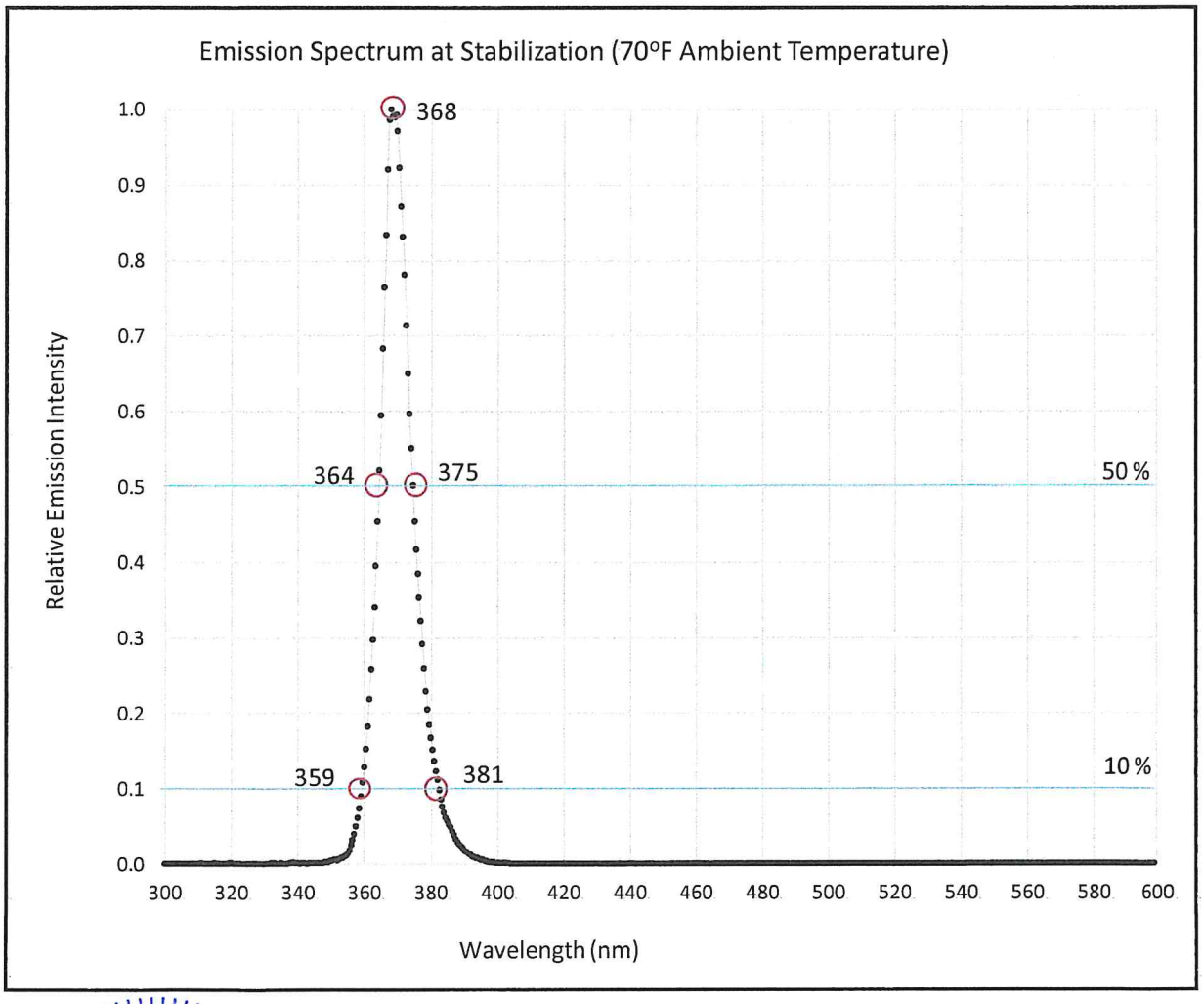
SN# 001410 Lamp Specific Acceptance Test

Model: UV-4700, Profusion XW	Result	Steady State	Acceptable	Units
Lamp Specific Acceptance Test	Pass	368	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	11	≤ 15	nm
Full Width at 10% Maximum	Pass	22	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	8,290	≥ 7,000	$\mu W/cm^2$



Inspector: MK

Date of Certification: 5.28.2026

REL, INC. CORPORATE SEAL 2006 MICHIGAN

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 18120729, Certificate Number 18120729-UV-CR2-0925

Profusion XW Series, Certificate of Conformance

SN# 001410	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	367	368	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	11	11	13	≤ 15	nm
Full Width at 10% Maximum	22	22	27	≤ 30	nm
Longest Wavelength at Half Maximum	374	375	376	≤ 377	nm
Visible Emission	20	18	15	≤ 20	Lux
Max Excitation Irradiance (347-382 nm)	9,534	8,290	7,100	7,000	$\mu W/cm^2$
Irradiance at Peak Output Wavelength	811	706	520	-	$\mu W/cm^2$
Body Stabilization Temp (70°F Ambient)	-	92	-	≤ 120	°F
Current Ripple	9	9	9	≤ 35	mA peak-peak

** Tested in a **115° F** Environment, the **maximum ambient temperature where light still meets all requirements***

All testing was conducted at 24 inches from sensor unless otherwise noted

