

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-5700K-77**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-VN-06-E-PRO-5700K-77  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 77 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35568.2 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 78.6°H x 78.6°V  
Beam Lumens: 20521.1 lumens  
Beam Efficiency: 57.7%

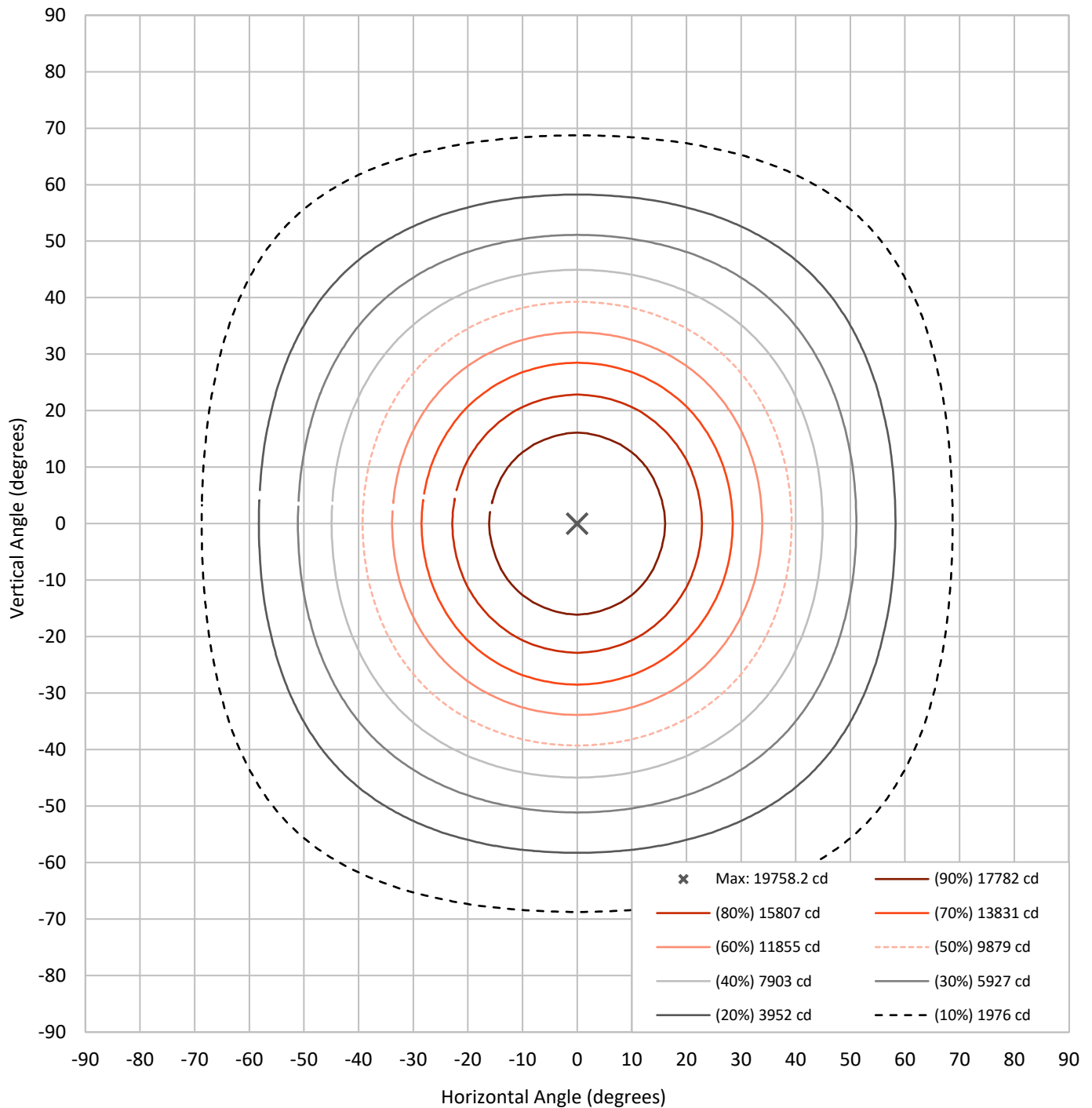
Field Angle (10%): 137.5°H x 137.5°V  
Field Lumens: 33601.6 lumens  
Field Efficiency: 94.5%

NEMA Type: 7H x 7V  
Max Intensity: 19758.2 candela  
Max Intensity Angle: 0°H x 0°V

Input Watts (W): 283.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

### Iso-Candela Plot





REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

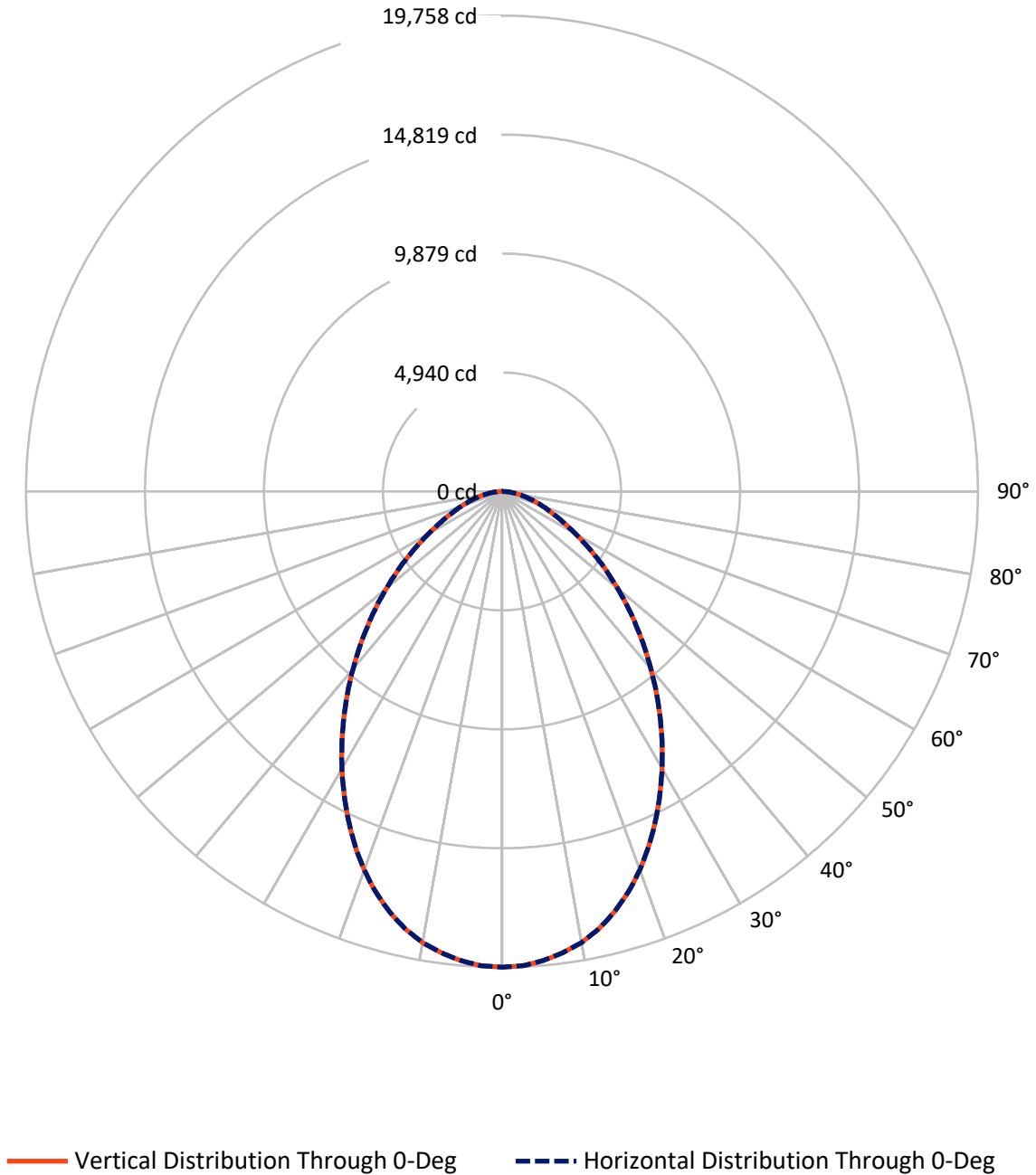
CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

### Lumen Table

|     |      |      |      |       |       |       |       |       |       |       |       |       |       |      |      |      |    |    |    |
|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|----|----|----|
| 90  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 90   |      |    |    |    |
| 80  | 3.0  | 20.8 |      | 51.7  |       | 81.9  |       | 94.3  |       | 81.9  |       | 51.7  |       | 20.8 |      | 3.0  |    |    |    |
| 70  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 70   |      |    |    |    |
| 60  | 9.4  | 9.8  | 19.6 | 32.2  | 46.3  | 60.0  | 71.3  | 77.5  | 77.5  | 71.3  | 60.0  | 46.3  | 32.2  | 19.6 | 9.8  | 9.4  |    |    |    |
| 50  |      | 14.5 | 30.1 | 51.4  | 78.2  | 106.9 | 131.2 | 145.0 | 145.0 | 131.2 | 106.9 | 78.2  | 51.4  | 30.1 | 14.5 |      |    |    |    |
| 40  | 15.8 | 19.5 | 41.9 | 76.8  | 123.0 | 171.8 | 212.9 | 236.5 | 236.5 | 212.9 | 171.8 | 123.0 | 76.8  | 41.9 | 19.5 | 15.8 |    |    |    |
| 30  |      | 24.2 | 55.2 | 106.5 | 173.3 | 244.9 | 306.3 | 342.1 | 342.1 | 306.3 | 244.9 | 173.3 | 106.5 | 55.2 | 24.2 |      |    |    |    |
| 20  | 20.7 | 28.4 | 68.3 | 134.7 | 221.7 | 316.9 | 400.3 | 449.5 | 449.5 | 400.3 | 316.9 | 221.7 | 134.7 | 68.3 | 28.4 | 20.7 |    |    |    |
| 10  |      | 31.8 | 78.7 | 156.7 | 260.4 | 375.9 | 478.2 | 537.4 | 537.4 | 478.2 | 375.9 | 260.4 | 156.7 | 78.7 | 31.8 |      |    |    |    |
| 0   | 22.5 | 33.5 | 84.4 | 168.8 | 282.2 | 409.5 | 521.2 | 583.0 | 583.0 | 521.2 | 409.5 | 282.2 | 168.8 | 84.4 | 33.5 | 22.5 |    |    |    |
| -10 |      | 33.5 | 84.4 | 168.8 | 282.2 | 409.5 | 521.2 | 583.0 | 583.0 | 521.2 | 409.5 | 282.2 | 168.8 | 84.4 | 33.5 |      |    |    |    |
| -20 | 20.7 | 31.8 | 78.7 | 156.7 | 260.4 | 375.9 | 478.2 | 537.4 | 537.4 | 478.2 | 375.9 | 260.4 | 156.7 | 78.7 | 31.8 | 20.7 |    |    |    |
| -30 |      | 28.4 | 68.3 | 134.7 | 221.7 | 316.9 | 400.3 | 449.5 | 449.5 | 400.3 | 316.9 | 221.7 | 134.7 | 68.3 | 28.4 |      |    |    |    |
| -40 | 15.8 | 24.2 | 55.2 | 106.5 | 173.3 | 244.9 | 306.3 | 342.1 | 342.1 | 306.3 | 244.9 | 173.3 | 106.5 | 55.2 | 24.2 | 15.8 |    |    |    |
| -50 |      | 19.5 | 41.9 | 76.8  | 123.0 | 171.8 | 212.9 | 236.5 | 236.5 | 212.9 | 171.8 | 123.0 | 76.8  | 41.9 | 19.5 |      |    |    |    |
| -60 | 9.4  | 14.5 | 30.1 | 51.4  | 78.2  | 106.9 | 131.2 | 145.0 | 145.0 | 131.2 | 106.9 | 78.2  | 51.4  | 30.1 | 14.5 | 9.4  |    |    |    |
| -70 |      | 9.8  | 19.6 | 32.2  | 46.3  | 60.0  | 71.3  | 77.5  | 77.5  | 71.3  | 60.0  | 46.3  | 32.2  | 19.6 | 9.8  |      |    |    |    |
| -80 |      |      |      |       |       |       |       |       |       |       |       |       |       |      | -80  |      |    |    |    |
| -90 | 3.0  | 20.8 |      | 51.7  |       | 81.9  |       | 94.3  |       | 81.9  |       | 51.7  |       | 20.8 |      | 3.0  |    |    |    |
|     | -90  | -80  | -70  | -60   | -50   | -40   | -30   | -20   | -10   | 0     | 10    | 20    | 30    | 40   | 50   | 60   | 70 | 80 | 90 |

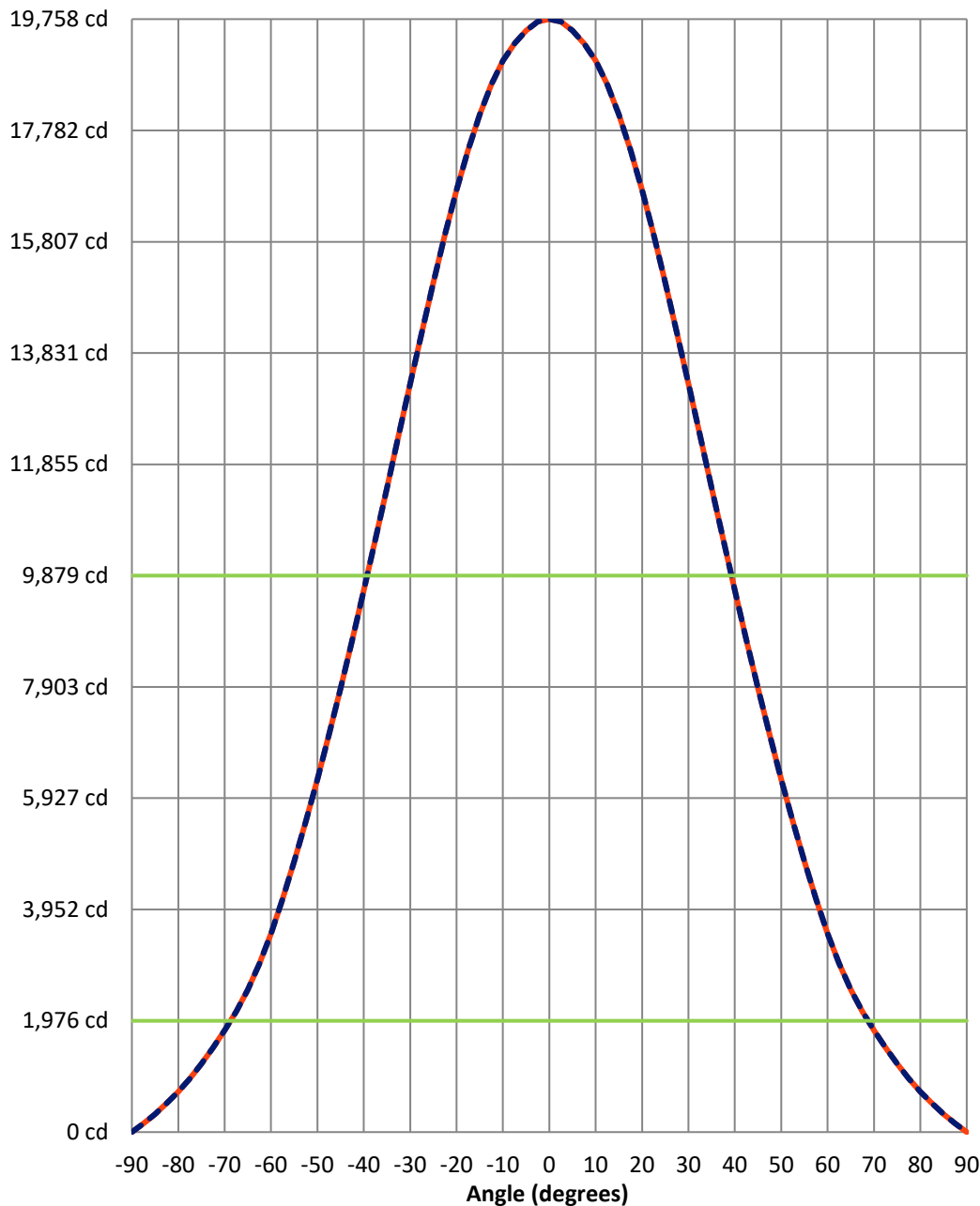
REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 78.6°  
 V Angle: 78.6°  
 Lumens: 20521.1  
 Efficiency: 57.7%

**Field:**  
 H Angle: 137.5°  
 V Angle: 137.5°  
 Lumens: 33601.6  
 Efficiency: 94.5%

**Spill:**  
 Lumens: 1966.6  
 Efficiency: 5.5%

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



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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  | 6.6    | 13.3  | 19.8   | 26.4  | 32.9   | 39.4   | 45.7   | 52.0   | 58.2   | 64.3   |
| 85°    | 0.0  | 13.3   | 26.5  | 39.7   | 52.8  | 65.8   | 78.6   | 91.4   | 103.9  | 116.3  | 128.4  |
| 82.5°  | 0.0  | 19.8   | 39.7  | 59.4   | 79.0  | 98.5   | 117.8  | 136.9  | 156.0  | 176.3  | 196.3  |
| 80°    | 0.0  | 26.4   | 52.8  | 79.0   | 105.1 | 131.0  | 157.2  | 185.0  | 212.5  | 239.6  | 266.2  |
| 77.5°  | 0.0  | 32.9   | 65.8  | 98.5   | 131.0 | 164.5  | 199.6  | 234.3  | 268.6  | 302.4  | 338.2  |
| 75°    | 0.0  | 39.4   | 78.6  | 117.8  | 157.2 | 199.6  | 241.6  | 283.2  | 325.1  | 371.8  | 417.7  |
| 72.5°  | 0.0  | 45.7   | 91.4  | 136.9  | 185.0 | 234.3  | 283.2  | 333.5  | 388.7  | 443.1  | 496.6  |
| 70°    | 0.0  | 52.0   | 103.9 | 156.0  | 212.5 | 268.6  | 325.1  | 388.7  | 451.5  | 513.6  | 578.0  |
| 67.5°  | 0.0  | 58.2   | 116.3 | 176.3  | 239.6 | 302.4  | 371.8  | 443.1  | 513.6  | 587.0  | 659.3  |
| 65°    | 0.0  | 64.3   | 128.4 | 196.3  | 266.2 | 338.2  | 417.7  | 496.6  | 578.0  | 659.3  | 742.8  |
| 62.5°  | 0.0  | 70.2   | 140.3 | 215.9  | 292.2 | 375.8  | 462.8  | 551.2  | 641.3  | 732.4  | 832.9  |
| 60°    | 0.0  | 76.0   | 152.0 | 235.0  | 317.7 | 412.6  | 506.9  | 605.5  | 703.3  | 812.2  | 921.4  |
| 57.5°  | 0.0  | 81.7   | 164.4 | 253.7  | 346.3 | 448.5  | 552.2  | 658.5  | 770.9  | 890.2  | 1015.3 |
| 55°    | 0.0  | 87.2   | 176.5 | 271.8  | 374.3 | 483.5  | 596.5  | 710.2  | 838.6  | 968.4  | 1110.5 |
| 52.5°  | 0.0  | 92.6   | 188.2 | 289.5  | 401.4 | 517.7  | 639.6  | 767.0  | 904.4  | 1051.9 | 1203.2 |
| 50°    | 0.0  | 97.7   | 199.6 | 306.5  | 427.7 | 552.5  | 681.3  | 822.8  | 970.6  | 1132.8 | 1300.0 |
| 47.5°  | 0.0  | 102.7  | 210.6 | 323.6  | 453.0 | 586.0  | 722.4  | 876.7  | 1040.1 | 1211.1 | 1394.5 |
| 45°    | 0.0  | 107.5  | 221.1 | 341.8  | 477.4 | 618.2  | 766.8  | 928.6  | 1107.1 | 1292.9 | 1485.7 |
| 42.5°  | 0.0  | 112.1  | 231.2 | 359.3  | 500.8 | 649.1  | 809.3  | 982.1  | 1171.3 | 1371.5 | 1579.1 |
| 40°    | 0.0  | 116.5  | 240.8 | 376.0  | 523.7 | 678.6  | 850.0  | 1035.7 | 1234.5 | 1446.7 | 1669.6 |
| 37.5°  | 0.0  | 120.7  | 249.9 | 391.8  | 546.0 | 706.6  | 888.7  | 1086.7 | 1297.9 | 1519.9 | 1755.8 |
| 35°    | 0.0  | 124.6  | 258.5 | 406.8  | 567.2 | 735.7  | 925.2  | 1134.9 | 1358.0 | 1593.2 | 1840.3 |
| 32.5°  | 0.0  | 128.3  | 266.6 | 420.9  | 587.1 | 764.2  | 960.9  | 1180.4 | 1414.6 | 1662.2 | 1924.0 |
| 30°    | 0.0  | 131.7  | 274.2 | 434.0  | 605.6 | 790.9  | 997.2  | 1223.7 | 1467.6 | 1726.8 | 2002.4 |
| 27.5°  | 0.0  | 134.9  | 281.2 | 446.2  | 622.9 | 815.7  | 1030.8 | 1266.6 | 1518.3 | 1787.0 | 2075.5 |
| 25°    | 0.0  | 137.8  | 287.7 | 457.4  | 638.7 | 838.5  | 1061.8 | 1306.0 | 1567.2 | 1845.5 | 2143.4 |
| 22.5°  | 0.0  | 140.5  | 293.5 | 467.6  | 653.2 | 859.3  | 1090.1 | 1342.0 | 1611.8 | 1900.4 | 2215.3 |
| 20°    | 0.0  | 142.9  | 298.8 | 476.8  | 666.2 | 878.0  | 1115.6 | 1374.4 | 1652.1 | 1950.0 | 2280.2 |
| 17.5°  | 0.0  | 145.1  | 303.5 | 485.0  | 677.7 | 894.6  | 1138.2 | 1403.2 | 1687.8 | 1994.0 | 2337.9 |
| 15°    | 0.0  | 146.9  | 307.6 | 492.1  | 687.7 | 909.1  | 1157.9 | 1428.3 | 1719.0 | 2032.4 | 2388.3 |
| 12.5°  | 0.0  | 148.5  | 311.1 | 498.1  | 696.3 | 921.4  | 1174.6 | 1449.6 | 1745.5 | 2065.1 | 2431.2 |
| 10°    | 0.0  | 149.8  | 313.9 | 503.1  | 703.3 | 931.5  | 1188.3 | 1467.2 | 1767.3 | 2092.0 | 2466.5 |
| 7.5°   | 0.0  | 150.8  | 316.1 | 506.9  | 708.8 | 939.3  | 1199.1 | 1480.9 | 1784.3 | 2113.0 | 2494.0 |
| 5°     | 0.0  | 151.5  | 317.7 | 509.7  | 712.7 | 945.0  | 1206.7 | 1490.6 | 1796.5 | 2128.0 | 2513.8 |
| 2.5°   | 0.0  | 152.0  | 318.7 | 511.3  | 715.0 | 948.4  | 1211.4 | 1496.5 | 1803.9 | 2137.1 | 2525.6 |
| 0°     | 0.0  | 152.1  | 319.0 | 511.9  | 715.8 | 949.5  | 1212.9 | 1498.5 | 1806.3 | 2140.1 | 2529.6 |
| -2.5°  | 0.0  | 152.0  | 318.7 | 511.3  | 715.0 | 948.4  | 1211.4 | 1496.5 | 1803.9 | 2137.1 | 2525.6 |
| -5°    | 0.0  | 151.5  | 317.7 | 509.7  | 712.7 | 945.0  | 1206.7 | 1490.6 | 1796.5 | 2128.0 | 2513.8 |
| -7.5°  | 0.0  | 150.8  | 316.1 | 506.9  | 708.8 | 939.3  | 1199.1 | 1480.9 | 1784.3 | 2113.0 | 2494.0 |
| -10°   | 0.0  | 149.8  | 313.9 | 503.1  | 703.3 | 931.5  | 1188.3 | 1467.2 | 1767.3 | 2092.0 | 2466.5 |
| -12.5° | 0.0  | 148.5  | 311.1 | 498.1  | 696.3 | 921.4  | 1174.6 | 1449.6 | 1745.5 | 2065.1 | 2431.2 |
| -15°   | 0.0  | 146.9  | 307.6 | 492.1  | 687.7 | 909.1  | 1157.9 | 1428.3 | 1719.0 | 2032.4 | 2388.3 |
| -17.5° | 0.0  | 145.1  | 303.5 | 485.0  | 677.7 | 894.6  | 1138.2 | 1403.2 | 1687.8 | 1994.0 | 2337.9 |
| -20°   | 0.0  | 142.9  | 298.8 | 476.8  | 666.2 | 878.0  | 1115.6 | 1374.4 | 1652.1 | 1950.0 | 2280.2 |

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Scaled Data Report



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CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

|        | -90° | -87.5° | -85°  | -82.5° | -80°  | -77.5° | -75°   | -72.5° | -70°   | -67.5° | -65°   |
|--------|------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| -22.5° | 0.0  | 140.5  | 293.5 | 467.6  | 653.2 | 859.3  | 1090.1 | 1342.0 | 1611.8 | 1900.4 | 2215.3 |
| -25°   | 0.0  | 137.8  | 287.7 | 457.4  | 638.7 | 838.5  | 1061.8 | 1306.0 | 1567.2 | 1845.5 | 2143.4 |
| -27.5° | 0.0  | 134.9  | 281.2 | 446.2  | 622.9 | 815.7  | 1030.8 | 1266.6 | 1518.3 | 1787.0 | 2075.5 |
| -30°   | 0.0  | 131.7  | 274.2 | 434.0  | 605.6 | 790.9  | 997.2  | 1223.7 | 1467.6 | 1726.8 | 2002.4 |
| -32.5° | 0.0  | 128.3  | 266.6 | 420.9  | 587.1 | 764.2  | 960.9  | 1180.4 | 1414.6 | 1662.2 | 1924.0 |
| -35°   | 0.0  | 124.6  | 258.5 | 406.8  | 567.2 | 735.7  | 925.2  | 1134.9 | 1358.0 | 1593.2 | 1840.3 |
| -37.5° | 0.0  | 120.7  | 249.9 | 391.8  | 546.0 | 706.6  | 888.7  | 1086.7 | 1297.9 | 1519.9 | 1755.8 |
| -40°   | 0.0  | 116.5  | 240.8 | 376.0  | 523.7 | 678.6  | 850.0  | 1035.7 | 1234.5 | 1446.7 | 1669.6 |
| -42.5° | 0.0  | 112.1  | 231.2 | 359.3  | 500.8 | 649.1  | 809.3  | 982.1  | 1171.3 | 1371.5 | 1579.1 |
| -45°   | 0.0  | 107.5  | 221.1 | 341.8  | 477.4 | 618.2  | 766.8  | 928.6  | 1107.1 | 1292.9 | 1485.7 |
| -47.5° | 0.0  | 102.7  | 210.6 | 323.6  | 453.0 | 586.0  | 722.4  | 876.7  | 1040.1 | 1211.1 | 1394.5 |
| -50°   | 0.0  | 97.7   | 199.6 | 306.5  | 427.7 | 552.5  | 681.3  | 822.8  | 970.6  | 1132.8 | 1300.0 |
| -52.5° | 0.0  | 92.6   | 188.2 | 289.5  | 401.4 | 517.7  | 639.6  | 767.0  | 904.4  | 1051.9 | 1203.2 |
| -55°   | 0.0  | 87.2   | 176.5 | 271.8  | 374.3 | 483.5  | 596.5  | 710.2  | 838.6  | 968.4  | 1110.5 |
| -57.5° | 0.0  | 81.7   | 164.4 | 253.7  | 346.3 | 448.5  | 552.2  | 658.5  | 770.9  | 890.2  | 1015.3 |
| -60°   | 0.0  | 76.0   | 152.0 | 235.0  | 317.7 | 412.6  | 506.9  | 605.5  | 703.3  | 812.2  | 921.4  |
| -62.5° | 0.0  | 70.2   | 140.3 | 215.9  | 292.2 | 375.8  | 462.8  | 551.2  | 641.3  | 732.4  | 832.9  |
| -65°   | 0.0  | 64.3   | 128.4 | 196.3  | 266.2 | 338.2  | 417.7  | 496.6  | 578.0  | 659.3  | 742.8  |
| -67.5° | 0.0  | 58.2   | 116.3 | 176.3  | 239.6 | 302.4  | 371.8  | 443.1  | 513.6  | 587.0  | 659.3  |
| -70°   | 0.0  | 52.0   | 103.9 | 156.0  | 212.5 | 268.6  | 325.1  | 388.7  | 451.5  | 513.6  | 578.0  |
| -72.5° | 0.0  | 45.7   | 91.4  | 136.9  | 185.0 | 234.3  | 283.2  | 333.5  | 388.7  | 443.1  | 496.6  |
| -75°   | 0.0  | 39.4   | 78.6  | 117.8  | 157.2 | 199.6  | 241.6  | 283.2  | 325.1  | 371.8  | 417.7  |
| -77.5° | 0.0  | 32.9   | 65.8  | 98.5   | 131.0 | 164.5  | 199.6  | 234.3  | 268.6  | 302.4  | 338.2  |
| -80°   | 0.0  | 26.4   | 52.8  | 79.0   | 105.1 | 131.0  | 157.2  | 185.0  | 212.5  | 239.6  | 266.2  |
| -82.5° | 0.0  | 19.8   | 39.7  | 59.4   | 79.0  | 98.5   | 117.8  | 136.9  | 156.0  | 176.3  | 196.3  |
| -85°   | 0.0  | 13.3   | 26.5  | 39.7   | 52.8  | 65.8   | 78.6   | 91.4   | 103.9  | 116.3  | 128.4  |
| -87.5° | 0.0  | 6.6    | 13.3  | 19.8   | 26.4  | 32.9   | 39.4   | 45.7   | 52.0   | 58.2   | 64.3   |
| -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: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**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°  | 70.2   | 76.0   | 81.7   | 87.2   | 92.6   | 97.7   | 102.7  | 107.5  | 112.1  | 116.5  | 120.7   |
| 85°    | 140.3  | 152.0  | 164.4  | 176.5  | 188.2  | 199.6  | 210.6  | 221.1  | 231.2  | 240.8  | 249.9   |
| 82.5°  | 215.9  | 235.0  | 253.7  | 271.8  | 289.5  | 306.5  | 323.6  | 341.8  | 359.3  | 376.0  | 391.8   |
| 80°    | 292.2  | 317.7  | 346.3  | 374.3  | 401.4  | 427.7  | 453.0  | 477.4  | 500.8  | 523.7  | 546.0   |
| 77.5°  | 375.8  | 412.6  | 448.5  | 483.5  | 517.7  | 552.5  | 586.0  | 618.2  | 649.1  | 678.6  | 706.6   |
| 75°    | 462.8  | 506.9  | 552.2  | 596.5  | 639.6  | 681.3  | 722.4  | 766.8  | 809.3  | 850.0  | 888.7   |
| 72.5°  | 551.2  | 605.5  | 658.5  | 710.2  | 767.0  | 822.8  | 876.7  | 928.6  | 982.1  | 1035.7 | 1086.7  |
| 70°    | 641.3  | 703.3  | 770.9  | 838.6  | 904.4  | 970.6  | 1040.1 | 1107.1 | 1171.3 | 1234.5 | 1297.9  |
| 67.5°  | 732.4  | 812.2  | 890.2  | 968.4  | 1051.9 | 1132.8 | 1211.1 | 1292.9 | 1371.5 | 1446.7 | 1519.9  |
| 65°    | 832.9  | 921.4  | 1015.3 | 1110.5 | 1203.2 | 1300.0 | 1394.5 | 1485.7 | 1579.1 | 1669.6 | 1755.8  |
| 62.5°  | 931.8  | 1038.9 | 1146.0 | 1253.8 | 1364.3 | 1471.8 | 1581.8 | 1690.2 | 1794.4 | 1901.8 | 2005.2  |
| 60°    | 1038.9 | 1157.9 | 1279.6 | 1403.2 | 1525.7 | 1652.1 | 1774.6 | 1900.4 | 2024.2 | 2143.4 | 2275.7  |
| 57.5°  | 1146.0 | 1279.6 | 1416.2 | 1553.9 | 1694.5 | 1833.6 | 1977.8 | 2117.3 | 2270.5 | 2421.3 | 2572.1  |
| 55°    | 1253.8 | 1403.2 | 1553.9 | 1708.7 | 1864.6 | 2024.6 | 2186.7 | 2362.5 | 2532.7 | 2725.5 | 2910.0  |
| 52.5°  | 1364.3 | 1525.7 | 1694.5 | 1864.6 | 2040.2 | 2223.6 | 2418.2 | 2621.0 | 2836.5 | 3052.9 | 3284.1  |
| 50°    | 1471.8 | 1652.1 | 1833.6 | 2024.6 | 2223.6 | 2436.8 | 2665.4 | 2903.8 | 3158.0 | 3416.5 | 3686.4  |
| 47.5°  | 1581.8 | 1774.6 | 1977.8 | 2186.7 | 2418.2 | 2665.4 | 2926.3 | 3210.9 | 3496.7 | 3811.0 | 4117.3  |
| 45°    | 1690.2 | 1900.4 | 2117.3 | 2362.5 | 2621.0 | 2903.8 | 3210.9 | 3523.6 | 3873.8 | 4218.8 | 4573.0  |
| 42.5°  | 1794.4 | 2024.2 | 2270.5 | 2532.7 | 2836.5 | 3158.0 | 3496.7 | 3873.8 | 4253.5 | 4643.3 | 5032.9  |
| 40°    | 1901.8 | 2143.4 | 2421.3 | 2725.5 | 3052.9 | 3416.5 | 3811.0 | 4218.8 | 4643.3 | 5071.0 | 5494.6  |
| 37.5°  | 2005.2 | 2275.7 | 2572.1 | 2910.0 | 3284.1 | 3686.4 | 4117.3 | 4573.0 | 5032.9 | 5494.6 | 5964.7  |
| 35°    | 2103.4 | 2401.6 | 2734.2 | 3101.5 | 3504.8 | 3960.0 | 4433.4 | 4919.2 | 5417.0 | 5922.9 | 6430.7  |
| 32.5°  | 2205.4 | 2520.5 | 2887.6 | 3295.1 | 3743.3 | 4226.9 | 4736.2 | 5263.2 | 5798.3 | 6339.5 | 6898.2  |
| 30°    | 2307.0 | 2650.8 | 3038.8 | 3477.5 | 3971.0 | 4493.4 | 5036.0 | 5593.3 | 6165.5 | 6758.7 | 7352.8  |
| 27.5°  | 2401.6 | 2773.9 | 3195.2 | 3666.9 | 4187.9 | 4743.2 | 5321.7 | 5916.4 | 6529.4 | 7157.9 | 7788.1  |
| 25°    | 2488.9 | 2887.6 | 3340.1 | 3849.0 | 4402.5 | 4985.7 | 5591.6 | 6217.9 | 6876.0 | 7540.0 | 8210.3  |
| 22.5°  | 2576.0 | 2992.1 | 3472.8 | 4016.1 | 4599.5 | 5212.5 | 5849.6 | 6512.7 | 7200.6 | 7895.3 | 8606.7  |
| 20°    | 2661.2 | 3101.5 | 3603.5 | 4169.9 | 4778.4 | 5418.6 | 6084.6 | 6784.4 | 7502.0 | 8233.5 | 8980.3  |
| 17.5°  | 2737.1 | 3199.0 | 3727.0 | 4316.5 | 4946.3 | 5607.7 | 6297.5 | 7028.3 | 7773.3 | 8538.6 | 9322.7  |
| 15°    | 2803.4 | 3284.1 | 3835.1 | 4444.8 | 5095.0 | 5778.1 | 6495.5 | 7248.3 | 8018.1 | 8811.4 | 9626.5  |
| 12.5°  | 2859.9 | 3356.7 | 3927.2 | 4554.4 | 5222.1 | 5923.8 | 6665.2 | 7437.8 | 8232.2 | 9052.9 | 9894.2  |
| 10°    | 2906.3 | 3416.5 | 4003.1 | 4644.7 | 5326.9 | 6044.2 | 6805.5 | 7594.7 | 8409.8 | 9253.6 | 10117.1 |
| 7.5°   | 2942.6 | 3463.2 | 4062.5 | 4715.4 | 5409.1 | 6138.6 | 6915.5 | 7718.0 | 8549.5 | 9411.7 | 10293.0 |
| 5°     | 2968.6 | 3496.7 | 4105.1 | 4766.2 | 5468.0 | 6206.4 | 6994.7 | 7806.6 | 8650.1 | 9525.7 | 10420.1 |
| 2.5°   | 2984.3 | 3516.9 | 4130.7 | 4796.7 | 5503.5 | 6247.3 | 7042.4 | 7860.1 | 8710.8 | 9594.6 | 10496.9 |
| 0°     | 2989.5 | 3523.6 | 4139.3 | 4806.9 | 5515.4 | 6260.9 | 7058.3 | 7878.0 | 8731.1 | 9617.6 | 10522.6 |
| -2.5°  | 2984.3 | 3516.9 | 4130.7 | 4796.7 | 5503.5 | 6247.3 | 7042.4 | 7860.1 | 8710.8 | 9594.6 | 10496.9 |
| -5°    | 2968.6 | 3496.7 | 4105.1 | 4766.2 | 5468.0 | 6206.4 | 6994.7 | 7806.6 | 8650.1 | 9525.7 | 10420.1 |
| -7.5°  | 2942.6 | 3463.2 | 4062.5 | 4715.4 | 5409.1 | 6138.6 | 6915.5 | 7718.0 | 8549.5 | 9411.7 | 10293.0 |
| -10°   | 2906.3 | 3416.5 | 4003.1 | 4644.7 | 5326.9 | 6044.2 | 6805.5 | 7594.7 | 8409.8 | 9253.6 | 10117.1 |
| -12.5° | 2859.9 | 3356.7 | 3927.2 | 4554.4 | 5222.1 | 5923.8 | 6665.2 | 7437.8 | 8232.2 | 9052.9 | 9894.2  |
| -15°   | 2803.4 | 3284.1 | 3835.1 | 4444.8 | 5095.0 | 5778.1 | 6495.5 | 7248.3 | 8018.1 | 8811.4 | 9626.5  |
| -17.5° | 2737.1 | 3199.0 | 3727.0 | 4316.5 | 4946.3 | 5607.7 | 6297.5 | 7028.3 | 7773.3 | 8538.6 | 9322.7  |
| -20°   | 2661.2 | 3101.5 | 3603.5 | 4169.9 | 4778.4 | 5418.6 | 6084.6 | 6784.4 | 7502.0 | 8233.5 | 8980.3  |



REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60°   | -57.5° | -55°   | -52.5° | -50°   | -47.5° | -45°   | -42.5° | -40°   | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 2576.0 | 2992.1 | 3472.8 | 4016.1 | 4599.5 | 5212.5 | 5849.6 | 6512.7 | 7200.6 | 7895.3 | 8606.7 |
| -25°   | 2488.9 | 2887.6 | 3340.1 | 3849.0 | 4402.5 | 4985.7 | 5591.6 | 6217.9 | 6876.0 | 7540.0 | 8210.3 |
| -27.5° | 2401.6 | 2773.9 | 3195.2 | 3666.9 | 4187.9 | 4743.2 | 5321.7 | 5916.4 | 6529.4 | 7157.9 | 7788.1 |
| -30°   | 2307.0 | 2650.8 | 3038.8 | 3477.5 | 3971.0 | 4493.4 | 5036.0 | 5593.3 | 6165.5 | 6758.7 | 7352.8 |
| -32.5° | 2205.4 | 2520.5 | 2887.6 | 3295.1 | 3743.3 | 4226.9 | 4736.2 | 5263.2 | 5798.3 | 6339.5 | 6898.2 |
| -35°   | 2103.4 | 2401.6 | 2734.2 | 3101.5 | 3504.8 | 3960.0 | 4433.4 | 4919.2 | 5417.0 | 5922.9 | 6430.7 |
| -37.5° | 2005.2 | 2275.7 | 2572.1 | 2910.0 | 3284.1 | 3686.4 | 4117.3 | 4573.0 | 5032.9 | 5494.6 | 5964.7 |
| -40°   | 1901.8 | 2143.4 | 2421.3 | 2725.5 | 3052.9 | 3416.5 | 3811.0 | 4218.8 | 4643.3 | 5071.0 | 5494.6 |
| -42.5° | 1794.4 | 2024.2 | 2270.5 | 2532.7 | 2836.5 | 3158.0 | 3496.7 | 3873.8 | 4253.5 | 4643.3 | 5032.9 |
| -45°   | 1690.2 | 1900.4 | 2117.3 | 2362.5 | 2621.0 | 2903.8 | 3210.9 | 3523.6 | 3873.8 | 4218.8 | 4573.0 |
| -47.5° | 1581.8 | 1774.6 | 1977.8 | 2186.7 | 2418.2 | 2665.4 | 2926.3 | 3210.9 | 3496.7 | 3811.0 | 4117.3 |
| -50°   | 1471.8 | 1652.1 | 1833.6 | 2024.6 | 2223.6 | 2436.8 | 2665.4 | 2903.8 | 3158.0 | 3416.5 | 3686.4 |
| -52.5° | 1364.3 | 1525.7 | 1694.5 | 1864.6 | 2040.2 | 2223.6 | 2418.2 | 2621.0 | 2836.5 | 3052.9 | 3284.1 |
| -55°   | 1253.8 | 1403.2 | 1553.9 | 1708.7 | 1864.6 | 2024.6 | 2186.7 | 2362.5 | 2532.7 | 2725.5 | 2910.0 |
| -57.5° | 1146.0 | 1279.6 | 1416.2 | 1553.9 | 1694.5 | 1833.6 | 1977.8 | 2117.3 | 2270.5 | 2421.3 | 2572.1 |
| -60°   | 1038.9 | 1157.9 | 1279.6 | 1403.2 | 1525.7 | 1652.1 | 1774.6 | 1900.4 | 2024.2 | 2143.4 | 2275.7 |
| -62.5° | 931.8  | 1038.9 | 1146.0 | 1253.8 | 1364.3 | 1471.8 | 1581.8 | 1690.2 | 1794.4 | 1901.8 | 2005.2 |
| -65°   | 832.9  | 921.4  | 1015.3 | 1110.5 | 1203.2 | 1300.0 | 1394.5 | 1485.7 | 1579.1 | 1669.6 | 1755.8 |
| -67.5° | 732.4  | 812.2  | 890.2  | 968.4  | 1051.9 | 1132.8 | 1211.1 | 1292.9 | 1371.5 | 1446.7 | 1519.9 |
| -70°   | 641.3  | 703.3  | 770.9  | 838.6  | 904.4  | 970.6  | 1040.1 | 1107.1 | 1171.3 | 1234.5 | 1297.9 |
| -72.5° | 551.2  | 605.5  | 658.5  | 710.2  | 767.0  | 822.8  | 876.7  | 928.6  | 982.1  | 1035.7 | 1086.7 |
| -75°   | 462.8  | 506.9  | 552.2  | 596.5  | 639.6  | 681.3  | 722.4  | 766.8  | 809.3  | 850.0  | 888.7  |
| -77.5° | 375.8  | 412.6  | 448.5  | 483.5  | 517.7  | 552.5  | 586.0  | 618.2  | 649.1  | 678.6  | 706.6  |
| -80°   | 292.2  | 317.7  | 346.3  | 374.3  | 401.4  | 427.7  | 453.0  | 477.4  | 500.8  | 523.7  | 546.0  |
| -82.5° | 215.9  | 235.0  | 253.7  | 271.8  | 289.5  | 306.5  | 323.6  | 341.8  | 359.3  | 376.0  | 391.8  |
| -85°   | 140.3  | 152.0  | 164.4  | 176.5  | 188.2  | 199.6  | 210.6  | 221.1  | 231.2  | 240.8  | 249.9  |
| -87.5° | 70.2   | 76.0   | 81.7   | 87.2   | 92.6   | 97.7   | 102.7  | 107.5  | 112.1  | 116.5  | 120.7  |
| -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: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**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°  | 124.6   | 128.3   | 131.7   | 134.9   | 137.8   | 140.5   | 142.9   | 145.1   | 146.9   | 148.5   | 149.8   |
| 85°    | 258.5   | 266.6   | 274.2   | 281.2   | 287.7   | 293.5   | 298.8   | 303.5   | 307.6   | 311.1   | 313.9   |
| 82.5°  | 406.8   | 420.9   | 434.0   | 446.2   | 457.4   | 467.6   | 476.8   | 485.0   | 492.1   | 498.1   | 503.1   |
| 80°    | 567.2   | 587.1   | 605.6   | 622.9   | 638.7   | 653.2   | 666.2   | 677.7   | 687.7   | 696.3   | 703.3   |
| 77.5°  | 735.7   | 764.2   | 790.9   | 815.7   | 838.5   | 859.3   | 878.0   | 894.6   | 909.1   | 921.4   | 931.5   |
| 75°    | 925.2   | 960.9   | 997.2   | 1030.8  | 1061.8  | 1090.1  | 1115.6  | 1138.2  | 1157.9  | 1174.6  | 1188.3  |
| 72.5°  | 1134.9  | 1180.4  | 1223.7  | 1266.6  | 1306.0  | 1342.0  | 1374.4  | 1403.2  | 1428.3  | 1449.6  | 1467.2  |
| 70°    | 1358.0  | 1414.6  | 1467.6  | 1518.3  | 1567.2  | 1611.8  | 1652.1  | 1687.8  | 1719.0  | 1745.5  | 1767.3  |
| 67.5°  | 1593.2  | 1662.2  | 1726.8  | 1787.0  | 1845.5  | 1900.4  | 1950.0  | 1994.0  | 2032.4  | 2065.1  | 2092.0  |
| 65°    | 1840.3  | 1924.0  | 2002.4  | 2075.5  | 2143.4  | 2215.3  | 2280.2  | 2337.9  | 2388.3  | 2431.2  | 2466.5  |
| 62.5°  | 2103.4  | 2205.4  | 2307.0  | 2401.6  | 2488.9  | 2576.0  | 2661.2  | 2737.1  | 2803.4  | 2859.9  | 2906.3  |
| 60°    | 2401.6  | 2520.5  | 2650.8  | 2773.9  | 2887.6  | 2992.1  | 3101.5  | 3199.0  | 3284.1  | 3356.7  | 3416.5  |
| 57.5°  | 2734.2  | 2887.6  | 3038.8  | 3195.2  | 3340.1  | 3472.8  | 3603.5  | 3727.0  | 3835.1  | 3927.2  | 4003.1  |
| 55°    | 3101.5  | 3295.1  | 3477.5  | 3666.9  | 3849.0  | 4016.1  | 4169.9  | 4316.5  | 4444.8  | 4554.4  | 4644.7  |
| 52.5°  | 3504.8  | 3743.3  | 3971.0  | 4187.9  | 4402.5  | 4599.5  | 4778.4  | 4946.3  | 5095.0  | 5222.1  | 5326.9  |
| 50°    | 3960.0  | 4226.9  | 4493.4  | 4743.2  | 4985.7  | 5212.5  | 5418.6  | 5607.7  | 5778.1  | 5923.8  | 6044.2  |
| 47.5°  | 4433.4  | 4736.2  | 5036.0  | 5321.7  | 5591.6  | 5849.6  | 6084.6  | 6297.5  | 6495.5  | 6665.2  | 6805.5  |
| 45°    | 4919.2  | 5263.2  | 5593.3  | 5916.4  | 6217.9  | 6512.7  | 6784.4  | 7028.3  | 7248.3  | 7437.8  | 7594.7  |
| 42.5°  | 5417.0  | 5798.3  | 6165.5  | 6529.4  | 6876.0  | 7200.6  | 7502.0  | 7773.3  | 8018.1  | 8232.2  | 8409.8  |
| 40°    | 5922.9  | 6339.5  | 6758.7  | 7157.9  | 7540.0  | 7895.3  | 8233.5  | 8538.6  | 8811.4  | 9052.9  | 9253.6  |
| 37.5°  | 6430.7  | 6898.2  | 7352.8  | 7788.1  | 8210.3  | 8606.7  | 8980.3  | 9322.7  | 9626.5  | 9894.2  | 10117.1 |
| 35°    | 6945.1  | 7451.3  | 7941.7  | 8424.6  | 8885.9  | 9327.8  | 9737.6  | 10115.1 | 10450.8 | 10743.3 | 10988.1 |
| 32.5°  | 7451.3  | 7994.5  | 8533.1  | 9059.4  | 9564.8  | 10047.2 | 10494.5 | 10905.1 | 11271.9 | 11593.9 | 11866.3 |
| 30°    | 7941.7  | 8533.1  | 9117.7  | 9686.4  | 10236.7 | 10756.2 | 11241.1 | 11689.8 | 12095.7 | 12448.9 | 12743.1 |
| 27.5°  | 8424.6  | 9059.4  | 9686.4  | 10300.5 | 10889.2 | 11447.6 | 11979.4 | 12467.0 | 12902.3 | 13284.1 | 13601.5 |
| 25°    | 8885.9  | 9564.8  | 10236.7 | 10889.2 | 11518.6 | 12127.0 | 12694.1 | 13215.8 | 13682.4 | 14093.1 | 14438.0 |
| 22.5°  | 9327.8  | 10047.2 | 10756.2 | 11447.6 | 12127.0 | 12770.8 | 13374.8 | 13929.4 | 14431.7 | 14874.3 | 15246.1 |
| 20°    | 9737.6  | 10494.5 | 11241.1 | 11979.4 | 12694.1 | 13374.8 | 14013.2 | 14605.0 | 15144.4 | 15610.4 | 16007.2 |
| 17.5°  | 10115.1 | 10905.1 | 11689.8 | 12467.0 | 13215.8 | 13929.4 | 14605.0 | 15233.5 | 15799.3 | 16284.4 | 16699.5 |
| 15°    | 10450.8 | 11271.9 | 12095.7 | 12902.3 | 13682.4 | 14431.7 | 15144.4 | 15799.3 | 16379.5 | 16885.5 | 17304.2 |
| 12.5°  | 10743.3 | 11593.9 | 12448.9 | 13284.1 | 14093.1 | 14874.3 | 15610.4 | 16284.4 | 16885.5 | 17405.8 | 17822.9 |
| 10°    | 10988.1 | 11866.3 | 12743.1 | 13601.5 | 14438.0 | 15246.1 | 16007.2 | 16699.5 | 17304.2 | 17822.9 | 18254.1 |
| 7.5°   | 11181.7 | 12082.4 | 12977.3 | 13855.2 | 14713.8 | 15539.9 | 16311.4 | 17010.9 | 17628.9 | 18160.0 | 18601.1 |
| 5°     | 11321.8 | 12239.1 | 13147.6 | 14040.3 | 14916.0 | 15756.4 | 16537.4 | 17242.9 | 17864.2 | 18394.6 | 18822.4 |
| 2.5°   | 11406.6 | 12334.2 | 13251.1 | 14153.0 | 15039.5 | 15889.3 | 16676.9 | 17387.3 | 18012.4 | 18545.1 | 18968.6 |
| 0°     | 11435.0 | 12366.0 | 13285.8 | 14190.9 | 15081.0 | 15934.1 | 16724.1 | 17436.3 | 18063.1 | 18597.2 | 19020.1 |
| -2.5°  | 11406.6 | 12334.2 | 13251.1 | 14153.0 | 15039.5 | 15889.3 | 16676.9 | 17387.3 | 18012.4 | 18545.1 | 18968.6 |
| -5°    | 11321.8 | 12239.1 | 13147.6 | 14040.3 | 14916.0 | 15756.4 | 16537.4 | 17242.9 | 17864.2 | 18394.6 | 18822.4 |
| -7.5°  | 11181.7 | 12082.4 | 12977.3 | 13855.2 | 14713.8 | 15539.9 | 16311.4 | 17010.9 | 17628.9 | 18160.0 | 18601.1 |
| -10°   | 10988.1 | 11866.3 | 12743.1 | 13601.5 | 14438.0 | 15246.1 | 16007.2 | 16699.5 | 17304.2 | 17822.9 | 18254.1 |
| -12.5° | 10743.3 | 11593.9 | 12448.9 | 13284.1 | 14093.1 | 14874.3 | 15610.4 | 16284.4 | 16885.5 | 17405.8 | 17822.9 |
| -15°   | 10450.8 | 11271.9 | 12095.7 | 12902.3 | 13682.4 | 14431.7 | 15144.4 | 15799.3 | 16379.5 | 16885.5 | 17304.2 |
| -17.5° | 10115.1 | 10905.1 | 11689.8 | 12467.0 | 13215.8 | 13929.4 | 14605.0 | 15233.5 | 15799.3 | 16284.4 | 16699.5 |
| -20°   | 9737.6  | 10494.5 | 11241.1 | 11979.4 | 12694.1 | 13374.8 | 14013.2 | 14605.0 | 15144.4 | 15610.4 | 16007.2 |



REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

|        | -35°   | -32.5°  | -30°    | -27.5°  | -25°    | -22.5°  | -20°    | -17.5°  | -15°    | -12.5°  | -10°    |
|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 9327.8 | 10047.2 | 10756.2 | 11447.6 | 12127.0 | 12770.8 | 13374.8 | 13929.4 | 14431.7 | 14874.3 | 15246.1 |
| -25°   | 8885.9 | 9564.8  | 10236.7 | 10889.2 | 11518.6 | 12127.0 | 12694.1 | 13215.8 | 13682.4 | 14093.1 | 14438.0 |
| -27.5° | 8424.6 | 9059.4  | 9686.4  | 10300.5 | 10889.2 | 11447.6 | 11979.4 | 12467.0 | 12902.3 | 13284.1 | 13601.5 |
| -30°   | 7941.7 | 8533.1  | 9117.7  | 9686.4  | 10236.7 | 10756.2 | 11241.1 | 11689.8 | 12095.7 | 12448.9 | 12743.1 |
| -32.5° | 7451.3 | 7994.5  | 8533.1  | 9059.4  | 9564.8  | 10047.2 | 10494.5 | 10905.1 | 11271.9 | 11593.9 | 11866.3 |
| -35°   | 6945.1 | 7451.3  | 7941.7  | 8424.6  | 8885.9  | 9327.8  | 9737.6  | 10115.1 | 10450.8 | 10743.3 | 10988.1 |
| -37.5° | 6430.7 | 6898.2  | 7352.8  | 7788.1  | 8210.3  | 8606.7  | 8980.3  | 9322.7  | 9626.5  | 9894.2  | 10117.1 |
| -40°   | 5922.9 | 6339.5  | 6758.7  | 7157.9  | 7540.0  | 7895.3  | 8233.5  | 8538.6  | 8811.4  | 9052.9  | 9253.6  |
| -42.5° | 5417.0 | 5798.3  | 6165.5  | 6529.4  | 6876.0  | 7200.6  | 7502.0  | 7773.3  | 8018.1  | 8232.2  | 8409.8  |
| -45°   | 4919.2 | 5263.2  | 5593.3  | 5916.4  | 6217.9  | 6512.7  | 6784.4  | 7028.3  | 7248.3  | 7437.8  | 7594.7  |
| -47.5° | 4433.4 | 4736.2  | 5036.0  | 5321.7  | 5591.6  | 5849.6  | 6084.6  | 6297.5  | 6495.5  | 6665.2  | 6805.5  |
| -50°   | 3960.0 | 4226.9  | 4493.4  | 4743.2  | 4985.7  | 5212.5  | 5418.6  | 5607.7  | 5778.1  | 5923.8  | 6044.2  |
| -52.5° | 3504.8 | 3743.3  | 3971.0  | 4187.9  | 4402.5  | 4599.5  | 4778.4  | 4946.3  | 5095.0  | 5222.1  | 5326.9  |
| -55°   | 3101.5 | 3295.1  | 3477.5  | 3666.9  | 3849.0  | 4016.1  | 4169.9  | 4316.5  | 4444.8  | 4554.4  | 4644.7  |
| -57.5° | 2734.2 | 2887.6  | 3038.8  | 3195.2  | 3340.1  | 3472.8  | 3603.5  | 3727.0  | 3835.1  | 3927.2  | 4003.1  |
| -60°   | 2401.6 | 2520.5  | 2650.8  | 2773.9  | 2887.6  | 2992.1  | 3101.5  | 3199.0  | 3284.1  | 3356.7  | 3416.5  |
| -62.5° | 2103.4 | 2205.4  | 2307.0  | 2401.6  | 2488.9  | 2576.0  | 2661.2  | 2737.1  | 2803.4  | 2859.9  | 2906.3  |
| -65°   | 1840.3 | 1924.0  | 2002.4  | 2075.5  | 2143.4  | 2215.3  | 2280.2  | 2337.9  | 2388.3  | 2431.2  | 2466.5  |
| -67.5° | 1593.2 | 1662.2  | 1726.8  | 1787.0  | 1845.5  | 1900.4  | 1950.0  | 1994.0  | 2032.4  | 2065.1  | 2092.0  |
| -70°   | 1358.0 | 1414.6  | 1467.6  | 1518.3  | 1567.2  | 1611.8  | 1652.1  | 1687.8  | 1719.0  | 1745.5  | 1767.3  |
| -72.5° | 1134.9 | 1180.4  | 1223.7  | 1266.6  | 1306.0  | 1342.0  | 1374.4  | 1403.2  | 1428.3  | 1449.6  | 1467.2  |
| -75°   | 925.2  | 960.9   | 997.2   | 1030.8  | 1061.8  | 1090.1  | 1115.6  | 1138.2  | 1157.9  | 1174.6  | 1188.3  |
| -77.5° | 735.7  | 764.2   | 790.9   | 815.7   | 838.5   | 859.3   | 878.0   | 894.6   | 909.1   | 921.4   | 931.5   |
| -80°   | 567.2  | 587.1   | 605.6   | 622.9   | 638.7   | 653.2   | 666.2   | 677.7   | 687.7   | 696.3   | 703.3   |
| -82.5° | 406.8  | 420.9   | 434.0   | 446.2   | 457.4   | 467.6   | 476.8   | 485.0   | 492.1   | 498.1   | 503.1   |
| -85°   | 258.5  | 266.6   | 274.2   | 281.2   | 287.7   | 293.5   | 298.8   | 303.5   | 307.6   | 311.1   | 313.9   |
| -87.5° | 124.6  | 128.3   | 131.7   | 134.9   | 137.8   | 140.5   | 142.9   | 145.1   | 146.9   | 148.5   | 149.8   |
| -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: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**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°  | 150.8   | 151.5   | 152.0   | 152.1   | 152.0   | 151.5   | 150.8   | 149.8   | 148.5   | 146.9   | 145.1   |
| 85°    | 316.1   | 317.7   | 318.7   | 319.0   | 318.7   | 317.7   | 316.1   | 313.9   | 311.1   | 307.6   | 303.5   |
| 82.5°  | 506.9   | 509.7   | 511.3   | 511.9   | 511.3   | 509.7   | 506.9   | 503.1   | 498.1   | 492.1   | 485.0   |
| 80°    | 708.8   | 712.7   | 715.0   | 715.8   | 715.0   | 712.7   | 708.8   | 703.3   | 696.3   | 687.7   | 677.7   |
| 77.5°  | 939.3   | 945.0   | 948.4   | 949.5   | 948.4   | 945.0   | 939.3   | 931.5   | 921.4   | 909.1   | 894.6   |
| 75°    | 1199.1  | 1206.7  | 1211.4  | 1212.9  | 1211.4  | 1206.7  | 1199.1  | 1188.3  | 1174.6  | 1157.9  | 1138.2  |
| 72.5°  | 1480.9  | 1490.6  | 1496.5  | 1498.5  | 1496.5  | 1490.6  | 1480.9  | 1467.2  | 1449.6  | 1428.3  | 1403.2  |
| 70°    | 1784.3  | 1796.5  | 1803.9  | 1806.3  | 1803.9  | 1796.5  | 1784.3  | 1767.3  | 1745.5  | 1719.0  | 1687.8  |
| 67.5°  | 2113.0  | 2128.0  | 2137.1  | 2140.1  | 2137.1  | 2128.0  | 2113.0  | 2092.0  | 2065.1  | 2032.4  | 1994.0  |
| 65°    | 2494.0  | 2513.8  | 2525.6  | 2529.6  | 2525.6  | 2513.8  | 2494.0  | 2466.5  | 2431.2  | 2388.3  | 2337.9  |
| 62.5°  | 2942.6  | 2968.6  | 2984.3  | 2989.5  | 2984.3  | 2968.6  | 2942.6  | 2906.3  | 2859.9  | 2803.4  | 2737.1  |
| 60°    | 3463.2  | 3496.7  | 3516.9  | 3523.6  | 3516.9  | 3496.7  | 3463.2  | 3416.5  | 3356.7  | 3284.1  | 3199.0  |
| 57.5°  | 4062.5  | 4105.1  | 4130.7  | 4139.3  | 4130.7  | 4105.1  | 4062.5  | 4003.1  | 3927.2  | 3835.1  | 3727.0  |
| 55°    | 4715.4  | 4766.2  | 4796.7  | 4806.9  | 4796.7  | 4766.2  | 4715.4  | 4644.7  | 4554.4  | 4444.8  | 4316.5  |
| 52.5°  | 5409.1  | 5468.0  | 5503.5  | 5515.4  | 5503.5  | 5468.0  | 5409.1  | 5326.9  | 5222.1  | 5095.0  | 4946.3  |
| 50°    | 6138.6  | 6206.4  | 6247.3  | 6260.9  | 6247.3  | 6206.4  | 6138.6  | 6044.2  | 5923.8  | 5778.1  | 5607.7  |
| 47.5°  | 6915.5  | 6994.7  | 7042.4  | 7058.3  | 7042.4  | 6994.7  | 6915.5  | 6805.5  | 6665.2  | 6495.5  | 6297.5  |
| 45°    | 7718.0  | 7806.6  | 7860.1  | 7878.0  | 7860.1  | 7806.6  | 7718.0  | 7594.7  | 7437.8  | 7248.3  | 7028.3  |
| 42.5°  | 8549.5  | 8650.1  | 8710.8  | 8731.1  | 8710.8  | 8650.1  | 8549.5  | 8409.8  | 8232.2  | 8018.1  | 7773.3  |
| 40°    | 9411.7  | 9525.7  | 9594.6  | 9617.6  | 9594.6  | 9525.7  | 9411.7  | 9253.6  | 9052.9  | 8811.4  | 8538.6  |
| 37.5°  | 10293.0 | 10420.1 | 10496.9 | 10522.6 | 10496.9 | 10420.1 | 10293.0 | 10117.1 | 9894.2  | 9626.5  | 9322.7  |
| 35°    | 11181.7 | 11321.8 | 11406.6 | 11435.0 | 11406.6 | 11321.8 | 11181.7 | 10988.1 | 10743.3 | 10450.8 | 10115.1 |
| 32.5°  | 12082.4 | 12239.1 | 12334.2 | 12366.0 | 12334.2 | 12239.1 | 12082.4 | 11866.3 | 11593.9 | 11271.9 | 10905.1 |
| 30°    | 12977.3 | 13147.6 | 13251.1 | 13285.8 | 13251.1 | 13147.6 | 12977.3 | 12743.1 | 12448.9 | 12095.7 | 11689.8 |
| 27.5°  | 13855.2 | 14040.3 | 14153.0 | 14190.9 | 14153.0 | 14040.3 | 13855.2 | 13601.5 | 13284.1 | 12902.3 | 12467.0 |
| 25°    | 14713.8 | 14916.0 | 15039.5 | 15081.0 | 15039.5 | 14916.0 | 14713.8 | 14438.0 | 14093.1 | 13682.4 | 13215.8 |
| 22.5°  | 15539.9 | 15756.4 | 15889.3 | 15934.1 | 15889.3 | 15756.4 | 15539.9 | 15246.1 | 14874.3 | 14431.7 | 13929.4 |
| 20°    | 16311.4 | 16537.4 | 16676.9 | 16724.1 | 16676.9 | 16537.4 | 16311.4 | 16007.2 | 15610.4 | 15144.4 | 14605.0 |
| 17.5°  | 17010.9 | 17242.9 | 17387.3 | 17436.3 | 17387.3 | 17242.9 | 17010.9 | 16699.5 | 16284.4 | 15799.3 | 15233.5 |
| 15°    | 17628.9 | 17864.2 | 18012.4 | 18063.1 | 18012.4 | 17864.2 | 17628.9 | 17304.2 | 16885.5 | 16379.5 | 15799.3 |
| 12.5°  | 18160.0 | 18394.6 | 18545.1 | 18597.2 | 18545.1 | 18394.6 | 18160.0 | 17822.9 | 17405.8 | 16885.5 | 16284.4 |
| 10°    | 18601.1 | 18822.4 | 18968.6 | 19020.1 | 18968.6 | 18822.4 | 18601.1 | 18254.1 | 17822.9 | 17304.2 | 16699.5 |
| 7.5°   | 18920.1 | 19141.0 | 19275.1 | 19324.2 | 19275.1 | 19141.0 | 18920.1 | 18601.1 | 18160.0 | 17628.9 | 17010.9 |
| 5°     | 19141.0 | 19364.1 | 19500.0 | 19554.2 | 19500.0 | 19364.1 | 19141.0 | 18822.4 | 18394.6 | 17864.2 | 17242.9 |
| 2.5°   | 19275.1 | 19500.0 | 19647.6 | 19713.6 | 19647.6 | 19500.0 | 19275.1 | 18968.6 | 18545.1 | 18012.4 | 17387.3 |
| 0°     | 19324.2 | 19554.2 | 19713.6 | 19758.2 | 19713.6 | 19554.2 | 19324.2 | 19020.1 | 18597.2 | 18063.1 | 17436.3 |
| -2.5°  | 19275.1 | 19500.0 | 19647.6 | 19713.6 | 19647.6 | 19500.0 | 19275.1 | 18968.6 | 18545.1 | 18012.4 | 17387.3 |
| -5°    | 19141.0 | 19364.1 | 19500.0 | 19554.2 | 19500.0 | 19364.1 | 19141.0 | 18822.4 | 18394.6 | 17864.2 | 17242.9 |
| -7.5°  | 18920.1 | 19141.0 | 19275.1 | 19324.2 | 19275.1 | 19141.0 | 18920.1 | 18601.1 | 18160.0 | 17628.9 | 17010.9 |
| -10°   | 18601.1 | 18822.4 | 18968.6 | 19020.1 | 18968.6 | 18822.4 | 18601.1 | 18254.1 | 17822.9 | 17304.2 | 16699.5 |
| -12.5° | 18160.0 | 18394.6 | 18545.1 | 18597.2 | 18545.1 | 18394.6 | 18160.0 | 17822.9 | 17405.8 | 16885.5 | 16284.4 |
| -15°   | 17628.9 | 17864.2 | 18012.4 | 18063.1 | 18012.4 | 17864.2 | 17628.9 | 17304.2 | 16885.5 | 16379.5 | 15799.3 |
| -17.5° | 17010.9 | 17242.9 | 17387.3 | 17436.3 | 17387.3 | 17242.9 | 17010.9 | 16699.5 | 16284.4 | 15799.3 | 15233.5 |
| -20°   | 16311.4 | 16537.4 | 16676.9 | 16724.1 | 16676.9 | 16537.4 | 16311.4 | 16007.2 | 15610.4 | 15144.4 | 14605.0 |



REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

|        | -7.5°   | -5°     | -2.5°   | 0°      | 2.5°    | 5°      | 7.5°    | 10°     | 12.5°   | 15°     | 17.5°   |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 15539.9 | 15756.4 | 15889.3 | 15934.1 | 15889.3 | 15756.4 | 15539.9 | 15246.1 | 14874.3 | 14431.7 | 13929.4 |
| -25°   | 14713.8 | 14916.0 | 15039.5 | 15081.0 | 15039.5 | 14916.0 | 14713.8 | 14438.0 | 14093.1 | 13682.4 | 13215.8 |
| -27.5° | 13855.2 | 14040.3 | 14153.0 | 14190.9 | 14153.0 | 14040.3 | 13855.2 | 13601.5 | 13284.1 | 12902.3 | 12467.0 |
| -30°   | 12977.3 | 13147.6 | 13251.1 | 13285.8 | 13251.1 | 13147.6 | 12977.3 | 12743.1 | 12448.9 | 12095.7 | 11689.8 |
| -32.5° | 12082.4 | 12239.1 | 12334.2 | 12366.0 | 12334.2 | 12239.1 | 12082.4 | 11866.3 | 11593.9 | 11271.9 | 10905.1 |
| -35°   | 11181.7 | 11321.8 | 11406.6 | 11435.0 | 11406.6 | 11321.8 | 11181.7 | 10988.1 | 10743.3 | 10450.8 | 10115.1 |
| -37.5° | 10293.0 | 10420.1 | 10496.9 | 10522.6 | 10496.9 | 10420.1 | 10293.0 | 10117.1 | 9894.2  | 9626.5  | 9322.7  |
| -40°   | 9411.7  | 9525.7  | 9594.6  | 9617.6  | 9594.6  | 9525.7  | 9411.7  | 9253.6  | 9052.9  | 8811.4  | 8538.6  |
| -42.5° | 8549.5  | 8650.1  | 8710.8  | 8731.1  | 8710.8  | 8650.1  | 8549.5  | 8409.8  | 8232.2  | 8018.1  | 7773.3  |
| -45°   | 7718.0  | 7806.6  | 7860.1  | 7878.0  | 7860.1  | 7806.6  | 7718.0  | 7594.7  | 7437.8  | 7248.3  | 7028.3  |
| -47.5° | 6915.5  | 6994.7  | 7042.4  | 7058.3  | 7042.4  | 6994.7  | 6915.5  | 6805.5  | 6665.2  | 6495.5  | 6297.5  |
| -50°   | 6138.6  | 6206.4  | 6247.3  | 6260.9  | 6247.3  | 6206.4  | 6138.6  | 6044.2  | 5923.8  | 5778.1  | 5607.7  |
| -52.5° | 5409.1  | 5468.0  | 5503.5  | 5515.4  | 5503.5  | 5468.0  | 5409.1  | 5326.9  | 5222.1  | 5095.0  | 4946.3  |
| -55°   | 4715.4  | 4766.2  | 4796.7  | 4806.9  | 4796.7  | 4766.2  | 4715.4  | 4644.7  | 4554.4  | 4444.8  | 4316.5  |
| -57.5° | 4062.5  | 4105.1  | 4130.7  | 4139.3  | 4130.7  | 4105.1  | 4062.5  | 4003.1  | 3927.2  | 3835.1  | 3727.0  |
| -60°   | 3463.2  | 3496.7  | 3516.9  | 3523.6  | 3516.9  | 3496.7  | 3463.2  | 3416.5  | 3356.7  | 3284.1  | 3199.0  |
| -62.5° | 2942.6  | 2968.6  | 2984.3  | 2989.5  | 2984.3  | 2968.6  | 2942.6  | 2906.3  | 2859.9  | 2803.4  | 2737.1  |
| -65°   | 2494.0  | 2513.8  | 2525.6  | 2529.6  | 2525.6  | 2513.8  | 2494.0  | 2466.5  | 2431.2  | 2388.3  | 2337.9  |
| -67.5° | 2113.0  | 2128.0  | 2137.1  | 2140.1  | 2137.1  | 2128.0  | 2113.0  | 2092.0  | 2065.1  | 2032.4  | 1994.0  |
| -70°   | 1784.3  | 1796.5  | 1803.9  | 1806.3  | 1803.9  | 1796.5  | 1784.3  | 1767.3  | 1745.5  | 1719.0  | 1687.8  |
| -72.5° | 1480.9  | 1490.6  | 1496.5  | 1498.5  | 1496.5  | 1490.6  | 1480.9  | 1467.2  | 1449.6  | 1428.3  | 1403.2  |
| -75°   | 1199.1  | 1206.7  | 1211.4  | 1212.9  | 1211.4  | 1206.7  | 1199.1  | 1188.3  | 1174.6  | 1157.9  | 1138.2  |
| -77.5° | 939.3   | 945.0   | 948.4   | 949.5   | 948.4   | 945.0   | 939.3   | 931.5   | 921.4   | 909.1   | 894.6   |
| -80°   | 708.8   | 712.7   | 715.0   | 715.8   | 715.0   | 712.7   | 708.8   | 703.3   | 696.3   | 687.7   | 677.7   |
| -82.5° | 506.9   | 509.7   | 511.3   | 511.9   | 511.3   | 509.7   | 506.9   | 503.1   | 498.1   | 492.1   | 485.0   |
| -85°   | 316.1   | 317.7   | 318.7   | 319.0   | 318.7   | 317.7   | 316.1   | 313.9   | 311.1   | 307.6   | 303.5   |
| -87.5° | 150.8   | 151.5   | 152.0   | 152.1   | 152.0   | 151.5   | 150.8   | 149.8   | 148.5   | 146.9   | 145.1   |
| -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: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**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°  | 142.9   | 140.5   | 137.8   | 134.9   | 131.7   | 128.3   | 124.6   | 120.7   | 116.5  | 112.1  | 107.5  |
| 85°    | 298.8   | 293.5   | 287.7   | 281.2   | 274.2   | 266.6   | 258.5   | 249.9   | 240.8  | 231.2  | 221.1  |
| 82.5°  | 476.8   | 467.6   | 457.4   | 446.2   | 434.0   | 420.9   | 406.8   | 391.8   | 376.0  | 359.3  | 341.8  |
| 80°    | 666.2   | 653.2   | 638.7   | 622.9   | 605.6   | 587.1   | 567.2   | 546.0   | 523.7  | 500.8  | 477.4  |
| 77.5°  | 878.0   | 859.3   | 838.5   | 815.7   | 790.9   | 764.2   | 735.7   | 706.6   | 678.6  | 649.1  | 618.2  |
| 75°    | 1115.6  | 1090.1  | 1061.8  | 1030.8  | 997.2   | 960.9   | 925.2   | 888.7   | 850.0  | 809.3  | 766.8  |
| 72.5°  | 1374.4  | 1342.0  | 1306.0  | 1266.6  | 1223.7  | 1180.4  | 1134.9  | 1086.7  | 1035.7 | 982.1  | 928.6  |
| 70°    | 1652.1  | 1611.8  | 1567.2  | 1518.3  | 1467.6  | 1414.6  | 1358.0  | 1297.9  | 1234.5 | 1171.3 | 1107.1 |
| 67.5°  | 1950.0  | 1900.4  | 1845.5  | 1787.0  | 1726.8  | 1662.2  | 1593.2  | 1519.9  | 1446.7 | 1371.5 | 1292.9 |
| 65°    | 2280.2  | 2215.3  | 2143.4  | 2075.5  | 2002.4  | 1924.0  | 1840.3  | 1755.8  | 1669.6 | 1579.1 | 1485.7 |
| 62.5°  | 2661.2  | 2576.0  | 2488.9  | 2401.6  | 2307.0  | 2205.4  | 2103.4  | 2005.2  | 1901.8 | 1794.4 | 1690.2 |
| 60°    | 3101.5  | 2992.1  | 2887.6  | 2773.9  | 2650.8  | 2520.5  | 2401.6  | 2275.7  | 2143.4 | 2024.2 | 1900.4 |
| 57.5°  | 3603.5  | 3472.8  | 3340.1  | 3195.2  | 3038.8  | 2887.6  | 2734.2  | 2572.1  | 2421.3 | 2270.5 | 2117.3 |
| 55°    | 4169.9  | 4016.1  | 3849.0  | 3666.9  | 3477.5  | 3295.1  | 3101.5  | 2910.0  | 2725.5 | 2532.7 | 2362.5 |
| 52.5°  | 4778.4  | 4599.5  | 4402.5  | 4187.9  | 3971.0  | 3743.3  | 3504.8  | 3284.1  | 3052.9 | 2836.5 | 2621.0 |
| 50°    | 5418.6  | 5212.5  | 4985.7  | 4743.2  | 4493.4  | 4226.9  | 3960.0  | 3686.4  | 3416.5 | 3158.0 | 2903.8 |
| 47.5°  | 6084.6  | 5849.6  | 5591.6  | 5321.7  | 5036.0  | 4736.2  | 4433.4  | 4117.3  | 3811.0 | 3496.7 | 3210.9 |
| 45°    | 6784.4  | 6512.7  | 6217.9  | 5916.4  | 5593.3  | 5263.2  | 4919.2  | 4573.0  | 4218.8 | 3873.8 | 3523.6 |
| 42.5°  | 7502.0  | 7200.6  | 6876.0  | 6529.4  | 6165.5  | 5798.3  | 5417.0  | 5032.9  | 4643.3 | 4253.5 | 3873.8 |
| 40°    | 8233.5  | 7895.3  | 7540.0  | 7157.9  | 6758.7  | 6339.5  | 5922.9  | 5494.6  | 5071.0 | 4643.3 | 4218.8 |
| 37.5°  | 8980.3  | 8606.7  | 8210.3  | 7788.1  | 7352.8  | 6898.2  | 6430.7  | 5964.7  | 5494.6 | 5032.9 | 4573.0 |
| 35°    | 9737.6  | 9327.8  | 8885.9  | 8424.6  | 7941.7  | 7451.3  | 6945.1  | 6430.7  | 5922.9 | 5417.0 | 4919.2 |
| 32.5°  | 10494.5 | 10047.2 | 9564.8  | 9059.4  | 8533.1  | 7994.5  | 7451.3  | 6898.2  | 6339.5 | 5798.3 | 5263.2 |
| 30°    | 11241.1 | 10756.2 | 10236.7 | 9686.4  | 9117.7  | 8533.1  | 7941.7  | 7352.8  | 6758.7 | 6165.5 | 5593.3 |
| 27.5°  | 11979.4 | 11447.6 | 10889.2 | 10300.5 | 9686.4  | 9059.4  | 8424.6  | 7788.1  | 7157.9 | 6529.4 | 5916.4 |
| 25°    | 12694.1 | 12127.0 | 11518.6 | 10889.2 | 10236.7 | 9564.8  | 8885.9  | 8210.3  | 7540.0 | 6876.0 | 6217.9 |
| 22.5°  | 13374.8 | 12770.8 | 12127.0 | 11447.6 | 10756.2 | 10047.2 | 9327.8  | 8606.7  | 7895.3 | 7200.6 | 6512.7 |
| 20°    | 14013.2 | 13374.8 | 12694.1 | 11979.4 | 11241.1 | 10494.5 | 9737.6  | 8980.3  | 8233.5 | 7502.0 | 6784.4 |
| 17.5°  | 14605.0 | 13929.4 | 13215.8 | 12467.0 | 11689.8 | 10905.1 | 10115.1 | 9322.7  | 8538.6 | 7773.3 | 7028.3 |
| 15°    | 15144.4 | 14431.7 | 13682.4 | 12902.3 | 12095.7 | 11271.9 | 10450.8 | 9626.5  | 8811.4 | 8018.1 | 7248.3 |
| 12.5°  | 15610.4 | 14874.3 | 14093.1 | 13284.1 | 12448.9 | 11593.9 | 10743.3 | 9894.2  | 9052.9 | 8232.2 | 7437.8 |
| 10°    | 16007.2 | 15246.1 | 14438.0 | 13601.5 | 12743.1 | 11866.3 | 10988.1 | 10117.1 | 9253.6 | 8409.8 | 7594.7 |
| 7.5°   | 16311.4 | 15539.9 | 14713.8 | 13855.2 | 12977.3 | 12082.4 | 11181.7 | 10293.0 | 9411.7 | 8549.5 | 7718.0 |
| 5°     | 16537.4 | 15756.4 | 14916.0 | 14040.3 | 13147.6 | 12239.1 | 11321.8 | 10420.1 | 9525.7 | 8650.1 | 7806.6 |
| 2.5°   | 16676.9 | 15889.3 | 15039.5 | 14153.0 | 13251.1 | 12334.2 | 11406.6 | 10496.9 | 9594.6 | 8710.8 | 7860.1 |
| 0°     | 16724.1 | 15934.1 | 15081.0 | 14190.9 | 13285.8 | 12366.0 | 11435.0 | 10522.6 | 9617.6 | 8731.1 | 7878.0 |
| -2.5°  | 16676.9 | 15889.3 | 15039.5 | 14153.0 | 13251.1 | 12334.2 | 11406.6 | 10496.9 | 9594.6 | 8710.8 | 7860.1 |
| -5°    | 16537.4 | 15756.4 | 14916.0 | 14040.3 | 13147.6 | 12239.1 | 11321.8 | 10420.1 | 9525.7 | 8650.1 | 7806.6 |
| -7.5°  | 16311.4 | 15539.9 | 14713.8 | 13855.2 | 12977.3 | 12082.4 | 11181.7 | 10293.0 | 9411.7 | 8549.5 | 7718.0 |
| -10°   | 16007.2 | 15246.1 | 14438.0 | 13601.5 | 12743.1 | 11866.3 | 10988.1 | 10117.1 | 9253.6 | 8409.8 | 7594.7 |
| -12.5° | 15610.4 | 14874.3 | 14093.1 | 13284.1 | 12448.9 | 11593.9 | 10743.3 | 9894.2  | 9052.9 | 8232.2 | 7437.8 |
| -15°   | 15144.4 | 14431.7 | 13682.4 | 12902.3 | 12095.7 | 11271.9 | 10450.8 | 9626.5  | 8811.4 | 8018.1 | 7248.3 |
| -17.5° | 14605.0 | 13929.4 | 13215.8 | 12467.0 | 11689.8 | 10905.1 | 10115.1 | 9322.7  | 8538.6 | 7773.3 | 7028.3 |
| -20°   | 14013.2 | 13374.8 | 12694.1 | 11979.4 | 11241.1 | 10494.5 | 9737.6  | 8980.3  | 8233.5 | 7502.0 | 6784.4 |



REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

|        | 20°     | 22.5°   | 25°     | 27.5°   | 30°     | 32.5°   | 35°    | 37.5°  | 40°    | 42.5°  | 45°    |
|--------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| -22.5° | 13374.8 | 12770.8 | 12127.0 | 11447.6 | 10756.2 | 10047.2 | 9327.8 | 8606.7 | 7895.3 | 7200.6 | 6512.7 |
| -25°   | 12694.1 | 12127.0 | 11518.6 | 10889.2 | 10236.7 | 9564.8  | 8885.9 | 8210.3 | 7540.0 | 6876.0 | 6217.9 |
| -27.5° | 11979.4 | 11447.6 | 10889.2 | 10300.5 | 9686.4  | 9059.4  | 8424.6 | 7788.1 | 7157.9 | 6529.4 | 5916.4 |
| -30°   | 11241.1 | 10756.2 | 10236.7 | 9686.4  | 9117.7  | 8533.1  | 7941.7 | 7352.8 | 6758.7 | 6165.5 | 5593.3 |
| -32.5° | 10494.5 | 10047.2 | 9564.8  | 9059.4  | 8533.1  | 7994.5  | 7451.3 | 6898.2 | 6339.5 | 5798.3 | 5263.2 |
| -35°   | 9737.6  | 9327.8  | 8885.9  | 8424.6  | 7941.7  | 7451.3  | 6945.1 | 6430.7 | 5922.9 | 5417.0 | 4919.2 |
| -37.5° | 8980.3  | 8606.7  | 8210.3  | 7788.1  | 7352.8  | 6898.2  | 6430.7 | 5964.7 | 5494.6 | 5032.9 | 4573.0 |
| -40°   | 8233.5  | 7895.3  | 7540.0  | 7157.9  | 6758.7  | 6339.5  | 5922.9 | 5494.6 | 5071.0 | 4643.3 | 4218.8 |
| -42.5° | 7502.0  | 7200.6  | 6876.0  | 6529.4  | 6165.5  | 5798.3  | 5417.0 | 5032.9 | 4643.3 | 4253.5 | 3873.8 |
| -45°   | 6784.4  | 6512.7  | 6217.9  | 5916.4  | 5593.3  | 5263.2  | 4919.2 | 4573.0 | 4218.8 | 3873.8 | 3523.6 |
| -47.5° | 6084.6  | 5849.6  | 5591.6  | 5321.7  | 5036.0  | 4736.2  | 4433.4 | 4117.3 | 3811.0 | 3496.7 | 3210.9 |
| -50°   | 5418.6  | 5212.5  | 4985.7  | 4743.2  | 4493.4  | 4226.9  | 3960.0 | 3686.4 | 3416.5 | 3158.0 | 2903.8 |
| -52.5° | 4778.4  | 4599.5  | 4402.5  | 4187.9  | 3971.0  | 3743.3  | 3504.8 | 3284.1 | 3052.9 | 2836.5 | 2621.0 |
| -55°   | 4169.9  | 4016.1  | 3849.0  | 3666.9  | 3477.5  | 3295.1  | 3101.5 | 2910.0 | 2725.5 | 2532.7 | 2362.5 |
| -57.5° | 3603.5  | 3472.8  | 3340.1  | 3195.2  | 3038.8  | 2887.6  | 2734.2 | 2572.1 | 2421.3 | 2270.5 | 2117.3 |
| -60°   | 3101.5  | 2992.1  | 2887.6  | 2773.9  | 2650.8  | 2520.5  | 2401.6 | 2275.7 | 2143.4 | 2024.2 | 1900.4 |
| -62.5° | 2661.2  | 2576.0  | 2488.9  | 2401.6  | 2307.0  | 2205.4  | 2103.4 | 2005.2 | 1901.8 | 1794.4 | 1690.2 |
| -65°   | 2280.2  | 2215.3  | 2143.4  | 2075.5  | 2002.4  | 1924.0  | 1840.3 | 1755.8 | 1669.6 | 1579.1 | 1485.7 |
| -67.5° | 1950.0  | 1900.4  | 1845.5  | 1787.0  | 1726.8  | 1662.2  | 1593.2 | 1519.9 | 1446.7 | 1371.5 | 1292.9 |
| -70°   | 1652.1  | 1611.8  | 1567.2  | 1518.3  | 1467.6  | 1414.6  | 1358.0 | 1297.9 | 1234.5 | 1171.3 | 1107.1 |
| -72.5° | 1374.4  | 1342.0  | 1306.0  | 1266.6  | 1223.7  | 1180.4  | 1134.9 | 1086.7 | 1035.7 | 982.1  | 928.6  |
| -75°   | 1115.6  | 1090.1  | 1061.8  | 1030.8  | 997.2   | 960.9   | 925.2  | 888.7  | 850.0  | 809.3  | 766.8  |
| -77.5° | 878.0   | 859.3   | 838.5   | 815.7   | 790.9   | 764.2   | 735.7  | 706.6  | 678.6  | 649.1  | 618.2  |
| -80°   | 666.2   | 653.2   | 638.7   | 622.9   | 605.6   | 587.1   | 567.2  | 546.0  | 523.7  | 500.8  | 477.4  |
| -82.5° | 476.8   | 467.6   | 457.4   | 446.2   | 434.0   | 420.9   | 406.8  | 391.8  | 376.0  | 359.3  | 341.8  |
| -85°   | 298.8   | 293.5   | 287.7   | 281.2   | 274.2   | 266.6   | 258.5  | 249.9  | 240.8  | 231.2  | 221.1  |
| -87.5° | 142.9   | 140.5   | 137.8   | 134.9   | 131.7   | 128.3   | 124.6  | 120.7  | 116.5  | 112.1  | 107.5  |
| -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: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**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°  | 102.7  | 97.7   | 92.6   | 87.2   | 81.7   | 76.0   | 70.2   | 64.3   | 58.2   | 52.0   | 45.7   |
| 85°    | 210.6  | 199.6  | 188.2  | 176.5  | 164.4  | 152.0  | 140.3  | 128.4  | 116.3  | 103.9  | 91.4   |
| 82.5°  | 323.6  | 306.5  | 289.5  | 271.8  | 253.7  | 235.0  | 215.9  | 196.3  | 176.3  | 156.0  | 136.9  |
| 80°    | 453.0  | 427.7  | 401.4  | 374.3  | 346.3  | 317.7  | 292.2  | 266.2  | 239.6  | 212.5  | 185.0  |
| 77.5°  | 586.0  | 552.5  | 517.7  | 483.5  | 448.5  | 412.6  | 375.8  | 338.2  | 302.4  | 268.6  | 234.3  |
| 75°    | 722.4  | 681.3  | 639.6  | 596.5  | 552.2  | 506.9  | 462.8  | 417.7  | 371.8  | 325.1  | 283.2  |
| 72.5°  | 876.7  | 822.8  | 767.0  | 710.2  | 658.5  | 605.5  | 551.2  | 496.6  | 443.1  | 388.7  | 333.5  |
| 70°    | 1040.1 | 970.6  | 904.4  | 838.6  | 770.9  | 703.3  | 641.3  | 578.0  | 513.6  | 451.5  | 388.7  |
| 67.5°  | 1211.1 | 1132.8 | 1051.9 | 968.4  | 890.2  | 812.2  | 732.4  | 659.3  | 587.0  | 513.6  | 443.1  |
| 65°    | 1394.5 | 1300.0 | 1203.2 | 1110.5 | 1015.3 | 921.4  | 832.9  | 742.8  | 659.3  | 578.0  | 496.6  |
| 62.5°  | 1581.8 | 1471.8 | 1364.3 | 1253.8 | 1146.0 | 1038.9 | 931.8  | 832.9  | 732.4  | 641.3  | 551.2  |
| 60°    | 1774.6 | 1652.1 | 1525.7 | 1403.2 | 1279.6 | 1157.9 | 1038.9 | 921.4  | 812.2  | 703.3  | 605.5  |
| 57.5°  | 1977.8 | 1833.6 | 1694.5 | 1553.9 | 1416.2 | 1279.6 | 1146.0 | 1015.3 | 890.2  | 770.9  | 658.5  |
| 55°    | 2186.7 | 2024.6 | 1864.6 | 1708.7 | 1553.9 | 1403.2 | 1253.8 | 1110.5 | 968.4  | 838.6  | 710.2  |
| 52.5°  | 2418.2 | 2223.6 | 2040.2 | 1864.6 | 1694.5 | 1525.7 | 1364.3 | 1203.2 | 1051.9 | 904.4  | 767.0  |
| 50°    | 2665.4 | 2436.8 | 2223.6 | 2024.6 | 1833.6 | 1652.1 | 1471.8 | 1300.0 | 1132.8 | 970.6  | 822.8  |
| 47.5°  | 2926.3 | 2665.4 | 2418.2 | 2186.7 | 1977.8 | 1774.6 | 1581.8 | 1394.5 | 1211.1 | 1040.1 | 876.7  |
| 45°    | 3210.9 | 2903.8 | 2621.0 | 2362.5 | 2117.3 | 1900.4 | 1690.2 | 1485.7 | 1292.9 | 1107.1 | 928.6  |
| 42.5°  | 3496.7 | 3158.0 | 2836.5 | 2532.7 | 2270.5 | 2024.2 | 1794.4 | 1579.1 | 1371.5 | 1171.3 | 982.1  |
| 40°    | 3811.0 | 3416.5 | 3052.9 | 2725.5 | 2421.3 | 2143.4 | 1901.8 | 1669.6 | 1446.7 | 1234.5 | 1035.7 |
| 37.5°  | 4117.3 | 3686.4 | 3284.1 | 2910.0 | 2572.1 | 2275.7 | 2005.2 | 1755.8 | 1519.9 | 1297.9 | 1086.7 |
| 35°    | 4433.4 | 3960.0 | 3504.8 | 3101.5 | 2734.2 | 2401.6 | 2103.4 | 1840.3 | 1593.2 | 1358.0 | 1134.9 |
| 32.5°  | 4736.2 | 4226.9 | 3743.3 | 3295.1 | 2887.6 | 2520.5 | 2205.4 | 1924.0 | 1662.2 | 1414.6 | 1180.4 |
| 30°    | 5036.0 | 4493.4 | 3971.0 | 3477.5 | 3038.8 | 2650.8 | 2307.0 | 2002.4 | 1726.8 | 1467.6 | 1223.7 |
| 27.5°  | 5321.7 | 4743.2 | 4187.9 | 3666.9 | 3195.2 | 2773.9 | 2401.6 | 2075.5 | 1787.0 | 1518.3 | 1266.6 |
| 25°    | 5591.6 | 4985.7 | 4402.5 | 3849.0 | 3340.1 | 2887.6 | 2488.9 | 2143.4 | 1845.5 | 1567.2 | 1306.0 |
| 22.5°  | 5849.6 | 5212.5 | 4599.5 | 4016.1 | 3472.8 | 2992.1 | 2576.0 | 2215.3 | 1900.4 | 1611.8 | 1342.0 |
| 20°    | 6084.6 | 5418.6 | 4778.4 | 4169.9 | 3603.5 | 3101.5 | 2661.2 | 2280.2 | 1950.0 | 1652.1 | 1374.4 |
| 17.5°  | 6297.5 | 5607.7 | 4946.3 | 4316.5 | 3727.0 | 3199.0 | 2737.1 | 2337.9 | 1994.0 | 1687.8 | 1403.2 |
| 15°    | 6495.5 | 5778.1 | 5095.0 | 4444.8 | 3835.1 | 3284.1 | 2803.4 | 2388.3 | 2032.4 | 1719.0 | 1428.3 |
| 12.5°  | 6665.2 | 5923.8 | 5222.1 | 4554.4 | 3927.2 | 3356.7 | 2859.9 | 2431.2 | 2065.1 | 1745.5 | 1449.6 |
| 10°    | 6805.5 | 6044.2 | 5326.9 | 4644.7 | 4003.1 | 3416.5 | 2906.3 | 2466.5 | 2092.0 | 1767.3 | 1467.2 |
| 7.5°   | 6915.5 | 6138.6 | 5409.1 | 4715.4 | 4062.5 | 3463.2 | 2942.6 | 2494.0 | 2113.0 | 1784.3 | 1480.9 |
| 5°     | 6994.7 | 6206.4 | 5468.0 | 4766.2 | 4105.1 | 3496.7 | 2968.6 | 2513.8 | 2128.0 | 1796.5 | 1490.6 |
| 2.5°   | 7042.4 | 6247.3 | 5503.5 | 4796.7 | 4130.7 | 3516.9 | 2984.3 | 2525.6 | 2137.1 | 1803.9 | 1496.5 |
| 0°     | 7058.3 | 6260.9 | 5515.4 | 4806.9 | 4139.3 | 3523.6 | 2989.5 | 2529.6 | 2140.1 | 1806.3 | 1498.5 |
| -2.5°  | 7042.4 | 6247.3 | 5503.5 | 4796.7 | 4130.7 | 3516.9 | 2984.3 | 2525.6 | 2137.1 | 1803.9 | 1496.5 |
| -5°    | 6994.7 | 6206.4 | 5468.0 | 4766.2 | 4105.1 | 3496.7 | 2968.6 | 2513.8 | 2128.0 | 1796.5 | 1490.6 |
| -7.5°  | 6915.5 | 6138.6 | 5409.1 | 4715.4 | 4062.5 | 3463.2 | 2942.6 | 2494.0 | 2113.0 | 1784.3 | 1480.9 |
| -10°   | 6805.5 | 6044.2 | 5326.9 | 4644.7 | 4003.1 | 3416.5 | 2906.3 | 2466.5 | 2092.0 | 1767.3 | 1467.2 |
| -12.5° | 6665.2 | 5923.8 | 5222.1 | 4554.4 | 3927.2 | 3356.7 | 2859.9 | 2431.2 | 2065.1 | 1745.5 | 1449.6 |
| -15°   | 6495.5 | 5778.1 | 5095.0 | 4444.8 | 3835.1 | 3284.1 | 2803.4 | 2388.3 | 2032.4 | 1719.0 | 1428.3 |
| -17.5° | 6297.5 | 5607.7 | 4946.3 | 4316.5 | 3727.0 | 3199.0 | 2737.1 | 2337.9 | 1994.0 | 1687.8 | 1403.2 |
| -20°   | 6084.6 | 5418.6 | 4778.4 | 4169.9 | 3603.5 | 3101.5 | 2661.2 | 2280.2 | 1950.0 | 1652.1 | 1374.4 |



REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

|        | 47.5°  | 50°    | 52.5°  | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 5849.6 | 5212.5 | 4599.5 | 4016.1 | 3472.8 | 2992.1 | 2576.0 | 2215.3 | 1900.4 | 1611.8 | 1342.0 |
| -25°   | 5591.6 | 4985.7 | 4402.5 | 3849.0 | 3340.1 | 2887.6 | 2488.9 | 2143.4 | 1845.5 | 1567.2 | 1306.0 |
| -27.5° | 5321.7 | 4743.2 | 4187.9 | 3666.9 | 3195.2 | 2773.9 | 2401.6 | 2075.5 | 1787.0 | 1518.3 | 1266.6 |
| -30°   | 5036.0 | 4493.4 | 3971.0 | 3477.5 | 3038.8 | 2650.8 | 2307.0 | 2002.4 | 1726.8 | 1467.6 | 1223.7 |
| -32.5° | 4736.2 | 4226.9 | 3743.3 | 3295.1 | 2887.6 | 2520.5 | 2205.4 | 1924.0 | 1662.2 | 1414.6 | 1180.4 |
| -35°   | 4433.4 | 3960.0 | 3504.8 | 3101.5 | 2734.2 | 2401.6 | 2103.4 | 1840.3 | 1593.2 | 1358.0 | 1134.9 |
| -37.5° | 4117.3 | 3686.4 | 3284.1 | 2910.0 | 2572.1 | 2275.7 | 2005.2 | 1755.8 | 1519.9 | 1297.9 | 1086.7 |
| -40°   | 3811.0 | 3416.5 | 3052.9 | 2725.5 | 2421.3 | 2143.4 | 1901.8 | 1669.6 | 1446.7 | 1234.5 | 1035.7 |
| -42.5° | 3496.7 | 3158.0 | 2836.5 | 2532.7 | 2270.5 | 2024.2 | 1794.4 | 1579.1 | 1371.5 | 1171.3 | 982.1  |
| -45°   | 3210.9 | 2903.8 | 2621.0 | 2362.5 | 2117.3 | 1900.4 | 1690.2 | 1485.7 | 1292.9 | 1107.1 | 928.6  |
| -47.5° | 2926.3 | 2665.4 | 2418.2 | 2186.7 | 1977.8 | 1774.6 | 1581.8 | 1394.5 | 1211.1 | 1040.1 | 876.7  |
| -50°   | 2665.4 | 2436.8 | 2223.6 | 2024.6 | 1833.6 | 1652.1 | 1471.8 | 1300.0 | 1132.8 | 970.6  | 822.8  |
| -52.5° | 2418.2 | 2223.6 | 2040.2 | 1864.6 | 1694.5 | 1525.7 | 1364.3 | 1203.2 | 1051.9 | 904.4  | 767.0  |
| -55°   | 2186.7 | 2024.6 | 1864.6 | 1708.7 | 1553.9 | 1403.2 | 1253.8 | 1110.5 | 968.4  | 838.6  | 710.2  |
| -57.5° | 1977.8 | 1833.6 | 1694.5 | 1553.9 | 1416.2 | 1279.6 | 1146.0 | 1015.3 | 890.2  | 770.9  | 658.5  |
| -60°   | 1774.6 | 1652.1 | 1525.7 | 1403.2 | 1279.6 | 1157.9 | 1038.9 | 921.4  | 812.2  | 703.3  | 605.5  |
| -62.5° | 1581.8 | 1471.8 | 1364.3 | 1253.8 | 1146.0 | 1038.9 | 931.8  | 832.9  | 732.4  | 641.3  | 551.2  |
| -65°   | 1394.5 | 1300.0 | 1203.2 | 1110.5 | 1015.3 | 921.4  | 832.9  | 742.8  | 659.3  | 578.0  | 496.6  |
| -67.5° | 1211.1 | 1132.8 | 1051.9 | 968.4  | 890.2  | 812.2  | 732.4  | 659.3  | 587.0  | 513.6  | 443.1  |
| -70°   | 1040.1 | 970.6  | 904.4  | 838.6  | 770.9  | 703.3  | 641.3  | 578.0  | 513.6  | 451.5  | 388.7  |
| -72.5° | 876.7  | 822.8  | 767.0  | 710.2  | 658.5  | 605.5  | 551.2  | 496.6  | 443.1  | 388.7  | 333.5  |
| -75°   | 722.4  | 681.3  | 639.6  | 596.5  | 552.2  | 506.9  | 462.8  | 417.7  | 371.8  | 325.1  | 283.2  |
| -77.5° | 586.0  | 552.5  | 517.7  | 483.5  | 448.5  | 412.6  | 375.8  | 338.2  | 302.4  | 268.6  | 234.3  |
| -80°   | 453.0  | 427.7  | 401.4  | 374.3  | 346.3  | 317.7  | 292.2  | 266.2  | 239.6  | 212.5  | 185.0  |
| -82.5° | 323.6  | 306.5  | 289.5  | 271.8  | 253.7  | 235.0  | 215.9  | 196.3  | 176.3  | 156.0  | 136.9  |
| -85°   | 210.6  | 199.6  | 188.2  | 176.5  | 164.4  | 152.0  | 140.3  | 128.4  | 116.3  | 103.9  | 91.4   |
| -87.5° | 102.7  | 97.7   | 92.6   | 87.2   | 81.7   | 76.0   | 70.2   | 64.3   | 58.2   | 52.0   | 45.7   |
| -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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**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°  | 39.4   | 32.9  | 26.4  | 19.8  | 13.3  | 6.6   | 0.0 |
| 85°    | 78.6   | 65.8  | 52.8  | 39.7  | 26.5  | 13.3  | 0.0 |
| 82.5°  | 117.8  | 98.5  | 79.0  | 59.4  | 39.7  | 19.8  | 0.0 |
| 80°    | 157.2  | 131.0 | 105.1 | 79.0  | 52.8  | 26.4  | 0.0 |
| 77.5°  | 199.6  | 164.5 | 131.0 | 98.5  | 65.8  | 32.9  | 0.0 |
| 75°    | 241.6  | 199.6 | 157.2 | 117.8 | 78.6  | 39.4  | 0.0 |
| 72.5°  | 283.2  | 234.3 | 185.0 | 136.9 | 91.4  | 45.7  | 0.0 |
| 70°    | 325.1  | 268.6 | 212.5 | 156.0 | 103.9 | 52.0  | 0.0 |
| 67.5°  | 371.8  | 302.4 | 239.6 | 176.3 | 116.3 | 58.2  | 0.0 |
| 65°    | 417.7  | 338.2 | 266.2 | 196.3 | 128.4 | 64.3  | 0.0 |
| 62.5°  | 462.8  | 375.8 | 292.2 | 215.9 | 140.3 | 70.2  | 0.0 |
| 60°    | 506.9  | 412.6 | 317.7 | 235.0 | 152.0 | 76.0  | 0.0 |
| 57.5°  | 552.2  | 448.5 | 346.3 | 253.7 | 164.4 | 81.7  | 0.0 |
| 55°    | 596.5  | 483.5 | 374.3 | 271.8 | 176.5 | 87.2  | 0.0 |
| 52.5°  | 639.6  | 517.7 | 401.4 | 289.5 | 188.2 | 92.6  | 0.0 |
| 50°    | 681.3  | 552.5 | 427.7 | 306.5 | 199.6 | 97.7  | 0.0 |
| 47.5°  | 722.4  | 586.0 | 453.0 | 323.6 | 210.6 | 102.7 | 0.0 |
| 45°    | 766.8  | 618.2 | 477.4 | 341.8 | 221.1 | 107.5 | 0.0 |
| 42.5°  | 809.3  | 649.1 | 500.8 | 359.3 | 231.2 | 112.1 | 0.0 |
| 40°    | 850.0  | 678.6 | 523.7 | 376.0 | 240.8 | 116.5 | 0.0 |
| 37.5°  | 888.7  | 706.6 | 546.0 | 391.8 | 249.9 | 120.7 | 0.0 |
| 35°    | 925.2  | 735.7 | 567.2 | 406.8 | 258.5 | 124.6 | 0.0 |
| 32.5°  | 960.9  | 764.2 | 587.1 | 420.9 | 266.6 | 128.3 | 0.0 |
| 30°    | 997.2  | 790.9 | 605.6 | 434.0 | 274.2 | 131.7 | 0.0 |
| 27.5°  | 1030.8 | 815.7 | 622.9 | 446.2 | 281.2 | 134.9 | 0.0 |
| 25°    | 1061.8 | 838.5 | 638.7 | 457.4 | 287.7 | 137.8 | 0.0 |
| 22.5°  | 1090.1 | 859.3 | 653.2 | 467.6 | 293.5 | 140.5 | 0.0 |
| 20°    | 1115.6 | 878.0 | 666.2 | 476.8 | 298.8 | 142.9 | 0.0 |
| 17.5°  | 1138.2 | 894.6 | 677.7 | 485.0 | 303.5 | 145.1 | 0.0 |
| 15°    | 1157.9 | 909.1 | 687.7 | 492.1 | 307.6 | 146.9 | 0.0 |
| 12.5°  | 1174.6 | 921.4 | 696.3 | 498.1 | 311.1 | 148.5 | 0.0 |
| 10°    | 1188.3 | 931.5 | 703.3 | 503.1 | 313.9 | 149.8 | 0.0 |
| 7.5°   | 1199.1 | 939.3 | 708.8 | 506.9 | 316.1 | 150.8 | 0.0 |
| 5°     | 1206.7 | 945.0 | 712.7 | 509.7 | 317.7 | 151.5 | 0.0 |
| 2.5°   | 1211.4 | 948.4 | 715.0 | 511.3 | 318.7 | 152.0 | 0.0 |
| 0°     | 1212.9 | 949.5 | 715.8 | 511.9 | 319.0 | 152.1 | 0.0 |
| -2.5°  | 1211.4 | 948.4 | 715.0 | 511.3 | 318.7 | 152.0 | 0.0 |
| -5°    | 1206.7 | 945.0 | 712.7 | 509.7 | 317.7 | 151.5 | 0.0 |
| -7.5°  | 1199.1 | 939.3 | 708.8 | 506.9 | 316.1 | 150.8 | 0.0 |
| -10°   | 1188.3 | 931.5 | 703.3 | 503.1 | 313.9 | 149.8 | 0.0 |
| -12.5° | 1174.6 | 921.4 | 696.3 | 498.1 | 311.1 | 148.5 | 0.0 |
| -15°   | 1157.9 | 909.1 | 687.7 | 492.1 | 307.6 | 146.9 | 0.0 |
| -17.5° | 1138.2 | 894.6 | 677.7 | 485.0 | 303.5 | 145.1 | 0.0 |
| -20°   | 1115.6 | 878.0 | 666.2 | 476.8 | 298.8 | 142.9 | 0.0 |

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Scaled Data Report



REPORT NUMBER: P624782 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

|        | 75°    | 77.5° | 80°   | 82.5° | 85°   | 87.5° | 90° |
|--------|--------|-------|-------|-------|-------|-------|-----|
| -22.5° | 1090.1 | 859.3 | 653.2 | 467.6 | 293.5 | 140.5 | 0.0 |
| -25°   | 1061.8 | 838.5 | 638.7 | 457.4 | 287.7 | 137.8 | 0.0 |
| -27.5° | 1030.8 | 815.7 | 622.9 | 446.2 | 281.2 | 134.9 | 0.0 |
| -30°   | 997.2  | 790.9 | 605.6 | 434.0 | 274.2 | 131.7 | 0.0 |
| -32.5° | 960.9  | 764.2 | 587.1 | 420.9 | 266.6 | 128.3 | 0.0 |
| -35°   | 925.2  | 735.7 | 567.2 | 406.8 | 258.5 | 124.6 | 0.0 |
| -37.5° | 888.7  | 706.6 | 546.0 | 391.8 | 249.9 | 120.7 | 0.0 |
| -40°   | 850.0  | 678.6 | 523.7 | 376.0 | 240.8 | 116.5 | 0.0 |
| -42.5° | 809.3  | 649.1 | 500.8 | 359.3 | 231.2 | 112.1 | 0.0 |
| -45°   | 766.8  | 618.2 | 477.4 | 341.8 | 221.1 | 107.5 | 0.0 |
| -47.5° | 722.4  | 586.0 | 453.0 | 323.6 | 210.6 | 102.7 | 0.0 |
| -50°   | 681.3  | 552.5 | 427.7 | 306.5 | 199.6 | 97.7  | 0.0 |
| -52.5° | 639.6  | 517.7 | 401.4 | 289.5 | 188.2 | 92.6  | 0.0 |
| -55°   | 596.5  | 483.5 | 374.3 | 271.8 | 176.5 | 87.2  | 0.0 |
| -57.5° | 552.2  | 448.5 | 346.3 | 253.7 | 164.4 | 81.7  | 0.0 |
| -60°   | 506.9  | 412.6 | 317.7 | 235.0 | 152.0 | 76.0  | 0.0 |
| -62.5° | 462.8  | 375.8 | 292.2 | 215.9 | 140.3 | 70.2  | 0.0 |
| -65°   | 417.7  | 338.2 | 266.2 | 196.3 | 128.4 | 64.3  | 0.0 |
| -67.5° | 371.8  | 302.4 | 239.6 | 176.3 | 116.3 | 58.2  | 0.0 |
| -70°   | 325.1  | 268.6 | 212.5 | 156.0 | 103.9 | 52.0  | 0.0 |
| -72.5° | 283.2  | 234.3 | 185.0 | 136.9 | 91.4  | 45.7  | 0.0 |
| -75°   | 241.6  | 199.6 | 157.2 | 117.8 | 78.6  | 39.4  | 0.0 |
| -77.5° | 199.6  | 164.5 | 131.0 | 98.5  | 65.8  | 32.9  | 0.0 |
| -80°   | 157.2  | 131.0 | 105.1 | 79.0  | 52.8  | 26.4  | 0.0 |
| -82.5° | 117.8  | 98.5  | 79.0  | 59.4  | 39.7  | 19.8  | 0.0 |
| -85°   | 78.6   | 65.8  | 52.8  | 39.7  | 26.5  | 13.3  | 0.0 |
| -87.5° | 39.4   | 32.9  | 26.4  | 19.8  | 13.3  | 6.6   | 0.0 |
| -90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0 |

(END OF REPORT)