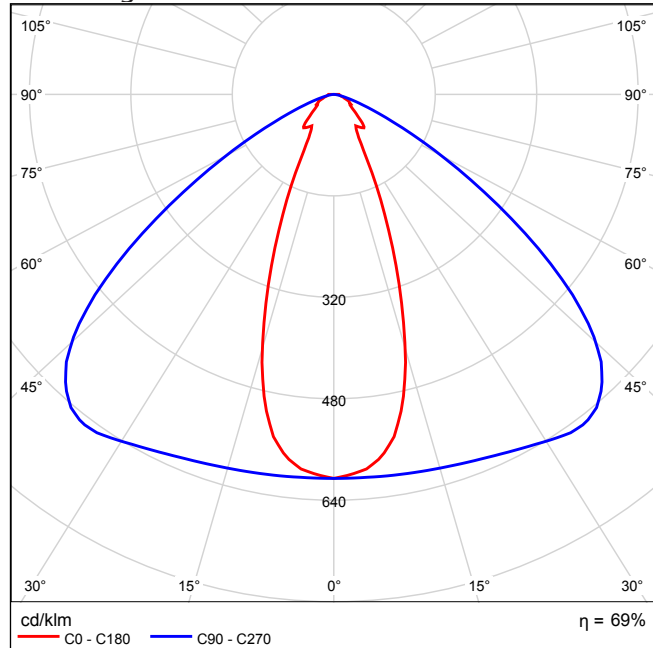
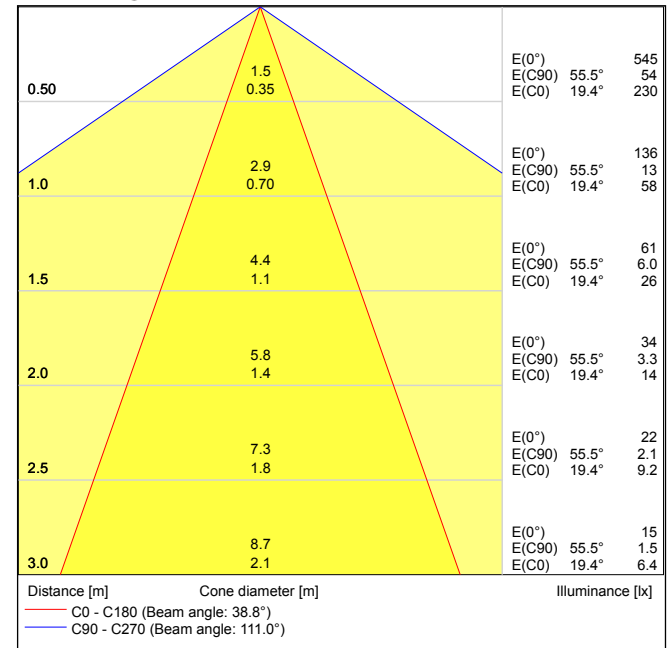


Polar diagram



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 | 10.4 | 11.4 | 10.7 | 11.6 | 11.8 | 21.7 | 22.7 | 22.0 | 22.9 | 23.1 | |
| | 3H | 11.5 | 12.4 | 11.8 | 12.7 | 12.9 | 22.0 | 22.9 | 22.3 | 23.2 | 23.4 | |
| | 4H | 11.9 | 12.8 | 12.3 | 13.0 | 13.3 | 22.1 | 22.9 | 22.4 | 23.2 | 23.5 | |
| | 6H | 12.2 | 13.0 | 12.6 | 13.3 | 13.6 | 22.1 | 22.9 | 22.4 | 23.1 | 23.4 | |
| | 8H | 12.4 | 13.1 | 12.7 | 13.4 | 13.7 | 22.1 | 22.8 | 22.4 | 23.1 | 23.4 | |
| | 12H | 12.5 | 13.2 | 12.9 | 13.5 | 13.9 | 22.0 | 22.7 | 22.4 | 23.1 | 23.4 | |
| 4H | 2H | 10.9 | 11.7 | 11.2 | 12.0 | 12.3 | 21.5 | 22.3 | 21.8 | 22.6 | 22.9 | |
| | 3H | 12.2 | 12.9 | 12.6 | 13.3 | 13.6 | 21.9 | 22.6 | 22.2 | 22.9 | 23.2 | |
| | 4H | 12.8 | 13.4 | 13.1 | 13.7 | 14.1 | 21.9 | 22.6 | 22.3 | 22.9 | 23.3 | |
| | 6H | 13.2 | 13.7 | 13.6 | 14.1 | 14.5 | 22.0 | 22.5 | 22.4 | 22.9 | 23.3 | |
| | 8H | 13.4 | 13.9 | 13.8 | 14.3 | 14.7 | 22.0 | 22.4 | 22.4 | 22.8 | 23.2 | |
| | 12H | 13.6 | 14.0 | 14.0 | 14.4 | 14.9 | 21.9 | 22.4 | 22.4 | 22.8 | 23.2 | |
| 8H | 4H | 13.1 | 13.6 | 13.5 | 14.0 | 14.4 | 21.9 | 22.4 | 22.3 | 22.7 | 23.2 | |
| | 6H | 13.6 | 14.0 | 14.1 | 14.5 | 14.9 | 21.9 | 22.3 | 22.4 | 22.7 | 23.2 | |
| | 8H | 13.9 | 14.3 | 14.4 | 14.7 | 15.2 | 21.9 | 22.3 | 22.4 | 22.7 | 23.2 | |
| | 12H | 14.3 | 14.6 | 14.7 | 15.0 | 15.5 | 21.9 | 22.2 | 22.4 | 22.7 | 23.2 | |
| 12H | 4H | 13.1 | 13.6 | 13.6 | 14.0 | 14.4 | 21.8 | 22.3 | 22.3 | 22.7 | 23.1 | |
| | 6H | 13.7 | 14.1 | 14.2 | 14.5 | 15.0 | 21.9 | 22.2 | 22.4 | 22.7 | 23.1 | |
| | 8H | 14.1 | 14.4 | 14.6 | 14.9 | 15.4 | 21.9 | 22.2 | 22.4 | 22.7 | 23.2 | |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | | |
| S = 1.0H | | +0.4 / -0.4 | | | | | +2.0 / -3.9 | | | | | |
| S = 1.5H | | +0.7 / -0.6 | | | | | +4.2 / -5.4 | | | | | |
| S = 2.0H | | +1.2 / -0.9 | | | | | +6.0 / -6.6 | | | | | |
| Standard table | | BK05 | | | | | BK01 | | | | | |
| Correction summand | | -4.8 | | | | | 2.8 | | | | | |
| Corrected glare indices referring to 225lm Total luminous flux | | | | | | | | | | | | |

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