



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

OSRAM SYLVANIA, Metrology & Analytics Services

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CALIBRATION LABORATORIES

NVLAP LAB CODE 100403-0

OPTICAL RADIATION

NVLAP Code: 20/O02

Photometric²

<i>Parameter</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
Luminous Flux	0.64 %	
Correlated Color Temperature	6.8 K	
Color	0.0005	In x and y

NVLAP Code: 20/O03

Radiometric

Spectral Irradiance Measurements²

<i>Range in nm</i>	<i>Best Uncertainty (±) in % ^{note 1}</i>	<i>Remarks</i>
250	3.7	Incandescent or Halogen
350	1.1	Incandescent or Halogen
450	0.7	Incandescent or Halogen
550	0.6	Incandescent or Halogen
650	0.7	Incandescent or Halogen
750	0.7	Incandescent or Halogen

2011-07-01 through 2012-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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850	0.6	Incandescent or Halogen
950	0.4	Incandescent or Halogen
200	6.0	Deuterium
250	2.0	Deuterium
260	2.4	Deuterium
Correlated Color Temperature		
	6.6 K	

Total Spectral Radiant Flux

Parameter

Best Uncertainty (\pm) ^{note 1} for indicated lamp type

	FEL	9005
Level	0.7 %	0.5 %
CCT	5 K	7 K
Color (x)	0.0004	0.0005
Color (y)	0.0003	0.0004
360 nm	1.3 %	17.6 %
400 nm	1.1 %	1.4 %
450 nm	0.8 %	1.0 %
550 nm	0.8 %	0.7 %
650 nm	0.6 %	0.6 %
750 nm	0.5 %	0.5 %
830 nm	0.6 %	0.6 %

1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.
2. All photometric and radiometric calibration services are for internal calibration and are not available outside of OSRAM Sylvania.

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