

Photometric Report

Furion S602 Spot (zoom - iris min), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	1547 Lumen
Peak Intensity:	752294 candela
Illuminance @ 5m:	30038 lx
CRI:	69,1
CCT:	6573 K

Optical

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

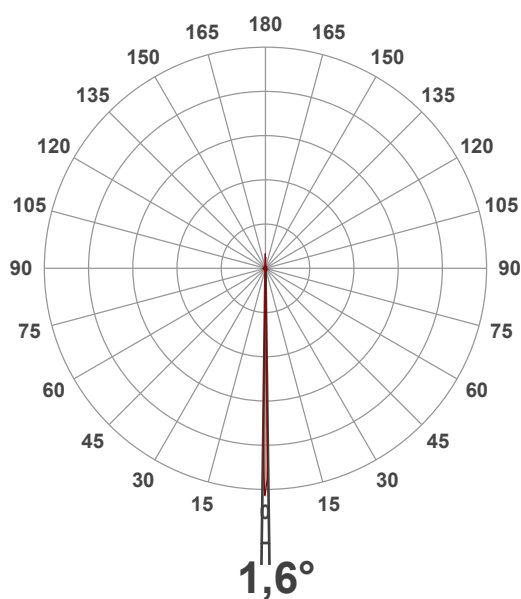
Conditions:

Power Supply:	225 V
Power:	375,5 W
Current:	1,76 A
Power Factor:	0,95

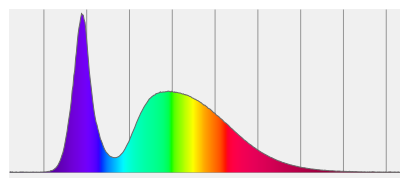


MEASUREMENTS

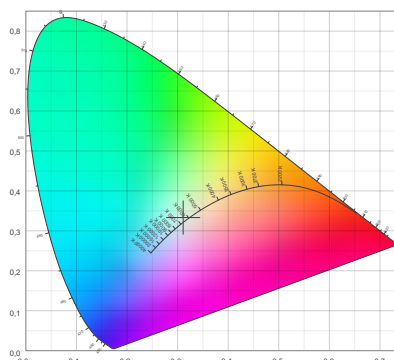
Angular Beam Distribution



Spectral Distribution



CIE 1931

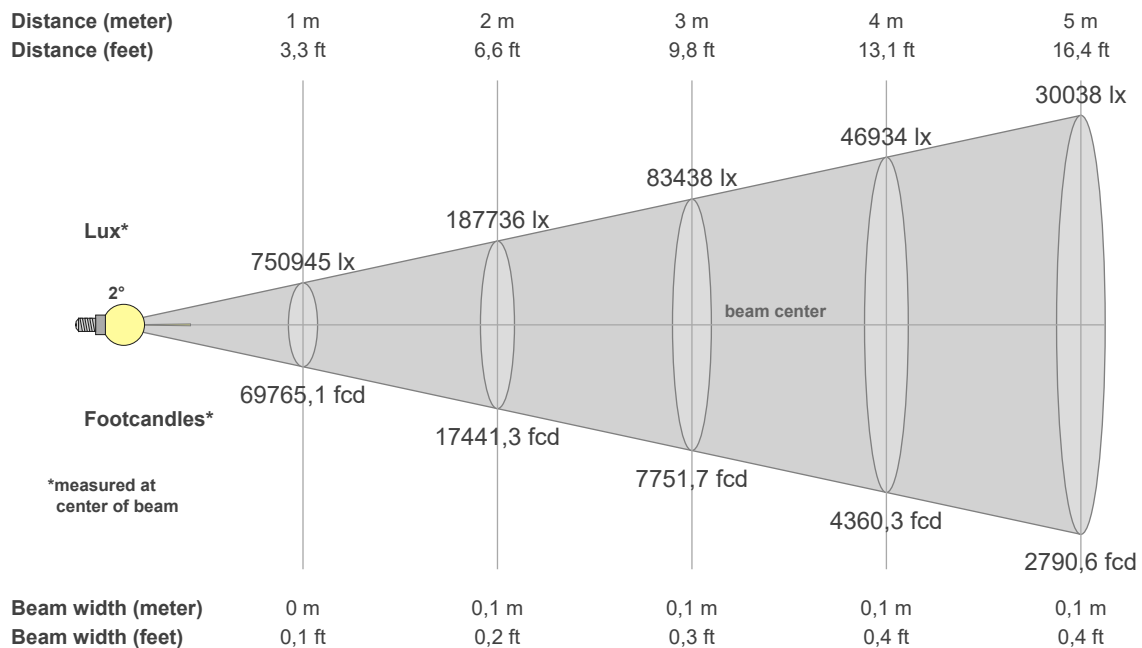


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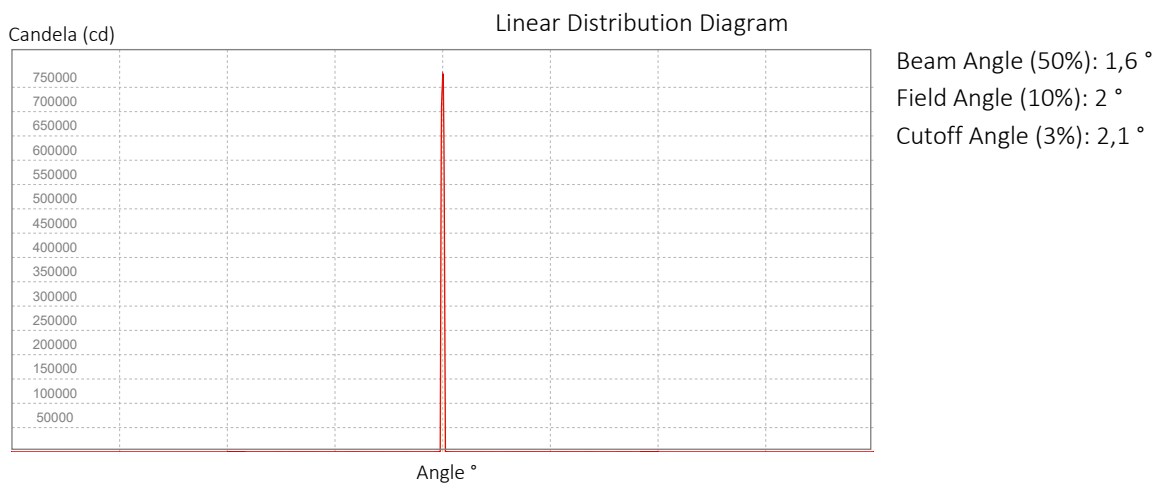
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BEAM DETAILS



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
750945lx	187736lx	83438lx	46934lx	30038lx	20860lx	15325lx	11734lx	9271lx	7509lx	6206lx	5215lx	4443lx	3831lx	3338lx	2933lx	2598lx	2318lx	2080lx	1877lx
69765,1fcd	17441,3fcd	7751,7fcd	4360,3fcd	2790,6fcd	1937,9fcd	1423,8fcd	1090,1fcd	861,3fcd	697,7fcd	576,6fcd	484,5fcd	412,8fcd	355,9fcd	310,1fcd	272,5fcd	241,4fcd	215,3fcd	193,3fcd	174,4fcd

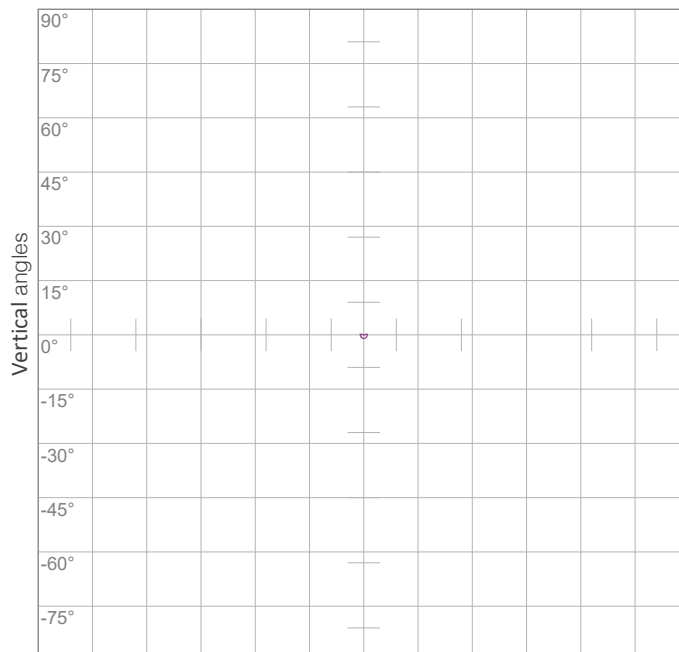


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POLAR DIAGRAMS



ISO candela diagram

10%	75095 cd
20%	150189 cd
30%	225284 cd
40%	300378 cd
50%	375473 cd
60%	450567 cd
70%	525662 cd

Conditions:

Number of c-planes: 2

Candela at center: 750945 cd



ISO lux diagram

3%	225 lx
5%	375 lx
10%	751 lx
30%	2253 lx
50%	3755 lx

Conditions:

Number of c-planes: 2

Lux at center: 7509 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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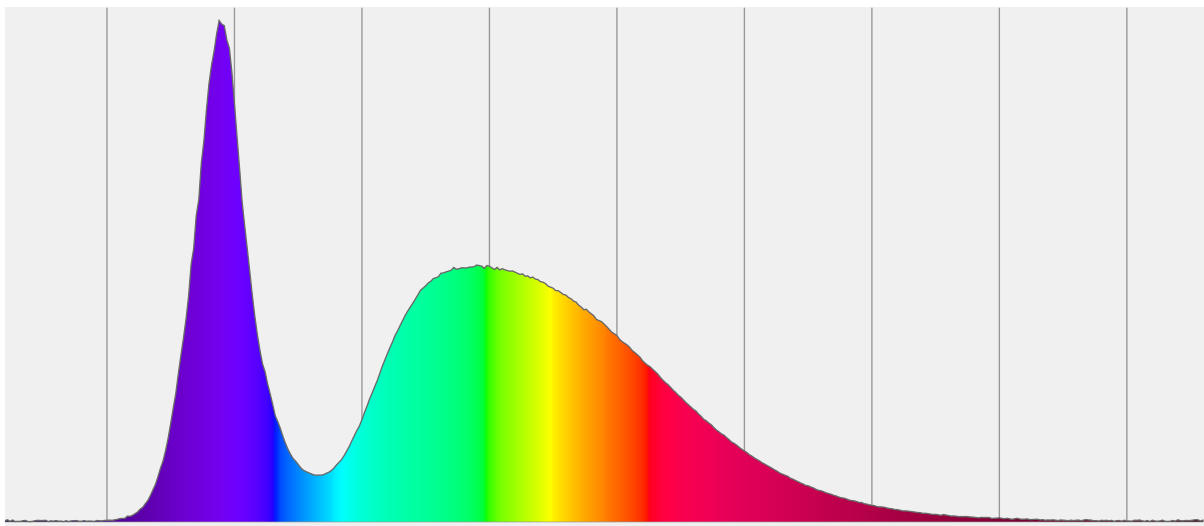
CHROMATICITY REPORT

Total Lumens: 1547 lm
Peak Intensity: 752294 cd
Fixture Efficiency: 4 Lumen/Watt

Color Temperature: 6573 K
CRI: 69,1
CRI R9: -37,6
CQS: 69,9
TM-30 Rf: 70,8
TM-30 Rg: 93,9
 Δuv : 0,0030
1st Dominant Wavelength: 444 nm
2nd Dominant Wavelength: 545 nm



Spectral Distribution



Color

6573 K
CIE 1931 Coordinates:
X: 0,311 Y: 0,333

Color Temperature

6573 K

CRI

69,1

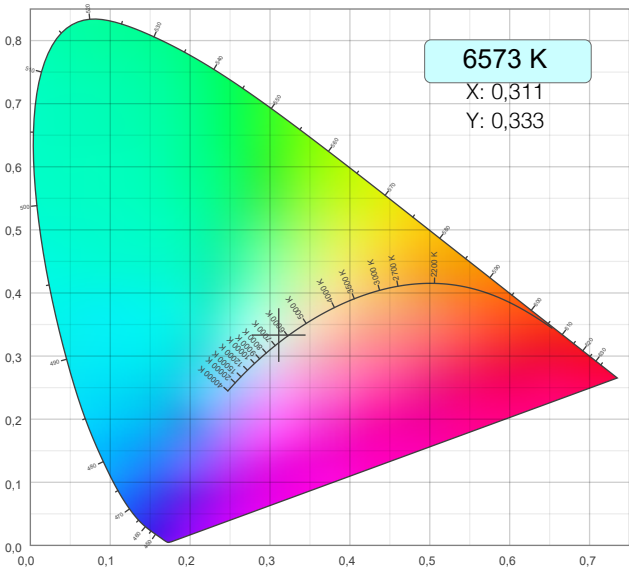
Photometric Report



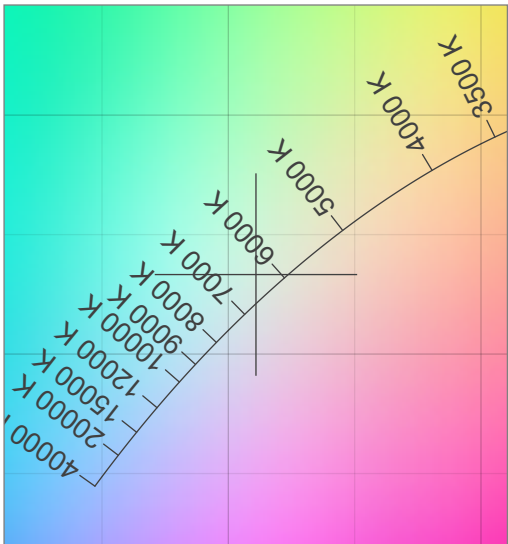
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CHROMATICITY

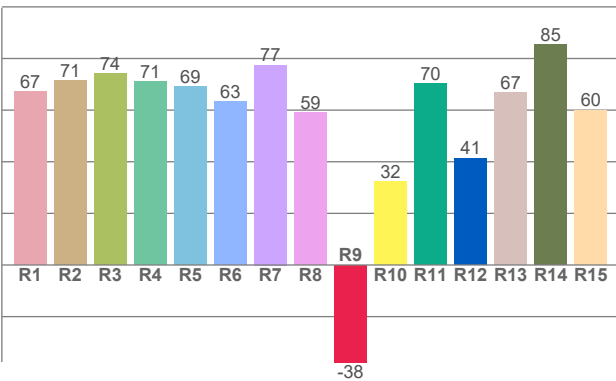
CIE 1931



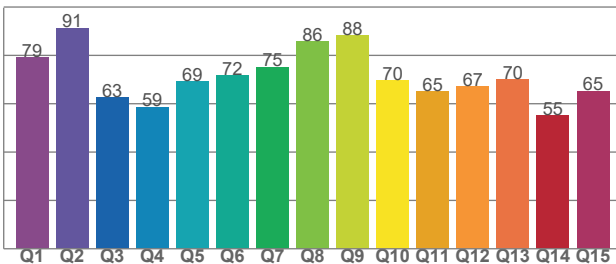
CIE 1931 - Detail



CRI: 69,1 (R1-R8)



CQSI: 69,9



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TM-30-18 DETAILS

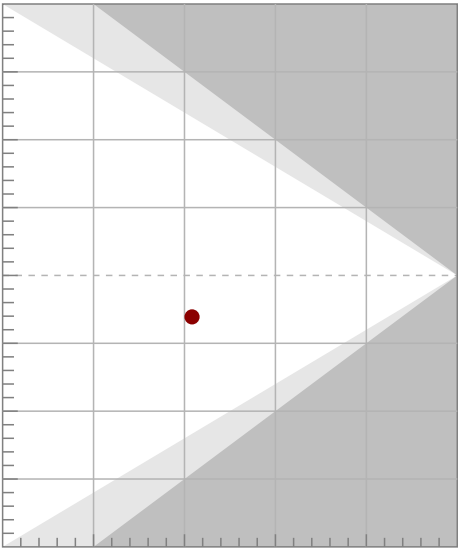
Rf 70,8

Fidelity index Rf

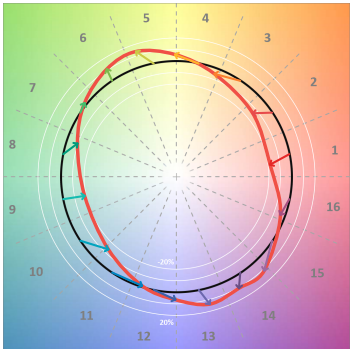
Rg 93,9

Gamut index Rg

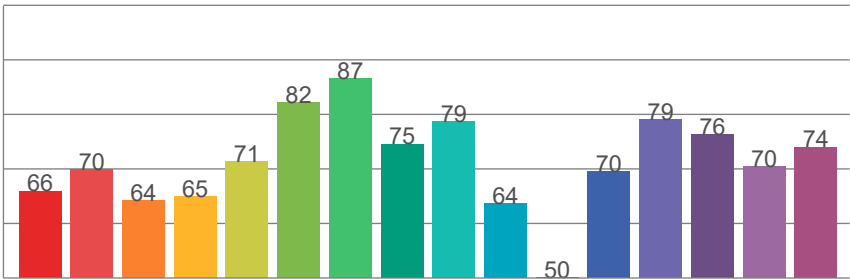
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	66	-18%	-6%
2	70	-14%	9%
3	64	-7%	22%
4	65	4%	22%
5	71	13%	13%
6	82	11%	-2%
7	87	2%	-9%
8	75	-10%	-11%
9	79	-19%	1%
10	64	-16%	20%
11	50	-5%	28%
12	70	5%	20%
13	79	14%	7%
14	76	11%	-9%
15	70	9%	-25%
16	74	-5%	-15%



TM30-18 Color Vectors



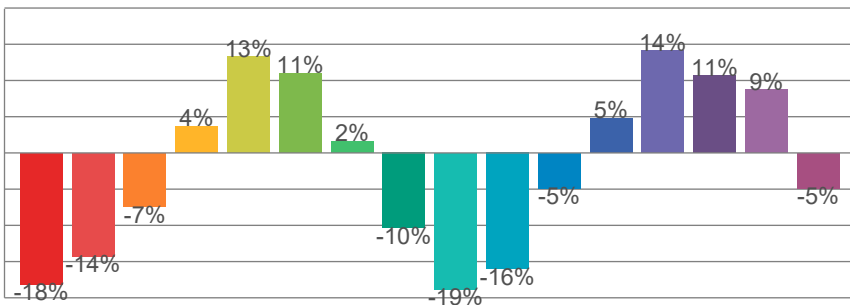
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

