

Light planning Glare Evaluation According to UGR

| | | | | | | | | | | | |
|--|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|
| p Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| p Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| p Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room size X Y | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 5.7 | 6.0 | 5.7 | 6.2 | 6.4 | 5.7 | 6.0 | 5.7 | 6.2 | 6.4 |
| | 3H | 5.7 | 6.2 | 6.0 | 6.4 | 6.6 | 5.7 | 6.2 | 6.0 | 6.4 | 6.6 |
| | 4H | 5.8 | 6.4 | 6.2 | 6.6 | 6.8 | 5.8 | 6.4 | 6.2 | 6.6 | 6.8 |
| | 6H | 6.1 | 6.5 | 6.4 | 6.8 | 7.2 | 6.1 | 6.5 | 6.4 | 6.8 | 7.2 |
| | 8H | 6.2 | 6.6 | 6.5 | 7.0 | 7.3 | 6.2 | 6.6 | 6.5 | 7.0 | 7.3 |
| | 12H | 6.4 | 6.8 | 6.8 | 7.2 | 7.6 | 6.4 | 6.8 | 6.8 | 7.2 | 7.6 |
| 4H | 2H | 5.4 | 5.9 | 5.8 | 6.1 | 6.3 | 5.4 | 5.9 | 5.8 | 6.1 | 6.3 |
| | 3H | 5.8 | 6.2 | 6.1 | 6.5 | 6.9 | 5.8 | 6.2 | 6.1 | 6.5 | 6.9 |
| | 4H | 6.0 | 6.4 | 6.4 | 6.8 | 7.3 | 6.0 | 6.4 | 6.4 | 6.8 | 7.3 |
| | 6H | 6.3 | 6.8 | 6.8 | 7.1 | 7.4 | 6.3 | 6.8 | 6.8 | 7.1 | 7.4 |
| | 8H | 6.5 | 6.9 | 7.1 | 7.3 | 7.6 | 6.5 | 6.9 | 7.1 | 7.3 | 7.6 |
| | 12H | 6.9 | 7.2 | 7.4 | 7.6 | 8.0 | 6.9 | 7.2 | 7.4 | 7.6 | 8.0 |
| 8H | 4H | 6.1 | 6.5 | 6.6 | 6.8 | 7.1 | 6.1 | 6.5 | 6.6 | 6.8 | 7.1 |
| | 6H | 6.6 | 6.8 | 7.1 | 7.3 | 7.8 | 6.6 | 6.8 | 7.1 | 7.3 | 7.8 |
| | 8H | 7.0 | 7.1 | 7.5 | 7.7 | 8.3 | 7.0 | 7.1 | 7.5 | 7.7 | 8.3 |
| | 12H | 7.5 | 7.7 | 8.1 | 8.2 | 8.8 | 7.5 | 7.7 | 8.1 | 8.2 | 8.8 |
| 12H | 4H | 6.0 | 6.3 | 6.5 | 6.7 | 7.2 | 6.0 | 6.3 | 6.5 | 6.7 | 7.2 |
| | 6H | 6.7 | 6.8 | 7.2 | 7.4 | 8.0 | 6.7 | 6.8 | 7.2 | 7.4 | 8.0 |
| | 8H | 7.0 | 7.2 | 7.6 | 7.7 | 8.3 | 7.0 | 7.2 | 7.6 | 7.7 | 8.3 |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | | |
| S = 1.0H | | 2.3 / -1.3 | | | | | 2.3 / -1.3 | | | | |
| S = 1.5H | | 4.3 / -1.5 | | | | | 4.3 / -1.5 | | | | |
| S = 2.0H | | 6.0 / -1.6 | | | | | 6.0 / -1.6 | | | | |
| Corrected glare indices referring to 1527 lm total luminous flux | | | | | | | | | | | |