

Photometric Report

Furion S602 Spot (zoom min), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	15382 Lumen
Peak Intensity:	1692211 candela
Illuminance @ 5m:	67649 lx
CRI:	71,3
CCT:	6858 K

Optical

Beam Angle (50%)	6,3 °
Field Angle (10%)	6,9 °
Cut-off Angle (2,5%)	7,1 °

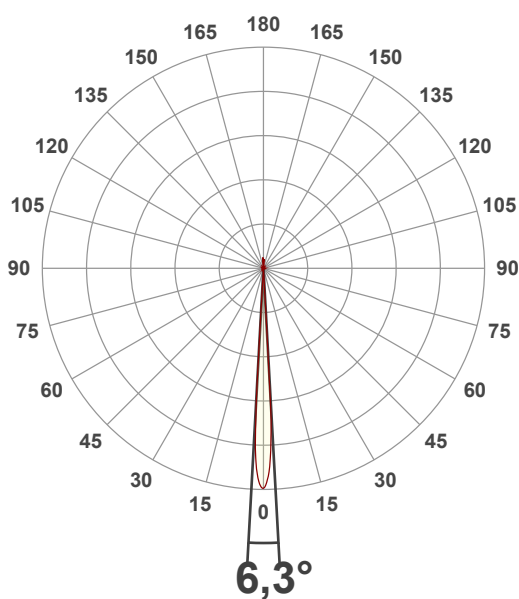
Conditions:

Power Supply:	223 V
Power:	789,1 W
Current:	3,62 A
Power Factor:	0,98

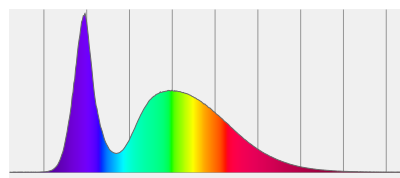


MEASUREMENTS

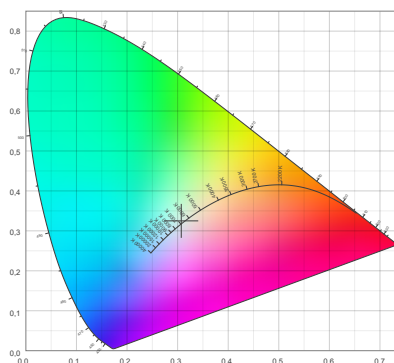
Angular Beam Distribution



Spectral Distribution



CIE 1931

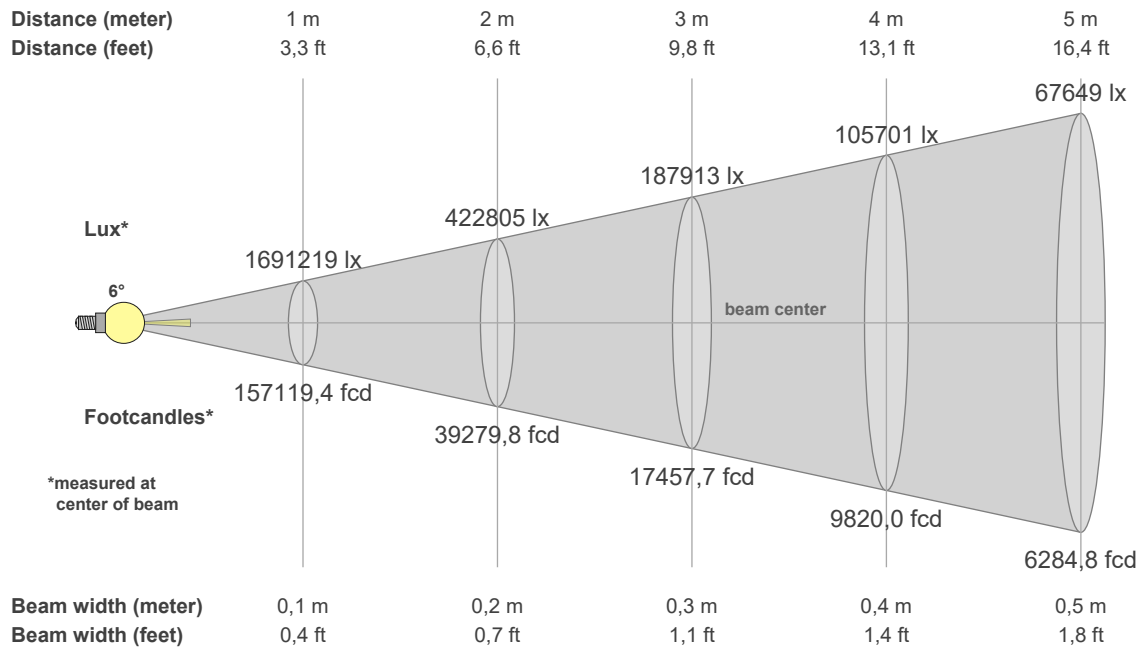


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BEAM DETAILS

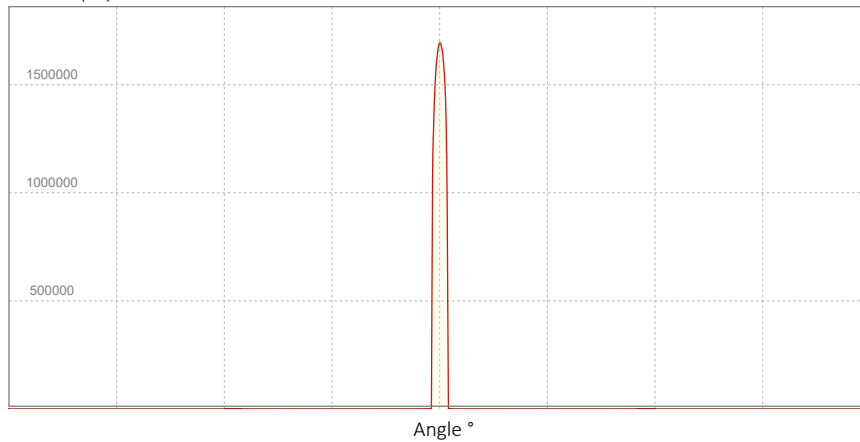


Beam Illuminances from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
1691219lx	422805lx	187913lx	105701lx	67649lx	46978lx	34515lx	26425lx	20879lx	16912lx	13977lx	11745lx	10007lx	8629lx	7517lx	6606lx	5852lx	5220lx	4685lx	4228lx
157119,4fcd	39279,8fcd	17457,7fcd	9820fcd	6284,8fcd	4364,4fcd	3206,5fcd	2455fcd	1939,7fcd	1571,2fcd	1298,5fcd	1091,1fcd	929,7fcd	801,6fcd	698,3fcd	613,7fcd	543,7fcd	484,9fcd	435,2fcd	392,8fcd

Candela (cd)

Linear Distribution Diagram



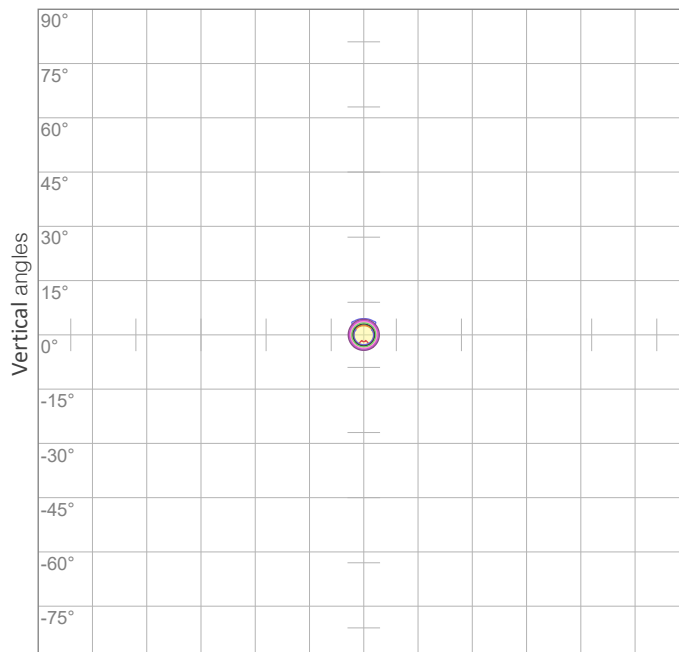
Beam Angle (50%): 6,3 °
Field Angle (10%): 6,9 °
Cutoff Angle (3%): 7,1 °

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POLAR DIAGRAMS



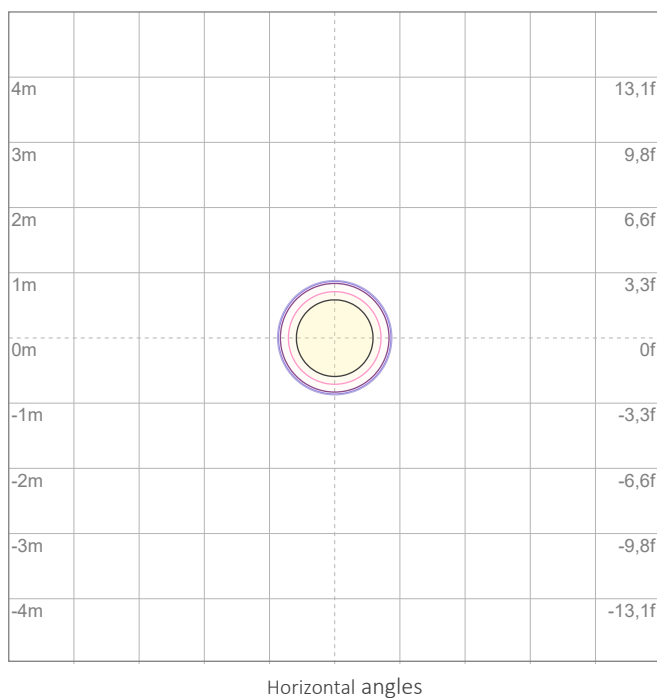
ISO candela diagram

10%	169122 cd
20%	338244 cd
30%	507366 cd
40%	676488 cd
50%	845609 cd
60%	1014731 cd
70%	1183853 cd

Conditions:

Number of c-planes: 2

Candela at center: 1691219 cd



ISO lux diagram

3%	507 lx
5%	846 lx
10%	1691 lx
30%	5074 lx
50%	8456 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,9K lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

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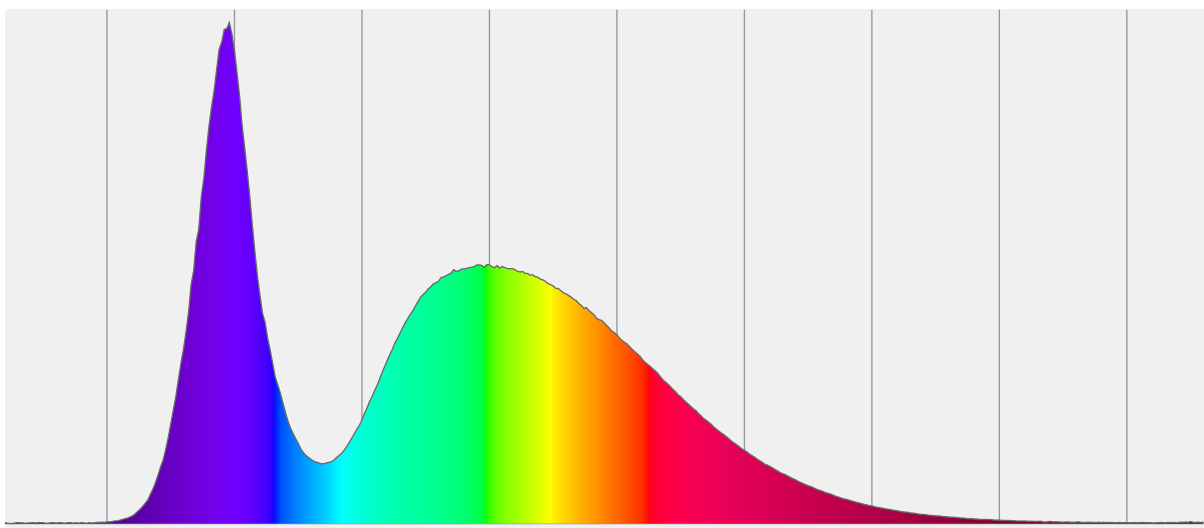
CHROMATICITY REPORT

Total Lumens: 15382 lm
Peak Intensity: 1692211 cd
Fixture Efficiency: 19 Lumen/Watt

Color Temperature: 6858 K
CRI: 71,3
CRI R9: -29,3
CQS: 70,2
TM-30 Rf: 72,3
TM-30 Rg: 94,3
 Δuv : 0,0008
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 549 nm



Spectral Distribution



Color

6858 K
CIE 1931 Coordinates:
X: 0,307 Y: 0,325

Color Temperature

6858 K

CRI

71,3

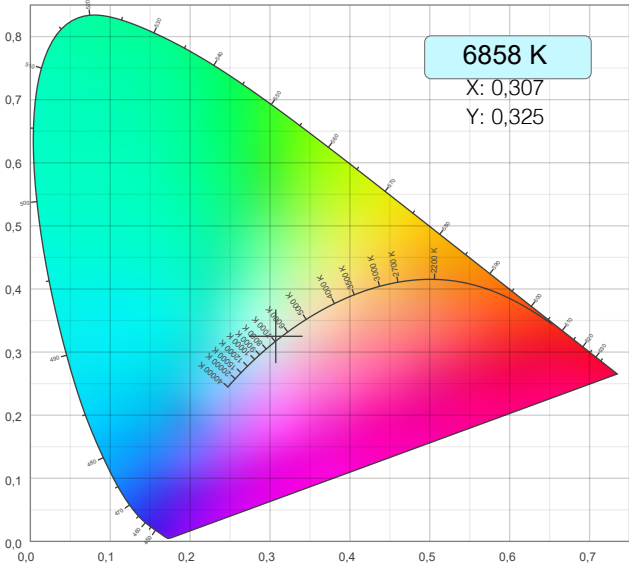
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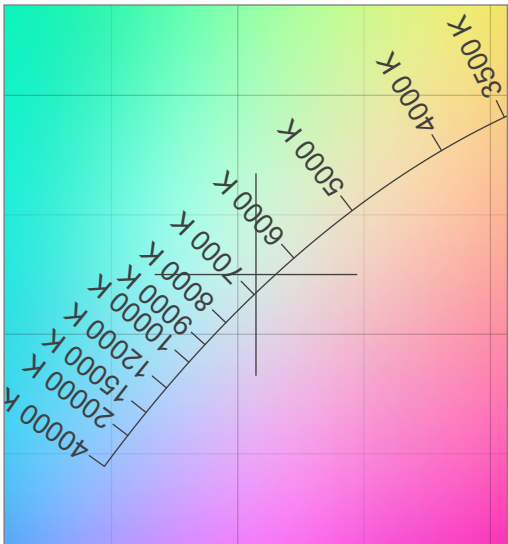


CHROMATICITY

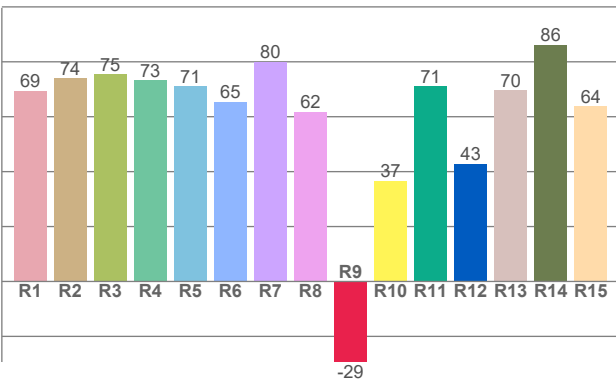
CIE 1931



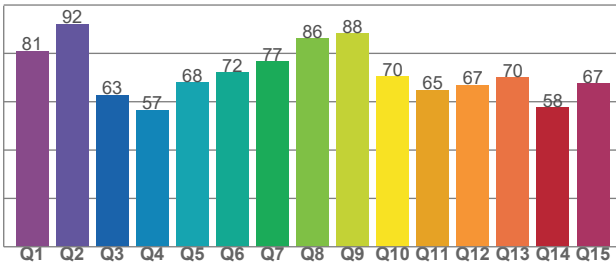
CIE 1931 - Detail



CRI: 71,3 (R1-R8)



CQS: 70,2



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TM-30-18 DETAILS

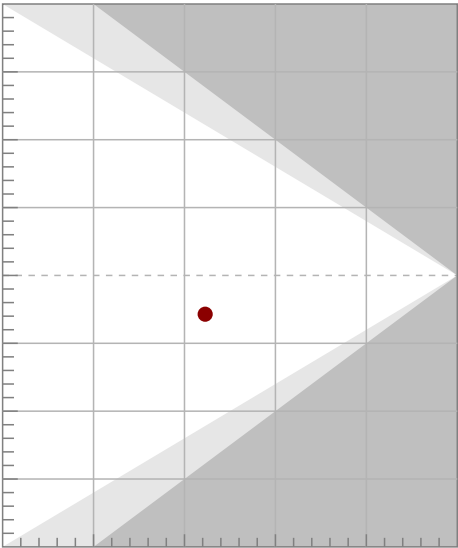
Rf 72,3

Fidelity index Rf

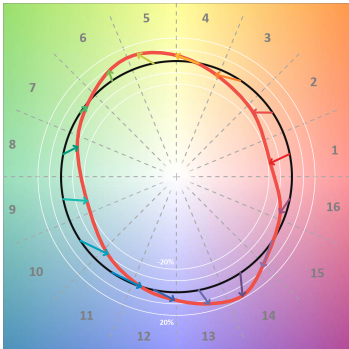
Rg 94,3

Gamut index Rg

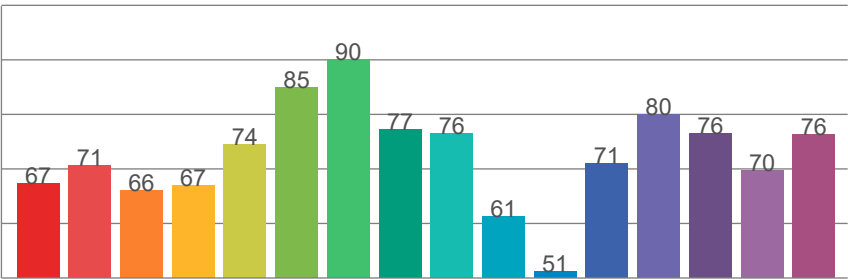
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	67	-18%	-4%
2	71	-14%	9%
3	66	-7%	21%
4	67	3%	20%
5	74	11%	12%
6	85	9%	-2%
7	90	-2%	-7%
8	77	-11%	-9%
9	76	-20%	5%
10	61	-13%	22%
11	51	-4%	27%
12	71	5%	19%
13	80	14%	6%
14	76	18%	-9%
15	70	5%	-23%
16	76	-5%	-13%



TM30-18 Color Vectors



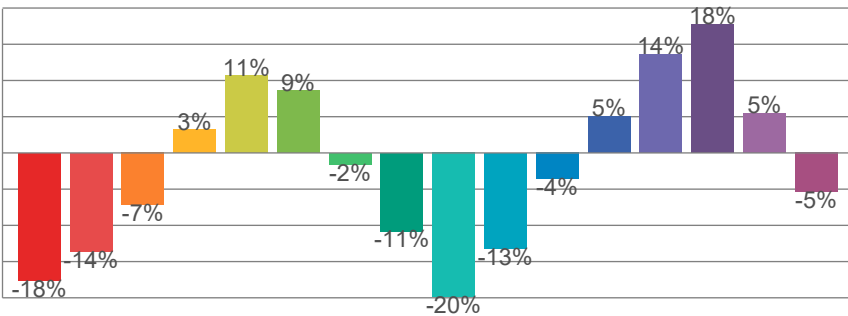
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

