Photobi

Note:

Test item particulars **Lamp classification group.....: Risk Group 1**
Possible test case verdicts
General remarks: **Remark:** **Appendix A - EUT photos** **Appendix B - Test equipment list**
General Product Information:

FINAL

	.	.	
	$E_s\ t = \sum_{t}^{400} E\ (\lambda,t)\ s_{uv}(\lambda) \quad t \quad \lambda \leq$		
	≤		

FINAL

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

	$E_{IR} = \sum_{780}^{3000} E_\lambda \cdot \Delta\lambda \le 18000 \cdot t^{-0,75}$ W·m^{-2}		
	$E_{IR} = \sum_{780}^{3000} E_\lambda \cdot \Delta\lambda \le 100$ W·m^{-2}		

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

FINAL

	α		

FINAL

FINAL

FINAL

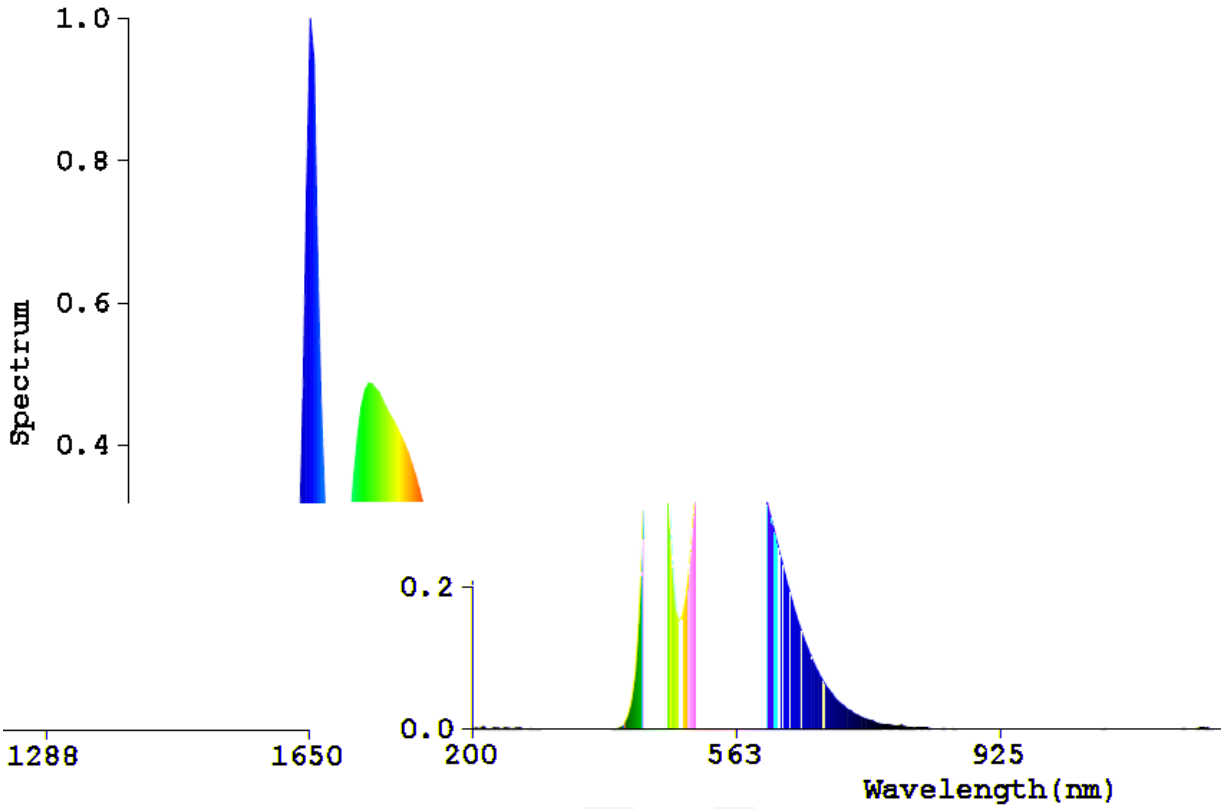
Table 4.2

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

FINAL

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


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

The overall view of EUT

Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due

End of report

FINAL