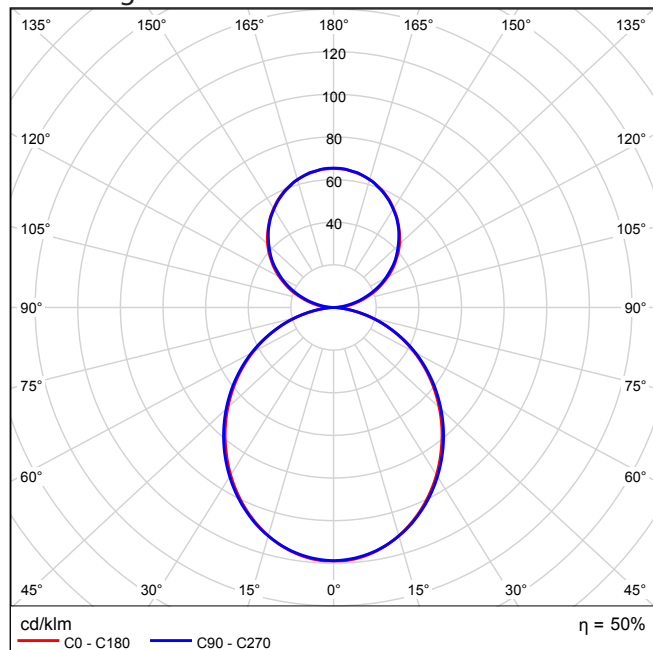
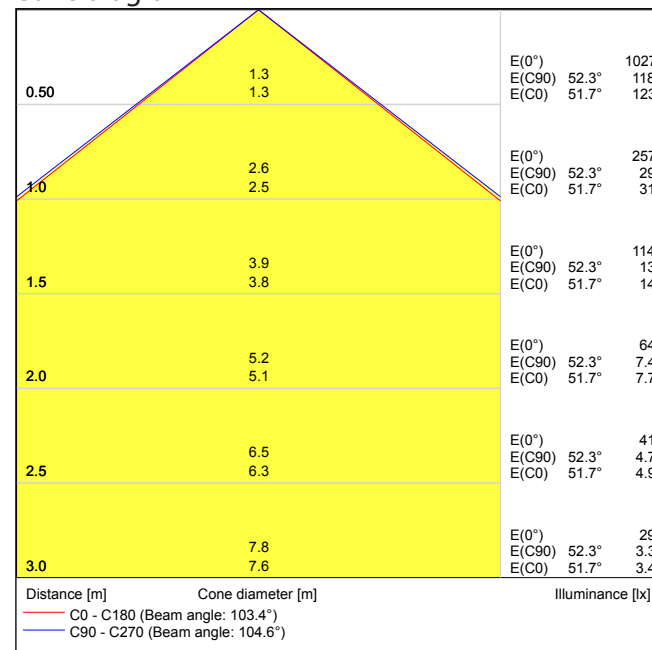


Polar diagram



Cone diagram



UGR diagram

| 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 | 19.2 | 20.1 | 19.9 | 20.8 | 21.8 | 19.9 | 20.8 | 20.6 | 21.5 | 22.4 | |
| | 3H | 20.3 | 21.1 | 21.1 | 21.9 | 22.9 | 21.2 | 22.0 | 22.0 | 22.8 | 23.8 | |
| | 4H | 20.7 | 21.4 | 21.5 | 22.2 | 23.2 | 21.7 | 22.4 | 22.5 | 23.2 | 24.2 | |
| | 6H | 20.9 | 21.5 | 21.7 | 22.4 | 23.4 | 22.0 | 22.6 | 22.8 | 23.5 | 24.5 | |
| | 8H | 20.9 | 21.5 | 21.7 | 22.4 | 23.4 | 22.0 | 22.7 | 22.8 | 23.5 | 24.5 | |
| | 12H | 20.8 | 21.5 | 21.7 | 22.3 | 23.3 | 22.0 | 22.6 | 22.8 | 23.5 | 24.5 | |
| 4H | 2H | 19.7 | 20.4 | 20.5 | 21.2 | 22.2 | 20.2 | 21.0 | 21.0 | 21.8 | 22.8 | |
| | 3H | 21.0 | 21.6 | 21.8 | 22.4 | 23.5 | 21.7 | 22.3 | 22.5 | 23.2 | 24.2 | |
| | 4H | 21.4 | 22.0 | 22.3 | 22.8 | 23.9 | 22.3 | 22.8 | 23.1 | 23.7 | 24.7 | |
| | 6H | 21.7 | 22.1 | 22.6 | 23.0 | 24.1 | 22.6 | 23.1 | 23.5 | 24.0 | 25.1 | |
| | 8H | 21.7 | 22.1 | 22.6 | 23.0 | 24.1 | 22.7 | 23.1 | 23.6 | 24.0 | 25.1 | |
| | 12H | 21.7 | 22.1 | 22.6 | 23.0 | 24.1 | 22.7 | 23.1 | 23.6 | 24.0 | 25.1 | |
| 8H | 4H | 21.6 | 22.0 | 22.5 | 22.9 | 24.0 | 22.3 | 22.8 | 23.2 | 23.6 | 24.8 | |
| | 6H | 21.9 | 22.2 | 22.8 | 23.1 | 24.3 | 22.8 | 23.1 | 23.7 | 24.0 | 25.2 | |
| | 8H | 21.9 | 22.2 | 22.9 | 23.2 | 24.3 | 22.9 | 23.2 | 23.8 | 24.1 | 25.3 | |
| | 12H | 21.9 | 22.2 | 22.9 | 23.1 | 24.3 | 22.9 | 23.2 | 23.8 | 24.1 | 25.3 | |
| 12H | 4H | 21.5 | 21.9 | 22.4 | 22.8 | 23.9 | 22.3 | 22.7 | 23.2 | 23.6 | 24.7 | |
| | 6H | 21.9 | 22.2 | 22.8 | 23.1 | 24.2 | 22.7 | 23.0 | 23.7 | 24.0 | 25.1 | |
| | 8H | 21.9 | 22.2 | 22.9 | 23.1 | 24.3 | 22.8 | 23.1 | 23.8 | 24.0 | 25.2 | |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | | |
| S = 1.0H S = 1.5H S = 2.0H | | +0.2 / -0.2 +0.3 / -0.5 +0.6 / -1.0 | | | | | +0.1 / -0.1 +0.2 / -0.4 +0.6 / -0.8 | | | | | |
| Standard table | | BK04 | | | | | BK05 | | | | | |
| Correction summand | | 3.1 | | | | | 4.5 | | | | | |
| Corrected glare indices referring to 2160lm Total luminous flux | | | | | | | | | | | | |

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