



TEST REPORT

EN 62471:2008

Photobiological safety of lamps and lamp systems

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Note:

FULLY APPROVED



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:

FENVAL

	700 300 t	-2 -1	
	700 300 λ		
	700 B 300 t λ	-2	
	700 λ 300		
	$L_{IR} = \sum_{38}^{1400} R(\lambda) \cdot \Delta\lambda = \frac{50000}{0.25} \text{ W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$		
	$L_{IR} = \sum_{780}^{1400} L_{\lambda} \cdot R(\lambda) \cdot \Delta\lambda \leq \frac{6000}{\alpha} \text{ W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$		
	$E_{IR} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta\lambda \leq 18000 \cdot t^{-0.75} \text{ W}\cdot\text{m}^{-2}$		

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

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

FENVAL

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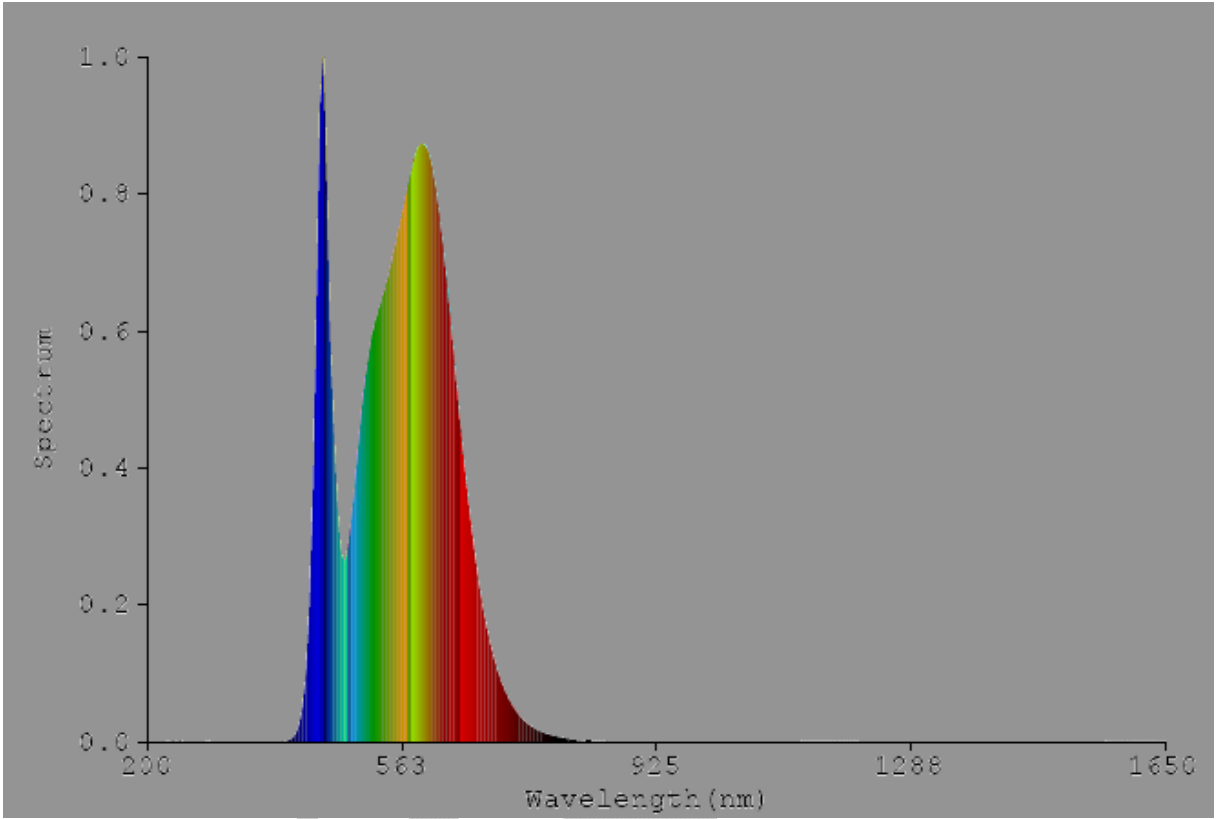
FENVAL

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 $W.m^{-2}.sr^{-1}$



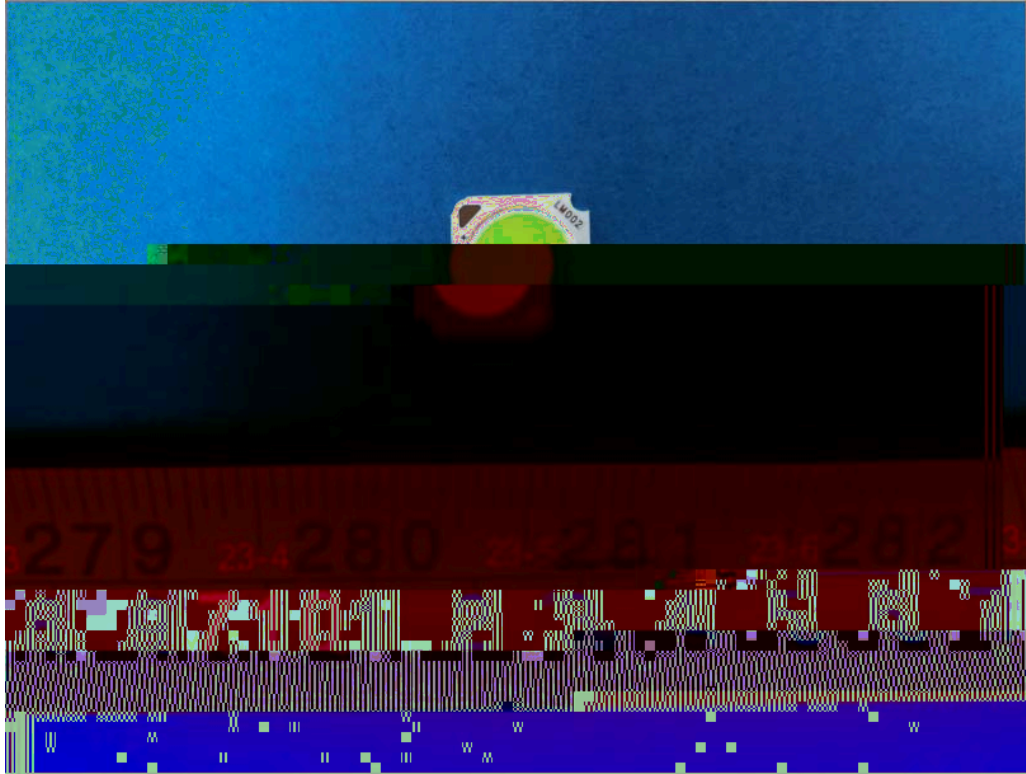
FINANCIAL



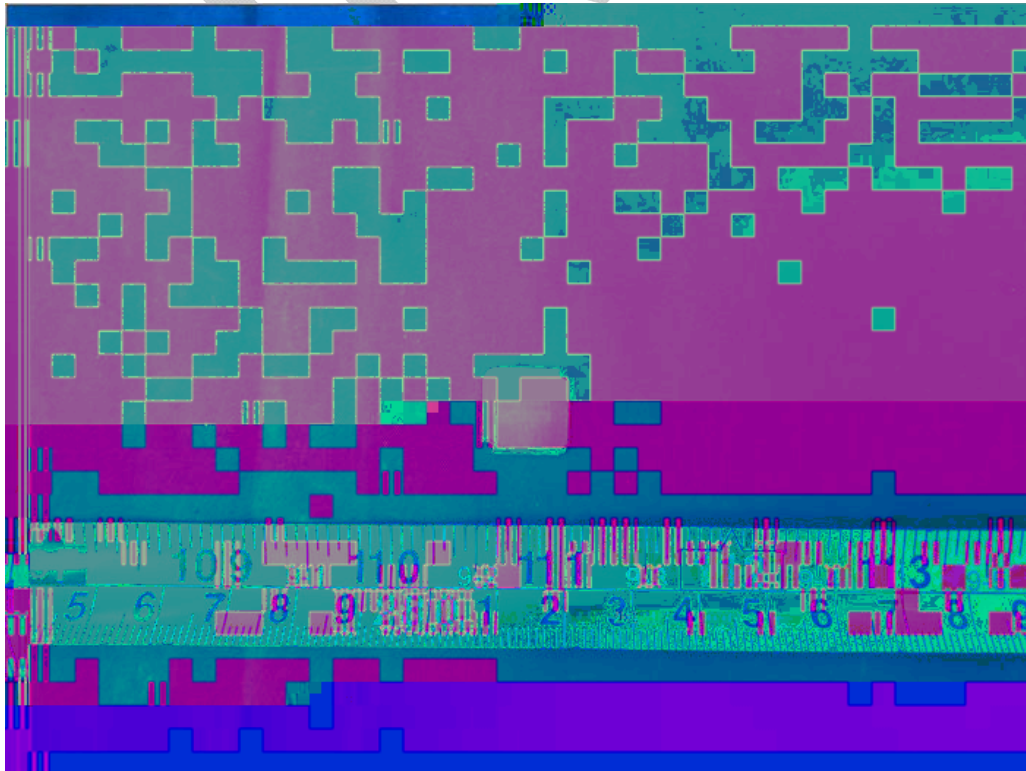
FULL



The front view of EUT



The back view of EUT





Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due

End of report