

Photometric Report



R-G-B



impression

—GLP—

**GERMAN LIGHT
PRODUCTS**

e-mail: service@glp.de
Internet: <http://www.glp.de>

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:

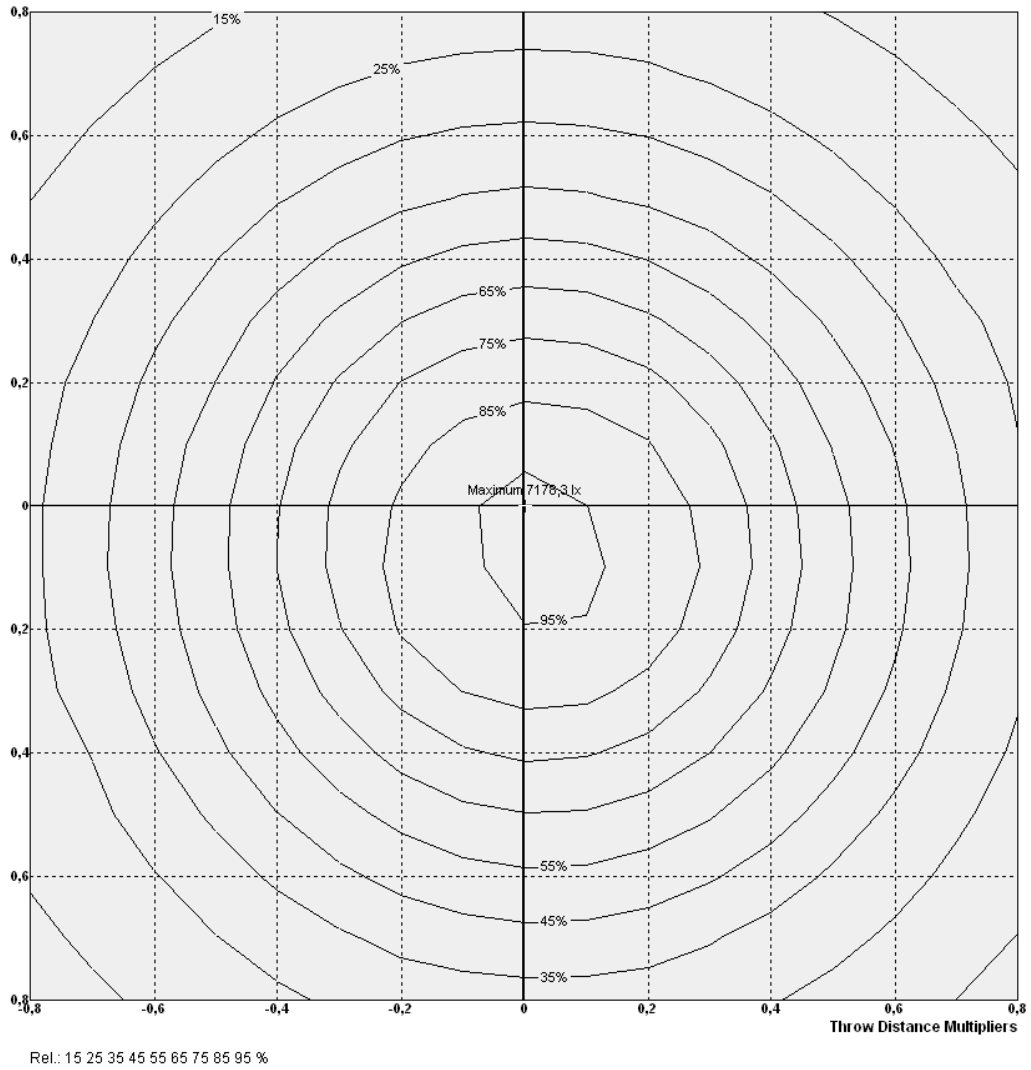
Total: 3713 lumens
Red only: 1350 lumens
Green only: 2012 lumens
Blue only: 351 lumens

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

Disclaimer: The information in this document is provided in connection with the described product only. In no event shall GLP be liable for any direct, indirect, consequential, punitive, special or incidental damages (including, without limitation, damages for loss of profits, business interruption, or loss of information) arising out of the use or inability to use this document or its content, even if GLP has been advised of the possibility of such damages. GLP makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. GLP does not make any commitment to update the information contained herein.

Illuminance distribution diagram

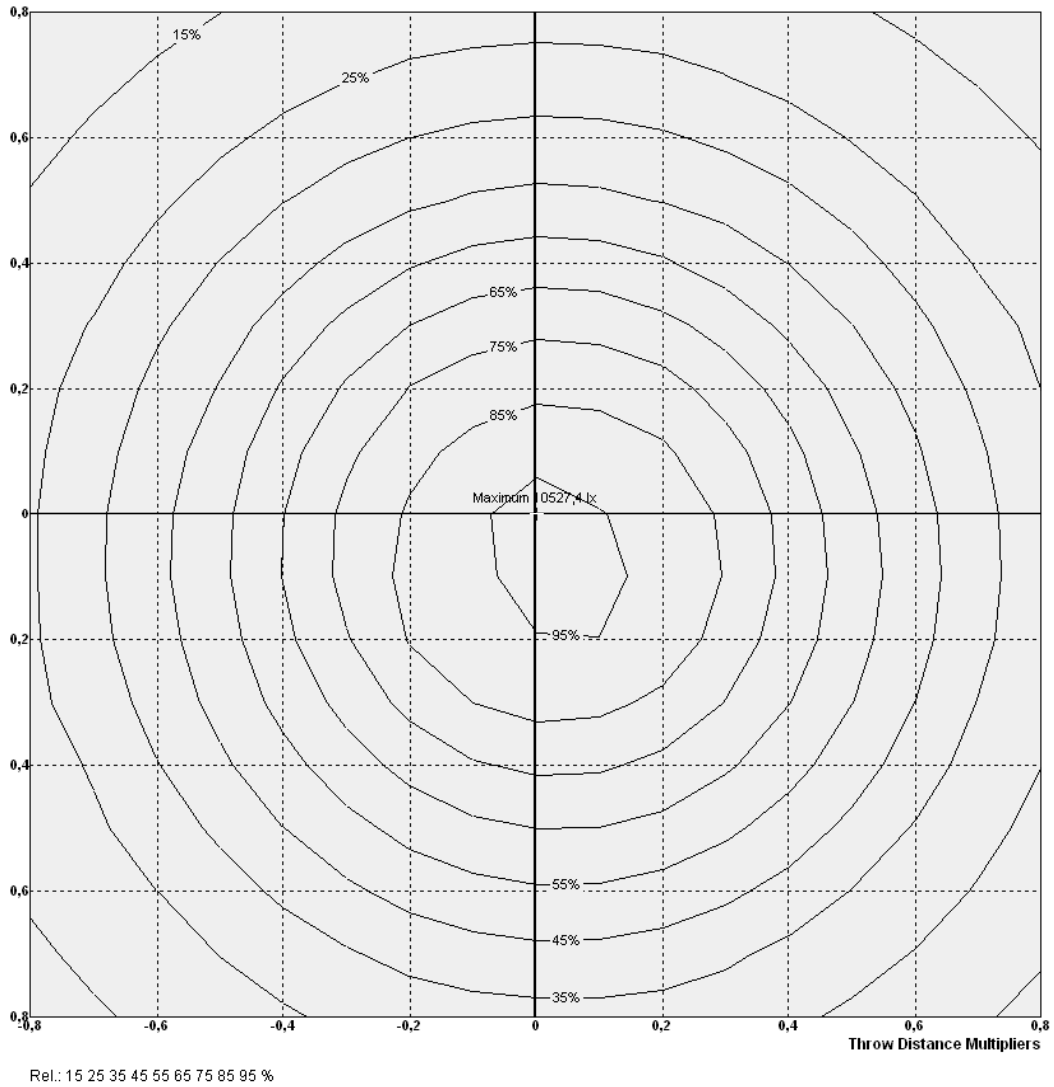
Red



100% = 7178,3 lux at 10m

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

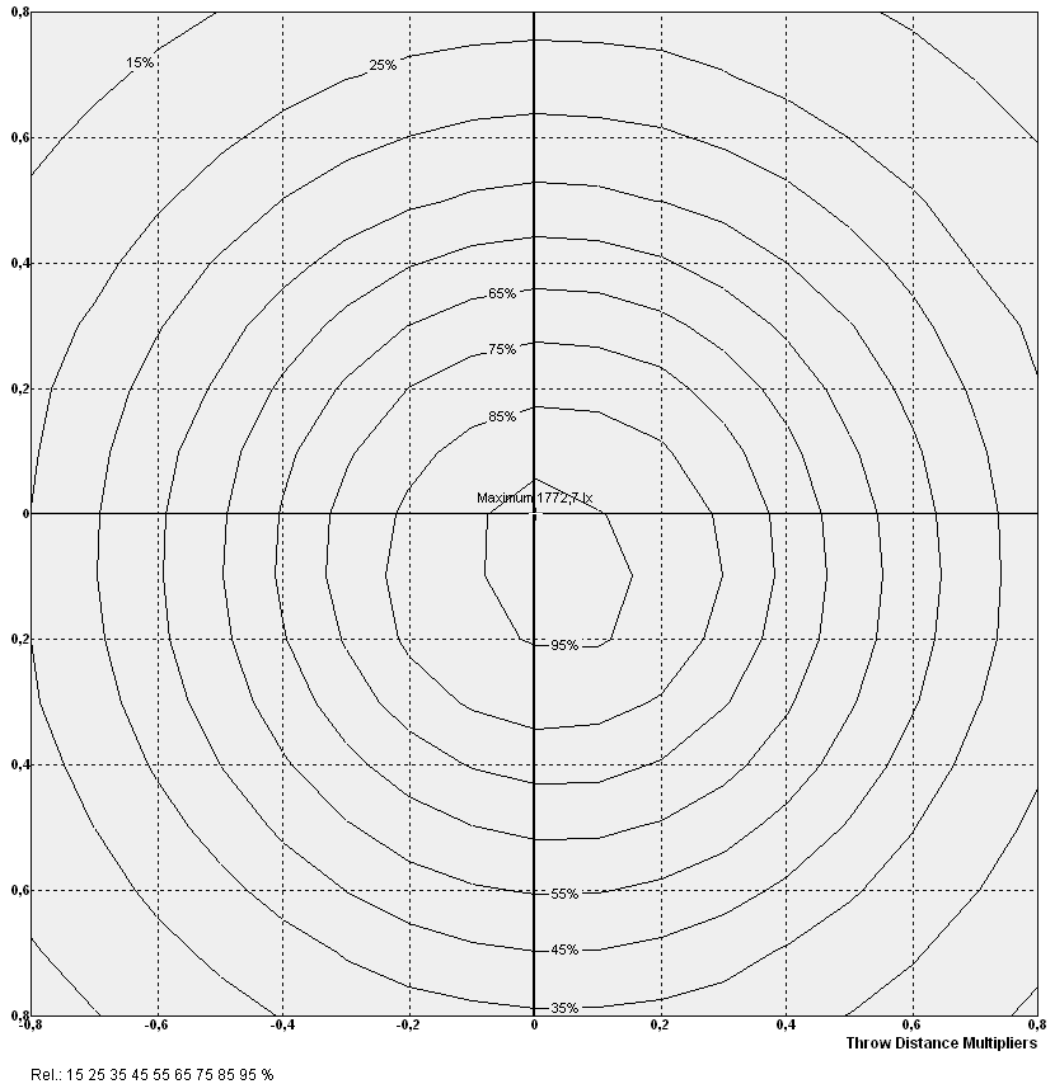
Green



100% = 10527,4 lux at 10m

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

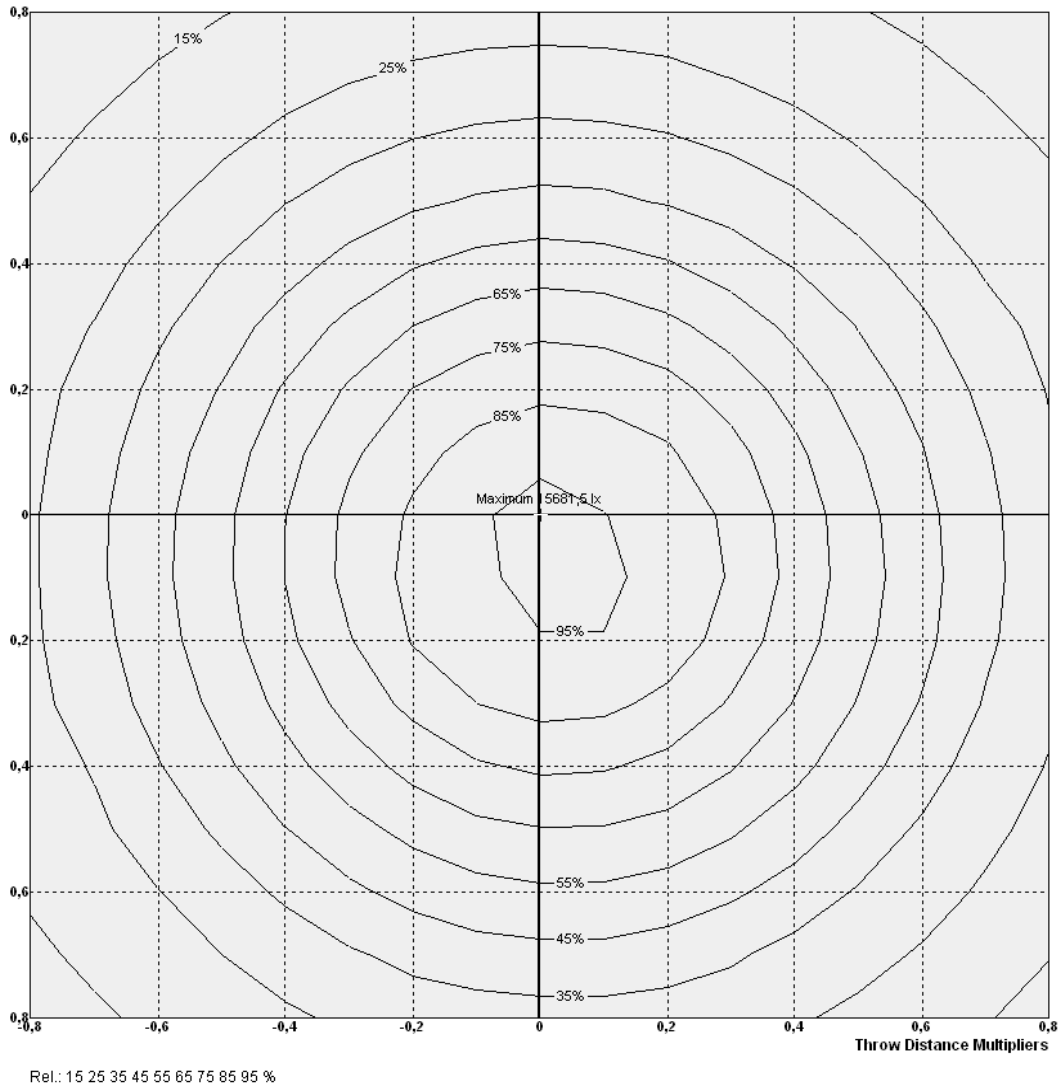
Blue



100% = 1772,7 lux at 10m

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

White

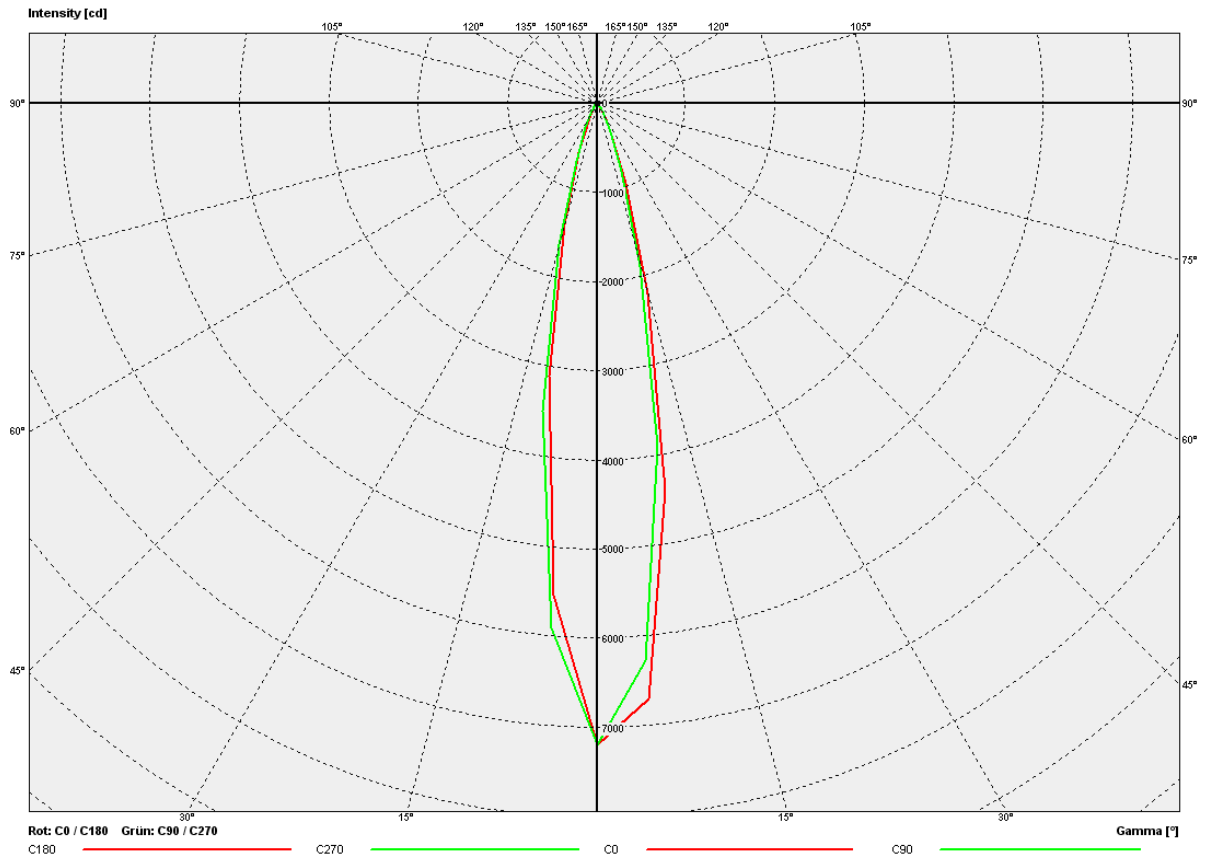


100% = 19478,4 lux at 10m

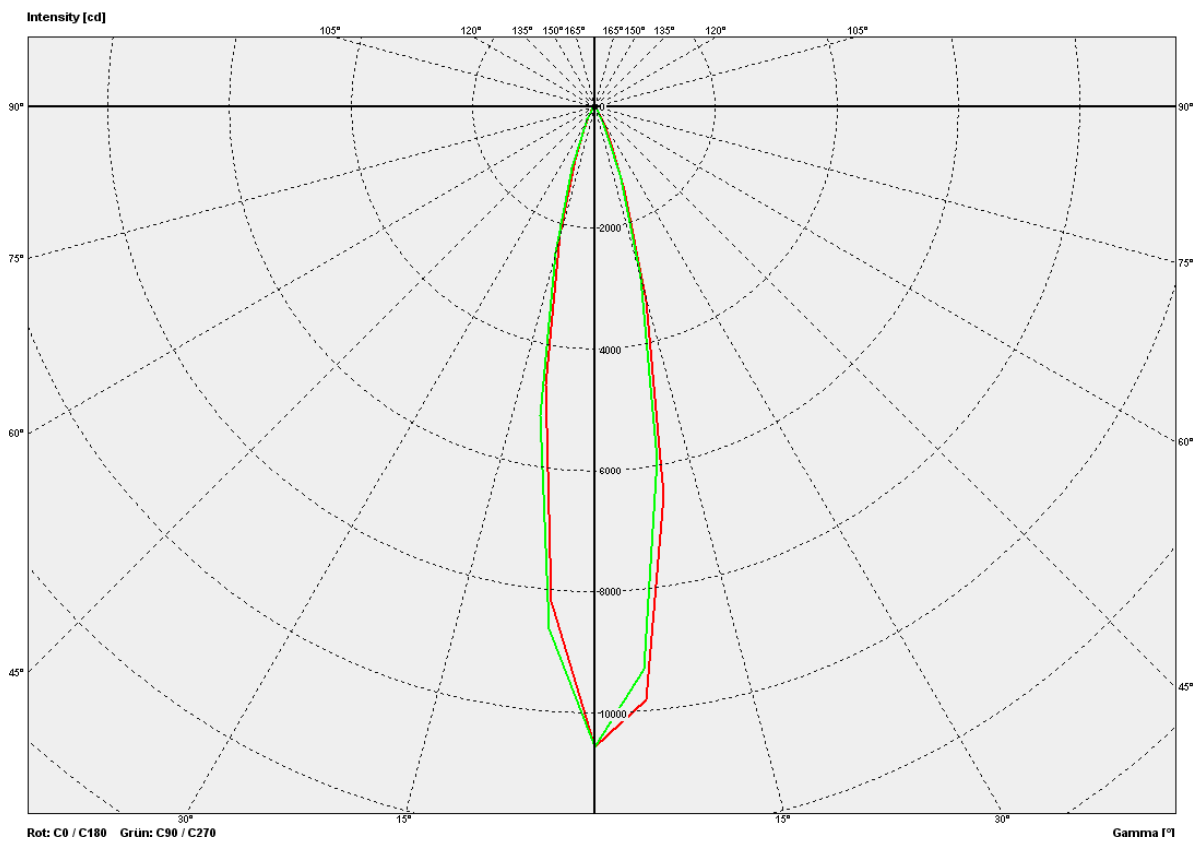
(distance from origin) = (throw distance) x (throw distance multiplier)

Polarcurve diagrams:

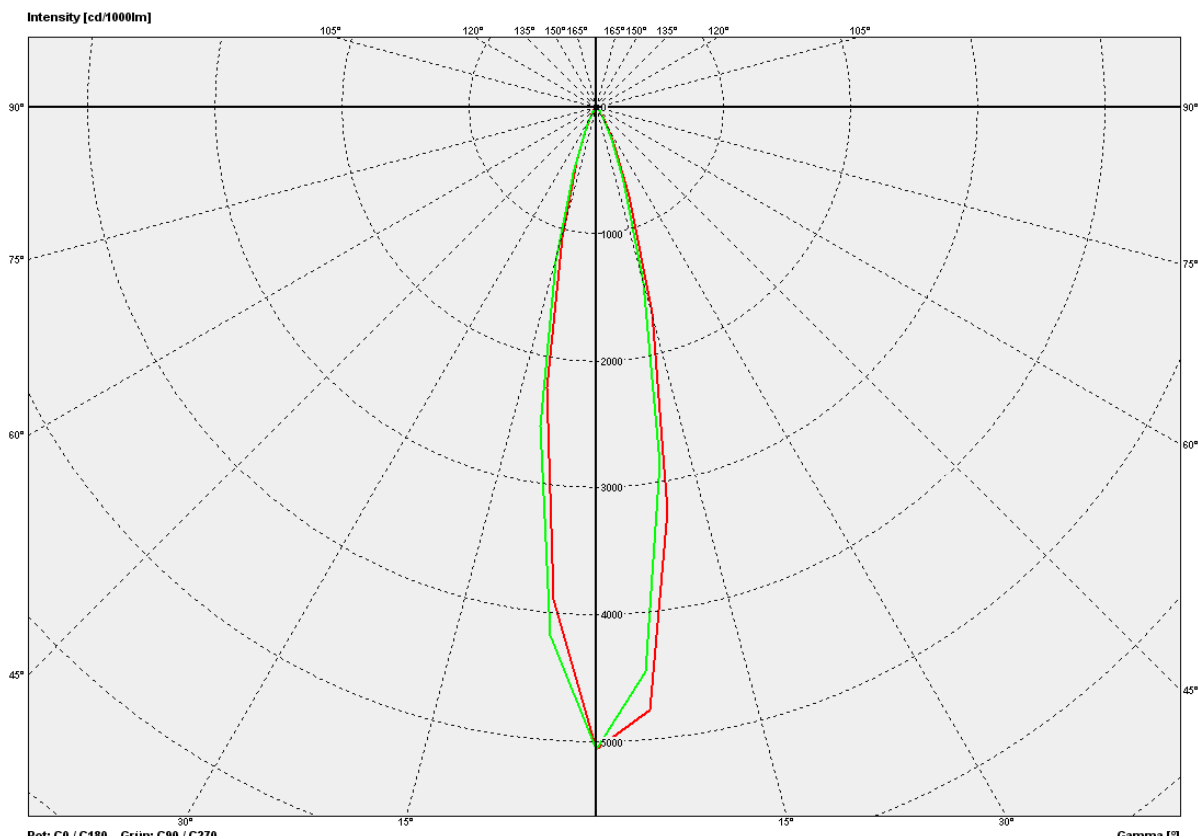
Red



Green



Blue



White

