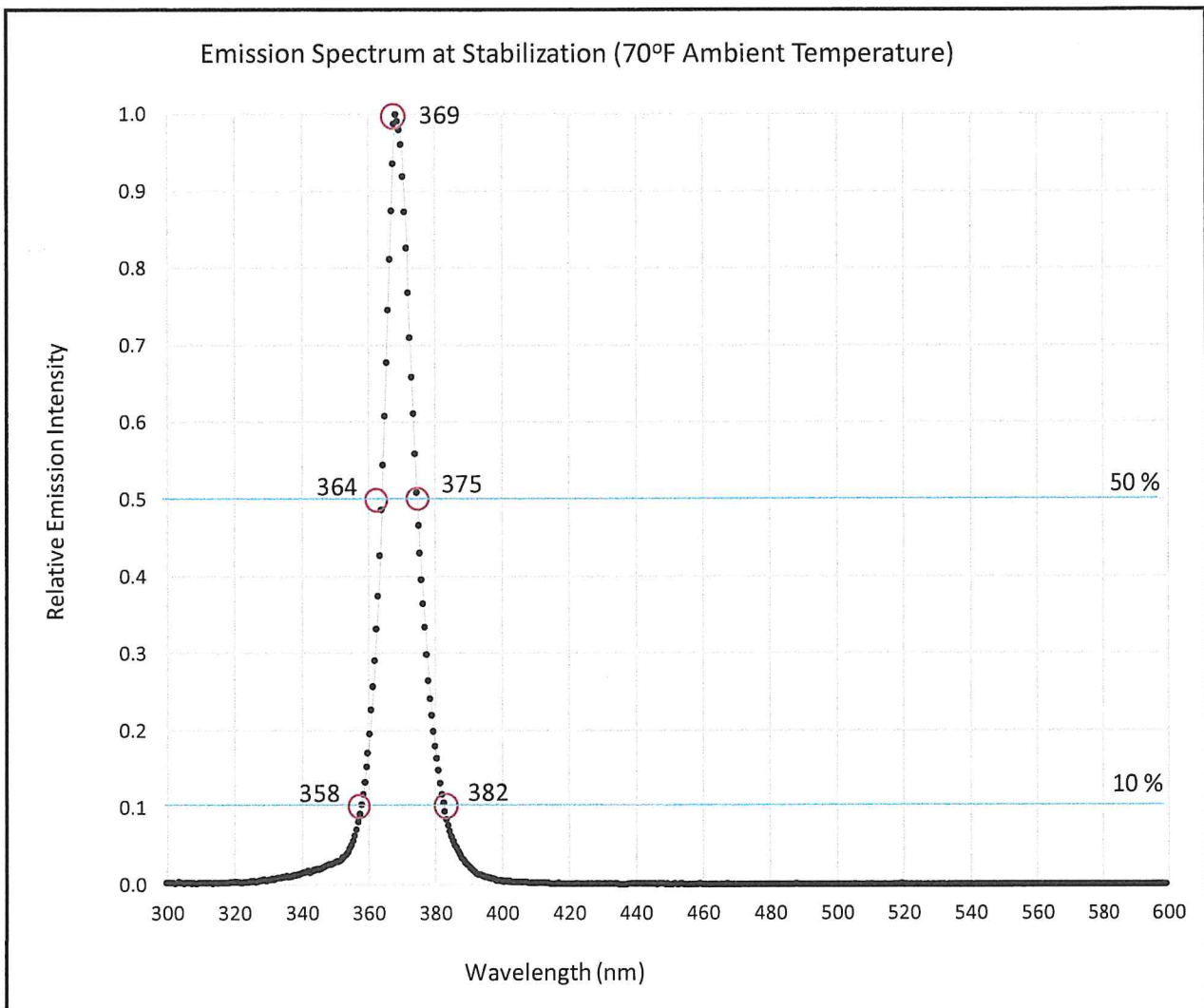


SN# 290681-27 Lamp Specific Acceptance Test



Model: UV-4000, Profusion	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	369 -	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	11 -	≤ 15	nm
Full Width at 10% Maximum	Pass	25 -	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375 -	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	3787 -	≥ 2000	μW/cm ²



Inspector: IN MHP
 Date of Certification: 9-15-2025

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# 290681-27_profusion_recert1	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	368	369	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	11	11	13	≤ 15	nm
Full Width at 10% Maximum	25	25	26	≤ 30	nm
Longest Wavelength at Half Maximum	374	375	377	≤ 377	nm
Visible Emission at 15 in	14	13	10	≤ 20	Lux
Visible Emission at 36 in	3	3	3	≤ 5	Lux
Irradiated Area at 15 in ($>1000 \mu\text{W}/\text{cm}^2$)	11	10	9	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	4,431	3,787	2,400	$\geq 2,000$	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	359	307	185	-	$\mu\text{W}/\text{cm}^2$
Min Working Distance** ($< 5000 \mu\text{W}/\text{cm}^2$)	15	14	13	-	Inches
Max Working Distance** ($> 1200 \mu\text{W}/\text{cm}^2$)	25	21	19	-	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)

