

Commission

Manufacturer	GRAH LED Lighting
Subject of measurement	LSL-90-01-A-00-107-AA-LS-4200-111 (SN: 00407536N0001) Ident-Nummer: 1830811
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.	7871	Ambient temperature	$T_{\text{Labor}} = 24,5 \text{ }^{\circ}\text{C}$
Date of measurement	05.06.14	Electrical parameters	$U = 229,8 \text{ V}$
Measurement apparatus	TechnoTeam RiGo801 near field goniometer		$I = 0,477 \text{ A}$
Warm-up time used for sample $t > 1\text{h}$			$P = 106,8 \text{ W}$

Dimensions of luminaire

Length	720 mm
Width	465 mm
Height	139 mm

Dimensions of radiant surface

Length	375 mm
Width	350 mm

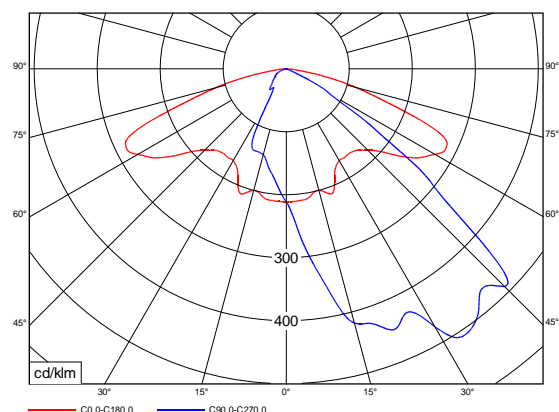
Photograph of sample



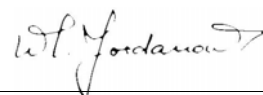
Measurements obtained

Total flux (utilized luminaire flux)	12883 lm
Flux in lower hemisphere	100,0 %
Flux in upper hemisphere	0,0 %
Maximum luminous intensity	618,4 cd/klm
on C level	27,5 °
at γ angle	55,0 °
Light output ratio (LOR)	100 %
luminous efficacy	120,6 lm/W

Light intensity distribution, Radiation pattern

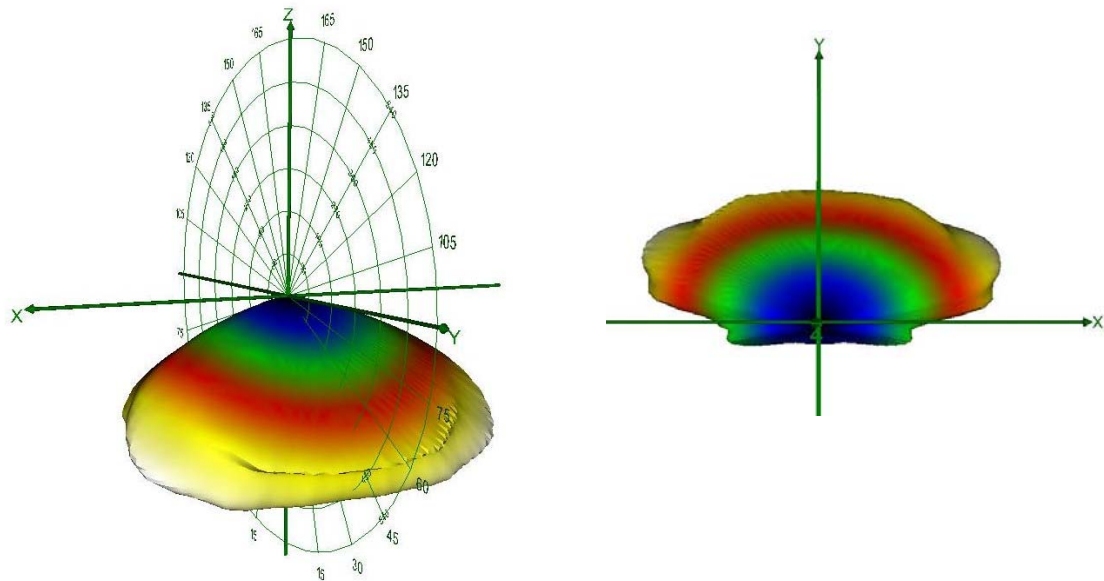


Ilmenau, 11th. June, 2013



W. Jordanow, Graduate Engineer Laboratory Manager

Light intensity distribution, 3D diagram



Isolux diagram

