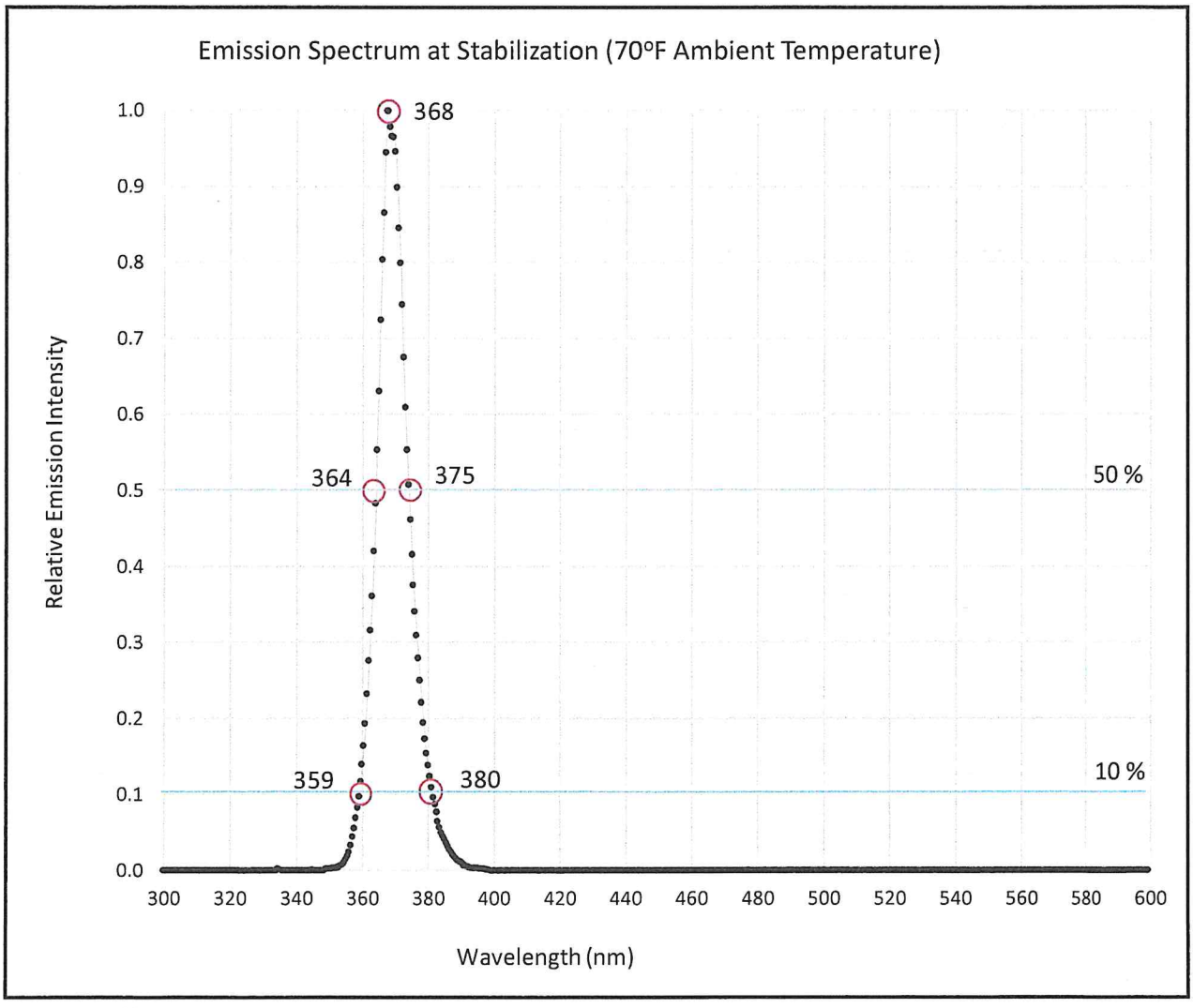
SN# 001493 Lamp Specific Acceptance Test

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	21	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	4139	≥ 2000	$\mu W/cm^2$



Inspector: TMK

Date of Certification: 6-11-2026

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 Series, Certificate of Conformance

SN# 001493	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	21	21	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)	4,843	4,139	2,600	≥ 2,000	µW/cm^2
Irradiance at Peak Output Wavelength	422	361	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 light still meets all requirements***

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

