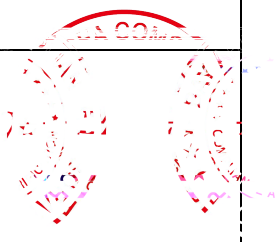
TEST REPORT

IEC 62471:2006

Photobiological safety of lamps and lamp systems

Max Li



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

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$$L_B\ t = \sum_{300}^{700} \sum_{t} L_\lambda(\lambda,t)\ B(\lambda) \quad t \quad \lambda \leq \qquad ^{-2} \quad ^{-1}$$

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Table 4.1		

Wavelength[1] λ, nm	UV hazard function

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

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Table 5.4					-
Hazard Name	**Relevant equation**	**Wavelength Range nm**	**Explosure aperture rad(deg)**	**Limiting aperture rad(deg)**	**EL in items of constant irradiance $W.m^{-2}$**
	$\sum_{\Delta\lambda}$ λ				
	$\sum_{\Delta\lambda}$		≤		
	$\sum_{\Delta\lambda}$ λ		≤		
	$\sum$ λ Δλ		≤		
	$\sum$ 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 $W.m^{-2}.sr^{-1}$)**
	$\sum_{\Delta\lambda}$ λ		≥	√ √	
	$\sum_{\Delta\lambda}$ λ			√	α α
	$\sum_{\Delta\lambda}$ λ				α

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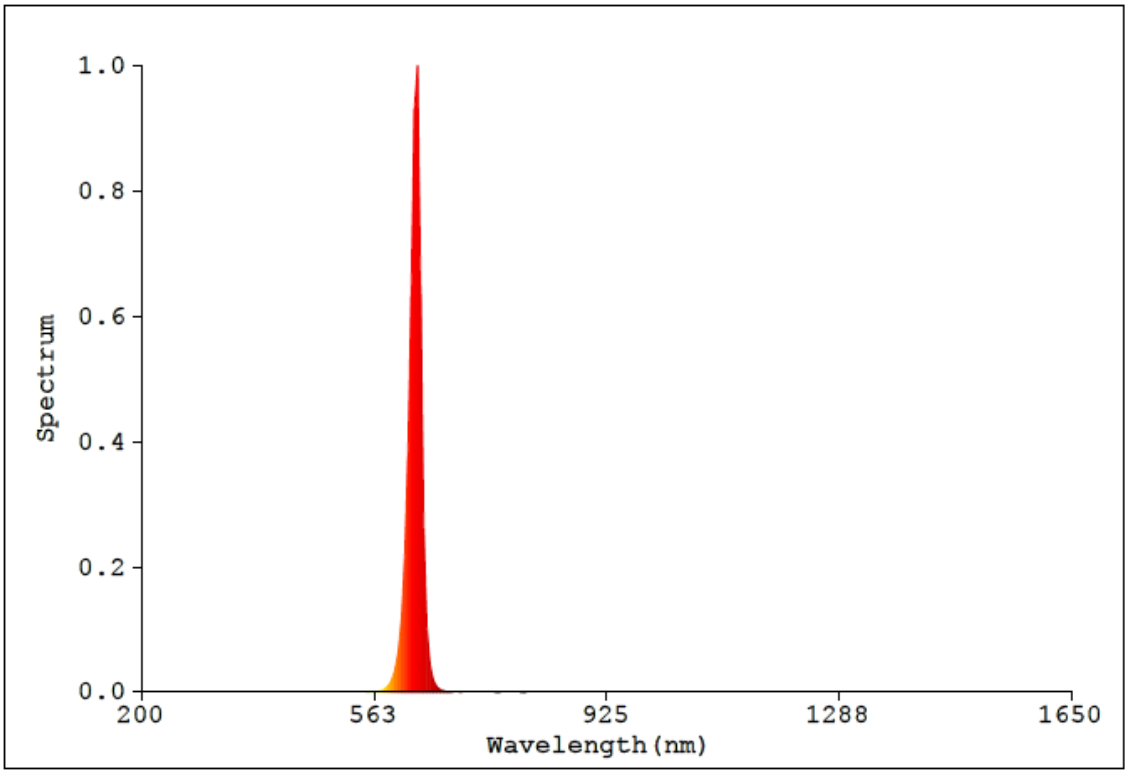
1.0
0.8
0.6
0.4
0.2
0.0
Spectrum
200
563
925
1288
1650
Wavelength(nm)

Theoverall view of EUT

Directions

*****End of report*****