

Photometric Report

Furion S402 Spot (zoom - iris min), , Ordercode 41450



REPORT SUMMARY

Output

Total Lumens:	1010 Lumen
Peak Intensity:	1110587 candela
Illuminance @ 5m:	44409 lx
CRI:	73,5
CCT:	7431 K

Optical

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

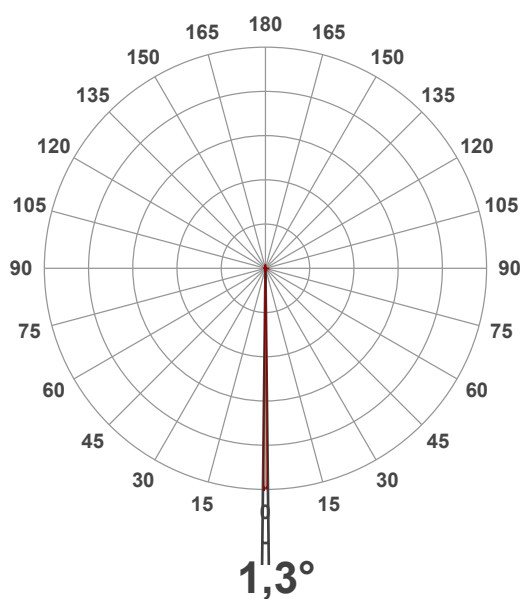
Conditions:

Power Supply:	220 V
Power:	491 W
Current:	2,27 A
Power Factor:	0,98

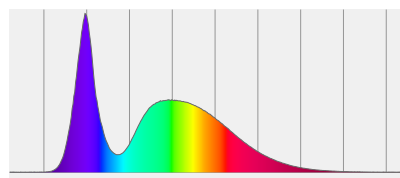


MEASUREMENTS

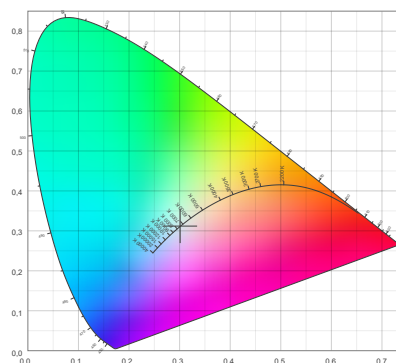
Angular Beam Distribution



Spectral Distribution



CIE 1931

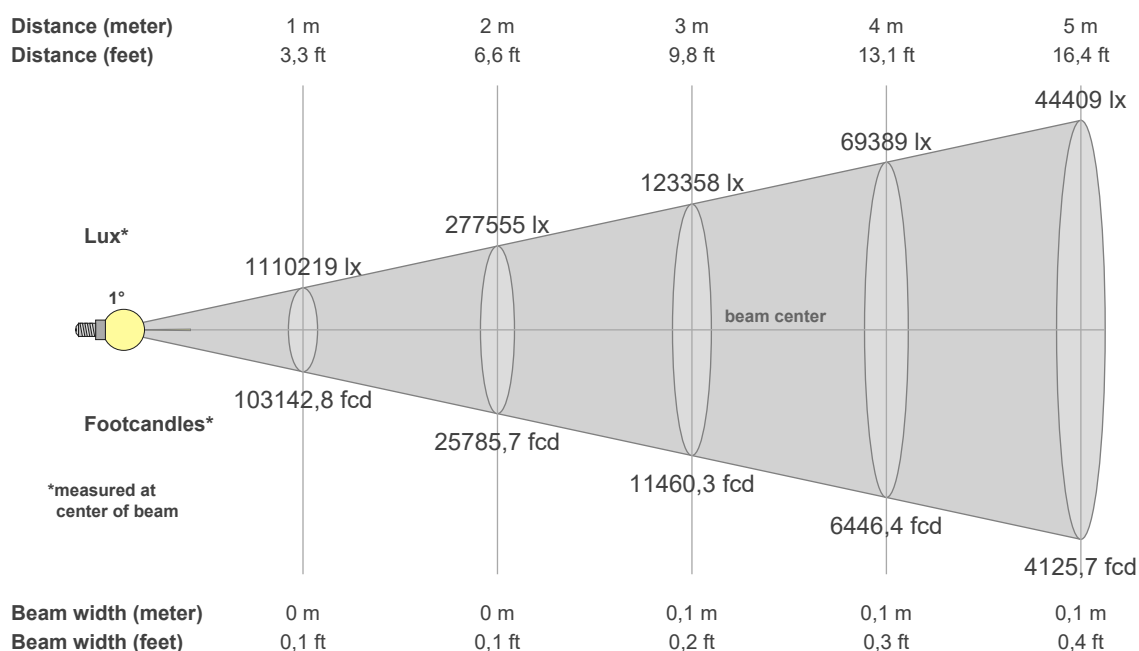


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BEAM DETAILS

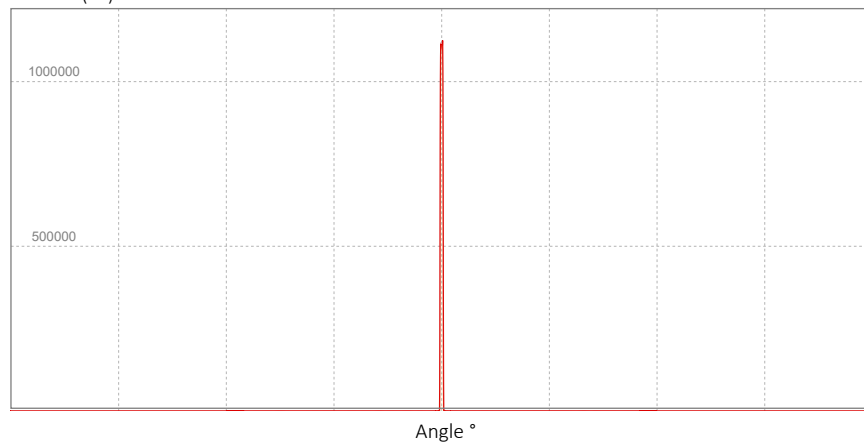


Beam Illuminances from 1-20m

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
1110219lx	277555lx	123358lx	69389lx	44409lx	30839lx	22658lx	17347lx	13706lx	11102lx	9175lx	7710lx	6569lx	5664lx	4934lx	4337lx	3842lx	3427lx	3075lx	2776lx
103142,8fcd	25785,7fcd	11460,3fcd	6446,4fcd	4125,7fcd	2865,1fcd	2105fcd	1611,6fcd	1273,4fcd	1031,4fcd	852,4fcd	716,3fcd	610,3fcd	526,2fcd	458,4fcd	402,9fcd	356,9fcd	318,3fcd	285,7fcd	257,9fcd

Candela (cd)

Linear Distribution Diagram

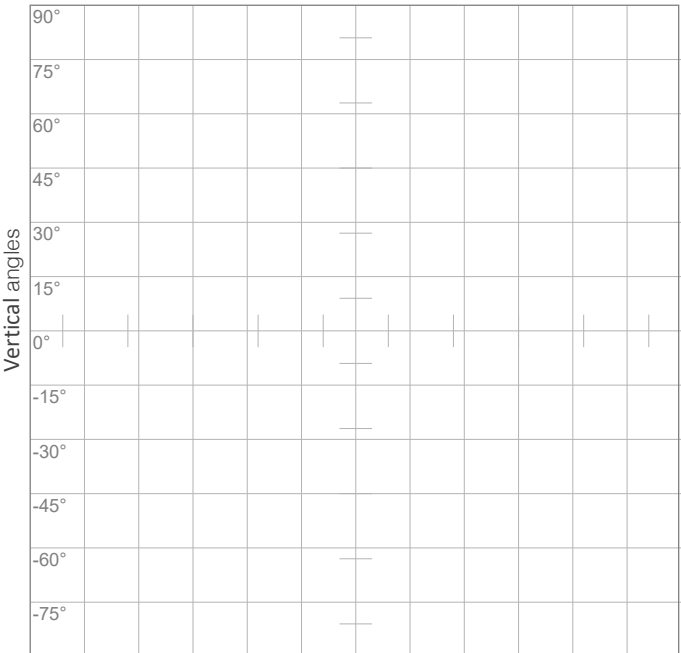


Beam Angle (50%): 1,3 °

Field Angle (10%): 1,6 °

Cutoff Angle (3%): 1,7 °

POLAR DIAGRAMS

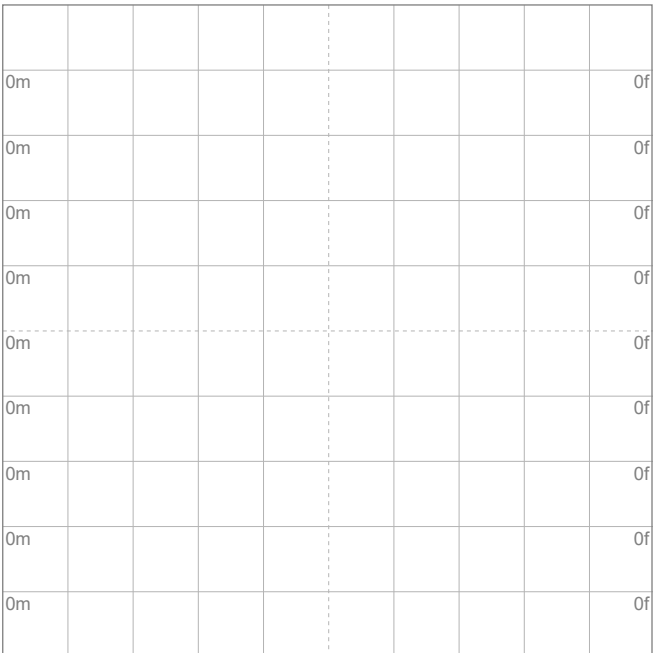


ISO candela diagram

	10%	111022 cd
	20%	222044 cd
	30%	333066 cd
	40%	444088 cd
	50%	555110 cd
	60%	666132 cd
	70%	777154 cd

Conditions:

Number of c-planes: 2
Candela at center: 1110219 cd



ISO lux diagram

	3%	333 lx
	5%	555 lx
	10%	1110 lx
	30%	3331 lx
	50%	5551 lx

Conditions:

Number of c-planes: 2
Lux at center: 11,1K 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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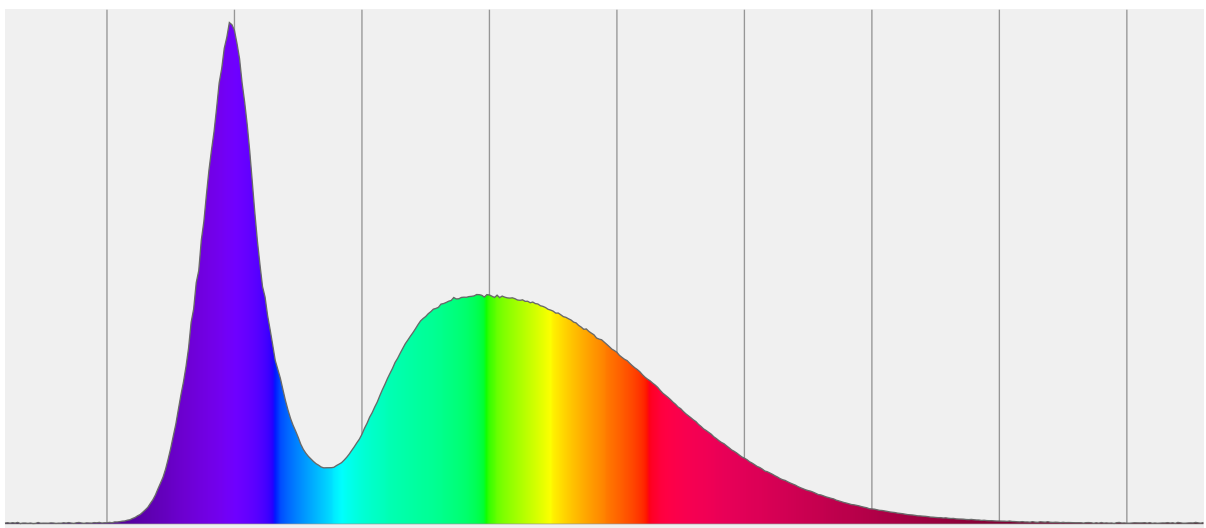
CHROMATICITY REPORT

Total Lumens: 1010 lm
Peak Intensity: 1110587 cd
Fixture Efficiency: 2 Lumen/Watt

Color Temperature: 7431 K
CRI: 73,5
CRI R9: -18,1
CQS: 70,3
TM-30 Rf: 72,9
TM-30 Rg: 93,8
 Δuv : 0,0027
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 545 nm



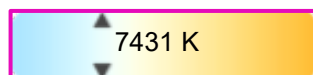
Spectral Distribution



Color

7431 K
CIE 1931 Coordinates:
X: 0,301 Y: 0,312

Color Temperature



CRI



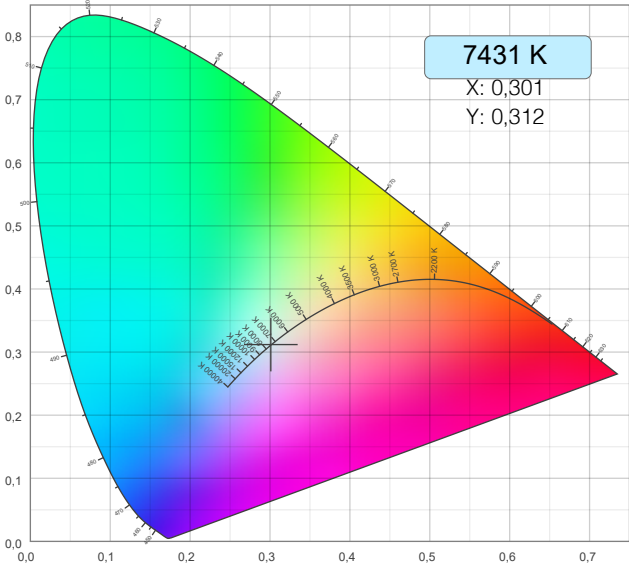
Photometric Report



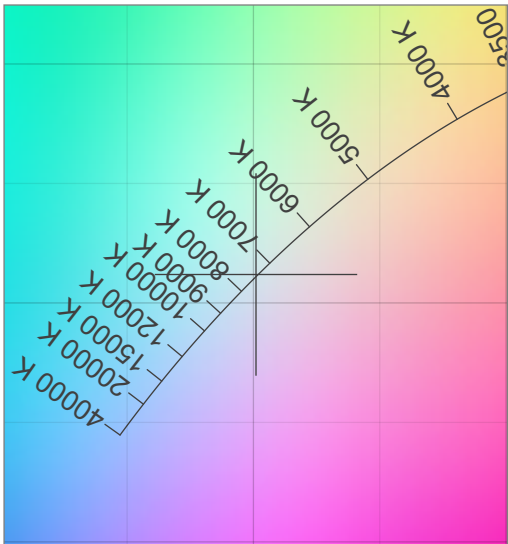
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CHROMATICITY

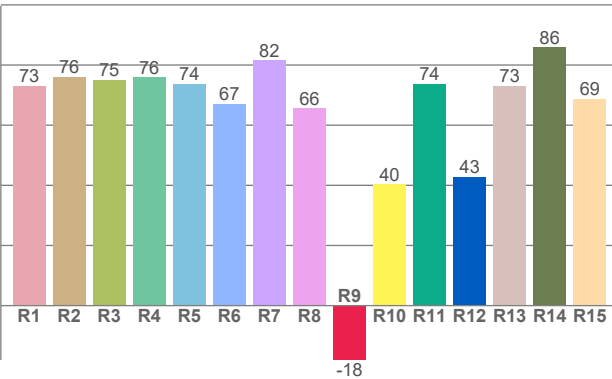
CIE 1931



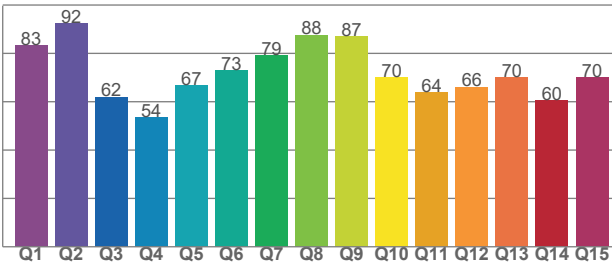
CIE 1931 - Detail



CRI: 73,5 (R1-R8)



CQS: 70,3



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TM-30-18 DETAILS

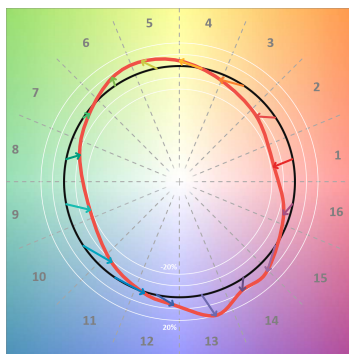
Rf 72,9

Fidelity index Rf

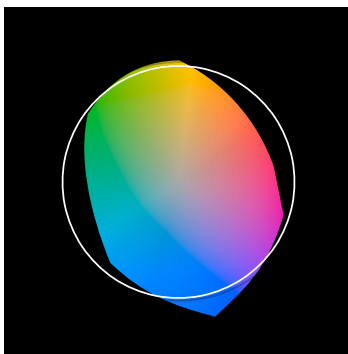
Rg 93,8

Gamut index Rg

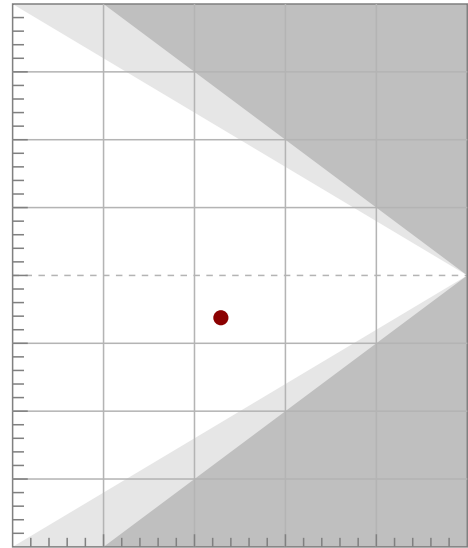
TM30-18 Color Vectors



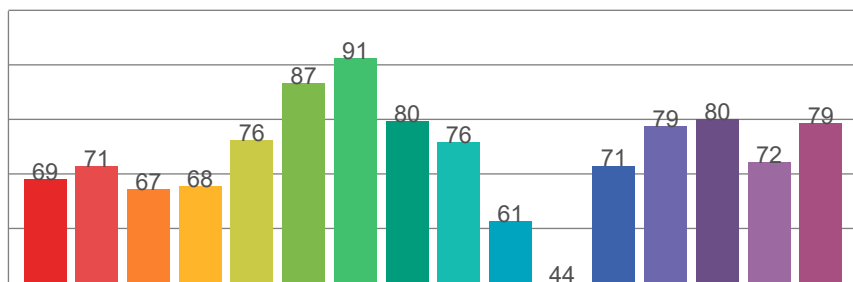
TM30 Color Distortion



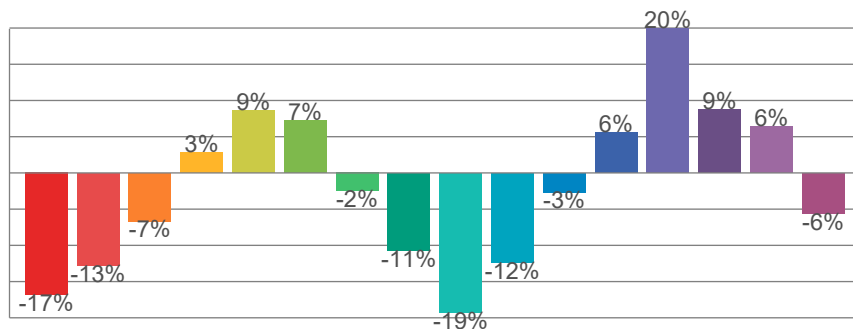
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	69	-17%	-3%
2	71	-13%	10%
3	67	-7%	20%
4	68	3%	20%
5	76	9%	11%
6	87	7%	-2%
7	91	-2%	-5%
8	80	-11%	-6%
9	76	-19%	9%
10	61	-12%	25%
11	44	-3%	28%
12	71	6%	16%
13	79	20%	8%
14	80	9%	-7%
15	72	6%	-22%
16	79	-6%	-10%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

