Photometric Report

impressionXL 300 RZ

GLP
GERMAN LIGHT PRODUCTS
since 1994

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Impression 300 XL 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 300 XL RZ RGB

Light Source:

Model:	Philips Lumileds Luxeon Rebel LED
Configuration:	105 x red, 96 x green, 96 x blue color LED in RGB array configuration
Rated Service Lifetime:	50000 h

Power Supply:

Power supply:	Electronic, built in
Power Factor:	0.967

Test conditions:

AC supply:	U = 230 V AC / f = 50Hz
Lens Option:	10- 26°
Frost Filter Option:	no
Room Temp.:	25℃
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 dC15ϒ dG0,5°
Throw distance:	14,56m
Data File Format:	according to ANSI/IESNA LM-63-02
File Name:	Impression 300 XL RZ RGB red zoom.ies Impression 300 XL RZ RGB red.ies Impression 300 XL RZ RGB zoom.ies Impression 300 XL RZ RGB.ies

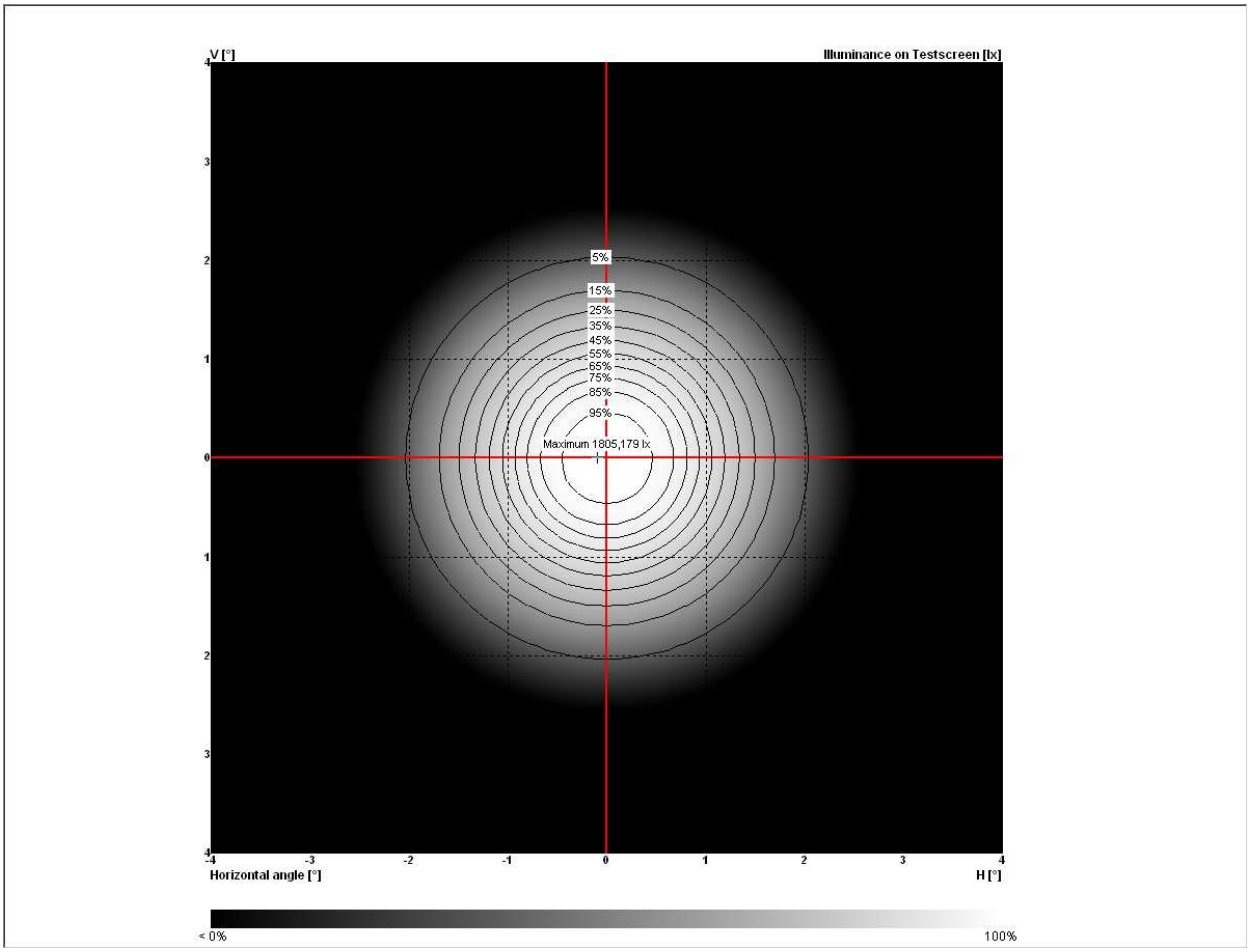
Output:		**Electric Variable:**	
Total (Wash):	γ 90° = 9559 lumens γ 0° = 7448 cd/klm	Power Consumption: Current Draw:	P = 506 W I = 2,27 A
Total (Spot):	γ 90° = 9528 lumens γ 0° = 18917 cd/klm	Power Consumption: Current Draw:	P = 509 W I = 2,27 A
Red (Spot):	γ 90° = 1962 lumens γ 0° = 7617 cd/klm	Power Consumption: Current Draw:	P = 220 W I = 1,0 A
Red (Wash):	γ 90° = 1926 lumens γ 0° = 7488 cd/klm	Power Consumption: Current Draw:	P = 220 W I = 1,0 A

Luminaire Type: Multiple-lamp Far-field luminaire
Luminaire efficacy: 18.9 lm/W
Intended throw: >= 3m

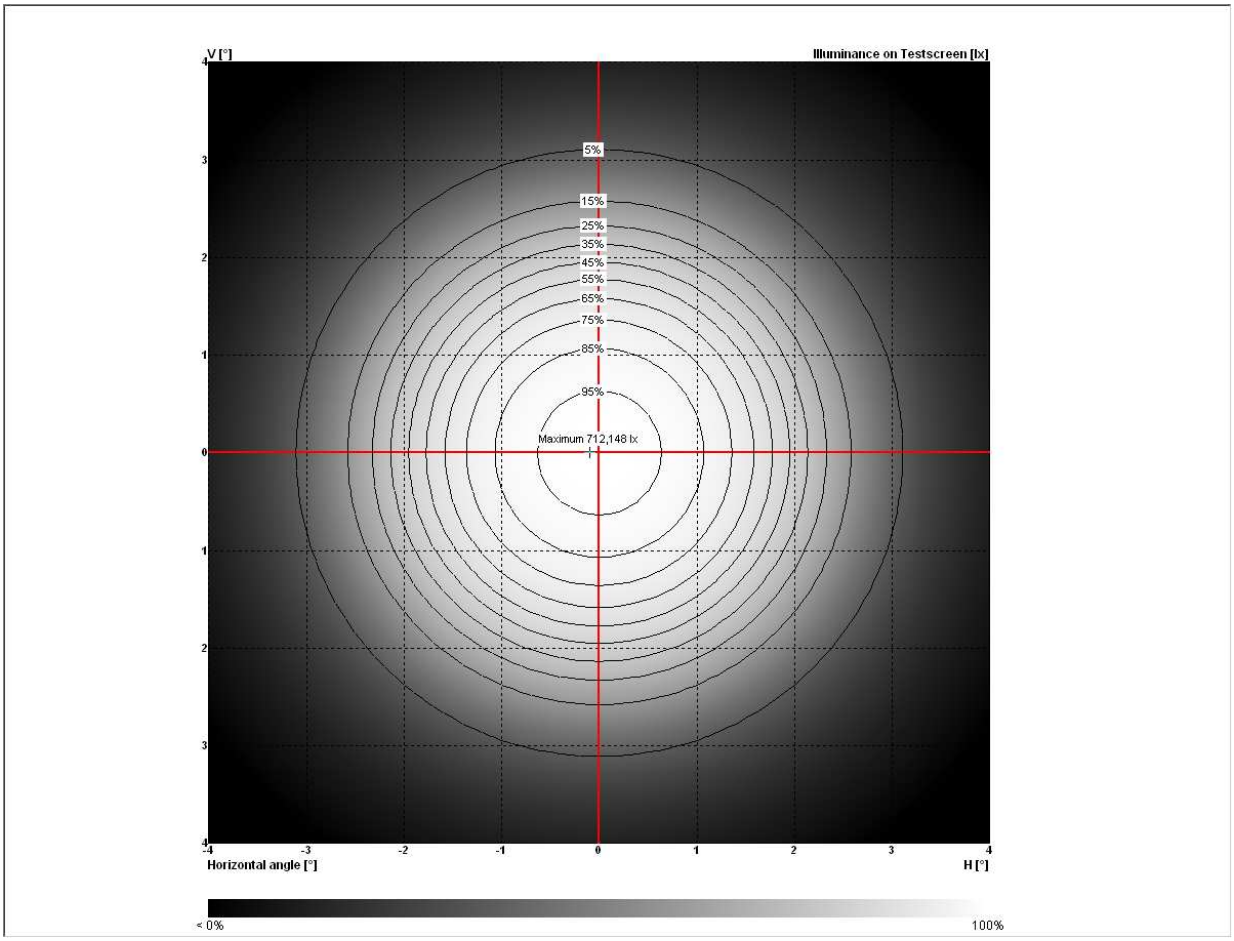
Ambient Temperature Limits: 0℃ – 45℃
Dimension (L x W x H): 360 x 521 x 450 mm
Dimension Lens (H x Ø): 0 x 350 mm / 30 x 350
Weight: 23.5 Kg
Approvals: Din EN ISO/IEC 17025:2005, EN 60598-1, EN 60598-2-17, EN 55 015, EN 55 103, EN 61 000-3
ANSI/UL 1573, CSA C22.2 No. 166

Illuminance distribution diagram

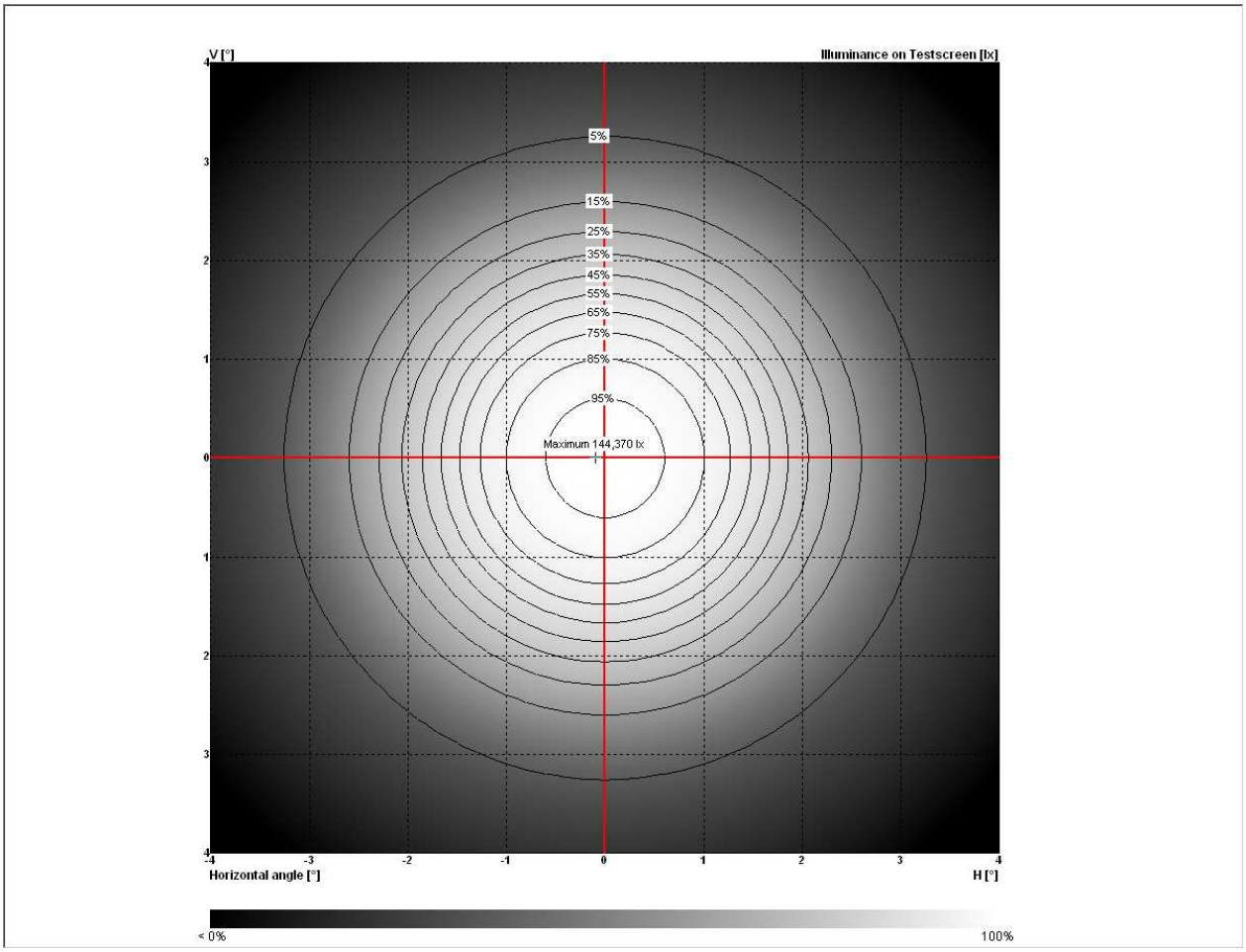
Full on (Spot)



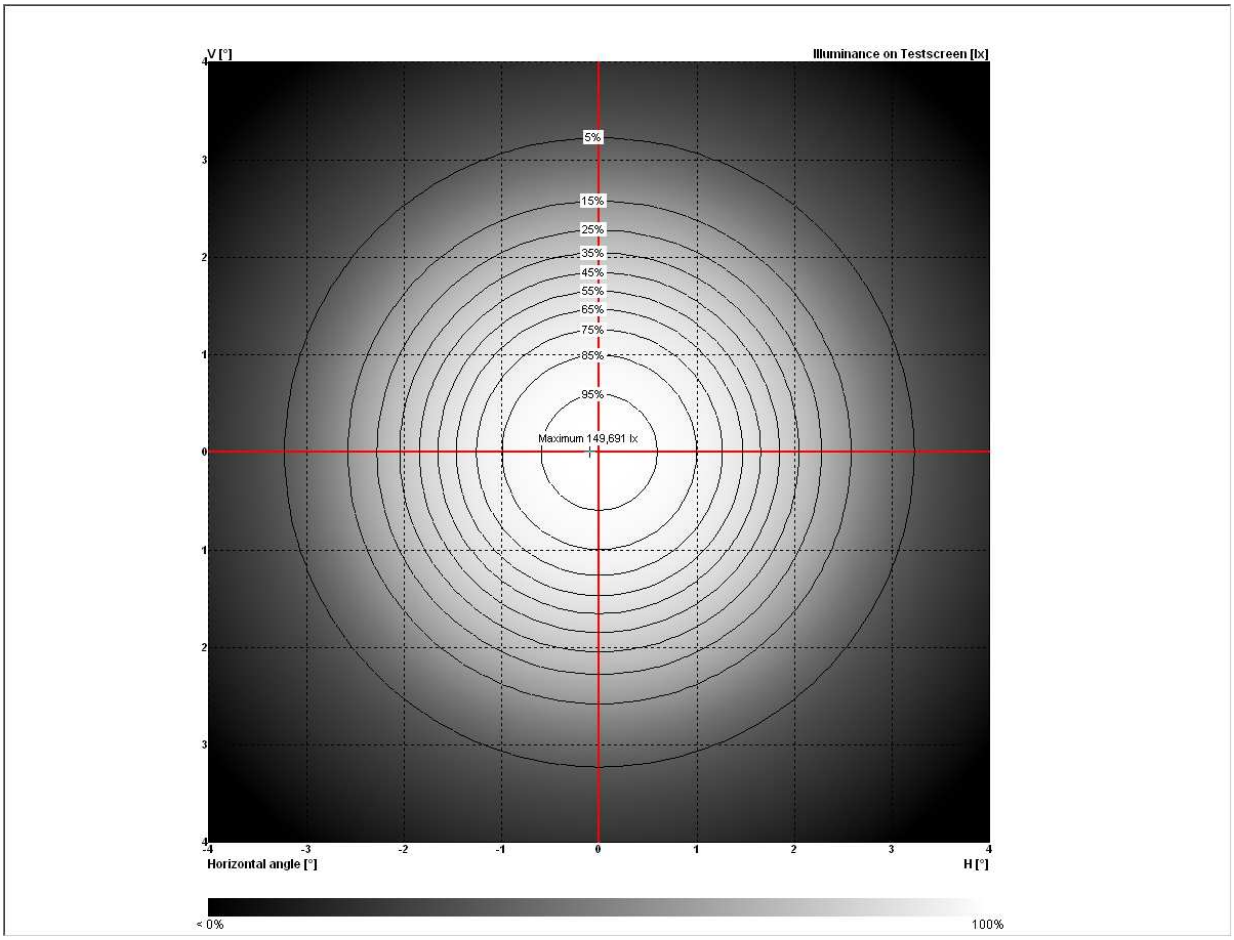
Full on (Wash)


V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 712,148 lx
Horizontal angle [°]
H [°]
< 0%
100%

Red (Spot)

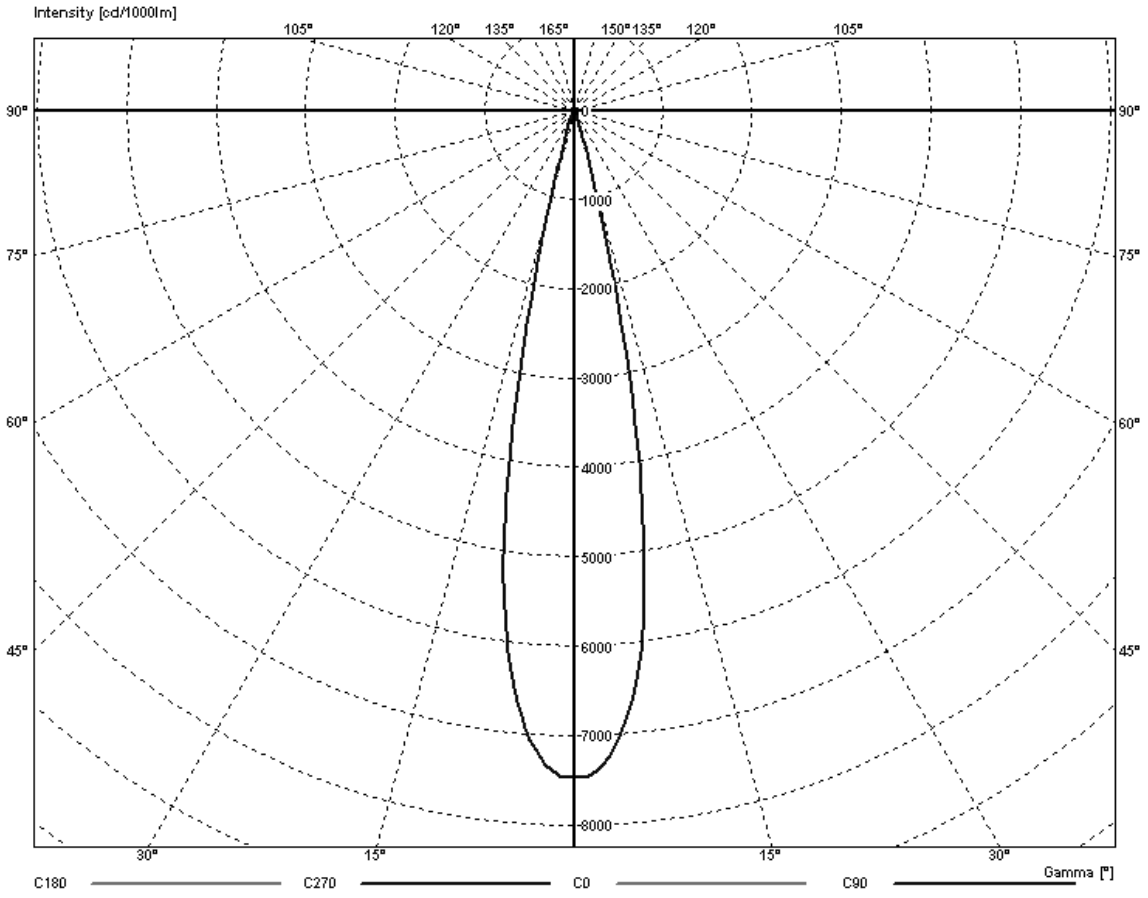

V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 144,370 lx
4
3
2
1
0
1
2
3
4
-4
-3
-2
-1
0
1
2
3
4
Horizontal angle [°]
H [°]
< 0%
100%

Red (Wash)

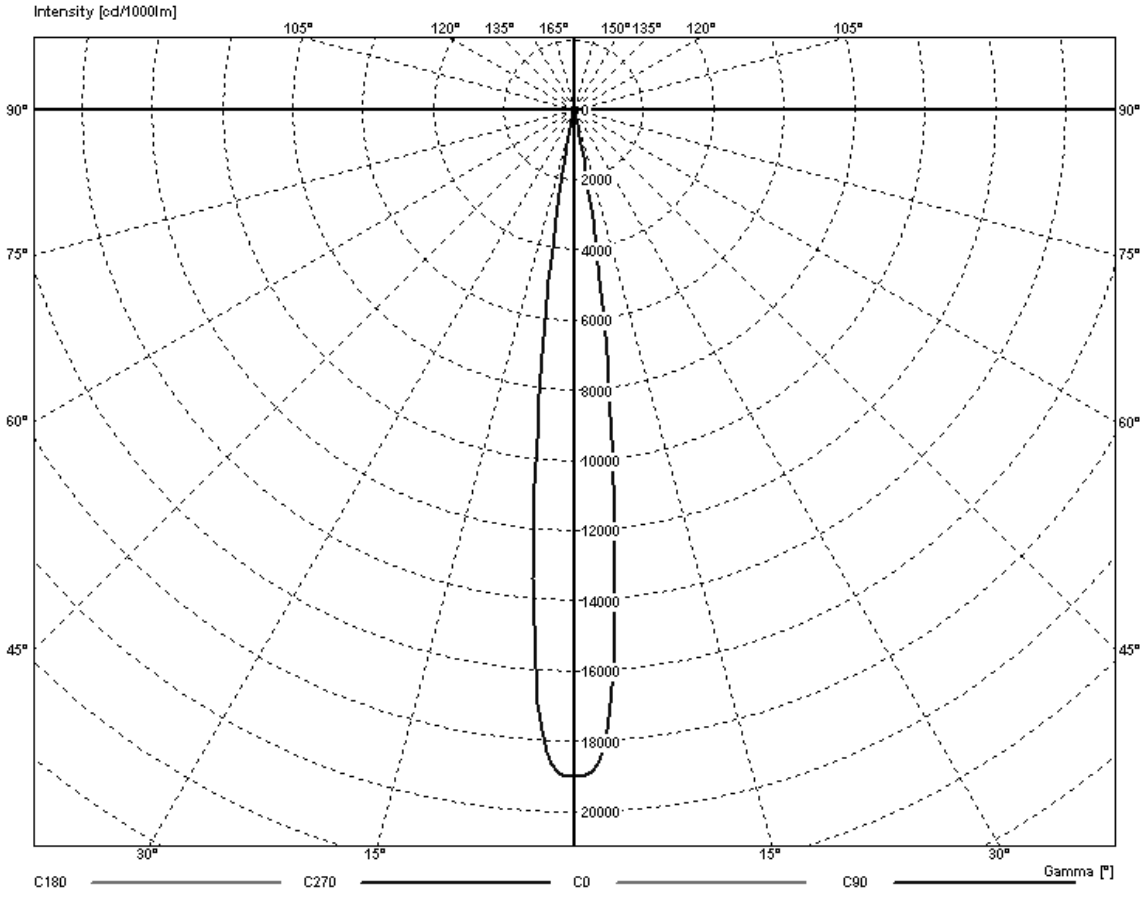

V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 149,691 lx
Horizontal angle [°]
H [°]
< 0%
100%

Polarcurve diagrams:

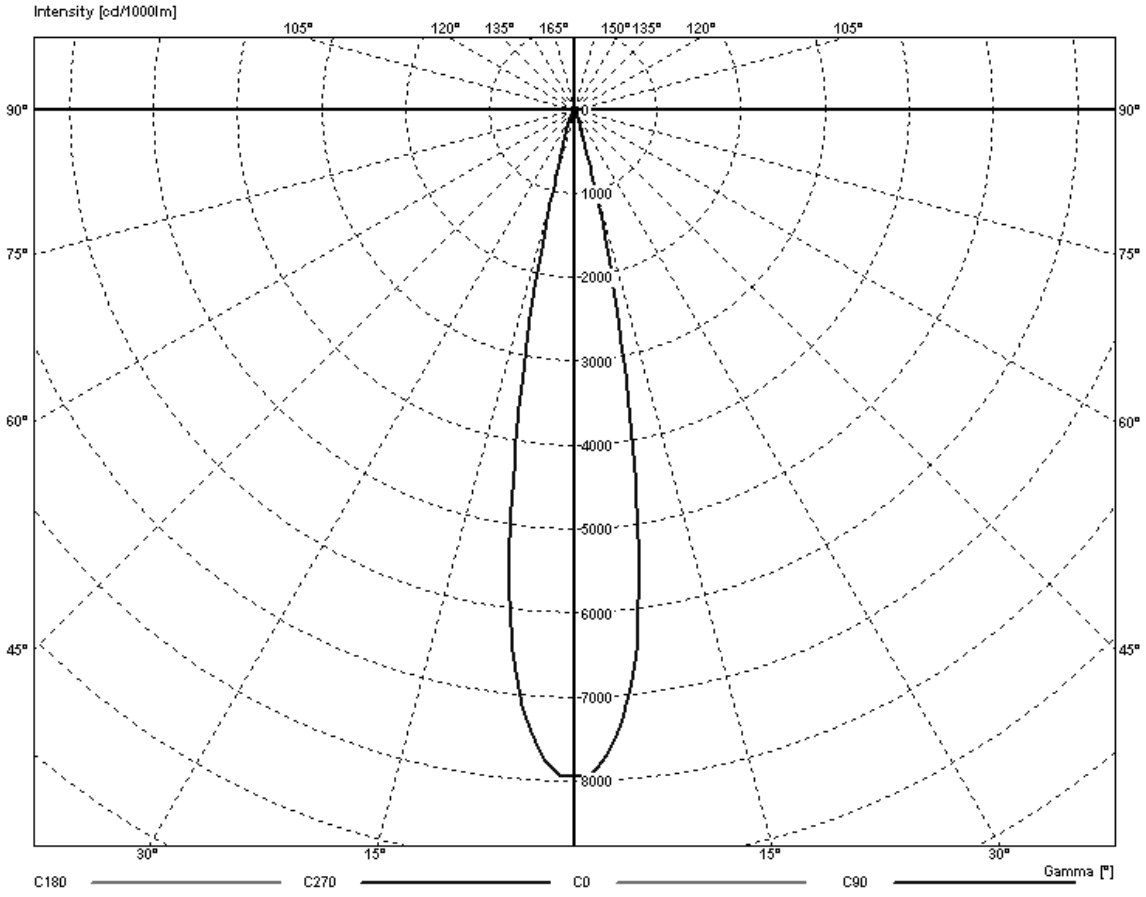
Full on (Wash)



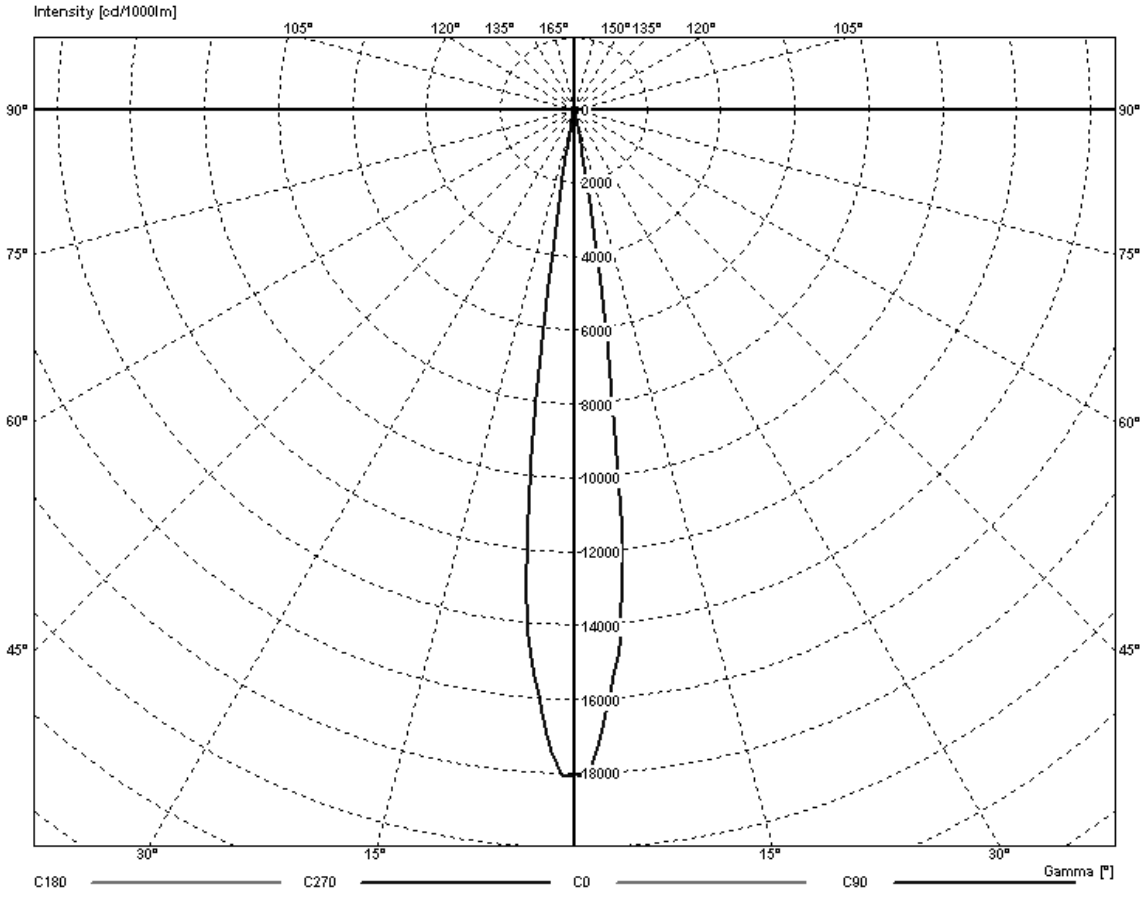
Full on (Spot)


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
30°
15°
15°
30°
Gamma [°]
C180
C270
C0
C90

Red (Wash)


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
1000
2000
3000
4000
5000
6000
7000
8000
30°
15°
15°
30°
Gamma [°]
C180
C270
C0
C90

Red (Spot)


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
30°
15°
15°
30°
Gamma [°]
C180
C270
C0
C90