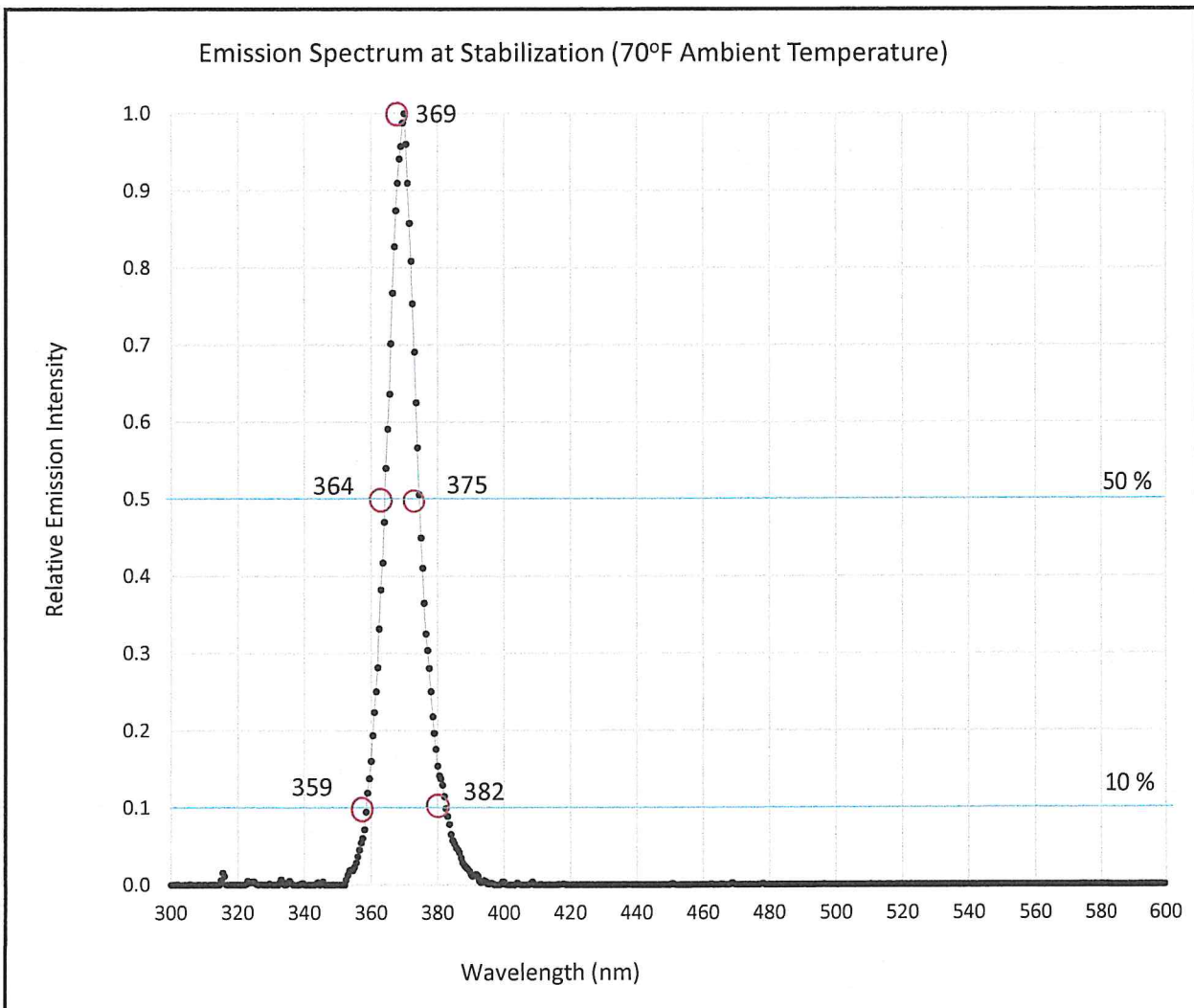




## SN# 290659-09 Lamp Specific Acceptance Test

| Model: Nomad-Ascent                    | Result | Steady State | Acceptable | Units              |
|----------------------------------------|--------|--------------|------------|--------------------|
| Peak Output Wavelength                 | Pass   | 369 ✓        | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)         | Pass   | 11 ✓         | ≤ 15       | nm                 |
| Full Width at 10% Maximum              | Pass   | 23 ✓         | ≤ 30       | nm                 |
| Longest Wavelength at Half Maximum     | Pass   | 375 ✓        | ≤ 377      | nm                 |
| Max Excitation Irradiance (347-382 nm) | Pass   | 1277 ✓       | ≥ 1200     | μW/cm <sup>2</sup> |



Inspector: MHP  
Date of Certification: 2-25-2025

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 16060829, Certificate Number 16060829-UV-CR2-1223

# Nomad-Ascent, Certificate of Conformance



| SN# 290659-09                                        | Switch On | Steady State | Elevated Temp* | Acceptable | Units              |
|------------------------------------------------------|-----------|--------------|----------------|------------|--------------------|
| Peak Output Wavelength                               | 368       | 369          | 370            | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)                       | 11        | 11           | 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)               | 1,596     | 1,277        | 1,200          | ≥ 1000     | μW/cm <sup>2</sup> |
| Irradiance at Peak Output Wavelength                 | 136       | 108          | 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 still light meets requirements**

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

