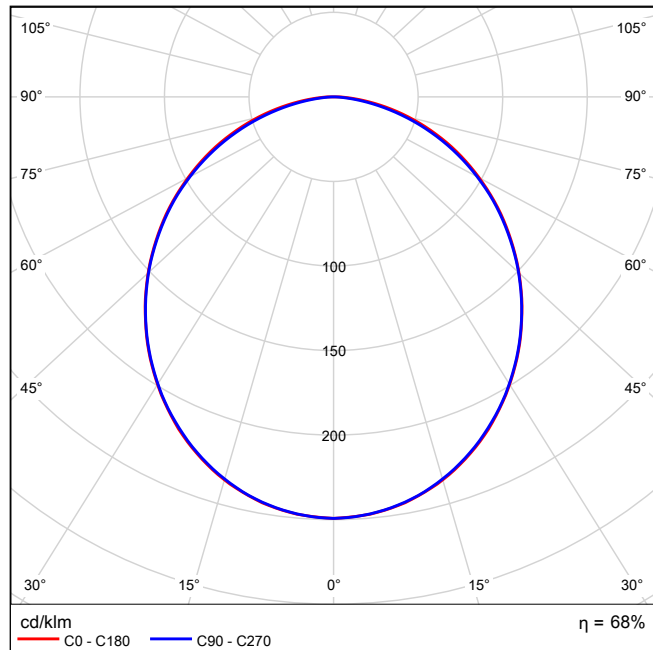
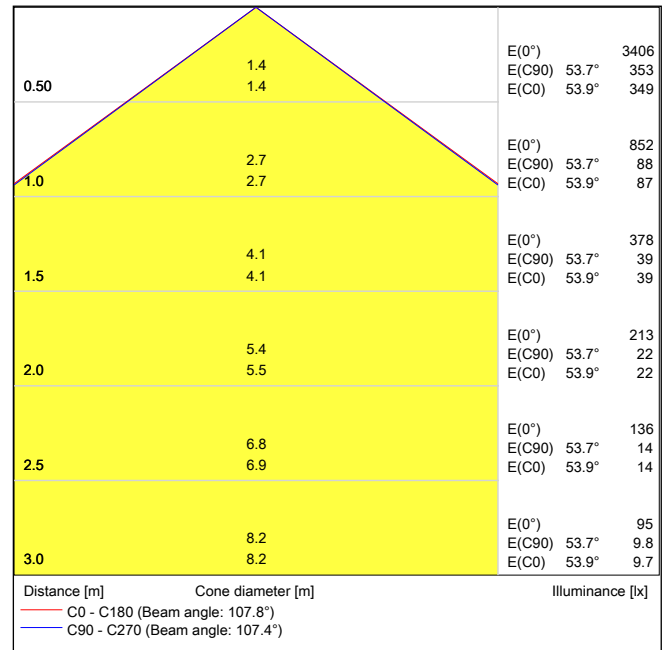


Polar diagram



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 | 23.0 | 24.4 | 23.3 | 24.6 | 24.8 | 24.0 | 25.3 | 24.3 | 25.6 | 25.8 | |
| | 3H | 24.3 | 25.5 | 24.6 | 25.7 | 26.0 | 25.5 | 26.7 | 25.8 | 26.9 | 27.2 | |
| | 4H | 24.7 | 25.8 | 25.1 | 26.1 | 26.4 | 26.1 | 27.2 | 26.4 | 27.5 | 27.8 | |
| | 6H | 25.0 | 26.0 | 25.3 | 26.3 | 26.6 | 26.4 | 27.5 | 26.8 | 27.8 | 28.1 | |
| | 8H | 25.0 | 26.0 | 25.4 | 26.4 | 26.7 | 26.5 | 27.5 | 26.9 | 27.8 | 28.2 | |
| | 12H | 25.1 | 26.0 | 25.4 | 26.3 | 26.7 | 26.6 | 27.5 | 26.9 | 27.8 | 28.2 | |
| 4H | 2H | 23.7 | 24.8 | 24.0 | 25.1 | 25.4 | 24.5 | 25.6 | 24.8 | 25.9 | 26.2 | |
| | 3H | 25.1 | 26.1 | 25.5 | 26.4 | 26.7 | 26.1 | 27.1 | 26.5 | 27.4 | 27.7 | |
| | 4H | 25.7 | 26.5 | 26.1 | 26.9 | 27.2 | 26.8 | 27.6 | 27.2 | 28.0 | 28.3 | |
| | 6H | 26.0 | 26.7 | 26.4 | 27.1 | 27.5 | 27.2 | 28.0 | 27.7 | 28.4 | 28.8 | |
| | 8H | 26.1 | 26.8 | 26.5 | 27.2 | 27.6 | 27.4 | 28.1 | 27.8 | 28.4 | 28.9 | |
| | 12H | 26.1 | 26.8 | 26.6 | 27.2 | 27.6 | 27.4 | 28.1 | 27.9 | 28.5 | 28.9 | |
| 8H | 4H | 25.9 | 26.6 | 26.3 | 27.0 | 27.4 | 26.9 | 27.6 | 27.4 | 28.0 | 28.4 | |
| | 6H | 26.3 | 26.9 | 26.8 | 27.3 | 27.8 | 27.5 | 28.0 | 27.9 | 28.5 | 28.9 | |
| | 8H | 26.5 | 27.0 | 27.0 | 27.4 | 27.9 | 27.6 | 28.1 | 28.1 | 28.6 | 29.1 | |
| | 12H | 26.6 | 27.0 | 27.0 | 27.4 | 27.9 | 27.7 | 28.2 | 28.2 | 28.6 | 29.1 | |
| 12H | 4H | 25.9 | 26.5 | 26.4 | 26.9 | 27.4 | 26.9 | 27.5 | 27.4 | 27.9 | 28.4 | |
| | 6H | 26.4 | 26.9 | 26.9 | 27.3 | 27.8 | 27.5 | 28.0 | 28.0 | 28.4 | 28.9 | |
| | 8H | 26.5 | 26.9 | 27.0 | 27.4 | 27.9 | 27.7 | 28.1 | 28.2 | 28.6 | 29.1 | |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | | |
| S = 1.0H | | +0.1 / -0.2 | | | | | +0.1 / -0.1 | | | | | |
| S = 1.5H | | +0.3 / -0.5 | | | | | +0.2 / -0.3 | | | | | |
| S = 2.0H | | +0.6 / -1.0 | | | | | +0.6 / -0.8 | | | | | |
| Standard table | | BK04 | | | | | BK05 | | | | | |
| Correction summand | | 7.4 | | | | | 9.1 | | | | | |
| Corrected glare indices referring to 3416lm Total luminous flux | | | | | | | | | | | | |

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