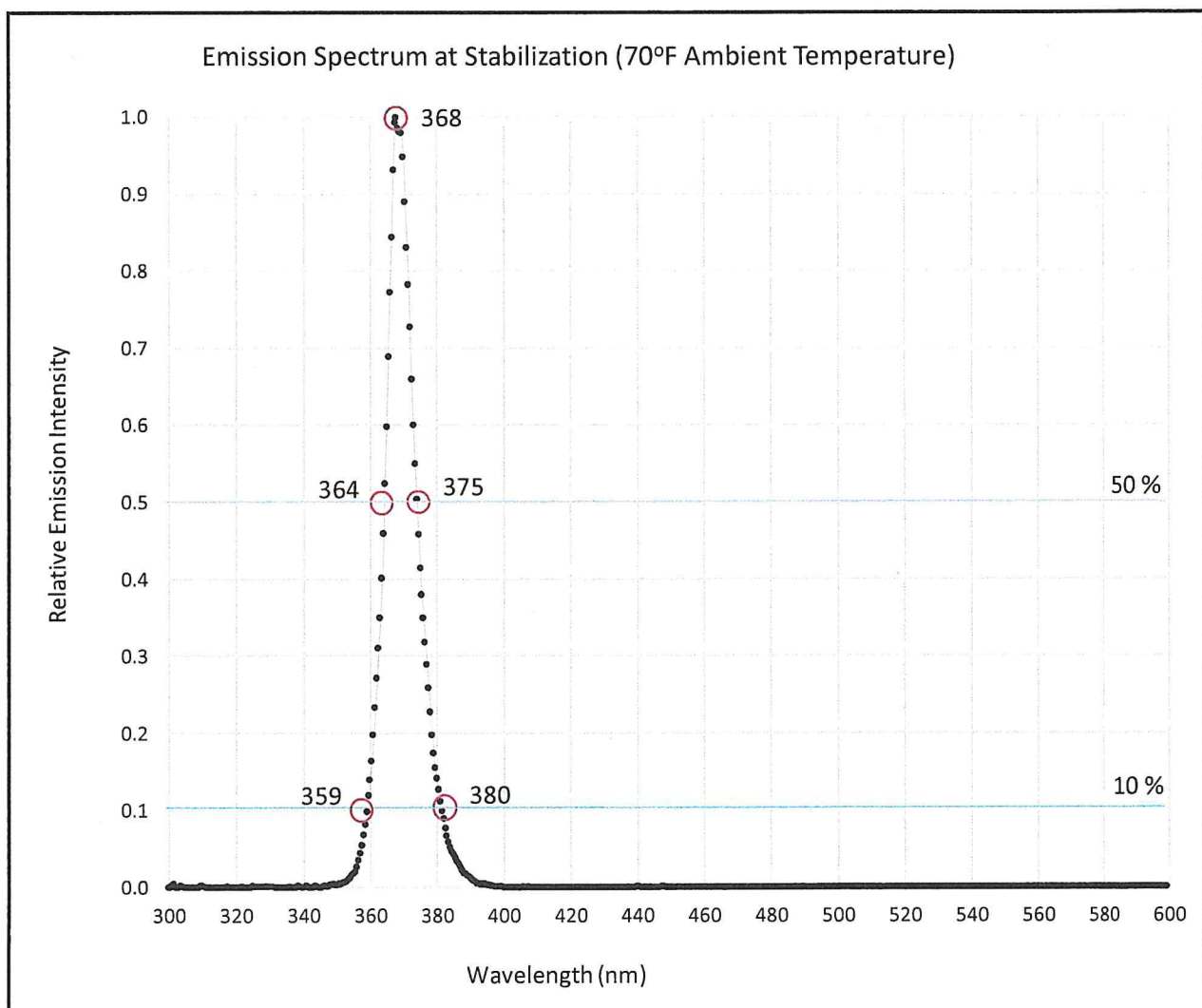


# SN# 000925 Lamp Specific Acceptance Test



| Model: UV-4000, Profusion              | Result | Steady State | Acceptable | Units              |
|----------------------------------------|--------|--------------|------------|--------------------|
| Peak Output Wavelength                 | Pass   | 368 ✓        | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)         | Pass   | 11 ✓         | ≤ 15       | nm                 |
| Full Width at 10% Maximum              | Pass   | 21 ✓         | ≤ 30       | nm                 |
| Longest Wavelength at Half Maximum     | Pass   | 375 ✓        | ≤ 377      | nm                 |
| Max Excitation Irradiance (347-382 nm) | Pass   | 3651 ✓       | ≥ 2000     | μW/cm <sup>2</sup> |



Inspector: MHP  
 Date of Certification: 1-15-2026

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



# Profusion Series, Certificate of Conformance



| SN# 000925                                                   | Switch On | Steady State | Elevated Temp* | Acceptable | Units                     |
|--------------------------------------------------------------|-----------|--------------|----------------|------------|---------------------------|
| Peak Output Wavelength                                       | 367       | 368          | 369            | 365 ± 5    | nm                        |
| Full Width Half Maximum (FWHM)                               | 11        | 11           | 13             | ≤ 15       | nm                        |
| Full Width at 10% Maximum                                    | 21        | 21           | 26             | ≤ 30       | nm                        |
| Longest Wavelength at Half Maximum                           | 374       | 375          | 376            | ≤ 377      | nm                        |
| Visible Emission at 15 in                                    | 9         | 8            | 8              | ≤ 20       | Lux                       |
| Visible Emission at 36 in                                    | 3         | 3            | 3              | ≤ 5        | Lux                       |
| Irradiated Area at 15 in ( $>1000 \mu\text{W}/\text{cm}^2$ ) | 10        | 9            | 8              | ≥ 5        | Inch Diameter             |
| Max Excitation Irradiance (347-382 nm)                       | 4,271     | 3,651        | 2,600          | ≥ 2,000    | $\mu\text{W}/\text{cm}^2$ |
| Irradiance at Peak Output Wavelength                         | 375       | 321          | 210            | -          | $\mu\text{W}/\text{cm}^2$ |
| Min Working Distance** ( $< 5000 \mu\text{W}/\text{cm}^2$ )  | 15        | 13           | 12             | -          | Inches                    |
| Max Working Distance** ( $> 1200 \mu\text{W}/\text{cm}^2$ )  | 27        | 25           | 21             | -          | Inches                    |
| Body Stabilization Temp (70°F Ambient)                       | -         | 104          | -              | ≤ 120      | °F                        |
| Current Ripple                                               | 9         | 9            | 9              | ≤ 35       | mA peak-peak              |

\* Tested in a 115°F Environment, the maximum ambient temperature where light still meets all requirements

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

