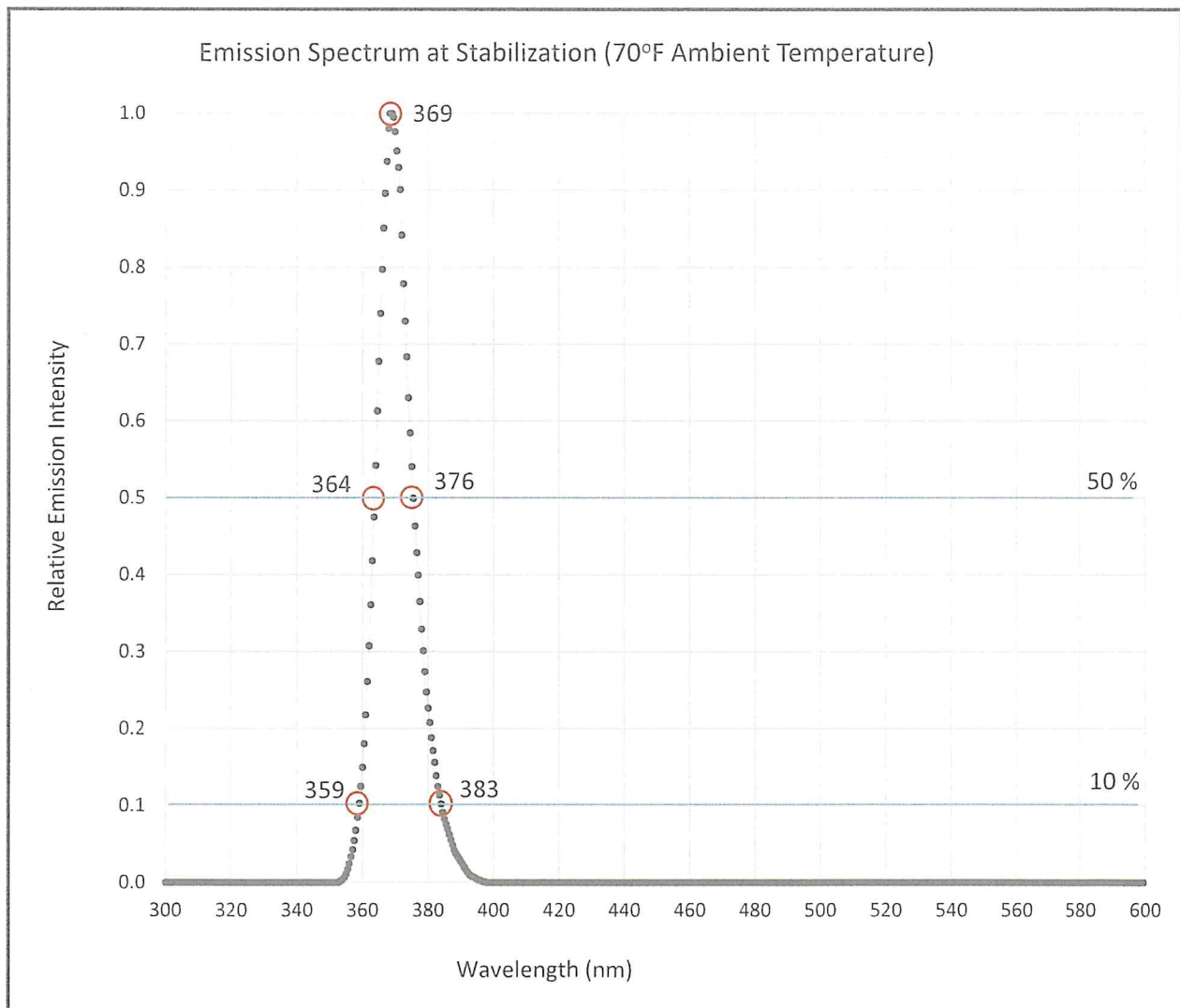


SN# 20010943 Lamp Specific Acceptance Test



Model: Profusion	Result	Steady State	Acceptable	Units
Peak Output Wavelength	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	3026 ✓	≥ 2000	μW/cm ²



Inspector:

CSG

Date of Certification:

5.24.2021

This lamp has been tested to conform to all requirements of:

ASTM E3022 ✓

ISO 3059 ✓

RRES 90061 ✓

Emission Spectrum Measured at Stabilization Temperature with Blue-wave UV-25 S/N 18120729, Certificate Number 18120729-UV-CR2

Profusion Series, Certificate of Conformance



	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	26	≤ 30	nm
Longest Wavelength at Half Maximum	375	376	377	≤ 377	nm
Visible Emission at 15 in	13	11	9	≤ 20	Lux
Visible Emission at 36 in	3	3	3	≤ 5	Lux
Irradiated Area at 15 in ($>1000 \mu\text{W}/\text{cm}^2$)	9	9	8	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	3,540	3,026	2,350	$\geq 2,000$	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	275	235	175	-	$\mu\text{W}/\text{cm}^2$
Min Working Distance** ($< 5000 \mu\text{W}/\text{cm}^2$)	13	11	10	-	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)

