



## 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<br>X      Y   |     | Viewing direction at right angles to<br>lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |     |      |      |
| 2H  | 2H  | 10.7  | 11.4 | 11.0 | 11.6 | 11.8 | 9.6                                     | 10.3 | 9.9 | 10.4 | 10.6 |
|   | 3H  | 10.6  | 11.2 | 10.9 | 11.4 | 11.7 | 9.5                                     | 10.1 | 9.8 | 10.3 | 10.5 |
|   | 4H  | 10.5  | 11.1 | 10.8 | 11.3 | 11.6 | 9.4                                     | 10.0 | 9.7 | 10.2 | 10.5 |
|   | 6H  | 10.5  | 11.0 | 10.8 | 11.2 | 11.5 | 9.3                                     | 9.8  | 9.7 | 10.1 | 10.4 |
|   | 8H  | 10.4  | 10.9 | 10.8 | 11.2 | 11.5 | 9.3                                     | 9.8  | 9.6 | 10.1 | 10.4 |
|   | 12H | 10.4  | 10.8 | 10.7 | 11.1 | 11.5 | 9.3                                     | 9.7  | 9.6 | 10.0 | 10.3 |
| 4H  | 2H  | 10.6  | 11.1 | 10.9 | 11.4 | 11.6 | 9.4                                     | 10.0 | 9.7 | 10.2 | 10.5 |
|   | 3H  | 10.4  | 10.9 | 10.8 | 11.2 | 11.5 | 9.3                                     | 9.7  | 9.6 | 10.0 | 10.4 |
|   | 4H  | 10.3  | 10.7 | 10.7 | 11.1 | 11.4 | 9.2                                     | 9.6  | 9.6 | 9.9  | 10.3 |
|   | 6H  | 10.3  | 10.6 | 10.7 | 10.9 | 11.3 | 9.1                                     | 9.5  | 9.5 | 9.8  | 10.2 |
|   | 8H  | 10.2  | 10.5 | 10.6 | 10.9 | 11.3 | 9.1                                     | 9.4  | 9.5 | 9.8  | 10.2 |
|   | 12H | 10.2  | 10.4 | 10.6 | 10.8 | 11.2 | 9.1                                     | 9.3  | 9.5 | 9.7  | 10.1 |
| 8H  | 4H  | 10.2  | 10.5 | 10.6 | 10.9 | 11.3 | 9.1                                     | 9.4  | 9.5 | 9.8  | 10.2 |
|   | 6H  | 10.1  | 10.3 | 10.6 | 10.8 | 11.2 | 9.0                                     | 9.2  | 9.4 | 9.6  | 10.1 |
|   | 8H  | 10.1  | 10.3 | 10.6 | 10.7 | 11.2 | 9.0                                     | 9.1  | 9.4 | 9.6  | 10.0 |
|   | 12H | 10.0  | 10.2 | 10.5 | 10.6 | 11.1 | 8.9                                     | 9.0  | 9.4 | 9.5  | 10.0 |
| 12H   | 4H  | 10.2  | 10.4 | 10.6 | 10.8 | 11.2 | 9.1                                     | 9.3  | 9.5 | 9.7  | 10.1 |
|   | 6H  | 10.1  | 10.3 | 10.6 | 10.7 | 11.2 | 9.0                                     | 9.1  | 9.4 | 9.6  | 10.0 |
|   | 8H  | 10.0  | 10.2 | 10.5 | 10.6 | 11.1 | 8.9                                     | 9.0  | 9.4 | 9.5  | 10.0 |
| Variation of the observer position for the luminaire distance S |     |   |      |      |      |      |   |      |     |      |      |
| S = 1.0H  |     | +2.9 / -7.7                                       |      |      |      |      | +4.3 / -10.7                            |      |     |      |      |
| S = 1.5H  |     | +5.3 / -103.0                                     |      |      |      |      | +6.8 / -102.0                           |      |     |      |      |
| S = 2.0H  |     | +7.3 / -101.1                                     |      |      |      |      | +8.7 / -100.0                           |      |     |      |      |
| Standard table  |     | BK00  |      |      |      |      | BK00                                    |      |     |      |      |
| Correction<br>summand   |     | -8.0  |      |      |      |      | -9.1                                    |      |     |      |      |
| Corrected glare indices referring to 61.7lm total luminous flux |     |   |      |      |      |      |   |      |     |      |      |