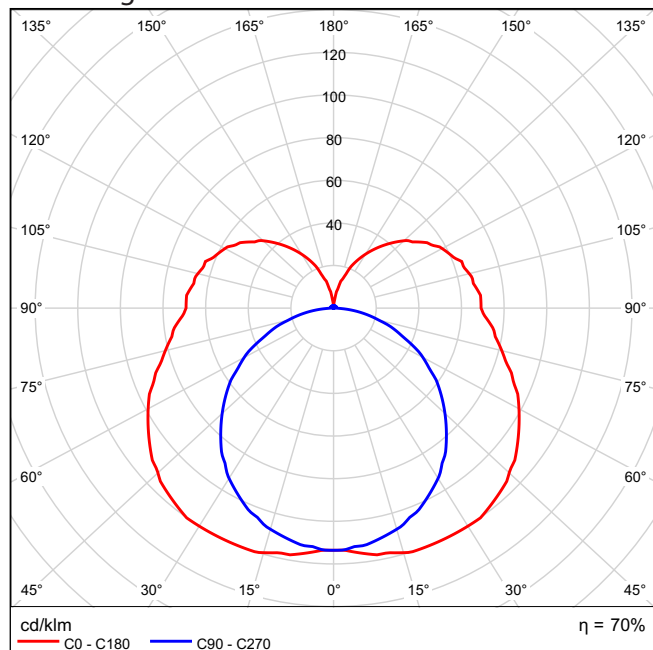


Polar diagram



UGR diagram

| Glare evaluation according to UGR | | | | | | | | | | | | |
|--|-----|---|------|------|------|------|--|------|------|------|------|----|
| p Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 | 30 |
| p Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 | 30 |
| p Floor | | 20 | 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 | 18.0 | 19.1 | 18.7 | 19.8 | 20.6 | 16.2 | 17.3 | 16.8 | 18.0 | 18.8 | |
| | 3H | 20.4 | 21.4 | 21.1 | 22.1 | 22.9 | 17.7 | 18.7 | 18.4 | 19.4 | 20.3 | |
| | 4H | 21.5 | 22.5 | 22.3 | 23.2 | 24.1 | 18.3 | 19.3 | 19.0 | 20.0 | 20.9 | |
| | 6H | 22.7 | 23.6 | 23.5 | 24.4 | 25.2 | 18.8 | 19.7 | 19.5 | 20.4 | 21.3 | |
| | 8H | 23.3 | 24.2 | 24.1 | 24.9 | 25.8 | 19.0 | 19.8 | 19.7 | 20.6 | 21.4 | |
| | 12H | 23.9 | 24.8 | 24.7 | 25.5 | 26.4 | 19.1 | 19.9 | 19.8 | 20.6 | 21.5 | |
| 4H | 2H | 18.6 | 19.6 | 19.3 | 20.3 | 21.1 | 17.3 | 18.2 | 18.0 | 18.9 | 19.8 | |
| | 3H | 21.2 | 22.0 | 21.9 | 22.7 | 23.6 | 19.1 | 19.9 | 19.8 | 20.6 | 21.5 | |
| | 4H | 22.5 | 23.3 | 23.3 | 24.0 | 25.0 | 19.9 | 20.6 | 20.6 | 21.4 | 22.3 | |
| | 6H | 23.9 | 24.6 | 24.7 | 25.4 | 26.3 | 20.5 | 21.1 | 21.3 | 21.9 | 22.9 | |
| | 8H | 24.6 | 25.2 | 25.4 | 26.0 | 27.0 | 20.7 | 21.3 | 21.5 | 22.1 | 23.1 | |
| | 12H | 25.3 | 25.9 | 26.2 | 26.7 | 27.7 | 20.9 | 21.4 | 21.7 | 22.3 | 23.2 | |
| 8H | 4H | 22.8 | 23.5 | 23.6 | 24.3 | 25.2 | 20.7 | 21.3 | 21.5 | 22.1 | 23.0 | |
| | 6H | 24.5 | 25.0 | 25.3 | 25.8 | 26.8 | 21.6 | 22.1 | 22.4 | 22.9 | 23.9 | |
| | 8H | 25.4 | 25.8 | 26.2 | 26.7 | 27.7 | 22.0 | 22.5 | 22.8 | 23.3 | 24.3 | |
| | 12H | 26.3 | 26.7 | 27.1 | 27.5 | 28.6 | 22.3 | 22.7 | 23.2 | 23.6 | 24.6 | |
| 12H | 4H | 22.9 | 23.4 | 23.7 | 24.2 | 25.2 | 20.9 | 21.4 | 21.7 | 22.2 | 23.2 | |
| | 6H | 24.6 | 25.0 | 25.4 | 25.9 | 26.9 | 21.9 | 22.4 | 22.8 | 23.2 | 24.3 | |
| | 8H | 25.5 | 25.9 | 26.4 | 26.8 | 27.8 | 22.5 | 22.9 | 23.3 | 23.7 | 24.8 | |
| 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 / -0.4 | | | | | +0.4 / -0.6 | | | | | |
| Standard table | | BK11 | | | | | BK14 | | | | | |
| Correction summand | | 9.3 | | | | | 4.7 | | | | | |
| Corrected glare indices referring to 460lm Total luminous flux | | | | | | | | | | | | |

The UGR values are calculated in acc. with CIE Publ. 117. Spacing-to-Height-Ratio = 0.25