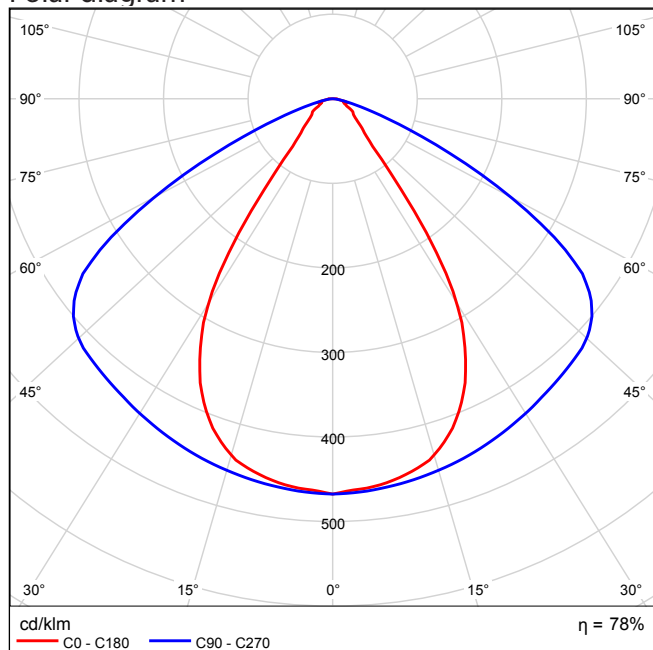
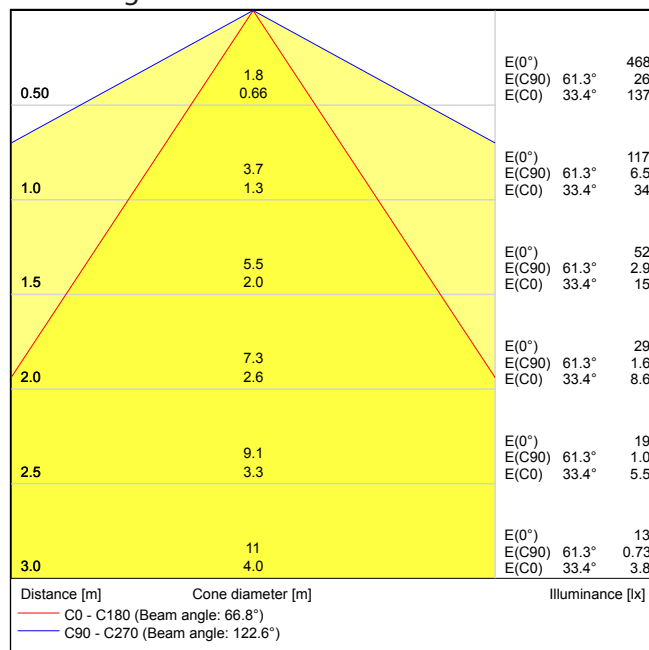


Polar diagram



Cone 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 | 12.2 | 13.2 | 12.5 | 13.4 | 13.6 | 22.5 | 23.4 | 22.7 | 23.6 | 23.9 | |
| | 3H | 12.5 | 13.4 | 12.8 | 13.6 | 13.9 | 23.0 | 23.9 | 23.3 | 24.1 | 24.4 | |
| | 4H | 12.8 | 13.6 | 13.1 | 13.9 | 14.2 | 23.0 | 23.9 | 23.4 | 24.1 | 24.4 | |
| | 6H | 13.1 | 13.9 | 13.5 | 14.2 | 14.5 | 23.0 | 23.8 | 23.4 | 24.1 | 24.4 | |
| | 8H | 13.2 | 13.9 | 13.5 | 14.2 | 14.5 | 23.0 | 23.7 | 23.4 | 24.0 | 24.4 | |
| | 12H | 13.2 | 13.9 | 13.6 | 14.2 | 14.6 | 23.0 | 23.7 | 23.3 | 24.0 | 24.3 | |
| 4H | 2H | 12.3 | 13.2 | 12.6 | 13.4 | 13.7 | 22.2 | 23.1 | 22.6 | 23.3 | 23.6 | |
| | 3H | 12.7 | 13.4 | 13.1 | 13.8 | 14.1 | 22.8 | 23.5 | 23.1 | 23.8 | 24.1 | |
| | 4H | 13.2 | 13.8 | 13.6 | 14.2 | 14.5 | 22.9 | 23.5 | 23.3 | 23.8 | 24.2 | |
| | 6H | 13.7 | 14.2 | 14.1 | 14.6 | 15.0 | 22.9 | 23.4 | 23.3 | 23.8 | 24.2 | |
| | 8H | 13.8 | 14.3 | 14.2 | 14.7 | 15.1 | 22.9 | 23.3 | 23.3 | 23.7 | 24.1 | |
| | 12H | 13.9 | 14.3 | 14.3 | 14.7 | 15.1 | 22.8 | 23.3 | 23.3 | 23.7 | 24.1 | |
| 8H | 4H | 13.4 | 13.9 | 13.8 | 14.3 | 14.7 | 22.8 | 23.2 | 23.2 | 23.6 | 24.0 | |
| | 6H | 14.0 | 14.3 | 14.4 | 14.8 | 15.2 | 22.8 | 23.2 | 23.2 | 23.6 | 24.0 | |
| | 8H | 14.1 | 14.4 | 14.6 | 14.9 | 15.4 | 22.8 | 23.1 | 23.3 | 23.6 | 24.0 | |
| | 12H | 14.2 | 14.5 | 14.7 | 15.0 | 15.5 | 22.8 | 23.0 | 23.3 | 23.5 | 24.0 | |
| 12H | 4H | 13.4 | 13.8 | 13.8 | 14.2 | 14.7 | 22.7 | 23.2 | 23.2 | 23.6 | 24.0 | |
| | 6H | 14.0 | 14.3 | 14.5 | 14.8 | 15.3 | 22.8 | 23.1 | 23.2 | 23.5 | 24.0 | |
| | 8H | 14.2 | 14.5 | 14.7 | 14.9 | 15.4 | 22.7 | 23.0 | 23.2 | 23.5 | 24.0 | |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | | |
| S = 1.0H | | +2.2 / -1.4 | | | | | +1.5 / -3.7 | | | | | |
| S = 1.5H | | +4.0 / -1.8 | | | | | +3.4 / -6.6 | | | | | |
| S = 2.0H | | +5.6 / -2.3 | | | | | +5.1 / -8.0 | | | | | |
| Standard table | | BK03 | | | | | BK01 | | | | | |
| Correction summand | | -4.8 | | | | | 4.0 | | | | | |
| Corrected glare indices referring to 250lm Total luminous flux | | | | | | | | | | | | |

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