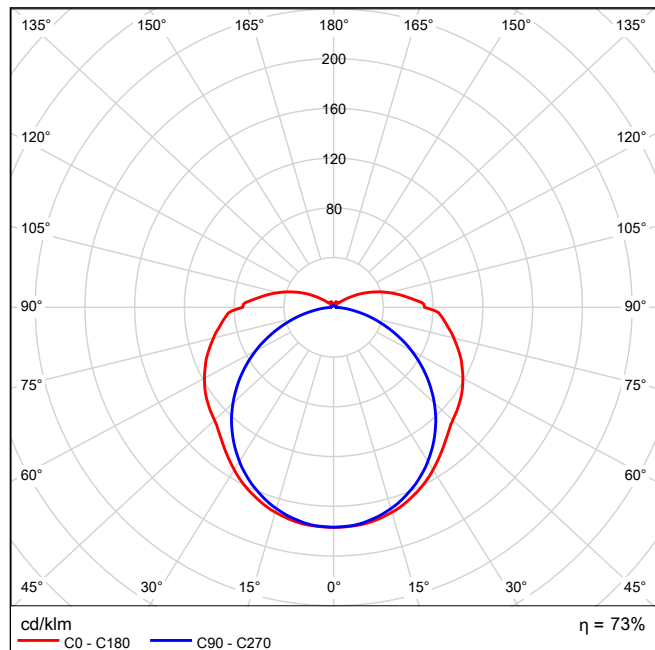
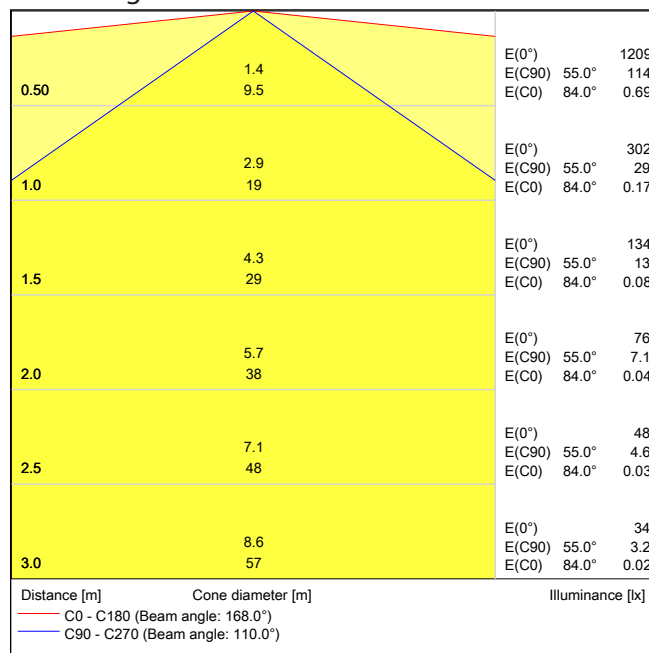


**Polar diagram**

**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	18.9	20.2	19.4	20.6	21.1	17.5	18.8	18.0	19.3	19.8	
	3H	21.4	22.6	21.9	23.1	23.6	19.0	20.2	19.5	20.7	21.3	
	4H	22.7	23.8	23.2	24.3	24.9	19.6	20.8	20.2	21.3	21.8	
	6H	24.0	25.1	24.6	25.6	26.2	20.1	21.1	20.6	21.7	22.2	
	8H	24.7	25.7	25.2	26.2	26.8	20.2	21.3	20.8	21.8	22.4	
	12H	25.3	26.3	25.9	26.9	27.5	20.3	21.3	20.9	21.9	22.5	
4H	2H	19.5	20.7	20.1	21.2	21.7	18.5	19.6	19.0	20.1	20.7	
	3H	22.3	23.3	22.9	23.8	24.4	20.3	21.3	20.9	21.8	22.4	
	4H	23.8	24.7	24.4	25.2	25.9	21.1	22.0	21.7	22.5	23.2	
	6H	25.3	26.1	25.9	26.7	27.4	21.7	22.5	22.3	23.1	23.8	
	8H	26.1	26.8	26.7	27.4	28.1	21.9	22.7	22.6	23.3	24.0	
	12H	26.8	27.5	27.5	28.1	28.8	22.1	22.8	22.7	23.4	24.1	
8H	4H	24.2	24.9	24.8	25.5	26.2	22.0	22.7	22.6	23.3	24.0	
	6H	26.0	26.6	26.6	27.2	27.9	23.0	23.6	23.6	24.2	24.9	
	8H	26.9	27.5	27.6	28.1	28.9	23.4	23.9	24.0	24.6	25.3	
	12H	27.9	28.4	28.6	29.0	29.8	23.7	24.2	24.4	24.8	25.6	
12H	4H	24.2	24.9	24.8	25.5	26.2	22.2	22.9	22.9	23.5	24.2	
	6H	26.1	26.6	26.8	27.3	28.0	23.4	23.9	24.0	24.6	25.3	
	8H	27.1	27.6	27.8	28.3	29.0	23.9	24.4	24.6	25.1	25.8	
	12H	28.1	28.6	28.8	29.3	30.0	24.4	24.9	25.1	25.6	26.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H S = 1.5H S = 2.0H		+0.1 / -0.1 +0.2 / -0.2 +0.3 / -0.4					+0.1 / -0.1 +0.2 / -0.2 +0.3 / -0.5					
Standard table		BK11					BK14					
Correction summand		10.4					5.8					
Corrected glare indices referring to 1708lm Total luminous flux												

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