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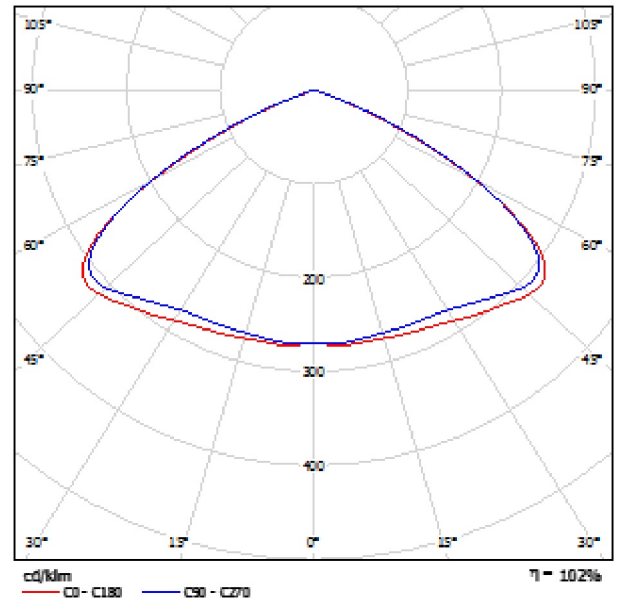
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## GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 100  
CIE flux code: 43 89 100 100 102

Luminous emittance 1:

| Glare Evaluation According to UGR                                 |  |   |      |      |      |      |      |      |      |      |      |
|---|--|---|------|------|------|------|------|------|------|------|------|
|   |  | 70                                      | 70   | 90   | 90   | 30   | 70   | 70   | 90   | 90   | 30   |
| a. Ceiling  |  | 80                                      | 30   | 50   | 30   | 30   | 80   | 30   | 50   | 30   | 30   |
| b. Walls  |  | 20                                      | 20   | 20   | 30   | 30   | 20   | 20   | 20   | 20   | 20   |
| c. Floor  |  |   |      |      |      |      |      |      |      |      |      |
| Room Size   | Viewing direction at right angles to lamp axis | Viewing direction parallel to lamp axis |      |      |      |      |      |      |      |      |      |
| X' Y'   |  |   |      |      |      |      |      |      |      |      |      |
| 2H  | 2H   | 26.7                                    | 26.0 | 27.0 | 26.3 | 26.5 | 26.3 | 27.7 | 26.6 | 27.9 | 26.2 |
|   | 3H   | 26.8                                    | 26.0 | 27.1 | 26.3 | 26.6 | 26.5 | 27.7 | 26.6 | 28.0 | 26.2 |
|   | 4H   | 26.7                                    | 27.9 | 27.1 | 26.1 | 26.4 | 26.4 | 27.5 | 26.6 | 27.6 | 26.1 |
|   | 6H   | 26.7                                    | 27.7 | 27.0 | 26.0 | 26.3 | 26.4 | 27.4 | 26.7 | 27.7 | 26.0 |
|   | 8H   | 26.6                                    | 27.6 | 27.0 | 27.9 | 26.2 | 26.3 | 27.3 | 26.7 | 27.6 | 27.9 |
| 12H   | 26.6   | 27.5                                    | 27.0 | 27.6 | 26.2 | 26.3 | 27.2 | 26.7 | 27.6 | 27.9 |      |
| 4H  | 2H   | 26.9                                    | 26.0 | 27.3 | 26.3 | 26.6 | 26.6 | 27.7 | 27.0 | 28.0 | 26.3 |
|   | 3H   | 27.1                                    | 26.0 | 27.4 | 26.3 | 26.6 | 26.6 | 27.7 | 27.2 | 28.0 | 26.4 |
|   | 4H   | 27.0                                    | 27.6 | 27.4 | 26.2 | 26.5 | 26.7 | 27.5 | 27.1 | 27.9 | 26.2 |
|   | 6H   | 26.9                                    | 27.6 | 27.3 | 26.0 | 26.4 | 26.7 | 27.4 | 27.1 | 27.7 | 26.1 |
|   | 8H   | 26.9                                    | 27.5 | 27.3 | 27.9 | 26.3 | 26.6 | 27.3 | 27.1 | 27.7 | 26.1 |
| 12H   | 26.9   | 27.4                                    | 27.3 | 27.9 | 26.3 | 26.6 | 27.2 | 27.0 | 27.6 | 26.0 |      |
| 6H  | 4H   | 26.9                                    | 27.5 | 27.3 | 27.9 | 26.4 | 26.6 | 27.3 | 27.1 | 27.7 | 26.1 |
|   | 6H   | 26.8                                    | 27.4 | 27.3 | 27.6 | 26.2 | 26.6 | 27.1 | 27.0 | 27.5 | 26.0 |
|   | 8H   | 26.8                                    | 27.3 | 27.3 | 27.7 | 26.2 | 26.6 | 27.0 | 27.0 | 27.4 | 27.9 |
|   | 12H  | 26.8                                    | 27.2 | 27.3 | 27.6 | 26.1 | 26.6 | 26.9 | 27.0 | 27.4 | 27.9 |
|   | 4H   | 26.9                                    | 27.4 | 27.3 | 27.9 | 26.3 | 26.6 | 27.2 | 27.0 | 27.6 | 26.0 |
| 6H  | 26.8   | 27.3                                    | 27.3 | 27.7 | 26.2 | 26.6 | 27.0 | 27.0 | 27.4 | 27.9 |      |
| 8H  | 26.8   | 27.2                                    | 27.3 | 27.6 | 26.1 | 26.6 | 26.9 | 27.0 | 27.4 | 27.9 |      |
| Variation of the observer position for the luminaire distance S   |  |   |      |      |      |      |      |      |      |      |      |
| S = 1.0H  |  | +0.3                                    | -0.3 |      |      | +0.2 | -0.2 |      |      |      |      |
| S = 1.5H  |  | +1.3                                    | -1.9 |      |      | +1.2 | -1.7 |      |      |      |      |
| S = 2.0H  |  | +2.9                                    | -7.4 |      |      | +2.6 | -6.8 |      |      |      |      |
| Standard C-value  |  | 5.02                                    |      |      |      | 5.02 |      |      |      |      |      |
| Correction Summand  |  | 0.1                                     |      |      |      | 0.9  |      |      |      |      |      |
| Corrected Glare Indices referring to 16500lm Total Luminaire Flux |  |   |      |      |      |      |      |      |      |      |      |

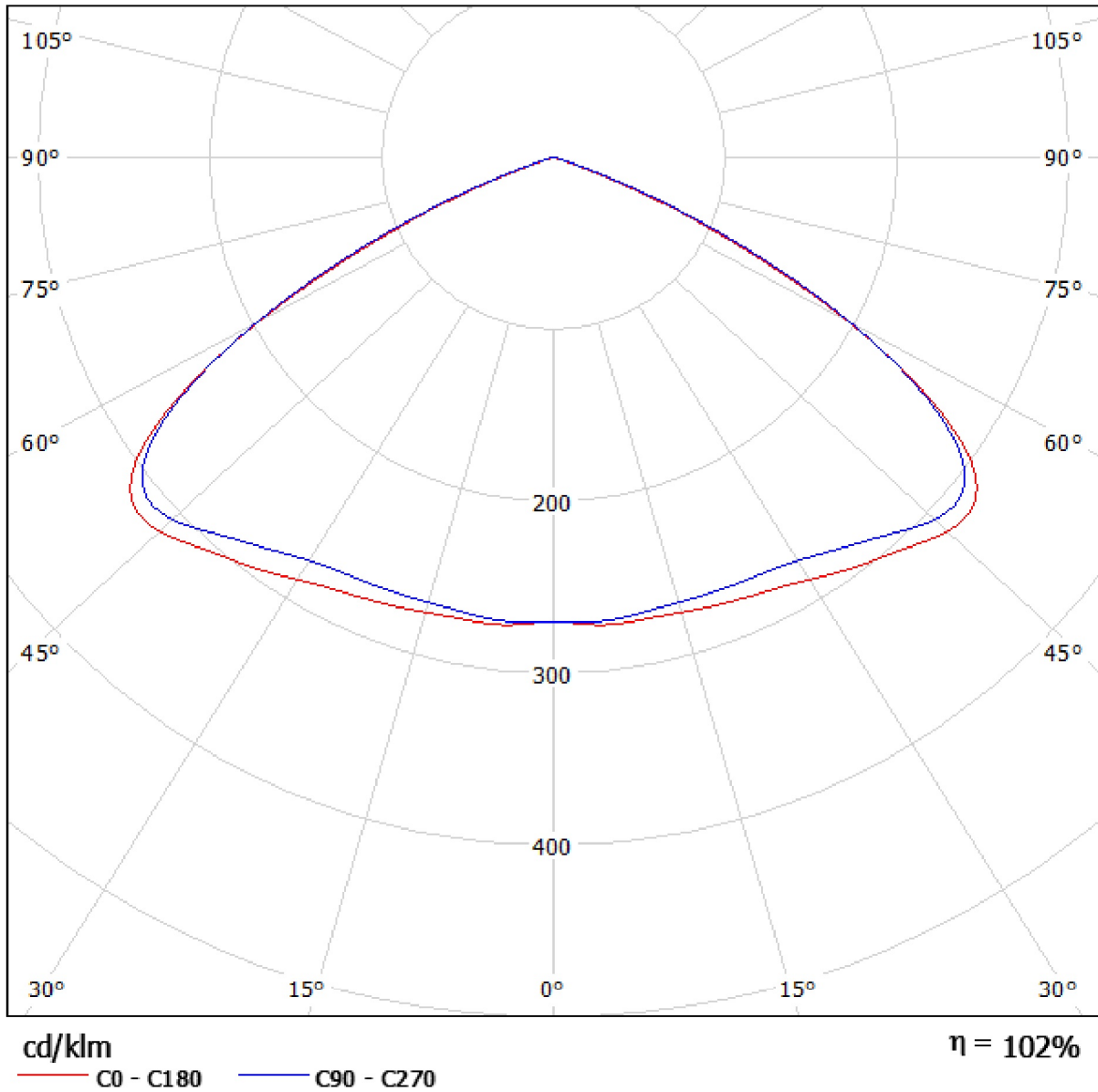
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## GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade / LDC (Polar)

Luminaire: GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade  
Lamps: 1 x Flood Light



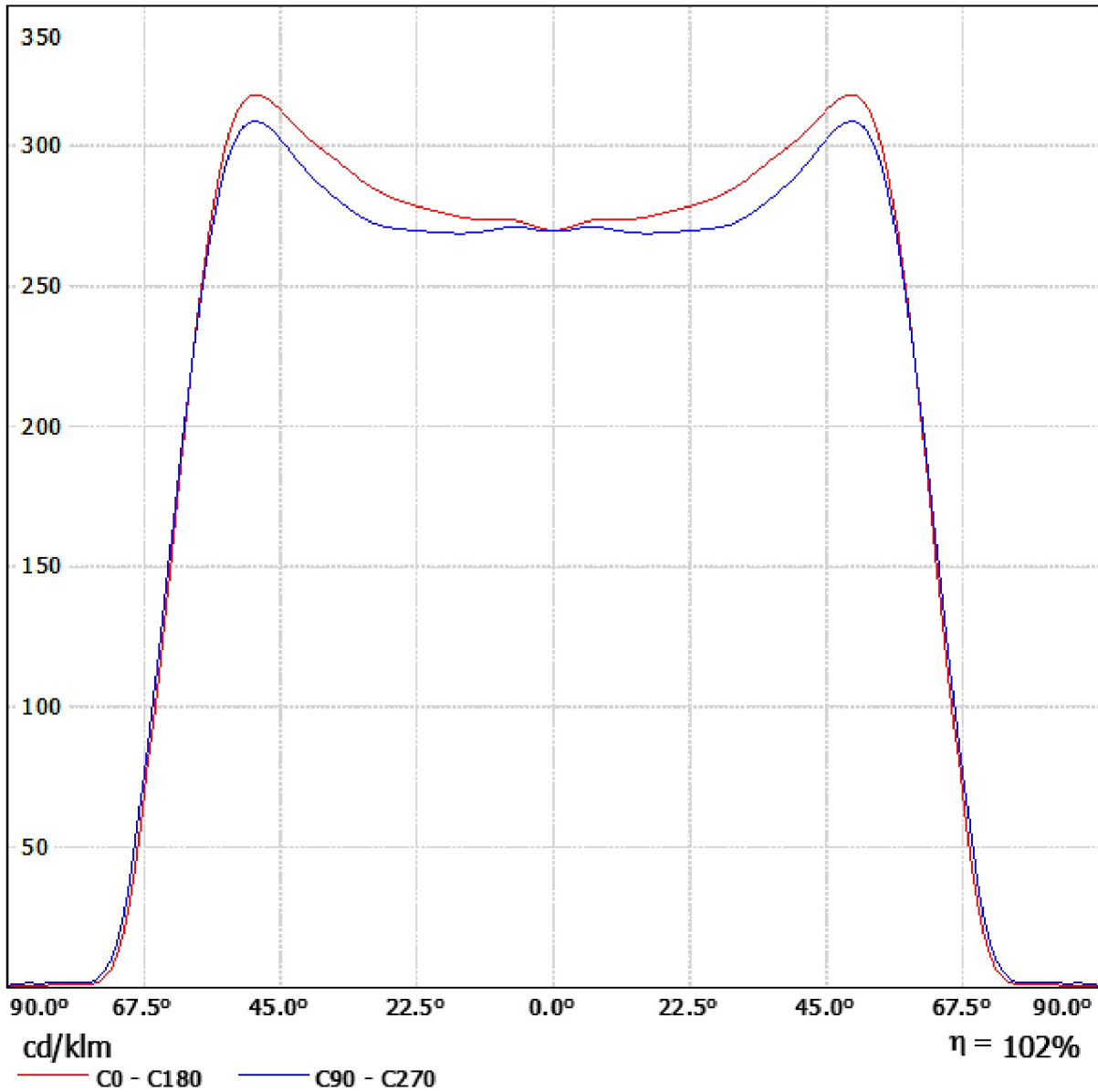
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### GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade / LDC (Linear)

Luminaire: GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade  
Lamps: 1 x Flood Light



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## GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade / UGR-Table

 Luminaire: GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade  
 Lamps: 1 x Flood Light

| <b>Glare Evaluation According to UGR</b>                         |             |   |      |      |      |             |  |      |      |      |      |
|--|-------------|---|------|------|------|-------------|--|------|------|------|------|
| 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          | 26.7  | 28.0 | 27.0 | 28.3 | 28.5        | 26.3                                       | 27.7 | 26.6 | 27.9 | 28.2 |
|  | 3H          | 26.8  | 28.0 | 27.1 | 28.3 | 28.6        | 26.5                                       | 27.7 | 26.8 | 28.0 | 28.2 |
|  | 4H          | 26.7  | 27.9 | 27.1 | 28.1 | 28.4        | 26.4                                       | 27.5 | 26.8 | 27.8 | 28.1 |
|  | 6H          | 26.7  | 27.7 | 27.0 | 28.0 | 28.3        | 26.4                                       | 27.4 | 26.7 | 27.7 | 28.0 |
|  | 8H          | 26.6  | 27.6 | 27.0 | 27.9 | 28.2        | 26.3                                       | 27.3 | 26.7 | 27.6 | 27.9 |
| 4H   | 12H         | 26.6  | 27.5 | 27.0 | 27.8 | 28.2        | 26.3                                       | 27.2 | 26.7 | 27.5 | 27.9 |
|  | 2H          | 26.9  | 28.0 | 27.3 | 28.3 | 28.6        | 26.6                                       | 27.7 | 27.0 | 28.0 | 28.3 |
|  | 3H          | 27.1  | 28.0 | 27.4 | 28.3 | 28.6        | 26.8                                       | 27.7 | 27.2 | 28.0 | 28.4 |
|  | 4H          | 27.0  | 27.8 | 27.4 | 28.2 | 28.5        | 26.7                                       | 27.5 | 27.1 | 27.9 | 28.2 |
|  | 6H          | 26.9  | 27.6 | 27.3 | 28.0 | 28.4        | 26.7                                       | 27.4 | 27.1 | 27.7 | 28.1 |
| 8H   | 8H          | 26.9  | 27.5 | 27.3 | 27.9 | 28.3        | 26.6                                       | 27.3 | 27.1 | 27.7 | 28.1 |
|  | 12H         | 26.9  | 27.4 | 27.3 | 27.9 | 28.3        | 26.6                                       | 27.2 | 27.0 | 27.6 | 28.0 |
|  | 4H          | 26.9  | 27.5 | 27.3 | 27.9 | 28.4        | 26.6                                       | 27.3 | 27.1 | 27.7 | 28.1 |
|  | 6H          | 26.8  | 27.4 | 27.3 | 27.8 | 28.2        | 26.6                                       | 27.1 | 27.0 | 27.5 | 28.0 |
|  | 8H          | 26.8  | 27.3 | 27.3 | 27.7 | 28.2        | 26.5                                       | 27.0 | 27.0 | 27.4 | 27.9 |
| 12H  | 12H         | 26.8  | 27.2 | 27.3 | 27.6 | 28.1        | 26.5                                       | 26.9 | 27.0 | 27.4 | 27.9 |
|  | 4H          | 26.9  | 27.4 | 27.3 | 27.9 | 28.3        | 26.6                                       | 27.2 | 27.0 | 27.6 | 28.0 |
|  | 6H          | 26.8  | 27.3 | 27.3 | 27.7 | 28.2        | 26.5                                       | 27.0 | 27.0 | 27.4 | 27.9 |
|  | 8H          | 26.8  | 27.2 | 27.3 | 27.6 | 28.1        | 26.5                                       | 26.9 | 27.0 | 27.4 | 27.9 |
| Variation of the observer position for the luminaire distances S |             |   |      |      |      |             |  |      |      |      |      |
| S = 1.0H   | +0.3 / -0.3 |   |      |      |      | +0.2 / -0.2 |  |      |      |      |      |
| S = 1.5H   | +1.3 / -1.9 |   |      |      |      | +1.2 / -1.7 |  |      |      |      |      |
| S = 2.0H   | +2.9 / -7.4 |   |      |      |      | +2.6 / -6.8 |  |      |      |      |      |
| Standard table   | BK01        |   |      |      |      | BK01        |  |      |      |      |      |
| Correction<br>Summand  | 9.1         |   |      |      |      | 8.9         |  |      |      |      |      |
| Corrected Glare Indices referring to 16300lm Total Luminous Flux |             |   |      |      |      |             |  |      |      |      |      |

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

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## GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade / Glare Data Sheet

Luminaire: GlacialLight GL-FL150-CW-5000K-120D Lens-with lampshade

Lamps: 1 x Flood Light

| 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  | 2H   | 26.7   | 28.0 | 27.0 | 28.3 | 28.5 | 26.3                                    | 27.7 | 26.6 | 27.9 | 28.2 |
|  | 3H  | 3H   | 26.8   | 28.0 | 27.1 | 28.3 | 28.6 | 26.5                                    | 27.7 | 26.8 | 28.0 | 28.2 |
|  | 4H  | 4H   | 26.7   | 27.9 | 27.1 | 28.1 | 28.4 | 26.4                                    | 27.5 | 26.8 | 27.8 | 28.1 |
|  | 6H  | 6H   | 26.7   | 27.7 | 27.0 | 28.0 | 28.3 | 26.4                                    | 27.4 | 26.7 | 27.7 | 28.0 |
|  | 8H  | 8H   | 26.6   | 27.6 | 27.0 | 27.9 | 28.2 | 26.3                                    | 27.3 | 26.7 | 27.6 | 27.9 |
| 4H   | 12H | 12H  | 26.6   | 27.5 | 27.0 | 27.8 | 28.2 | 26.3                                    | 27.2 | 26.7 | 27.5 | 27.9 |
|  | 2H  | 2H   | 26.9   | 28.0 | 27.3 | 28.3 | 28.6 | 26.6                                    | 27.7 | 27.0 | 28.0 | 28.3 |
|  | 3H  | 3H   | 27.1   | 28.0 | 27.4 | 28.3 | 28.6 | 26.8                                    | 27.7 | 27.2 | 28.0 | 28.4 |
|  | 4H  | 4H   | 27.0   | 27.8 | 27.4 | 28.2 | 28.5 | 26.7                                    | 27.5 | 27.1 | 27.9 | 28.2 |
|  | 6H  | 6H   | 26.9   | 27.6 | 27.3 | 28.0 | 28.4 | 26.7                                    | 27.4 | 27.1 | 27.7 | 28.1 |
| 8H   | 8H  | 8H   | 26.9   | 27.5 | 27.3 | 27.9 | 28.3 | 26.6                                    | 27.3 | 27.1 | 27.7 | 28.1 |
|  | 12H | 12H  | 26.9   | 27.4 | 27.3 | 27.9 | 28.3 | 26.6                                    | 27.2 | 27.0 | 27.6 | 28.0 |
|  | 4H  | 4H   | 26.9   | 27.5 | 27.3 | 27.9 | 28.4 | 26.6                                    | 27.3 | 27.1 | 27.7 | 28.1 |
|  | 6H  | 6H   | 26.8   | 27.4 | 27.3 | 27.8 | 28.2 | 26.6                                    | 27.1 | 27.0 | 27.5 | 28.0 |
|  | 8H  | 8H   | 26.8   | 27.3 | 27.3 | 27.7 | 28.2 | 26.5                                    | 27.0 | 27.0 | 27.4 | 27.9 |
| 12H  | 12H | 12H  | 26.8   | 27.2 | 27.3 | 27.6 | 28.1 | 26.5                                    | 26.9 | 27.0 | 27.4 | 27.9 |
|  | 4H  | 4H   | 26.9   | 27.4 | 27.3 | 27.9 | 28.3 | 26.6                                    | 27.2 | 27.0 | 27.6 | 28.0 |
|  | 6H  | 6H   | 26.8   | 27.3 | 27.3 | 27.7 | 28.2 | 26.5                                    | 27.0 | 27.0 | 27.4 | 27.9 |
|  | 8H  | 8H   | 26.8   | 27.2 | 27.3 | 27.6 | 28.1 | 26.5                                    | 26.9 | 27.0 | 27.4 | 27.9 |
|  | 12H | 12H  | 26.8   | 27.3 | 27.3 | 27.7 | 28.2 | 26.5                                    | 27.0 | 27.0 | 27.4 | 27.9 |
| 8H   | 8H  | 26.8 | 27.2   | 27.3 | 27.6 | 28.1 | 26.5 | 26.9                                    | 27.0 | 27.4 | 27.9 |      |
| Variation of the observer position for the luminaire distances S |     |      |  |      |      |      |      |   |      |      |      |      |
| S = 1.0H   |     |      | +0.3 / -0.3                                    |      |      |      |      | +0.2 / -0.2                             |      |      |      |      |
| S = 1.5H   |     |      | +1.3 / -1.9                                    |      |      |      |      | +1.2 / -1.7                             |      |      |      |      |
| S = 2.0H   |     |      | +2.9 / -7.4                                    |      |      |      |      | +2.6 / -6.8                             |      |      |      |      |
| Standard table   |     |      | BK01   |      |      |      |      | BK01                                    |      |      |      |      |
| Correction Summand   |     |      | 9.1  |      |      |      |      | 8.9                                     |      |      |      |      |
| Corrected Glare Indices referring to 16300lm Total Luminous Flux |     |      |  |      |      |      |      |   |      |      |      |      |

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

