

Photometric Report

Furion S602 Spot (zoom max), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	25162 Lumen
Peak Intensity:	59534 candela
Illuminance @ 5m:	2379 lx
CRI:	71,0
CCT:	6660 K

Optical

Beam Angle (50%)	42,6 °
Field Angle (10%)	54,1 °
Cut-off Angle (2,5%)	56,7 °

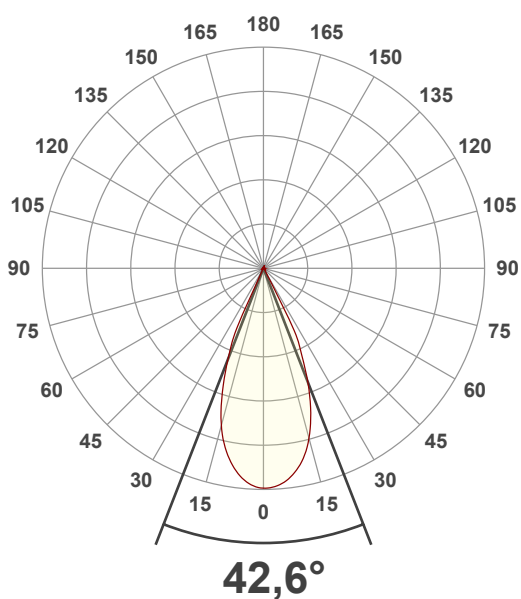
Conditions:

Power Supply:	222 V
Power:	779,4 W
Current:	3,59 A
Power Factor:	0,98

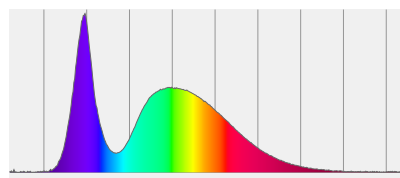


MEASUREMENTS

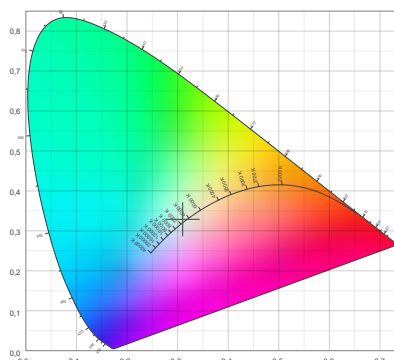
Angular Beam Distribution



Spectral Distribution



CIE 1931

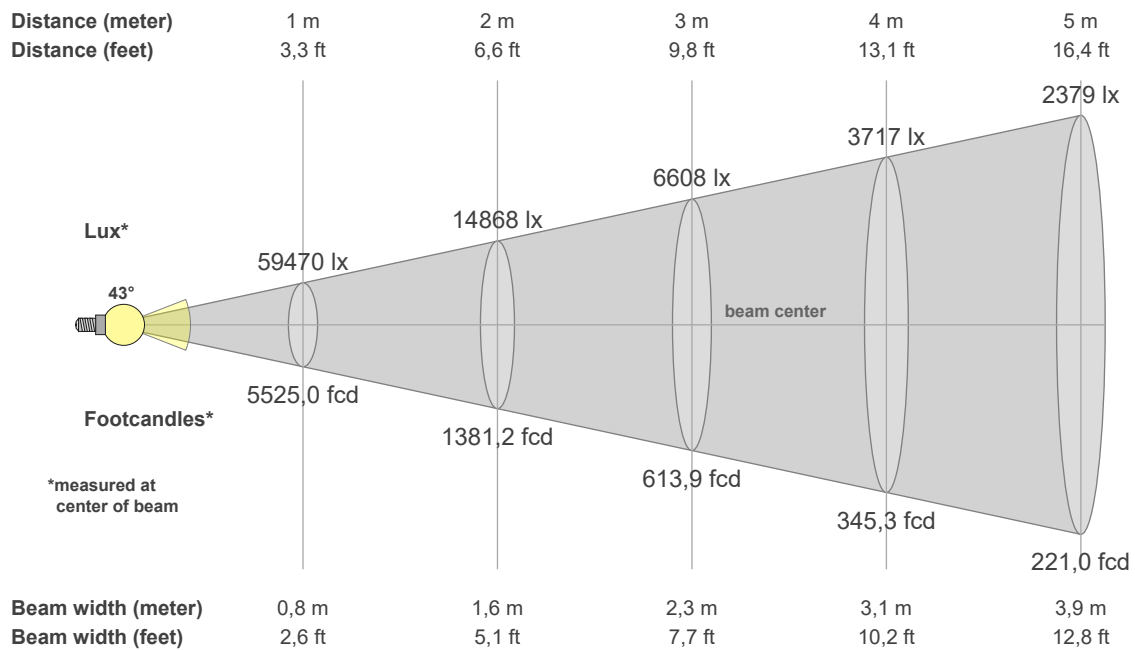


Photometric Report



Furion S602 Spot (zoom max), , Ordercode

BEAM DETAILS

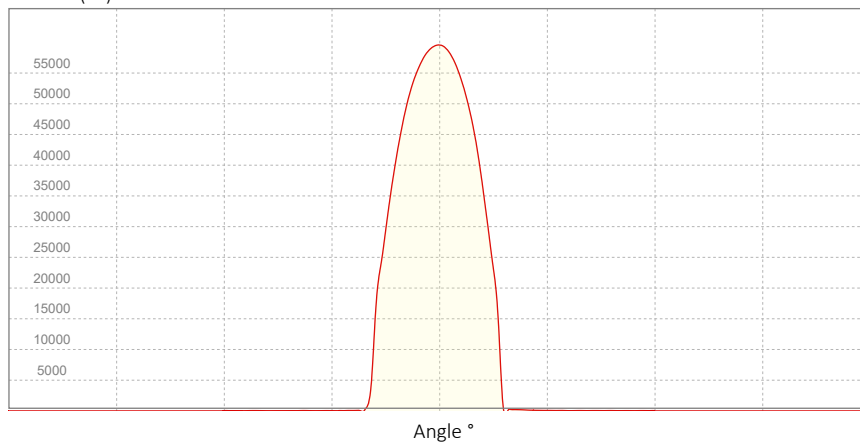


Beam Illuminances from 1-20m

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
59470lx	14868lx	6608lx	3717lx	2379lx	1652lx	1214lx	929lx	734lx	595lx	491lx	413lx	352lx	303lx	264lx	232lx	206lx	184lx	165lx	149lx
5525fcd	1381,2fcd	613,9fcd	345,3fcd	221fcd	153,5fcd	112,8fcd	86,3fcd	68,2fcd	55,2fcd	45,7fcd	38,4fcd	32,7fcd	28,2fcd	24,6fcd	21,6fcd	19,1fcd	17,1fcd	15,3fcd	13,8fcd

Candela (cd)

Linear Distribution Diagram



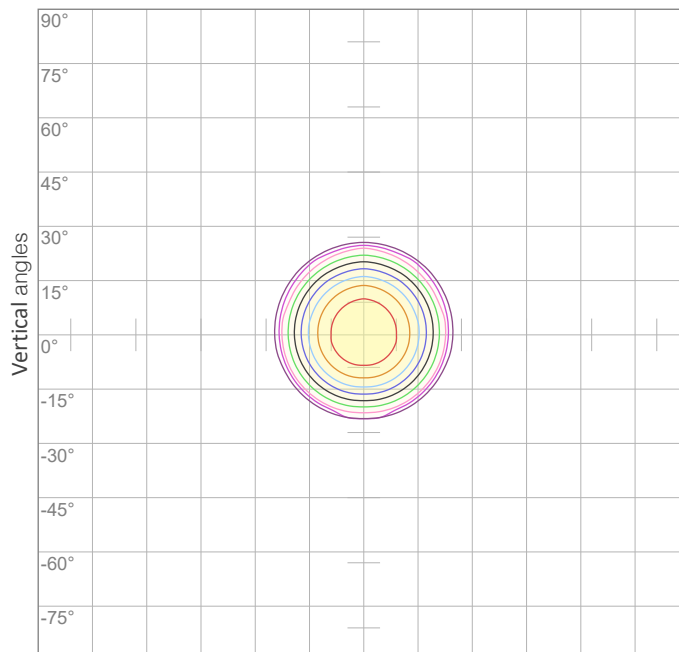
Beam Angle (50%): 42,6 °
Field Angle (10%): 54,1 °
Cutoff Angle (3%): 56,7 °

Photometric Report

Furion S602 Spot (zoom max), , Ordercode



POLAR DIAGRAMS



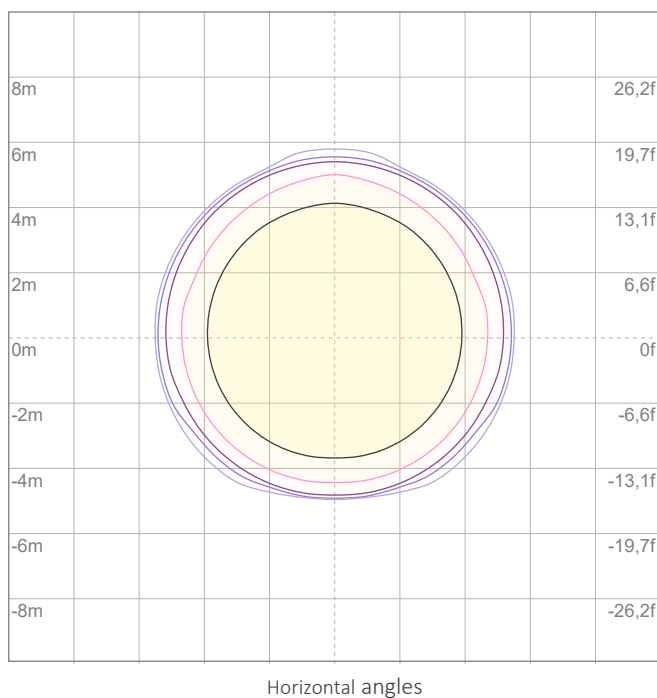
ISO candela diagram

10%	5947 cd
20%	11894 cd
30%	17841 cd
40%	23788 cd
50%	29735 cd
60%	35682 cd
70%	41629 cd

Conditions:

Number of c-planes: 2

Candela at center: 59470 cd



ISO lux diagram

3%	17,8 lx
5%	29,7 lx
10%	59,5 lx
30%	178 lx
50%	297 lx

Conditions:

Number of c-planes: 2

Lux at center: 595 lx

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

Mounting height: 10 meters (33 feet)

Photometric Report



Furion S602 Spot (zoom max), , Ordercode

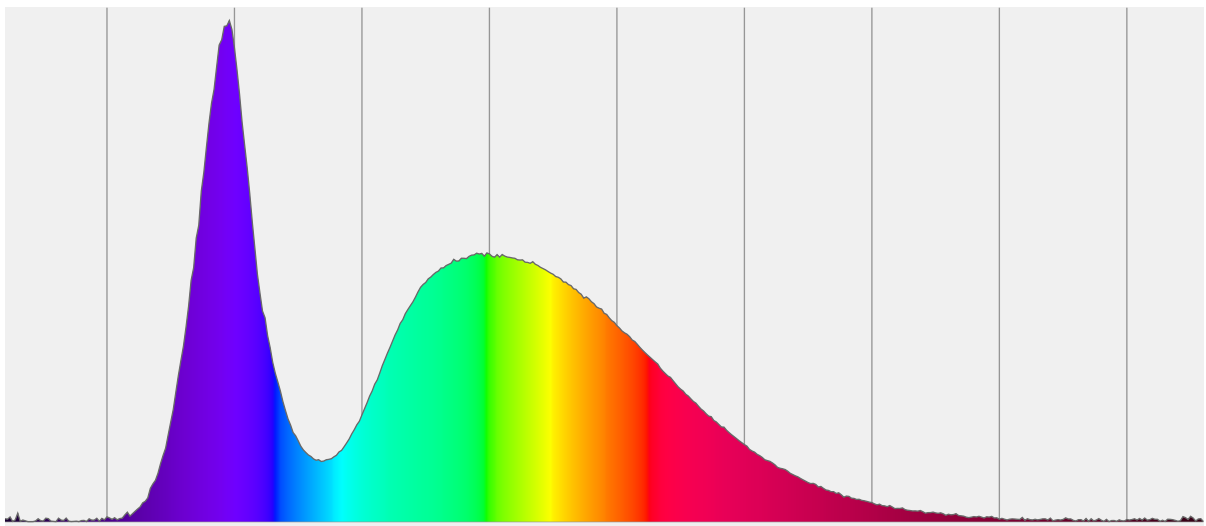
CHROMATICITY REPORT

Total Lumens: 25162 lm
Peak Intensity: 59534 cd
Fixture Efficiency: 32 Lumen/Watt

Color Temperature: 6660 K
CRI: 71,0
CRI R9: -30,8
CQS: 70,3
TM-30 Rf: 72,3
TM-30 Rg: 93,5
 Δuv : 0,0013
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 549 nm



Spectral Distribution



Color

6660 K
CIE 1931 Coordinates:
X: 0,310 Y: 0,329

Color Temperature

6660 K

CRI

71,0

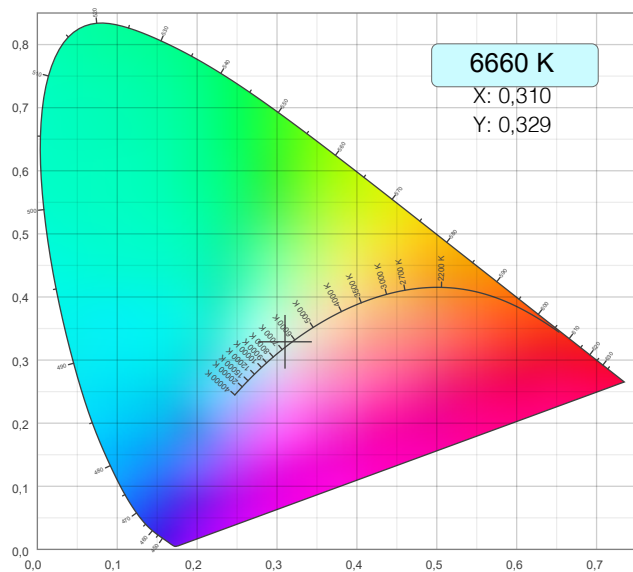
Photometric Report

Furion S602 Spot (zoom max), , Ordercode

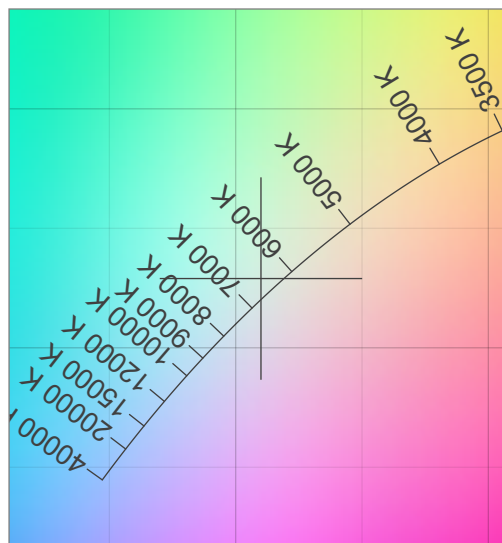


CHROMATICITY

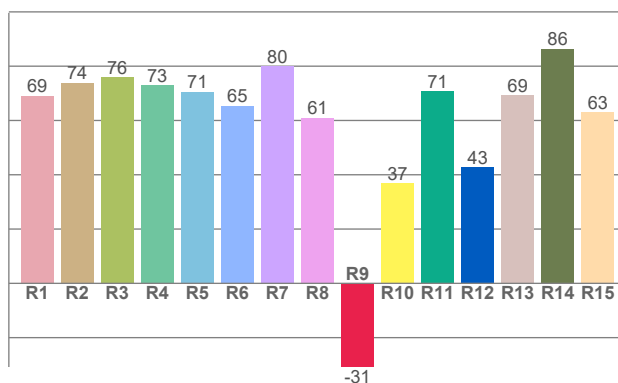
CIE 1931



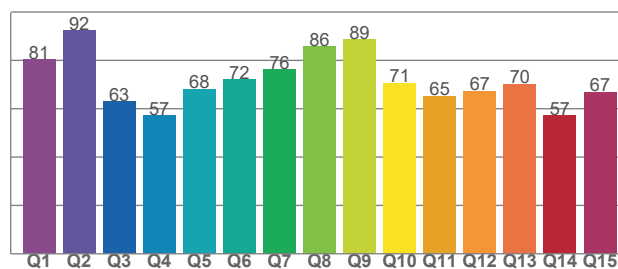
CIE 1931 - Detail



CRI: 71,0 (R1-R8)



CQS: 70,3



TM-30-18 DETAILS

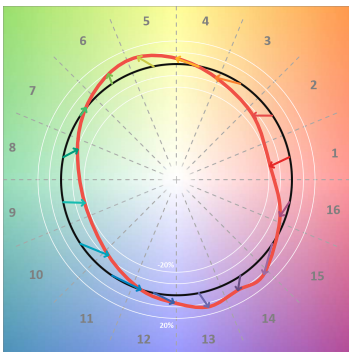
Rf 72,3

Fidelity index Rf

Rg 93,5

Gamut index Rg

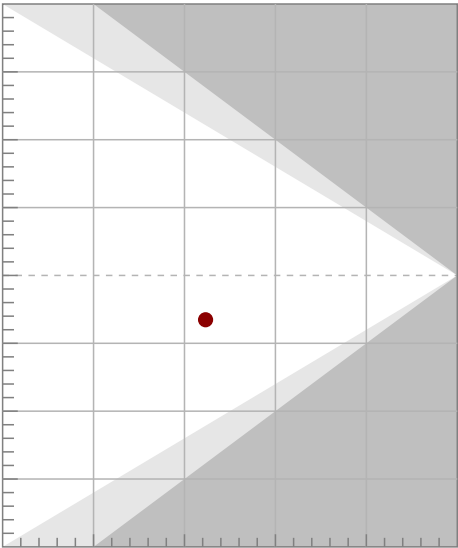
TM30-18 Color Vectors



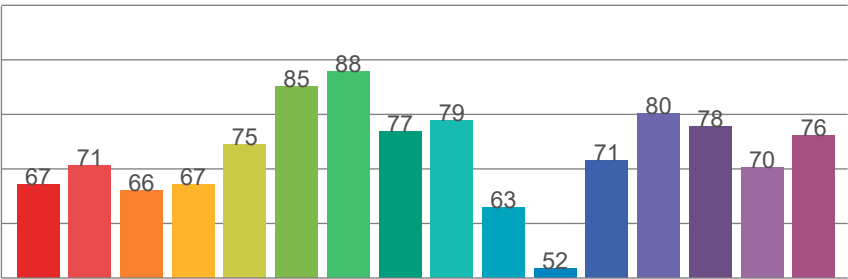
TM30 Color Distortion



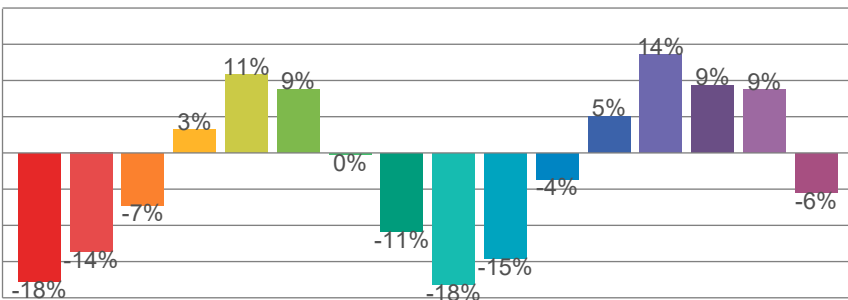
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	67	-18%	-4%
2	71	-14%	9%
3	66	-7%	21%
4	67	3%	20%
5	75	11%	12%
6	85	9%	-2%
7	88	0%	-8%
8	77	-11%	-9%
9	79	-18%	4%
10	63	-15%	22%
11	52	-4%	27%
12	71	5%	19%
13	80	14%	6%
14	78	9%	-9%
15	70	9%	-26%
16	76	-6%	-13%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

