**Table 3. α-opic MELANOPIC EDI and MDER values of the two light conditions.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Horizontal plane (measured at desk level: .80m)** | | | | | | | | | |
| **Light Condition** | **Photopic lx** | **Irradiance (μW/cm2)** | **α- opic Equivalent Daylight (D65) Illuminance (lx)** | | | | | **MDER** | **CCT (K)** |
| **S cone** | **Melanopsin** | **Rod** | **M Cone** | **L Cone** |
| High | 247.17 | 81.16 | 242.09 | 210.93 | 221.15 | 239.49 | 243.22 | 0.85 | 6381 |
| Neutral | 259.82 | 79.23 | 137.75 | 156.09 | 174.23 | 226.870257 | 259.43 | 0.60 | 3875 |
| Low | 207.38 | 63.48 | 50.85 | 90.57 | 108.8808562 | 161.9572833 | 211.8043125 | 0.43 | 2648 |
| **Vertical plane (measured at Eye level: 1.2m)** | | | | | | | | | |
| **Light Condition** | **Photopic lx** | **Irradiance (μW/cm2)** | **α- opic Equivalent Daylight (D65) Illuminance (lx)** | | | | | **MDER** | **CCT (K)** |
| **S cone** | **Melanopsin** | **Rod** | **M Cone** | **L Cone** |
| High | 131.83 | 43.37 | 125.21 | 110.723337 | 116.40 | 127.00 | 129.83 | 0.84 | 6164 |
| Neutral | 139.53 | 42.73 | 71.68 | 82.62 | 92.47 | 121.15 | 139.49 | 0.60 | 3788 |
| Low | 113.98 | 35.22 | 27.23 | 49.20 | 59.26 | 88.52 | 139.49 | 0.43 | 2606 |