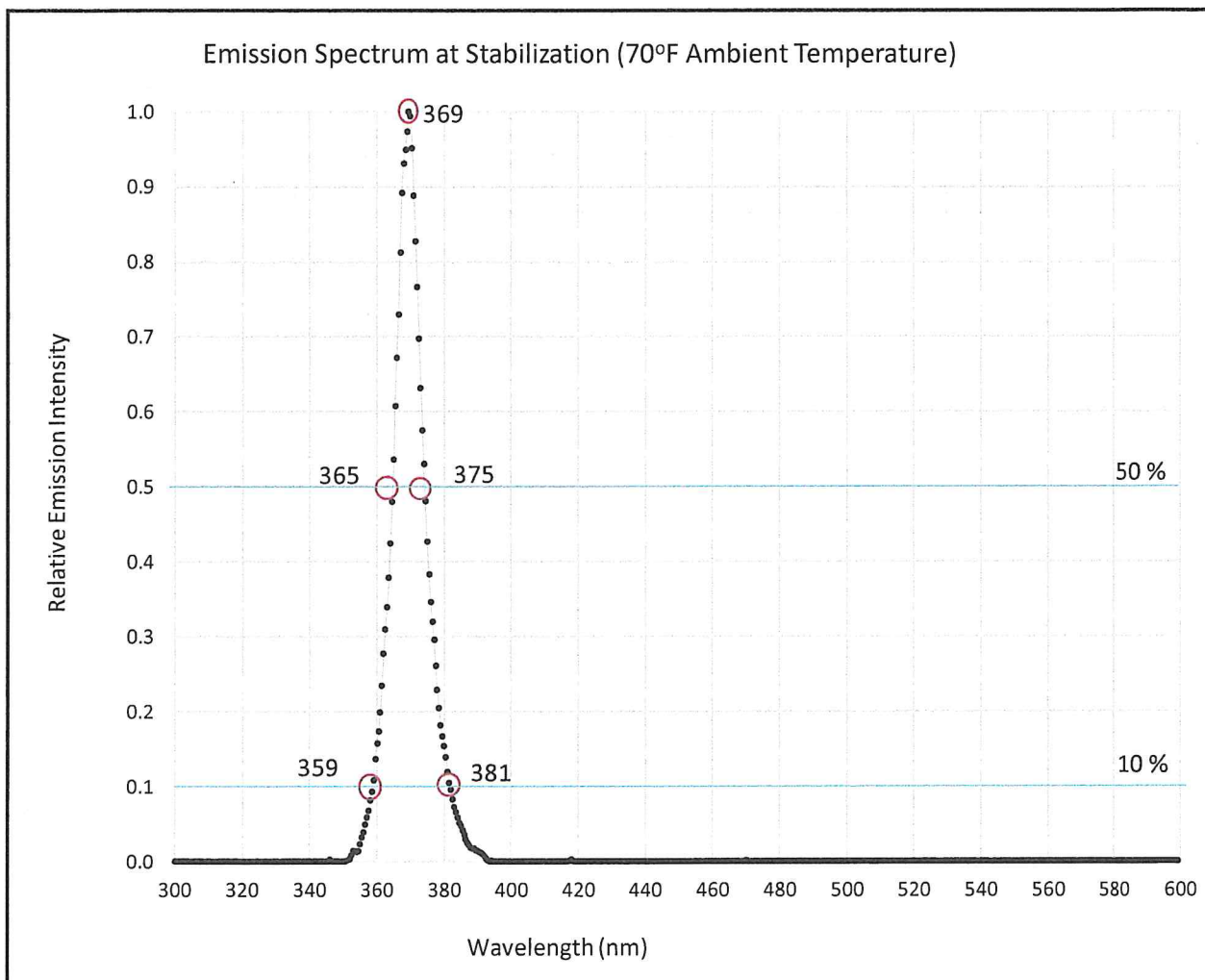


# SN# 001474 Lamp Specific Acceptance Test



| Model: UV-5400, Nomad-Ascent           | Result | Steady State | Acceptable  | Units                     |
|----------------------------------------|--------|--------------|-------------|---------------------------|
| Peak Output Wavelength                 | Pass   | 369          | $365 \pm 5$ | nm                        |
| Full Width Half Maximum (FWHM)         | Pass   | 10           | $\leq 15$   | nm                        |
| Full Width at 10% Maximum              | Pass   | 23           | $\leq 30$   | nm                        |
| Longest Wavelength at Half Maximum     | Pass   | 375          | $\leq 377$  | nm                        |
| Max Excitation Irradiance (347-382 nm) | Pass   | 1245         | $\geq 1200$ | $\mu\text{W}/\text{cm}^2$ |



Inspector: TMK  
Date of Certification: 6-16-2026

This lamp has been tested to conform to all requirements of:  
ASTM E3022 ✓ AITM6-1001 ✓ ISO 3059 ✓ RRES 90061 ✓

Emission Spectrum Measured at Stabilization Temperature with Blue-wave UV-25 S/N 18120729, Certificate Number 18120729-UV-CR2-0925



# Nomad-Ascent, Certificate of Conformance



| SN# 001474                                           | Switch On | Steady State | Elevated Temp* | Acceptable | Units              |
|------------------------------------------------------|-----------|--------------|----------------|------------|--------------------|
| Peak Output Wavelength                               | 368       | 369          | 370            | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)                       | 10        | 10           | 12             | ≤ 15       | nm                 |
| Full Width at 10% Maximum                            | 23        | 23           | 24             | ≤ 30       | nm                 |
| Longest Wavelength at Half Maximum                   | 375       | 375          | 375            | ≤ 377      | nm                 |
| Visible Emission at 15 in                            | 8         | 6            | 5              | ≤ 20       | Lux                |
| Visible Emission at 36 in                            | 2         | 2            | 2              | ≤ 5        | Lux                |
| Irradiated Area at 15 in (>1000 μW/cm <sup>2</sup> ) | 12        | 8            | 7              | ≥ 5        | Inch Diameter      |
| Max Excitation Irradiance (347-382 nm)               | 1,556     | 1,245        | 1,200          | ≥ 1000     | μW/cm <sup>2</sup> |
| Irradiance at Peak Output Wavelength                 | 138       | 110          | 102            | -          | μW/cm <sup>2</sup> |
| Min Working Distance** ( < 5000 μW/cm <sup>2</sup> ) | 9         | 8            | 8              | -          | Inches             |
| Max Working Distance** ( > 1200 μW/cm <sup>2</sup> ) | 17        | 16           | 15             | -          | Inches             |
| Handle Stabilization Temp (70°F Ambient)             | -         | 120          | -              | ≤ 120      | °F                 |
| Current Ripple                                       | 26        | 26           | 26             | ≤ 58       | mA peak-peak       |
| Typical Battery Discharge Time (18Wh Batt)           | -         | 95           | -              | -          | Minutes            |

\* Tested in a 85° F Environment, the maximum ambient temperature where light still meets requirements

\*\* Nomad-Ascent has tightly grouped LED emitters, thus beam uniformity does not change with working distance (RRES 90061)

Glass UV Pass filter

Transmittance:

~0% < 275nm

~85% (Peak) @ 365nm

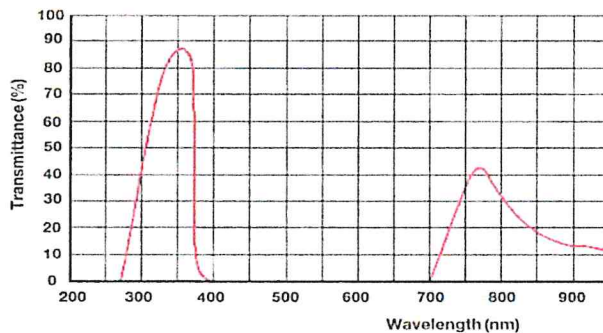
~0% > 400nm < 675nm

Secondary Peak ~42% @ 775nm

<20% above 825nm

Used in forensics, Testing, chemical analysis.

DIA: 25mm T: 1.5mm WT: .004



BEAM PROFILE AT 15 INCHES

