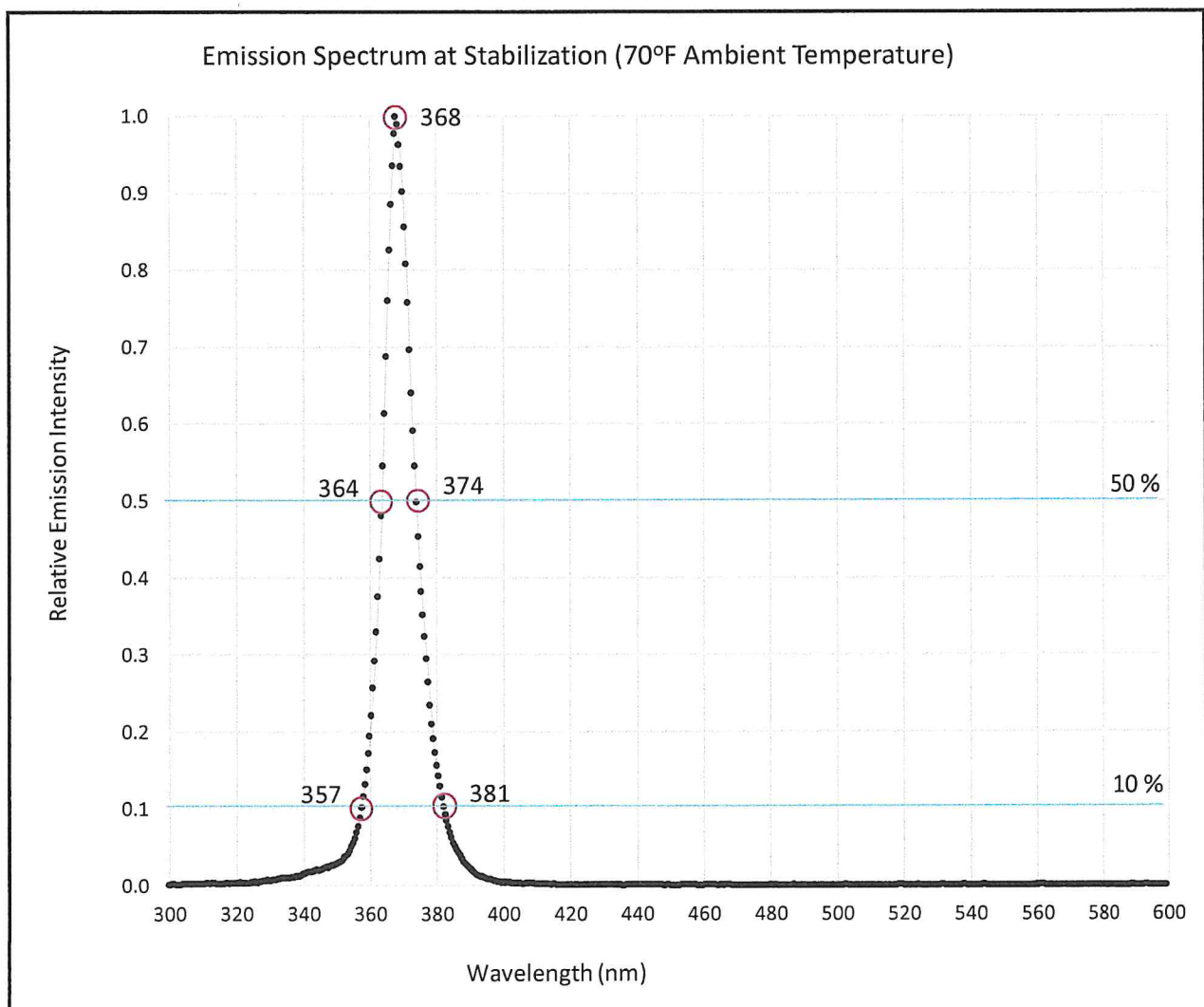


SN# 000449 Lamp Specific Acceptance Test



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	24 ⁻	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	374 ⁻	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	3770 ⁻	≥ 2000	μW/cm ²



Inspector: MHP
 Date of Certification: 10-14-2025

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# 000449	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	24	24	26	≤ 30	nm
Longest Wavelength at Half Maximum	373	374	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)	4,410	3,770	2,600	$\geq 2,000$	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	360	308	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 still light meets all requirements**

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

