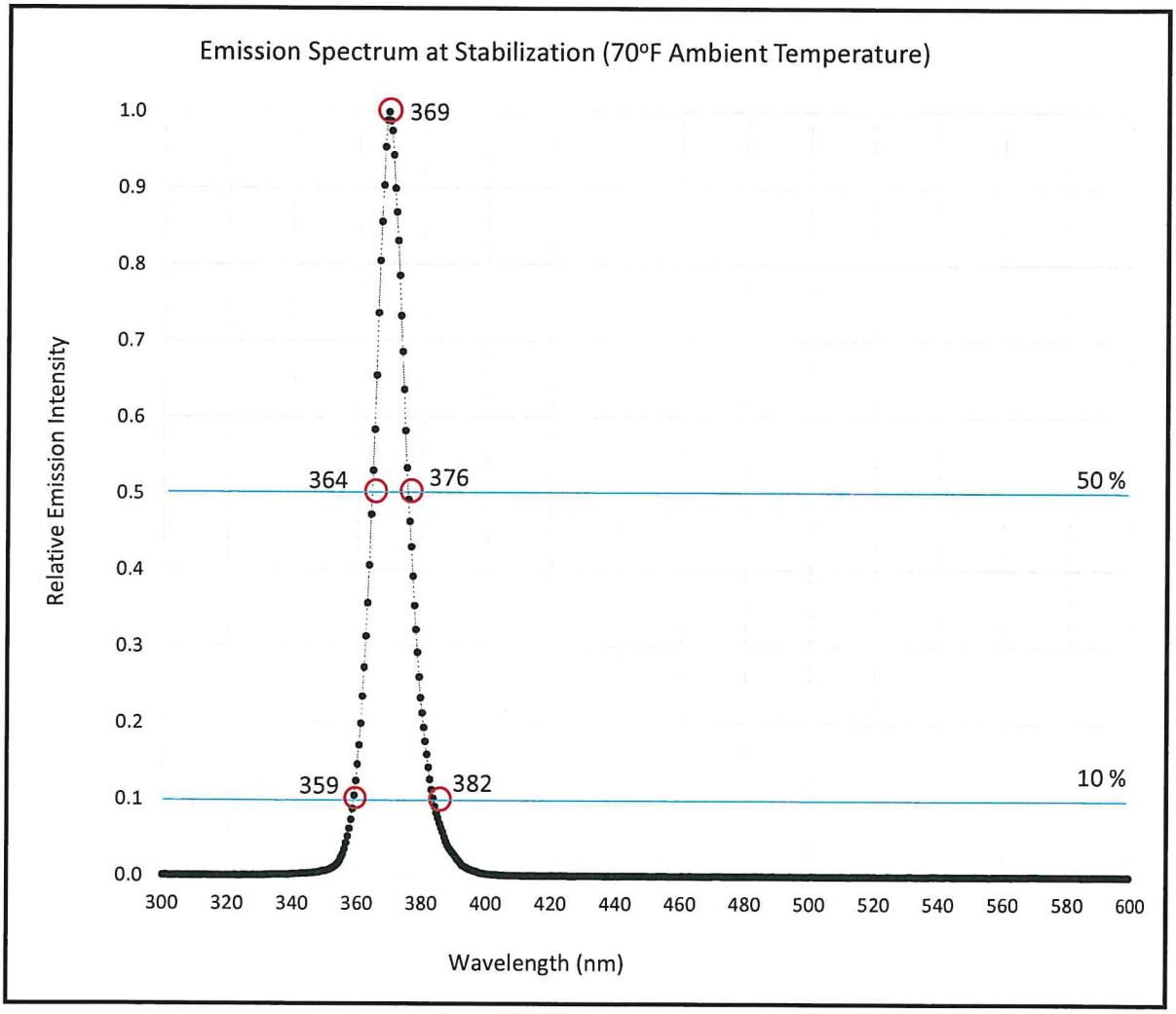
SN# 001616 Lamp Specific Acceptance Test

Model: UV-4700, Profusion XW	Result	Steady State	Acceptable	Units
Lamp Specific Acceptance Test	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	376 ✓	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	8,054 ✓	≥ 7,000	$\mu W/cm^2$



Inspector: QR

Date of Certification: 10-23-2026

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 26011309, Certificate Number 26011309-UV-CR2-0126

REL INC CORPORATE SEAL 2006 MICHIGAN

Profusion XW Series, Certificate of Conformance

SN# 001616	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	368	369	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	12	12	13	≤ 15	nm
Full Width at 10% Maximum	24	24	27	≤ 30	nm
Longest Wavelength at Half Maximum	375	376	376	≤ 377	nm
Visible Emission	20	18	15	≤ 20	Lux
Max Excitation Irradiance (347-382 nm)	9,263	8,054	7,100	7,000	$\mu W/cm^2$
Irradiance at Peak Output Wavelength	742	645	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

