

TEST REPORT

IEC 62471:2006

Photobiological safety of lamps and lamp systems

Taj
Horne

Note:

Test item particulars

Lamp classification group.....: **Exempt Group**

Possible test case verdicts

General remarks:

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

General Product Information:

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

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

The overall view of EUT





Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due

End of report