**Section 315.TABLE B MPE for Skin Exposure**

**Ultraviolet**

|  |  |  |  |
| --- | --- | --- | --- |
| Wavelength  (*μ*m) | Exposure  Duration, *ts* | MPE | |
| (J cm-2) | (W cm-2) |
| 0.180 to 0.302 | 10-9 to 3 x 104 | 3 x 10-3 |  |
| 0.303 | 10-9 to 3 x 104 | 4 x 10-3 |  |
| 0.304 | 10-9 to 3 x 104 | 6 x 10-3 |  |
| 0.305 | 10-9 to 3 x 104 | 1.0 x 10-2 |  |
| 0.306 | 10-9 to 3 x 104 | 1.6 x 10-2 |  |
| 0.307 | 10-9 to 3 x 104 | 2.5 x 10-2 |  |
| 0.308 | 10-9 to 3 x 104 | 4.0 x 10-2 |  |
| 0.309 | 10-9 to 3 x 104 | 6.3 x 10-2 |  |
| 0.310 | 10-9 to 3 x 104 | 1.0 x 10-1 |  |
| 0.311 | 10-9 to 3 x 104 | 1.6 x 10-1 |  |
| 0.312 | 10-9 to 3 x 104 | 2.5 x 10-1 |  |
| 0.313 | 10-9 to 3 x 104 | 4.0 x 10-1 |  |
| 0.314 | 10-9 to 3 x 104 | 6.3 x 10-1 |  |
| 0.315 to 0.400 | 10-9 to 10 | 0.56 *t*¼ |  |
| 0.315 to 0.400 | 10 x 103 | 1 |  |
| 0.315 to 0.400 | 103 to 3 x 104 |  | 1 x 10-3 |

|  |  |  |
| --- | --- | --- |
| NOTES: | 1. | To calculate MPE, use the J cm-2 value shown or 0.56 *t*¼, whichever is lower. |
|  | 2. | 3.5 mm limiting aperture (see Section 315.Table D). |

**Visible and Near Infrared**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Wavelength  (*μ*m) | Exposure  Duration, *t*s | MPE | | | |
| (J cm-2) | | (W cm-2) | |
| 0.400 to 1.400 | 10-9 to 10-7 | 2CA x 10-2 |  | |
|  | 10-7 to 10 | 1.1CA *t*¼ |  | |
|  | 10 to 3 x 104 |  | 0.2CA | |

|  |  |
| --- | --- |
| NOTE: | 3.5 mm limiting aperture (see Section 315.Table D). |

**Far Infrared**

|  |  |  |  |
| --- | --- | --- | --- |
| Wavelength  (*μ*m) | Exposure  Duration, *t*s | MPE | |
| (J cm-2) | (W cm-2) |
| 1.400 to 103 | 10-9 to 10-7 | 10-2 |  |
|  | 10-7 to 10 | 0.56 *t*¼ |  |
|  | >10 |  | 0.1 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| NOTE: | See Section 315.Table D for limiting apertures. | | | | | |
|  | | | | | | |
|  | | | | | | |
| GENERAL NOTE: | | 1. | For purposes of this Table, the following abbreviations are used: | | | |
|  | | | | *μ*m | = | micrometers |
|  | | | | *t*s | = | time in seconds |
|  | | | | J | = | joules |
|  | | | | W | = | watts |
|  | | | | cm | = | centimeters |
|  | | | | mm | = | millimeter |