

Photometric Report



R-G-B 10°



impression



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Impression 90 RGB 10° – Photometric Report

GLP R&D Center Germany, 15.07.2010

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

Product: Impression 90 RGB 10°

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

Power Supply:

Power supply: Electronic, built in
Power Factor: 0.993

Test conditions:

AC supply: U = 230 V AC / f = 50Hz
Lens Option: 10°
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 90 RGB red.ies
Impression 90 RGB green.ies
Impression 90 RGB blue.ies
Impression 90 RGB full on.ies

Output:

Total: γ 90° = 3933 lumens
 γ 0° = 19868,5 cd/klm

Red only: γ 90° = 1593 lumens
 γ 0° = 21117 cd/klm

Green only: γ 90° = 2679 lumens
 γ 0° = 19471 cd/klm

Blue only: γ 90° = 520 lumens
 γ 0° = 18133,7 cd/klm

Electric Variable:

Power Consumption: P = 336 W
 Current Draw: I = 1,47 A

Power Consumption: P = 97 W
 Current Draw: I = 0,444 A

Power Consumption: P = 164 W
 Current Draw: I = 0,736 A

Power Consumption: P = 148 W
 Current Draw: I = 0,668 A

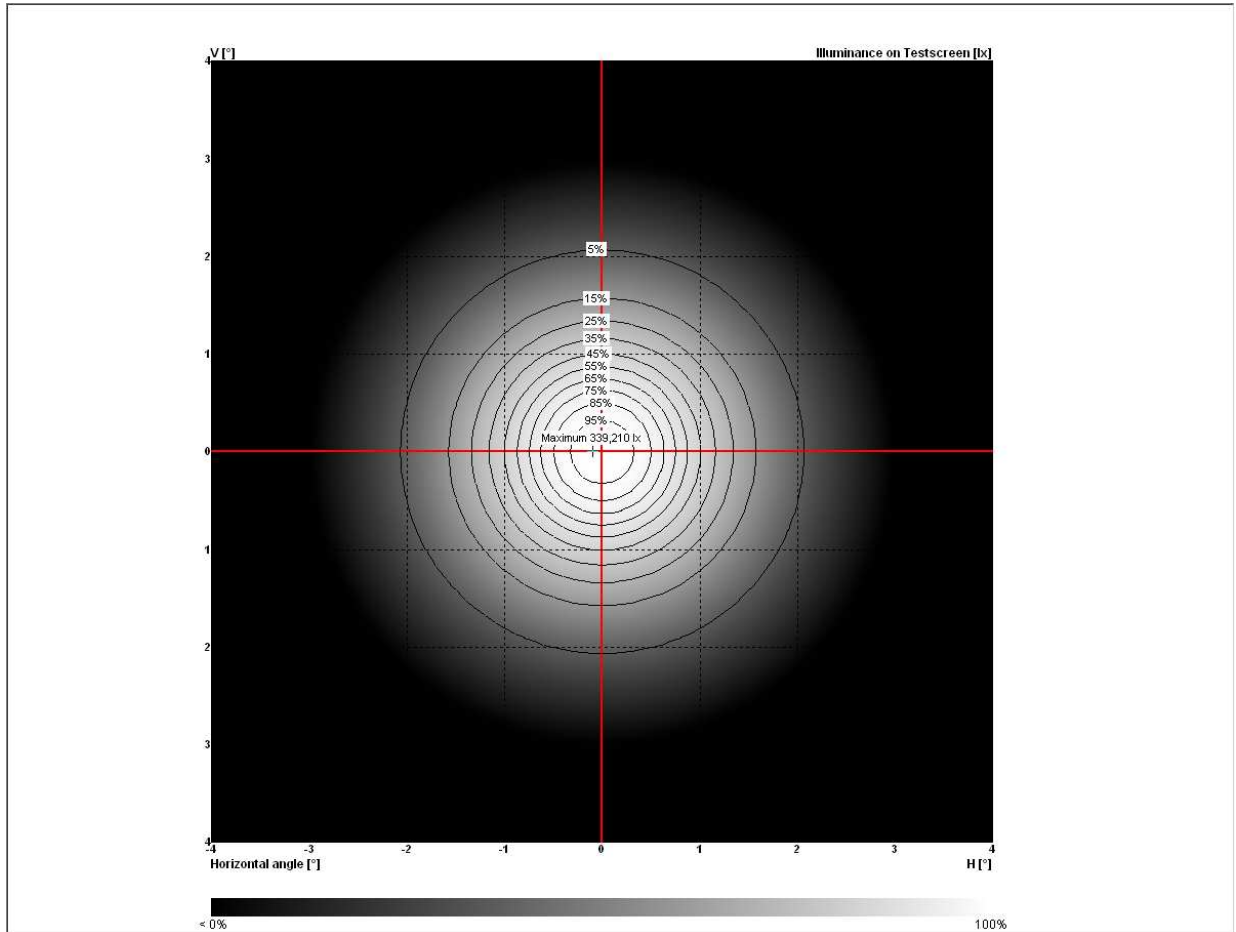
Luminaire Type: Multiple-lamp Far-field luminaire
Luminaire efficacy: 14.58 lm/W
Intended throw: \geq 3m

Ambient Temperature Limits: 0°C – 45°C
Dimension (L x W x H): 234 x 340 x 320 mm
Dimension Lens (H x Ø): 30 x 224 mm
Weight: 7.5 Kg
Approvals: 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

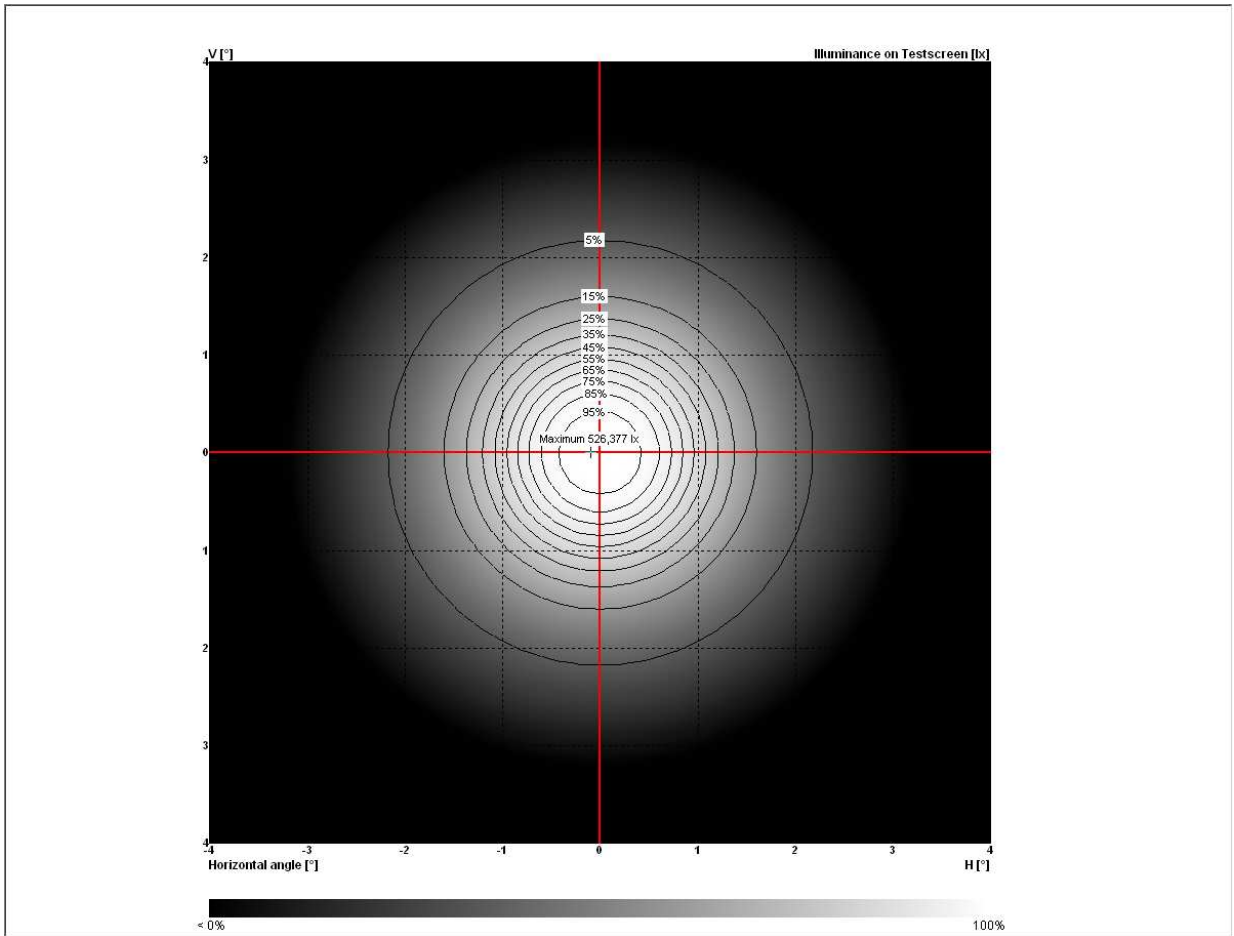
Disclaimer: The information in this document is provided in connection with the described product only. In no event shall GLP be liable for any direct, indirect, consequential, punitive, special or incidental damages (including, without limitation, damages for loss of profits, business interruption,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

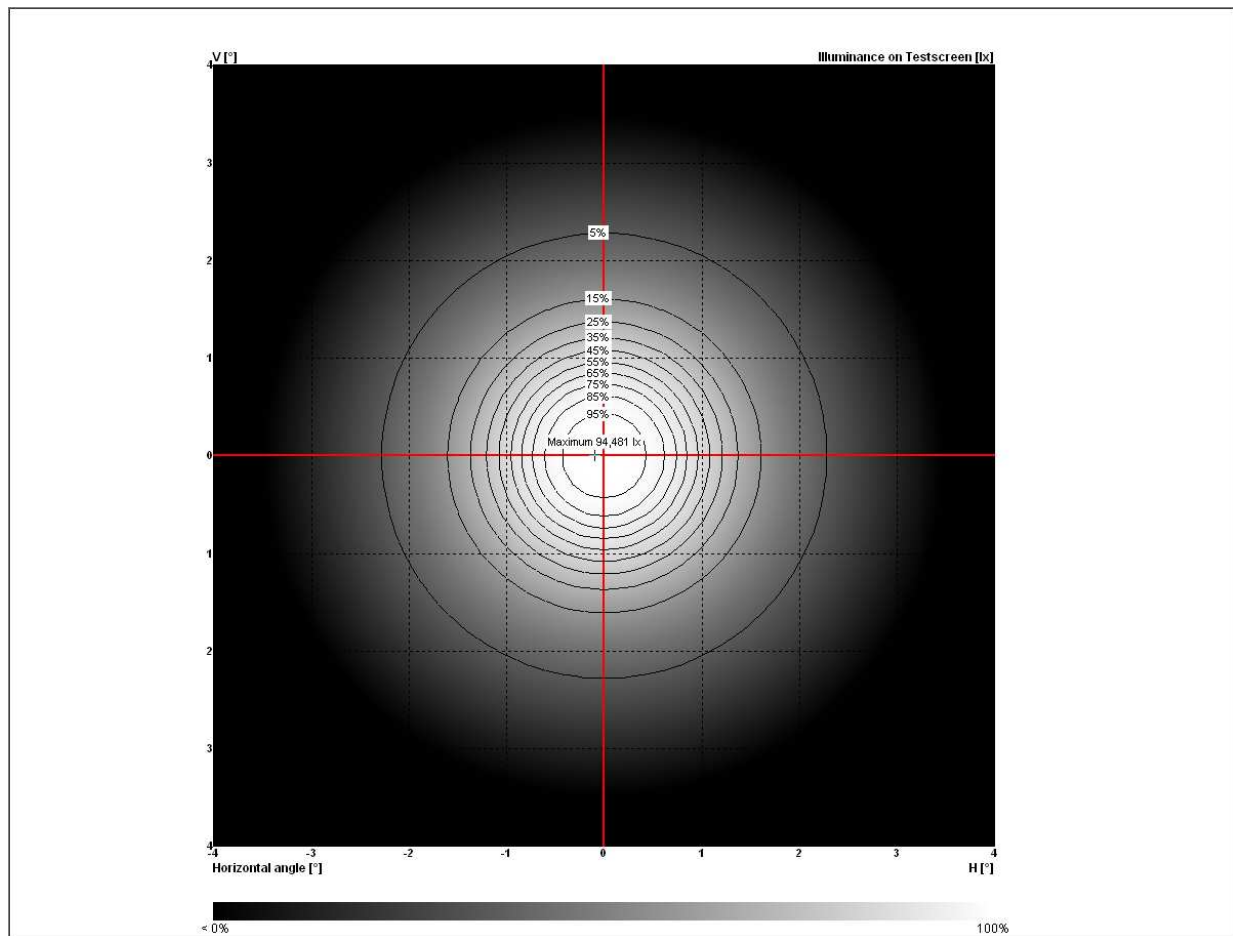
Red



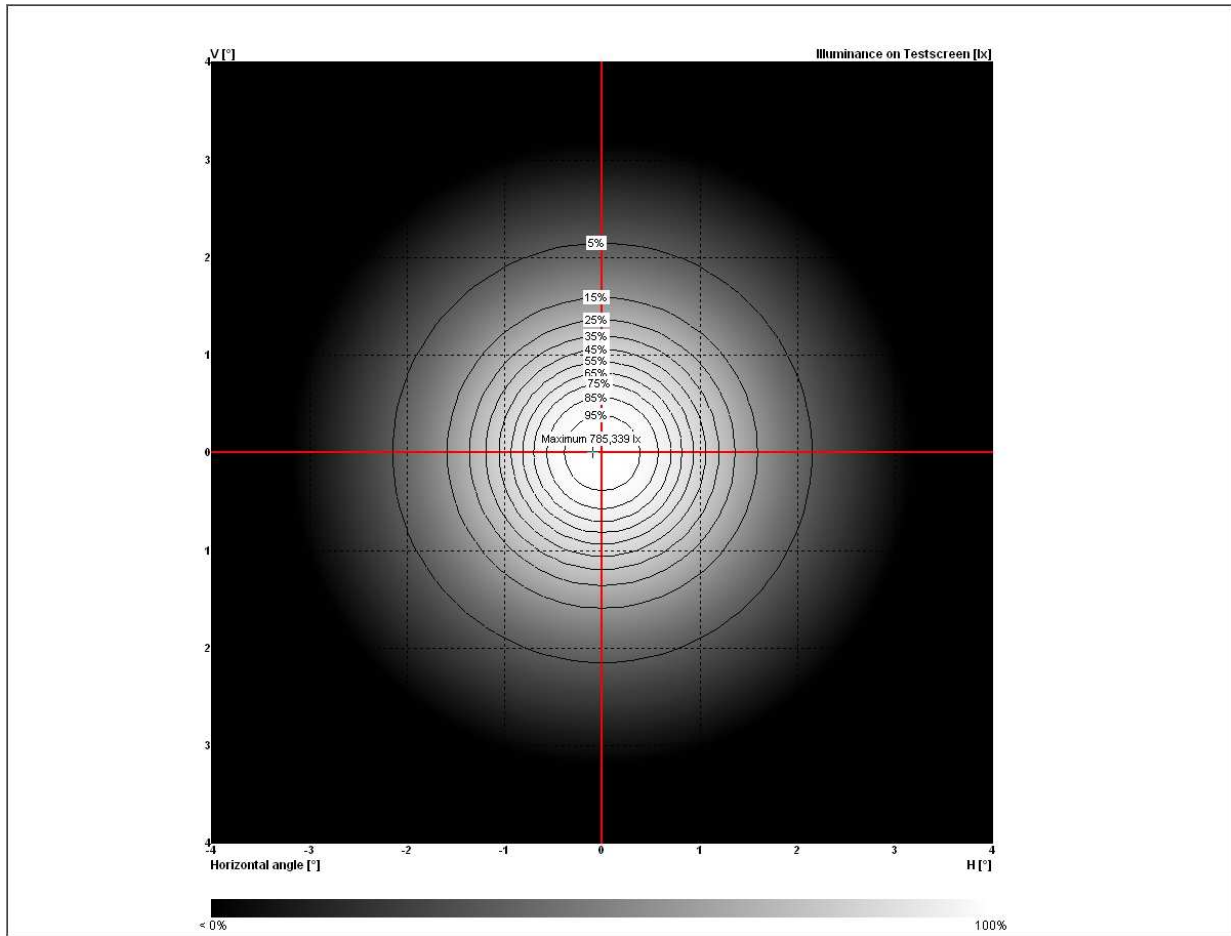
Green



Blue

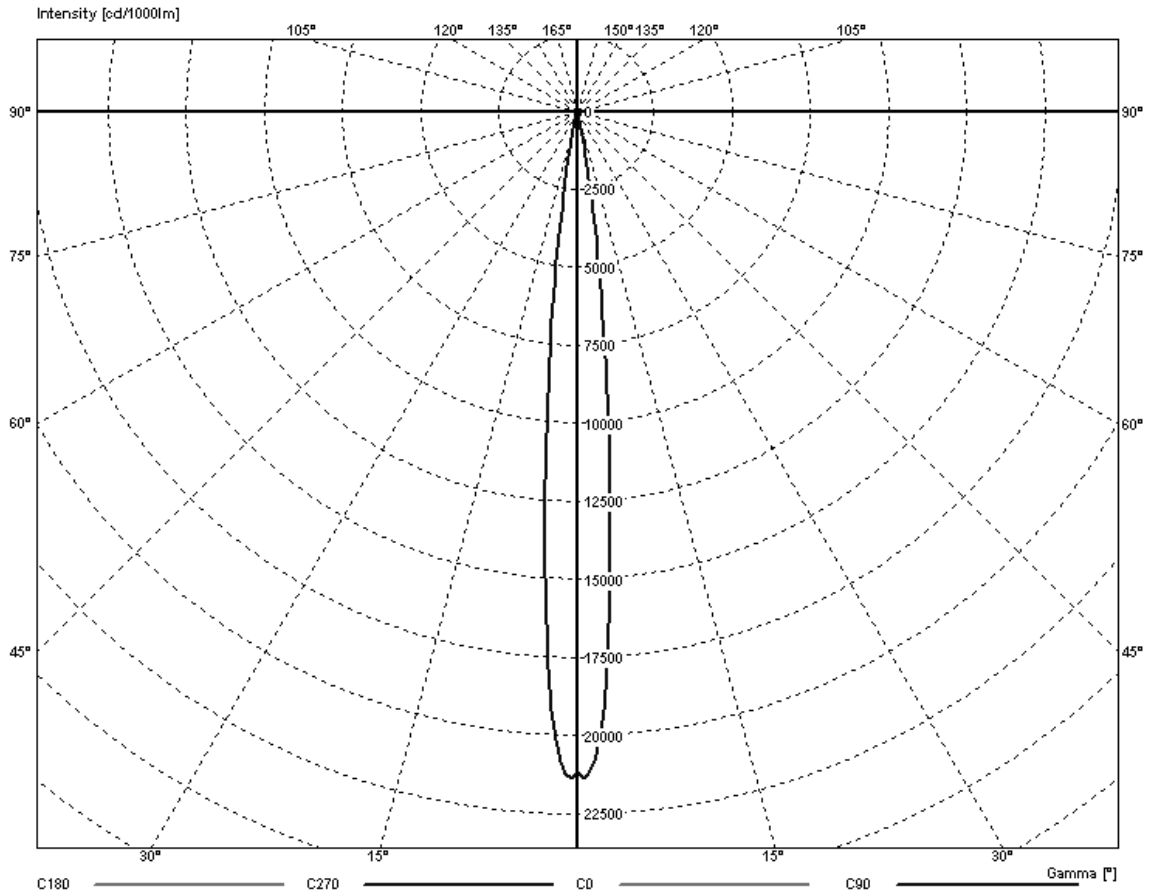


White

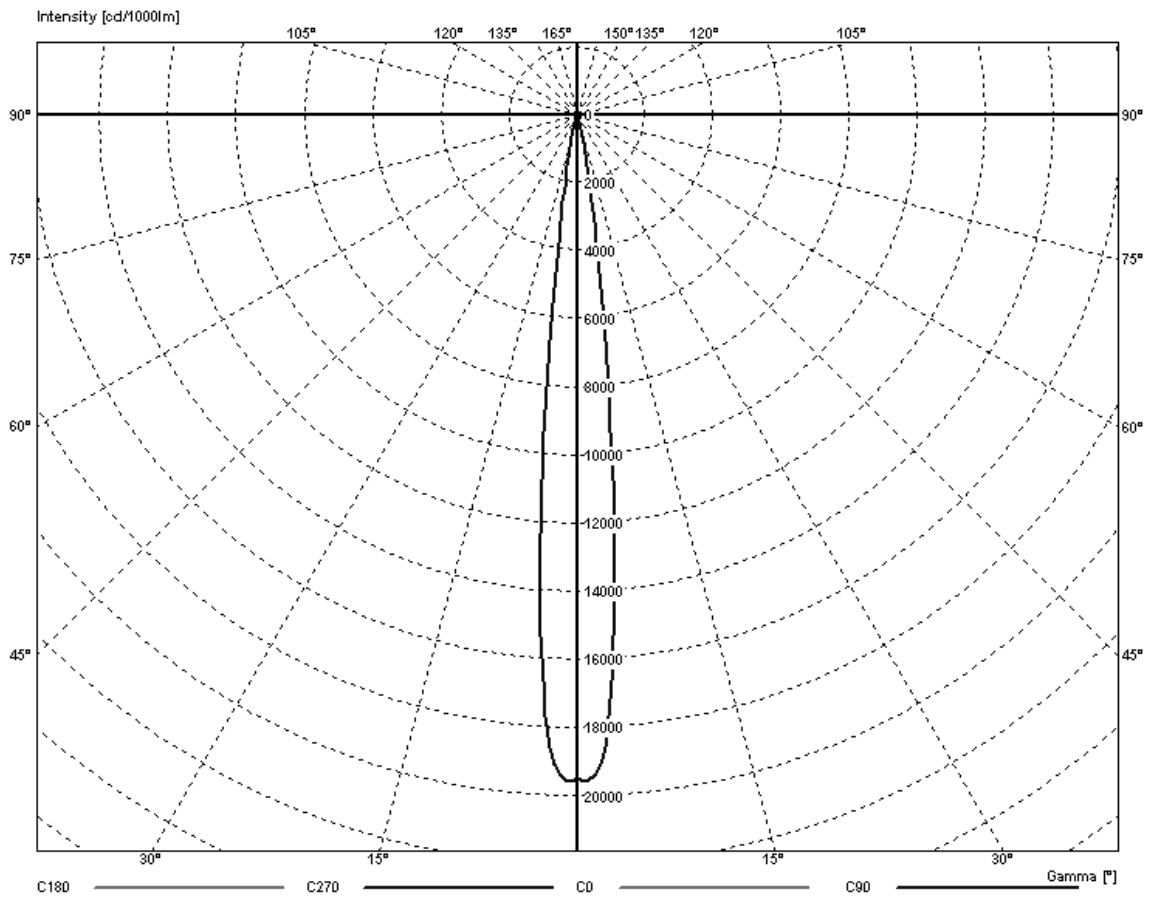


Polarcurve diagrams:

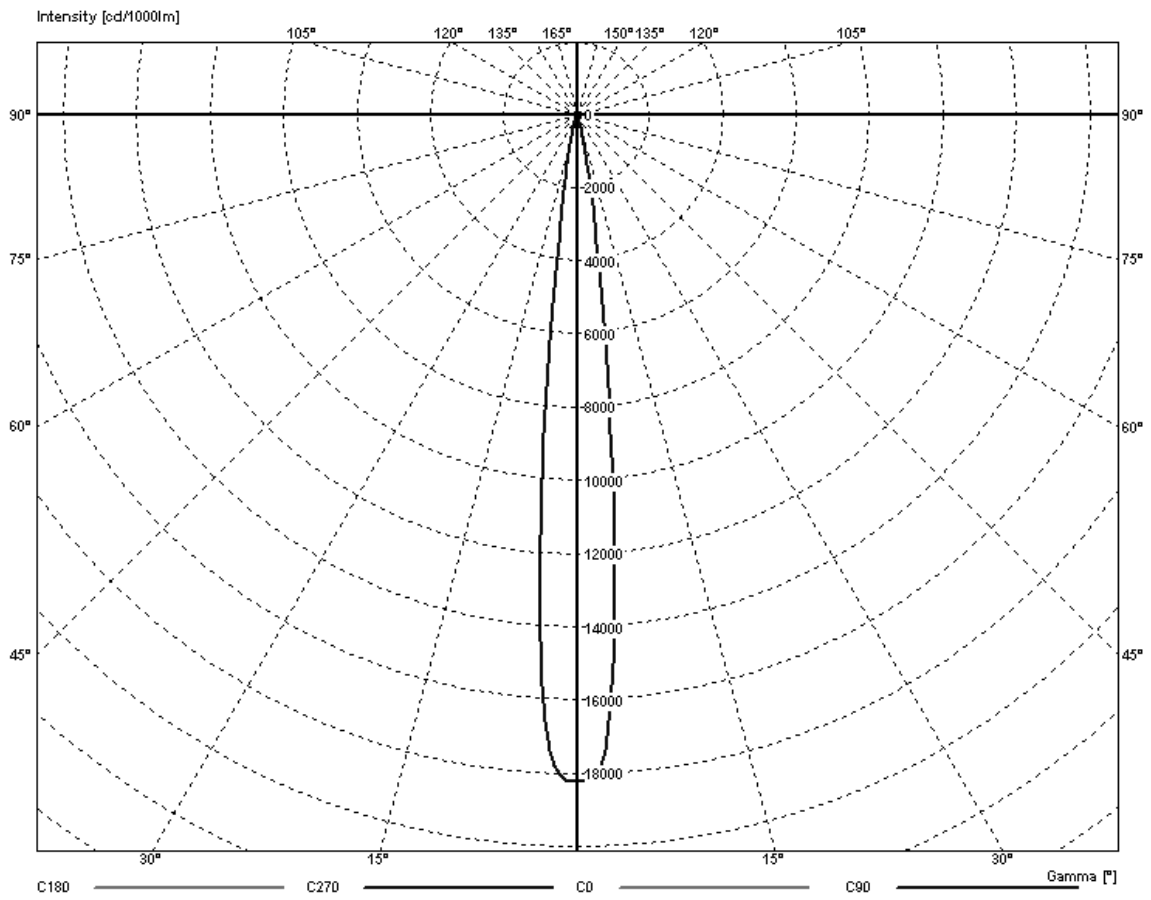
Red



Green



Blue



White

