

Supplementary Table 1. α -opic irradiances for each of the five photoreceptors for broadband light, blue light, and red light.

Sensitivity	λ_{\max}	α-opic irradiance ($\mu\text{m}/\text{cm}^2$)		
		Broadband Light	Blue Light	Red Light
S cone	419.0	16.03	84.12	0.00
Melanopsin	480.0	26.58	64.36	0.05
Rod	496.3	32.09	51.93	0.42
M cone	530.8	40.79	17.89	6.33
L cone	558.4	51.51	10.13	37.71