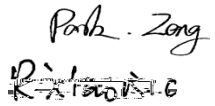
TEST REPORT

IEC 62471:2006

Photobiological safety of lamps and lamp systems



General product information:

Model	Input parameters	CCT

	$E_s t = \sum_{t}^{400} \sum E_\lambda(\lambda,t)\, s_{uv}(\lambda) \quad t \quad \lambda \leq$		

	≤		
	$L_B\ t = \sum_{300}^{700} \sum_{t} L_\lambda(\lambda,t)\ B(\lambda)$ t λ≤ -2 -1		
	$L_B = \sum_{300}^{700} L_\lambda\ B(\lambda)$ λ≤		
		α	
	$E_в\ t = \sum_{300}^{700} \sum_{t} E_\lambda(\lambda,t)\ B(\lambda)$ t λ≤ -2		
	$E_B = \sum_{300}^{700} E_\lambda\ B(\lambda)$ λ≤		
	$L_R = \sum^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \leq \frac{50000}{t^{0.25}}$ $W \cdot m^{-2} \cdot sr^{-1}$	L_R	

	$L_{IR} = \sum_{780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \le \frac{6000}{\alpha}$	$W \cdot m^{-2} \cdot sr^{-1}$	
	$E_{IR} = \sum_{780}^{3000} E_\lambda \cdot \Delta\lambda \le 18000 \cdot t^{-0,75}$	$W \cdot m^{-2}$	
	$E_{IR} = \sum_{780}^{3000} E_\lambda \cdot \Delta\lambda \le 100$	$W \cdot m^{-2}$	
	$E_H \cdot t = \sum_{380}^{3000} \sum_{t} E_\lambda(\lambda,t) \cdot \Delta t \cdot \Delta\lambda \le 20000 \cdot t^{0,25}$	$J \cdot m^{-2}$	

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

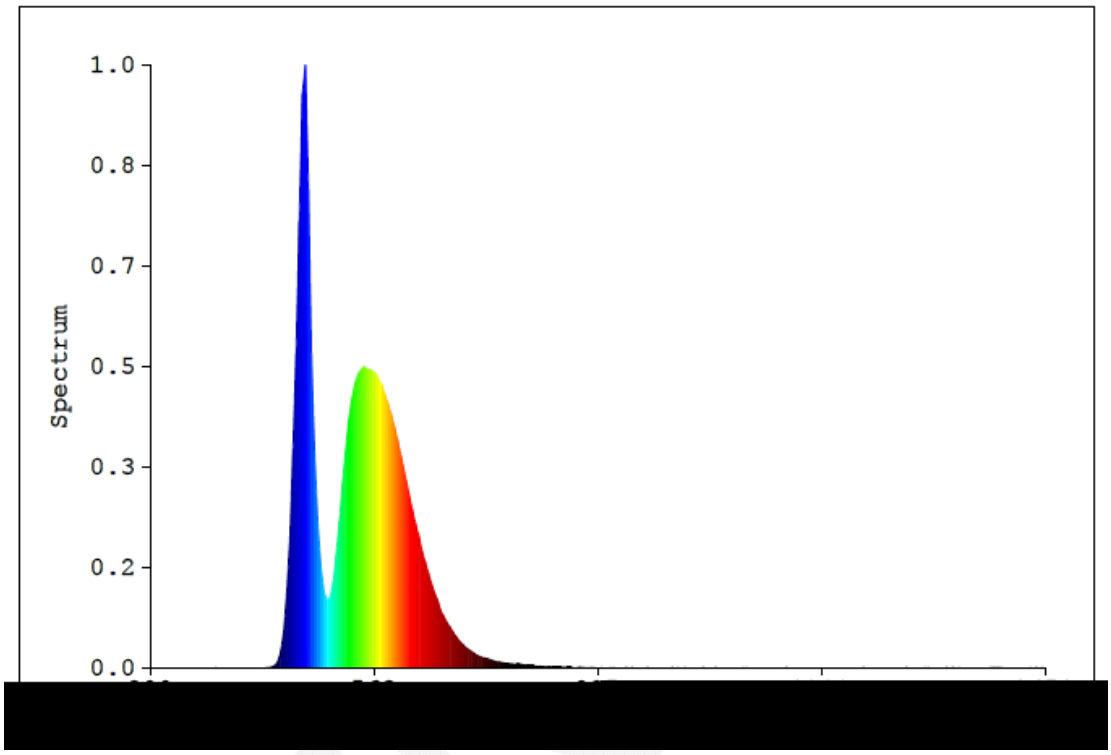
Table 5.4					-
Hazard Name	**Relevant equation**	**Wavelength Range nm**	**Explosure aperture rad(deg)**	**Limiting aperture rad(deg)**	**EL in items of constant irradiance $W.m^{-2}$**
	$\sum_{\lambda} \lambda \Delta\lambda$				
	$\sum_{\lambda} \Delta\lambda$		≤		
	$\sum_{\lambda} \lambda \Delta\lambda$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

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

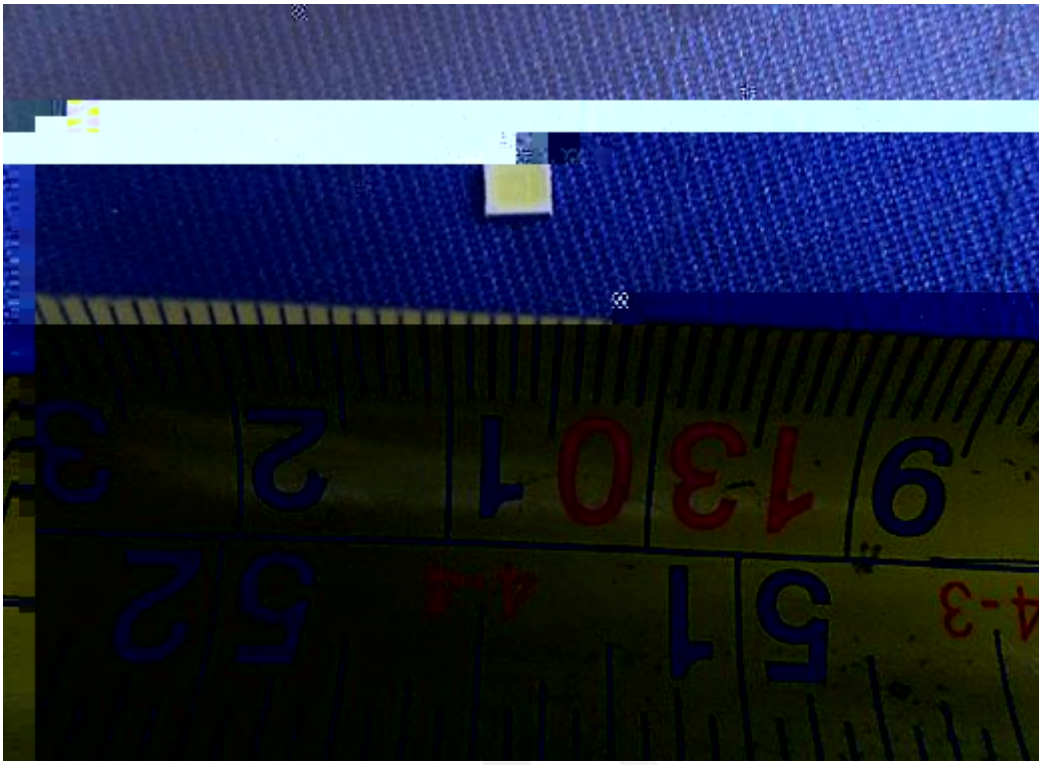
	λ								
	λ								
	λ								
	λ				α α		α α		α α	
	λ				α α		α α		α α	

α

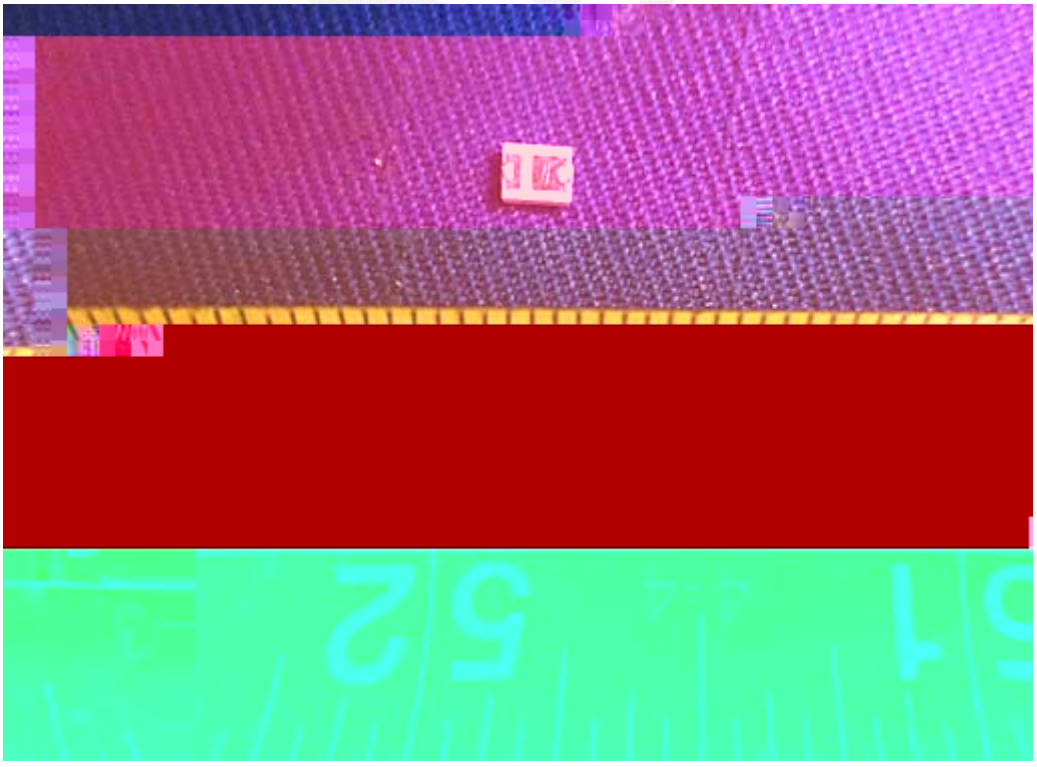
Spectral distribution



The front view of EUT



The back view of EUT



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Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due

*** End of report ***