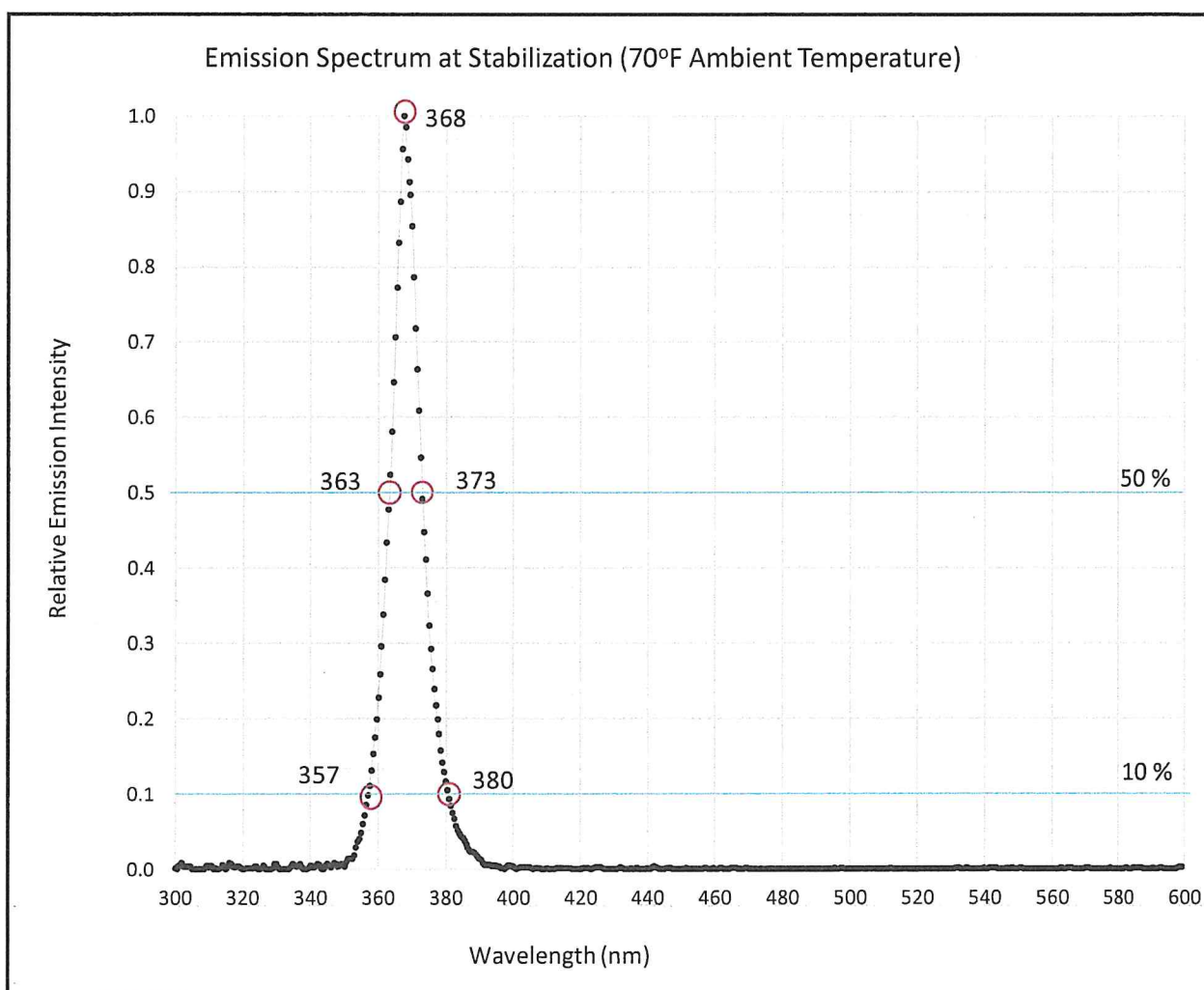




## SN# 290633-02 Lamp Specific Acceptance Test

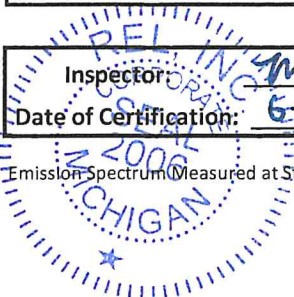
| Model: UV-6400, Nomad-Eclipse          | Result | Steady State | Acceptable  | Units                     |
|----------------------------------------|--------|--------------|-------------|---------------------------|
| Peak Output Wavelength                 | Pass   | 368 -        | $365 \pm 5$ | nm                        |
| 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   | 373 -        | $\leq 377$  | nm                        |
| Max Excitation Irradiance (347-382 nm) | Pass   | 1808 -       | $\geq 1200$ | $\mu\text{W}/\text{cm}^2$ |



Inspector: MUR  
Date of Certification: 6-11-2026

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-Eclipse, Certificate of Conformance

| SN# 290633-02_nomadeclipse_recert1                   | Switch On | Steady State | Elevated Temp* | Acceptable | Units              |
|------------------------------------------------------|-----------|--------------|----------------|------------|--------------------|
| Peak Output Wavelength                               | 367       | 368          | 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                   | 373       | 373          | 375            | ≤ 377      | nm                 |
| Visible Emission at 12 in                            | 11        | 10           | 8              | ≤ 20       | Lux                |
| Visible Emission at 36 in                            | 2         | 2            | 2              | ≤ 5        | Lux                |
| Irradiated Area at 12 in (>1000 μW/cm <sup>2</sup> ) | 12        | 10           | 9              | ≥ 5        | Inch Diameter      |
| Max Excitation Irradiance (347-382 nm)               | 2,260     | 1,808        | 1,400          | ≥ 1200     | μW/cm <sup>2</sup> |
| Irradiance at Peak Output Wavelength                 | 197       | 158          | 120            | -          | μW/cm <sup>2</sup> |
| Min Working Distance** ( < 5000 μW/cm <sup>2</sup> ) | 7         | 7            | 6              | -          | Inches             |
| Max Working Distance** ( > 1200 μW/cm <sup>2</sup> ) | 15        | 14           | 13             | -          | 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-Eclipse has tightly grouped LED emitters, thus beam uniformity does not change with working distance (RRES 90061)

