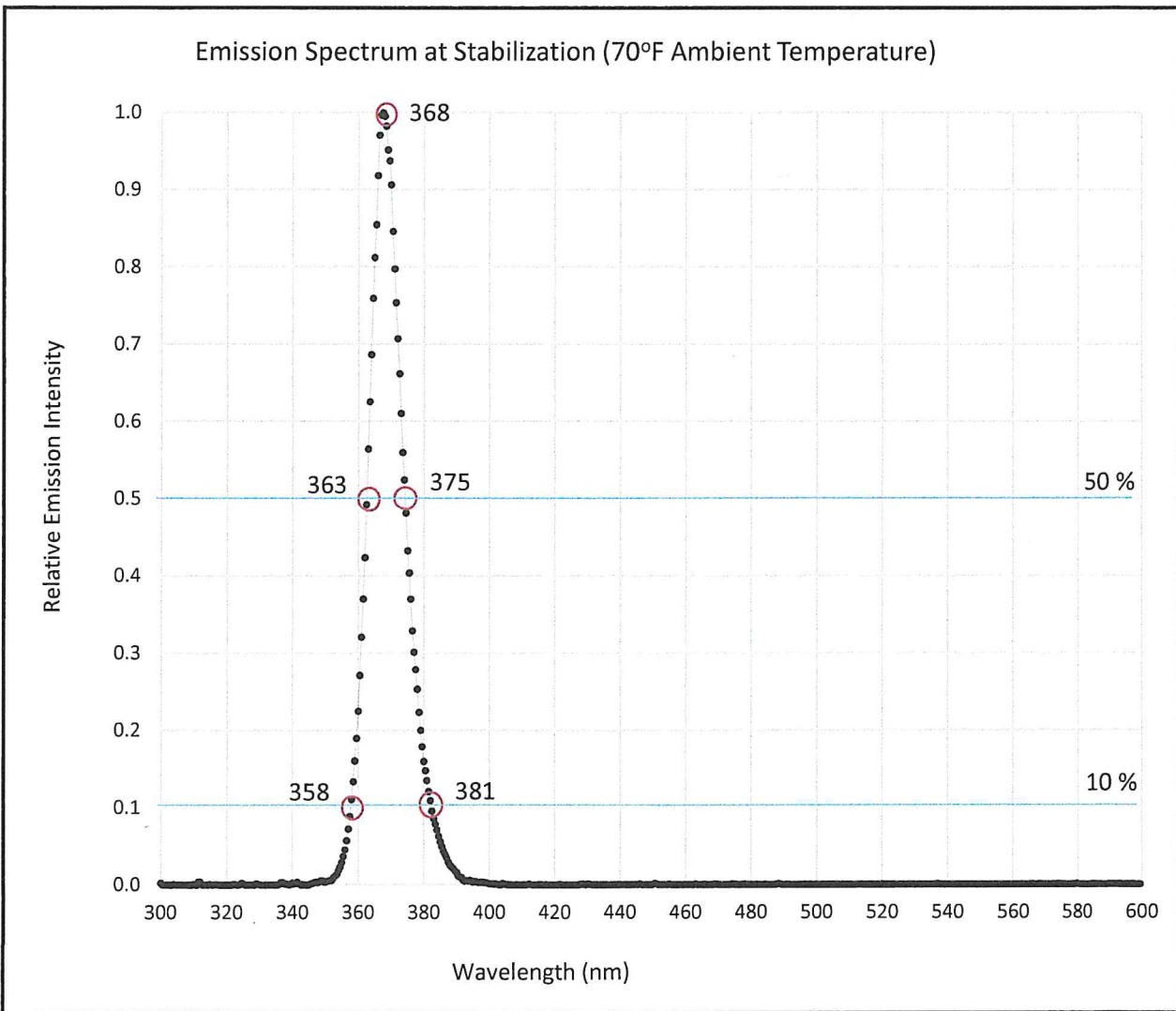


# SN# 290585-03 Lamp Specific Acceptance Test



| Model: Profusion                       | Result | Steady State | Acceptable | Units              |
|----------------------------------------|--------|--------------|------------|--------------------|
| Peak Output Wavelength                 | Pass   | 368 ✓        | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)         | Pass   | 12 ✓         | ≤ 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   | 3990 ✓       | ≥ 2000     | μW/cm <sup>2</sup> |



Inspector: VEP  
 Date of Certification: 6.20.2024

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

# Profusion Series, Certificate of Conformance



| SN# 290585-03                                        | Switch On | Steady State | Elevated Temp* | Acceptable | Units              |
|------------------------------------------------------|-----------|--------------|----------------|------------|--------------------|
| Peak Output Wavelength                               | 367       | 368          | 369            | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)                       | 12        | 12           | 13             | ≤ 15       | nm                 |
| Full Width at 10% Maximum                            | 23        | 23           | 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 μW/cm <sup>2</sup> ) | 10        | 9            | 8              | ≥ 5        | Inch Diameter      |
| Max Excitation Irradiance (347-382 nm)               | 4,668     | 3,990        | 2,600          | ≥ 2,000    | μW/cm <sup>2</sup> |
| Irradiance at Peak Output Wavelength                 | 363       | 310          | 210            | -          | μW/cm <sup>2</sup> |
| Min Working Distance** (< 5000 μW/cm <sup>2</sup> )  | 15        | 13           | 12             | -          | Inches             |
| Max Working Distance** (> 1200 μW/cm <sup>2</sup> )  | 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 still light meets all requirements**

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

