

# Photometric Report

impression<sup>®</sup>  
rgb l20 ~~rz~~



— since 1994 —

e-mail: [service@glp.de](mailto:service@glp.de)  
Internet: <http://www.glp.de>

# Impression 120 RZ RGB – Photometric Report

GLP R&D Center Germany, 15.07.2010

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

**Product:** Impression 120 RZ RGB

## Light Source:

**Model:** Philips Lumileds Luxeon Rebel LED  
**Configuration:** 36 x red, 42 x green, 42 x blue color LED in RGB array configuration  
**Rated Service Lifetime:** 50000 h

## Power Supply:

**Power supply:** Electronic, built in  
**Power Factor:** 0.992

## Test conditions:

**AC supply:** U = 230 V AC / f = 50Hz  
**Lens Option:** 10- 26°  
**Frost Filter Option:** no  
**Room Temp.:** 25°C  
**Position:** horizontal  
**Symmetry:** rational  
**Efficiency factor:** 100%

## Photometric Procedure:

**Date:** 15.07.2010  
**Goniometer Model:** LMT GO-DS 2000 automated Goniometer  
**Measurement Method:** DIN EN 13032-1 / C-Layer Measurement dC15° dG0,5°  
**Throw distance:** 14,56m  
**Data File Format:** according to ANSI/IESNA LM-63-02  
**File Name:** Impression 120 RZ RGB red zoom.ies  
Impression 120 RZ RGB red.ies  
Impression 120 RZ RGB zoom.ies  
Impression 120 RZ RGB.ies

**Output:**

Total (Wash):	$\gamma 90^\circ = 5313$ lumens $\gamma 0^\circ = 7814$ cd/klm
Total (Spot):	$\gamma 90^\circ = 4342,7$ lumens $\gamma 0^\circ = 17693$ cd/klm
Red (Spot):	$\gamma 90^\circ = 660$ lumens $\gamma 0^\circ = 17961,5$ cd/klm
Red (Wash):	$\gamma 90^\circ = 840$ lumens $\gamma 0^\circ = 7927$ cd/klm

**Electric Variable:**

Power Consumption:	P = 312,5 W
Current Draw:	I = 1,36 A
Power Consumption:	P = 302,5 W
Current Draw:	I = 1,32 A
Power Consumption:	P = 125,5 W
Current Draw:	I = 0,56 A
Power Consumption:	P = 125,5W
Current Draw:	I = 0,56 A

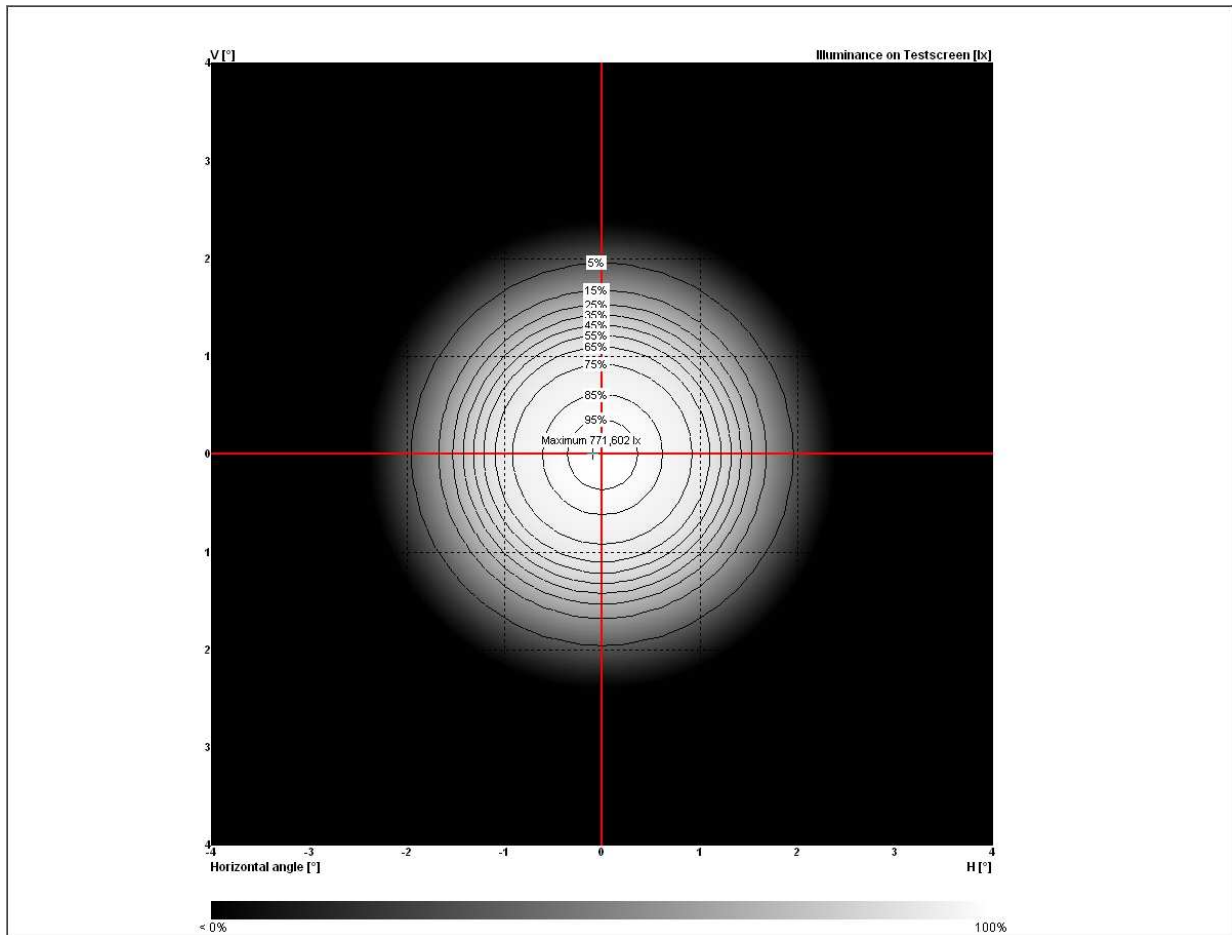
<b>Luminaire Type:</b>	Multiple-lamp Far-field luminaire
<b>Luminaire efficacy:</b>	17.0 lm/W
<b>Intended throw:</b>	$\geq 3$ m

<b>Ambient Temperature Limits:</b>	0°C – 45°C
<b>Dimension (L x W x H):</b>	234 x 340 x 300 mm
<b>Dimension Lens (H x Ø):</b>	28 x 228 mm
<b>Weight:</b>	7.5 Kg
<b>Approvals:</b>	Din EN ISO/IEC 17025:2005, 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

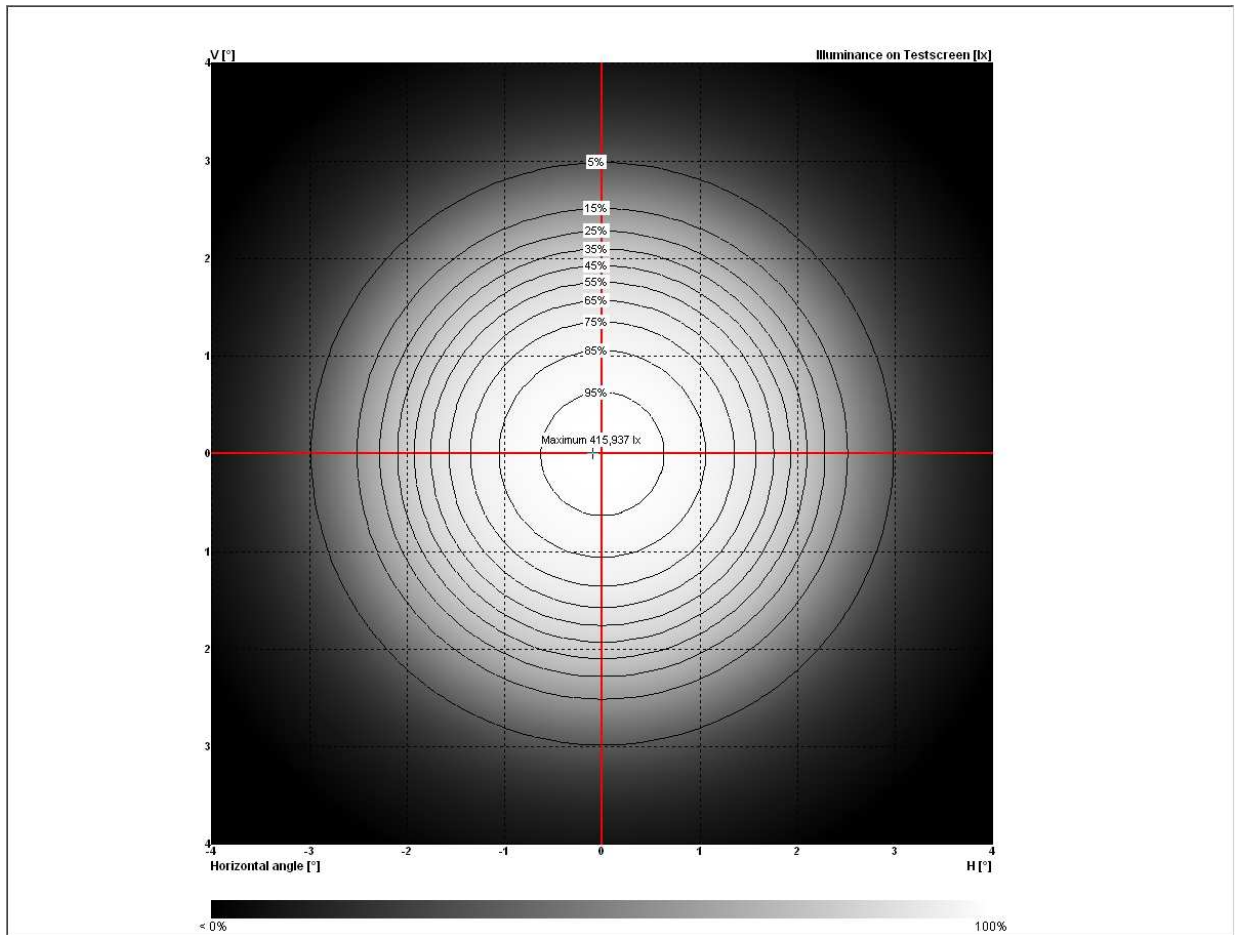
**Disclaimer:** The information in this document is provided in connection with the described product only. In no event shall GLP be liable for any direct, indirect, consequential, punitive, special or incidental damages (including, without limitation, damages for loss of profits, business interruption, 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

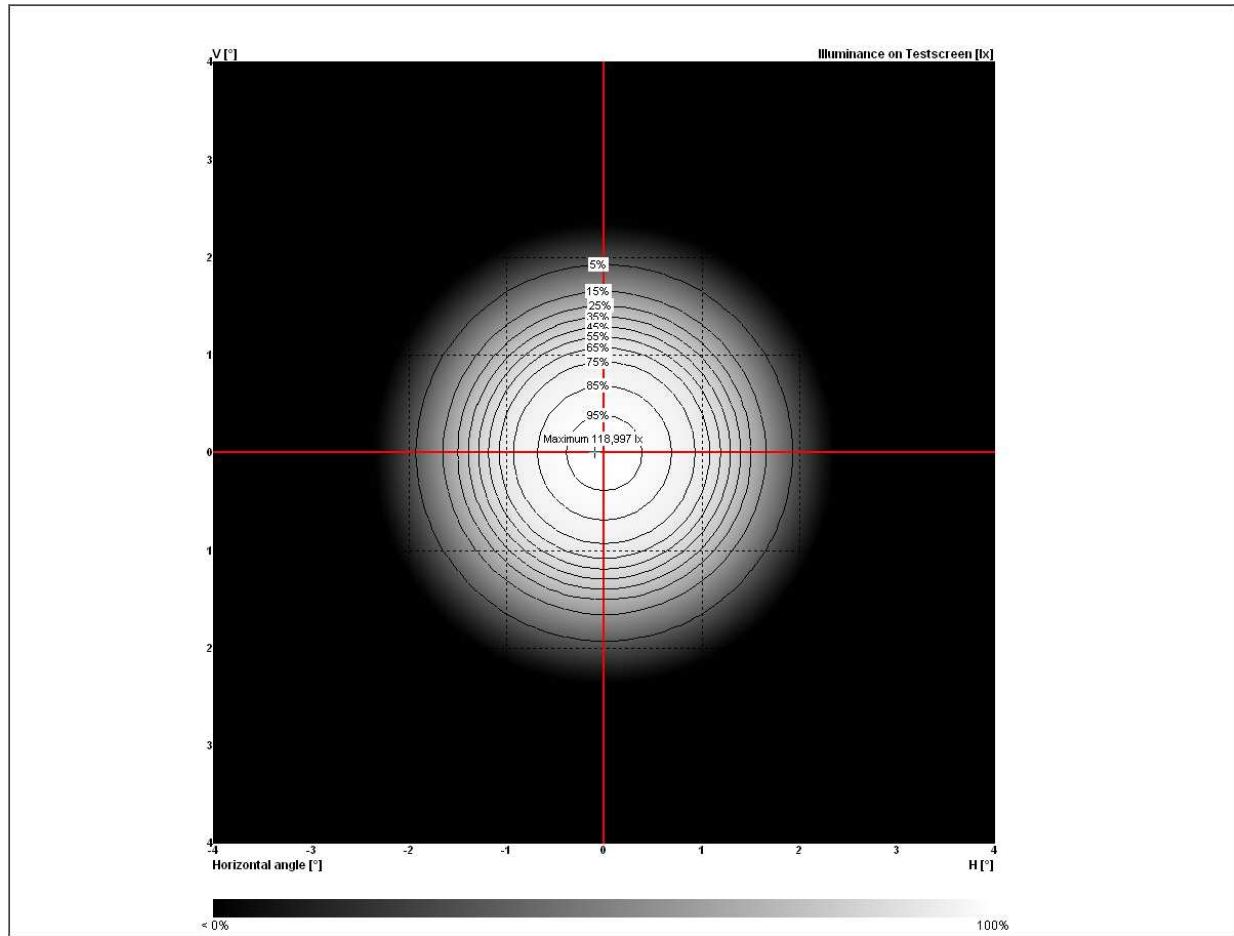
Full on (Spot)



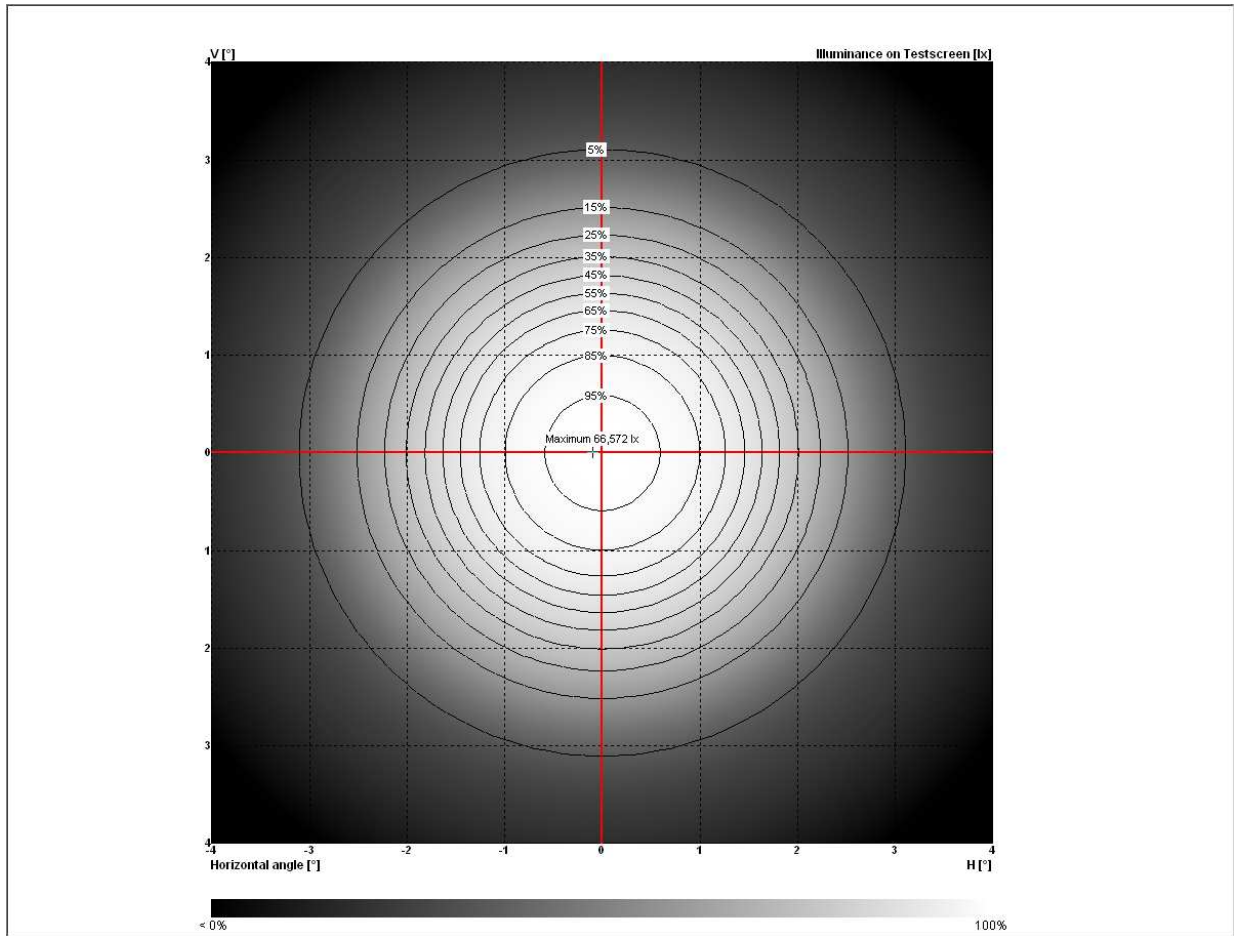
Full on (Wash)



Red (Spot)

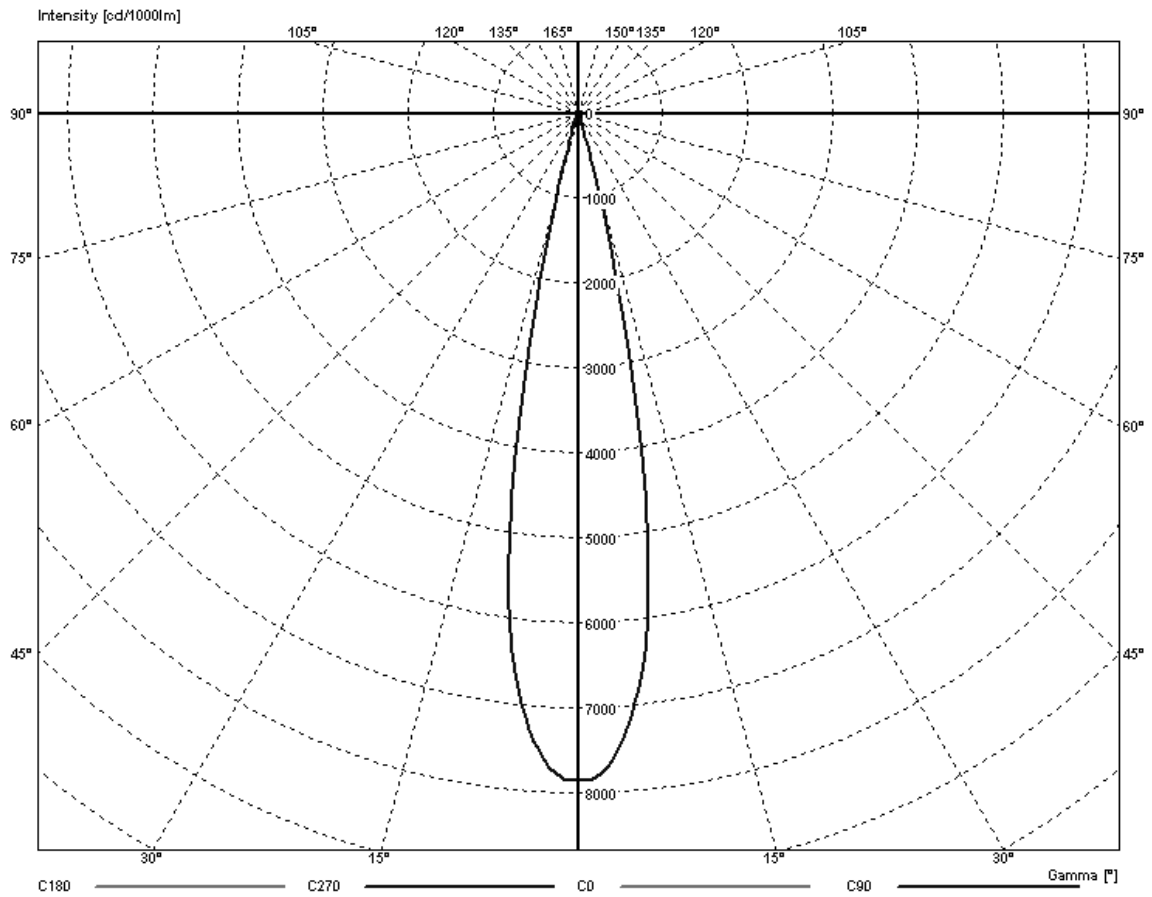


Red (Wash)



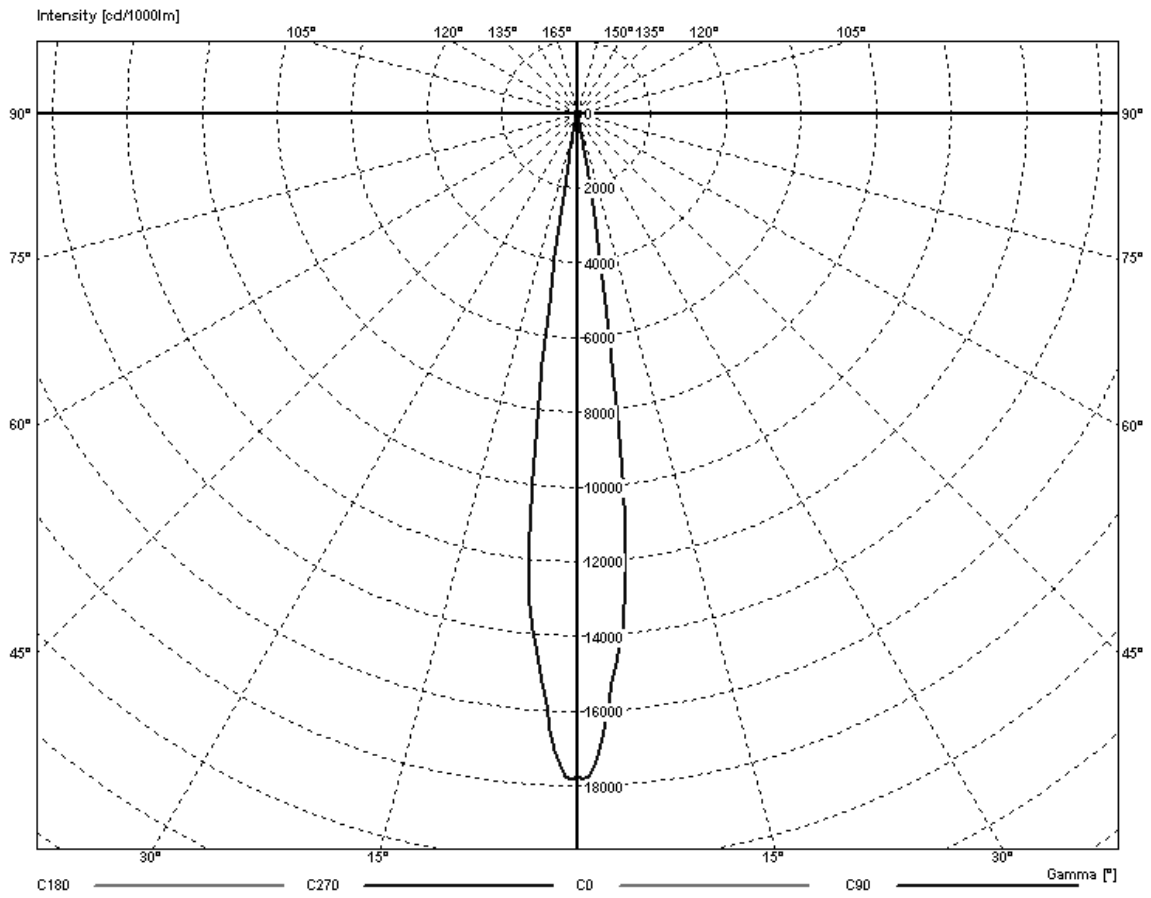
Polarcurve diagrams:

Full on (Wash)

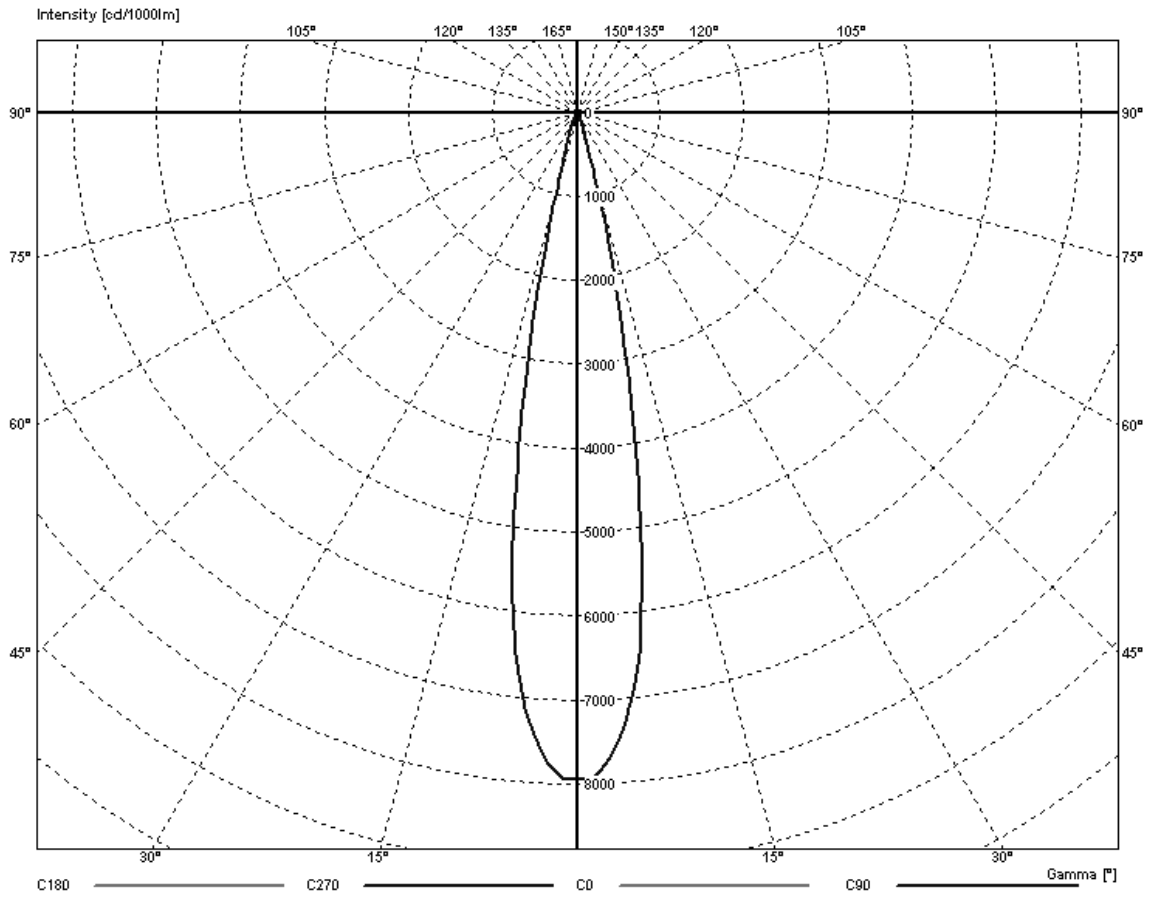




Full on (Spot)



Red (Wash)



Red (Spot)

