

Photometric Report

Furion S602 Spot (zoom max - frost), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	22933 Lumen
Peak Intensity:	55616 candela
Illuminance @ 5m:	2224 lx
CRI:	70,7
CCT:	6557 K

Optical

Beam Angle (50%)	42 °
Field Angle (10%)	54,6 °
Cut-off Angle (2,5%)	58,1 °

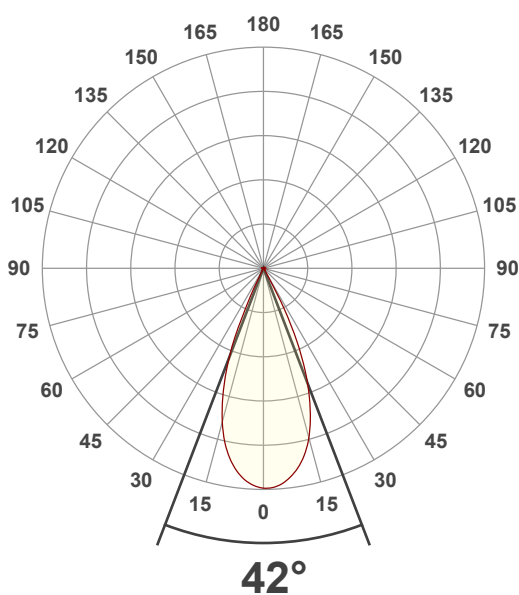
Conditions:

Power Supply:	222 V
Power:	795,4 W
Current:	3,65 A
Power Factor:	0,98

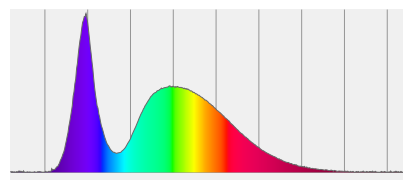


MEASUREMENTS

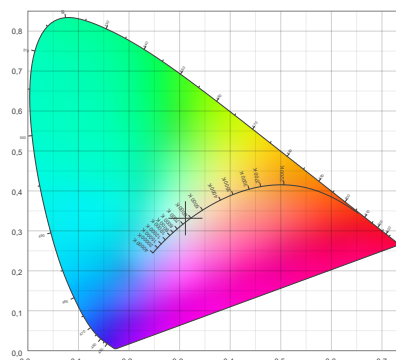
Angular Beam Distribution



Spectral Distribution



CIE 1931

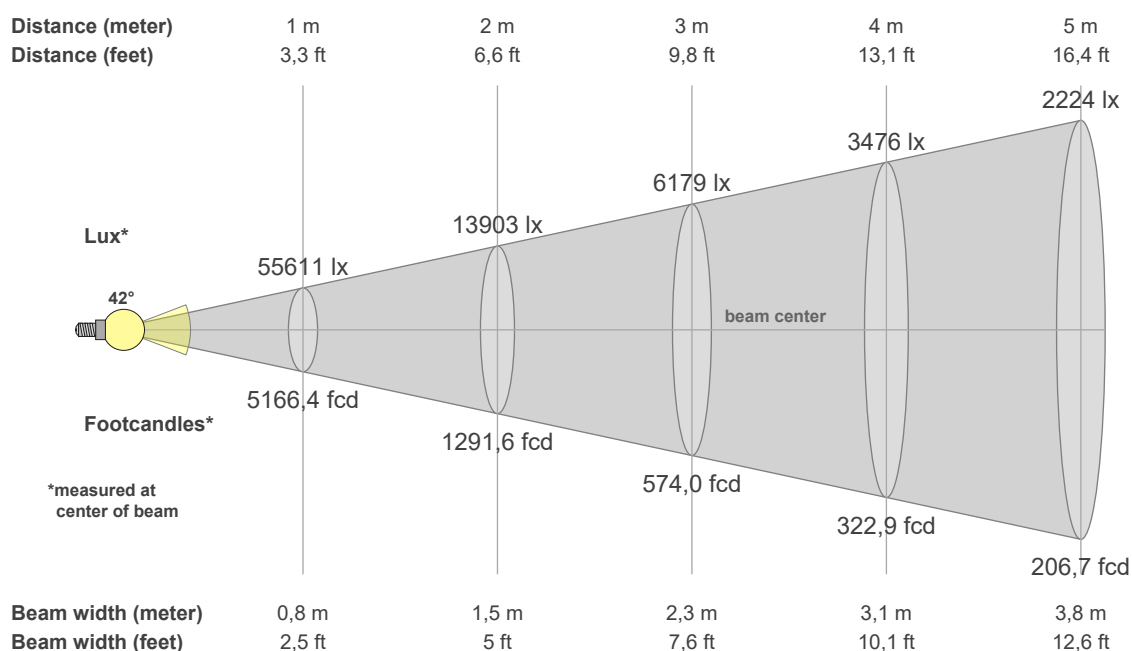


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BEAM DETAILS



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
55611lx	13903lx	6179lx	3476lx	2224lx	1545lx	1135lx	869lx	687lx	556lx	460lx	386lx	329lx	284lx	247lx	217lx	192lx	172lx	154lx	139lx
5166,4fcd	1291,6fcd	574fcd	322,9fcd	206,7fcd	143,5fcd	105,4fcd	80,7fcd	63,8fcd	51,7fcd	42,7fcd	35,9fcd	30,6fcd	26,4fcd	23fcd	20,2fcd	17,9fcd	15,9fcd	14,3fcd	12,9fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 42 °

Field Angle (10%): 54,6 °

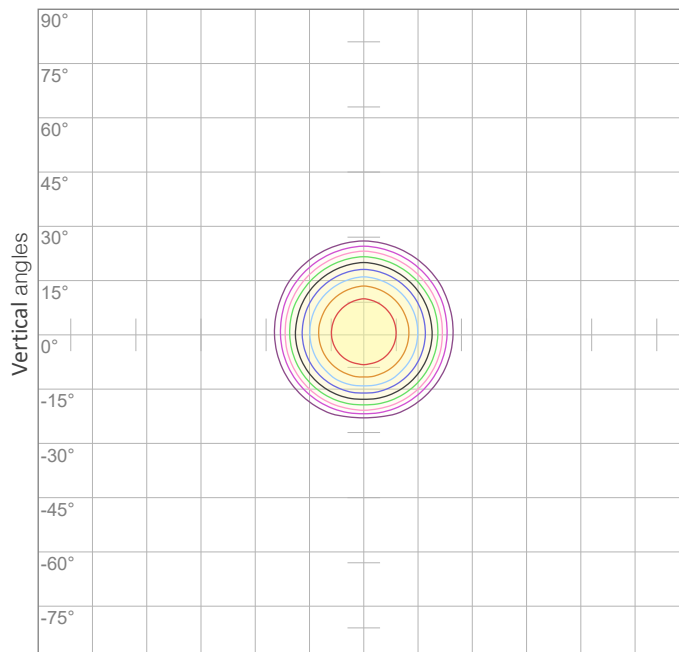
Cutoff Angle (3%): 58,1 °

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POLAR DIAGRAMS



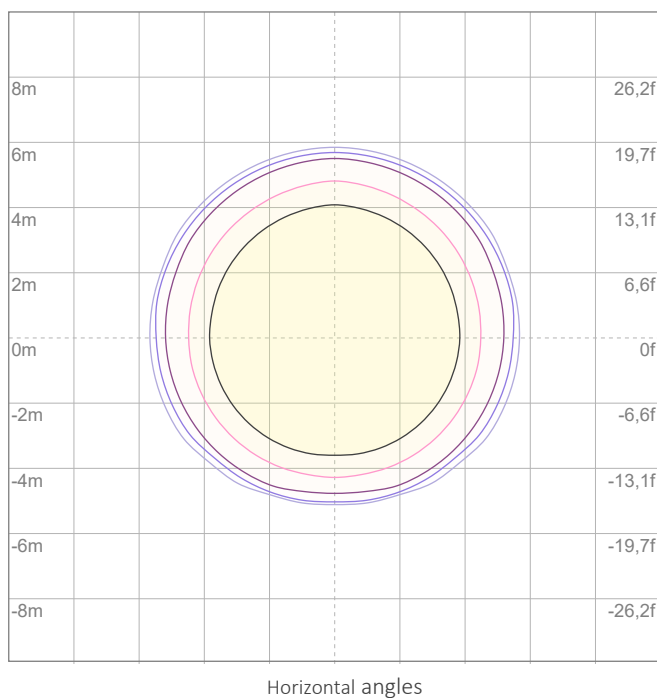
ISO candela diagram

10%	5561 cd
20%	11122 cd
30%	16683 cd
40%	22244 cd
50%	27805 cd
60%	33367 cd
70%	38928 cd

Conditions:

Number of c-planes: 2

Candela at center: 55611 cd



ISO lux diagram

3%	16,7 lx
5%	27,8 lx
10%	55,6 lx
30%	167 lx
50%	278 lx

Conditions:

Number of c-planes: 2

Lux at center: 556 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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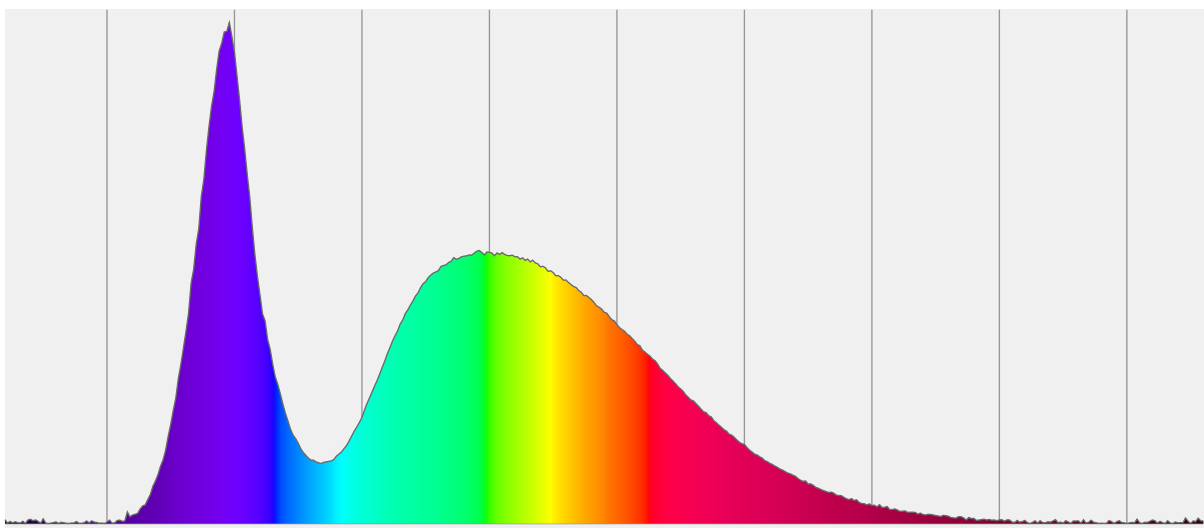
CHROMATICITY REPORT

Total Lumens: 22933 lm
Peak Intensity: 55616 cd
Fixture Efficiency: 29 Lumen/Watt

Color Temperature: 6557 K
CRI: 70,7
CRI R9: -32,7
CQS: 70,1
TM-30 Rf: 72,2
TM-30 Rg: 93,2
 Δuv : 0,0019
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 546 nm



Spectral Distribution



Color

6557 K
CIE 1931 Coordinates:
X: 0,312 Y: 0,332

Color Temperature

6557 K

CRI

70,7

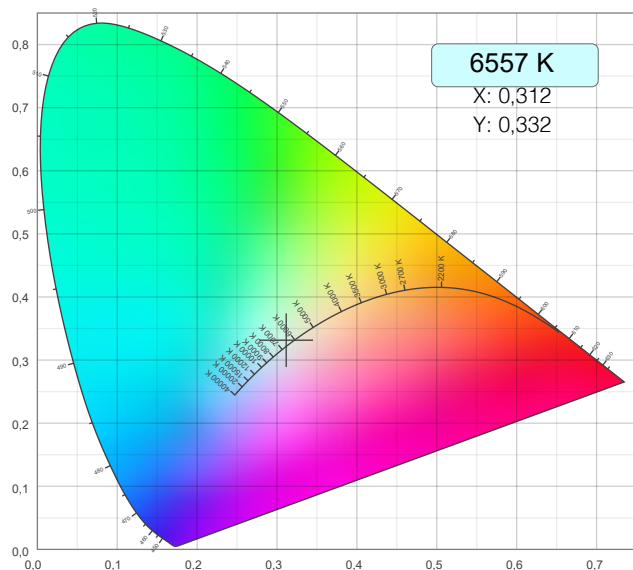
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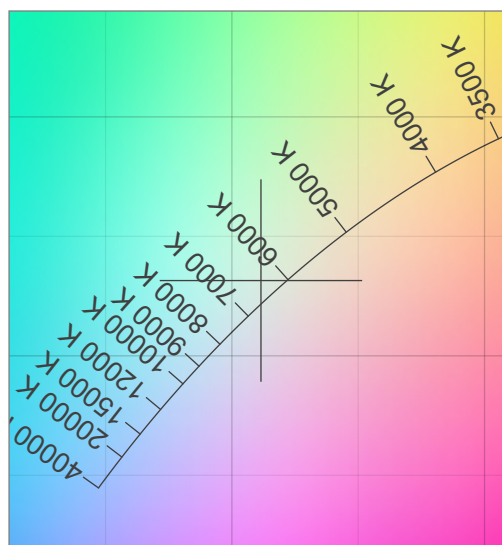


CHROMATICITY

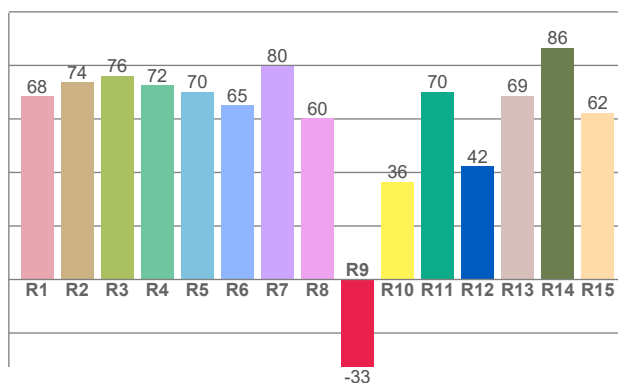
CIE 1931



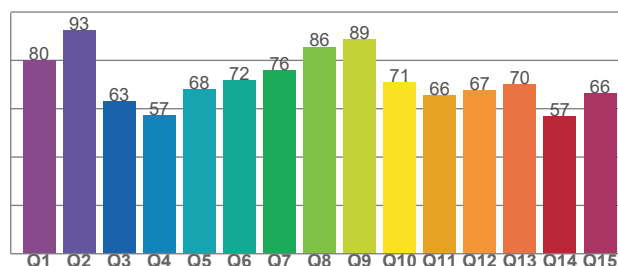
CIE 1931 - Detail



CRI: 70,7 (R1-R8)



CQS: 70,1



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TM-30-18 DETAILS

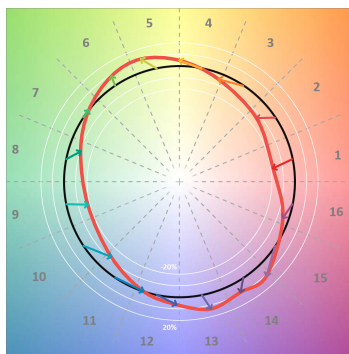
Rf 72,2

Fidelity index Rf

Rg 93,2

Gamut index Rg

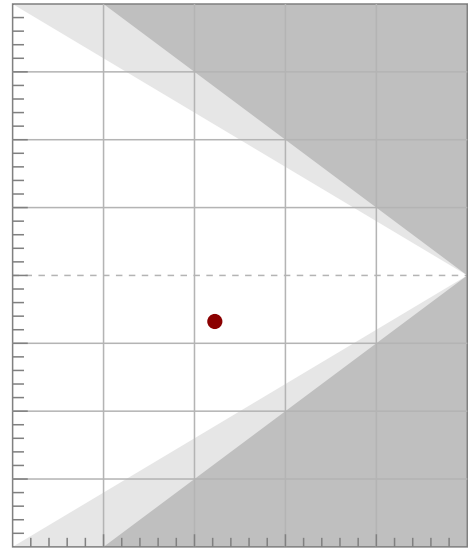
TM30-18 Color Vectors



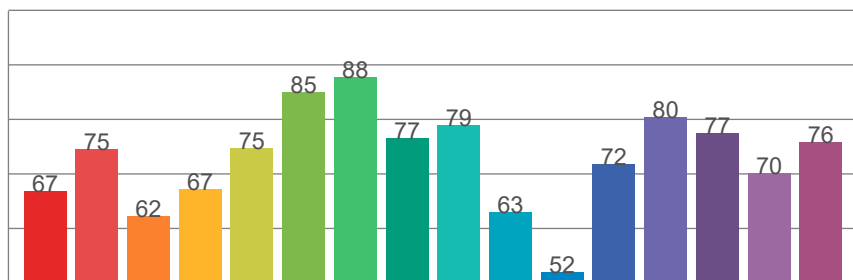
TM30 Color Distortion



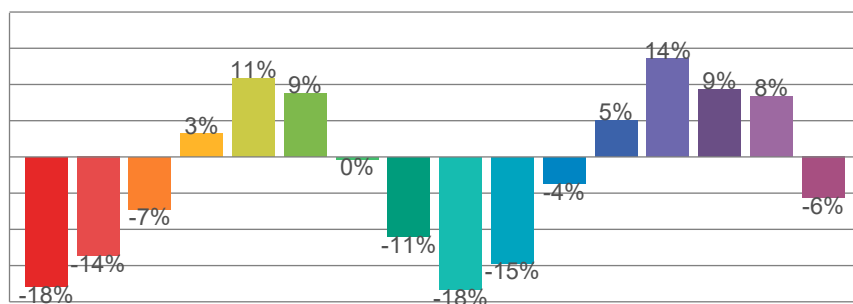
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	67	-18%	-4%
2	75	-14%	9%
3	62	-7%	21%
4	67	3%	20%
5	75	11%	12%
6	85	9%	-2%
7	88	0%	-8%
8	77	-11%	-9%
9	79	-18%	4%
10	63	-15%	22%
11	52	-4%	27%
12	72	5%	18%
13	80	14%	5%
14	77	9%	-9%
15	70	8%	-26%
16	76	-6%	-13%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

