

# Photometric Report 10° Lens Kit



## R-G-B



impression

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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)

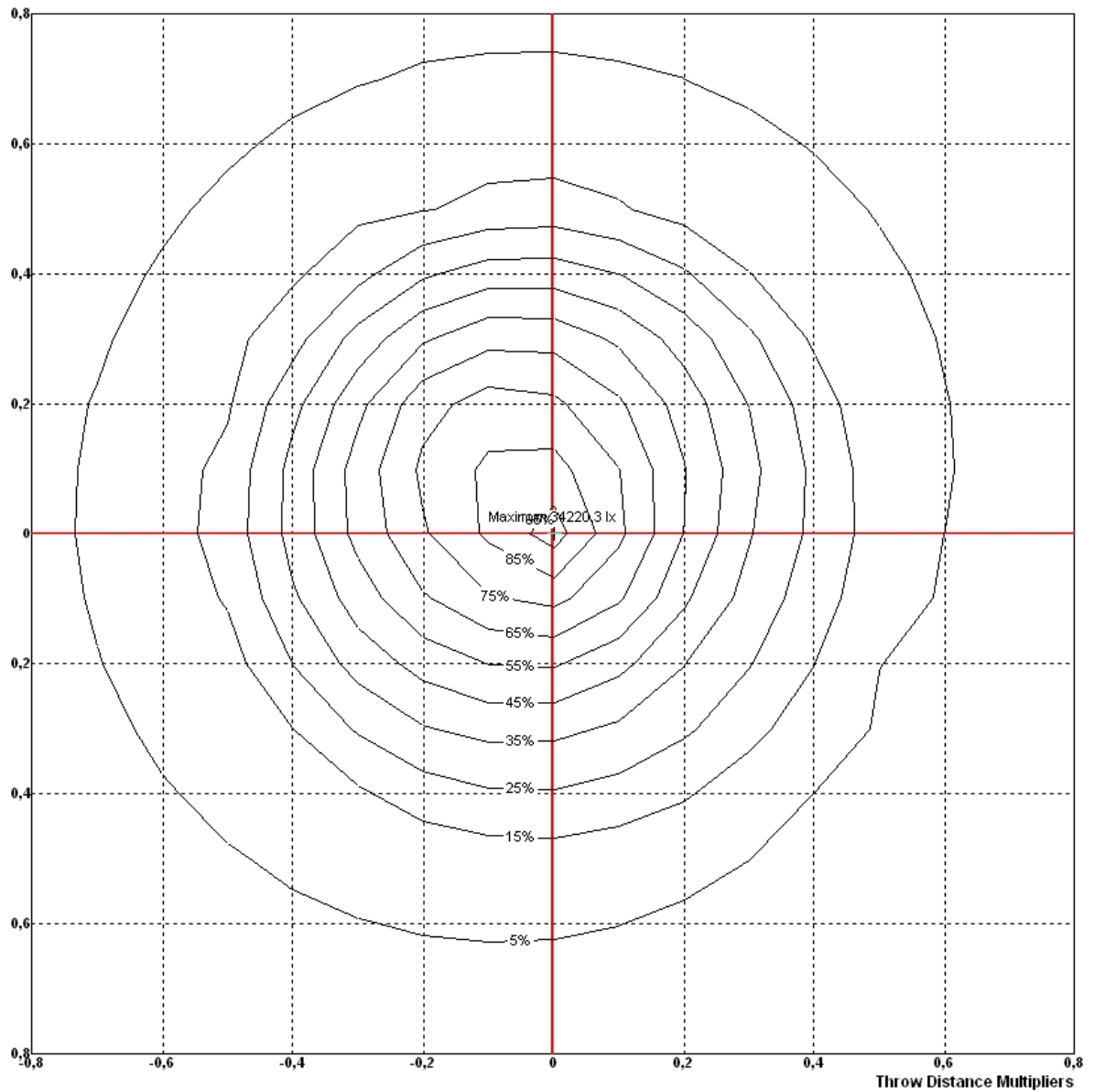
<b>Total:</b>	4998 lumens	<b>White:</b>	18580 lumens
<b>Red only:</b>	1836 lumens	<b>Red (cmy):</b>	1491 lumens
<b>Green only:</b>	2679 lumens	<b>Green (cmy):</b>	1393 lumens
<b>Blue only:</b>	483 lumens	<b>Blue (cmy):</b>	143 lumens

<b>Luminaire Type:</b>	Multiple-lamp Far-field luminaire
<b>Luminaire efficacy:</b>	15.72 lm/W
<b>Intended throw:</b>	>= 3m
<b>Luminous intensity:</b>	88000 cd
<b>Ambient Temperature Limits:</b>	0°C – 45°C
<b>Dimension (L x W x H):</b>	340 x 145 x 370 mm
<b>Weight:</b>	7.5 Kg
<b>Approvals:</b>	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

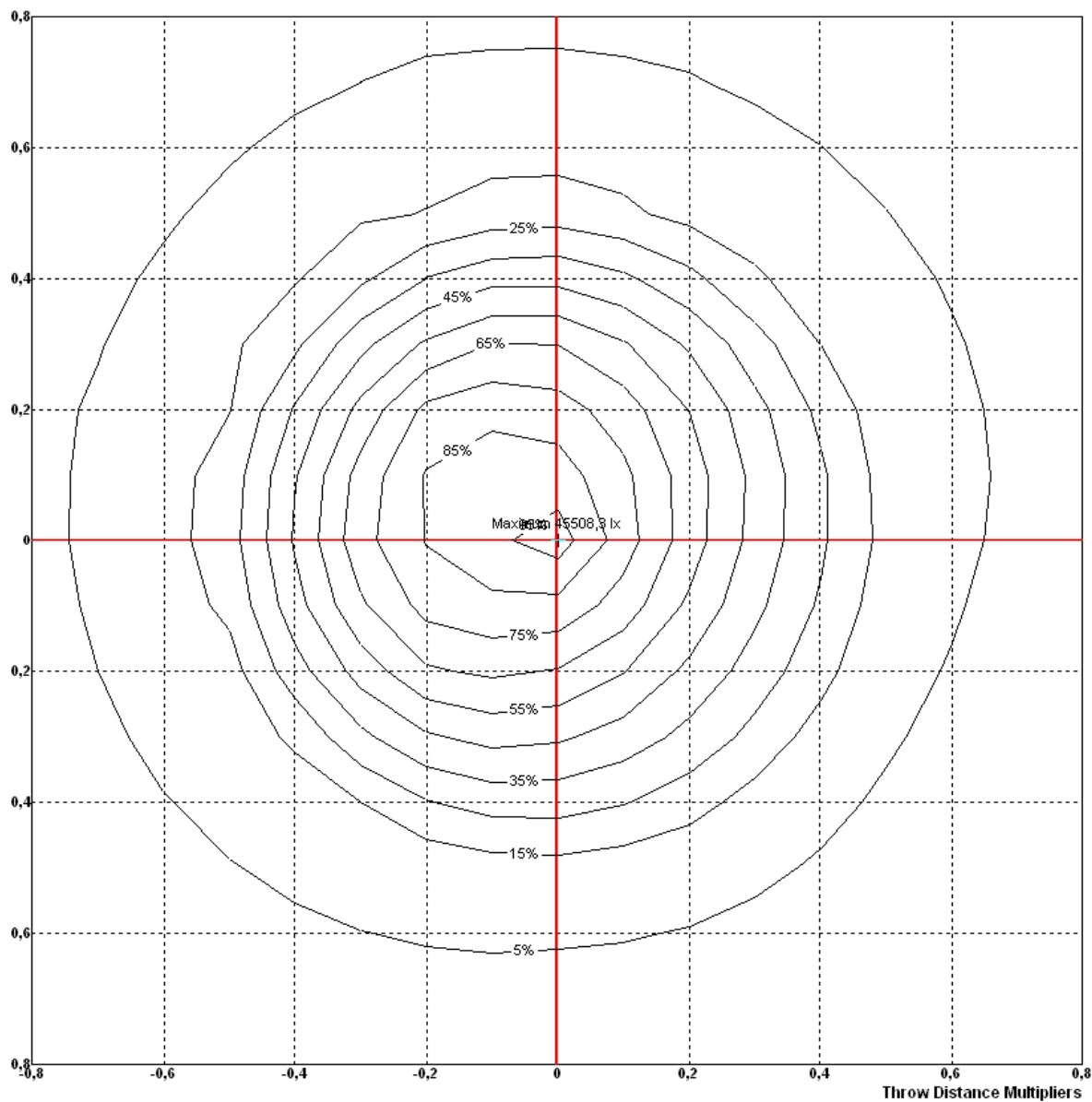
Red



100% = 34220,3 lux at 10m

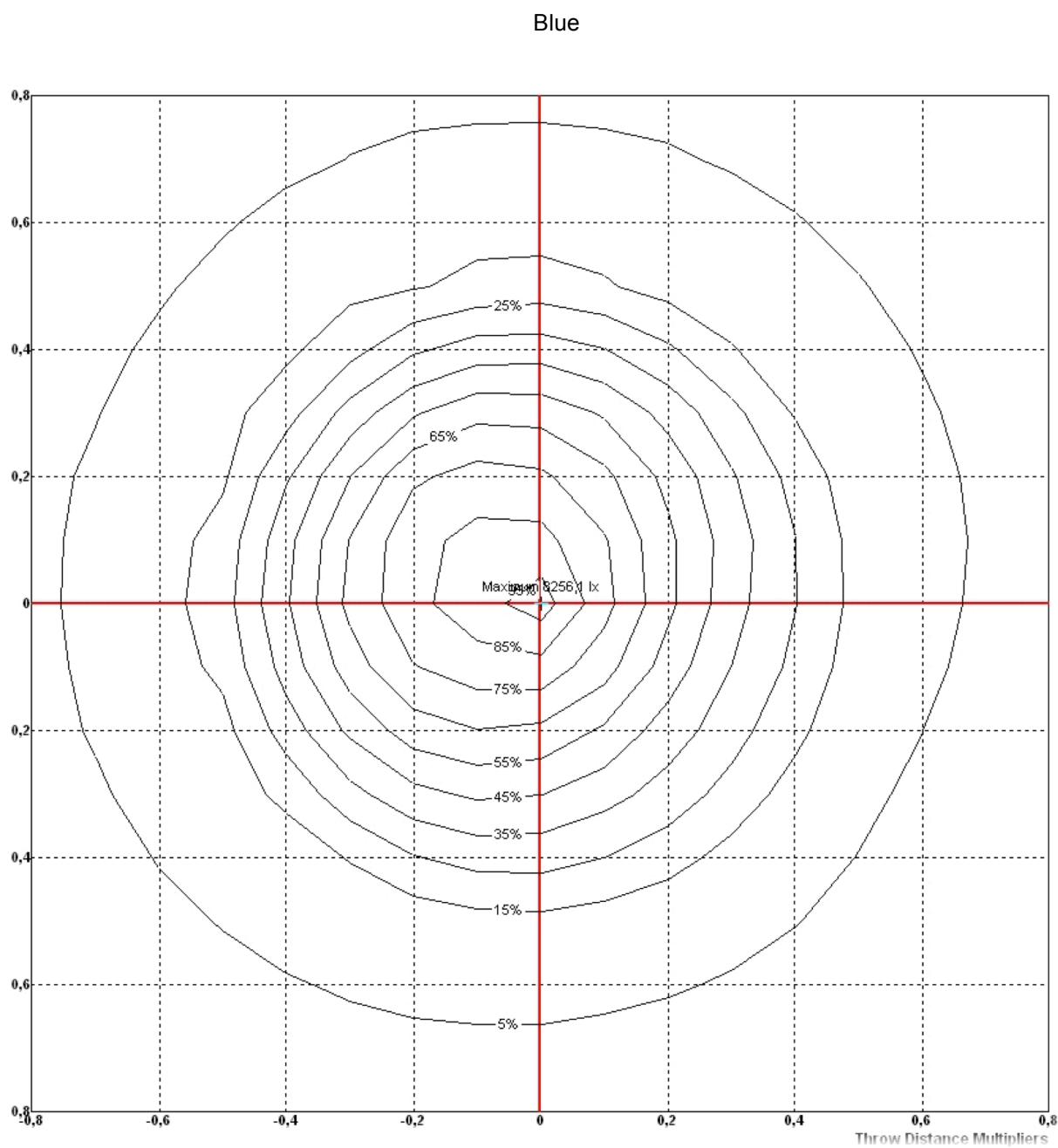
(distance from origin) = (throw distance) x (throw distance multiplier)

Green



100% = 45508,83 lux at 10m

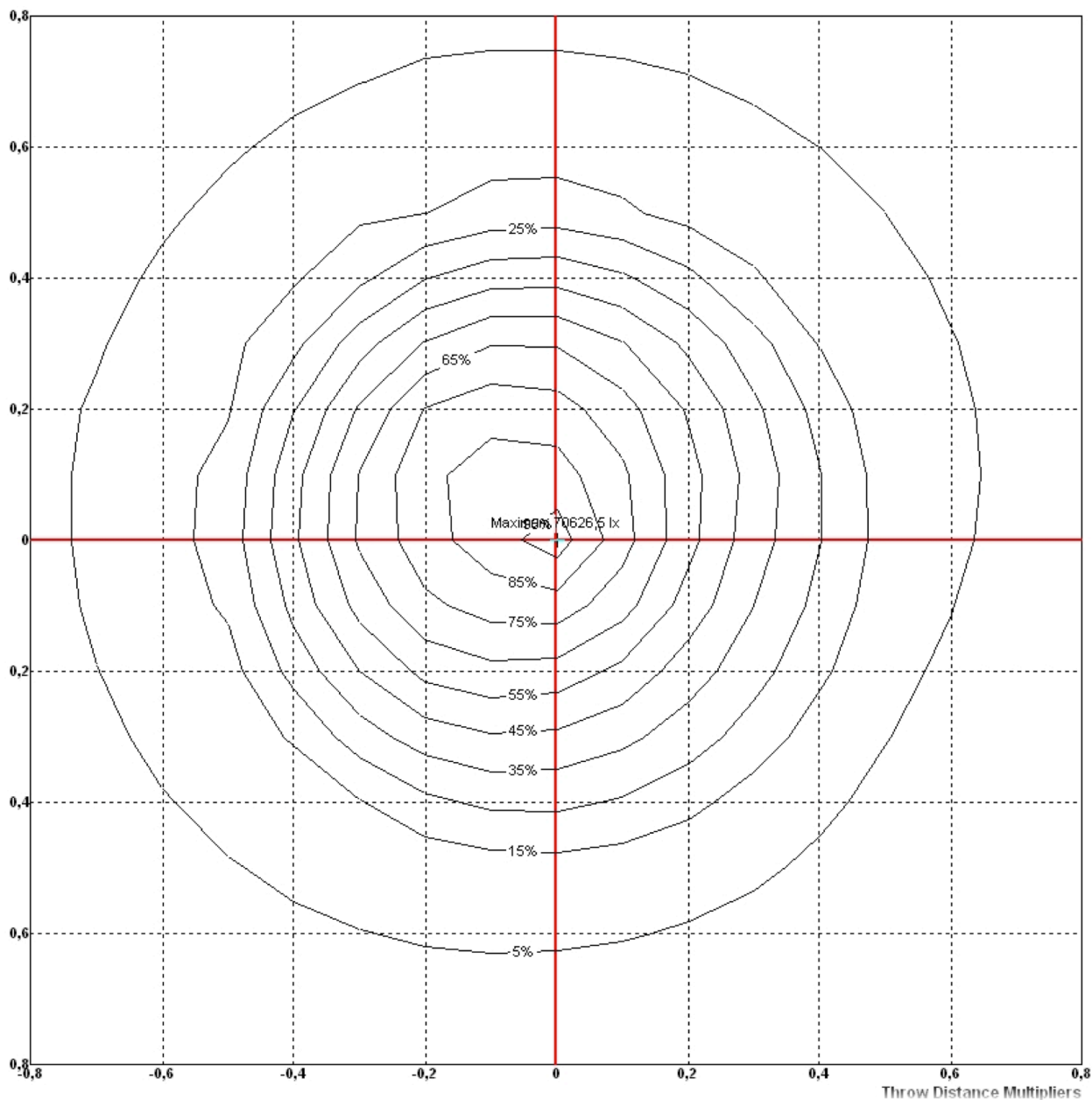
(distance from origin) = (throw distance) x (throw distance multiplier)



100% = 8256,1 lux at 10m

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

White

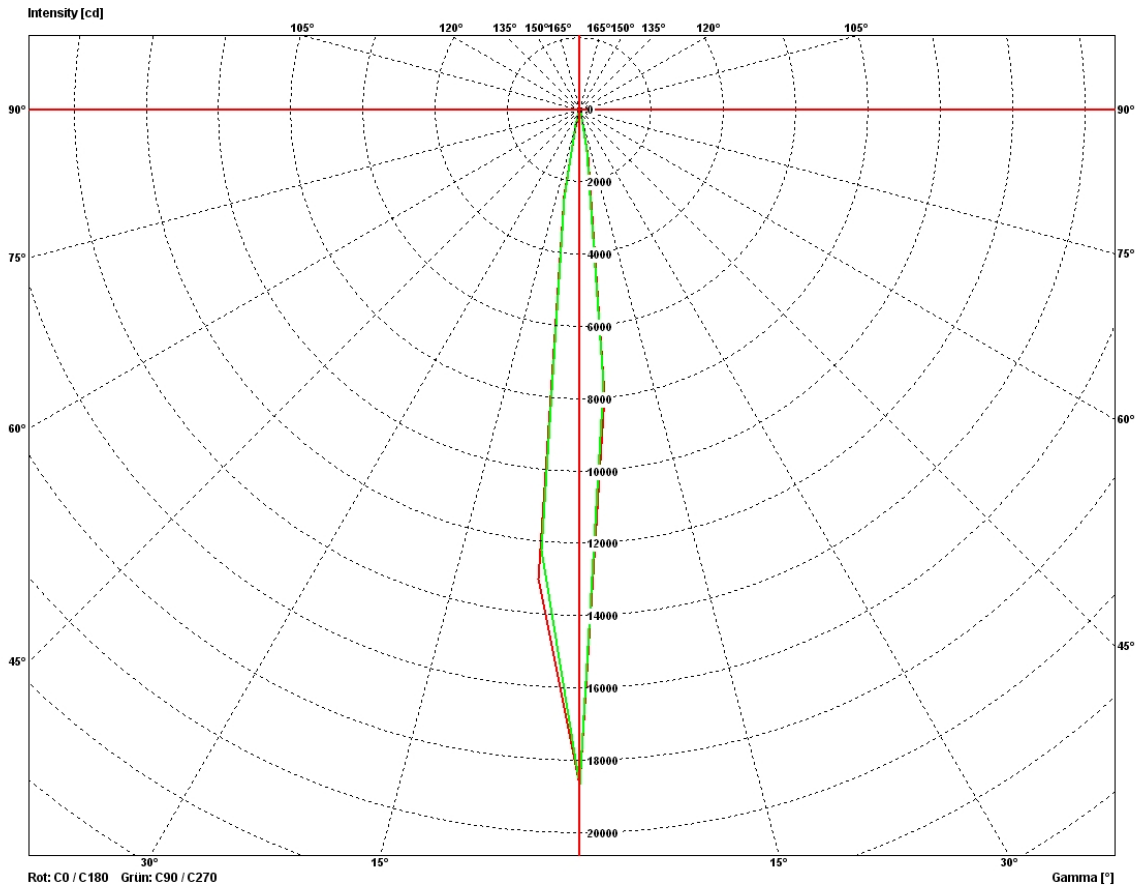


100% = 87985,23 lux at 10m

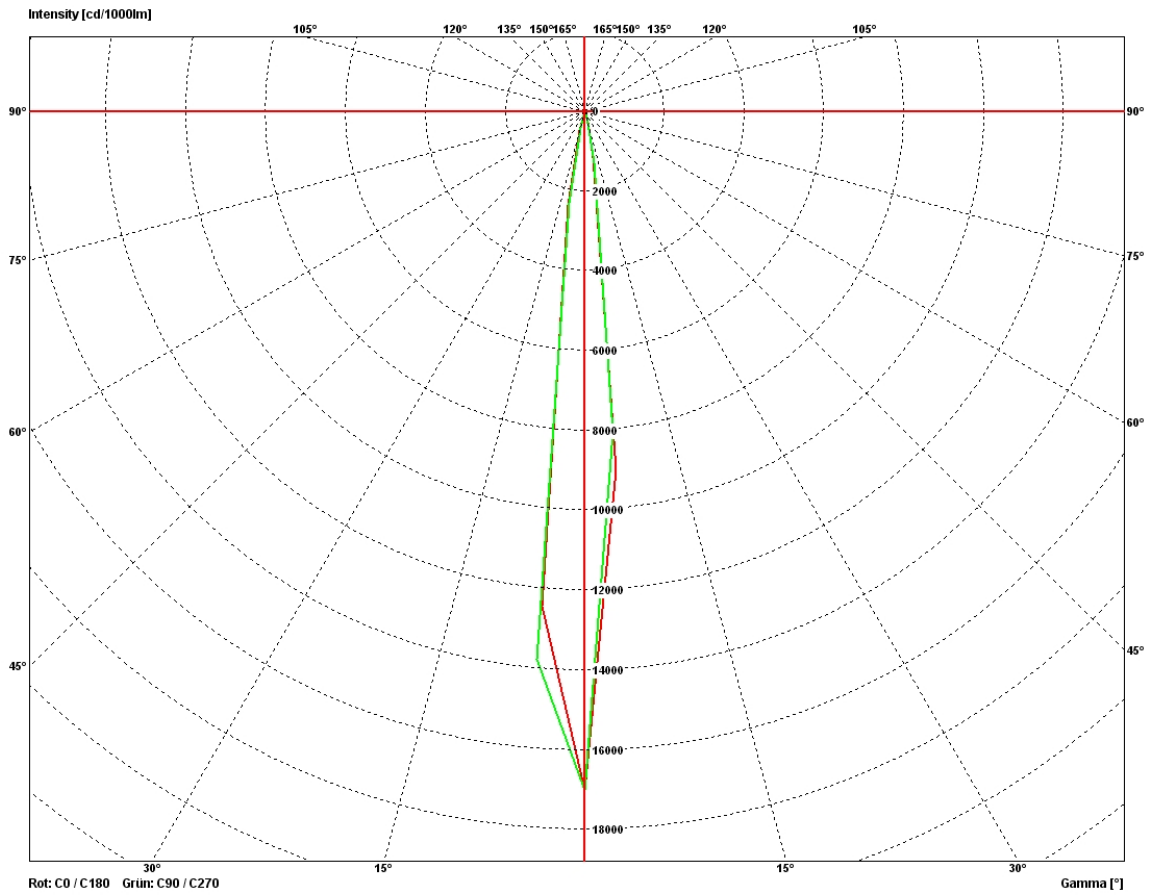
(distance from origin) = (throw distance) x (throw distance multiplier)

Polarcurve diagrams:

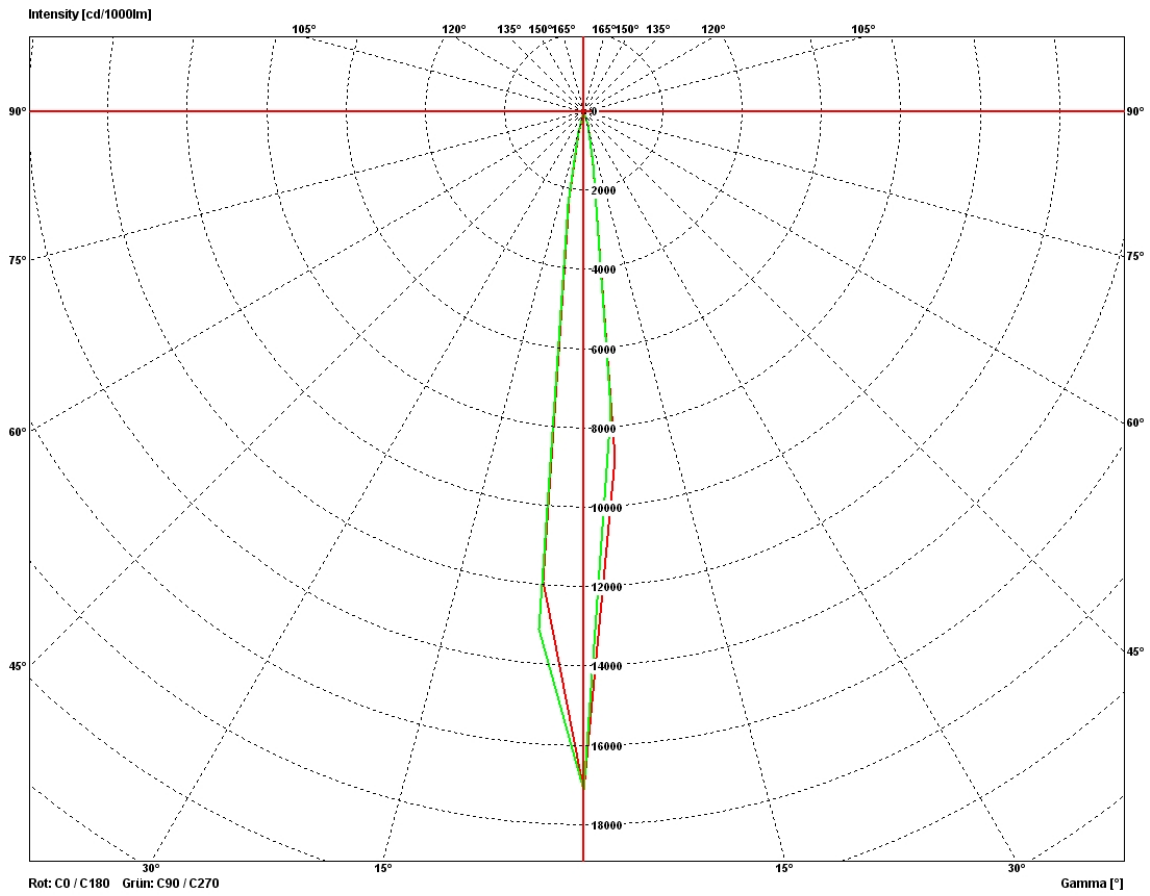
Red



Green



Blue



White

