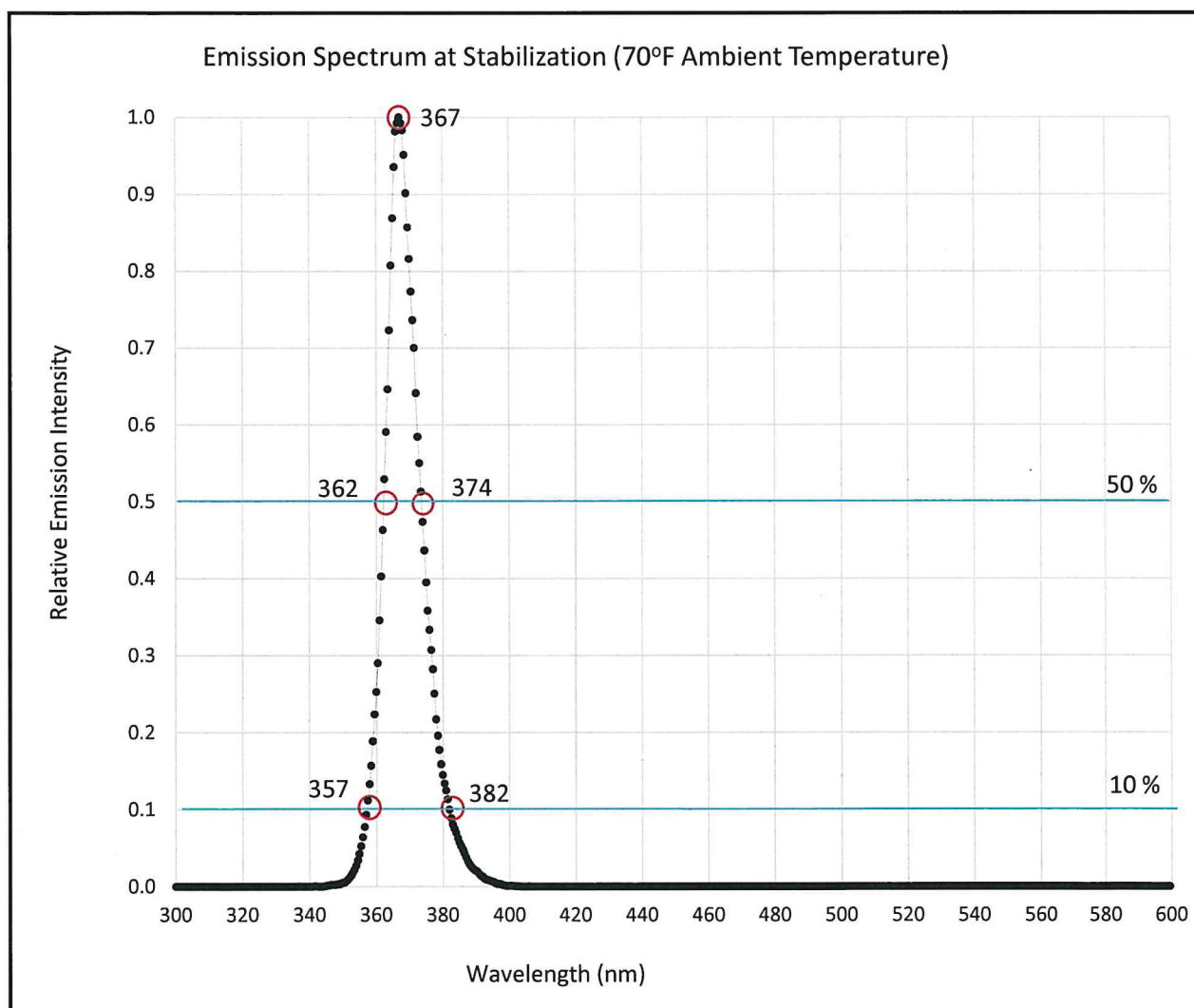




## SN# 20120914 Lamp Specific Acceptance Test

| Model: Nomad                           | Result | Steady State | Acceptable  | Units                     |
|----------------------------------------|--------|--------------|-------------|---------------------------|
| Peak Output Wavelength                 | Pass   | 367 ✓        | $365 \pm 5$ | nm                        |
| Full Width Half Maximum (FWHM)         | Pass   | 12 ✓         | $\leq 15$   | nm                        |
| Full Width at 10% Maximum              | Pass   | 25 ✓         | $\leq 30$   | nm                        |
| Longest Wavelength at Half Maximum     | Pass   | 374 ✓        | $\leq 377$  | nm                        |
| Max Excitation Irradiance (347-382 nm) | Pass   | 2981 ✓       | $\geq 2000$ | $\mu\text{W}/\text{cm}^2$ |



Inspector: CJG  
Date of Certification: 4.27.21

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

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

## C4 Nomad Series, Certificate of Conformance



|                                                              | Switch On | Steady State | Elevated Temp* | Acceptable  | Units                     |
|--------------------------------------------------------------|-----------|--------------|----------------|-------------|---------------------------|
| Peak Output Wavelength                                       | 366       | 367          | 369            | $365 \pm 5$ | nm                        |
| Full Width Half Maximum (FWHM)                               | 12        | 12           | 13             | $\leq 15$   | nm                        |
| Full Width at 10% Maximum                                    | 25        | 25           | 26             | $\leq 30$   | nm                        |
| Longest Wavelength at Half Maximum                           | 373       | 374          | 377            | $\leq 377$  | nm                        |
| Visible Emission at 15 in                                    | 15        | 13           | 9              | $\leq 20$   | Lux                       |
| Visible Emission at 36 in                                    | 3         | 3            | 3              | $\leq 5$    | Lux                       |
| Irradiated Area at 15 in ( $>1000 \mu\text{W}/\text{cm}^2$ ) | 11        | 10           | 9              | $\geq 5$    | Inch Diameter             |
| Max Excitation Irradiance (347-382 nm)                       | 3,726     | 2,981        | 2,700          | $\geq 2000$ | $\mu\text{W}/\text{cm}^2$ |
| Irradiance at Peak Output Wavelength                         | 294       | 235          | 205            | -           | $\mu\text{W}/\text{cm}^2$ |
| Min Working Distance** ( $< 5000 \mu\text{W}/\text{cm}^2$ )  | 13        | 11           | 10             | -           | Inches                    |
| Max Working Distance** ( $> 1200 \mu\text{W}/\text{cm}^2$ )  | 25        | 21           | 19             | -           | Inches                    |
| Body Stabilization Temp (70°F Ambient)                       | -         | 116          | -              | $\leq 120$  | °F                        |
| Current Ripple                                               | 9         | 9            | 9              | $\leq 35$   | mA peak-peak              |
| Typical Battery Discharge Time (36Wh Batt)                   | -         | 150          | -              |             | Minutes                   |

\* Tested in a 110° F Environment, the **maximum ambient temperature where still light meets requirements**

\*\* C4 Nomad series lights use a single LED emitter, thus beam uniformity does not change with working distance (RRES 90061)

