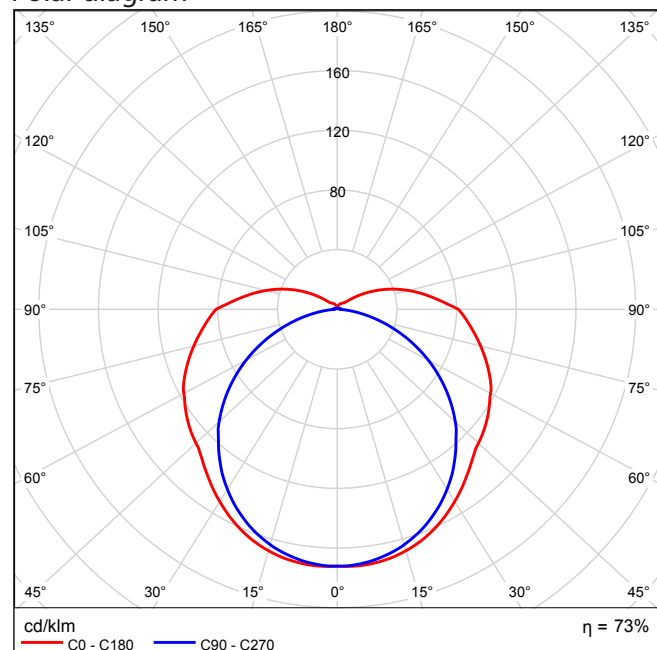
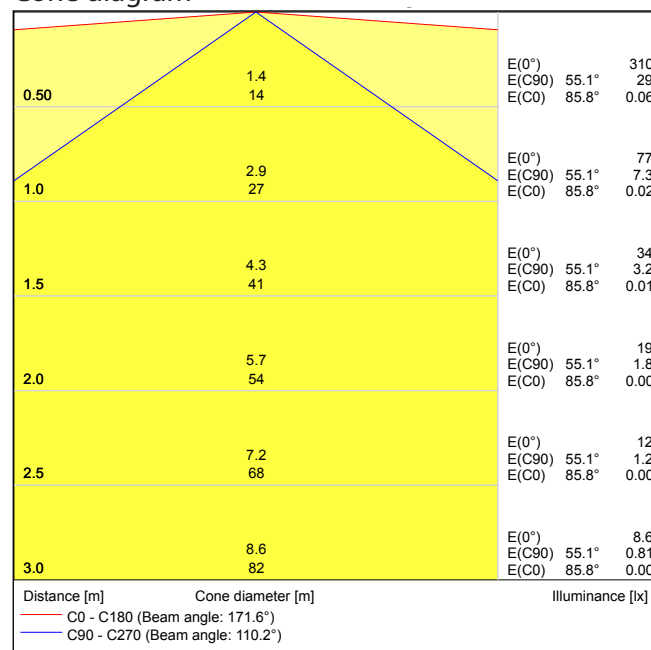


**Polar diagram**

**Cone diagram**

**UGR diagram**

Glare evaluation according to UGR												
ρ Ceiling	70	70	50	50	30	70	70	50	50	30		
ρ Walls	50	30	50	30	30	50	30	50	30	30		
ρ 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	18.3	19.6	18.8	20.1	20.6	16.8	18.1	17.3	18.6	19.1	
	3H	20.8	22.0	21.4	22.5	23.1	18.3	19.4	18.8	19.9	20.5	
	4H	22.1	23.2	22.7	23.8	24.3	18.8	19.9	19.4	20.5	21.0	
	6H	23.5	24.5	24.0	25.0	25.6	19.2	20.3	19.8	20.8	21.4	
	8H	24.1	25.1	24.7	25.7	26.3	19.3	20.3	19.9	20.9	21.5	
4H	12H	24.8	25.7	25.3	26.3	26.9	19.4	20.4	20.0	20.9	21.6	
	2H	18.9	20.0	19.5	20.6	21.1	17.8	18.9	18.4	19.4	20.0	
	3H	21.7	22.7	22.3	23.2	23.9	19.6	20.5	20.1	21.1	21.7	
	4H	23.2	24.1	23.8	24.7	25.3	20.3	21.2	20.9	21.8	22.4	
	6H	24.7	25.5	25.3	26.1	26.8	20.9	21.7	21.5	22.3	23.0	
8H	8H	25.5	26.2	26.1	26.8	27.5	21.1	21.8	21.7	22.4	23.1	
	12H	26.3	26.9	26.9	27.6	28.3	21.2	21.9	21.9	22.5	23.2	
	4H	23.6	24.3	24.2	24.9	25.6	21.2	22.0	21.9	22.6	23.3	
	6H	25.4	26.0	26.0	26.6	27.4	22.2	22.8	22.8	23.4	24.2	
	8H	26.3	26.8	27.0	27.5	28.3	22.5	23.1	23.2	23.8	24.5	
12H	12H	27.3	27.8	28.0	28.4	29.2	22.8	23.3	23.5	24.0	24.8	
	4H	23.6	24.3	24.2	24.9	25.6	21.5	22.1	22.1	22.8	23.5	
	6H	25.5	26.0	26.1	26.7	27.4	22.6	23.1	23.3	23.8	24.6	
	8H	26.5	27.0	27.2	27.7	28.4	23.1	23.6	23.8	24.3	25.0	
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	9.8					5.1						
Corrected glare indices referring to 450lm Total luminous flux												

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