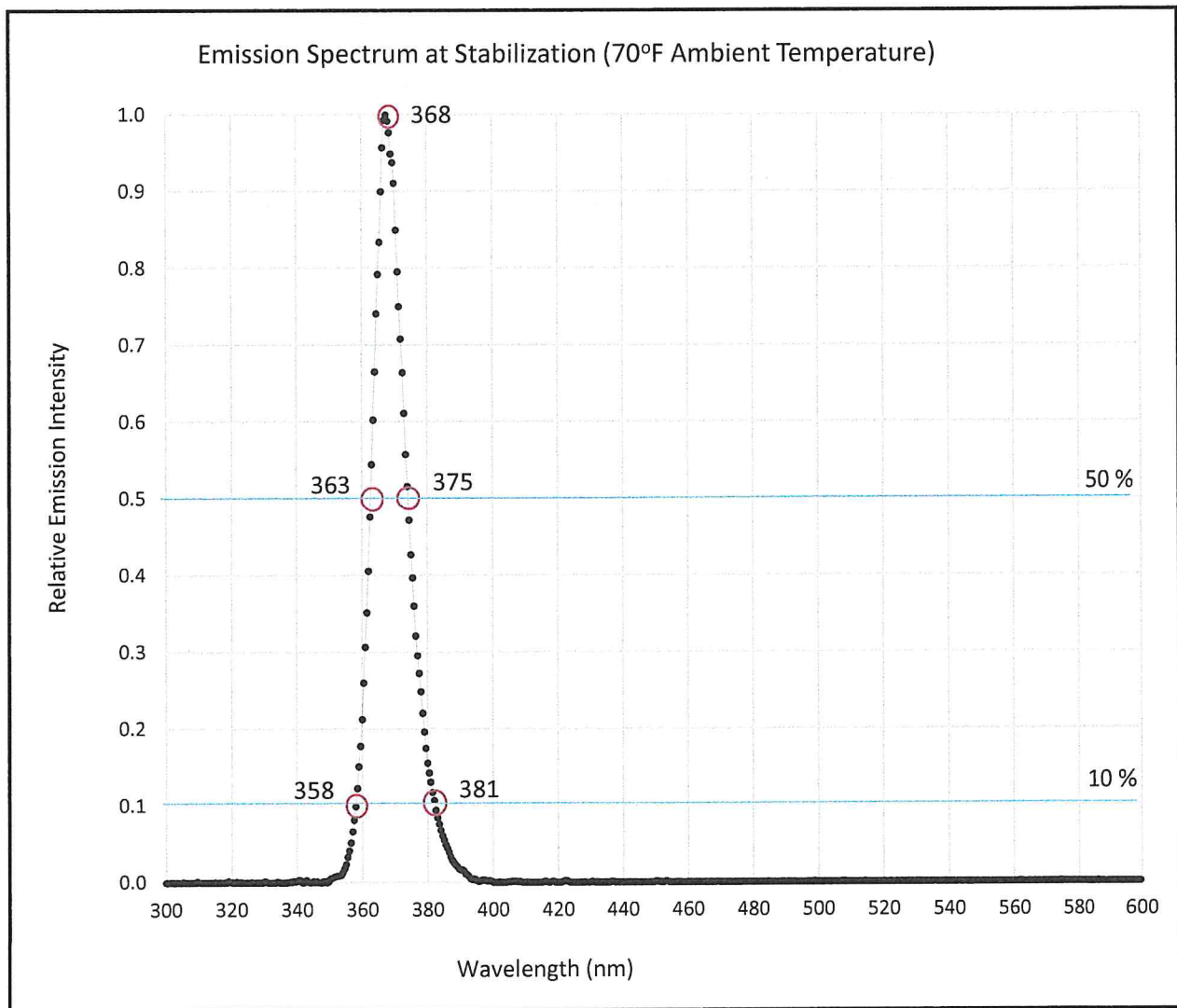


SN# 290568-03 Lamp Specific Acceptance Test



| 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 | 3896 ✓ | ≥ 2000 | μW/cm ² |



Inspector: 120
 Date of Certification: 5.23.2024

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# 290568-03 | 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 ²) | 10 | 9 | 8 | ≥ 5 | Inch Diameter |
| Max Excitation Irradiance (347-382 nm) | 4,558 | 3,896 | 2,600 | ≥ 2,000 | μW/cm ² |
| Irradiance at Peak Output Wavelength | 361 | 309 | 210 | - | μW/cm ² |
| Min Working Distance** (< 5000 μW/cm ²) | 15 | 13 | 12 | - | Inches |
| Max Working Distance** (> 1200 μW/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 still light meets all requirements

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

