

Photometric Report 25° Lens Kit



R-G-B



impression

—GLP—
**GERMAN LIGHT
PRODUCTS**



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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: Medium spread (25° FWHM)
Frost Filter Option: no

Photometric Procedure:

Date: 10.12.2008
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:

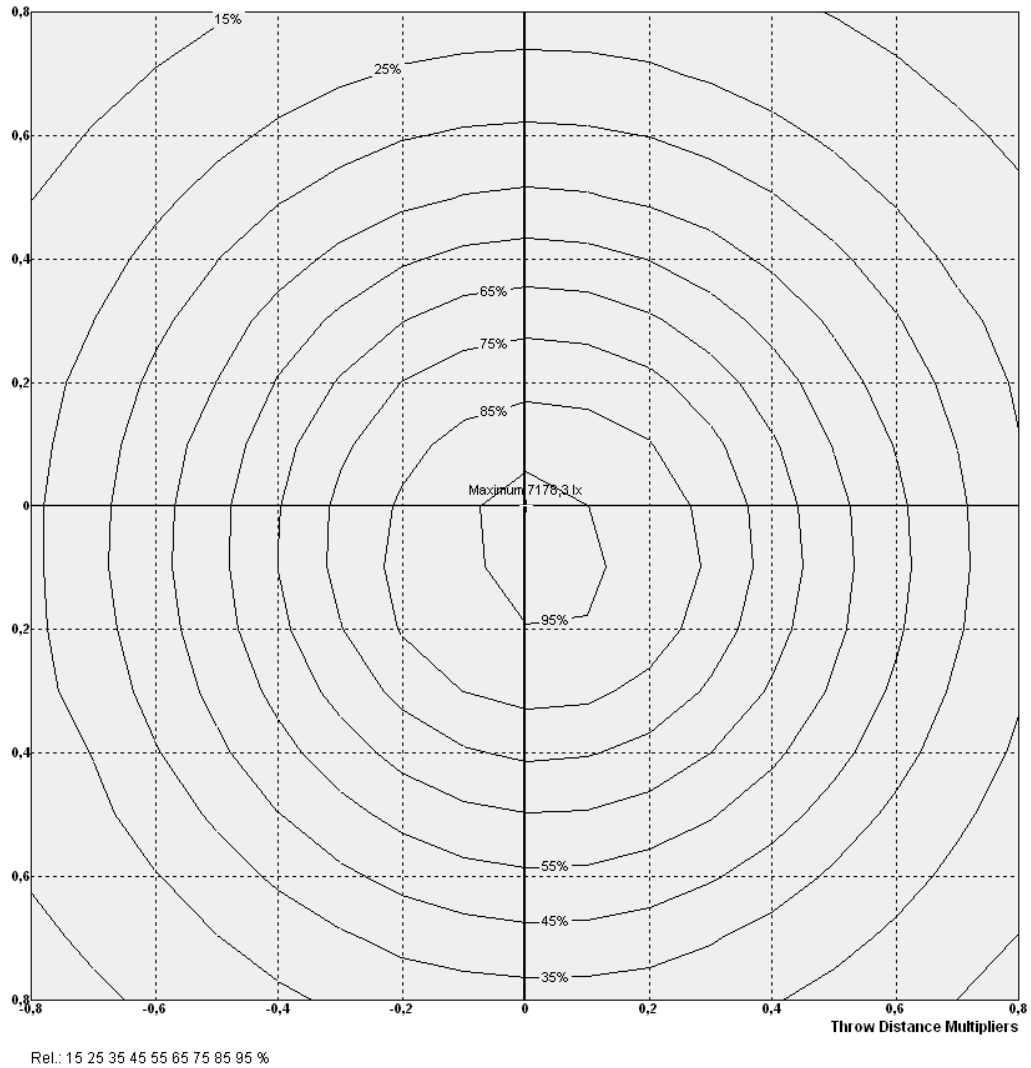
Total: 3713 lumens
Red only: 1350 lumens
Green only: 2012 lumens
Blue only: 351 lumens

Luminaire Type:	Multiple-lamp Far-field luminaire
Luminaire efficacy:	10.99 lm/W
Intended throw:	>= 3m
Luminous intensity:	19544 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

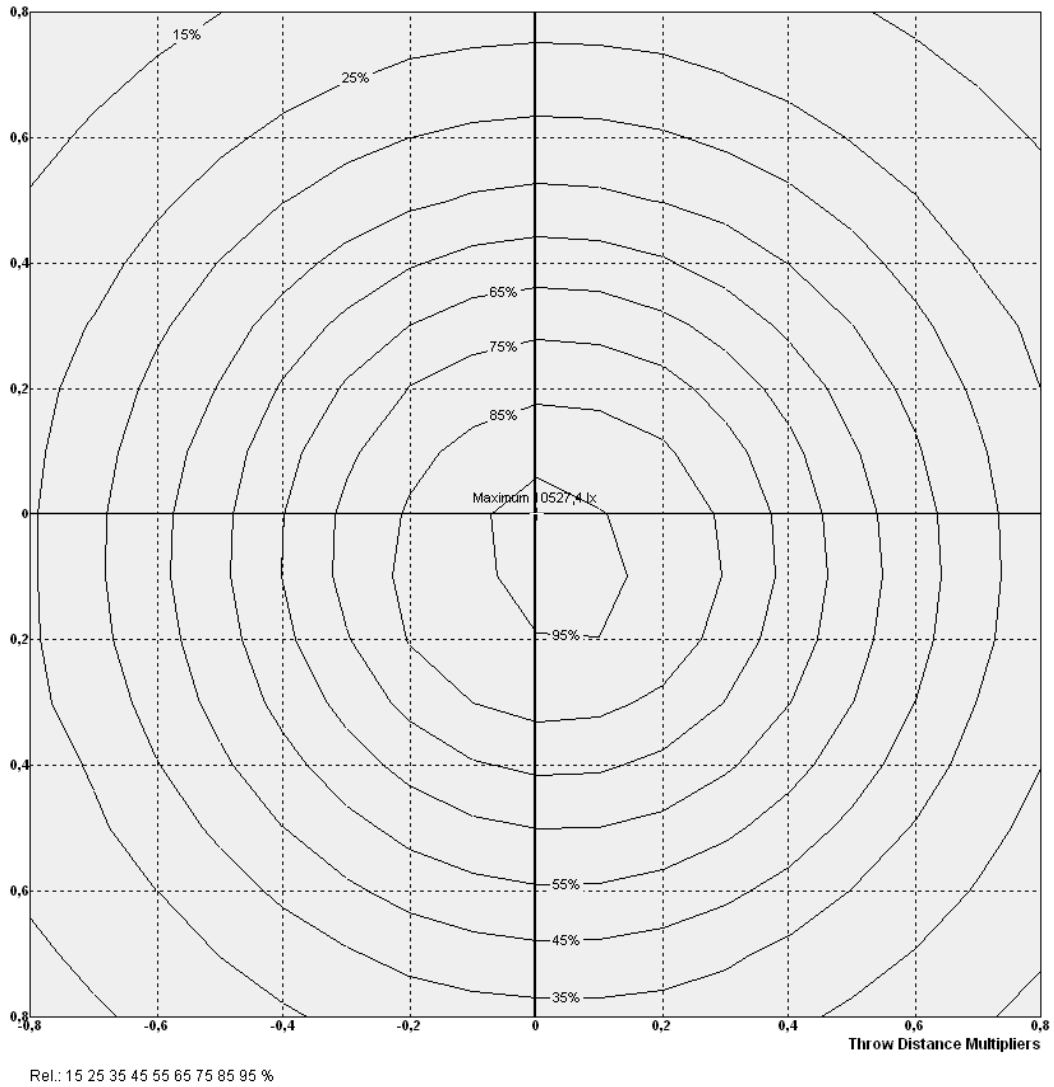
Red



100% = 7178,3 lux at 10m

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

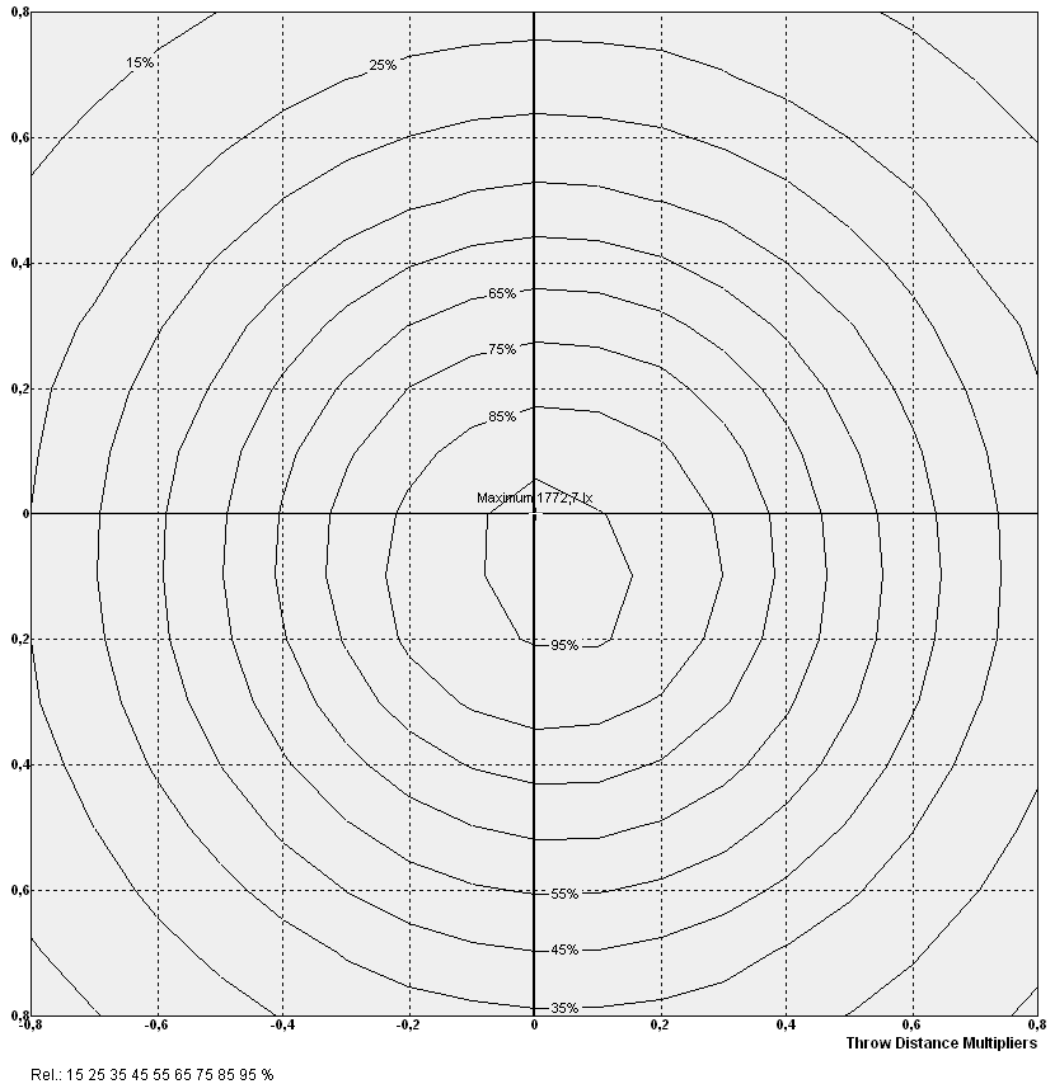
Green



100% = 10527,4 lux at 10m

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

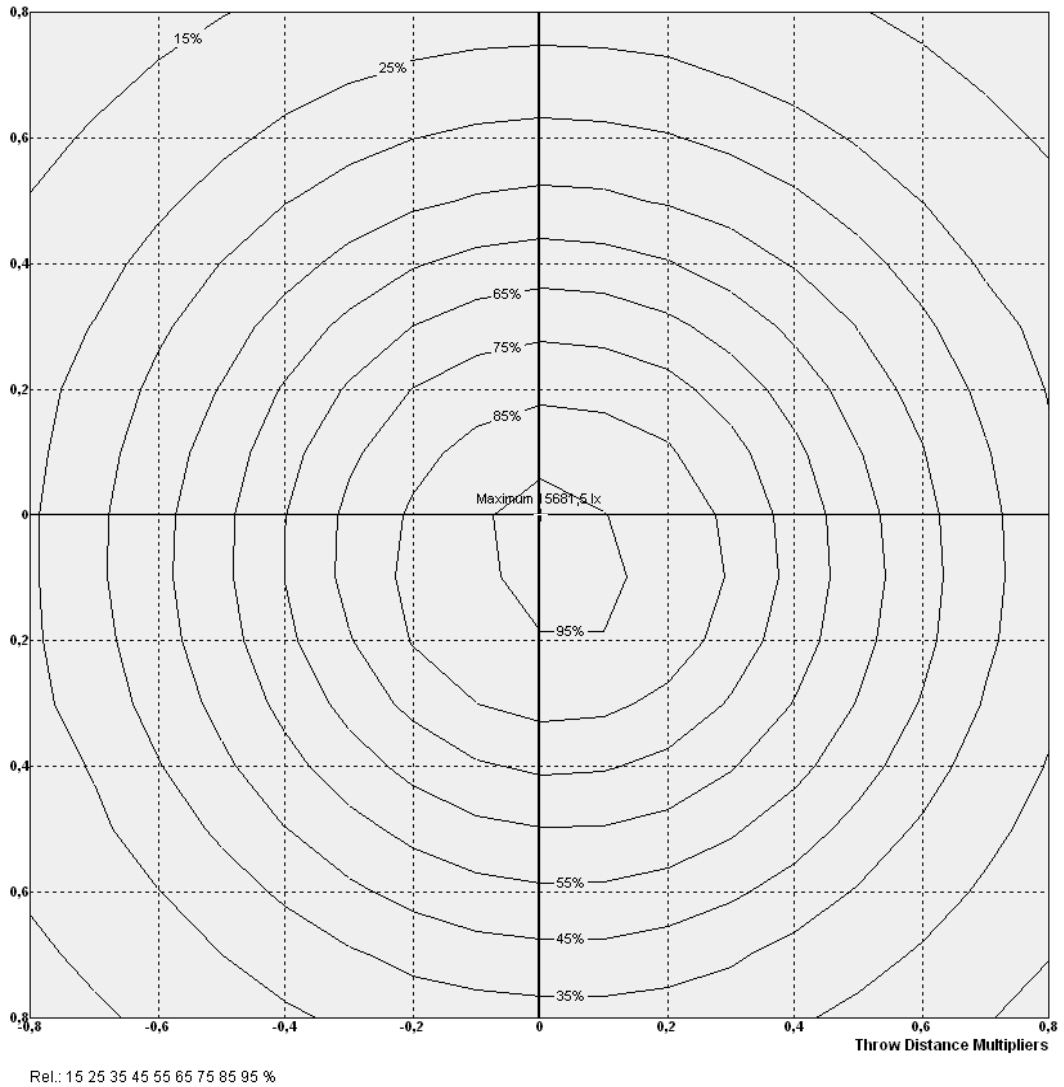
Blue



100% = 1772,7 lux at 10m

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

White

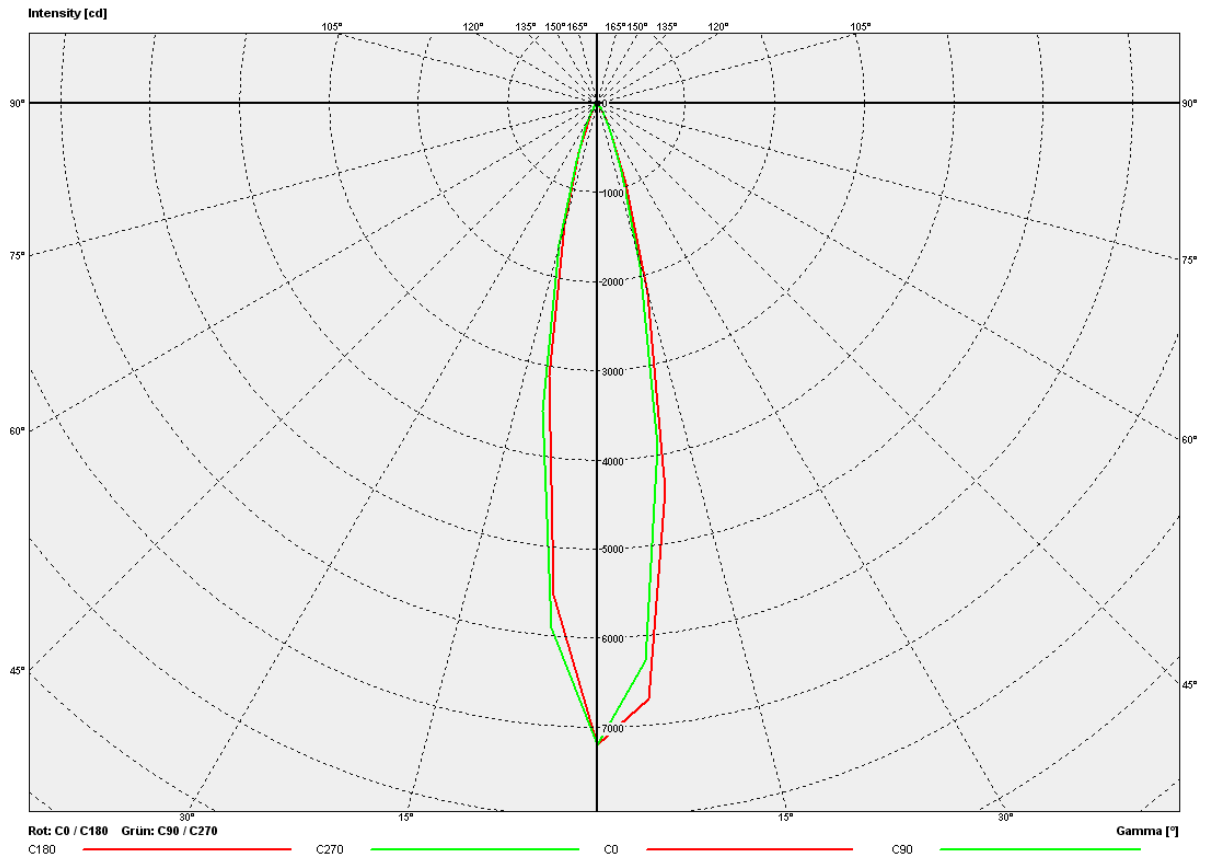


100% = 19478,4 lux at 10m

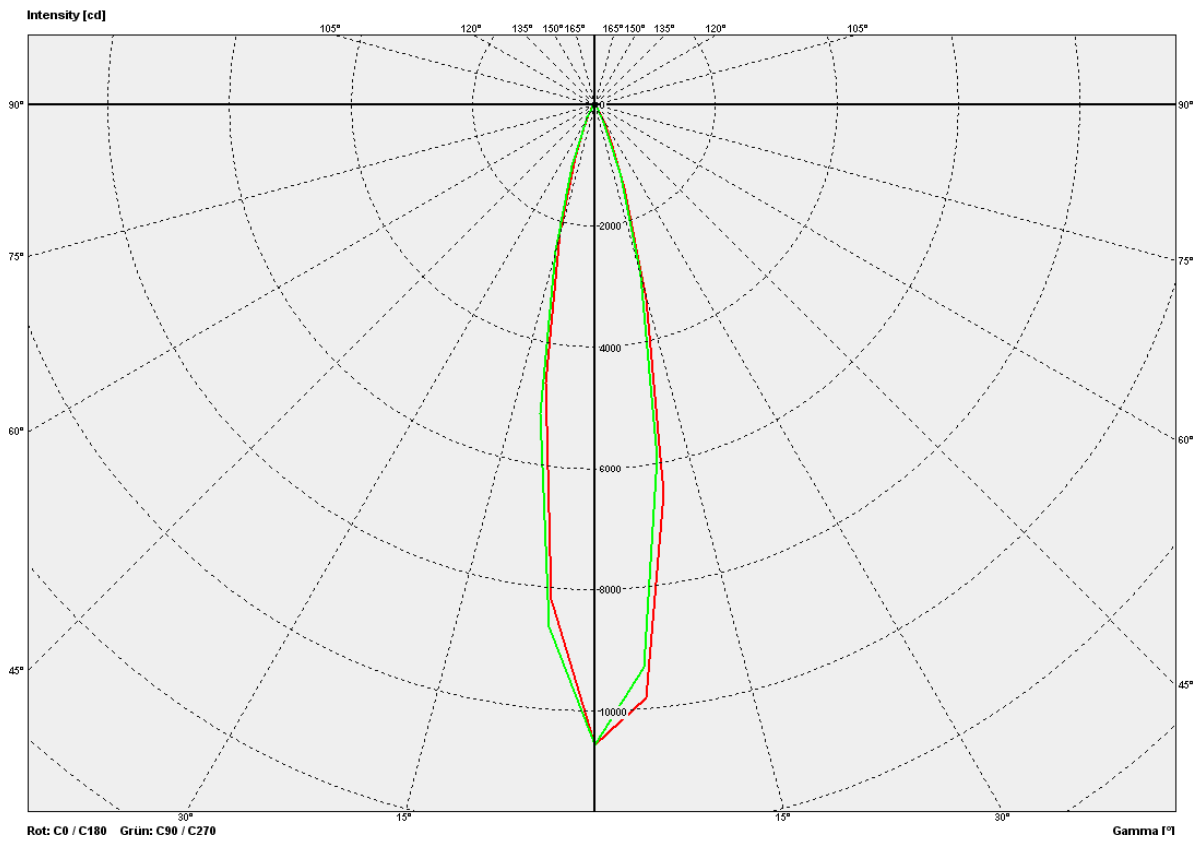
(distance from origin) = (throw distance) x (throw distance multiplier)

Polarcurve diagrams:

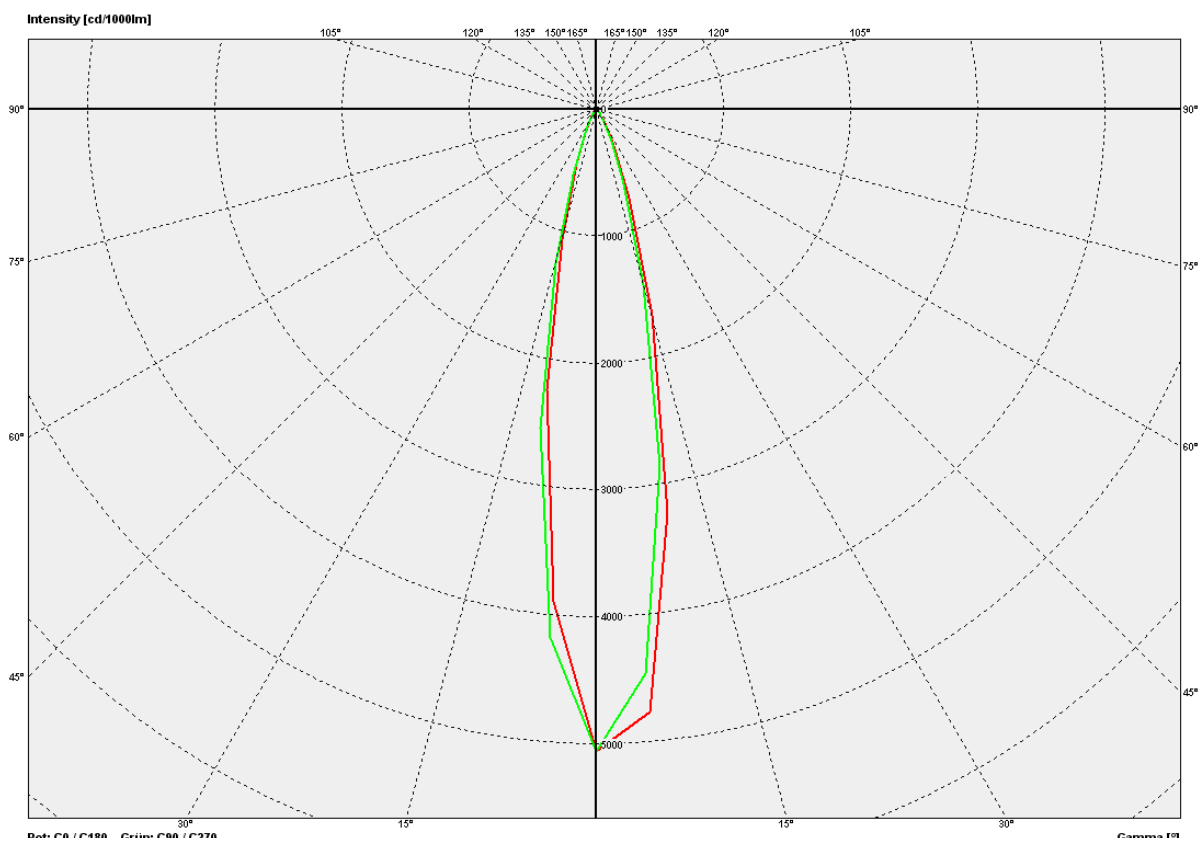
Red



Green



Blue



White

