | 10424.2 | 10898.1 | 11138.8 | 11338.3 |
| -45° | 4224.2 | 4380.2 | 4555.2 | 4806.6 | 5041.2 | 6081.7 | 7168.1 | 8143.8 | 8837.9 | 9410.5 | 9884.7 |
| -47.5° | 3868.2 | 4115.6 | 4277.2 | 4406.8 | 4553.9 | 4754.7 | 4937.5 | 5221.2 | 6013.1 | 6691.6 | 7252.6 |
| -50° | 3444.8 | 3699.6 | 3917.2 | 4121.2 | 4254.4 | 4357.2 | 4450.7 | 4566.4 | 4699.0 | 4812.4 | 4906.1 |
| -52.5° | 2978.4 | 3223.3 | 3456.0 | 3667.7 | 3842.9 | 4003.9 | 4150.0 | 4236.5 | 4303.9 | 4361.6 | 4409.1 |
| -55° | 2540.4 | 2750.7 | 2948.7 | 3145.2 | 3331.3 | 3502.1 | 3653.0 | 3772.7 | 3877.5 | 3967.1 | 4040.8 |
| -57.5° | 2128.4 | 2302.9 | 2472.2 | 2642.1 | 2799.5 | 2943.6 | 3080.5 | 3206.7 | 3317.1 | 3411.3 | 3488.9 |
| -60° | 1735.7 | 1884.4 | 2033.6 | 2173.5 | 2302.9 | 2421.6 | 2540.4 | 2646.2 | 2738.7 | 2817.6 | 2882.5 |
| -62.5° | 1362.1 | 1490.5 | 1617.4 | 1735.7 | 1845.0 | 1948.5 | 2045.4 | 2131.7 | 2207.1 | 2271.3 | 2324.1 |
| -65° | 1027.4 | 1133.9 | 1233.7 | 1326.6 | 1412.9 | 1502.8 | 1583.9 | 1656.1 | 1719.1 | 1772.7 | 1816.9 |
| -67.5° | 729.2 | 811.8 | 889.1 | 961.1 | 1034.0 | 1103.9 | 1166.9 | 1223.0 | 1271.8 | 1313.4 | 1347.6 |
| -70° | 469.9 | 528.7 | 583.8 | 639.5 | 698.1 | 751.5 | 799.6 | 842.4 | 879.7 | 911.5 | 937.6 |
| -72.5° | 266.2 | 297.1 | 330.5 | 374.9 | 415.9 | 453.3 | 487.0 | 516.9 | 543.0 | 565.1 | 583.4 |
| -75° | 133.5 | 148.0 | 172.6 | 195.5 | 216.5 | 235.7 | 253.0 | 268.4 | 281.8 | 293.2 | 302.5 |
| -77.5° | 81.2 | 89.1 | 96.4 | 103.3 | 109.6 | 115.3 | 120.5 | 125.0 | 129.0 | 132.4 | 135.2 |
| -80° | 58.6 | 60.9 | 63.0 | 65.0 | 66.8 | 68.5 | 70.0 | 71.3 | 72.5 | 73.4 | 74.3 |
| -82.5° | 42.2 | 43.5 | 44.8 | 45.9 | 47.0 | 48.0 | 48.9 | 49.6 | 50.3 | 50.9 | 51.4 |
| -85° | 28.6 | 29.3 | 29.9 | 30.5 | 31.1 | 31.6 | 32.1 | 32.5 | 32.8 | 33.1 | 33.4 |
| -87.5° | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.7 | 18.9 | 19.1 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 19.2 | 19.3 | 19.4 | 19.4 | 19.4 | 19.3 | 19.2 | 19.1 | 18.9 | 18.7 | 18.5 |
| 85° | 33.6 | 33.7 | 33.8 | 33.8 | 33.8 | 33.7 | 33.6 | 33.4 | 33.1 | 32.8 | 32.5 |
| 82.5° | 51.7 | 52.0 | 52.1 | 52.2 | 52.1 | 52.0 | 51.7 | 51.4 | 50.9 | 50.3 | 49.6 |
| 80° | 74.9 | 75.3 | 75.6 | 75.7 | 75.6 | 75.3 | 74.9 | 74.3 | 73.4 | 72.5 | 71.3 |
| 77.5° | 137.4 | 139.0 | 139.9 | 140.2 | 139.9 | 139.0 | 137.4 | 135.2 | 132.4 | 129.0 | 125.0 |
| 75° | 309.8 | 315.0 | 318.2 | 319.2 | 318.2 | 315.0 | 309.8 | 302.5 | 293.2 | 281.8 | 268.4 |
| 72.5° | 597.6 | 607.7 | 613.9 | 615.9 | 613.9 | 607.7 | 597.6 | 583.4 | 565.1 | 543.0 | 516.9 |
| 70° | 957.9 | 972.5 | 981.3 | 984.2 | 981.3 | 972.5 | 957.9 | 937.6 | 911.5 | 879.7 | 842.4 |
| 67.5° | 1374.3 | 1393.5 | 1405.0 | 1408.8 | 1405.0 | 1393.5 | 1374.3 | 1347.6 | 1313.4 | 1271.8 | 1223.0 |
| 65° | 1851.3 | 1876.0 | 1890.8 | 1895.8 | 1890.8 | 1876.0 | 1851.3 | 1816.9 | 1772.7 | 1719.1 | 1656.1 |
| 62.5° | 2365.4 | 2395.0 | 2412.8 | 2418.7 | 2412.8 | 2395.0 | 2365.4 | 2324.1 | 2271.3 | 2207.1 | 2131.7 |
| 60° | 2933.2 | 2969.6 | 2991.5 | 2998.8 | 2991.5 | 2969.6 | 2933.2 | 2882.5 | 2817.6 | 2738.7 | 2646.2 |
| 57.5° | 3549.5 | 3593.1 | 3619.3 | 3628.0 | 3619.3 | 3593.1 | 3549.5 | 3488.9 | 3411.3 | 3317.1 | 3206.7 |
| 55° | 4098.6 | 4140.0 | 4165.0 | 4173.3 | 4165.0 | 4140.0 | 4098.6 | 4040.8 | 3967.1 | 3877.5 | 3772.7 |
| 52.5° | 4446.4 | 4473.1 | 4489.2 | 4494.6 | 4489.2 | 4473.1 | 4446.4 | 4409.1 | 4361.6 | 4303.9 | 4236.5 |
| 50° | 4979.5 | 5032.3 | 5064.1 | 5074.7 | 5064.1 | 5032.3 | 4979.5 | 4906.1 | 4812.4 | 4699.0 | 4566.4 |
| 47.5° | 7692.8 | 8009.3 | 8200.0 | 8263.7 | 8200.0 | 8009.3 | 7692.8 | 7252.6 | 6691.6 | 6013.1 | 5221.2 |
| 45° | 10257.1 | 10525.1 | 10686.7 | 10740.7 | 10686.7 | 10525.1 | 10257.1 | 9884.7 | 9410.5 | 8837.9 | 8143.8 |
| 42.5° | 11495.3 | 11608.4 | 11676.6 | 11699.4 | 11676.6 | 11608.4 | 11495.3 | 11338.3 | 11138.8 | 10898.1 | 10424.2 |
| 40° | 12371.7 | 12484.3 | 12552.4 | 12575.1 | 12552.4 | 12484.3 | 12371.7 | 12215.6 | 12017.3 | 11778.7 | 11483.1 |
| 37.5° | 13186.8 | 13301.8 | 13371.4 | 13394.7 | 13371.4 | 13301.8 | 13186.8 | 13027.5 | 12825.6 | 12583.2 | 12283.8 |
| 35° | 13984.4 | 14109.8 | 14185.7 | 14211.1 | 14185.7 | 14109.8 | 13984.4 | 13811.2 | 13592.2 | 13329.6 | 13025.6 |
| 32.5° | 14875.6 | 15036.5 | 15134.0 | 15166.7 | 15134.0 | 15036.5 | 14875.6 | 14653.8 | 14374.2 | 14065.2 | 13737.0 |
| 30° | 15970.4 | 16194.4 | 16330.4 | 16376.0 | 16330.4 | 16194.4 | 15970.4 | 15662.5 | 15275.7 | 14889.2 | 14472.6 |
| 27.5° | 18420.3 | 19084.9 | 19489.6 | 19625.5 | 19489.6 | 19084.9 | 18420.3 | 17509.5 | 16373.8 | 15871.8 | 15299.6 |
| 25° | 26615.7 | 29318.0 | 30968.9 | 31524.3 | 30968.9 | 29318.0 | 26615.7 | 22928.8 | 19274.5 | 17799.9 | 16284.0 |
| 22.5° | 47347.6 | 54816.2 | 59398.1 | 60943.1 | 59398.1 | 54816.2 | 47347.6 | 37217.0 | 28761.6 | 22844.3 | 18686.7 |
| 20° | 83940.2 | 97716.7 | 106217.6 | 109093.0 | 106217.6 | 97716.7 | 83940.2 | 65397.1 | 49781.7 | 33710.5 | 25161.2 |
| 17.5° | 138597.3 | 162459.2 | 177304.3 | 182348.3 | 177304.3 | 162459.2 | 138597.3 | 107596.2 | 82293.1 | 56295.8 | 36782.3 |
| 15° | 216259.5 | 257704.6 | 283799.5 | 292726.4 | 283799.5 | 257704.6 | 216259.5 | 168756.2 | 125698.9 | 88088.5 | 56295.8 |
| 12.5° | 314709.9 | 370971.7 | 409524.3 | 423200.0 | 409524.3 | 370971.7 | 314709.9 | 250433.1 | 179213.9 | 125698.9 | 82293.1 |
| 10° | 424487.6 | 497910.7 | 545662.7 | 562431.5 | 545662.7 | 497910.7 | 424487.6 | 336071.2 | 250433.1 | 168756.2 | 107596.2 |
| 7.5° | 529881.7 | 620421.1 | 685243.2 | 707323.0 | 685243.2 | 620421.1 | 529881.7 | 424487.6 | 314709.9 | 216259.5 | 138597.3 |
| 5° | 620421.1 | 731044.2 | 797374.5 | 820625.6 | 797374.5 | 731044.2 | 620421.1 | 497910.7 | 370971.7 | 257704.6 | 162459.2 |
| 2.5° | 685243.2 | 797374.5 | 872465.1 | 906706.2 | 872465.1 | 797374.5 | 685243.2 | 545662.7 | 409524.3 | 283799.5 | 177304.3 |
| 0° | 707323.0 | 820625.6 | 906706.2 | 954220.3 | 906706.2 | 820625.6 | 707323.0 | 562431.5 | 423200.0 | 292726.4 | 182348.3 |
| -2.5° | 685243.2 | 797374.5 | 872465.1 | 906706.2 | 872465.1 | 797374.5 | 685243.2 | 545662.7 | 409524.3 | 283799.5 | 177304.3 |
| -5° | 620421.1 | 731044.2 | 797374.5 | 820625.6 | 797374.5 | 731044.2 | 620421.1 | 497910.7 | 370971.7 | 257704.6 | 162459.2 |
| -7.5° | 529881.7 | 620421.1 | 685243.2 | 707323.0 | 685243.2 | 620421.1 | 529881.7 | 424487.6 | 314709.9 | 216259.5 | 138597.3 |
| -10° | 424487.6 | 497910.7 | 545662.7 | 562431.5 | 545662.7 | 497910.7 | 424487.6 | 336071.2 | 250433.1 | 168756.2 | 107596.2 |
| -12.5° | 314709.9 | 370971.7 | 409524.3 | 423200.0 | 409524.3 | 370971.7 | 314709.9 | 250433.1 | 179213.9 | 125698.9 | 82293.1 |
| -15° | 216259.5 | 257704.6 | 283799.5 | 292726.4 | 283799.5 | 257704.6 | 216259.5 | 168756.2 | 125698.9 | 88088.5 | 56295.8 |
| -17.5° | 138597.3 | 162459.2 | 177304.3 | 182348.3 | 177304.3 | 162459.2 | 138597.3 | 107596.2 | 82293.1 | 56295.8 | 36782.3 |
| -20° | 83940.2 | 97716.7 | 106217.6 | 109093.0 | 106217.6 | 97716.7 | 83940.2 | 65397.1 | 49781.7 | 33710.5 | 25161.2 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 47347.6 | 54816.2 | 59398.1 | 60943.1 | 59398.1 | 54816.2 | 47347.6 | 37217.0 | 28761.6 | 22844.3 | 18686.7 |
| -25° | 26615.7 | 29318.0 | 30968.9 | 31524.3 | 30968.9 | 29318.0 | 26615.7 | 22928.8 | 19274.5 | 17799.9 | 16284.0 |
| -27.5° | 18420.3 | 19084.9 | 19489.6 | 19625.5 | 19489.6 | 19084.9 | 18420.3 | 17509.5 | 16373.8 | 15871.8 | 15299.6 |
| -30° | 15970.4 | 16194.4 | 16330.4 | 16376.0 | 16330.4 | 16194.4 | 15970.4 | 15662.5 | 15275.7 | 14889.2 | 14472.6 |
| -32.5° | 14875.6 | 15036.5 | 15134.0 | 15166.7 | 15134.0 | 15036.5 | 14875.6 | 14653.8 | 14374.2 | 14065.2 | 13737.0 |
| -35° | 13984.4 | 14109.8 | 14185.7 | 14211.1 | 14185.7 | 14109.8 | 13984.4 | 13811.2 | 13592.2 | 13329.6 | 13025.6 |
| -37.5° | 13186.8 | 13301.8 | 13371.4 | 13394.7 | 13371.4 | 13301.8 | 13186.8 | 13027.5 | 12825.6 | 12583.2 | 12283.8 |
| -40° | 12371.7 | 12484.3 | 12552.4 | 12575.1 | 12552.4 | 12484.3 | 12371.7 | 12215.6 | 12017.3 | 11778.7 | 11483.1 |
| -42.5° | 11495.3 | 11608.4 | 11676.6 | 11699.4 | 11676.6 | 11608.4 | 11495.3 | 11338.3 | 11138.8 | 10898.1 | 10424.2 |
| -45° | 10257.1 | 10525.1 | 10686.7 | 10740.7 | 10686.7 | 10525.1 | 10257.1 | 9884.7 | 9410.5 | 8837.9 | 8143.8 |
| -47.5° | 7692.8 | 8009.3 | 8200.0 | 8263.7 | 8200.0 | 8009.3 | 7692.8 | 7252.6 | 6691.6 | 6013.1 | 5221.2 |
| -50° | 4979.5 | 5032.3 | 5064.1 | 5074.7 | 5064.1 | 5032.3 | 4979.5 | 4906.1 | 4812.4 | 4699.0 | 4566.4 |
| -52.5° | 4446.4 | 4473.1 | 4489.2 | 4494.6 | 4489.2 | 4473.1 | 4446.4 | 4409.1 | 4361.6 | 4303.9 | 4236.5 |
| -55° | 4098.6 | 4140.0 | 4165.0 | 4173.3 | 4165.0 | 4140.0 | 4098.6 | 4040.8 | 3967.1 | 3877.5 | 3772.7 |
| -57.5° | 3549.5 | 3593.1 | 3619.3 | 3628.0 | 3619.3 | 3593.1 | 3549.5 | 3488.9 | 3411.3 | 3317.1 | 3206.7 |
| -60° | 2933.2 | 2969.6 | 2991.5 | 2998.8 | 2991.5 | 2969.6 | 2933.2 | 2882.5 | 2817.6 | 2738.7 | 2646.2 |
| -62.5° | 2365.4 | 2395.0 | 2412.8 | 2418.7 | 2412.8 | 2395.0 | 2365.4 | 2324.1 | 2271.3 | 2207.1 | 2131.7 |
| -65° | 1851.3 | 1876.0 | 1890.8 | 1895.8 | 1890.8 | 1876.0 | 1851.3 | 1816.9 | 1772.7 | 1719.1 | 1656.1 |
| -67.5° | 1374.3 | 1393.5 | 1405.0 | 1408.8 | 1405.0 | 1393.5 | 1374.3 | 1347.6 | 1313.4 | 1271.8 | 1223.0 |
| -70° | 957.9 | 972.5 | 981.3 | 984.2 | 981.3 | 972.5 | 957.9 | 937.6 | 911.5 | 879.7 | 842.4 |
| -72.5° | 597.6 | 607.7 | 613.9 | 615.9 | 613.9 | 607.7 | 597.6 | 583.4 | 565.1 | 543.0 | 516.9 |
| -75° | 309.8 | 315.0 | 318.2 | 319.2 | 318.2 | 315.0 | 309.8 | 302.5 | 293.2 | 281.8 | 268.4 |
| -77.5° | 137.4 | 139.0 | 139.9 | 140.2 | 139.9 | 139.0 | 137.4 | 135.2 | 132.4 | 129.0 | 125.0 |
| -80° | 74.9 | 75.3 | 75.6 | 75.7 | 75.6 | 75.3 | 74.9 | 74.3 | 73.4 | 72.5 | 71.3 |
| -82.5° | 51.7 | 52.0 | 52.1 | 52.2 | 52.1 | 52.0 | 51.7 | 51.4 | 50.9 | 50.3 | 49.6 |
| -85° | 33.6 | 33.7 | 33.8 | 33.8 | 33.8 | 33.7 | 33.6 | 33.4 | 33.1 | 32.8 | 32.5 |
| -87.5° | 19.2 | 19.3 | 19.4 | 19.4 | 19.4 | 19.3 | 19.2 | 19.1 | 18.9 | 18.7 | 18.5 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 18.2 | 17.9 | 17.6 | 17.2 | 16.8 | 16.4 | 15.9 | 15.4 | 14.9 | 14.3 | 13.7 |
| 85° | 32.1 | 31.6 | 31.1 | 30.5 | 29.9 | 29.3 | 28.6 | 27.8 | 27.1 | 26.2 | 25.4 |
| 82.5° | 48.9 | 48.0 | 47.0 | 45.9 | 44.8 | 43.5 | 42.2 | 40.7 | 39.2 | 37.6 | 36.0 |
| 80° | 70.0 | 68.5 | 66.8 | 65.0 | 63.0 | 60.9 | 58.6 | 56.1 | 53.6 | 51.1 | 48.9 |
| 77.5° | 120.5 | 115.3 | 109.6 | 103.3 | 96.4 | 89.1 | 81.2 | 74.6 | 71.4 | 68.0 | 64.5 |
| 75° | 253.0 | 235.7 | 216.5 | 195.5 | 172.6 | 148.0 | 133.5 | 123.4 | 112.7 | 101.5 | 89.8 |
| 72.5° | 487.0 | 453.3 | 415.9 | 374.9 | 330.5 | 297.1 | 266.2 | 233.4 | 198.8 | 162.3 | 134.4 |
| 70° | 799.6 | 751.5 | 698.1 | 639.5 | 583.8 | 528.7 | 469.9 | 407.5 | 341.6 | 291.0 | 247.3 |
| 67.5° | 1166.9 | 1103.9 | 1034.0 | 961.1 | 889.1 | 811.8 | 729.2 | 641.6 | 562.1 | 484.0 | 402.3 |
| 65° | 1583.9 | 1502.8 | 1412.9 | 1326.6 | 1233.7 | 1133.9 | 1027.4 | 923.8 | 820.6 | 712.4 | 602.6 |
| 62.5° | 2045.4 | 1948.5 | 1845.0 | 1735.7 | 1617.4 | 1490.5 | 1362.1 | 1237.2 | 1105.6 | 970.0 | 845.2 |
| 60° | 2540.4 | 2421.6 | 2302.9 | 2173.5 | 2033.6 | 1884.4 | 1735.7 | 1578.4 | 1412.9 | 1261.3 | 1103.9 |
| 57.5° | 3080.5 | 2943.6 | 2799.5 | 2642.1 | 2472.2 | 2302.9 | 2128.4 | 1944.1 | 1760.4 | 1571.9 | 1379.8 |
| 55° | 3653.0 | 3502.1 | 3331.3 | 3145.2 | 2948.7 | 2750.7 | 2540.4 | 2328.4 | 2118.5 | 1899.3 | 1686.9 |
| 52.5° | 4150.0 | 4003.9 | 3842.9 | 3667.7 | 3456.0 | 3223.3 | 2978.4 | 2738.7 | 2487.6 | 2244.8 | 1999.7 |
| 50° | 4450.7 | 4357.2 | 4254.4 | 4121.2 | 3917.2 | 3699.6 | 3444.8 | 3165.2 | 2882.5 | 2601.7 | 2321.2 |
| 47.5° | 4937.5 | 4754.7 | 4553.9 | 4406.8 | 4277.2 | 4115.6 | 3868.2 | 3605.5 | 3292.5 | 2969.6 | 2659.1 |
| 45° | 7168.1 | 6081.7 | 5041.2 | 4806.6 | 4555.2 | 4380.2 | 4224.2 | 3982.2 | 3692.9 | 3356.6 | 2998.8 |
| 42.5° | 9604.5 | 8693.7 | 7534.4 | 6148.5 | 5000.5 | 4714.7 | 4450.0 | 4275.8 | 4039.7 | 3721.3 | 3356.6 |
| 40° | 11140.2 | 10760.2 | 9719.4 | 8564.7 | 7065.6 | 5388.9 | 4811.7 | 4485.2 | 4293.1 | 4039.7 | 3692.9 |
| 37.5° | 11945.6 | 11559.6 | 11114.1 | 10468.9 | 9153.6 | 7623.6 | 5753.7 | 4844.2 | 4485.2 | 4275.8 | 3982.2 |
| 35° | 12683.8 | 12288.8 | 11852.3 | 11355.0 | 10812.3 | 9451.4 | 7811.0 | 5753.7 | 4811.7 | 4450.0 | 4224.2 |
| 32.5° | 13369.3 | 12964.1 | 12523.0 | 12023.7 | 11476.9 | 10871.7 | 9451.4 | 7623.6 | 5388.9 | 4714.7 | 4380.2 |
| 30° | 14037.6 | 13603.7 | 13135.7 | 12637.5 | 12081.3 | 11476.9 | 10812.3 | 9153.6 | 7065.6 | 5000.5 | 4555.2 |
| 27.5° | 14769.9 | 14224.1 | 13722.8 | 13193.5 | 12637.5 | 12023.7 | 11355.0 | 10468.9 | 8564.7 | 6148.5 | 4806.6 |
| 25° | 15598.0 | 14921.3 | 14296.9 | 13722.8 | 13135.7 | 12523.0 | 11852.3 | 11114.1 | 9719.4 | 7534.4 | 5041.2 |
| 22.5° | 16695.5 | 15698.9 | 14921.3 | 14224.1 | 13603.7 | 12964.1 | 12288.8 | 11559.6 | 10760.2 | 8693.7 | 6081.7 |
| 20° | 18987.4 | 16695.5 | 15598.0 | 14769.9 | 14037.6 | 13369.3 | 12683.8 | 11945.6 | 11140.2 | 9604.5 | 7168.1 |
| 17.5° | 25161.2 | 18686.7 | 16284.0 | 15299.6 | 14472.6 | 13737.0 | 13025.6 | 12283.8 | 11483.1 | 10424.2 | 8143.8 |
| 15° | 33710.5 | 22844.3 | 17799.9 | 15871.8 | 14889.2 | 14065.2 | 13329.6 | 12583.2 | 11778.7 | 10898.1 | 8837.9 |
| 12.5° | 49781.7 | 28761.6 | 19274.5 | 16373.8 | 15275.7 | 14374.2 | 13592.2 | 12825.6 | 12017.3 | 11138.8 | 9410.5 |
| 10° | 65397.1 | 37217.0 | 22928.8 | 17509.5 | 15662.5 | 14653.8 | 13811.2 | 13027.5 | 12215.6 | 11338.3 | 9884.7 |
| 7.5° | 83940.2 | 47347.6 | 26615.7 | 18420.3 | 15970.4 | 14875.6 | 13984.4 | 13186.8 | 12371.7 | 11495.3 | 10257.1 |
| 5° | 97716.7 | 54816.2 | 29318.0 | 19084.9 | 16194.4 | 15036.5 | 14109.8 | 13301.8 | 12484.3 | 11608.4 | 10525.1 |
| 2.5° | 106217.6 | 59398.1 | 30968.9 | 19489.6 | 16330.4 | 15134.0 | 14185.7 | 13371.4 | 12552.4 | 11676.6 | 10686.7 |
| 0° | 109093.0 | 60943.1 | 31524.3 | 19625.5 | 16376.0 | 15166.7 | 14211.1 | 13394.7 | 12575.1 | 11699.4 | 10740.7 |
| -2.5° | 106217.6 | 59398.1 | 30968.9 | 19489.6 | 16330.4 | 15134.0 | 14185.7 | 13371.4 | 12552.4 | 11676.6 | 10686.7 |
| -5° | 97716.7 | 54816.2 | 29318.0 | 19084.9 | 16194.4 | 15036.5 | 14109.8 | 13301.8 | 12484.3 | 11608.4 | 10525.1 |
| -7.5° | 83940.2 | 47347.6 | 26615.7 | 18420.3 | 15970.4 | 14875.6 | 13984.4 | 13186.8 | 12371.7 | 11495.3 | 10257.1 |
| -10° | 65397.1 | 37217.0 | 22928.8 | 17509.5 | 15662.5 | 14653.8 | 13811.2 | 13027.5 | 12215.6 | 11338.3 | 9884.7 |
| -12.5° | 49781.7 | 28761.6 | 19274.5 | 16373.8 | 15275.7 | 14374.2 | 13592.2 | 12825.6 | 12017.3 | 11138.8 | 9410.5 |
| -15° | 33710.5 | 22844.3 | 17799.9 | 15871.8 | 14889.2 | 14065.2 | 13329.6 | 12583.2 | 11778.7 | 10898.1 | 8837.9 |
| -17.5° | 25161.2 | 18686.7 | 16284.0 | 15299.6 | 14472.6 | 13737.0 | 13025.6 | 12283.8 | 11483.1 | 10424.2 | 8143.8 |
| -20° | 18987.4 | 16695.5 | 15598.0 | 14769.9 | 14037.6 | 13369.3 | 12683.8 | 11945.6 | 11140.2 | 9604.5 | 7168.1 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| -22.5° | 16695.5 | 15698.9 | 14921.3 | 14224.1 | 13603.7 | 12964.1 | 12288.8 | 11559.6 | 10760.2 | 8693.7 | 6081.7 |
| -25° | 15598.0 | 14921.3 | 14296.9 | 13722.8 | 13135.7 | 12523.0 | 11852.3 | 11114.1 | 9719.4 | 7534.4 | 5041.2 |
| -27.5° | 14769.9 | 14224.1 | 13722.8 | 13193.5 | 12637.5 | 12023.7 | 11355.0 | 10468.9 | 8564.7 | 6148.5 | 4806.6 |
| -30° | 14037.6 | 13603.7 | 13135.7 | 12637.5 | 12081.3 | 11476.9 | 10812.3 | 9153.6 | 7065.6 | 5000.5 | 4555.2 |
| -32.5° | 13369.3 | 12964.1 | 12523.0 | 12023.7 | 11476.9 | 10871.7 | 9451.4 | 7623.6 | 5388.9 | 4714.7 | 4380.2 |
| -35° | 12683.8 | 12288.8 | 11852.3 | 11355.0 | 10812.3 | 9451.4 | 7811.0 | 5753.7 | 4811.7 | 4450.0 | 4224.2 |
| -37.5° | 11945.6 | 11559.6 | 11114.1 | 10468.9 | 9153.6 | 7623.6 | 5753.7 | 4844.2 | 4485.2 | 4275.8 | 3982.2 |
| -40° | 11140.2 | 10760.2 | 9719.4 | 8564.7 | 7065.6 | 5388.9 | 4811.7 | 4485.2 | 4293.1 | 4039.7 | 3692.9 |
| -42.5° | 9604.5 | 8693.7 | 7534.4 | 6148.5 | 5000.5 | 4714.7 | 4450.0 | 4275.8 | 4039.7 | 3721.3 | 3356.6 |
| -45° | 7168.1 | 6081.7 | 5041.2 | 4806.6 | 4555.2 | 4380.2 | 4224.2 | 3982.2 | 3692.9 | 3356.6 | 2998.8 |
| -47.5° | 4937.5 | 4754.7 | 4553.9 | 4406.8 | 4277.2 | 4115.6 | 3868.2 | 3605.5 | 3292.5 | 2969.6 | 2659.1 |
| -50° | 4450.7 | 4357.2 | 4254.4 | 4121.2 | 3917.2 | 3699.6 | 3444.8 | 3165.2 | 2882.5 | 2601.7 | 2321.2 |
| -52.5° | 4150.0 | 4003.9 | 3842.9 | 3667.7 | 3456.0 | 3223.3 | 2978.4 | 2738.7 | 2487.6 | 2244.8 | 1999.7 |
| -55° | 3653.0 | 3502.1 | 3331.3 | 3145.2 | 2948.7 | 2750.7 | 2540.4 | 2328.4 | 2118.5 | 1899.3 | 1686.9 |
| -57.5° | 3080.5 | 2943.6 | 2799.5 | 2642.1 | 2472.2 | 2302.9 | 2128.4 | 1944.1 | 1760.4 | 1571.9 | 1379.8 |
| -60° | 2540.4 | 2421.6 | 2302.9 | 2173.5 | 2033.6 | 1884.4 | 1735.7 | 1578.4 | 1412.9 | 1261.3 | 1103.9 |
| -62.5° | 2045.4 | 1948.5 | 1845.0 | 1735.7 | 1617.4 | 1490.5 | 1362.1 | 1237.2 | 1105.6 | 970.0 | 845.2 |
| -65° | 1583.9 | 1502.8 | 1412.9 | 1326.6 | 1233.7 | 1133.9 | 1027.4 | 923.8 | 820.6 | 712.4 | 602.6 |
| -67.5° | 1166.9 | 1103.9 | 1034.0 | 961.1 | 889.1 | 811.8 | 729.2 | 641.6 | 562.1 | 484.0 | 402.3 |
| -70° | 799.6 | 751.5 | 698.1 | 639.5 | 583.8 | 528.7 | 469.9 | 407.5 | 341.6 | 291.0 | 247.3 |
| -72.5° | 487.0 | 453.3 | 415.9 | 374.9 | 330.5 | 297.1 | 266.2 | 233.4 | 198.8 | 162.3 | 134.4 |
| -75° | 253.0 | 235.7 | 216.5 | 195.5 | 172.6 | 148.0 | 133.5 | 123.4 | 112.7 | 101.5 | 89.8 |
| -77.5° | 120.5 | 115.3 | 109.6 | 103.3 | 96.4 | 89.1 | 81.2 | 74.6 | 71.4 | 68.0 | 64.5 |
| -80° | 70.0 | 68.5 | 66.8 | 65.0 | 63.0 | 60.9 | 58.6 | 56.1 | 53.6 | 51.1 | 48.9 |
| -82.5° | 48.9 | 48.0 | 47.0 | 45.9 | 44.8 | 43.5 | 42.2 | 40.7 | 39.2 | 37.6 | 36.0 |
| -85° | 32.1 | 31.6 | 31.1 | 30.5 | 29.9 | 29.3 | 28.6 | 27.8 | 27.1 | 26.2 | 25.4 |
| -87.5° | 18.2 | 17.9 | 17.6 | 17.2 | 16.8 | 16.4 | 15.9 | 15.4 | 14.9 | 14.3 | 13.7 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 13.1 | 12.5 | 11.8 | 11.1 | 10.4 | 9.7 | 9.0 | 8.2 | 7.4 | 6.6 | 5.8 |
| 85° | 24.4 | 23.5 | 22.5 | 21.5 | 20.5 | 19.4 | 17.9 | 16.4 | 14.8 | 13.3 | 11.7 |
| 82.5° | 34.2 | 32.7 | 31.3 | 29.7 | 28.2 | 26.6 | 24.9 | 23.2 | 21.5 | 19.7 | 17.5 |
| 80° | 46.6 | 44.2 | 41.7 | 39.1 | 36.4 | 33.7 | 31.5 | 29.2 | 26.9 | 24.6 | 22.2 |
| 77.5° | 60.7 | 56.9 | 52.9 | 49.5 | 46.2 | 42.7 | 39.2 | 35.6 | 32.4 | 29.5 | 26.5 |
| 75° | 77.5 | 71.7 | 66.9 | 62.0 | 56.8 | 51.7 | 47.5 | 43.2 | 38.8 | 34.4 | 30.7 |
| 72.5° | 120.1 | 105.2 | 89.8 | 75.1 | 69.1 | 63.0 | 56.7 | 50.7 | 45.6 | 40.4 | 35.2 |
| 70° | 201.8 | 154.5 | 127.7 | 109.6 | 90.9 | 74.3 | 67.1 | 59.8 | 52.4 | 46.4 | 40.4 |
| 67.5° | 318.0 | 264.8 | 209.8 | 153.1 | 123.8 | 102.3 | 80.3 | 69.2 | 60.9 | 52.4 | 45.6 |
| 65° | 507.9 | 409.7 | 312.6 | 249.6 | 184.9 | 132.4 | 108.0 | 83.1 | 69.2 | 59.8 | 50.7 |
| 62.5° | 715.6 | 588.1 | 476.5 | 361.7 | 273.7 | 201.0 | 135.3 | 108.0 | 80.3 | 67.1 | 56.7 |
| 60° | 946.3 | 799.6 | 648.4 | 516.9 | 388.5 | 281.8 | 201.0 | 132.4 | 102.3 | 74.3 | 63.0 |
| 57.5° | 1202.3 | 1018.9 | 850.4 | 682.2 | 530.4 | 388.5 | 273.7 | 184.9 | 123.8 | 90.9 | 69.1 |
| 55° | 1467.1 | 1261.8 | 1058.4 | 867.4 | 682.2 | 516.9 | 361.7 | 249.6 | 153.1 | 109.6 | 75.1 |
| 52.5° | 1756.5 | 1513.2 | 1281.8 | 1058.4 | 850.4 | 648.4 | 476.5 | 312.6 | 209.8 | 127.7 | 89.8 |
| 50° | 2050.2 | 1779.8 | 1513.2 | 1261.8 | 1018.9 | 799.6 | 588.1 | 409.7 | 264.8 | 154.5 | 105.2 |
| 47.5° | 2346.8 | 2050.2 | 1756.5 | 1467.1 | 1202.3 | 946.3 | 715.6 | 507.9 | 318.0 | 201.8 | 120.1 |
| 45° | 2659.1 | 2321.2 | 1999.7 | 1686.9 | 1379.8 | 1103.9 | 845.2 | 602.6 | 402.3 | 247.3 | 134.4 |
| 42.5° | 2969.6 | 2601.7 | 2244.8 | 1899.3 | 1571.9 | 1261.3 | 970.0 | 712.4 | 484.0 | 291.0 | 162.3 |
| 40° | 3292.5 | 2882.5 | 2487.6 | 2118.5 | 1760.4 | 1412.9 | 1105.6 | 820.6 | 562.1 | 341.6 | 198.8 |
| 37.5° | 3605.5 | 3165.2 | 2738.7 | 2328.4 | 1944.1 | 1578.4 | 1237.2 | 923.8 | 641.6 | 407.5 | 233.4 |
| 35° | 3868.2 | 3444.8 | 2978.4 | 2540.4 | 2128.4 | 1735.7 | 1362.1 | 1027.4 | 729.2 | 469.9 | 266.2 |
| 32.5° | 4115.6 | 3699.6 | 3223.3 | 2750.7 | 2302.9 | 1884.4 | 1490.5 | 1133.9 | 811.8 | 528.7 | 297.1 |
| 30° | 4277.2 | 3917.2 | 3456.0 | 2948.7 | 2472.2 | 2033.6 | 1617.4 | 1233.7 | 889.1 | 583.8 | 330.5 |
| 27.5° | 4406.8 | 4121.2 | 3667.7 | 3145.2 | 2642.1 | 2173.5 | 1735.7 | 1326.6 | 961.1 | 639.5 | 374.9 |
| 25° | 4553.9 | 4254.4 | 3842.9 | 3331.3 | 2799.5 | 2302.9 | 1845.0 | 1412.9 | 1034.0 | 698.1 | 415.9 |
| 22.5° | 4754.7 | 4357.2 | 4003.9 | 3502.1 | 2943.6 | 2421.6 | 1948.5 | 1502.8 | 1103.9 | 751.5 | 453.3 |
| 20° | 4937.5 | 4450.7 | 4150.0 | 3653.0 | 3080.5 | 2540.4 | 2045.4 | 1583.9 | 1166.9 | 799.6 | 487.0 |
| 17.5° | 5221.2 | 4566.4 | 4236.5 | 3772.7 | 3206.7 | 2646.2 | 2131.7 | 1656.1 | 1223.0 | 842.4 | 516.9 |
| 15° | 6013.1 | 4699.0 | 4303.9 | 3877.5 | 3317.1 | 2738.7 | 2207.1 | 1719.1 | 1271.8 | 879.7 | 543.0 |
| 12.5° | 6691.6 | 4812.4 | 4361.6 | 3967.1 | 3411.3 | 2817.6 | 2271.3 | 1772.7 | 1313.4 | 911.5 | 565.1 |
| 10° | 7252.6 | 4906.1 | 4409.1 | 4040.8 | 3488.9 | 2882.5 | 2324.1 | 1816.9 | 1347.6 | 937.6 | 583.4 |
| 7.5° | 7692.8 | 4979.5 | 4446.4 | 4098.6 | 3549.5 | 2933.2 | 2365.4 | 1851.3 | 1374.3 | 957.9 | 597.6 |
| 5° | 8009.3 | 5032.3 | 4473.1 | 4140.0 | 3593.1 | 2969.6 | 2395.0 | 1876.0 | 1393.5 | 972.5 | 607.7 |
| 2.5° | 8200.0 | 5064.1 | 4489.2 | 4165.0 | 3619.3 | 2991.5 | 2412.8 | 1890.8 | 1405.0 | 981.3 | 613.9 |
| 0° | 8263.7 | 5074.7 | 4494.6 | 4173.3 | 3628.0 | 2998.8 | 2418.7 | 1895.8 | 1408.8 | 984.2 | 615.9 |
| -2.5° | 8200.0 | 5064.1 | 4489.2 | 4165.0 | 3619.3 | 2991.5 | 2412.8 | 1890.8 | 1405.0 | 981.3 | 613.9 |
| -5° | 8009.3 | 5032.3 | 4473.1 | 4140.0 | 3593.1 | 2969.6 | 2395.0 | 1876.0 | 1393.5 | 972.5 | 607.7 |
| -7.5° | 7692.8 | 4979.5 | 4446.4 | 4098.6 | 3549.5 | 2933.2 | 2365.4 | 1851.3 | 1374.3 | 957.9 | 597.6 |
| -10° | 7252.6 | 4906.1 | 4409.1 | 4040.8 | 3488.9 | 2882.5 | 2324.1 | 1816.9 | 1347.6 | 937.6 | 583.4 |
| -12.5° | 6691.6 | 4812.4 | 4361.6 | 3967.1 | 3411.3 | 2817.6 | 2271.3 | 1772.7 | 1313.4 | 911.5 | 565.1 |
| -15° | 6013.1 | 4699.0 | 4303.9 | 3877.5 | 3317.1 | 2738.7 | 2207.1 | 1719.1 | 1271.8 | 879.7 | 543.0 |
| -17.5° | 5221.2 | 4566.4 | 4236.5 | 3772.7 | 3206.7 | 2646.2 | 2131.7 | 1656.1 | 1223.0 | 842.4 | 516.9 |
| -20° | 4937.5 | 4450.7 | 4150.0 | 3653.0 | 3080.5 | 2540.4 | 2045.4 | 1583.9 | 1166.9 | 799.6 | 487.0 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| -22.5° | 4754.7 | 4357.2 | 4003.9 | 3502.1 | 2943.6 | 2421.6 | 1948.5 | 1502.8 | 1103.9 | 751.5 | 453.3 |
| -25° | 4553.9 | 4254.4 | 3842.9 | 3331.3 | 2799.5 | 2302.9 | 1845.0 | 1412.9 | 1034.0 | 698.1 | 415.9 |
| -27.5° | 4406.8 | 4121.2 | 3667.7 | 3145.2 | 2642.1 | 2173.5 | 1735.7 | 1326.6 | 961.1 | 639.5 | 374.9 |
| -30° | 4277.2 | 3917.2 | 3456.0 | 2948.7 | 2472.2 | 2033.6 | 1617.4 | 1233.7 | 889.1 | 583.8 | 330.5 |
| -32.5° | 4115.6 | 3699.6 | 3223.3 | 2750.7 | 2302.9 | 1884.4 | 1490.5 | 1133.9 | 811.8 | 528.7 | 297.1 |
| -35° | 3868.2 | 3444.8 | 2978.4 | 2540.4 | 2128.4 | 1735.7 | 1362.1 | 1027.4 | 729.2 | 469.9 | 266.2 |
| -37.5° | 3605.5 | 3165.2 | 2738.7 | 2328.4 | 1944.1 | 1578.4 | 1237.2 | 923.8 | 641.6 | 407.5 | 233.4 |
| -40° | 3292.5 | 2882.5 | 2487.6 | 2118.5 | 1760.4 | 1412.9 | 1105.6 | 820.6 | 562.1 | 341.6 | 198.8 |
| -42.5° | 2969.6 | 2601.7 | 2244.8 | 1899.3 | 1571.9 | 1261.3 | 970.0 | 712.4 | 484.0 | 291.0 | 162.3 |
| -45° | 2659.1 | 2321.2 | 1999.7 | 1686.9 | 1379.8 | 1103.9 | 845.2 | 602.6 | 402.3 | 247.3 | 134.4 |
| -47.5° | 2346.8 | 2050.2 | 1756.5 | 1467.1 | 1202.3 | 946.3 | 715.6 | 507.9 | 318.0 | 201.8 | 120.1 |
| -50° | 2050.2 | 1779.8 | 1513.2 | 1261.8 | 1018.9 | 799.6 | 588.1 | 409.7 | 264.8 | 154.5 | 105.2 |
| -52.5° | 1756.5 | 1513.2 | 1281.8 | 1058.4 | 850.4 | 648.4 | 476.5 | 312.6 | 209.8 | 127.7 | 89.8 |
| -55° | 1467.1 | 1261.8 | 1058.4 | 867.4 | 682.2 | 516.9 | 361.7 | 249.6 | 153.1 | 109.6 | 75.1 |
| -57.5° | 1202.3 | 1018.9 | 850.4 | 682.2 | 530.4 | 388.5 | 273.7 | 184.9 | 123.8 | 90.9 | 69.1 |
| -60° | 946.3 | 799.6 | 648.4 | 516.9 | 388.5 | 281.8 | 201.0 | 132.4 | 102.3 | 74.3 | 63.0 |
| -62.5° | 715.6 | 588.1 | 476.5 | 361.7 | 273.7 | 201.0 | 135.3 | 108.0 | 80.3 | 67.1 | 56.7 |
| -65° | 507.9 | 409.7 | 312.6 | 249.6 | 184.9 | 132.4 | 108.0 | 83.1 | 69.2 | 59.8 | 50.7 |
| -67.5° | 318.0 | 264.8 | 209.8 | 153.1 | 123.8 | 102.3 | 80.3 | 69.2 | 60.9 | 52.4 | 45.6 |
| -70° | 201.8 | 154.5 | 127.7 | 109.6 | 90.9 | 74.3 | 67.1 | 59.8 | 52.4 | 46.4 | 40.4 |
| -72.5° | 120.1 | 105.2 | 89.8 | 75.1 | 69.1 | 63.0 | 56.7 | 50.7 | 45.6 | 40.4 | 35.2 |
| -75° | 77.5 | 71.7 | 66.9 | 62.0 | 56.8 | 51.7 | 47.5 | 43.2 | 38.8 | 34.4 | 30.7 |
| -77.5° | 60.7 | 56.9 | 52.9 | 49.5 | 46.2 | 42.7 | 39.2 | 35.6 | 32.4 | 29.5 | 26.5 |
| -80° | 46.6 | 44.2 | 41.7 | 39.1 | 36.4 | 33.7 | 31.5 | 29.2 | 26.9 | 24.6 | 22.2 |
| -82.5° | 34.2 | 32.7 | 31.3 | 29.7 | 28.2 | 26.6 | 24.9 | 23.2 | 21.5 | 19.7 | 17.5 |
| -85° | 24.4 | 23.5 | 22.5 | 21.5 | 20.5 | 19.4 | 17.9 | 16.4 | 14.8 | 13.3 | 11.7 |
| -87.5° | 13.1 | 12.5 | 11.8 | 11.1 | 10.4 | 9.7 | 9.0 | 8.2 | 7.4 | 6.6 | 5.8 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 5.0 | 4.2 | 3.4 | 2.5 | 1.7 | 0.8 | 0.0 |
| 85° | 10.0 | 8.4 | 6.7 | 5.1 | 3.4 | 1.7 | 0.0 |
| 82.5° | 15.0 | 12.6 | 10.1 | 7.6 | 5.1 | 2.5 | 0.0 |
| 80° | 19.8 | 16.7 | 13.4 | 10.1 | 6.7 | 3.4 | 0.0 |
| 77.5° | 23.5 | 20.5 | 16.7 | 12.6 | 8.4 | 4.2 | 0.0 |
| 75° | 27.1 | 23.5 | 19.8 | 15.0 | 10.0 | 5.0 | 0.0 |
| 72.5° | 30.7 | 26.5 | 22.2 | 17.5 | 11.7 | 5.8 | 0.0 |
| 70° | 34.4 | 29.5 | 24.6 | 19.7 | 13.3 | 6.6 | 0.0 |
| 67.5° | 38.8 | 32.4 | 26.9 | 21.5 | 14.8 | 7.4 | 0.0 |
| 65° | 43.2 | 35.6 | 29.2 | 23.2 | 16.4 | 8.2 | 0.0 |
| 62.5° | 47.5 | 39.2 | 31.5 | 24.9 | 17.9 | 9.0 | 0.0 |
| 60° | 51.7 | 42.7 | 33.7 | 26.6 | 19.4 | 9.7 | 0.0 |
| 57.5° | 56.8 | 46.2 | 36.4 | 28.2 | 20.5 | 10.4 | 0.0 |
| 55° | 62.0 | 49.5 | 39.1 | 29.7 | 21.5 | 11.1 | 0.0 |
| 52.5° | 66.9 | 52.9 | 41.7 | 31.3 | 22.5 | 11.8 | 0.0 |
| 50° | 71.7 | 56.9 | 44.2 | 32.7 | 23.5 | 12.5 | 0.0 |
| 47.5° | 77.5 | 60.7 | 46.6 | 34.2 | 24.4 | 13.1 | 0.0 |
| 45° | 89.8 | 64.5 | 48.9 | 36.0 | 25.4 | 13.7 | 0.0 |
| 42.5° | 101.5 | 68.0 | 51.1 | 37.6 | 26.2 | 14.3 | 0.0 |
| 40° | 112.7 | 71.4 | 53.6 | 39.2 | 27.1 | 14.9 | 0.0 |
| 37.5° | 123.4 | 74.6 | 56.1 | 40.7 | 27.8 | 15.4 | 0.0 |
| 35° | 133.5 | 81.2 | 58.6 | 42.2 | 28.6 | 15.9 | 0.0 |
| 32.5° | 148.0 | 89.1 | 60.9 | 43.5 | 29.3 | 16.4 | 0.0 |
| 30° | 172.6 | 96.4 | 63.0 | 44.8 | 29.9 | 16.8 | 0.0 |
| 27.5° | 195.5 | 103.3 | 65.0 | 45.9 | 30.5 | 17.2 | 0.0 |
| 25° | 216.5 | 109.6 | 66.8 | 47.0 | 31.1 | 17.6 | 0.0 |
| 22.5° | 235.7 | 115.3 | 68.5 | 48.0 | 31.6 | 17.9 | 0.0 |
| 20° | 253.0 | 120.5 | 70.0 | 48.9 | 32.1 | 18.2 | 0.0 |
| 17.5° | 268.4 | 125.0 | 71.3 | 49.6 | 32.5 | 18.5 | 0.0 |
| 15° | 281.8 | 129.0 | 72.5 | 50.3 | 32.8 | 18.7 | 0.0 |
| 12.5° | 293.2 | 132.4 | 73.4 | 50.9 | 33.1 | 18.9 | 0.0 |
| 10° | 302.5 | 135.2 | 74.3 | 51.4 | 33.4 | 19.1 | 0.0 |
| 7.5° | 309.8 | 137.4 | 74.9 | 51.7 | 33.6 | 19.2 | 0.0 |
| 5° | 315.0 | 139.0 | 75.3 | 52.0 | 33.7 | 19.3 | 0.0 |
| 2.5° | 318.2 | 139.9 | 75.6 | 52.1 | 33.8 | 19.4 | 0.0 |
| 0° | 319.2 | 140.2 | 75.7 | 52.2 | 33.8 | 19.4 | 0.0 |
| -2.5° | 318.2 | 139.9 | 75.6 | 52.1 | 33.8 | 19.4 | 0.0 |
| -5° | 315.0 | 139.0 | 75.3 | 52.0 | 33.7 | 19.3 | 0.0 |
| -7.5° | 309.8 | 137.4 | 74.9 | 51.7 | 33.6 | 19.2 | 0.0 |
| -10° | 302.5 | 135.2 | 74.3 | 51.4 | 33.4 | 19.1 | 0.0 |
| -12.5° | 293.2 | 132.4 | 73.4 | 50.9 | 33.1 | 18.9 | 0.0 |
| -15° | 281.8 | 129.0 | 72.5 | 50.3 | 32.8 | 18.7 | 0.0 |
| -17.5° | 268.4 | 125.0 | 71.3 | 49.6 | 32.5 | 18.5 | 0.0 |
| -20° | 253.0 | 120.5 | 70.0 | 48.9 | 32.1 | 18.2 | 0.0 |



REPORT NUMBER: P699937 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-70-2S-S

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| -22.5° | 235.7 | 115.3 | 68.5 | 48.0 | 31.6 | 17.9 | 0.0 |
| -25° | 216.5 | 109.6 | 66.8 | 47.0 | 31.1 | 17.6 | 0.0 |
| -27.5° | 195.5 | 103.3 | 65.0 | 45.9 | 30.5 | 17.2 | 0.0 |
| -30° | 172.6 | 96.4 | 63.0 | 44.8 | 29.9 | 16.8 | 0.0 |
| -32.5° | 148.0 | 89.1 | 60.9 | 43.5 | 29.3 | 16.4 | 0.0 |
| -35° | 133.5 | 81.2 | 58.6 | 42.2 | 28.6 | 15.9 | 0.0 |
| -37.5° | 123.4 | 74.6 | 56.1 | 40.7 | 27.8 | 15.4 | 0.0 |
| -40° | 112.7 | 71.4 | 53.6 | 39.2 | 27.1 | 14.9 | 0.0 |
| -42.5° | 101.5 | 68.0 | 51.1 | 37.6 | 26.2 | 14.3 | 0.0 |
| -45° | 89.8 | 64.5 | 48.9 | 36.0 | 25.4 | 13.7 | 0.0 |
| -47.5° | 77.5 | 60.7 | 46.6 | 34.2 | 24.4 | 13.1 | 0.0 |
| -50° | 71.7 | 56.9 | 44.2 | 32.7 | 23.5 | 12.5 | 0.0 |
| -52.5° | 66.9 | 52.9 | 41.7 | 31.3 | 22.5 | 11.8 | 0.0 |
| -55° | 62.0 | 49.5 | 39.1 | 29.7 | 21.5 | 11.1 | 0.0 |
| -57.5° | 56.8 | 46.2 | 36.4 | 28.2 | 20.5 | 10.4 | 0.0 |
| -60° | 51.7 | 42.7 | 33.7 | 26.6 | 19.4 | 9.7 | 0.0 |
| -62.5° | 47.5 | 39.2 | 31.5 | 24.9 | 17.9 | 9.0 | 0.0 |
| -65° | 43.2 | 35.6 | 29.2 | 23.2 | 16.4 | 8.2 | 0.0 |
| -67.5° | 38.8 | 32.4 | 26.9 | 21.5 | 14.8 | 7.4 | 0.0 |
| -70° | 34.4 | 29.5 | 24.6 | 19.7 | 13.3 | 6.6 | 0.0 |
| -72.5° | 30.7 | 26.5 | 22.2 | 17.5 | 11.7 | 5.8 | 0.0 |
| -75° | 27.1 | 23.5 | 19.8 | 15.0 | 10.0 | 5.0 | 0.0 |
| -77.5° | 23.5 | 20.5 | 16.7 | 12.6 | 8.4 | 4.2 | 0.0 |
| -80° | 19.8 | 16.7 | 13.4 | 10.1 | 6.7 | 3.4 | 0.0 |
| -82.5° | 15.0 | 12.6 | 10.1 | 7.6 | 5.1 | 2.5 | 0.0 |
| -85° | 10.0 | 8.4 | 6.7 | 5.1 | 3.4 | 1.7 | 0.0 |
| -87.5° | 5.0 | 4.2 | 3.4 | 2.5 | 1.7 | 0.8 | 0.0 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)