

Operator
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TONS DG-9941RL(ZHT-C50-36D) / UGR-Table

Luminaire: TONS DG-9941RL(ZHT-C50-36D)

Lamps: 1 x CREE CMB1516-0000-00PN0U0A30H 700mA

| 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 X Y | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 8.4 | 9.0 | 8.6 | 9.2 | 9.4 | 8.4 | 9.0 | 8.6 | 9.2 | 9.4 |
| | 3H | 8.3 | 8.8 | 8.5 | 9.1 | 9.3 | 8.3 | 8.8 | 8.5 | 9.1 | 9.3 |
| | 4H | 8.2 | 8.7 | 8.5 | 9.0 | 9.2 | 8.2 | 8.7 | 8.5 | 9.0 | 9.2 |
| | 6H | 8.1 | 8.6 | 8.4 | 8.9 | 9.2 | 8.1 | 8.6 | 8.4 | 8.9 | 9.2 |
| | 8H | 8.1 | 8.6 | 8.4 | 8.8 | 9.1 | 8.1 | 8.6 | 8.4 | 8.8 | 9.1 |
| | 12H | 8.0 | 8.5 | 8.4 | 8.8 | 9.1 | 8.0 | 8.5 | 8.4 | 8.8 | 9.1 |
| 4H | 2H | 8.2 | 8.7 | 8.5 | 9.0 | 9.2 | 8.2 | 8.7 | 8.5 | 9.0 | 9.2 |
| | 3H | 8.0 | 8.5 | 8.4 | 8.8 | 9.1 | 8.0 | 8.5 | 8.4 | 8.8 | 9.1 |
| | 4H | 8.0 | 8.4 | 8.3 | 8.7 | 9.0 | 8.0 | 8.4 | 8.3 | 8.7 | 9.0 |
| | 6H | 7.9 | 8.2 | 8.3 | 8.6 | 9.0 | 7.9 | 8.2 | 8.3 | 8.6 | 9.0 |
| | 8H | 7.9 | 8.1 | 8.3 | 8.5 | 8.9 | 7.9 | 8.1 | 8.3 | 8.5 | 8.9 |
| | 12H | 7.8 | 8.1 | 8.2 | 8.5 | 8.9 | 7.8 | 8.1 | 8.2 | 8.5 | 8.9 |
| 8H | 4H | 7.9 | 8.1 | 8.3 | 8.5 | 8.9 | 7.9 | 8.1 | 8.3 | 8.5 | 8.9 |
| | 6H | 7.8 | 8.0 | 8.2 | 8.4 | 8.8 | 7.8 | 8.0 | 8.2 | 8.4 | 8.8 |
| | 8H | 7.7 | 7.9 | 8.2 | 8.3 | 8.8 | 7.7 | 7.9 | 8.2 | 8.3 | 8.8 |
| | 12H | 7.7 | 7.8 | 8.1 | 8.3 | 8.8 | 7.7 | 7.8 | 8.1 | 8.3 | 8.8 |
| 12H | 4H | 7.8 | 8.1 | 8.2 | 8.5 | 8.9 | 7.8 | 8.1 | 8.2 | 8.5 | 8.9 |
| | 6H | 7.7 | 7.9 | 8.2 | 8.3 | 8.8 | 7.7 | 7.9 | 8.2 | 8.3 | 8.8 |
| | 8H | 7.7 | 7.8 | 8.1 | 8.3 | 8.8 | 7.7 | 7.8 | 8.1 | 8.3 | 8.8 |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | |
| S = 1.0H | | +4.3 / -14.5 | | | | | +4.3 / -14.5 | | | | |
| S = 1.5H | | +7.0 / -34.5 | | | | | +7.0 / -34.5 | | | | |
| S = 2.0H | | +9.0 / -40.3 | | | | | +9.0 / -40.3 | | | | |
| Standard table | | BK00 | | | | | BK00 | | | | |
| Correction Summand | | -11.4 | | | | | -11.4 | | | | |
| Corrected Glare Indices referring to 3444lm Total Luminous Flux | | | | | | | | | | | |

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