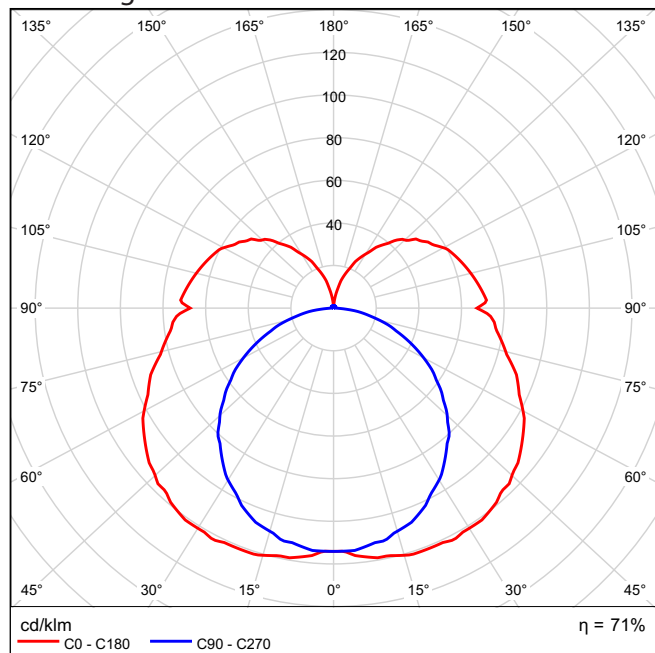


Polar diagram



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	18.4	19.5	19.1	20.2	21.0	16.5	17.6	17.1	18.3	19.1
	3H	20.7	21.8	21.4	22.5	23.3	18.0	19.0	18.7	19.7	20.6
	4H	21.9	22.9	22.6	23.6	24.5	18.6	19.6	19.4	20.3	21.2
	6H	23.1	24.0	23.9	24.8	25.6	19.1	20.0	19.8	20.7	21.6
	8H	23.7	24.6	24.5	25.3	26.2	19.3	20.1	20.0	20.9	21.8
	12H	24.3	25.2	25.1	25.9	26.8	19.4	20.2	20.1	20.9	21.8
4H	2H	19.0	19.9	19.7	20.7	21.5	17.6	18.5	18.3	19.3	20.1
	3H	21.5	22.4	22.3	23.1	24.0	19.4	20.2	20.1	21.0	21.9
	4H	22.9	23.7	23.7	24.4	25.4	20.2	20.9	21.0	21.7	22.6
	6H	24.3	25.0	25.1	25.8	26.7	20.8	21.5	21.6	22.3	23.2
	8H	25.0	25.6	25.8	26.4	27.4	21.1	21.7	21.9	22.5	23.4
	12H	25.7	26.3	26.6	27.1	28.1	21.2	21.8	22.0	22.6	23.6
8H	4H	23.2	23.8	24.0	24.6	25.6	21.0	21.6	21.8	22.4	23.4
	6H	24.9	25.4	25.7	26.2	27.2	21.9	22.4	22.8	23.3	24.3
	8H	25.8	26.2	26.6	27.0	28.1	22.3	22.8	23.2	23.6	24.7
	12H	26.7	27.1	27.5	27.9	29.0	22.6	23.0	23.5	23.9	24.9
12H	4H	23.2	23.8	24.1	24.6	25.6	21.2	21.7	22.0	22.6	23.6
	6H	25.0	25.4	25.8	26.3	27.3	22.3	22.7	23.1	23.6	24.6
	8H	25.9	26.3	26.8	27.2	28.2	22.8	23.2	23.7	24.1	25.1

## Variation of the observer position for the luminaire distances S

S = 1.0H	+0.1 / -0.1	+0.1 / -0.1
S = 1.5H	+0.2 / -0.2	+0.2 / -0.3
S = 2.0H	+0.3 / -0.4	+0.4 / -0.6
Standard table	BK11	BK14
Correction summand	9.7	5.1
Corrected glare indices referring to 500lm Total luminous flux		

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