TEST REPORT

IEC 62471:2006

Photobiological safety of lamps and lamp systems

[redacted]

Test item particulars **Lamp classification group.....: Exempt Group**
Possible test case verdicts
General remarks: **Remark:** **Appendix A - EUT photos**
General Product Information:

	s ∑∑ 400 ʎ λ λ △ △λ≤		
	≤		

	$\sum_{300}^{700}\sum_{t}$ λ λ λ △ △λ≤	-2 -1	
	$\sum_{300}^{700}$ λ λ △λ≤		
		α	
	в $\sum_{300}^{700}\sum_{t}$ λ λ λ △ △λ≤	-2	
	$\sum_{300}^{700}$ λ λ △λ≤		
	$L_{IR} = \sum_{780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \le \frac{50000}{\alpha}$	$W \cdot m^{-2} \cdot sr^{-1}$	
	$L_{IR} = \sum_{780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \le \frac{6000}{\alpha}$	$W \cdot m^{-2} \cdot sr^{-1}$	

	$E_{IR} = \sum_{780}^{3000} E_\lambda \cdot \Delta\lambda \le 18000 \cdot t^{-0,75}$ W·m^{-2}		
	$E_{IR} = \sum_{780}^{3000} E_\lambda \cdot \Delta\lambda \le 100$ W·m^{-2}		
	$E_H \cdot t = \sum_{380}^{3000} \sum_{t} E_\lambda(\lambda,t) \cdot \Delta t \cdot \Delta\lambda \le 20000 \cdot t^{0,25}$ J·m^{-2}		
		℃	

	α	α	
	△		

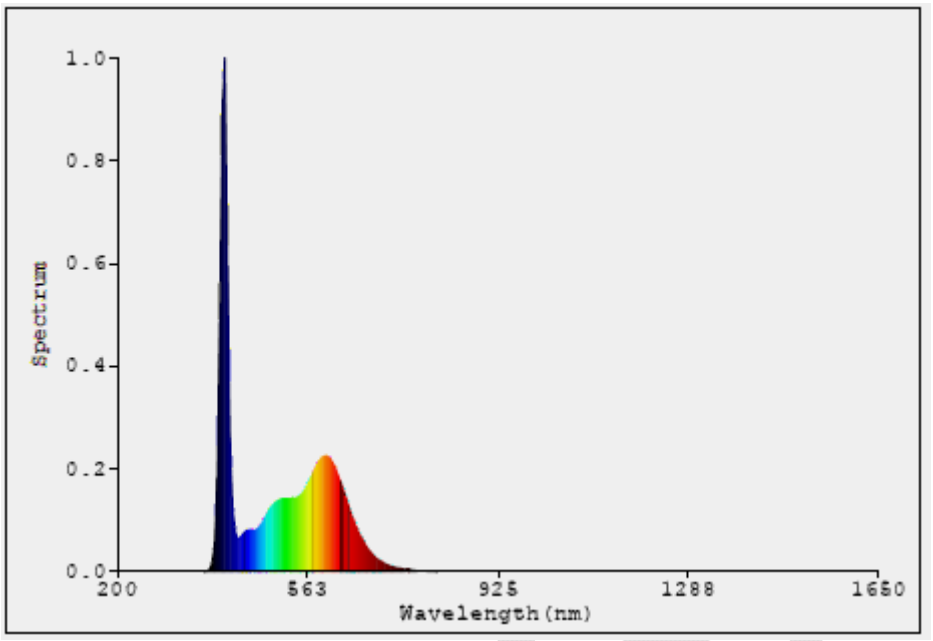
Table 4.1

Wavelength[1] λ, nm	UV hazard function $S_{UV}(\lambda)$	Wavelength λ, nm	UV hazard function $S_{UV}(\lambda)$

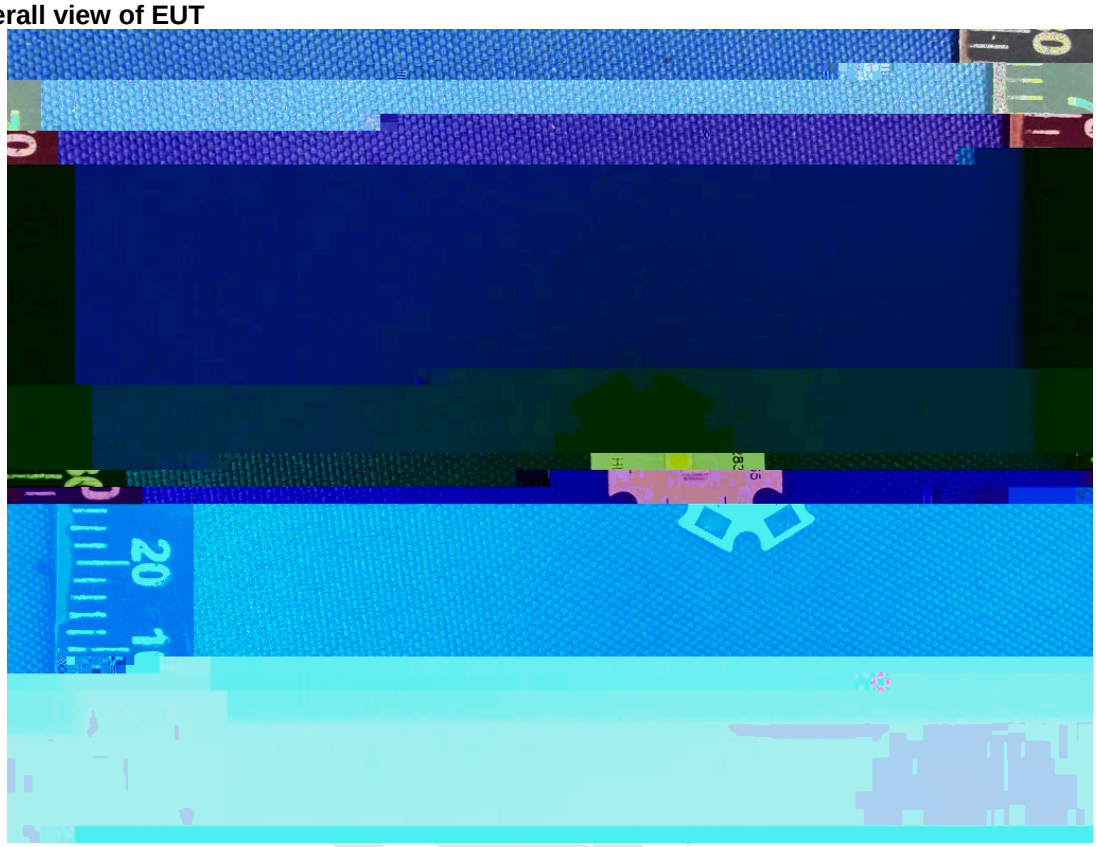
Table 4.2		
Wavelength **nm**	**Blue-light hazard function** **B( )**	**Burn hazard function** **R( )**
	λ	
		λ
		λ

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

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



The overall view of EUT



Directions: