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## GIP Innovation Tools GmbH 29003000150 LIGEO SL E-03-5.0K-PB / UGR-Table

Luminaire: GIP Innovation Tools GmbH 29003000150 LIGEO SL E-03-5.0K-PB  
Lamps: 1 x LED

| <b>Glare Evaluation According to UGR</b>                         |             |   |      |      |      |             |  |      |      |      |      |
|--|-------------|---|------|------|------|-------------|--|------|------|------|------|
| $\rho$ 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          | 21.4  | 22.6 | 21.9 | 23.1 | 23.6        | 20.6                                       | 21.8 | 21.1 | 22.2 | 22.8 |
|  | 3H          | 23.3  | 24.4 | 23.8 | 24.9 | 25.5        | 22.0                                       | 23.1 | 22.5 | 23.6 | 24.2 |
|  | 4H          | 24.2  | 25.2 | 24.7 | 25.8 | 26.4        | 22.5                                       | 23.5 | 23.0 | 24.1 | 24.7 |
|  | 6H          | 25.0  | 26.0 | 25.6 | 26.5 | 27.2        | 22.8                                       | 23.8 | 23.4 | 24.4 | 25.0 |
|  | 8H          | 25.4  | 26.3 | 26.0 | 26.9 | 27.5        | 22.9                                       | 23.9 | 23.5 | 24.4 | 25.1 |
|  | 12H         | 25.7  | 26.6 | 26.3 | 27.2 | 27.9        | 23.0                                       | 23.8 | 23.6 | 24.4 | 25.1 |
| 4H   | 2H          | 21.9  | 23.0 | 22.5 | 23.5 | 24.1        | 21.3                                       | 22.3 | 21.9 | 22.9 | 23.5 |
|  | 3H          | 24.1  | 25.0 | 24.7 | 25.5 | 26.2        | 22.9                                       | 23.8 | 23.5 | 24.4 | 25.0 |
|  | 4H          | 25.1  | 25.9 | 25.7 | 26.5 | 27.2        | 23.6                                       | 24.4 | 24.2 | 25.0 | 25.7 |
|  | 6H          | 26.1  | 26.8 | 26.8 | 27.5 | 28.2        | 24.1                                       | 24.8 | 24.7 | 25.4 | 26.1 |
|  | 8H          | 26.6  | 27.3 | 27.3 | 27.9 | 28.6        | 24.2                                       | 24.9 | 24.9 | 25.5 | 26.2 |
|  | 12H         | 27.1  | 27.7 | 27.7 | 28.3 | 29.1        | 24.3                                       | 24.9 | 25.0 | 25.5 | 26.3 |
| 8H   | 4H          | 25.4  | 26.0 | 26.1 | 26.7 | 27.4        | 24.1                                       | 24.7 | 24.7 | 25.4 | 26.1 |
|  | 6H          | 26.6  | 27.2 | 27.3 | 27.8 | 28.6        | 24.8                                       | 25.3 | 25.4 | 26.0 | 26.7 |
|  | 8H          | 27.2  | 27.7 | 27.9 | 28.4 | 29.2        | 25.0                                       | 25.5 | 25.7 | 26.2 | 27.0 |
|  | 12H         | 27.8  | 28.3 | 28.6 | 29.0 | 29.8        | 25.2                                       | 25.6 | 25.9 | 26.3 | 27.1 |
| 12H  | 4H          | 25.4  | 26.0 | 26.1 | 26.7 | 27.4        | 24.2                                       | 24.8 | 24.8 | 25.4 | 26.2 |
|  | 6H          | 26.7  | 27.2 | 27.4 | 27.8 | 28.6        | 24.9                                       | 25.4 | 25.6 | 26.1 | 26.9 |
|  | 8H          | 27.4  | 27.8 | 28.1 | 28.5 | 29.3        | 25.3                                       | 25.7 | 26.0 | 26.4 | 27.2 |
| Variation of the observer position for the luminaire distances S |             |   |      |      |      |             |  |      |      |      |      |
| S = 1.0H   | +0.1 / -0.1 |   |      |      |      | +0.1 / -0.1 |  |      |      |      |      |
| S = 1.5H   | +0.2 / -0.2 |   |      |      |      | +0.2 / -0.3 |  |      |      |      |      |
| S = 2.0H   | +0.3 / -0.5 |   |      |      |      | +0.4 / -0.7 |  |      |      |      |      |
| Standard table   | BK08        |   |      |      |      | BK06        |  |      |      |      |      |
| Correction<br>Summand  | 11.1        |   |      |      |      | 8.3         |  |      |      |      |      |
| Corrected Glare Indices referring to 507lm Total Luminous Flux   |             |   |      |      |      |             |  |      |      |      |      |

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