

## Photometry and Radiometry, Thailand, NIMT (National Institute of Metrology (Thailand))



Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					Comments	NMI Service Identifier
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of Confidence	Is the expanded uncertainty a relative one?		
Irradiance, spectral	Tungsten lamp	Monochromator	3E-05	4E-02	(W/m <sup>2</sup> )/nm	Wavelength range	290 nm to 300 nm	6.6	%	2	~ 95%	Yes	Approved on 16 January 2011	13030-10101
						Bandwidth	5 nm							
Irradiance, spectral	Tungsten lamp	Monochromator	3E-05	4E-02	(W/m <sup>2</sup> )/nm	Wavelength range	300 nm to 500 nm (excludes 300 nm)	5.6	%	2	~ 95%	Yes	Approved on 16 January 2011	13030-10101
						Bandwidth	5 nm							
Irradiance, spectral	Tungsten lamp	Monochromator	6E-03	0.13	(W/m <sup>2</sup> )/nm	Wavelength range	500 nm to 600 nm (excludes 500 nm and 600 nm)	3.3	%	2	~ 95%	Yes	Approved on 16 January 2011	13030-10101
						Bandwidth	5 nm							
Irradiance, spectral	Tungsten lamp	Monochromator	2E-02	0.2	(W/m <sup>2</sup> )/nm	Wavelength range	600 nm to 830 nm (excludes 830 nm)	3.9	%	2	~ 95%	Yes	Approved on 16 January 2011	13030-10101
						Bandwidth	5 nm							
Irradiance, spectral	Tungsten lamp	Monochromator	5E-03	0.2	(W/m <sup>2</sup> )/nm	Wavelength range	830 nm to 900 nm	6.5	%	2	~ 95%	Yes	Approved on 16 January 2011	13030-10101
						Bandwidth	10 nm							