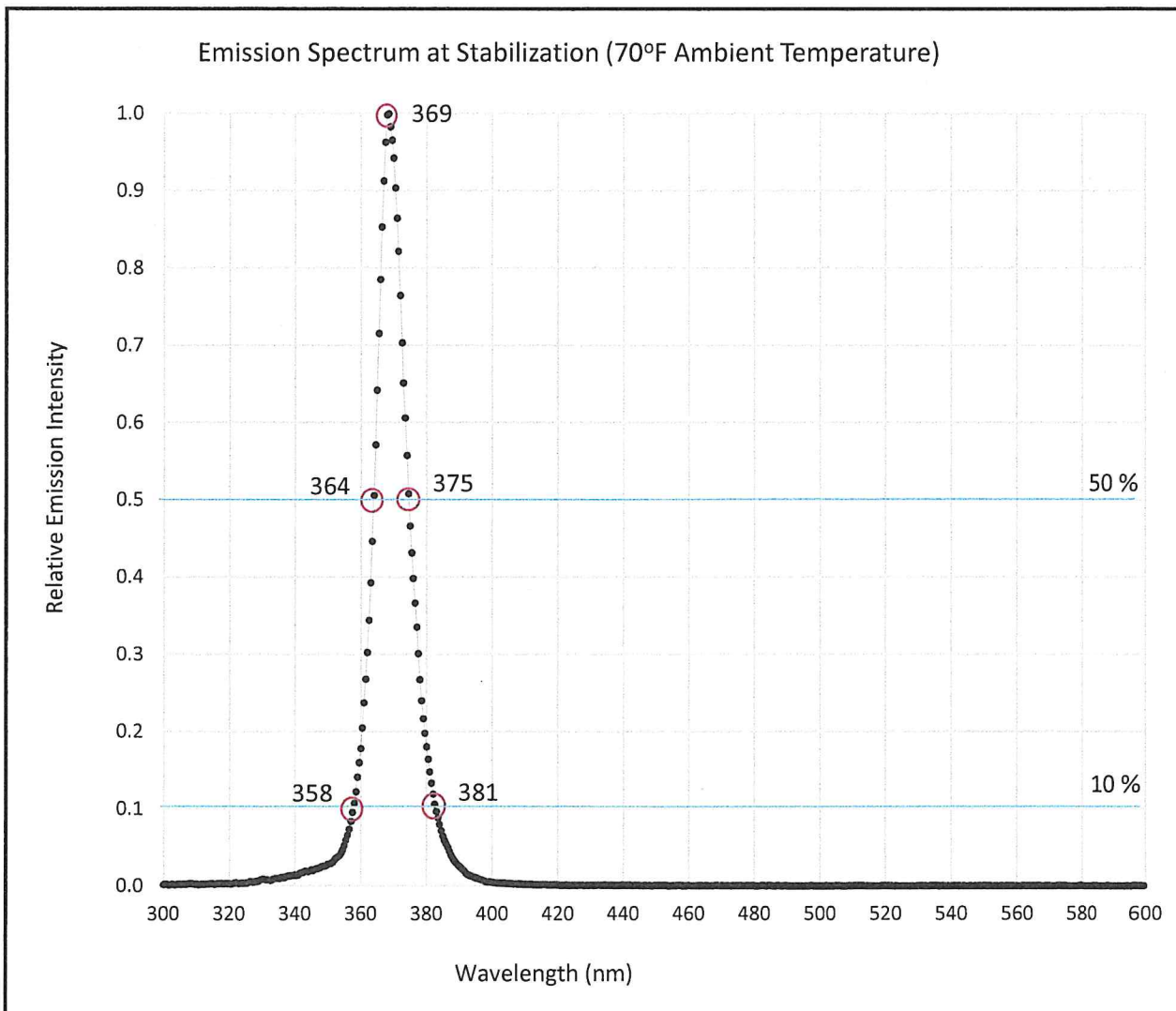


# SN# 290717-07 Lamp Specific Acceptance Test



| Model: Profusion                       | Result | Steady State | Acceptable | Units              |
|----------------------------------------|--------|--------------|------------|--------------------|
| Peak Output Wavelength                 | Pass   | 369 ✓        | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)         | Pass   | 12 ✓         | ≤ 15       | nm                 |
| Full Width at 10% Maximum              | Pass   | 24 ✓         | ≤ 30       | nm                 |
| Longest Wavelength at Half Maximum     | Pass   | 375 ✓        | ≤ 377      | nm                 |
| Max Excitation Irradiance (347-382 nm) | Pass   | 4173 ✓       | ≥ 2000     | μW/cm <sup>2</sup> |



Inspector: REL INC MHP  
 Date of Certification: 2-20-2025

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 22011404, Certificate Number 22011404-UV-CR2-1124



# Profusion Series, Certificate of Conformance



| SN# 290717-07                                        | Switch On | Steady State | Elevated Temp* | Acceptable | Units              |
|------------------------------------------------------|-----------|--------------|----------------|------------|--------------------|
| Peak Output Wavelength                               | 368       | 369          | 369            | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)                       | 12        | 12           | 13             | ≤ 15       | nm                 |
| Full Width at 10% Maximum                            | 24        | 24           | 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)               | 4,883     | 4,173        | 2,600          | ≥ 2,000    | μW/cm <sup>2</sup> |
| Irradiance at Peak Output Wavelength                 | 390       | 333          | 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)

