

# Photometric Report

**R-G-B**



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# Impression 90 RGB – Photometric Report

GLP R&D Center Germany, 18.11.2008

**Manufacturer:** GLP German Light Products GmbH, Im Stöckmädle 13,  
76307 Karlsbad, Germany

**Product:** Impression 90 RGB

## Light Source:

Model: Philips Lumileds Luxeon K2 LED  
Configuration: 30 x red, 30 x green, 30 x blue color LED in RGB array configuration  
Rated Service Lifetime: 50000 h  
Rated output: 6500 lm (cumulated flux of whole RGB array)

## Power Supply:

Power supply: Electronic, built in  
Power Factor: 0.994

## Test conditions:

AC supply: 230.1 V / 50Hz  
Power Consumption: 338 W  
Lens option: Minimum spread (12° FWHM)  
Frost Filter Option: no

## Photometric Procedure:

Date: 24.10.2008  
Goniometer Type: ANSI/IESNA LM-75-01 Type C  
Goniometer Model: LMT GO-DS 1600 automated Goniometer with mirror arrangement  
Throw distance: 10m  
Data File Format: according to ANSI/IESNA LM-63-02  
File Name: Impression.ies

## Output:

### Approx. output of 700W CMY discharge wash: (Same spread angle as impression)

Total:	4998 lumens	White:	18580 lumens
Red only:	1836 lumens	Red (cmy):	1491 lumens
Green only:	2679 lumens	Green (cmy):	1393 lumens
Blue only:	483 lumens	Blue (cmy):	143 lumens

<b>Luminaire Type:</b>	Multiple-lamp Far-field luminaire
<b>Luminaire efficacy:</b>	15.72 lm/W
<b>Intended throw:</b>	$\geq 3\text{m}$
<b>Luminous intensity:</b>	88000 cd

**Ambient Temperature Limits:** 0°C – 45°C

**Dimension (L x W x H):** 340 x 145 x 370 mm

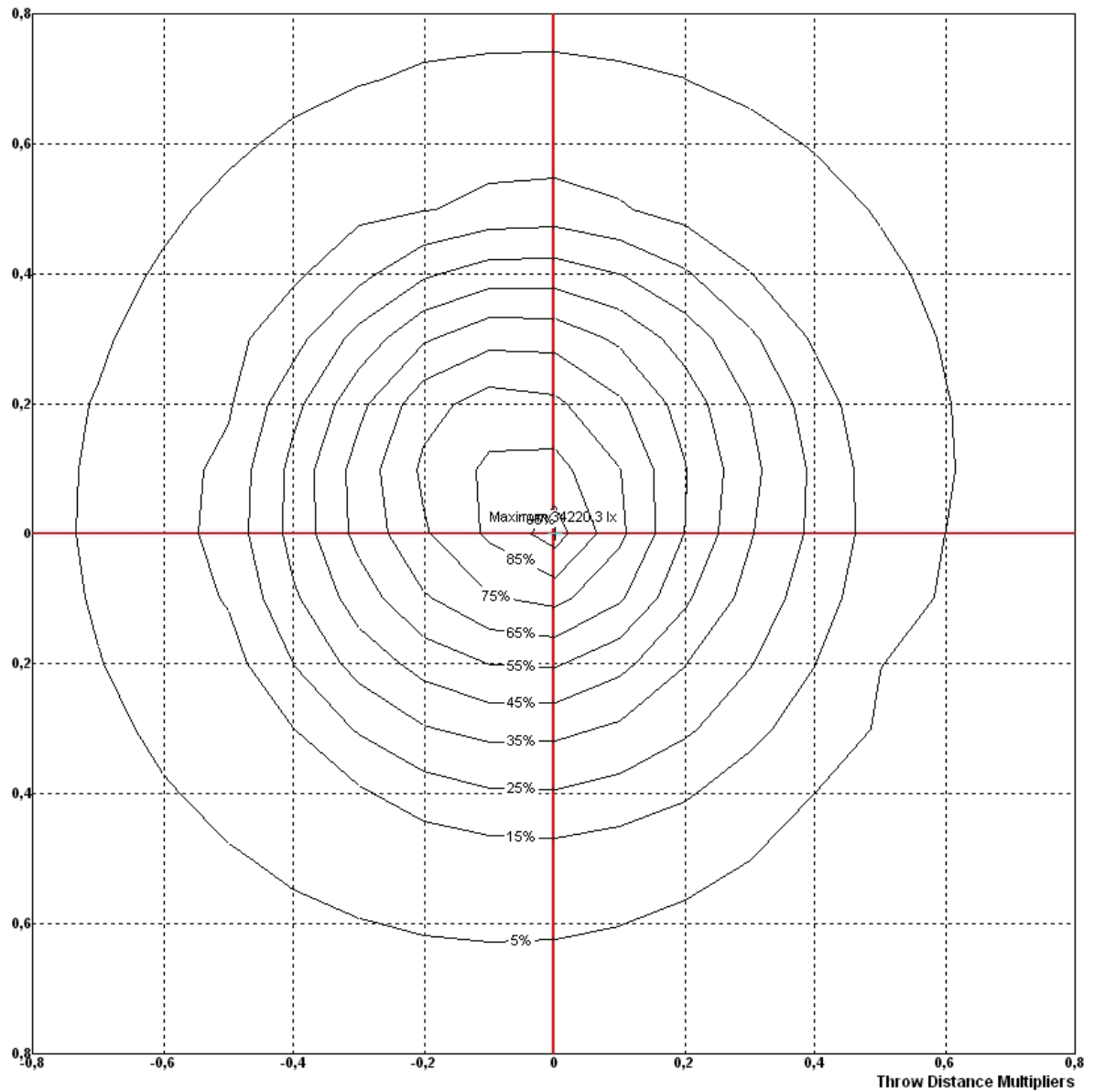
**Weight:** 7.5 Kg

**Approvals:** EN 60598-1, EN 60598-2-17, EN 55 015, EN 55 103, EN 61 000-3  
ANSI/UL 1573, CSA C22.2 No. 166

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## Illuminance distribution diagram

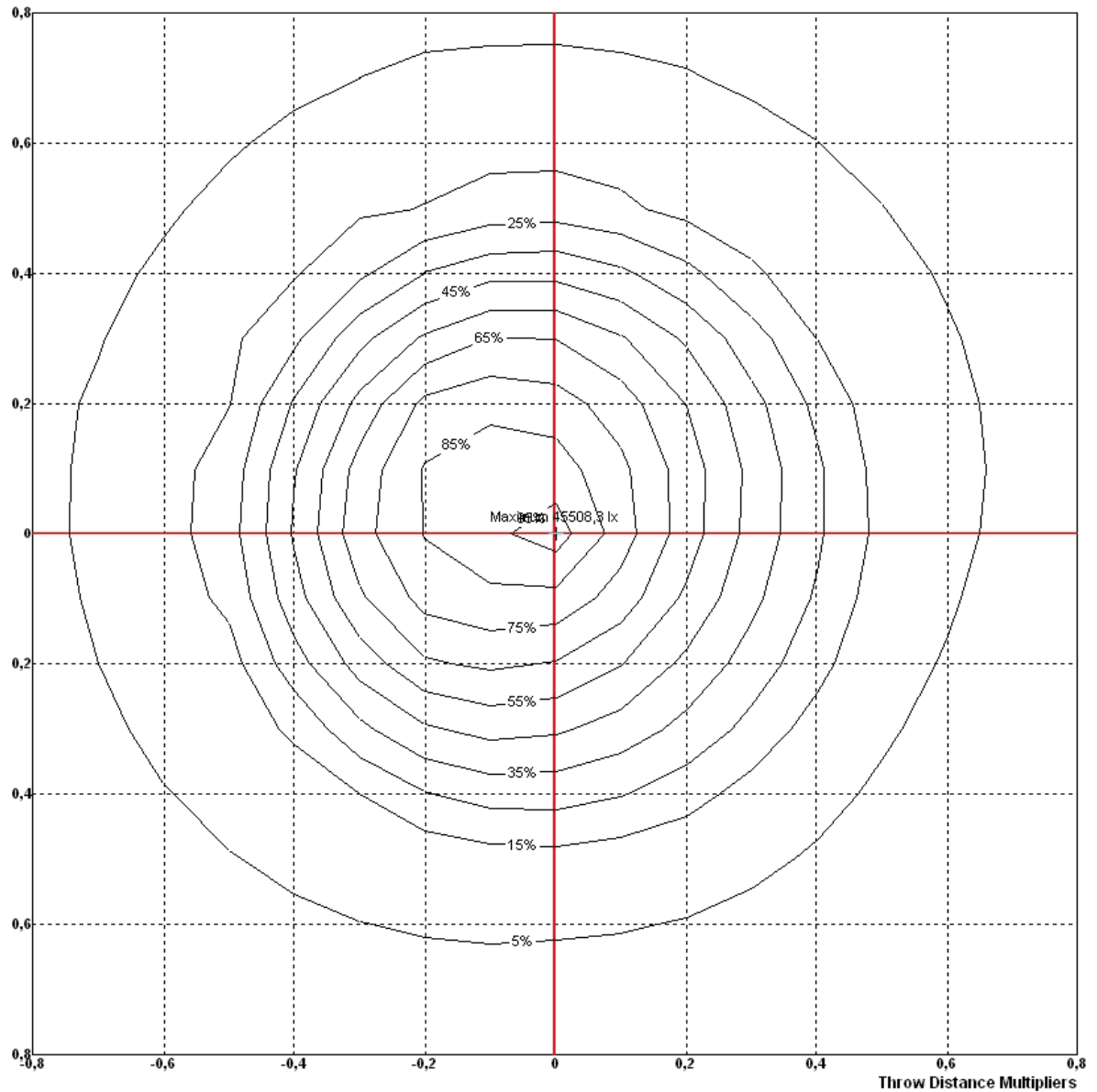
Red



100% = 34220,3 lux at 10m

(distance from origin) = ( throw distance ) x (throw distance multiplier)

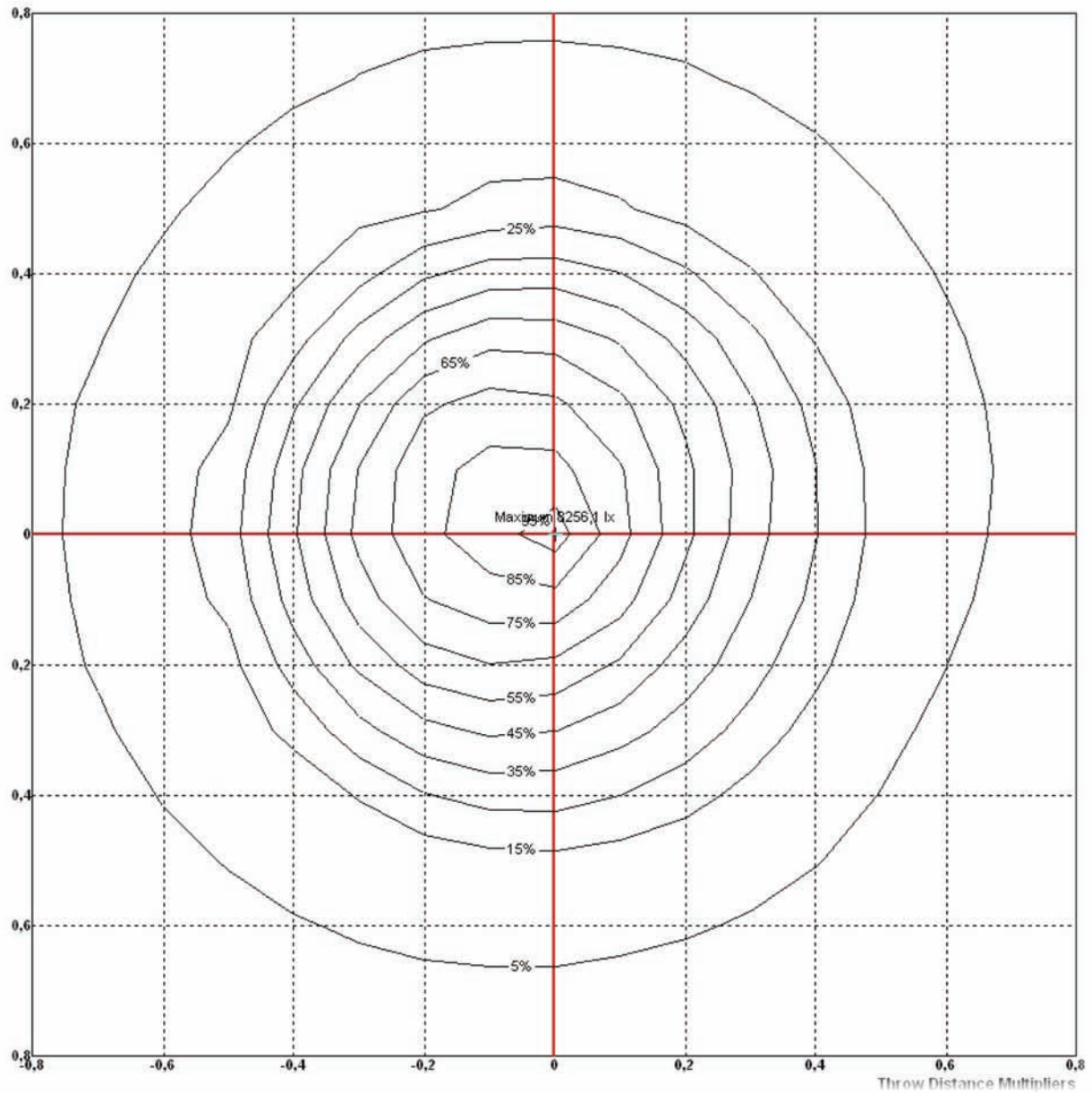
Green



100% = 45508,83 lux at 10m

(distance from origin) = ( throw distance ) x (throw distance multiplier)

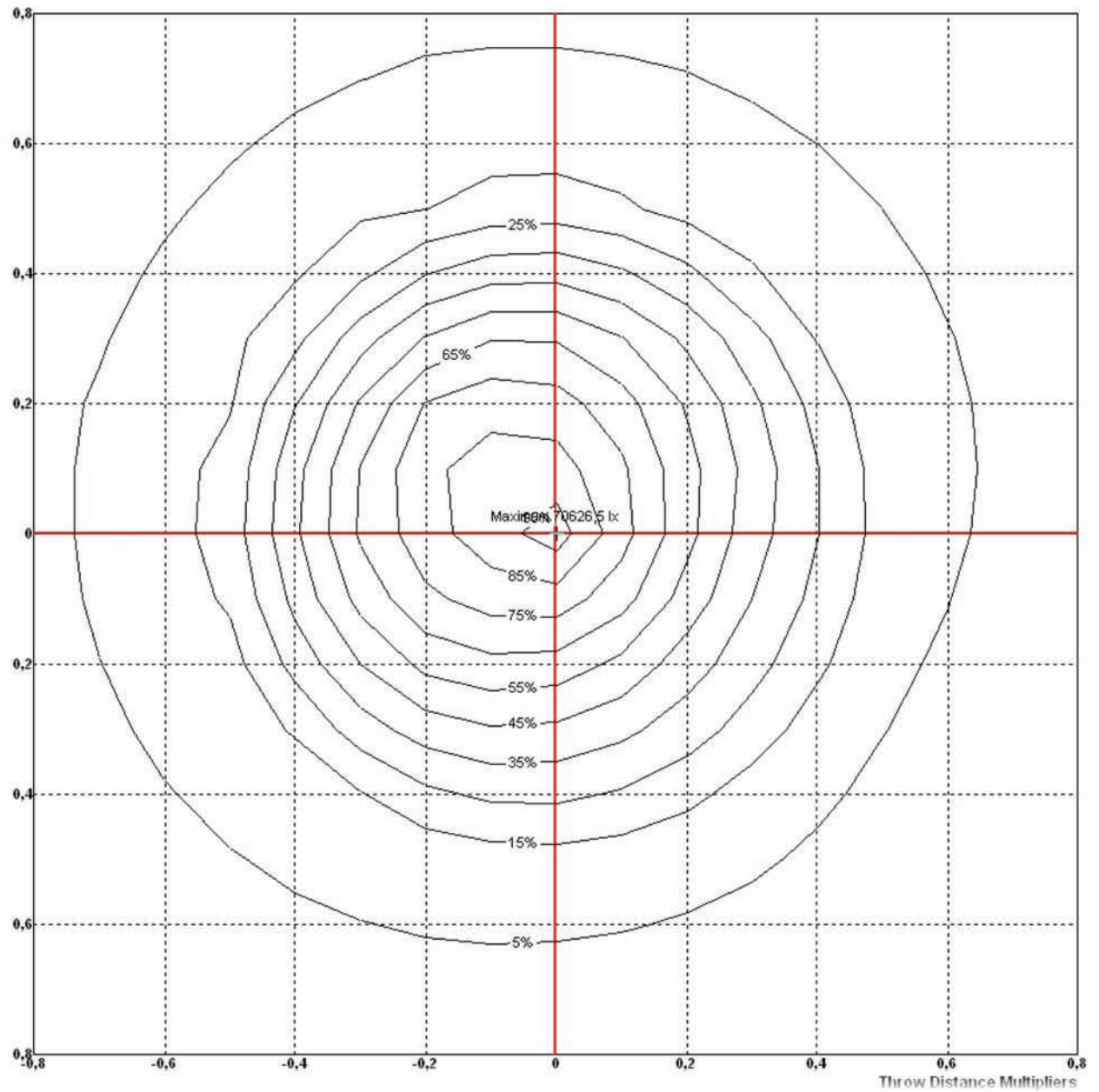
Blue



100% = 8256,1 lux at 10m

(distance from origin) = ( throw distance ) x (throw distance multiplier)

White



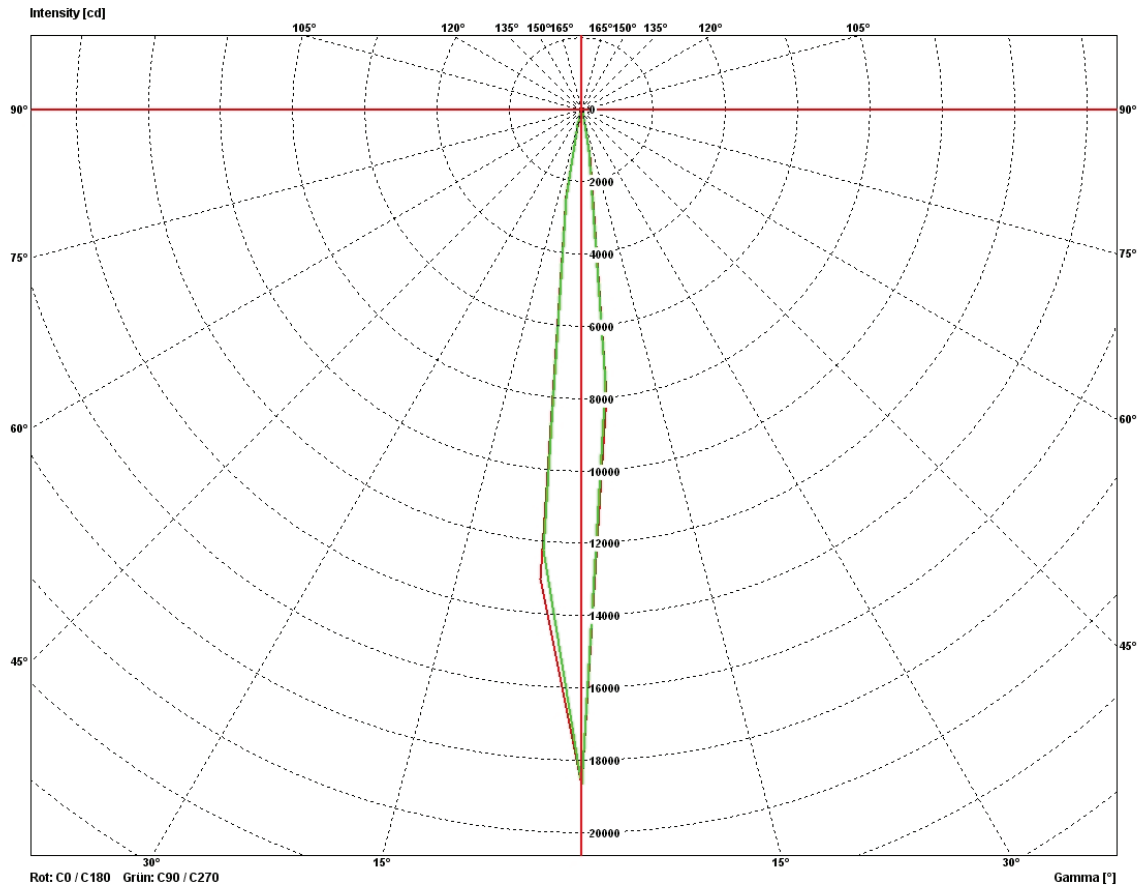
100% = 87985,23 lux at 10m

(distance from origin) = ( throw distance) x (throw distance multiplier)

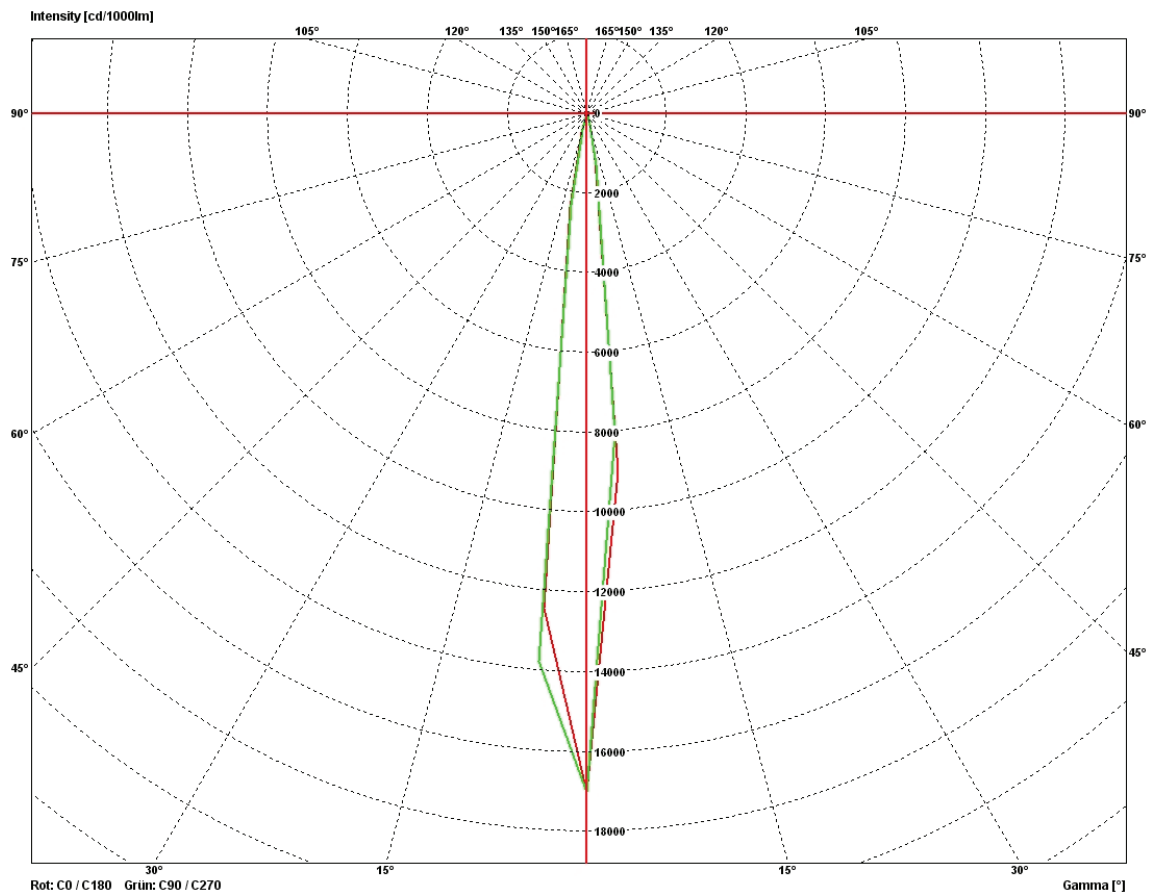


**Polarcurve diagrams:**

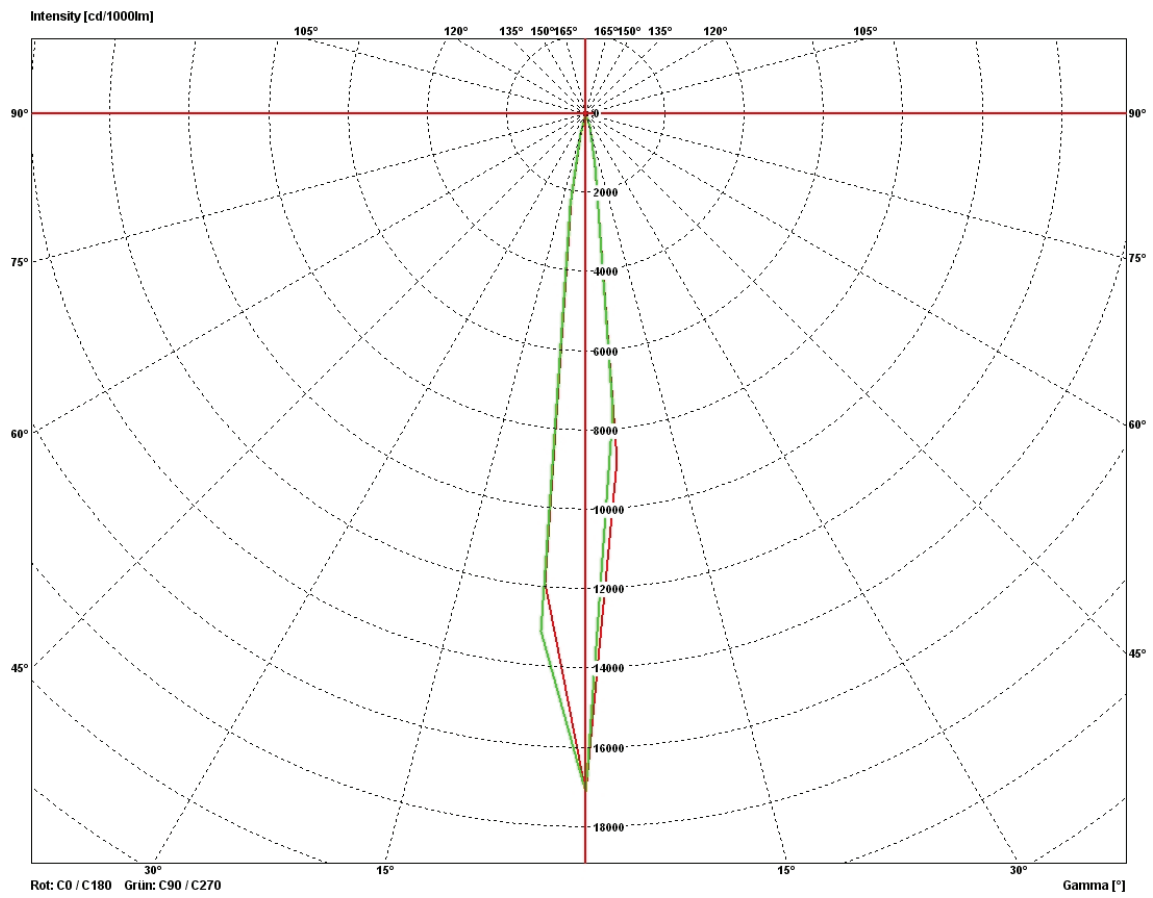
Red



Green



Blue



White

