

TEST REPORT EN 62471:2008 Photobiological safety of lamps and lamp systems
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Note:

Test item particulars

Lamp classification group.....:Risk Group 1

Possible test case verdicts

General remarks:

Remark:
Appendix A - EUT photos
Appendix B - Test equipment list

General Product Information:

FENVA

	$L_B t = \int_{300}^{700} L(\lambda, t) B(\lambda) d\lambda \quad t^{-2} \quad \lambda^{-1}$		
	$L_B = \int_{300}^{700} L_\lambda B(\lambda) d\lambda$		
	$E_B t = \int_{300}^{700} E_\lambda(\lambda, t) B(\lambda) d\lambda \quad t^{-2}$		
	$E_B = \int_{300}^{700} E_\lambda B(\lambda) d\lambda$		
	$L_{IR} = \int_{38}^{1400} L_\lambda R(\lambda) \Delta\lambda \leq 50000 \quad \text{W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$		
	$L_{IR} = \int_{780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \leq \frac{6000}{\alpha} \quad \text{W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$		
	$E_{IR} = \int_{780}^{3000} E_\lambda \cdot \Delta\lambda \leq 18000 \cdot t^{-0,75} \quad \text{W}\cdot\text{m}^{-2}$		

$$E_{\text{IR}} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta\lambda \leq 100$$

$\text{W}\cdot\text{m}^{-2}$

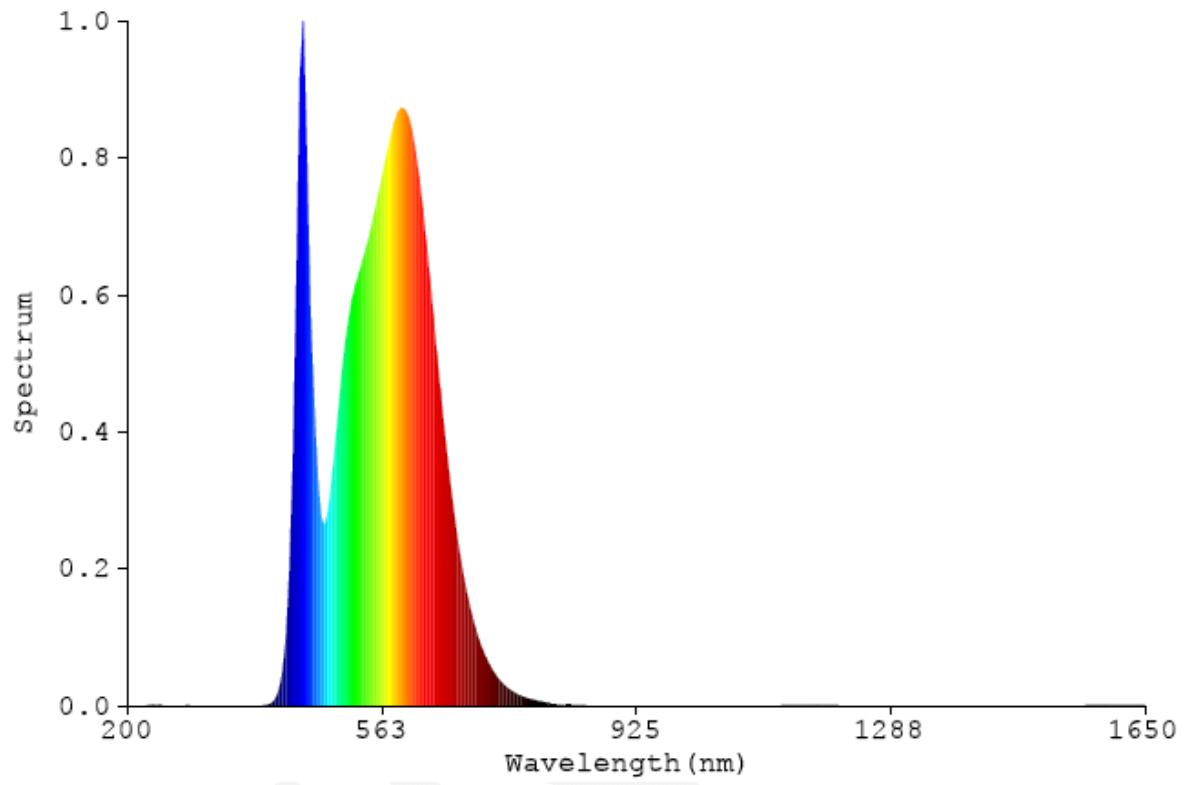
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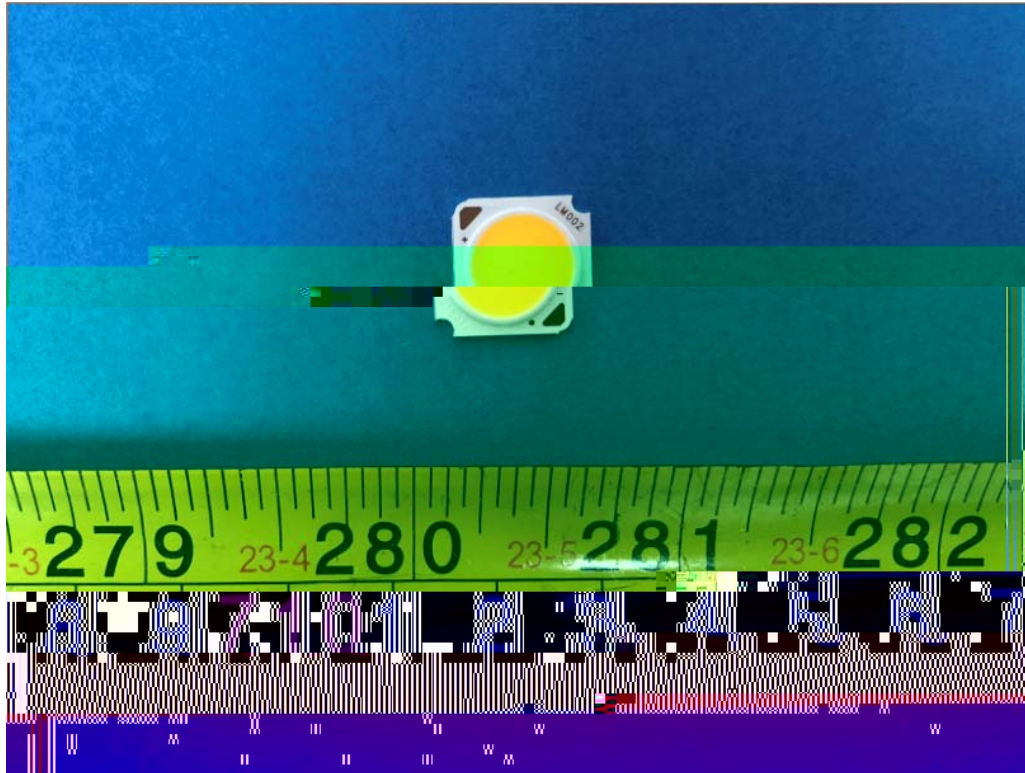
Table 5.4					-
Hazard Name	Relevant equation	Wavelength Range nm	Explosure aperture rad(deg)	Limiting aperture rad(deg)	EL in items of constant irradiance $W.m^{-2}$

Table 5.5					-
Hazard Name	Relevant equation	Wavelength Range nm	Explosure duration Sec	Field of view radians	EL in terms of constant radiance $W.m^{-2}.sr^{-1}$

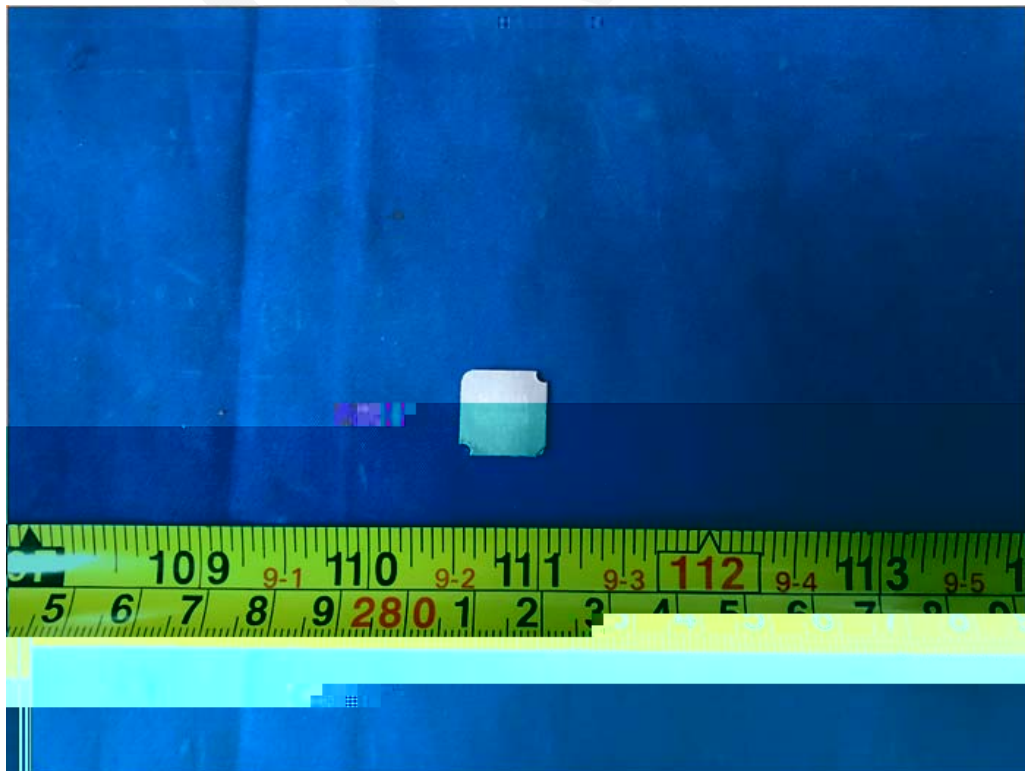


FBI

The front view of EUT



The back view of EUT





Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due

End of report