

<p style="text-align: right;">TEST REI EN 62471 Photobiological safety of la</p>
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:

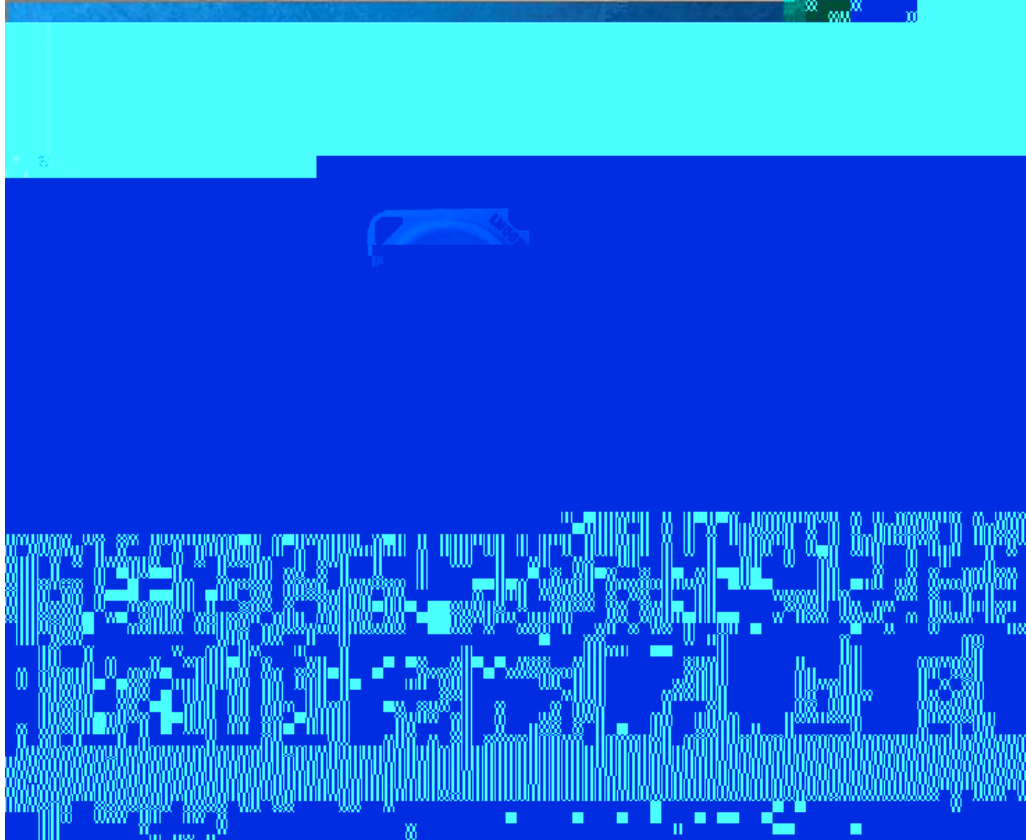
	$L_B t = \sum_{300}^{700} \sum_{t} L_{\lambda}(\lambda, t) B(\lambda) \Delta t \Delta \lambda \leq$	-2 -1	
	$L_B = \sum_{300}^{700} L_{\lambda} B(\lambda) \Delta \lambda \leq$		
			α
	$E_B t = \sum_{300}^{700} \sum_{t} E_{\lambda}(\lambda, t) B(\lambda) \Delta t \Delta \lambda \leq$	-2	
	$E_B = \sum_{300}^{700}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

FENVAL

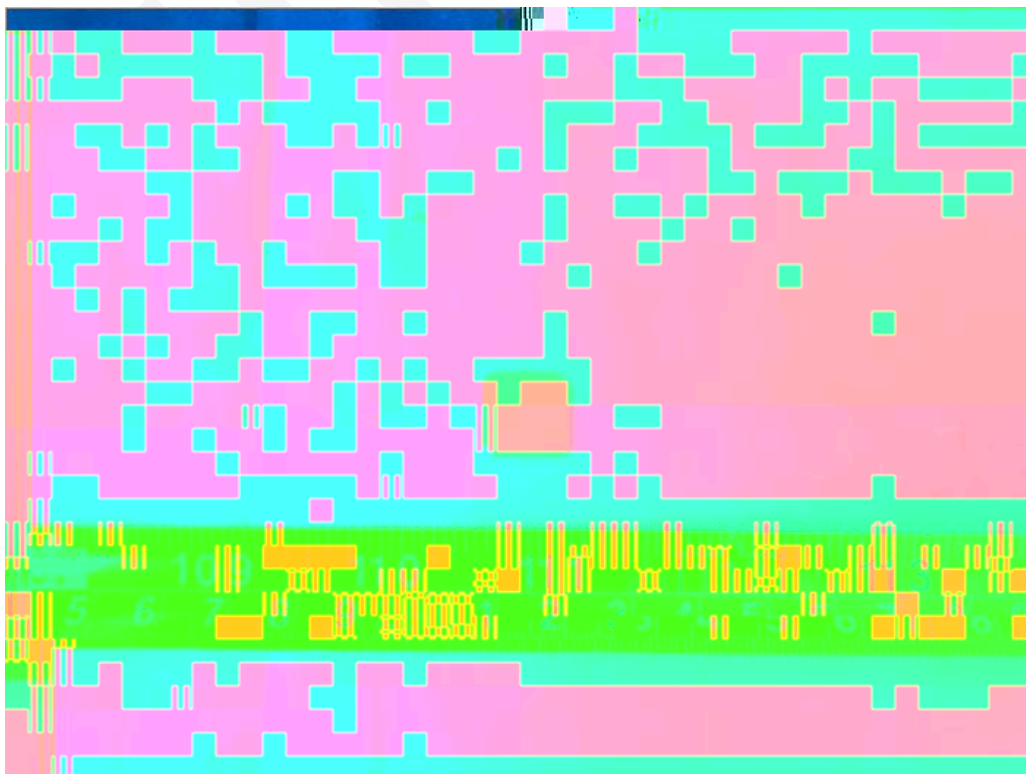
Table 5.4					-
Hazard Name	Relevant equation	Wavelength Range nm	Explosure aperture rad(deg)	Limiting aperture rad(deg)	EL in items of constant irradiance $W.m^{-2}$
	$\Delta\lambda \sum_{\lambda} \lambda$				
	$\Delta\lambda \sum_{\lambda}$		\leq		
	$\Delta\lambda \sum_{\lambda} \lambda$		\leq		
	$\sum_{\lambda}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

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

The front view of EUT



The back view of EUT





Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due

End of report