Photometric Report

impression
Meisterstück

GLP
GERMAN LIGHT
PRODUCTS
since 1994

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Internet: http://www.glp.de

Impression Meisterstück – Photometric Report

GLP R&D Center Germany, 15.07.2010

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

Light Source:

Model:	Luminus PhlatLight CBM-380-RGBW LED
Configuration:	4x RGBW LED in a LED-Chipset configuration
Rated Service Lifetime:	10000 h

Power Supply:

Power supply:	Electronic, built in
Power Factor:	0.986

Test conditions:

AC supply:	U = 230 V AC / f = 50Hz
Lens Option:	10 - 34°
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 dC15º dG0,5°
Throw distance:	14,56m
Data File Format:	according to ANSI/IESNA LM-63-02
File Name:	Impression Meisterstück red zoom0.ies Impression Meisterstück green zoom0.ies Impression Meisterstück blue0.ies Impression Meisterstück full on0.ies Impression Meisterstück full on0,5.ies Impression Meisterstück full on1.ies Impression Meisterstück red1.ies Impression Meisterstück green1.ies Impression Meisterstück blue1.ies

Impression Meisterstück white0.ies
Impression Meisterstück white1.ies

Output:		**Electric Variable:**	
Narrow			
Total:	γ 90°= 7174 lumens γ 0° = 33483 cd/klm	Power Consumption: Current Draw:	P = 811 W I = 3,57 A
Red only:	γ 90°= 1568 lumens γ 0° = 34934 cd/klm	Power Consumption: Current Draw:	P = 284 W I = 1,32 A
Green only:	γ 90°= 3815 lumens γ 0° = 33168 cd/klm	Power Consumption: Current Draw:	P = 285 W I = 1,63 A
Blue only:	γ 90°= 403 lumens γ 0° = 33413 cd/klm	Power Consumption: Current Draw:	P = 285 W I = 1,32 A
White only:	γ 90°= 2302 lumens γ 0° = 33962 cd/klm	Power Consumption: Current Draw:	P = 285 W I = 1,32 A
Wide			
Total:	γ 90°= 9547 lumens γ 0° = 2949 cd/klm	Power Consumption: Current Draw:	P = 812 W I = 3,57 A
Red only:	γ 90°= 2111 lumens γ 0° = 3045 cd/klm	Power Consumption: Current Draw:	P = 284 W I = 1,32 A
Green only:	γ 90°= 5056 lumens γ 0° = 3001 cd/klm	Power Consumption: Current Draw:	P = 285 W I = 1,64 A
Blue only:	γ 90°= 555 lumens γ 0° = 3127 cd/klm	Power Consumption: Current Draw:	P = 289 W I = 1,34 A
White only:	γ 90°= 3117lumens γ 0° = 2835 cd/klm	Power Consumption: Current Draw:	P = 283 W I = 1,30 A
Center			
Total:	γ 90°= 8712 lumens γ 0° = 10997 cd/klm	Power Consumption: Current Draw:	P = 812 W I = 3,57 A

9547/812

Luminaire Type: Multiple-lamp Far-field luminaire
Luminaire efficacy: 11.75 lm/W
Intended throw: >= 3m

Ambient Temperature Limits: 0℃ – 45℃
Dimension (L x W x H): 280 x 510 x 650 mm
Dimension Lens (H x Ø): 0 x 230 mm
Weight: 32 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

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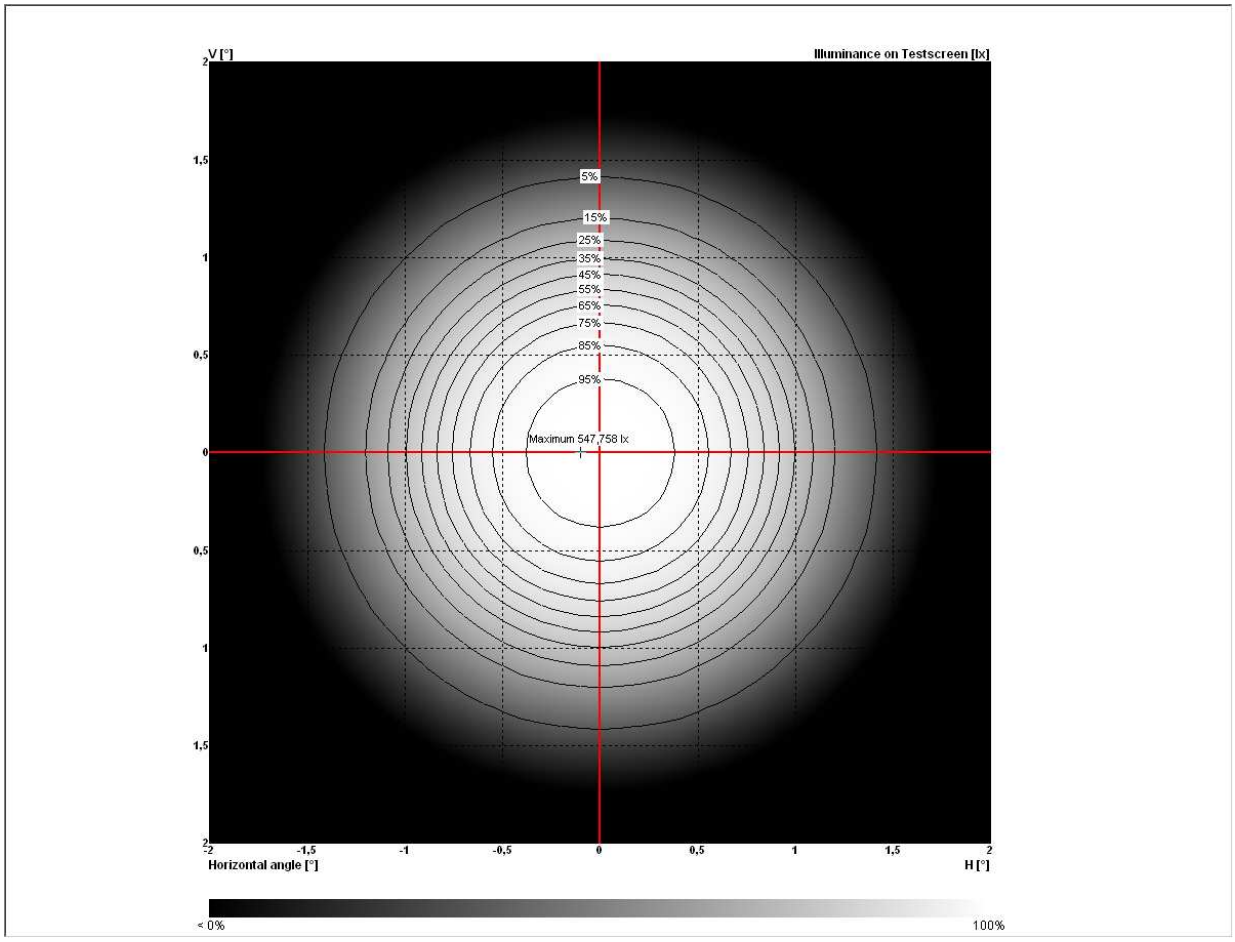
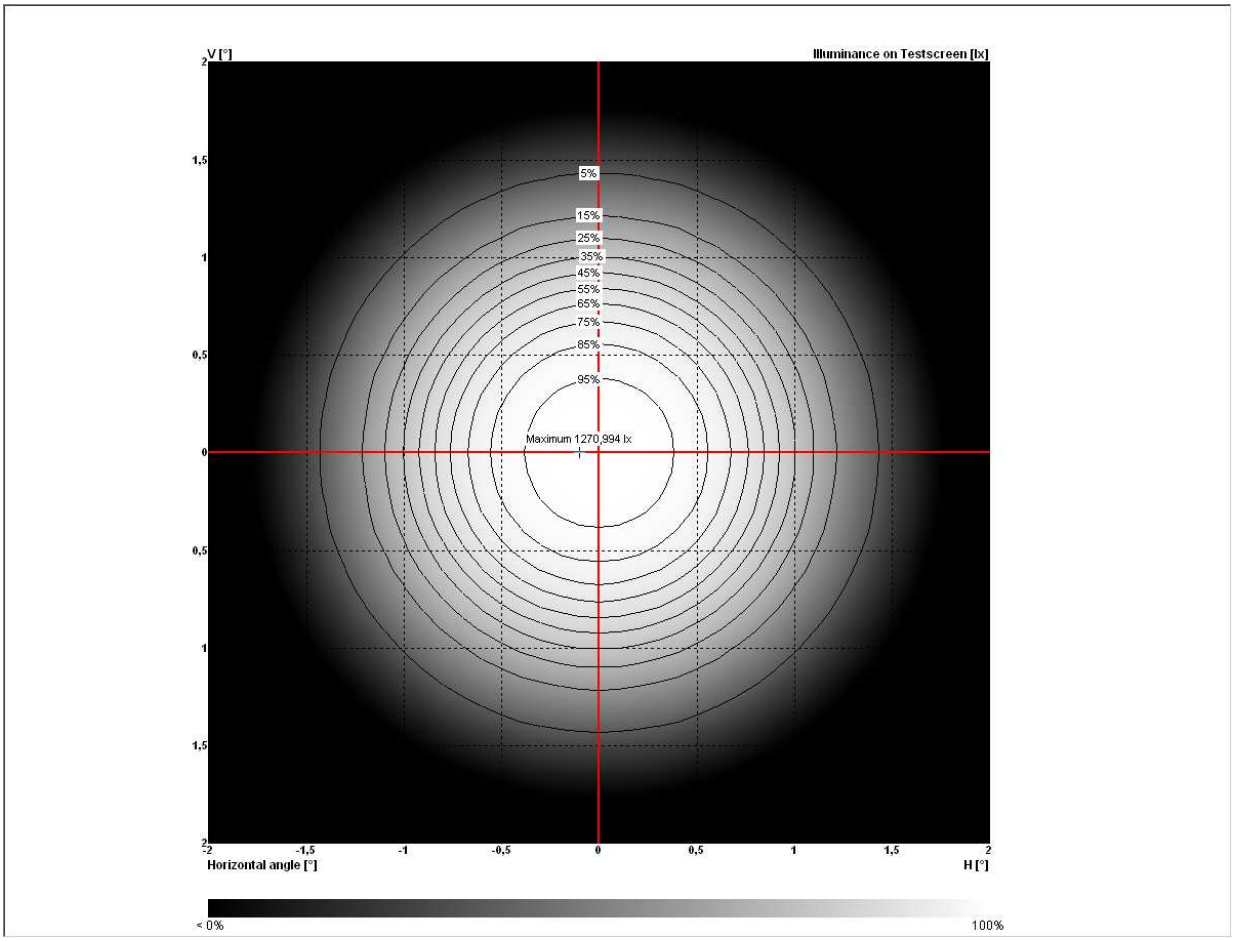
Illuminance distribution diagram

Narrow

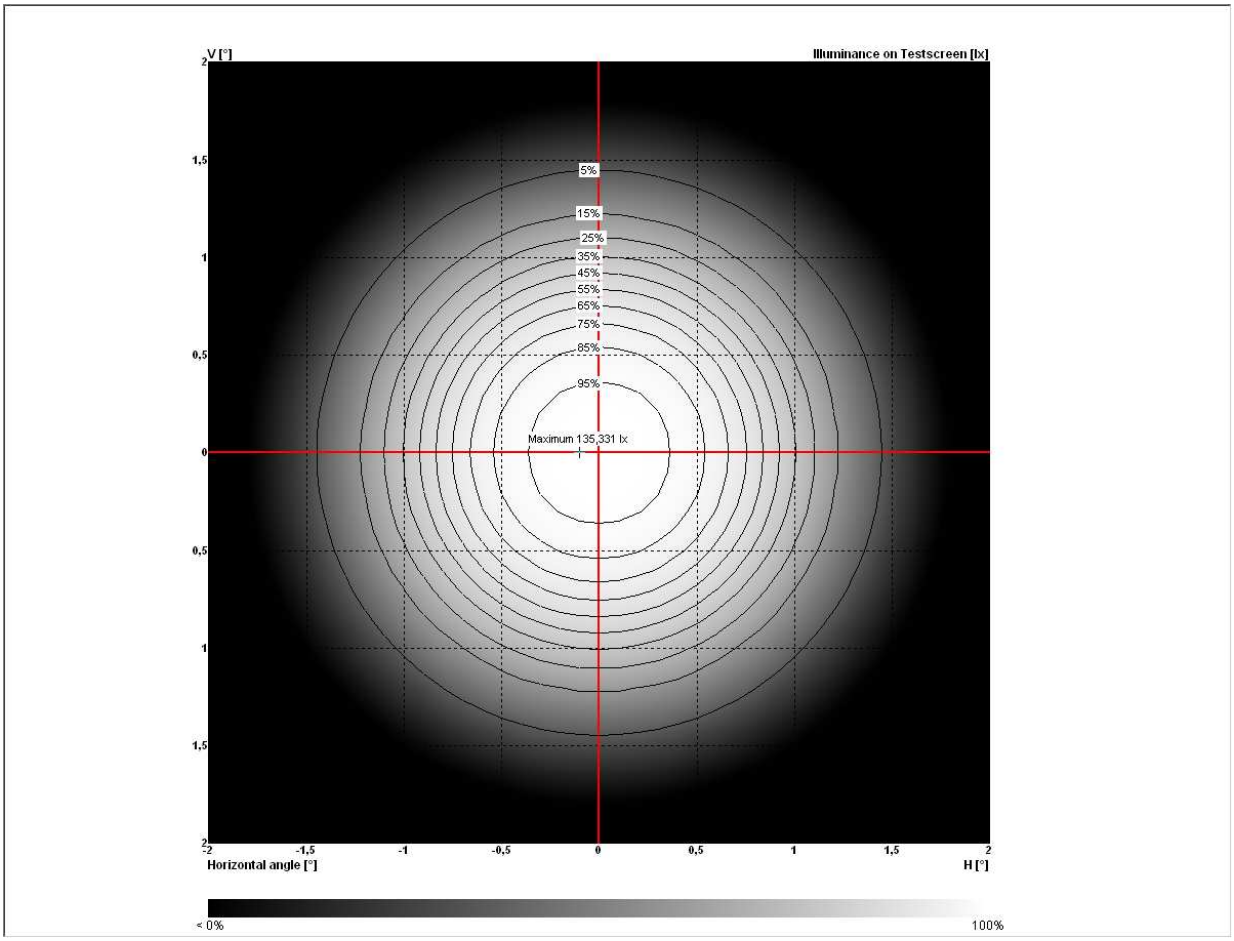
Red



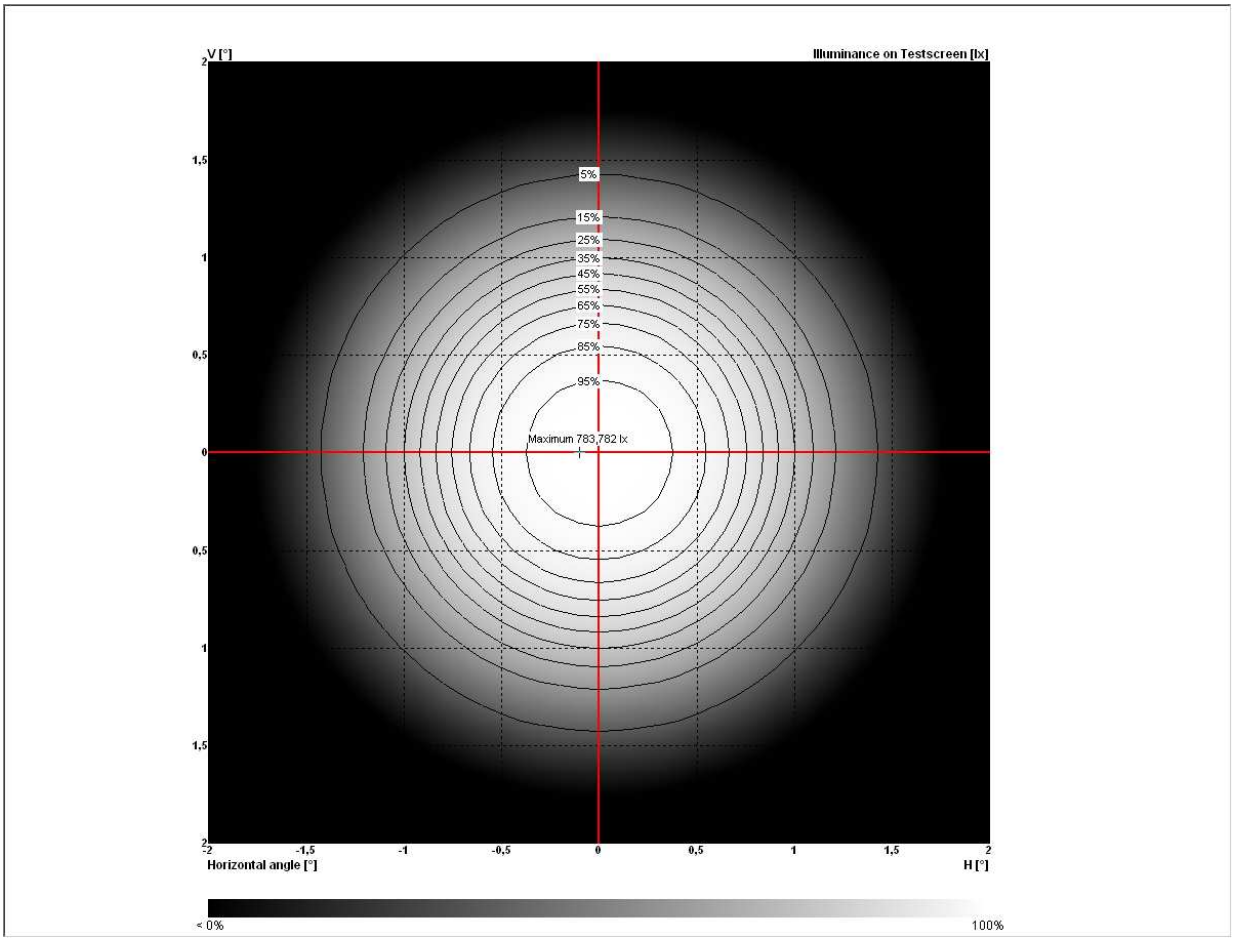
Green


V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 1270,994 lx
Horizontal angle [°]
H [°]
< 0%
100%

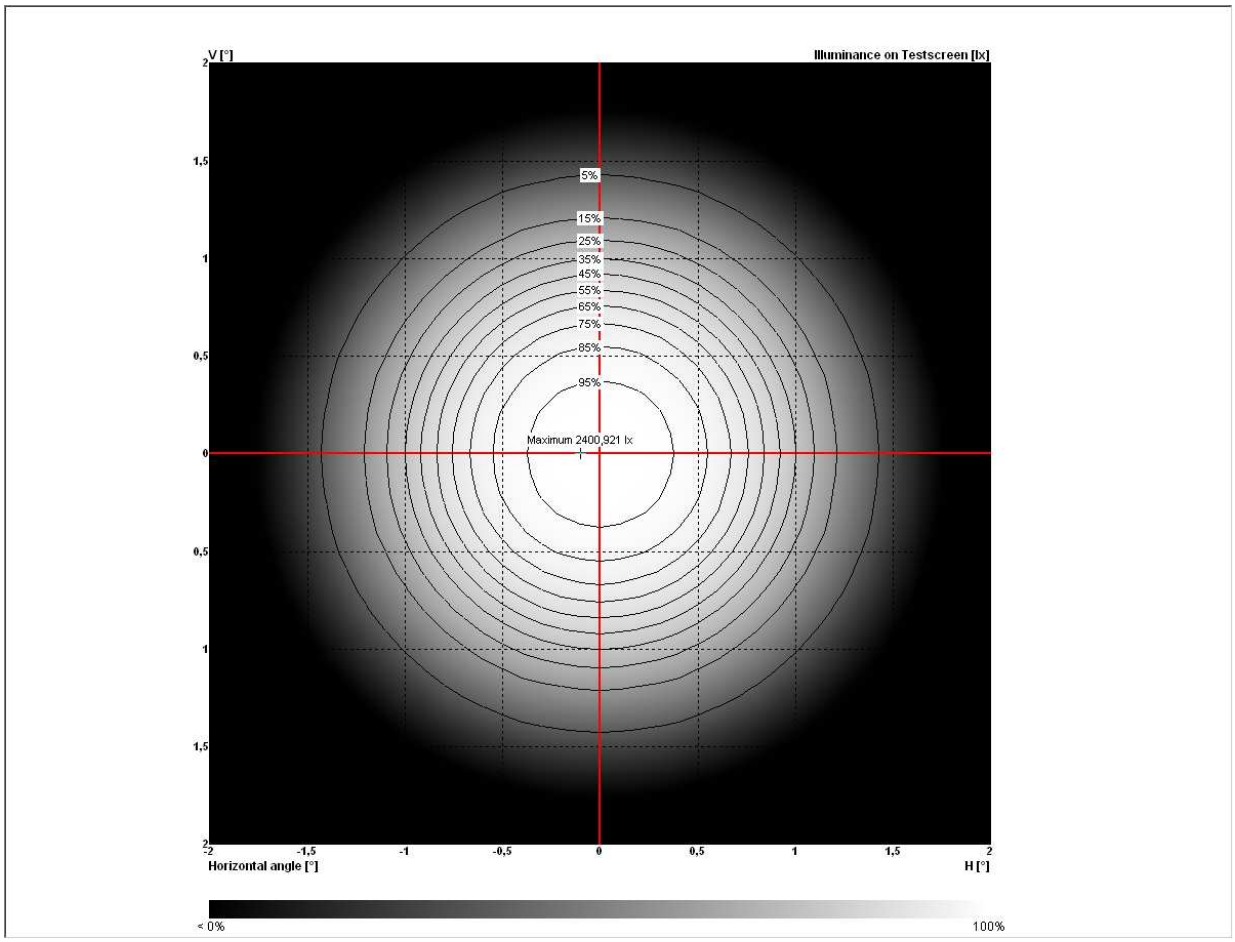
Blue


V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 135,331 lx
Horizontal angle [°]
H [°]
< 0%
100%

White

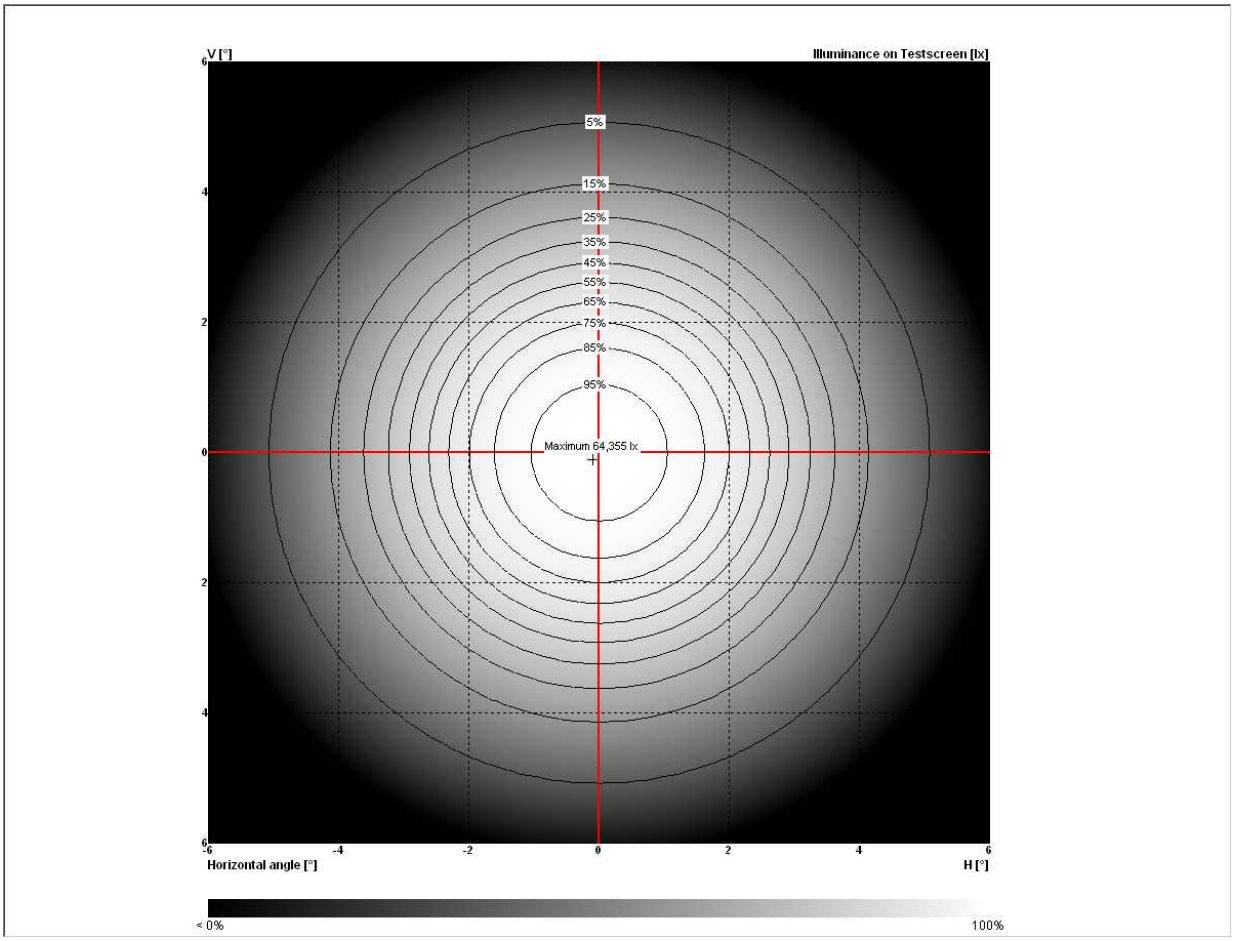

V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 783,782 lx
2
1,5
1
0,5
0
0,5
1
1,5
2
-2
-1,5
-1
-0,5
0
0,5
1
1,5
2
Horizontal angle [°]
H [°]
< 0%
100%

Full on

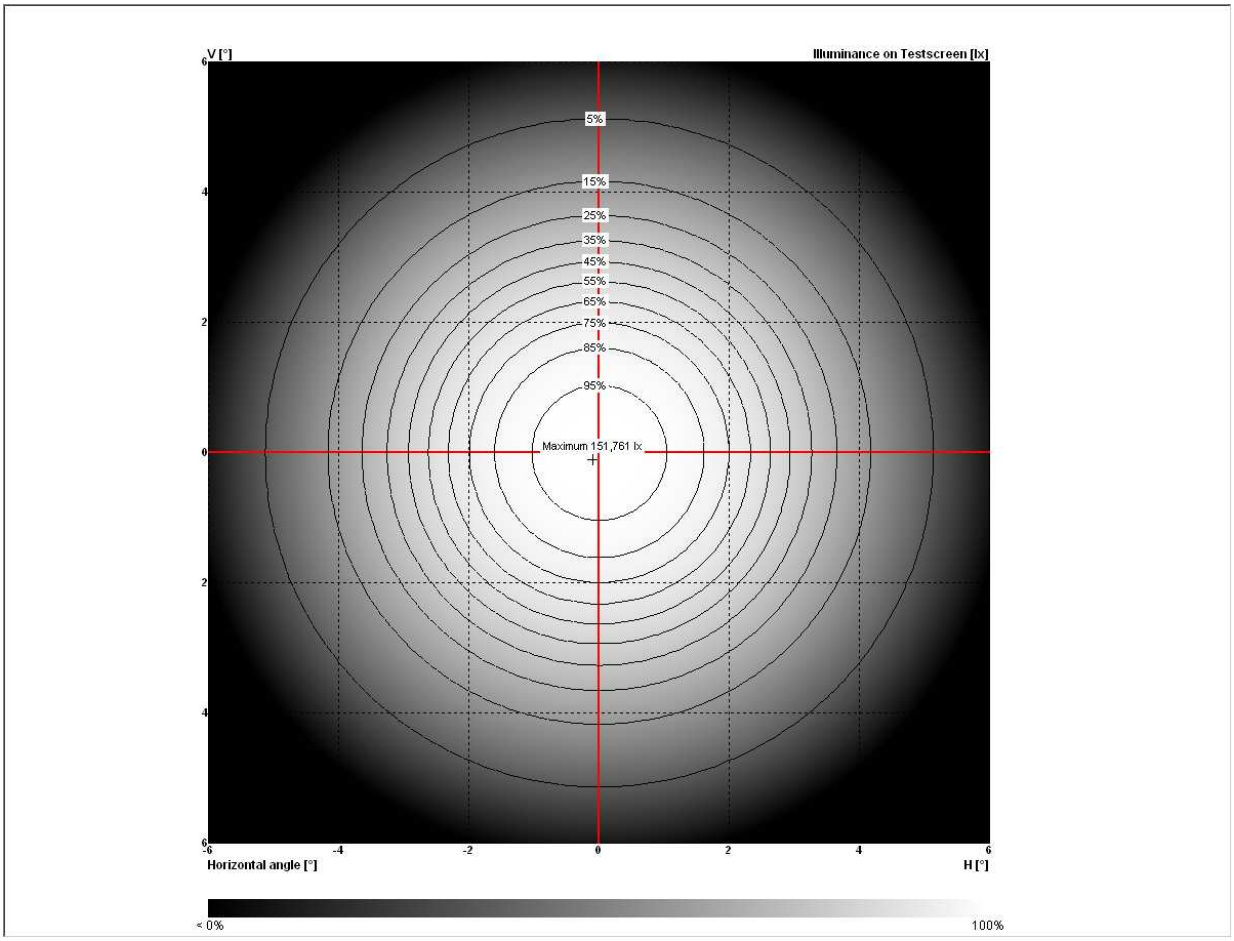

V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 2400,921 lx
Horizontal angle [°]
H [°]
< 0%
100%

Wide

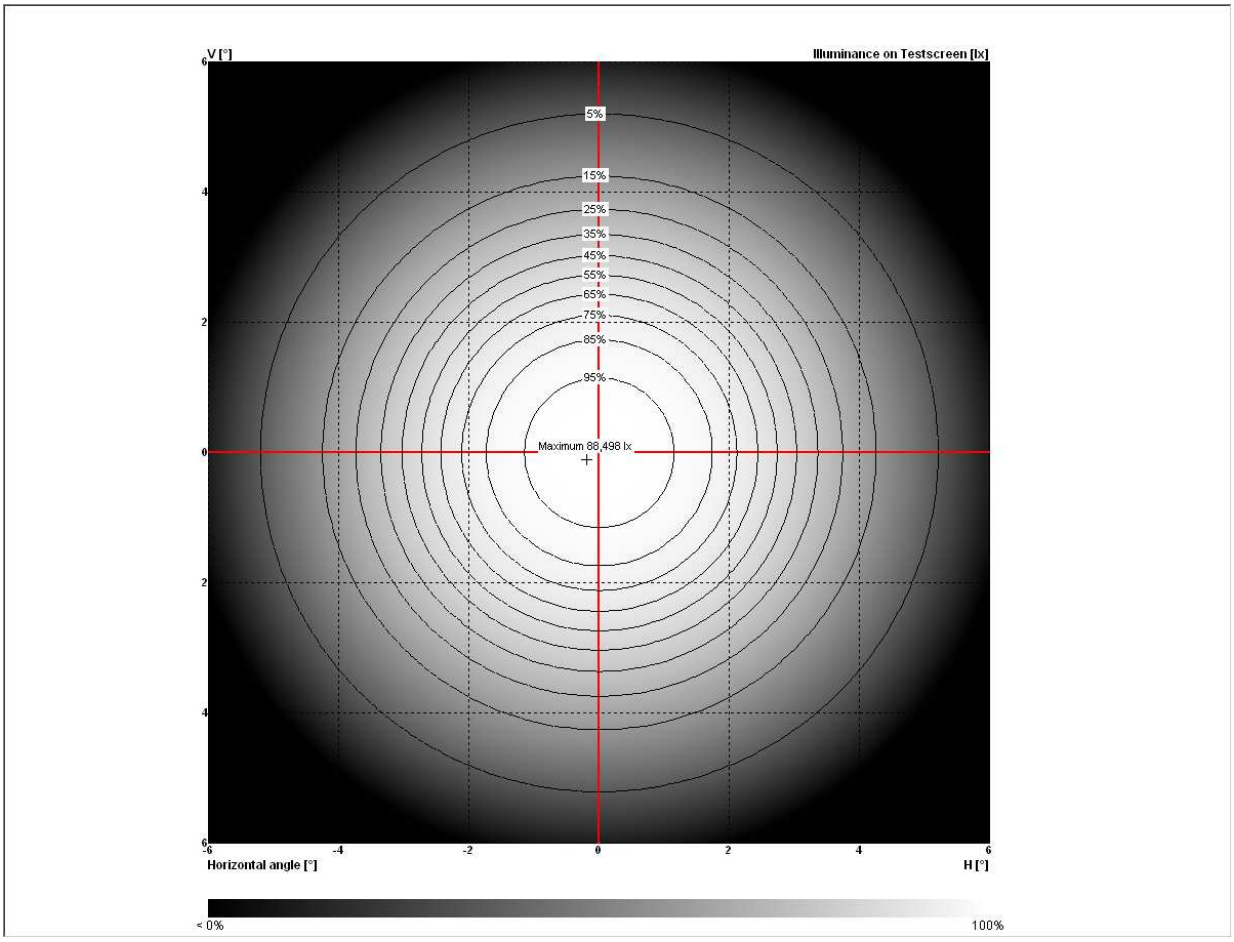
Red


V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 64,355 lx
Horizontal angle [°]
H [°]
< 0%
100%

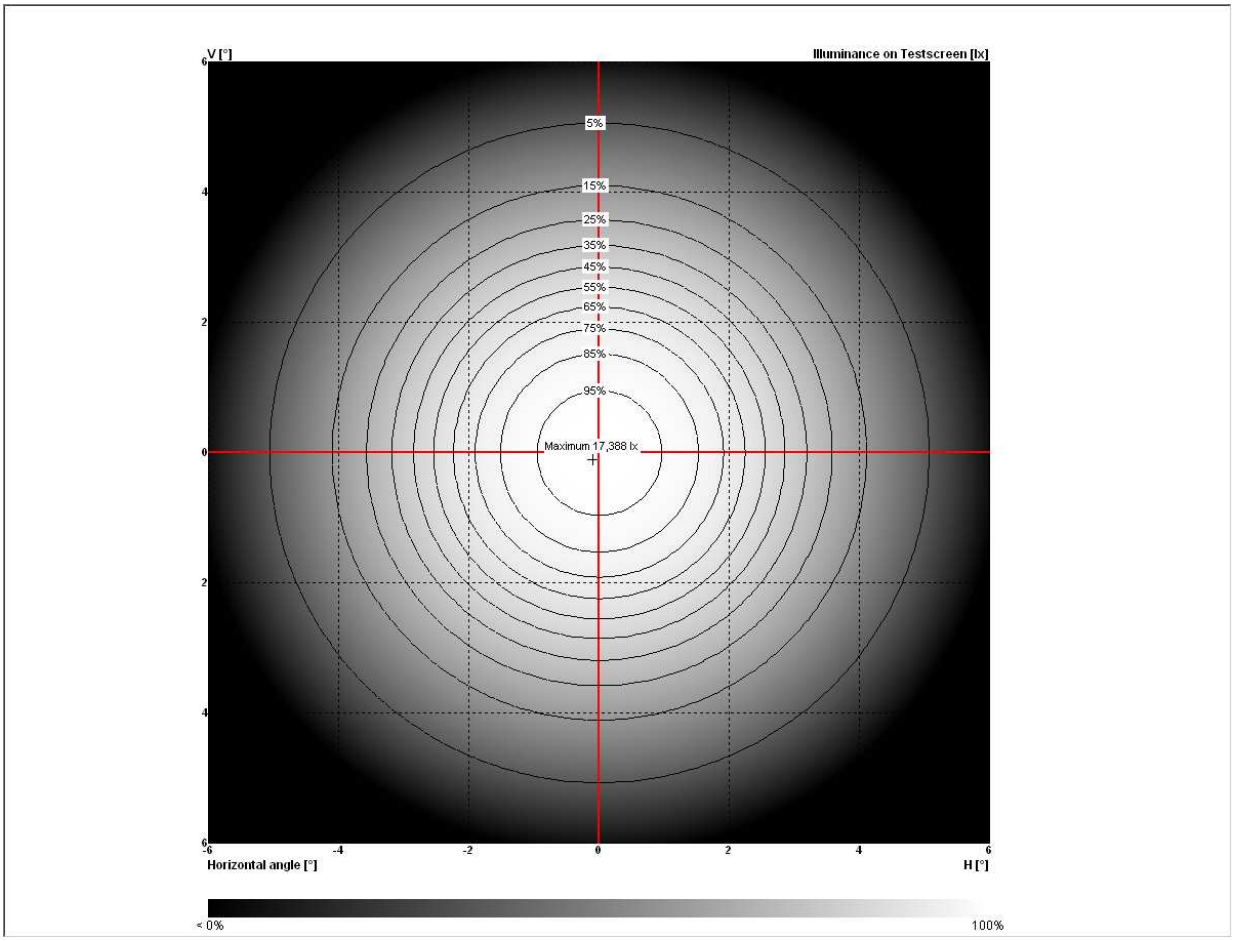
Green


V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 151,761 lx
6
4
2
0
2
4
6
-6
-4
-2
0
2
4
6
Horizontal angle [°]
H [°]
< 0%
100%

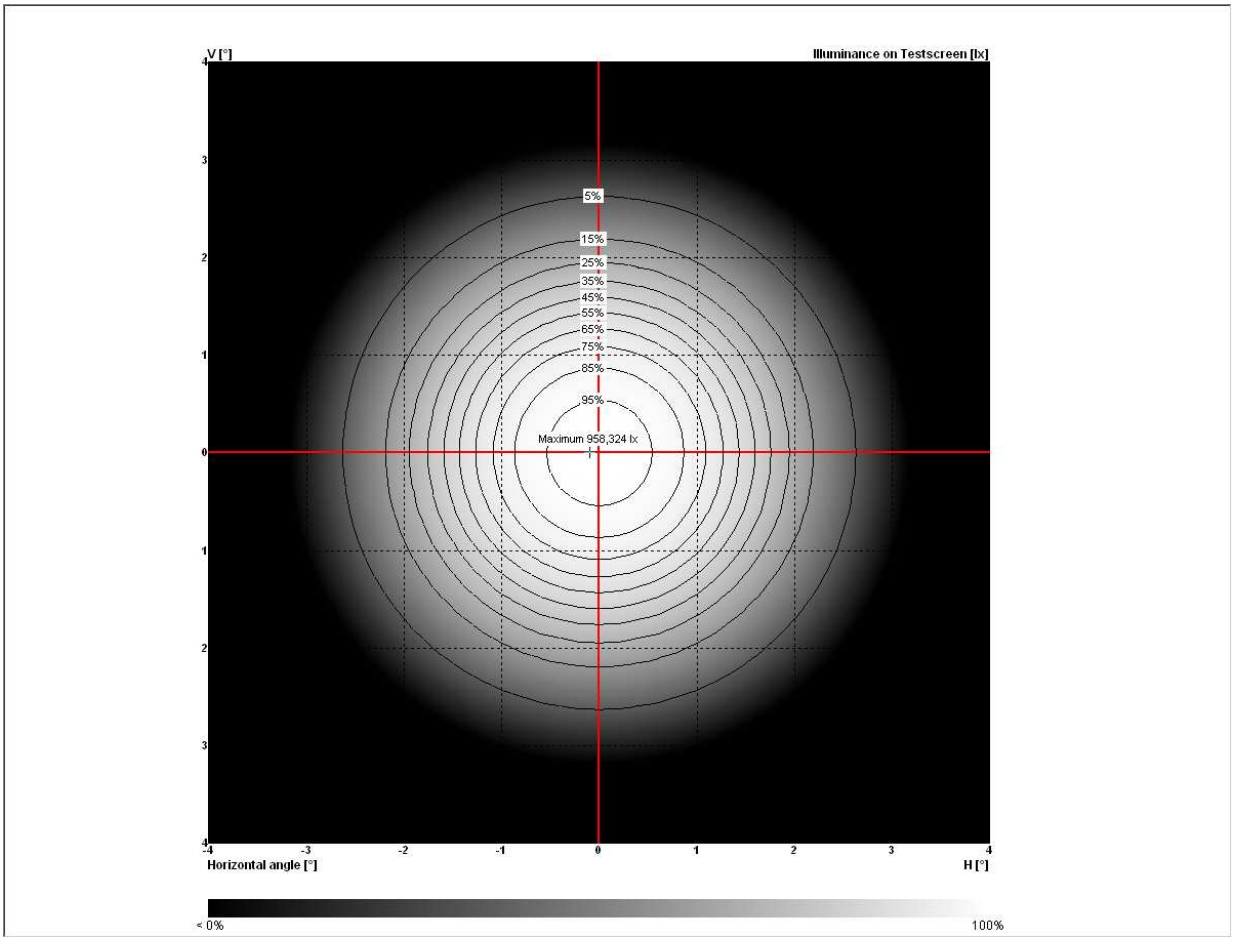
Blue


V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 88,498 lx
6
4
2
0
2
4
6
-6
-4
-2
0
2
4
6
Horizontal angle [°]
H [°]
< 0%
100%

White

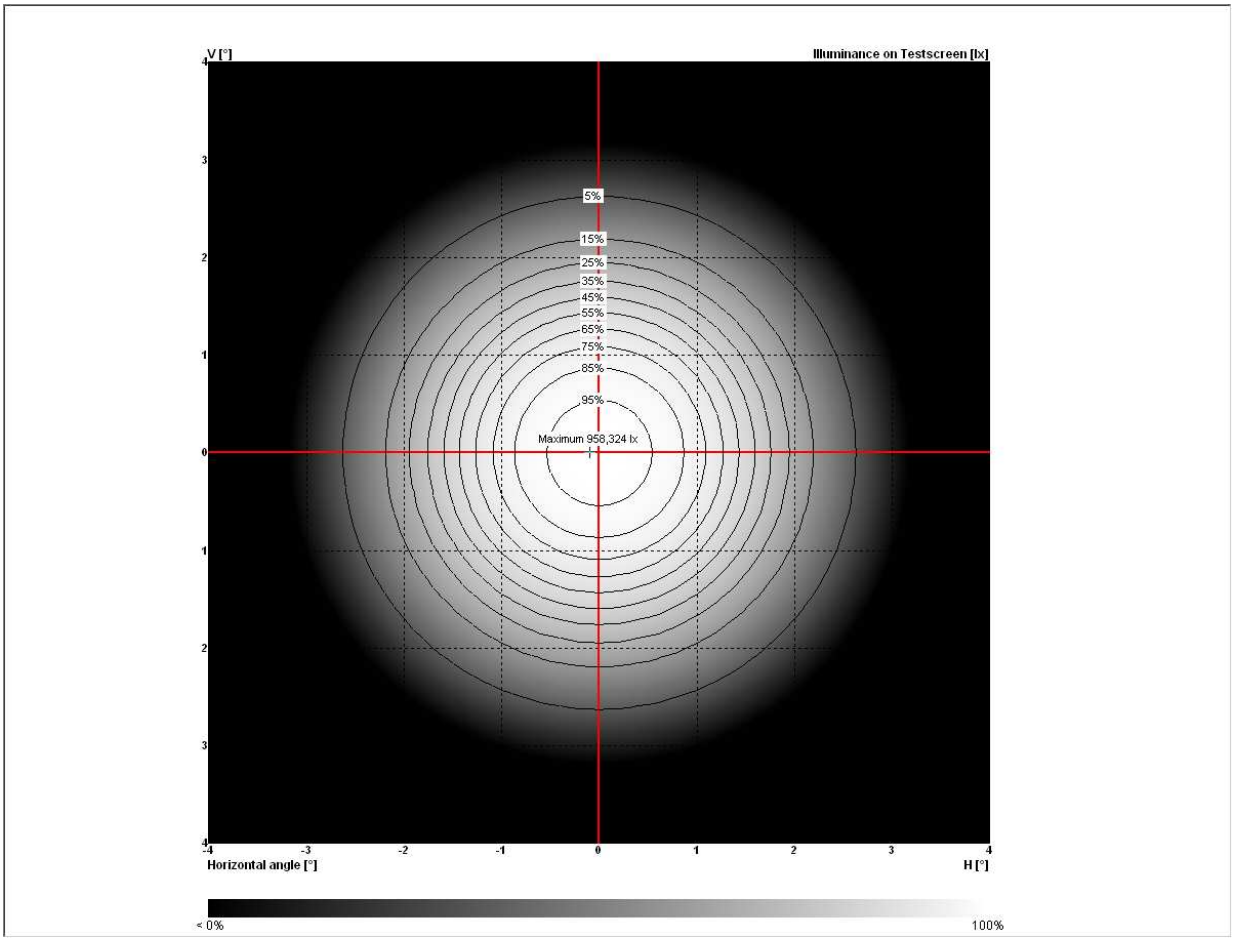

V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 17,388 lx
6
4
2
0
2
4
6
-6
-4
-2
0
2
4
6
Horizontal angle [°]
H [°]
< 0%
100%

Full on


V [°]
Illuminance on Testscreen [lx]
5%
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 958,324 lx
Horizontal angle [°]
H [°]
< 0%
100%

Center

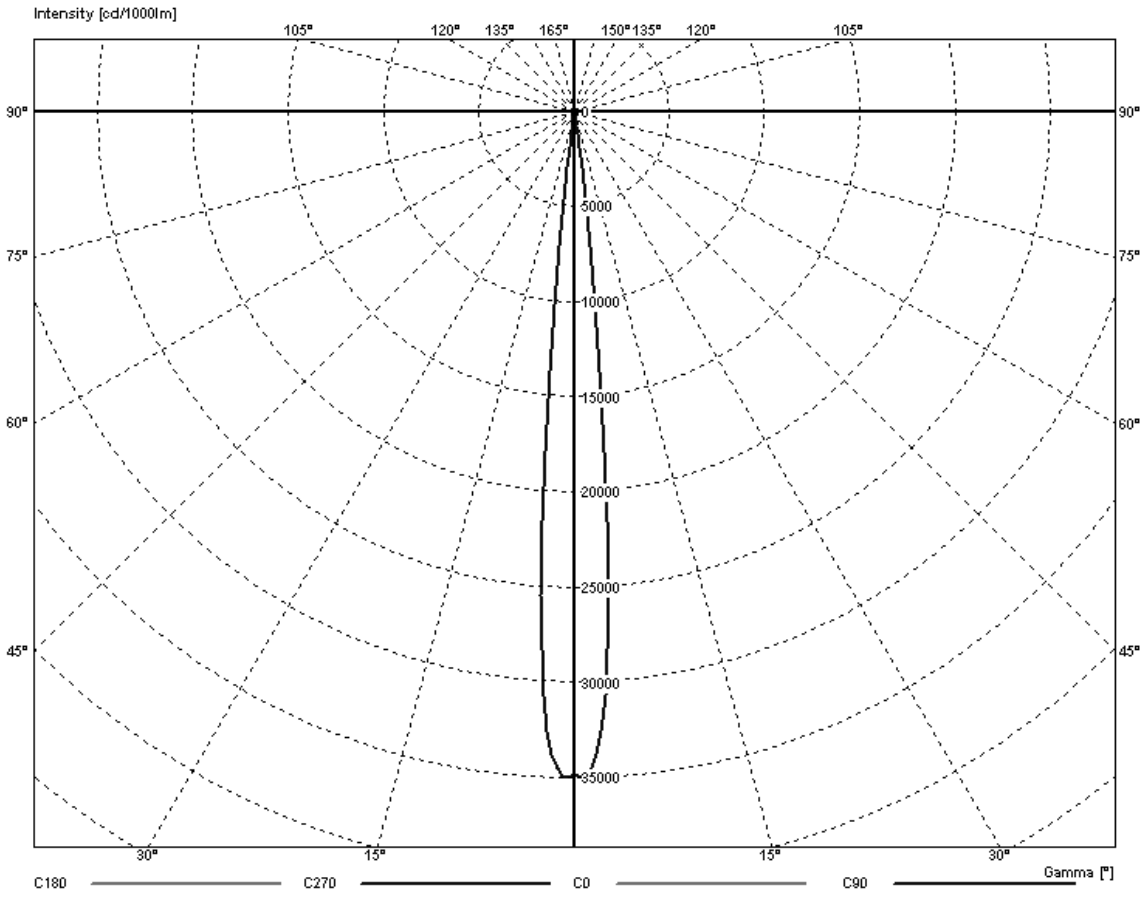
Full on



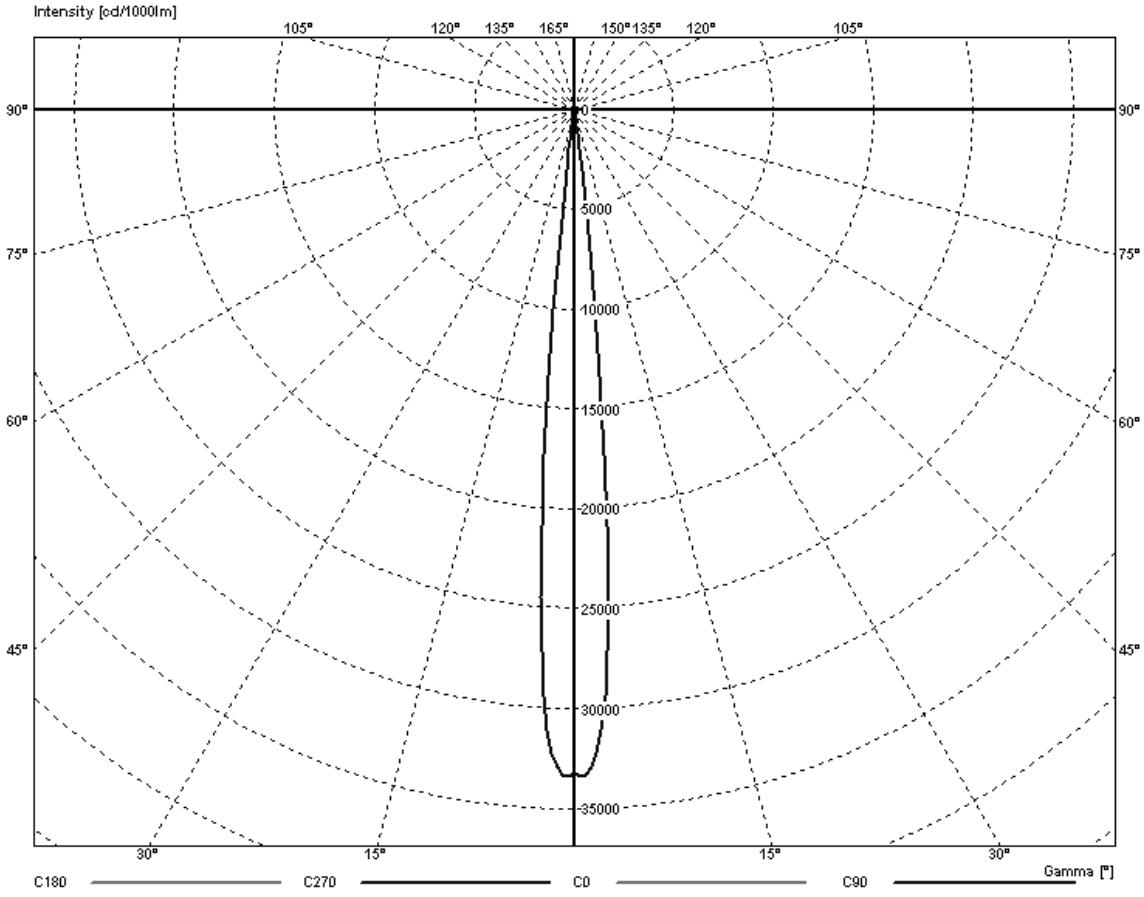
Polarcurve diagrams:

Narrow

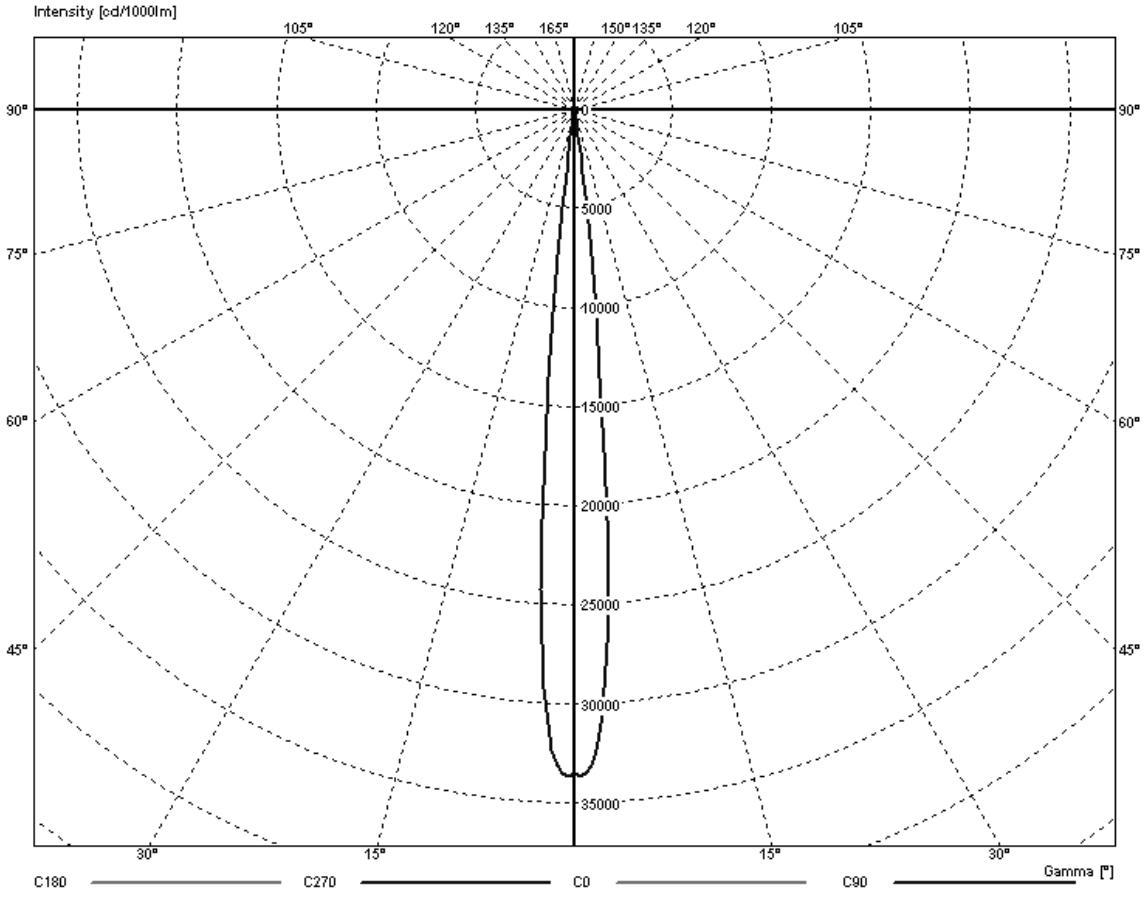
Red



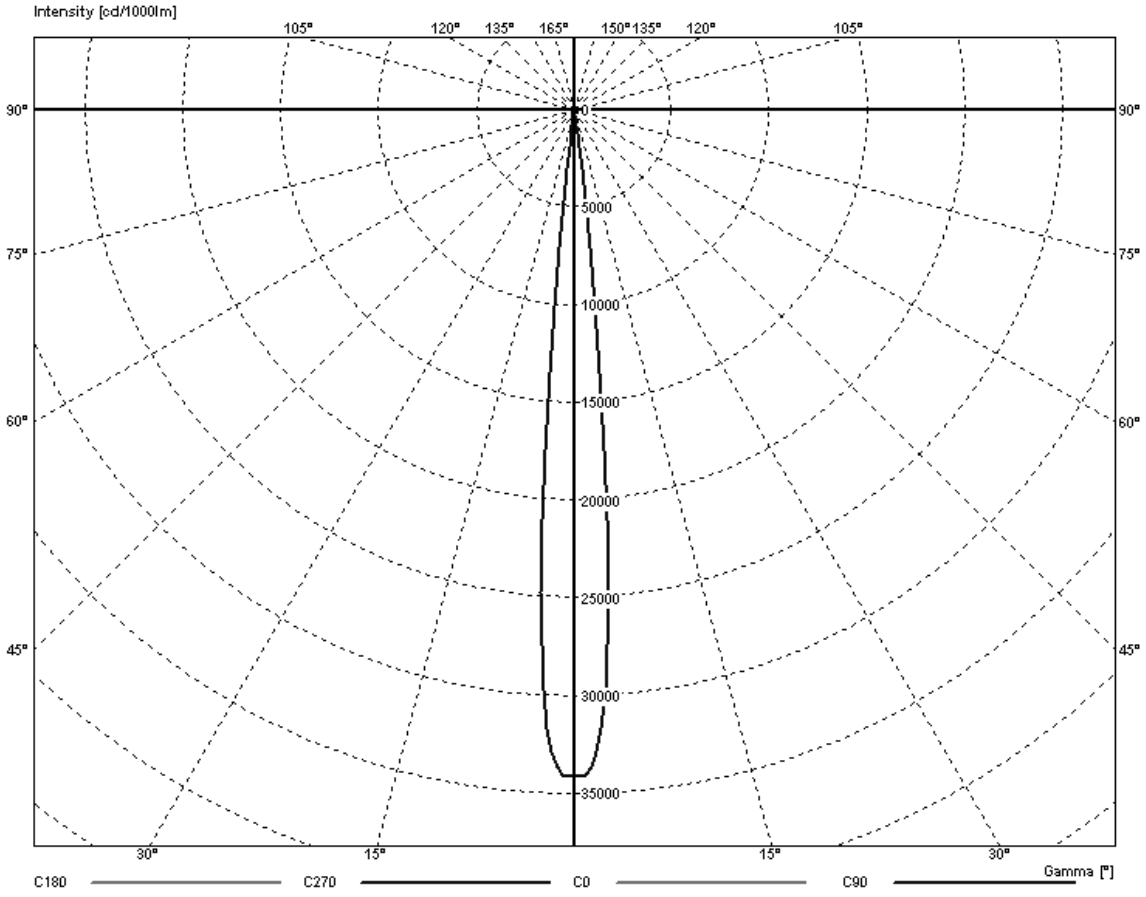
Green


Intensity [cd/1000lm]
105°
120°
135°
150°
165°
180°
90°
75°
60°
45°
5000
10000
15000
20000
25000
30000
35000
30°
15°
Gamma [°]
C180
C270
C0
C90

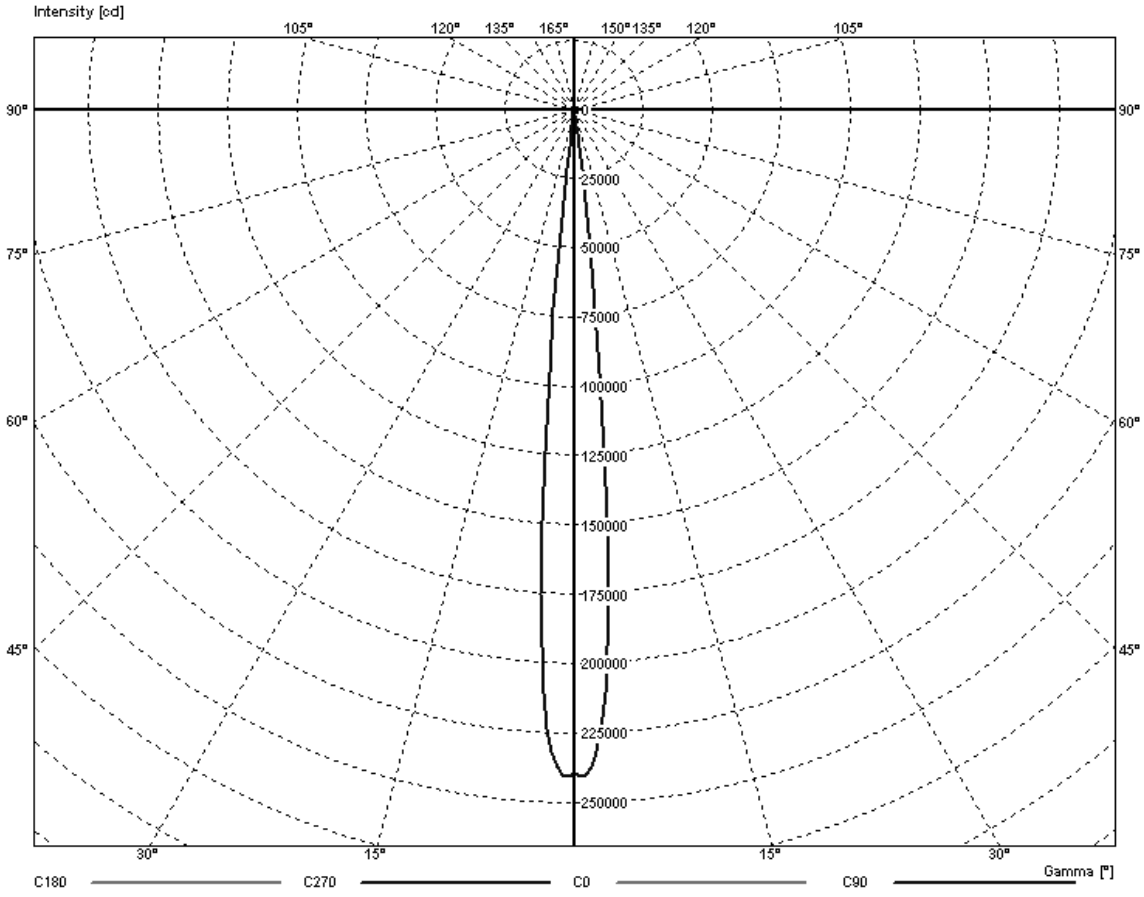
Blue


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
0
5000
10000
15000
20000
25000
30000
35000
30°
15°
15°
30°
Gamma [°]
C180
C270
C0
C90

White

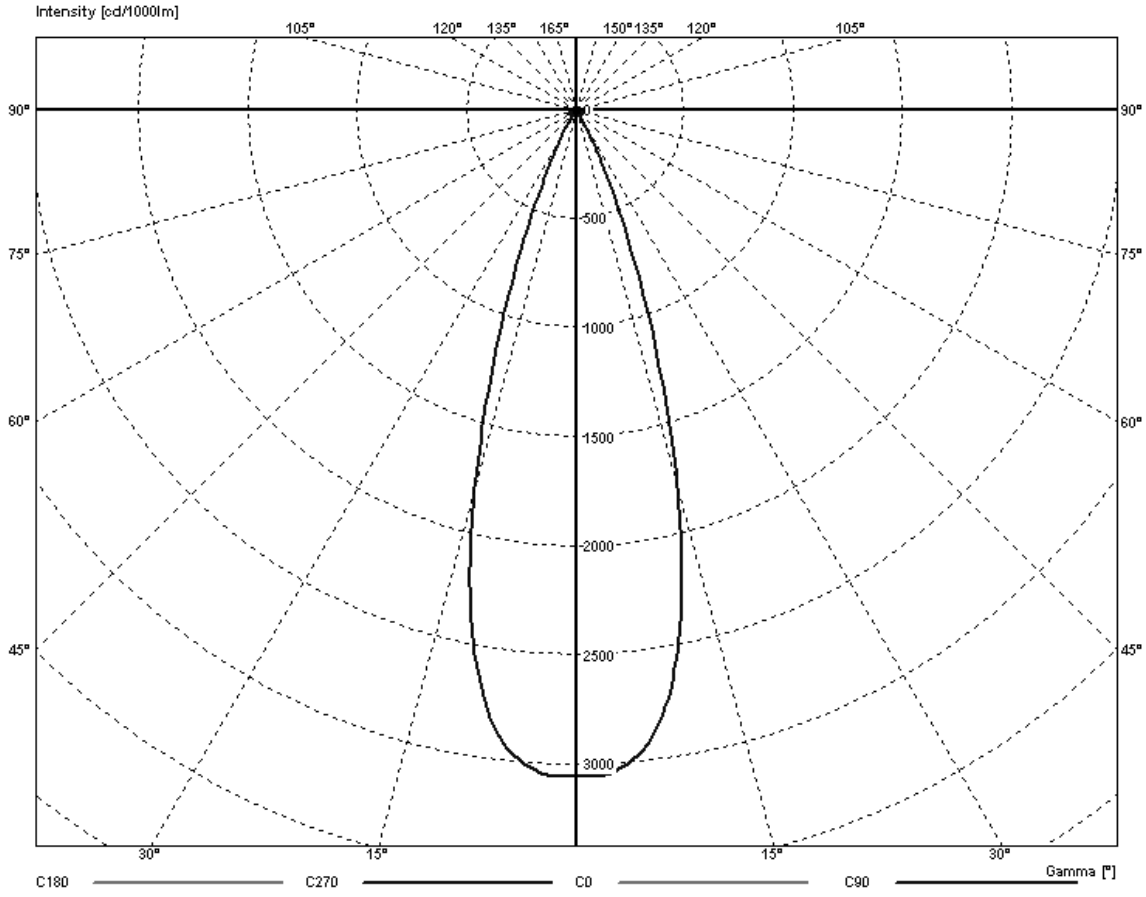

Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
0
5000
10000
15000
20000
25000
30000
35000
30°
15°
15°
30°
Gamma [°]
C180
C270
C0
C90

Full on

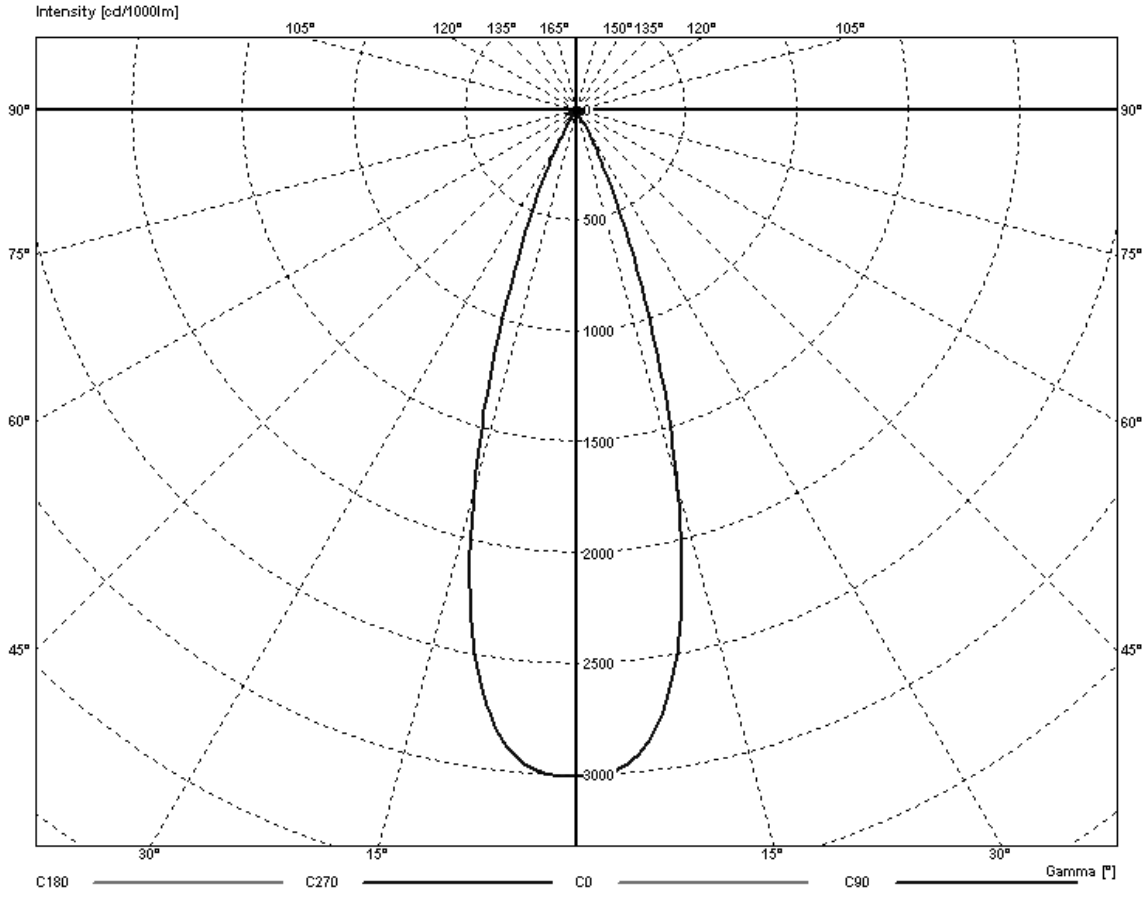

Intensity [cd]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
0
25000
50000
75000
100000
125000
150000
175000
200000
225000
250000
30°
15°
15°
30°
Gamma [°]
C180
C270
C0
C90

Wide

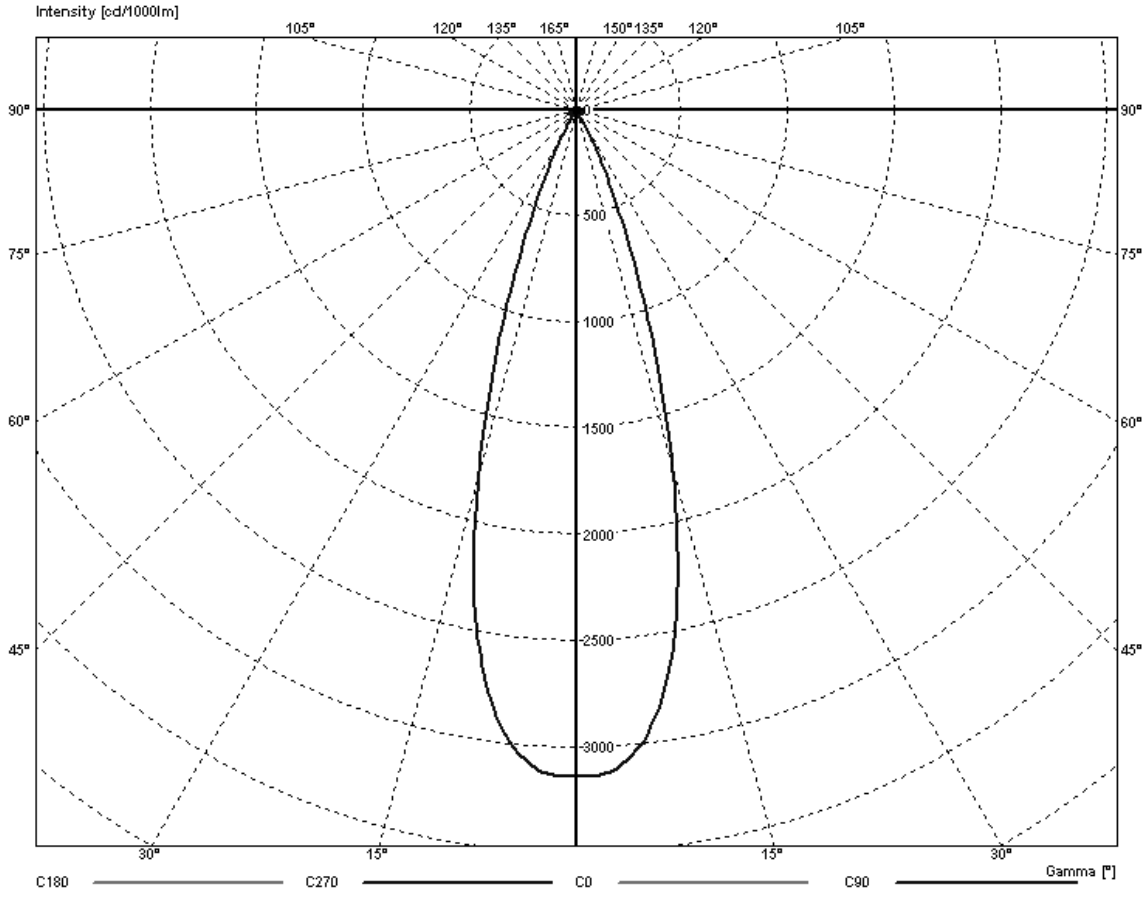
Red


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
500
1000
1500
2000
2500
3000
30°
15°
15°
30°
C180
C270
C0
C90
Gamma [°]

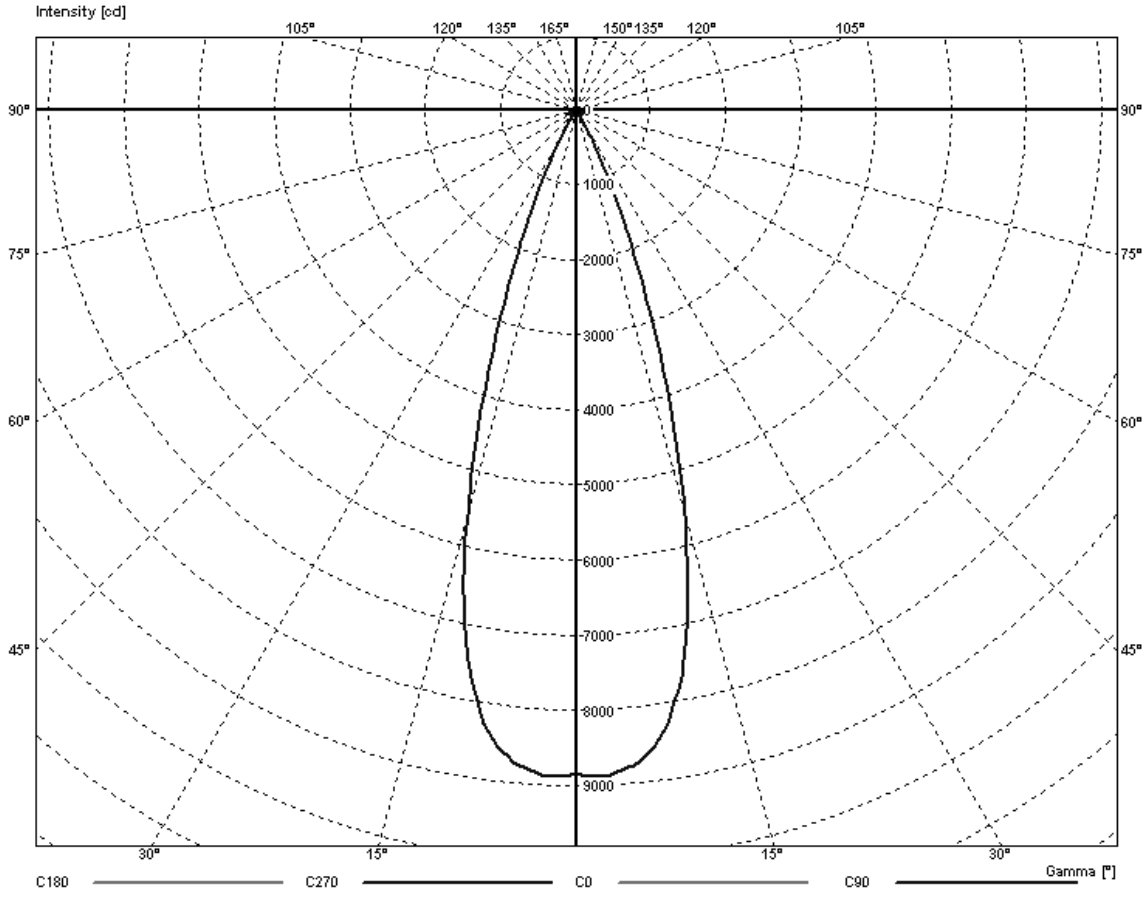
Green


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
500
1000
1500
2000
2500
3000
30°
15°
15°
30°
C180
C270
C0
C90
Gamma [°]

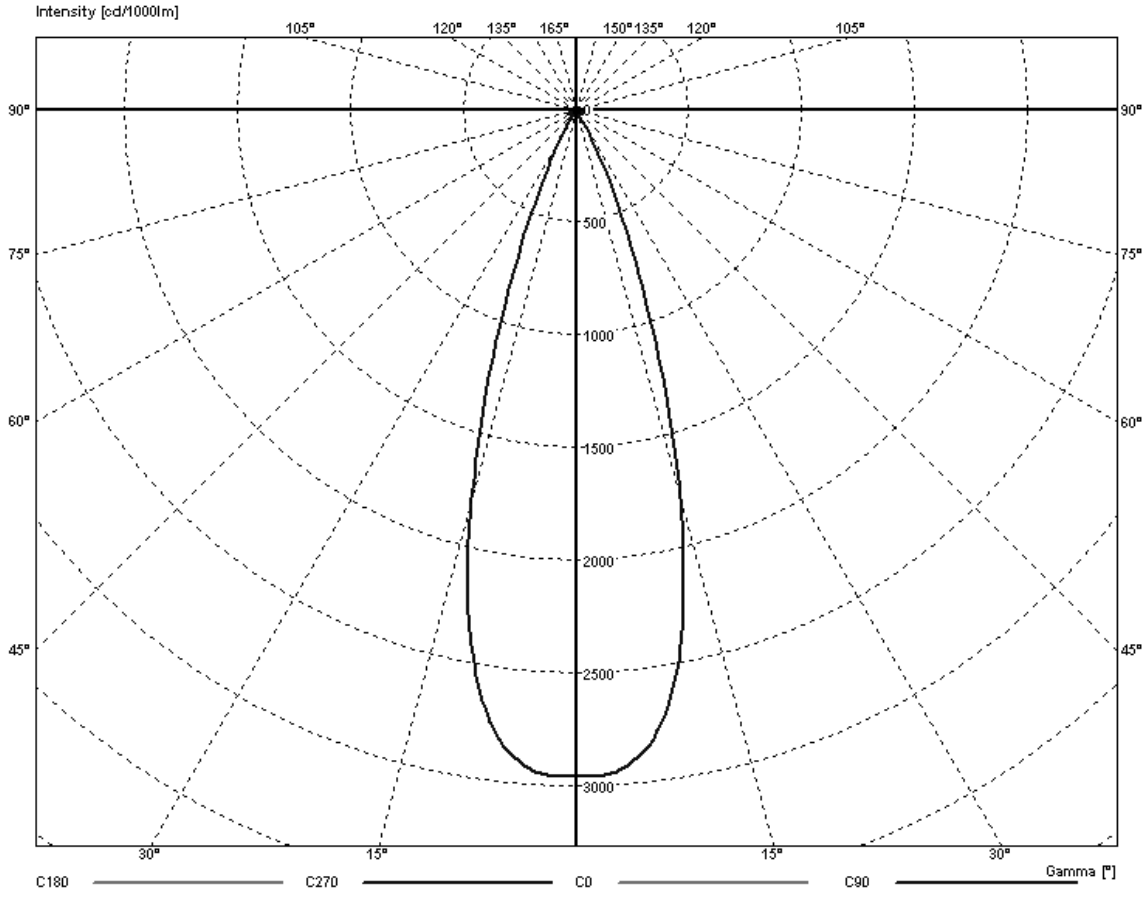
Blue


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
500
1000
1500
2000
2500
3000
30°
15°
15°
30°
C180
C270
C0
C90
Gamma [°]

White


Intensity [cd]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
1000
2000
3000
4000
5000
6000
7000
8000
9000
30°
15°
15°
30°
C180
C270
C0
C90
Gamma [°]

Full on


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
500
1000
1500
2000
2500
3000
30°
15°
15°
30°
C180
C270
C0
C90
Gamma [°]

Center

Full on