TEST REPORT **IEC 62471:2006** **Photobiological safety of lamps and lamp systems**
Zero Gao Harrison Huang

Note:

Test item particulars .....: **Lamp classification group.....: Exempt Group**

Possible test case verdicts

General remarks: **Remark:**

General product information: **REMARK:**

[redacted]

	≤		

[redacted]

	$L_{IR} = \sum_{780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \le \frac{6000}{\alpha}$ W·m^{-2}·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}		

$$E_H \cdot t = \sum_{380}^{3000} \sum_{t} E_\lambda(\lambda,t) \cdot \Delta t \cdot \Delta\lambda \le 20000 \cdot t^{0,25} \quad \text{J·m}^{-2}$$

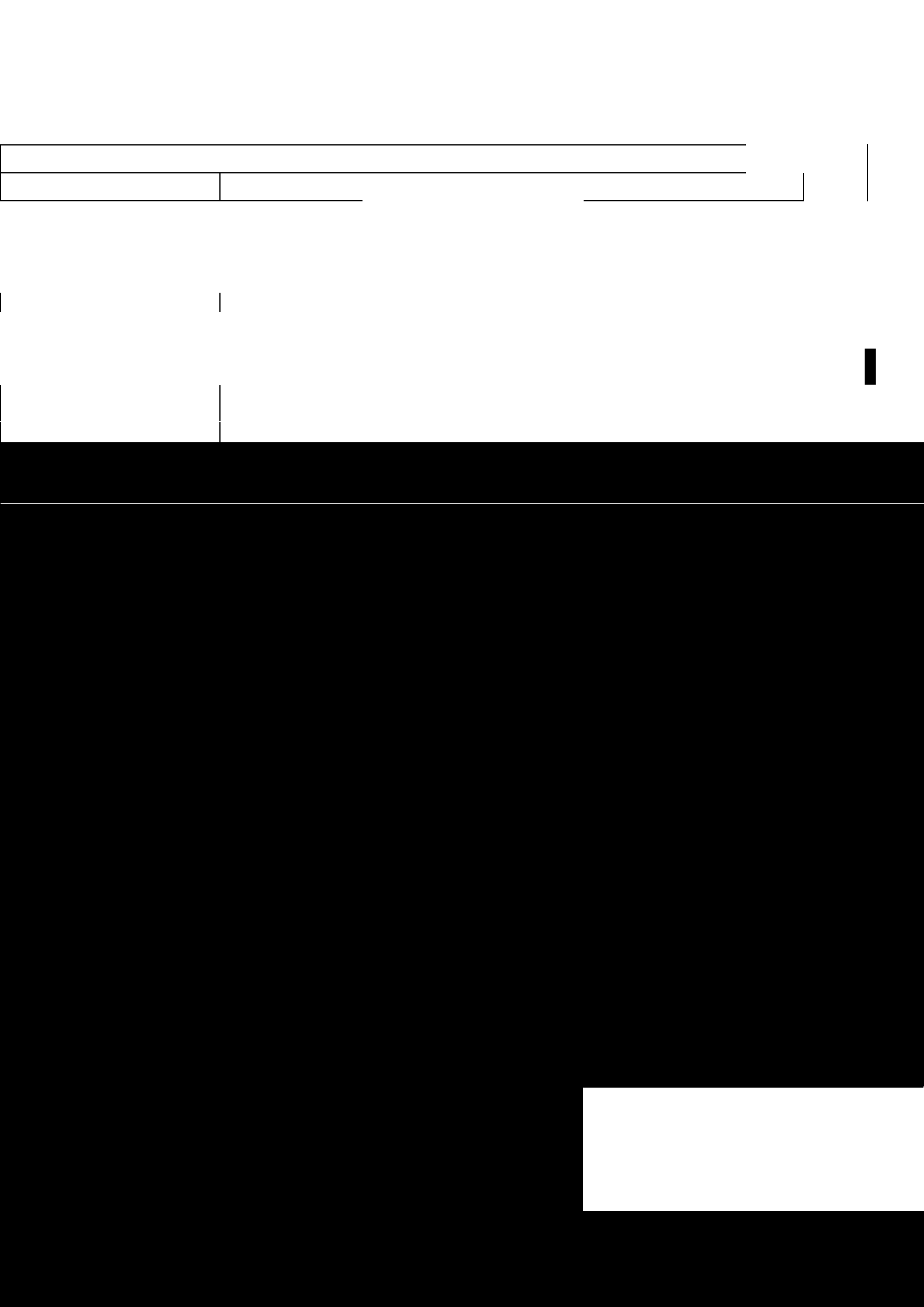

Table 4.2

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