



TEST REI

EN 62471

Photobiological safety of la

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:

	$L_B = \sum_{300}^{700} L_\lambda(\lambda, t) B(\lambda) \Delta t \Delta \lambda \leq$	t^{-2}	
	$L_B = \sum_{300}^{700} L_\lambda B(\lambda) \Delta \lambda \leq$		
		α	
	$E_B = \sum_{300}^{700} E_\lambda(\lambda, t) B(\lambda) \Delta t \Delta \lambda \leq$	t^{-2}	
	$E_B = \sum_{300}^{700} E_\lambda B(\lambda) \Delta \lambda \leq$		
	$I_{IR} = \sum_{38}^{1400} L_\lambda R(\lambda) \Delta \lambda \leq \frac{50000}{\alpha \cdot 25} W \cdot m^{-2} \cdot sr^{-1}$		
	$L_{IR} = \sum_{780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta \lambda \leq \frac{6000}{\alpha} W \cdot m^{-2} \cdot sr^{-1}$		
	$E_{IR} = \sum_{780}^{3000} E_\lambda \cdot \Delta \lambda \leq 18000 \cdot t^{-0,75} W \cdot m^{-2}$		

	$E_{IR} = \sum_{\lambda=780}^{3000} E_\lambda \cdot \Delta\lambda \leq 100$	W·m ⁻²	
	$E_H \cdot t = \sum_{\lambda=380}^{3000} \sum_t E_\lambda(\lambda, t) \cdot \Delta t \cdot \Delta\lambda \leq 20000 \cdot t^{0,25}$	J·m ⁻²	

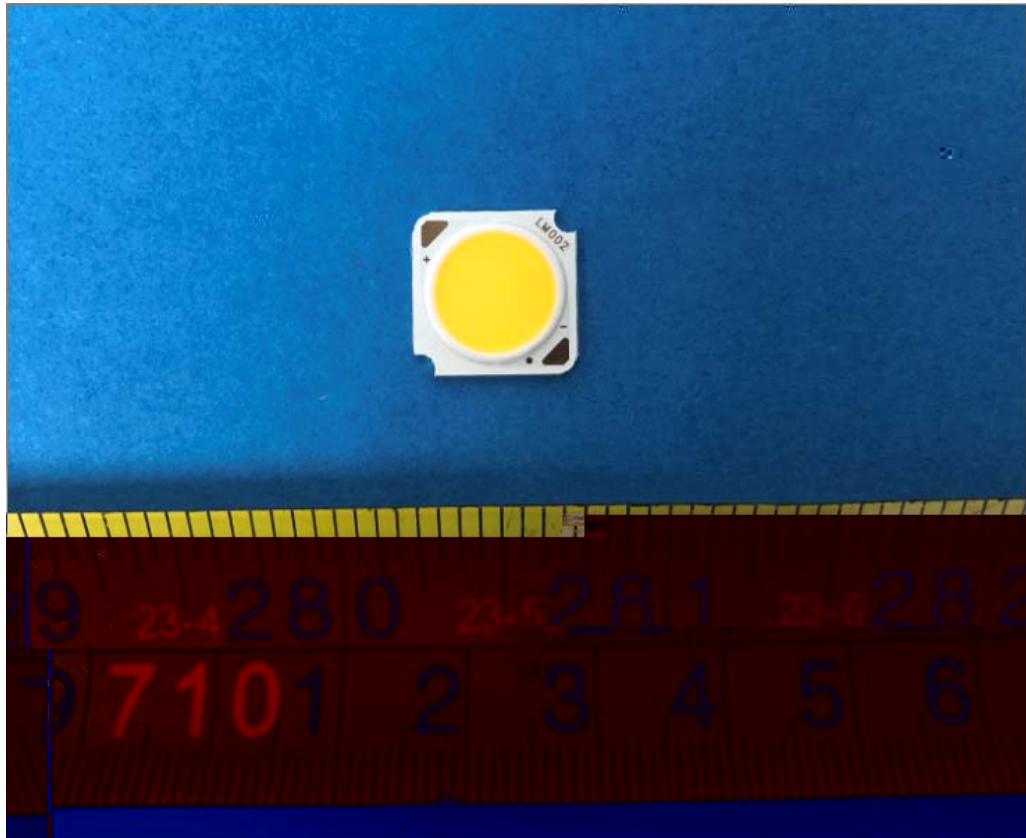
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Table 5.4					-
Hazard Name	Relevant equation	Wavelength Range nm	Exposure aperture rad(deg)	Limiting aperture rad(deg)	EL in items of constant irradiance W.m ⁻²
	$\sum_{\Delta\lambda} \lambda$				
	$\sum_{\Delta\lambda} \lambda$		\leq		
	$\sum_{\Delta\lambda} \lambda$		\leq		
	$\sum_{\lambda} \Delta\lambda$		\leq		
	$\sum_{\lambda} \Delta\lambda$			π	

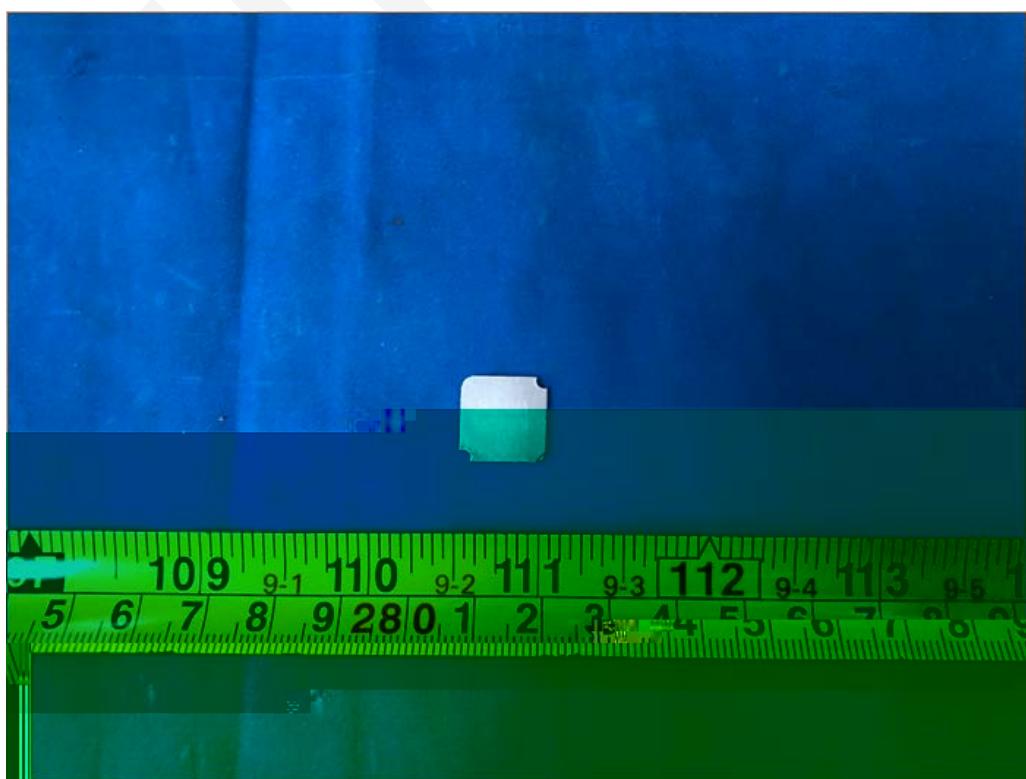
Table 5.5					-
Hazard Name	Relevant equation	Wavelength Range nm	Exposure duration Sec	Field of view radians	EL in terms of constant radiance W.m ⁻² .sr ⁻¹)
	$\sum_{\Delta\lambda} \lambda$		\geq	$\sqrt{ }$	
	$\sum_{\Delta\lambda} \lambda$			$\sqrt{ }$	α
	$\sum_{\Delta\lambda} \lambda$				α



The front view of EUT



The back view of EUT





Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due

End of report