

Commission

Manufacturer	GRAH LED Lighting
Subject of measurement	LSL-30-01-A-00-026-AA-LS-4200-26 (SN: 00407534N0001) Ident-Nummer: 1820711
Fitted with	LED module
Measuring task	Analysis of light distribution (far field light intensity distribution, LID) in accordance with DIN EN 13032-1

Testing conditions

Measurement no.	7864	Ambient temperature	$T_{\text{Labor}} = 24,2 \text{ }^{\circ}\text{C}$
Date of measurement	05.06.14	Electrical parameters	$U = 229,9 \text{ V}$
Measurement apparatus	TechnoTeam RiGo801 near field goniometer		$I = 0,128 \text{ A}$
Warm-up time used for sample $t > 1\text{h}$			$P = 27,3 \text{ W}$

Dimensions of luminaire

Length	430 mm
Width	310 mm
Height	135 mm
Dimensions of radiant surface	
Length	175 mm
Width	230 mm

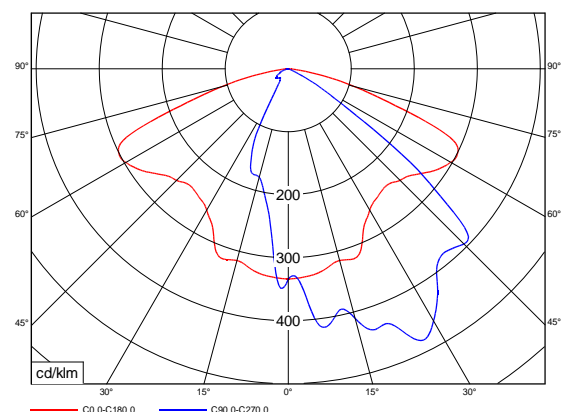
Photograph of sample



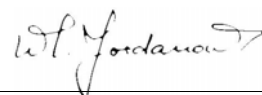
Measurements obtained

Total flux (utilized luminaire flux)	3171 lm
Flux in lower hemisphere	100,0 %
Flux in upper hemisphere	0,0 %
Maximum luminous intensity	612,9 cd/klm
on C level	22,5 °
at γ angle	54,0 °
Light output ratio (LOR)	100 %
luminous efficacy	116,1 lm/W

Light intensity distribution, Radiation pattern

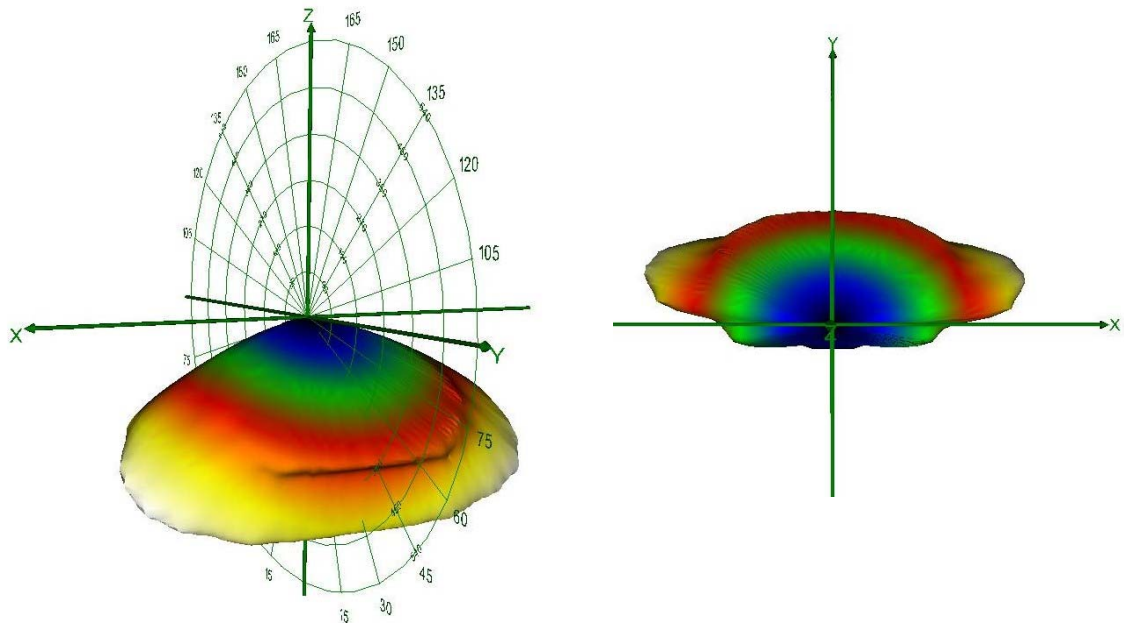


Ilmenau, 11th. June, 2013



W. Jordanow, Graduate Engineer Laboratory Manager

Light intensity distribution, 3D diagram



Isolux diagram

