

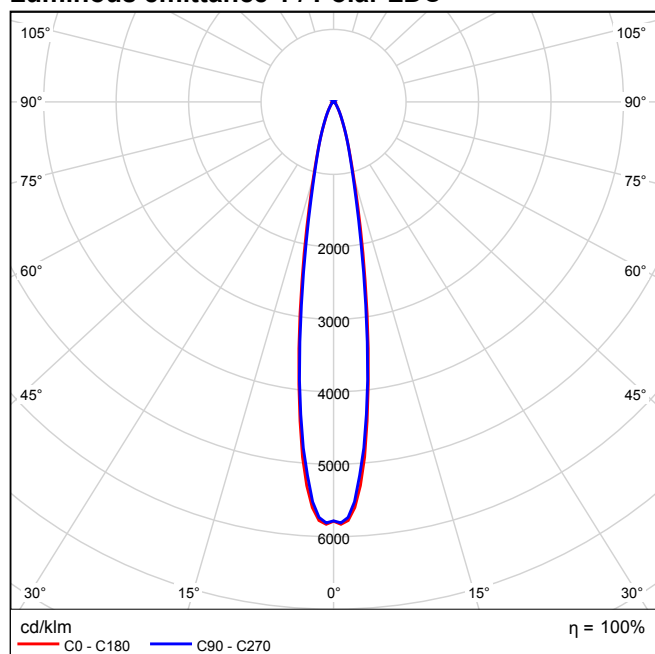
## SHOA SH-1292 LED



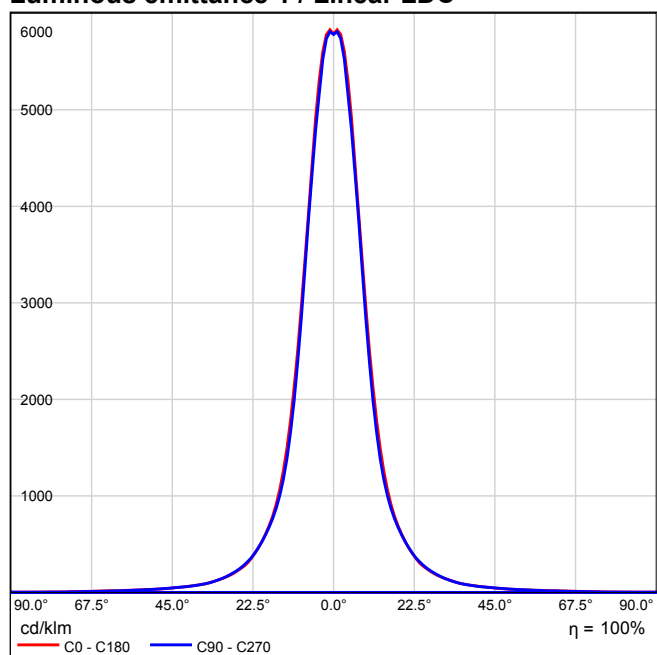
Light output ratio: 100%  
 Lamp luminous flux: 1395 lm  
 Luminaire luminous flux: 1395 lm  
 Power: 12.0 W  
 Luminous efficacy: 116.3 lm/W

Colorimetric data  
 1x: CCT 3000 K, CRI 80

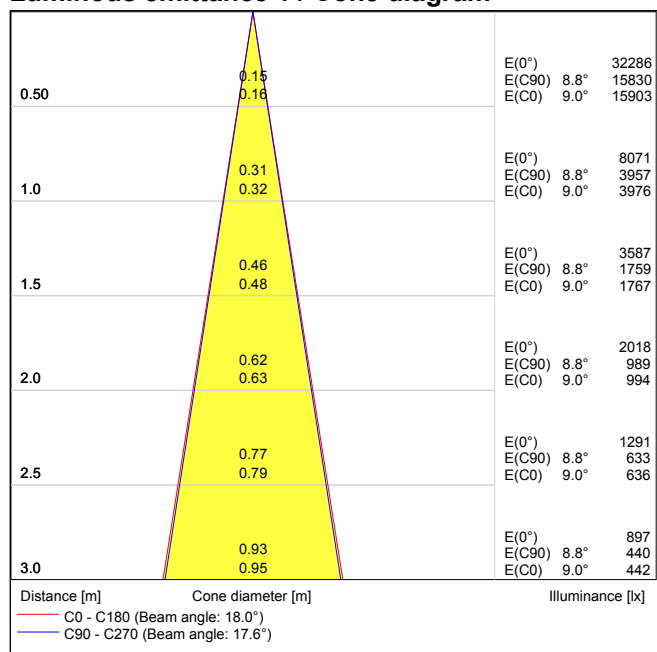
### Luminous emittance 1 / Polar LDC



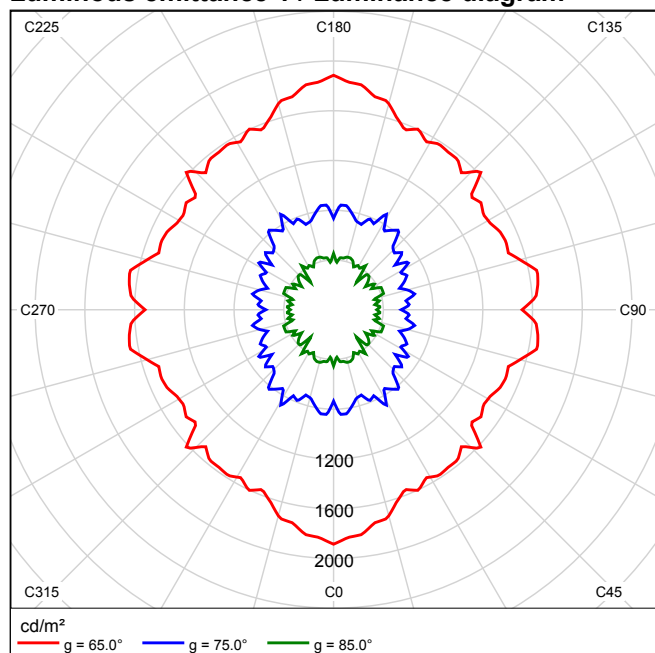
### Luminous emittance 1 / Linear LDC



### Luminous emittance 1 / Cone diagram



### Luminous emittance 1 / Luminance diagram



### Luminous emittance 1 / 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	11.5	12.2	11.7	12.4	12.6	11.4	12.1	11.7	12.3	12.5	
	3H	11.8	12.5	12.1	12.7	12.9	11.6	12.3	11.9	12.5	12.8	
	4H	11.9	12.5	12.2	12.8	13.0	11.7	12.3	12.0	12.5	12.8	
	6H	11.9	12.5	12.2	12.8	13.0	11.7	12.2	12.0	12.5	12.8	
	8H	11.9	12.5	12.3	12.8	13.1	11.6	12.2	12.0	12.5	12.8	
	12H	11.9	12.4	12.3	12.7	13.0	11.6	12.2	12.0	12.5	12.8	
4H	2H	11.6	12.2	11.9	12.4	12.7	11.5	12.1	11.8	12.4	12.6	
	3H	12.0	12.5	12.3	12.8	13.1	11.8	12.3	12.2	12.6	13.0	
	4H	12.1	12.6	12.5	12.9	13.3	11.9	12.3	12.3	12.7	13.0	
	6H	12.2	12.6	12.6	12.9	13.3	11.9	12.3	12.3	12.6	13.0	
	8H	12.2	12.6	12.6	12.9	13.3	11.9	12.2	12.3	12.6	13.0	
	12H	12.3	12.5	12.7	12.9	13.4	11.9	12.2	12.4	12.6	13.0	
8H	4H	12.1	12.5	12.5	12.8	13.2	11.9	12.2	12.3	12.6	13.0	
	6H	12.2	12.5	12.7	12.9	13.3	11.9	12.2	12.4	12.6	13.0	
	8H	12.3	12.5	12.7	12.9	13.4	12.0	12.2	12.4	12.6	13.1	
	12H	12.3	12.5	12.8	13.0	13.5	12.0	12.2	12.5	12.6	13.1	
12H	4H	12.1	12.4	12.5	12.8	13.2	11.9	12.1	12.3	12.5	13.0	
	6H	12.2	12.4	12.7	12.9	13.3	11.9	12.1	12.4	12.6	13.0	
	8H	12.3	12.4	12.8	12.9	13.4	11.9	12.1	12.4	12.6	13.1	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+1.6 / -1.4					+1.7 / -1.6					
S = 1.5H		+3.4 / -2.1					+3.6 / -2.7					
S = 2.0H		+5.0 / -3.3					+5.3 / -3.8					
Standard table		BK02					BK01					
Correction Summand		-5.6					-6.2					
Corrected glare indices referring to 1395lm Total luminous flux												

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