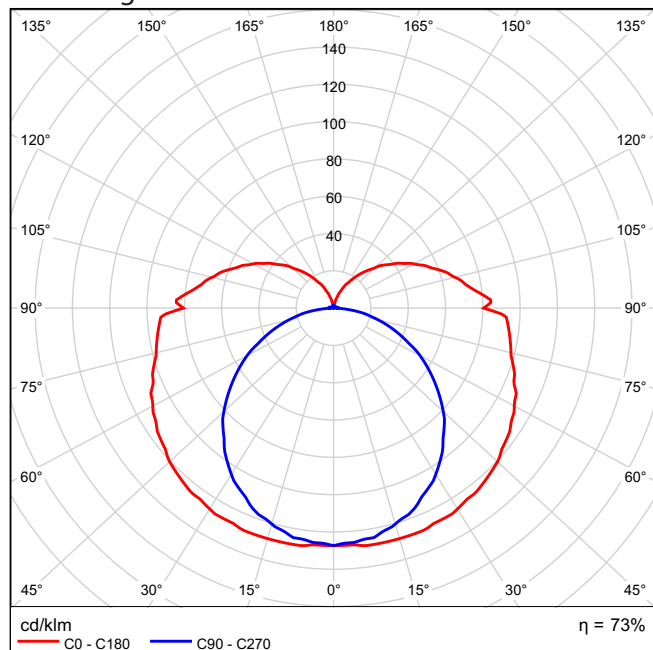


Polar diagram



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	18.8	19.9	19.4	20.6	21.3	16.7	17.9	17.4	18.5	19.3	19.3
	3H	21.3	22.4	22.0	23.0	23.8	18.3	19.3	18.9	20.0	20.8	20.8
	4H	22.6	23.6	23.3	24.3	25.1	18.9	19.9	19.6	20.6	21.4	21.4
	6H	24.0	24.9	24.7	25.6	26.5	19.4	20.4	20.1	21.1	21.9	21.9
	8H	24.7	25.6	25.4	26.3	27.1	19.6	20.5	20.3	21.2	22.1	22.1
	12H	25.4	26.2	26.1	27.0	27.8	19.7	20.6	20.4	21.3	22.1	22.1
4H	2H	19.4	20.4	20.0	21.0	21.8	17.9	18.9	18.6	19.6	20.4	20.4
	3H	22.1	23.0	22.9	23.7	24.6	19.7	20.6	20.4	21.3	22.1	22.1
	4H	23.6	24.4	24.4	25.2	26.0	20.5	21.3	21.2	22.0	22.9	22.9
	6H	25.2	25.9	26.0	26.7	27.6	21.2	21.9	21.9	22.6	23.5	23.5
	8H	26.0	26.7	26.8	27.4	28.3	21.4	22.1	22.2	22.8	23.7	23.7
	12H	26.8	27.4	27.6	28.2	29.1	21.6	22.2	22.4	23.0	23.9	23.9
8H	4H	24.0	24.6	24.7	25.4	26.3	21.5	22.1	22.2	22.9	23.8	23.8
	6H	25.8	26.3	26.6	27.1	28.1	22.4	23.0	23.2	23.8	24.7	24.7
	8H	26.8	27.3	27.6	28.1	29.1	22.9	23.3	23.7	24.2	25.1	25.1
	12H	27.8	28.2	28.6	29.1	30.1	23.2	23.6	24.0	24.4	25.4	25.4
12H	4H	24.0	24.6	24.8	25.4	26.3	21.7	22.3	22.5	23.1	24.0	24.0
	6H	25.9	26.4	26.7	27.2	28.2	22.9	23.4	23.7	24.2	25.1	25.1
	8H	27.0	27.4	27.8	28.2	29.2	23.4	23.9	24.2	24.7	25.7	25.7
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 / - 0.2					
S = 2.0H		+0.3 / - 0.4					+0.3 / - 0.5					
Standard table		BK12					BK13					
Correction summand		11.1					6.1					
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