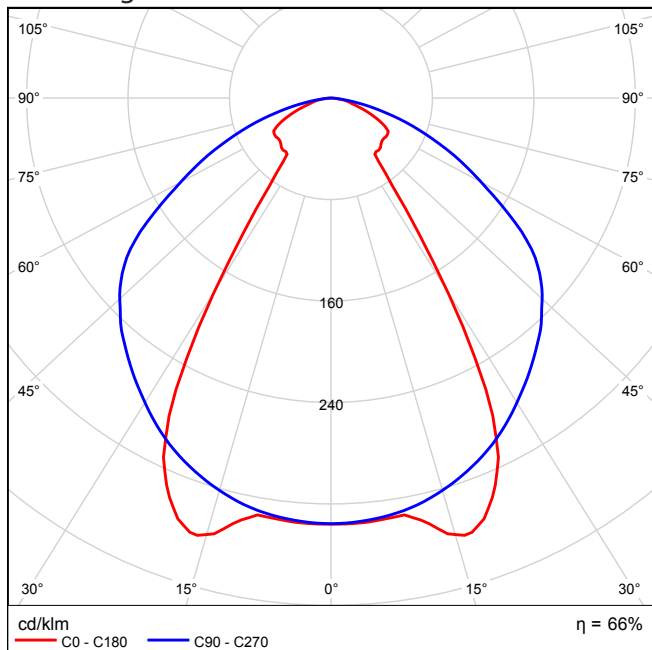
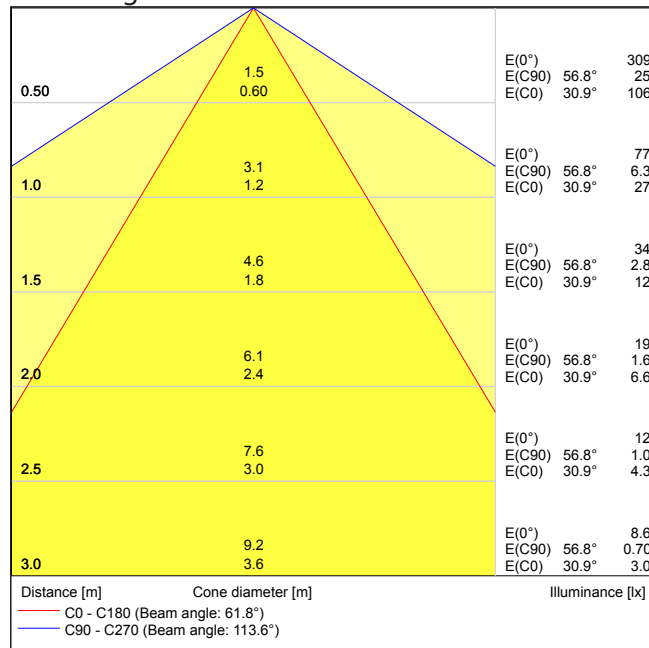


Polar diagram

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	13.9	15.0	14.2	15.2	15.4	22.0	23.1	22.3	23.3	23.5	23.5
	3H	15.0	16.0	15.3	16.3	16.5	23.0	24.0	23.3	24.2	24.5	24.5
	4H	15.3	16.2	15.6	16.5	16.8	23.2	24.1	23.5	24.4	24.7	24.7
	6H	15.4	16.3	15.8	16.6	16.9	23.3	24.2	23.7	24.5	24.8	24.8
	8H	15.5	16.3	15.8	16.6	16.9	23.4	24.2	23.7	24.5	24.8	24.8
	12H	15.5	16.3	15.8	16.6	16.9	23.3	24.1	23.7	24.4	24.8	24.8
4H	2H	14.5	15.4	14.8	15.7	16.0	21.8	22.8	22.2	23.0	23.3	23.3
	3H	15.8	16.6	16.1	16.9	17.2	22.9	23.6	23.2	24.0	24.3	24.3
	4H	16.1	16.8	16.5	17.1	17.5	23.1	23.8	23.5	24.1	24.5	24.5
	6H	16.3	16.9	16.7	17.3	17.7	23.3	23.8	23.7	24.2	24.6	24.6
	8H	16.4	16.9	16.8	17.3	17.7	23.3	23.8	23.7	24.2	24.6	24.6
	12H	16.4	16.9	16.8	17.3	17.7	23.3	23.8	23.7	24.2	24.6	24.6
8H	4H	16.3	16.8	16.7	17.2	17.6	23.0	23.6	23.5	24.0	24.4	24.4
	6H	16.5	17.0	17.0	17.4	17.9	23.2	23.6	23.6	24.0	24.5	24.5
	8H	16.6	17.0	17.1	17.4	17.9	23.2	23.6	23.7	24.0	24.5	24.5
	12H	16.7	17.0	17.1	17.4	17.9	23.2	23.5	23.7	24.0	24.5	24.5
12H	4H	16.3	16.7	16.7	17.1	17.6	23.0	23.5	23.4	23.9	24.3	24.3
	6H	16.6	16.9	17.0	17.4	17.8	23.2	23.5	23.6	24.0	24.5	24.5
	8H	16.6	17.0	17.1	17.4	17.9	23.2	23.5	23.7	24.0	24.5	24.5
Variation of the observer position for the luminaire distances S												
S = 1.0H		+1.1 / -0.6					+0.3 / -0.5					
S = 1.5H		+1.6 / -0.7					+1.5 / -3.2					
S = 2.0H		+1.9 / -1.1					+3.0 / -6.3					
Standard table		BK04					BK03					
Correction summand		-2.3					4.6					
Corrected glare indices referring to 230lm Total luminous flux												

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