Photometry and Radiometry, Malaysia, NML-SIRIM (National Metrology Laboratory, SIRIM Berhad)

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
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?**	**Comments**
Luminous intensity	Tungsten lamp	Photometric bench and reference lamps/photometer	100	1000	cd	Correlated colour temperature	2000 K to 2856 K	0.7	%	2	95%	Yes	Approved on 27 September 2004
Luminous intensity	Tungsten lamp	Photometric bench and reference lamps/photometer	100	1000	cd	Correlated colour temperature	2856 K to 3000 K	0.7	%	2	95%	Yes	Approved on 27 September 2004
Luminous flux	Tungsten lamp	Photometric bench and reference lamps/photometer	300	4000	lm	Correlated colour temperature	2000 K to 2856 K	0.9	%	2	95%	Yes	Approved on 27 September 2004
Illuminance	Tungsten lamp	Photometric bench and reference lamps/photometer	10	1000	lx	Correlated colour temperature	2500 K to 3000 K	0.9	%	2	95%	Yes	Approved on 27 September 2004
Correlated colour temperature	Tungsten lamp	Spectral distribution	2600	3000	K	Correlated colour temperature	2500 K to 3000 K	20	K	2	95%	No	Approved on 27 September 2004
						Bandwidth	< 3 nm						
Transmittance, regular, spectral	Spectrally neutral material	Reference spectrophotometer	0	1		Wavelength	200 nm to 900 nm	0.05		2	95%	No	Approved on 27 September 2004
Responsivity	Fiber optic power meter	Comparison with reference power meter			Reading/W or dBm	Wavelength	1310 nm	2	%	2	95%	Yes	Approved on 27 September 2004
						Bandwidth	< 1 nm						
Responsivity	Fiber optic power meter	Comparison with reference power meter			Reading/W or dBm	Wavelength	1550 nm	2	%	2	95%	Yes	Approved on 27 September 2004
						Bandwidth	< 1 nm						