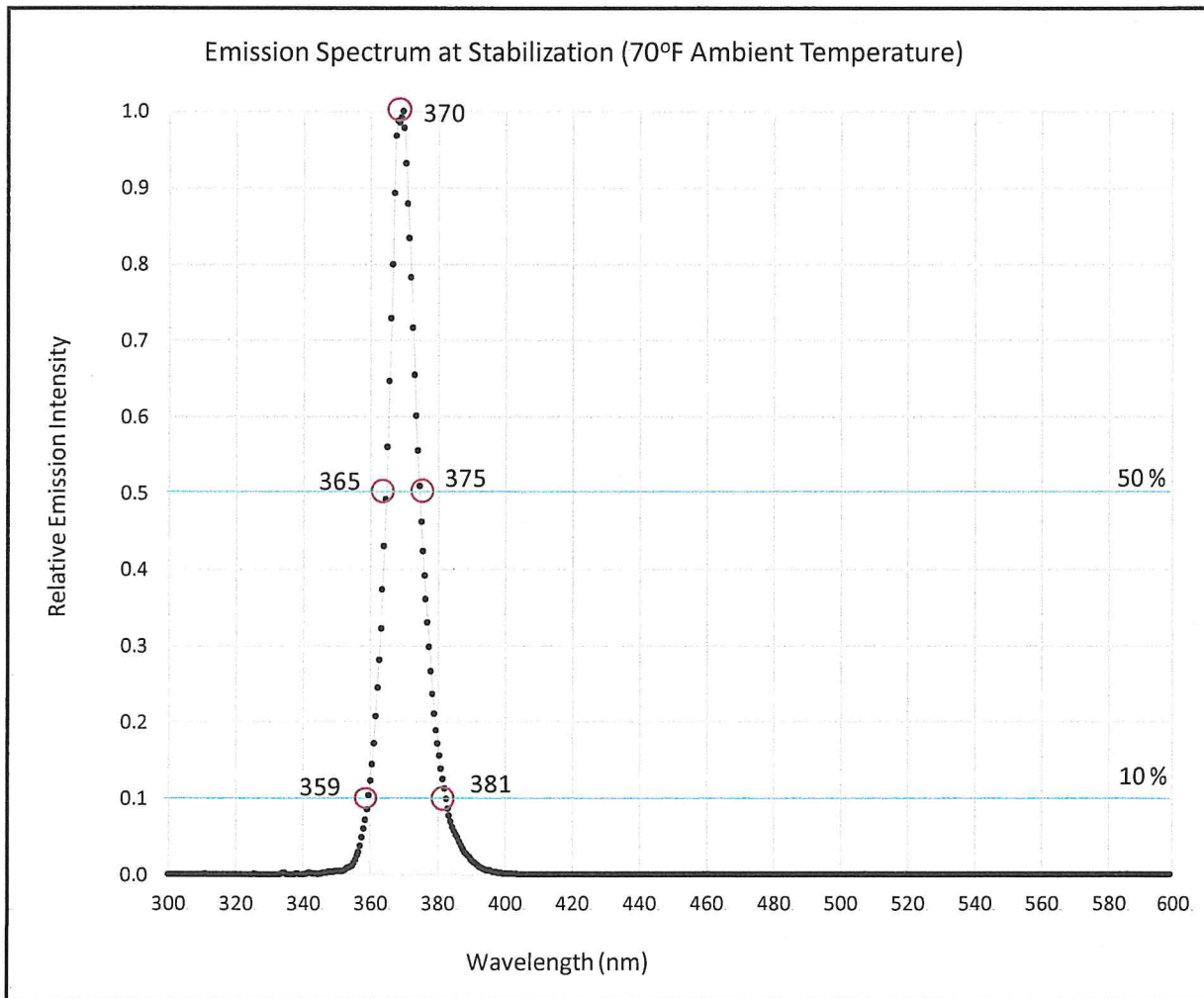


# SN# 001408 Lamp Specific Acceptance Test



| Model: UV-4700, Profusion XW           | Result | Steady State | Acceptable | Units              |
|----------------------------------------|--------|--------------|------------|--------------------|
| Lamp Specific Acceptance Test          | Pass   | 370 -        | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)         | Pass   | 11 -         | ≤ 15       | nm                 |
| Full Width at 10% Maximum              | Pass   | 22 -         | ≤ 30       | nm                 |
| Longest Wavelength at Half Maximum     | Pass   | 375 -        | ≤ 377      | nm                 |
| Max Excitation Irradiance (347-382 nm) | Pass   | 8,470 -      | ≥ 7,000    | μW/cm <sup>2</sup> |



Inspector: REL IN MK  
 Date of Certification: 5-28-2026

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 XW Series, Certificate of Conformance



| SN# 001408                             | Switch On | Steady State | Elevated Temp* | Acceptable  | Units                     |
|----------------------------------------|-----------|--------------|----------------|-------------|---------------------------|
| Peak Output Wavelength                 | 369       | 370          | 370            | $365 \pm 5$ | nm                        |
| Full Width Half Maximum (FWHM)         | 11        | 11           | 13             | $\leq 15$   | nm                        |
| Full Width at 10% Maximum              | 22        | 22           | 27             | $\leq 30$   | nm                        |
| Longest Wavelength at Half Maximum     | 374       | 375          | 376            | $\leq 377$  | nm                        |
| Visible Emission                       | 20        | 18           | 15             | $\leq 20$   | Lux                       |
| Max Excitation Irradiance (347-382 nm) | 9,741     | 8,470        | 7,100          | 7,000       | $\mu\text{W}/\text{cm}^2$ |
| Irradiance at Peak Output Wavelength   | 837       | 728          | 520            | -           | $\mu\text{W}/\text{cm}^2$ |
| Body Stabilization Temp (70°F Ambient) | -         | 92           | -              | $\leq 120$  | °F                        |
| Current Ripple                         | 9         | 9            | 9              | $\leq 35$   | mA peak-peak              |

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

All testing was conducted at 24 inches from sensor unless otherwise noted

