

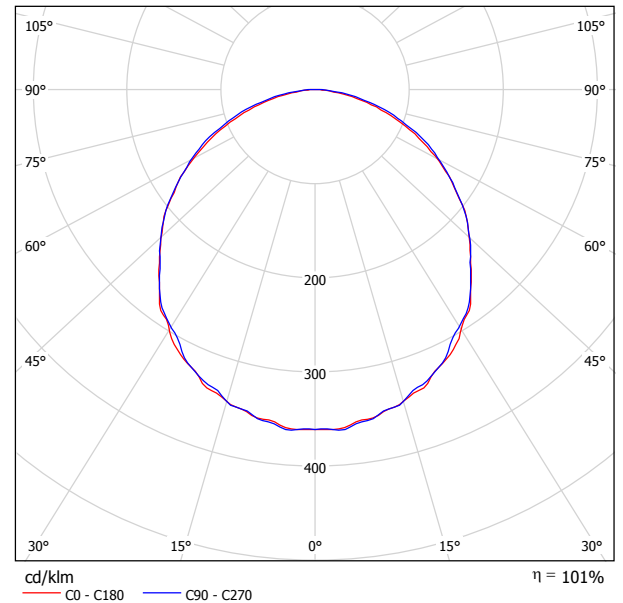


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## GLACIALTECH, INC. DL08-SM-WW-3000K-110D / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
CIE flux code: 48 79 96 100 101

Luminous emittance 1:

| Glare Evaluation According to UGR                                |     |   |      |      |      |      |  |      |      |      |      |
|--|-----|---|------|------|------|------|--|------|------|------|------|
| ρ Ceiling  |     | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   |
| ρ Walls  |     | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   |
| ρ Floor  |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| Room Size<br>X<br>Y  |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |
| 2H   | 2H  | 18.7  | 20.0 | 19.0 | 20.2 | 20.5 | 18.8                                       | 20.1 | 19.1 | 20.4 | 20.6 |
|  | 3H  | 20.0  | 21.2 | 20.3 | 21.4 | 21.7 | 20.2                                       | 21.4 | 20.5 | 21.7 | 21.9 |
|  | 4H  | 20.4  | 21.6 | 20.8 | 21.8 | 22.1 | 20.7                                       | 21.9 | 21.1 | 22.1 | 22.4 |
|  | 6H  | 20.7  | 21.7 | 21.0 | 22.0 | 22.3 | 21.1                                       | 22.1 | 21.4 | 22.4 | 22.7 |
|  | 8H  | 20.7  | 21.7 | 21.1 | 22.0 | 22.4 | 21.2                                       | 22.2 | 21.5 | 22.5 | 22.8 |
| 4H   | 12H | 20.7  | 21.7 | 21.1 | 22.0 | 22.3 | 21.2                                       | 22.2 | 21.6 | 22.5 | 22.8 |
|  | 2H  | 19.3  | 20.4 | 19.6 | 20.7 | 21.0 | 19.4                                       | 20.5 | 19.8 | 20.8 | 21.1 |
|  | 3H  | 20.8  | 21.7 | 21.1 | 22.1 | 22.4 | 21.0                                       | 22.0 | 21.4 | 22.3 | 22.6 |
|  | 4H  | 21.3  | 22.2 | 21.7 | 22.5 | 22.9 | 21.6                                       | 22.5 | 22.0 | 22.8 | 23.2 |
|  | 6H  | 21.7  | 22.4 | 22.1 | 22.8 | 23.2 | 22.1                                       | 22.8 | 22.5 | 23.2 | 23.6 |
| 8H   | 8H  | 21.7  | 22.4 | 22.2 | 22.8 | 23.2 | 22.2                                       | 22.9 | 22.7 | 23.3 | 23.7 |
|  | 12H | 21.7  | 22.4 | 22.2 | 22.8 | 23.2 | 22.3                                       | 22.9 | 22.7 | 23.3 | 23.7 |
|  | 4H  | 21.6  | 22.2 | 22.0 | 22.6 | 23.1 | 21.8                                       | 22.5 | 22.3 | 22.9 | 23.3 |
|  | 6H  | 22.0  | 22.5 | 22.4 | 23.0 | 23.4 | 22.4                                       | 23.0 | 22.9 | 23.4 | 23.8 |
|  | 8H  | 22.1  | 22.6 | 22.6 | 23.0 | 23.5 | 22.6                                       | 23.1 | 23.1 | 23.5 | 24.0 |
| 12H  | 12H | 22.1  | 22.6 | 22.6 | 23.0 | 23.5 | 22.7                                       | 23.1 | 23.2 | 23.6 | 24.1 |
|  | 4H  | 21.6  | 22.2 | 22.0 | 22.6 | 23.0 | 21.8                                       | 22.5 | 22.3 | 22.9 | 23.3 |
|  | 6H  | 22.0  | 22.5 | 22.5 | 23.0 | 23.4 | 22.4                                       | 22.9 | 22.9 | 23.4 | 23.8 |
|  | 8H  | 22.2  | 22.6 | 22.6 | 23.0 | 23.5 | 22.6                                       | 23.1 | 23.1 | 23.5 | 24.0 |
| Variation of the observer position for the luminaire distances S |     |   |      |      |      |      |  |      |      |      |      |
| S = 1.0H   |     | +0.1 / -0.1                                       |      |      |      |      | +0.1 / -0.2                                |      |      |      |      |
| S = 1.5H   |     | +0.3 / -0.5                                       |      |      |      |      | +0.2 / -0.4                                |      |      |      |      |
| S = 2.0H   |     | +0.6 / -0.9                                       |      |      |      |      | +0.5 / -0.8                                |      |      |      |      |
| Standard table   |     | BK04  |      |      |      |      | BK05                                       |      |      |      |      |
| Correction   |     | 4.4   |      |      |      |      | 5.3  |      |      |      |      |
| Summand  |     |   |      |      |      |      |  |      |      |      |      |
| Corrected Glare Indices referring to 1100lm Total Luminous Flux  |     |   |      |      |      |      |  |      |      |      |      |

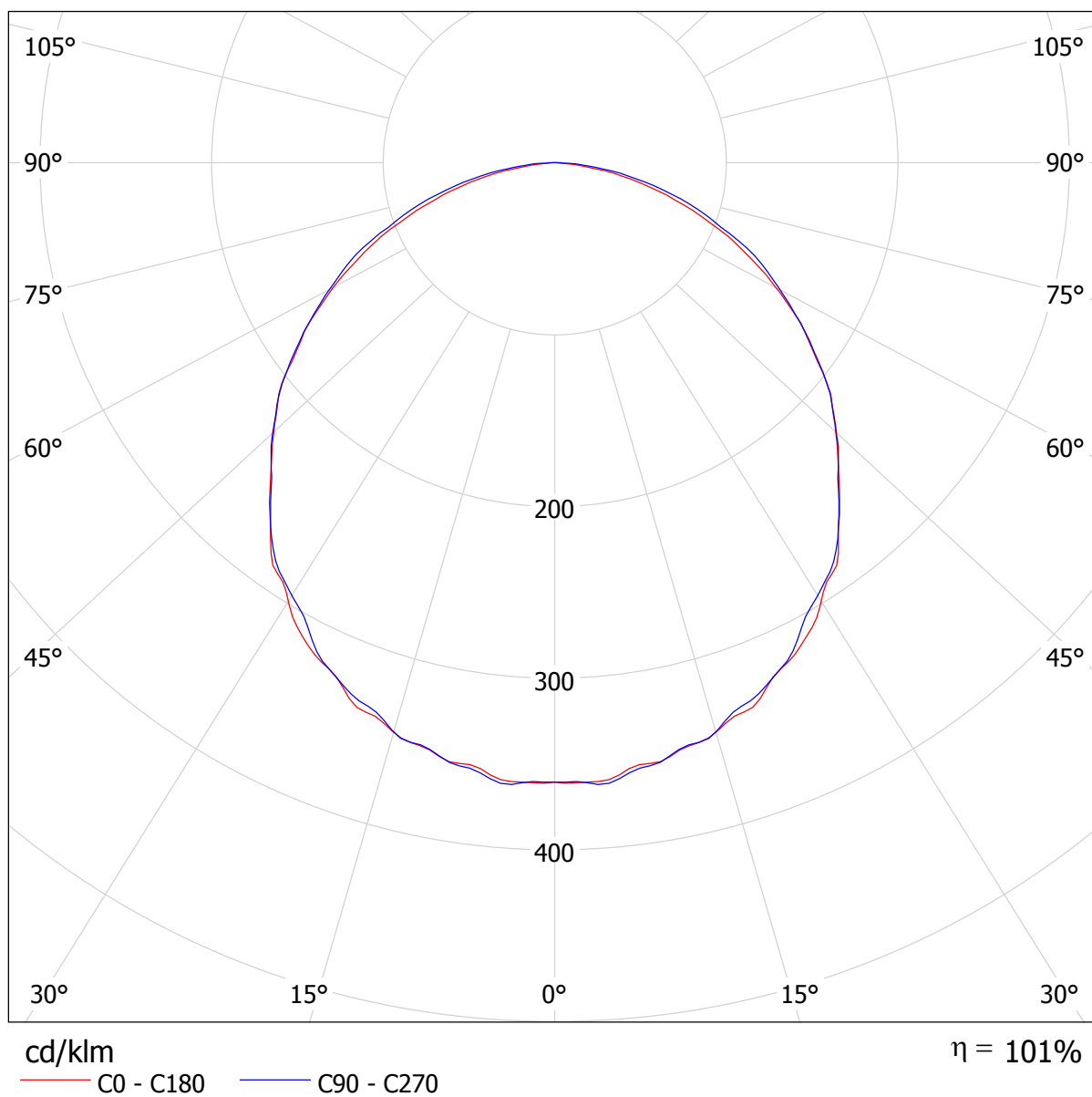


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# GLACIALTECH, INC. DL08-SM-WW-3000K-110D / LDC (Polar)

Luminaire: GLACIALTECH, INC. DL08-SM-WW-3000K-110D

Lamps: 1 x Downlight

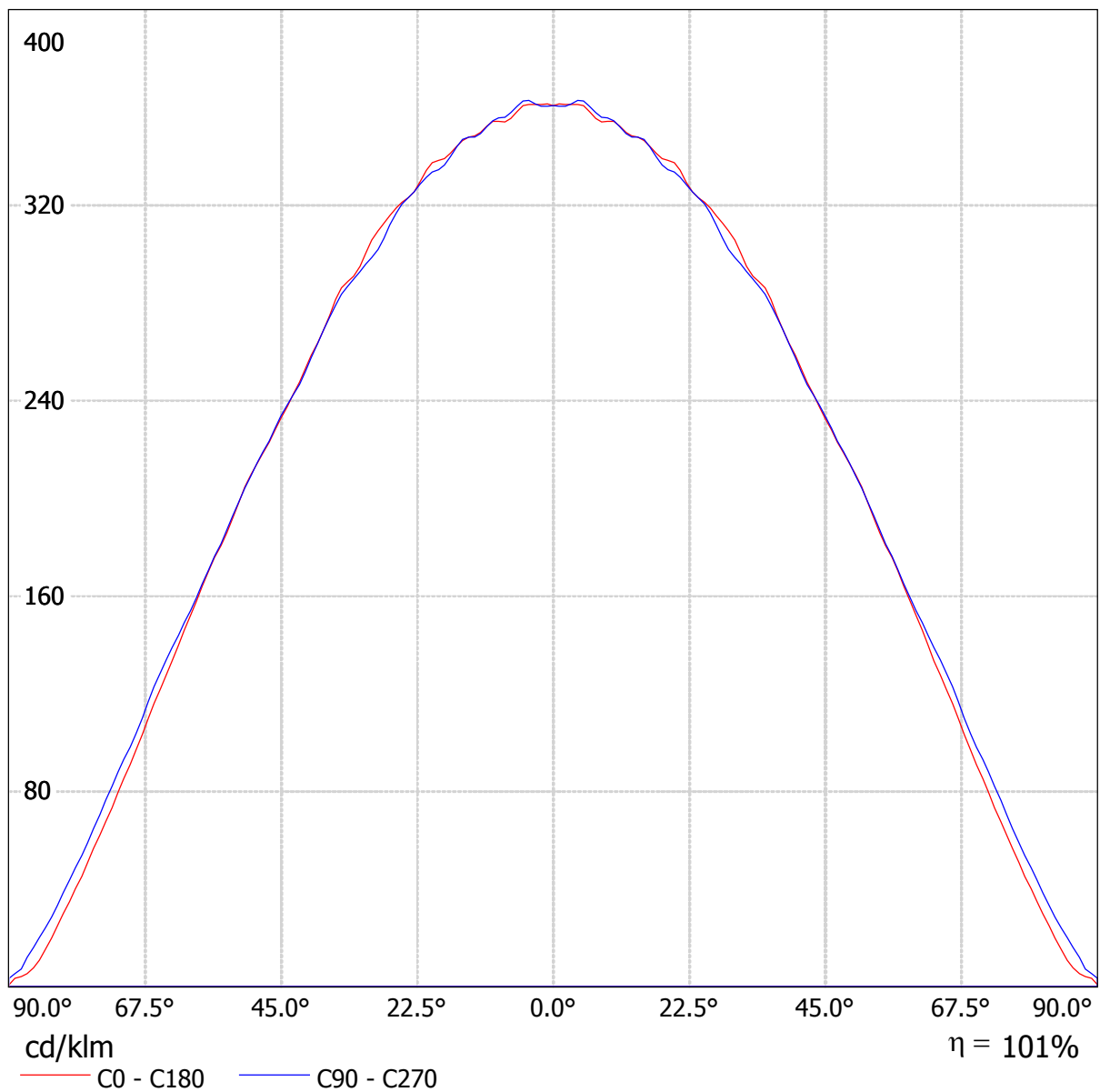




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**GLACIALTECH, INC. DL08-SM-WW-3000K-110D / LDC (Linear)**

Luminaire: GLACIALTECH, INC. DL08-SM-WW-3000K-110D  
Lamps: 1 x Downlight





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## GLACIALTECH, INC. DL08-SM-WW-3000K-110D / UGR-Table

Luminaire: GLACIALTECH, INC. DL08-SM-WW-3000K-110D

Lamps: 1 x Downlight

| Glare Evaluation According to UGR                                |     |   |      |      |      |      |  |      |      |      |      |
|--|-----|---|------|------|------|------|--|------|------|------|------|
| $\rho$ Ceiling   |     | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   |
| $\rho$ Walls   |     | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   |
| $\rho$ Floor   |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| Room Size<br>X            Y                                      |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |
| 2H   | 2H  | 18.7  | 20.0 | 19.0 | 20.2 | 20.5 | 18.8                                       | 20.1 | 19.1 | 20.4 | 20.6 |
|  | 3H  | 20.0  | 21.2 | 20.3 | 21.4 | 21.7 | 20.2                                       | 21.4 | 20.5 | 21.7 | 21.9 |
|  | 4H  | 20.4  | 21.6 | 20.8 | 21.8 | 22.1 | 20.7                                       | 21.9 | 21.1 | 22.1 | 22.4 |
|  | 6H  | 20.7  | 21.7 | 21.0 | 22.0 | 22.3 | 21.1                                       | 22.1 | 21.4 | 22.4 | 22.7 |
|  | 8H  | 20.7  | 21.7 | 21.1 | 22.0 | 22.4 | 21.2                                       | 22.2 | 21.5 | 22.5 | 22.8 |
|  | 12H | 20.7  | 21.7 | 21.1 | 22.0 | 22.3 | 21.2                                       | 22.2 | 21.6 | 22.5 | 22.8 |
| 4H   | 2H  | 19.3  | 20.4 | 19.6 | 20.7 | 21.0 | 19.4                                       | 20.5 | 19.8 | 20.8 | 21.1 |
|  | 3H  | 20.8  | 21.7 | 21.1 | 22.1 | 22.4 | 21.0                                       | 22.0 | 21.4 | 22.3 | 22.6 |
|  | 4H  | 21.3  | 22.2 | 21.7 | 22.5 | 22.9 | 21.6                                       | 22.5 | 22.0 | 22.8 | 23.2 |
|  | 6H  | 21.7  | 22.4 | 22.1 | 22.8 | 23.2 | 22.1                                       | 22.8 | 22.5 | 23.2 | 23.6 |
|  | 8H  | 21.7  | 22.4 | 22.2 | 22.8 | 23.2 | 22.2                                       | 22.9 | 22.7 | 23.3 | 23.7 |
|  | 12H | 21.7  | 22.4 | 22.2 | 22.8 | 23.2 | 22.3                                       | 22.9 | 22.7 | 23.3 | 23.7 |
| 8H   | 4H  | 21.6  | 22.2 | 22.0 | 22.6 | 23.1 | 21.8                                       | 22.5 | 22.3 | 22.9 | 23.3 |
|  | 6H  | 22.0  | 22.5 | 22.4 | 23.0 | 23.4 | 22.4                                       | 23.0 | 22.9 | 23.4 | 23.8 |
|  | 8H  | 22.1  | 22.6 | 22.6 | 23.0 | 23.5 | 22.6                                       | 23.1 | 23.1 | 23.5 | 24.0 |
|  | 12H | 22.1  | 22.6 | 22.6 | 23.0 | 23.5 | 22.7                                       | 23.1 | 23.2 | 23.6 | 24.1 |
| 12H  | 4H  | 21.6  | 22.2 | 22.0 | 22.6 | 23.0 | 21.8                                       | 22.5 | 22.3 | 22.9 | 23.3 |
|  | 6H  | 22.0  | 22.5 | 22.5 | 23.0 | 23.4 | 22.4                                       | 22.9 | 22.9 | 23.4 | 23.8 |
|  | 8H  | 22.2  | 22.6 | 22.6 | 23.0 | 23.5 | 22.6                                       | 23.1 | 23.1 | 23.5 | 24.0 |
| Variation of the observer position for the luminaire distances S |     |   |      |      |      |      |  |      |      |      |      |
| S = 1.0H   |     | +0.1 / -0.1                                       |      |      |      |      | +0.1 / -0.2                                |      |      |      |      |
| S = 1.5H   |     | +0.3 / -0.5                                       |      |      |      |      | +0.2 / -0.4                                |      |      |      |      |
| S = 2.0H   |     | +0.6 / -0.9                                       |      |      |      |      | +0.5 / -0.8                                |      |      |      |      |
| Standard table   |     | BK04  |      |      |      |      | BK05                                       |      |      |      |      |
| Correction<br>Summand  |     | 4.4   |      |      |      |      | 5.3  |      |      |      |      |
| Corrected Glare Indices referring to 1100lm Total Luminous Flux  |     |   |      |      |      |      |  |      |      |      |      |

The UGR values have been calculated according to CIE Publ. 117    Spacing-to-Height-Ratio = 0.25.



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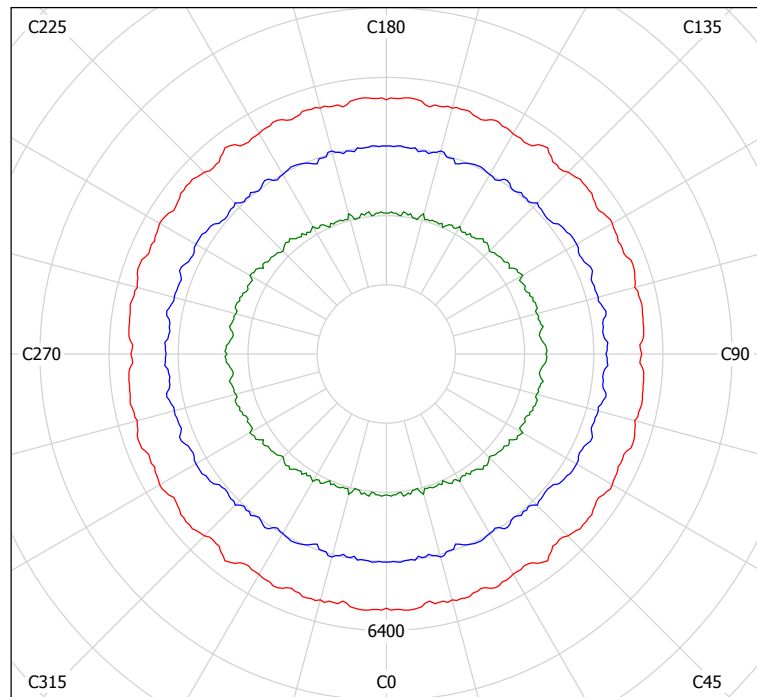
## GLACIALTECH, INC. DL08-SM-WW-3000K-110D / Glare Data Sheet

Luminaire: GLACIALTECH, INC.  
DL08-SM-WW-3000K-110D

Lamps: 1 x Downlight

| Glare Evaluation According to UGR                                |     |   |      |      |      |      |  |      |      |      |      |
|--|-----|---|------|------|------|------|--|------|------|------|------|
| ρ Ceiling  |     | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   |
| ρ Walls  |     | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   |
| ρ Floor  |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| Room Size<br>X      Y  |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |
| 2H   | 2H  | 18.7  | 20.0 | 19.0 | 20.2 | 20.5 | 18.8                                       | 20.1 | 19.1 | 20.4 | 20.6 |
|  | 3H  | 20.0  | 21.2 | 20.3 | 21.4 | 21.7 | 20.2                                       | 21.4 | 20.5 | 21.7 | 21.9 |
|  | 4H  | 20.4  | 21.6 | 20.8 | 21.8 | 22.1 | 20.7                                       | 21.9 | 21.1 | 22.1 | 22.4 |
|  | 6H  | 20.7  | 21.7 | 21.0 | 22.0 | 22.3 | 21.1                                       | 22.1 | 21.4 | 22.4 | 22.7 |
|  | 8H  | 20.7  | 21.7 | 21.1 | 22.0 | 22.4 | 21.2                                       | 22.2 | 21.5 | 22.5 | 22.8 |
|  | 12H | 20.7  | 21.7 | 21.1 | 22.0 | 22.3 | 21.2                                       | 22.2 | 21.6 | 22.5 | 22.8 |
| 4H   | 2H  | 19.3  | 20.4 | 19.6 | 20.7 | 21.0 | 19.4                                       | 20.5 | 19.8 | 20.8 | 21.1 |
|  | 3H  | 20.8  | 21.7 | 21.1 | 22.1 | 22.4 | 21.0                                       | 22.0 | 21.4 | 22.3 | 22.6 |
|  | 4H  | 21.3  | 22.2 | 21.7 | 22.5 | 22.9 | 21.6                                       | 22.5 | 22.0 | 22.8 | 23.2 |
|  | 6H  | 21.7  | 22.4 | 22.1 | 22.8 | 23.2 | 22.1                                       | 22.8 | 22.5 | 23.2 | 23.6 |
|  | 8H  | 21.7  | 22.4 | 22.2 | 22.8 | 23.2 | 22.2                                       | 22.9 | 22.7 | 23.3 | 23.7 |
|  | 12H | 21.7  | 22.4 | 22.2 | 22.8 | 23.2 | 22.3                                       | 22.9 | 22.7 | 23.3 | 23.7 |
| 8H   | 4H  | 21.6  | 22.2 | 22.0 | 22.6 | 23.1 | 21.8                                       | 22.5 | 22.3 | 22.9 | 23.3 |
|  | 6H  | 22.0  | 22.5 | 22.4 | 23.0 | 23.4 | 22.4                                       | 23.0 | 22.9 | 23.4 | 23.8 |
|  | 8H  | 22.1  | 22.6 | 22.6 | 23.0 | 23.5 | 22.6                                       | 23.1 | 23.1 | 23.5 | 24.0 |
|  | 12H | 22.1  | 22.6 | 22.6 | 23.0 | 23.5 | 22.7                                       | 23.1 | 23.2 | 23.6 | 24.1 |
| 12H  | 4H  | 21.6  | 22.2 | 22.0 | 22.6 | 23.0 | 21.8                                       | 22.5 | 22.3 | 22.9 | 23.3 |
|  | 6H  | 22.0  | 22.5 | 22.5 | 23.0 | 23.4 | 22.4                                       | 22.9 | 22.9 | 23.4 | 23.8 |
|  | 8H  | 22.2  | 22.6 | 22.6 | 23.0 | 23.5 | 22.6                                       | 23.1 | 23.1 | 23.5 | 24.0 |
| Variation of the observer position for the luminaire distances S |     |   |      |      |      |      |  |      |      |      |      |
| S = 1.0H   |     | +0.1 / -0.1                                       |      |      |      |      | +0.1 / -0.2                                |      |      |      |      |
| S = 1.5H   |     | +0.3 / -0.5                                       |      |      |      |      | +0.2 / -0.4                                |      |      |      |      |
| S = 2.0H   |     | +0.6 / -0.9                                       |      |      |      |      | +0.5 / -0.8                                |      |      |      |      |
| Standard table   |     | BK04  |      |      |      |      | BK05                                       |      |      |      |      |
| Correction<br>Summand  |     | 4.4   |      |      |      |      | 5.3  |      |      |      |      |
| Corrected Glare Indices referring to 1100lm Total Luminous Flux  |     |   |      |      |      |      |  |      |      |      |      |

The UGR values have been calculated according to CIE Publ. 117 Spacing-to-Height-Ratio = 0.25.



cd/m<sup>2</sup>  
— g = 55.0° — g = 65.0° — g = 75.0°