# Modulation of Recognition Memory Performance by Light Requires Both Melanopsin and Classical Photoreceptors

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# Electronic Supplementary Material 2: Spectral Power Distributions Of White LEDs

|  |  |  |
| --- | --- | --- |
| nm | 350 lux | 10 lux |
| **380** | 0.462 | 0.013 |
| **385** | 0.267 | 0.008 |
| **390** | 0.443 | 0.013 |
| **395** | 0.169 | 0.005 |
| **400** | 0.180 | 0.005 |
| **405** | 0.176 | 0.005 |
| **410** | 0.250 | 0.007 |
| **415** | 0.465 | 0.013 |
| **420** | 0.433 | 0.012 |
| **425** | 0.763 | 0.022 |
| **430** | 1.193 | 0.034 |
| **435** | 1.337 | 0.038 |
| **440** | 2.517 | 0.072 |
| **445** | 3.781 | 0.108 |
| **450** | 6.038 | 0.173 |
| **455** | 7.533 | 0.215 |
| **460** | 7.959 | 0.227 |
| **465** | 6.714 | 0.192 |
| **470** | 5.306 | 0.152 |
| **475** | 3.757 | 0.107 |
| **480** | 2.887 | 0.082 |
| **485** | 2.834 | 0.081 |
| **490** | 1.656 | 0.047 |
| **495** | 1.882 | 0.054 |
| **500** | 1.531 | 0.044 |
| **505** | 1.715 | 0.049 |
| **510** | 1.663 | 0.048 |
| **515** | 1.975 | 0.056 |
| **520** | 2.110 | 0.060 |
| **525** | 2.367 | 0.068 |
| **530** | 2.309 | 0.066 |
| **535** | 2.296 | 0.066 |
| **540** | 2.436 | 0.070 |
| **545** | 2.615 | 0.075 |
| **550** | 2.578 | 0.074 |
| **555** | 2.595 | 0.074 |
| **560** | 3.620 | 0.103 |
| **565** | 2.541 | 0.073 |
| **570** | 2.737 | 0.078 |
| **575** | 2.617 | 0.075 |
| **580** | 2.707 | 0.077 |
| **585** | 2.378 | 0.068 |
| **590** | 2.249 | 0.064 |
| **595** | 2.307 | 0.066 |
| **600** | 2.091 | 0.060 |
| **605** | 2.190 | 0.063 |
| **610** | 2.189 | 0.063 |
| **615** | 2.131 | 0.061 |
| **620** | 1.835 | 0.052 |
| **625** | 1.868 | 0.053 |
| **630** | 1.483 | 0.042 |
| **635** | 1.532 | 0.044 |
| **640** | 1.237 | 0.035 |
| **645** | 1.242 | 0.035 |
| **650** | 0.993 | 0.028 |
| **655** | 1.256 | 0.036 |
| **660** | 1.053 | 0.030 |
| **665** | 0.729 | 0.021 |
| **670** | 0.870 | 0.025 |
| **675** | 0.818 | 0.023 |
| **680** | 0.817 | 0.023 |
| **685** | 0.863 | 0.025 |
| **690** | 0.648 | 0.019 |
| **695** | 0.637 | 0.018 |
| **700** | 1.295 | 0.037 |
| **705** | 0.662 | 0.019 |
| **710** | 0.322 | 0.009 |
| **715** | 0.406 | 0.012 |
| **720** | 0.369 | 0.011 |
| **725** | 0.666 | 0.019 |
| **730** | 0.285 | 0.008 |
| **735** | 1.123 | 0.032 |
| **740** | 0.247 | 0.007 |
| **745** | 0.268 | 0.008 |
| **750** | 1.208 | 0.035 |
| **755** | 0.181 | 0.005 |
| **760** | 0.539 | 0.015 |
| **765** | 0.092 | 0.003 |
| **770** | 0.000 | 0.000 |
| **775** | 0.897 | 0.026 |
| **780** | 0.606 | 0.017 |