

Photometric Report



Followspot 120 (zoom max in focus), , Ordercode 40120

REPORT SUMMARY

Output

Total Lumens:	3909 Lumen
Peak Intensity:	153960 candela
Illuminance @ 5m:	6156 lx
CRI:	78,1
CCT:	9675 K

Optical

Beam Angle (50%)	10,5 °
Field Angle (10%)	11,1 °

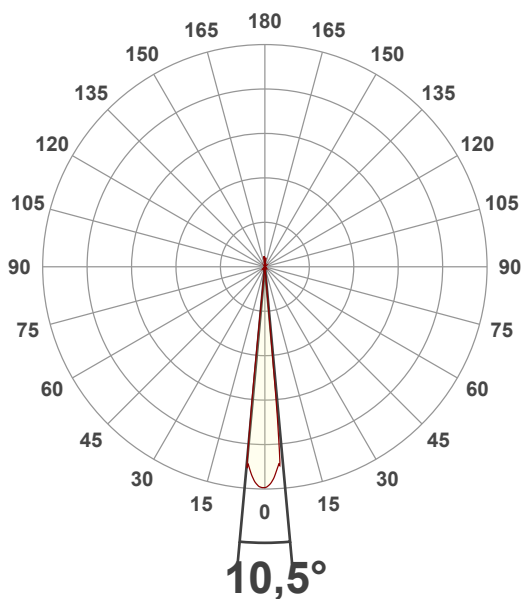
Conditions:

Power Supply:	223 V
Power:	174,3 W
Current:	0,833 A
Power Factor:	0,94

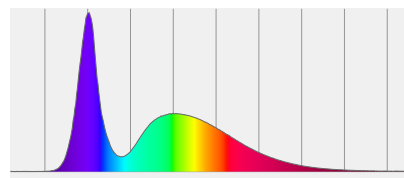


MEASUREMENTS

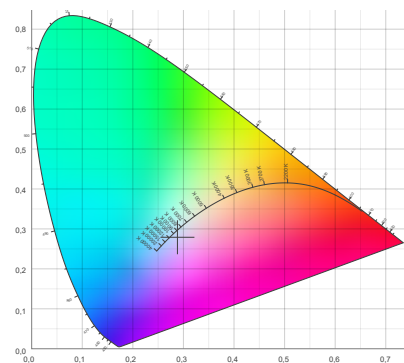
Angular Beam Distribution



Spectral Distribution



CIE 1931

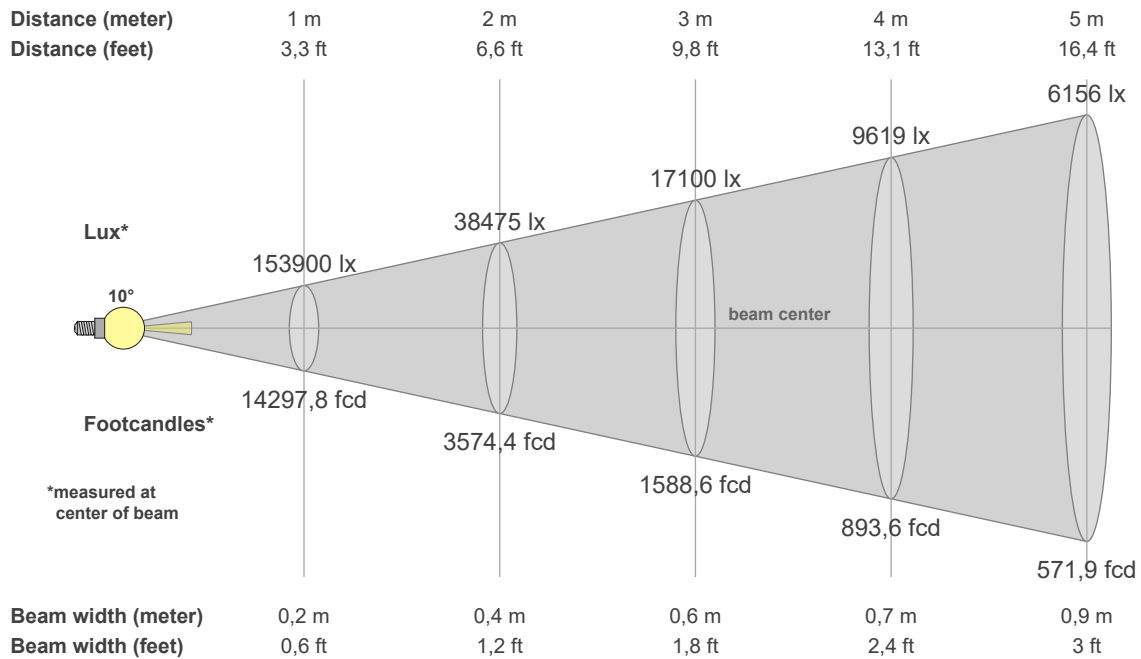


Photometric Report



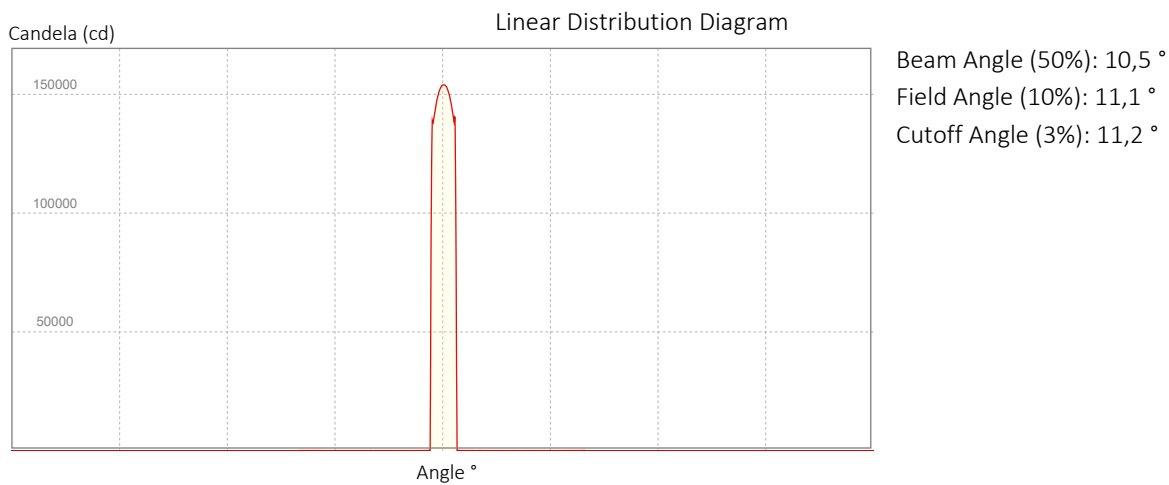
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BEAM DETAILS



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
153900lx	38475lx	17100lx	9619lx	6156lx	4275lx	3141lx	2405lx	1900lx	1539lx	1272lx	1069lx	911lx	785lx	684lx	601lx	533lx	475lx	426lx	385lx
14297,8fcd	3574,4fcd	1588,6fcd	893,6fcd	571,9fcd	397,2fcd	291,8fcd	223,4fcd	176,5fcd	143fcd	118,2fcd	99,3fcd	84,6fcd	72,9fcd	63,5fcd	55,9fcd	49,5fcd	44,1fcd	39,6fcd	35,7fcd

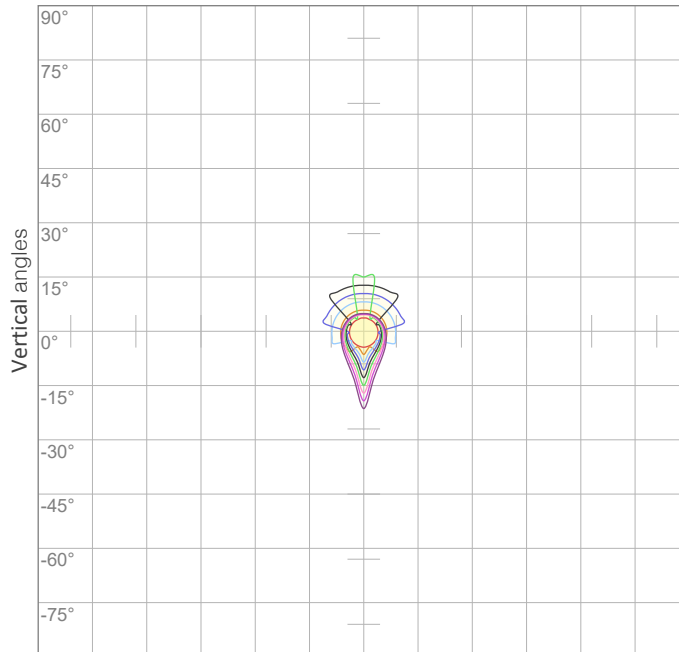


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POLAR DIAGRAMS



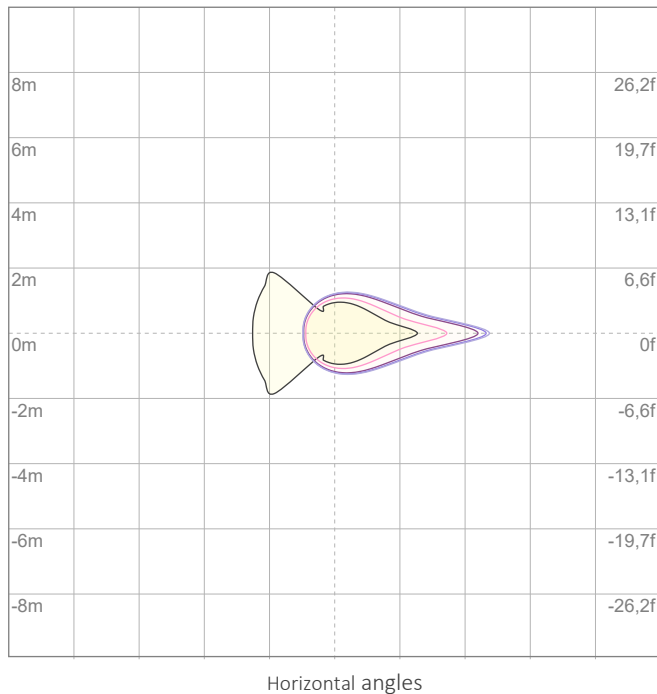
ISO candela diagram

10%	15390 cd
20%	30780 cd
30%	46170 cd
40%	61560 cd
50%	76950 cd
60%	92340 cd
70%	107730 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 153900 cd



ISO lux diagram

3%	46,2 lx
5%	77,0 lx
10%	154 lx
30%	462 lx
50%	770 lx

Conditions:

Number of c-planes: 2

Lux at center: 1539 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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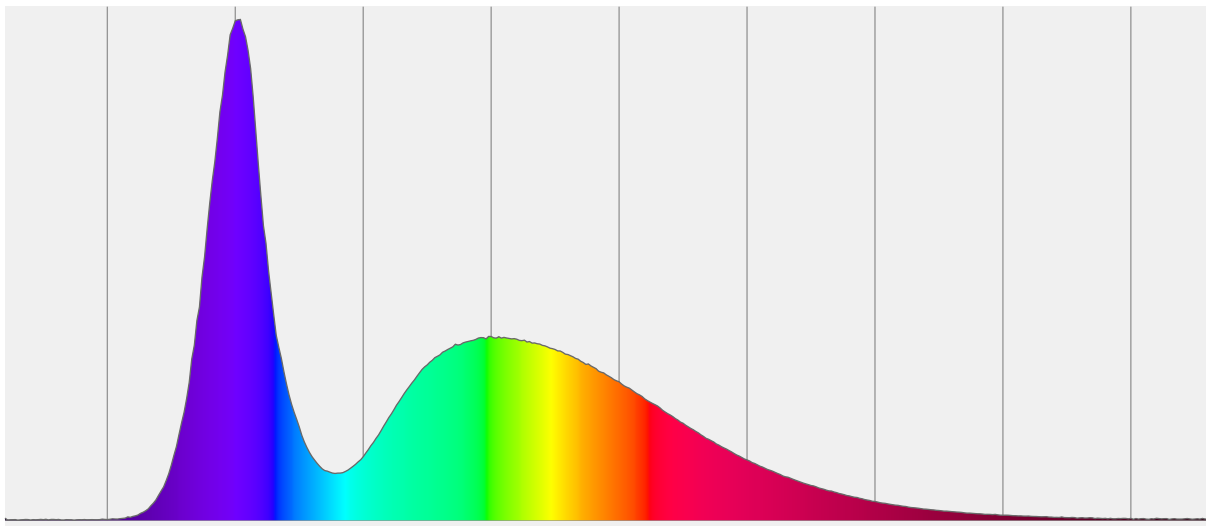
CHROMATICITY REPORT

Total Lumens: 3909 lm
Peak Intensity: 153960 cd
Fixture Efficiency: 22 Lumen/Watt

Color Temperature: 9675 K
CRI: 78,1
CRI R9: 22,8
CQS: 68,6
TM-30 Rf: 72,2
TM-30 Rg: 95,5
 Δuv : -0,0129
1st Dominant Wavelength: 452 nm
2nd Dominant Wavelength: 549 nm



Spectral Distribution



Color

9675 K

CIE 1931 Coordinates:
X: 0,288 Y: 0,279

Color Temperature

9675 K

CRI

78,1

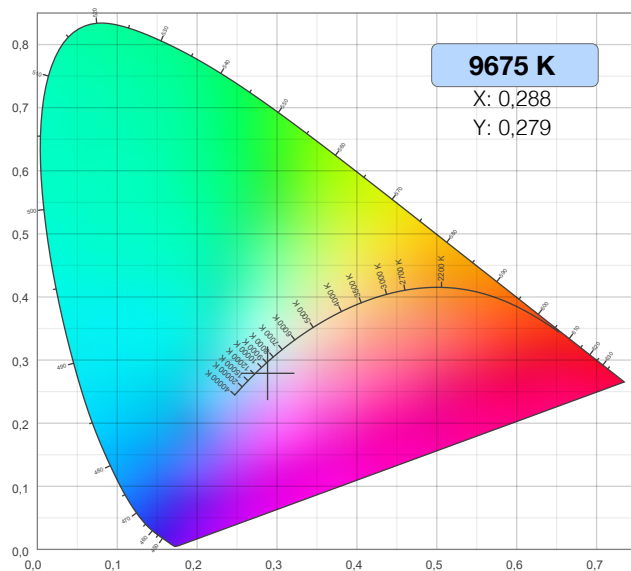
Photometric Report



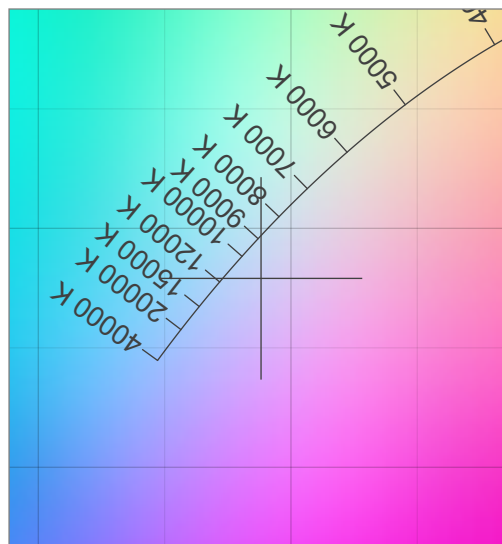
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CHROMATICITY

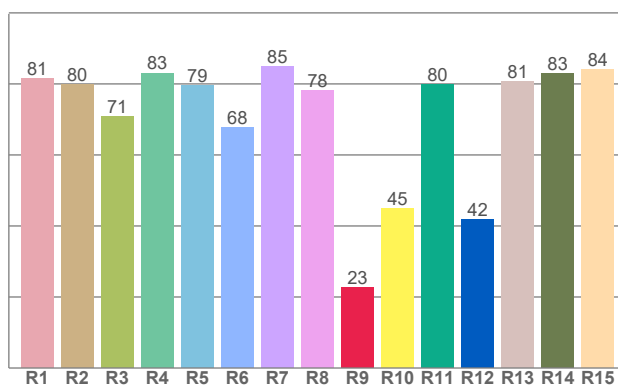
CIE 1931



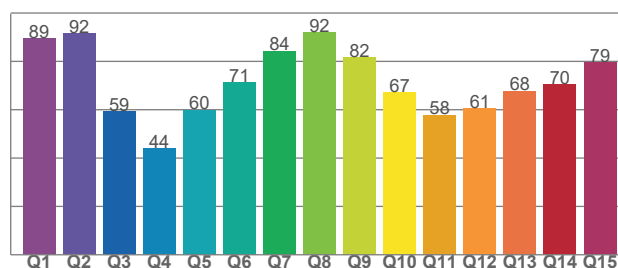
CIE 1931 - Detail



CRI: 78,1 (R1-R8)



CQSI: 68,6



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TM-30-18 DETAILS

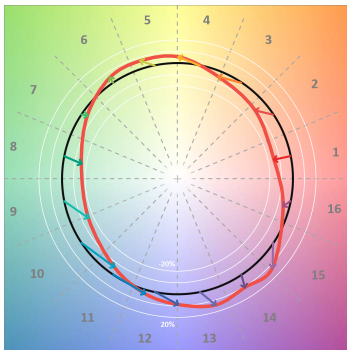
Rf 72,2

Fidelity index Rf

Rg 95,5

Gamut index Rg

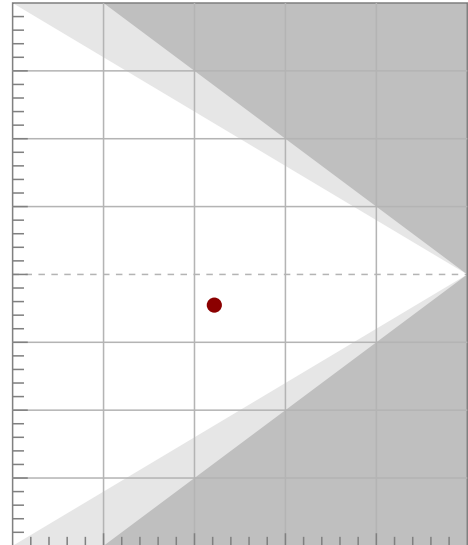
TM30-18 Color Vectors



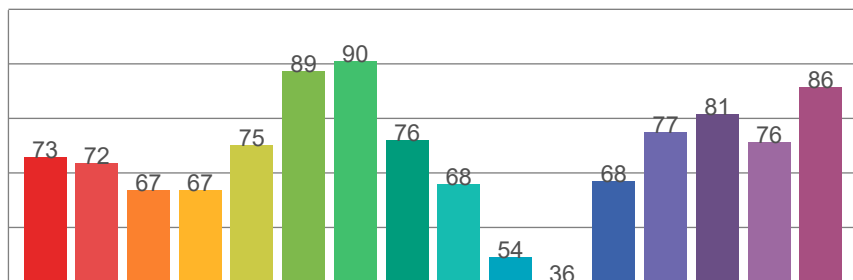
TM30 Color Distortion



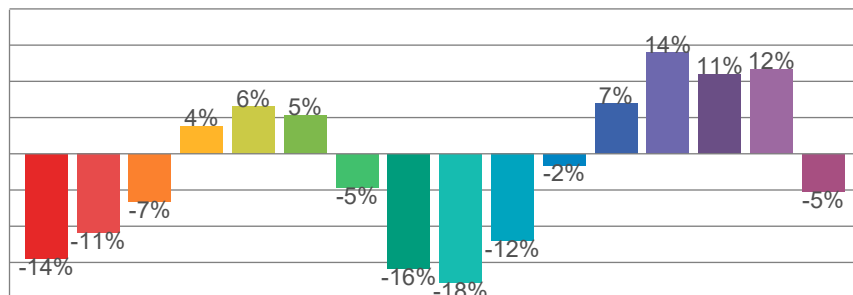
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	73	-14%	0%
2	72	-11%	12%
3	67	-7%	19%
4	67	4%	20%
5	75	6%	11%
6	89	5%	0%
7	90	-5%	-2%
8	76	-16%	3%
9	68	-18%	18%
10	54	-12%	33%
11	36	-2%	32%
12	68	7%	22%
13	77	14%	11%
14	81	11%	-4%
15	76	12%	-18%
16	86	-5%	-6%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

