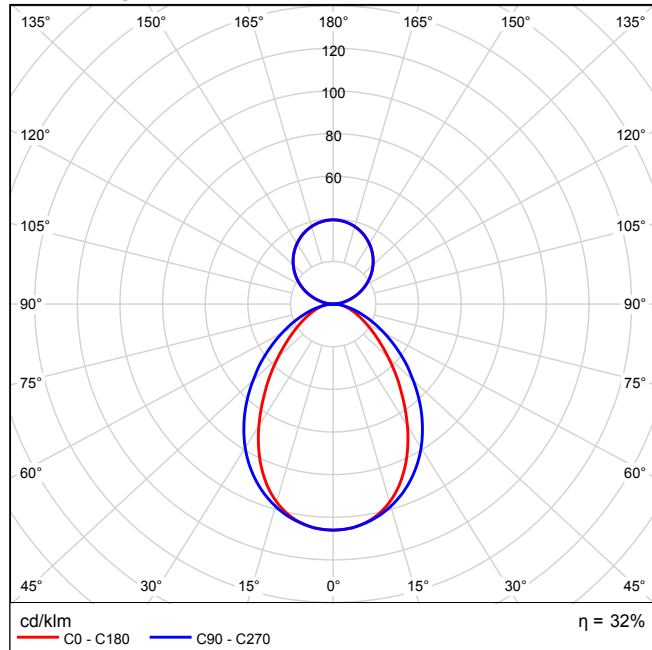
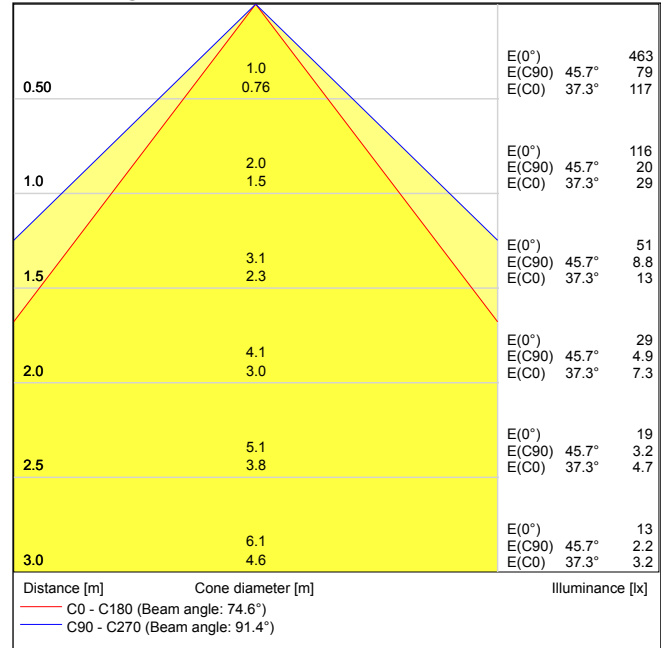


Polar diagram



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 | 14.5 | 15.3 | 15.2 | 16.0 | 16.9 | 17.4 | 18.3 | 18.2 | 19.0 | 19.9 | |
| | 3H | 15.1 | 15.8 | 15.8 | 16.6 | 17.5 | 18.4 | 19.1 | 19.1 | 19.9 | 20.8 | |
| | 4H | 15.3 | 16.0 | 16.1 | 16.7 | 17.7 | 18.7 | 19.4 | 19.5 | 20.2 | 21.1 | |
| | 6H | 15.4 | 16.1 | 16.2 | 16.9 | 17.8 | 18.9 | 19.6 | 19.7 | 20.3 | 21.3 | |
| | 8H | 15.5 | 16.1 | 16.3 | 16.9 | 17.9 | 18.9 | 19.6 | 19.8 | 20.4 | 21.3 | |
| | 12H | 15.5 | 16.1 | 16.3 | 16.9 | 17.9 | 19.0 | 19.5 | 19.8 | 20.3 | 21.3 | |
| 4H | 2H | 15.0 | 15.7 | 15.8 | 16.4 | 17.4 | 17.4 | 18.2 | 18.2 | 18.9 | 19.8 | |
| | 3H | 15.7 | 16.3 | 16.5 | 17.1 | 18.1 | 18.5 | 19.1 | 19.4 | 19.9 | 20.9 | |
| | 4H | 16.0 | 16.5 | 16.8 | 17.3 | 18.3 | 19.0 | 19.5 | 19.8 | 20.3 | 21.3 | |
| | 6H | 16.2 | 16.7 | 17.1 | 17.5 | 18.6 | 19.3 | 19.7 | 20.1 | 20.6 | 21.6 | |
| | 8H | 16.3 | 16.7 | 17.2 | 17.6 | 18.6 | 19.3 | 19.7 | 20.2 | 20.6 | 21.7 | |
| | 12H | 16.4 | 16.7 | 17.3 | 17.6 | 18.7 | 19.4 | 19.7 | 20.3 | 20.6 | 21.7 | |
| 8H | 4H | 16.2 | 16.6 | 17.0 | 17.4 | 18.5 | 18.9 | 19.3 | 19.8 | 20.2 | 21.2 | |
| | 6H | 16.5 | 16.8 | 17.4 | 17.7 | 18.8 | 19.3 | 19.6 | 20.2 | 20.5 | 21.6 | |
| | 8H | 16.6 | 16.9 | 17.5 | 17.8 | 18.9 | 19.4 | 19.7 | 20.3 | 20.6 | 21.7 | |
| | 12H | 16.8 | 17.0 | 17.7 | 17.9 | 19.1 | 19.5 | 19.7 | 20.4 | 20.6 | 21.8 | |
| 12H | 4H | 16.1 | 16.5 | 17.0 | 17.4 | 18.5 | 18.9 | 19.2 | 19.8 | 20.1 | 21.2 | |
| | 6H | 16.5 | 16.8 | 17.4 | 17.7 | 18.8 | 19.3 | 19.5 | 20.2 | 20.4 | 21.6 | |
| | 8H | 16.7 | 16.9 | 17.6 | 17.8 | 19.0 | 19.4 | 19.6 | 20.3 | 20.5 | 21.7 | |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | | |
| S = 1.0H S = 1.5H S = 2.0H | | +0.3 / -0.5 +0.6 / -1.1 +1.1 / -1.7 | | | | | +0.1 / -0.2 +0.5 / -0.6 +1.3 / -1.3 | | | | | |
| Standard table | | BK04 | | | | | BK04 | | | | | |
| Correction summand | | -3.6 | | | | | -0.6 | | | | | |
| Corrected glare indices referring to 1092lm Total luminous flux | | | | | | | | | | | | |

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