

Photometric Report

PAR 56 Warm on Dim, , Ordercode 43315



REPORT SUMMARY

Output

Total Lumens:	2202 Lumen
Peak Intensity:	3038 candela
Illuminance @ 5m:	122 lx
CRI:	93,5
CCT:	2869 K

Optical

Beam Angle (50%)	41,8 °
Field Angle (10%)	83 °

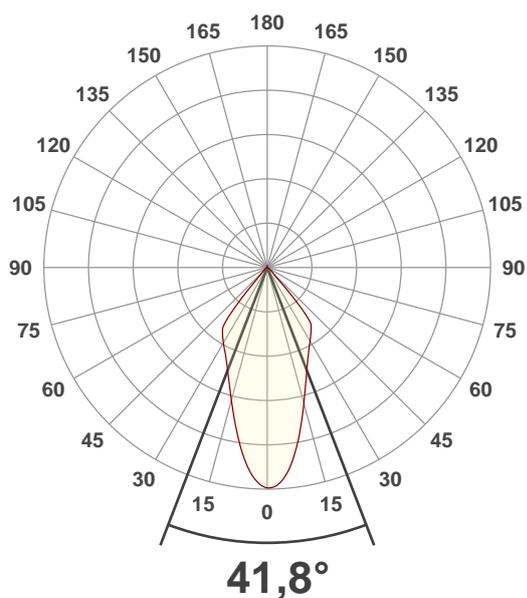
Conditions:

Power Supply:	223 V
Power:	36,1 W
Current:	0,164 A
Power Factor:	0,99

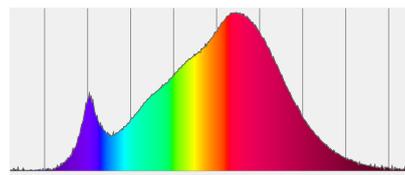


MEASUREMENTS

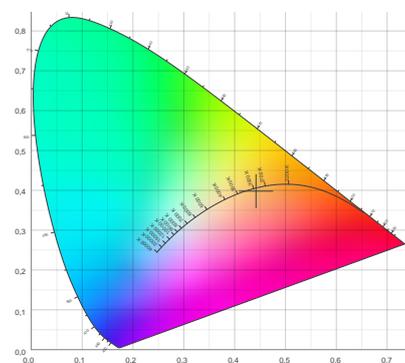
Angular Beam Distribution



Spectral Distribution



CIE 1931

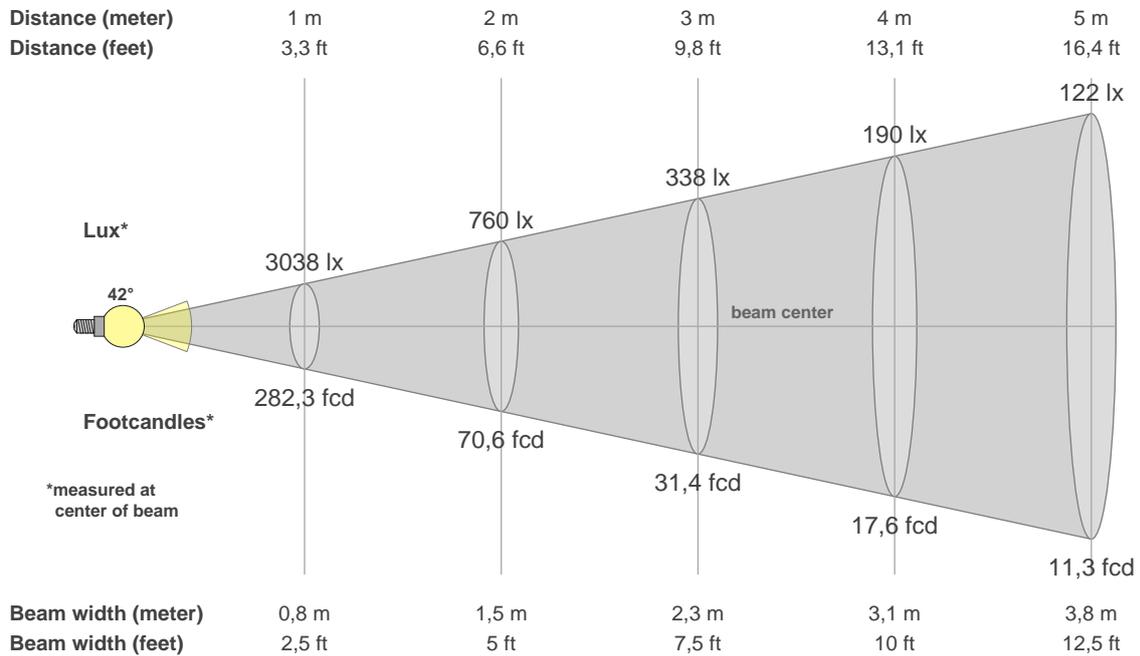


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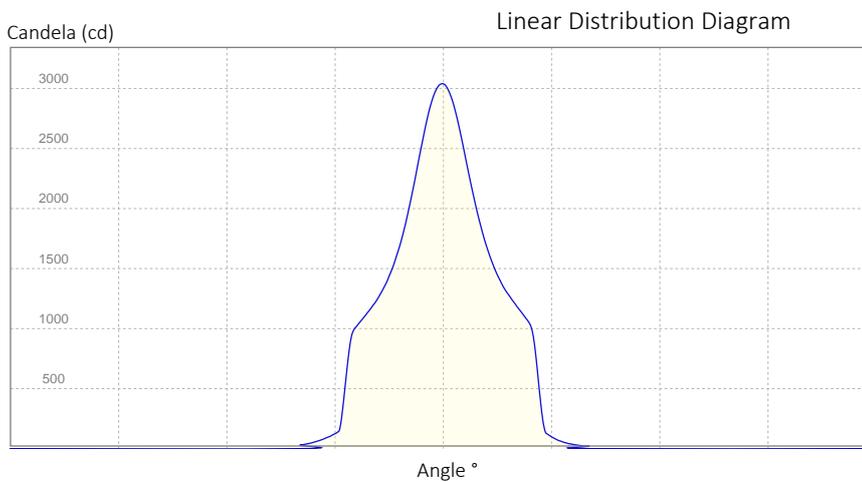
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BEAM DETAILS



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
3038lx	760lx	338lx	190lx	122lx	84lx	62lx	47lx	38lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	9lx	8lx	8lx
282,3fcd	70,6fcd	31,4fcd	17,6fcd	11,3fcd	7,8fcd	5,8fcd	4,4fcd	3,5fcd	2,8fcd	2,3fcd	2fcd	1,7fcd	1,4fcd	1,3fcd	1,1fcd	1fcd	0,9fcd	0,8fcd	0,7fcd



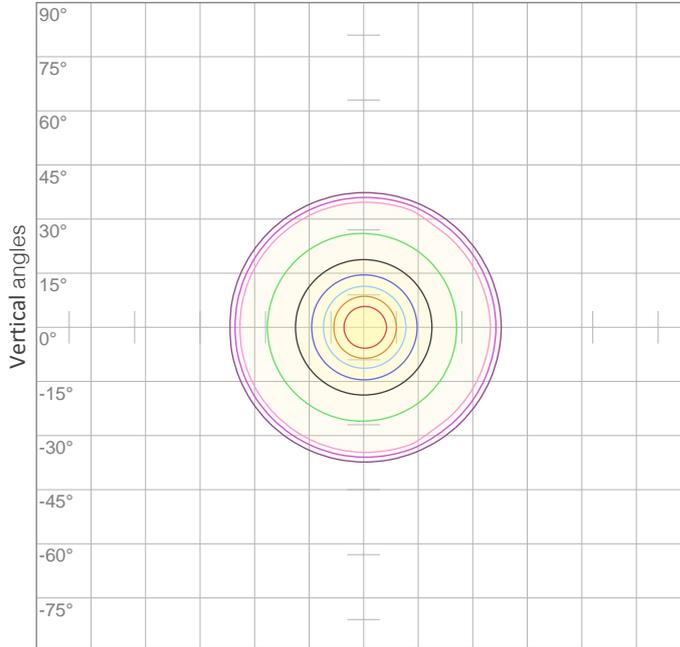
Beam Angle (50%): 41,8 °
 Field Angle (10%): 83 °
 Cutoff Angle (3%): 97,4 °

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POLAR DIAGRAMS



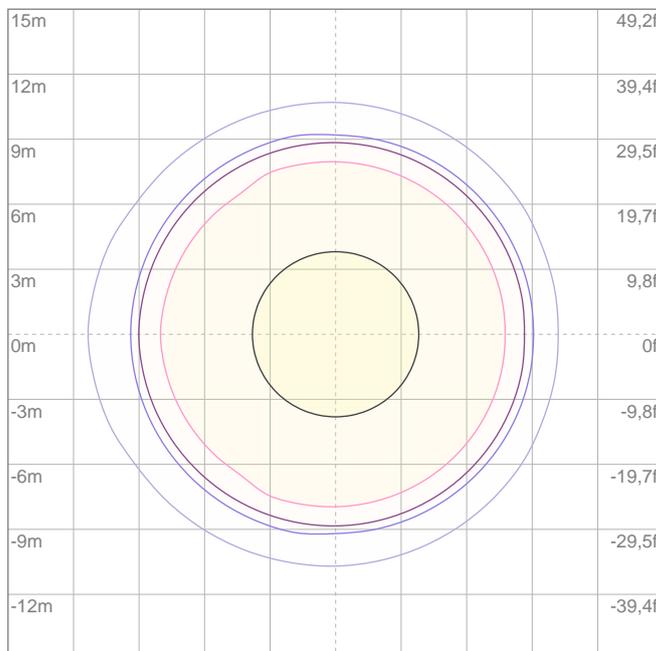
ISO candela diagram

10%	304 cd
20%	608 cd
30%	912 cd
40%	1215 cd
50%	1519 cd
60%	1823 cd
70%	2127 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 3038 cd



ISO lux diagram

3%	0,912 lx
5%	1,52 lx
10%	3,04 lx
30%	9,12 lx
50%	15,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 30,4 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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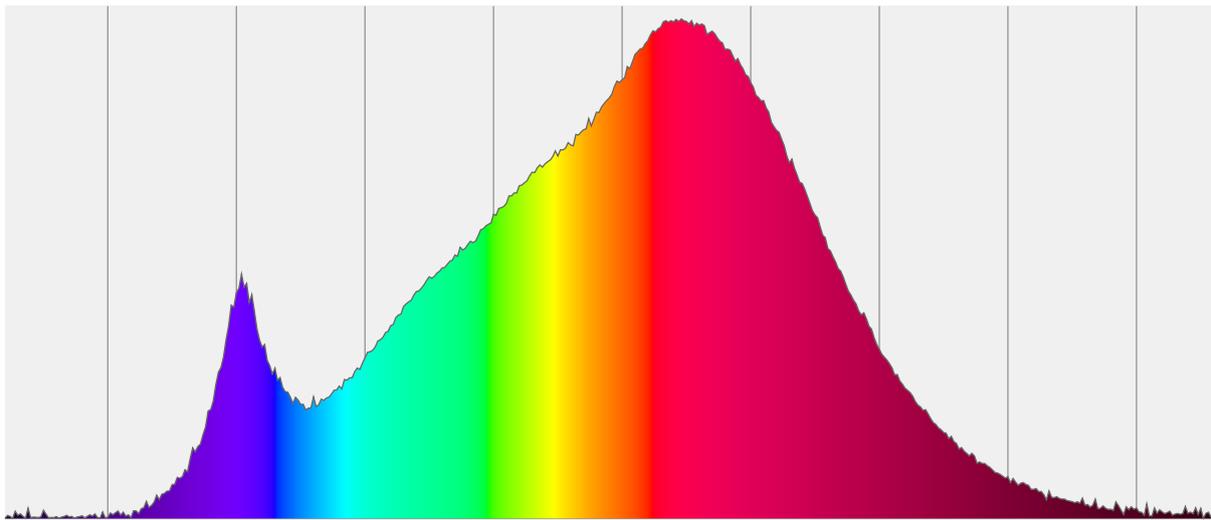
CHROMATICITY REPORT

Total Lumens: 2202 lm
Peak Intensity: 3038 cd
Fixture Efficiency: 61 Lumen/Watt

Color Temperature: 2869 K
CRI: 93,5
CRI R9: 66,7
CQS: 90,0
TM-30 Rf: 91,7
TM-30 Rg: 101,1
 Δuv : -0,0031
1st Dominant Wavelength: 623 nm
2nd Dominant Wavelength: 452 nm



Spectral Distribution



Color

2869 K
CIE 1931 Coordinates:
X: 0,442 Y: 0,398

Color Temperature

2869 K

CRI

93,5

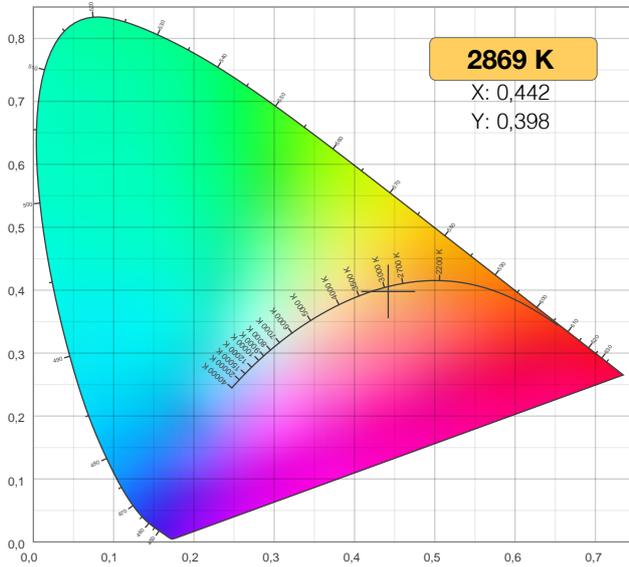
Photometric Report



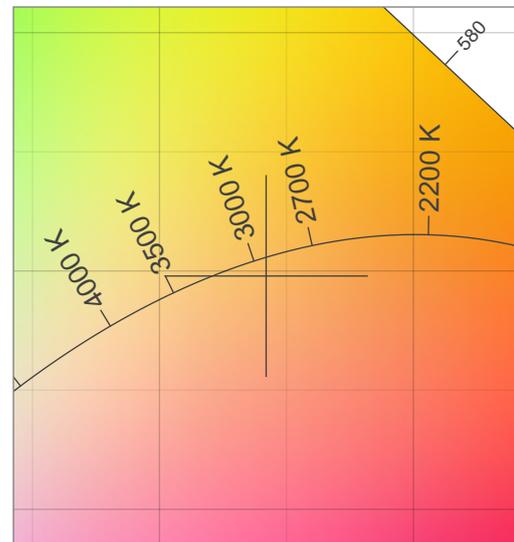
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CHROMATICITY

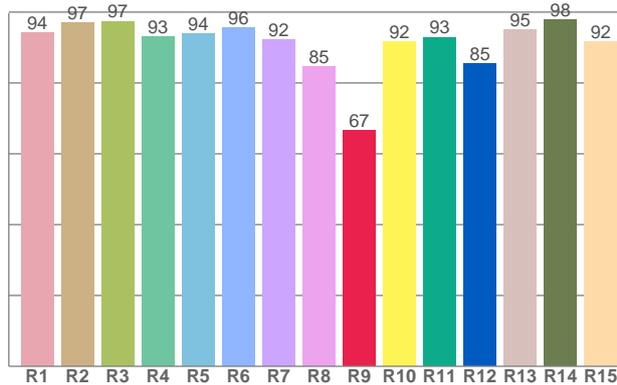
CIE 1931



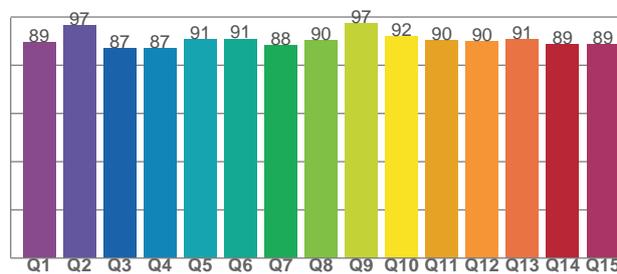
CIE 1931 - Detail



CRI: 93,5 (R1-R8)



CQSI: 90,0



Photometric Report



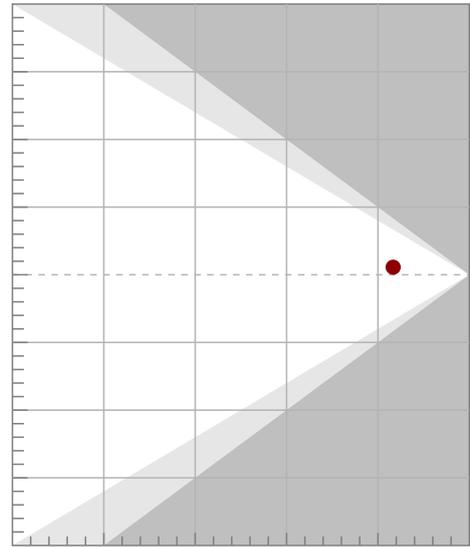
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TM-30-18 DETAILS

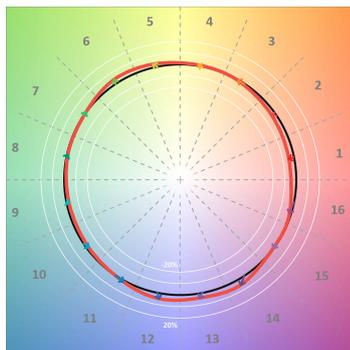
Rf 91,7
Fidelity index Rf

Rg 101,1
Gamut index Rg

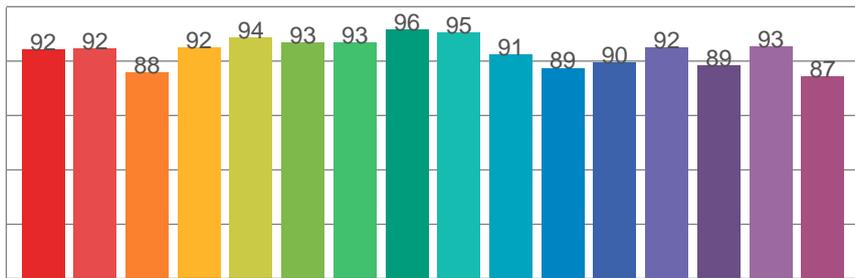
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	92	-3%	3%
3	88	0%	6%
4	92	1%	4%
5	94	3%	3%
6	93	4%	-1%
7	93	0%	-4%
8	96	-1%	-2%
9	95	-2%	1%
10	91	-2%	5%
11	89	1%	8%
12	90	5%	2%
13	92	4%	-4%
14	89	5%	-7%
15	93	0%	-5%
16	87	-2%	-10%



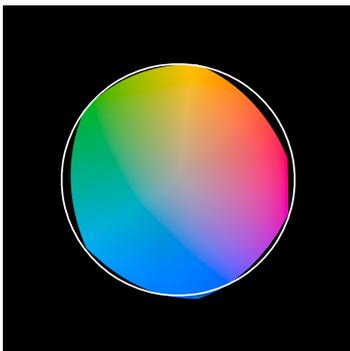
TM30-18 Color Vectors



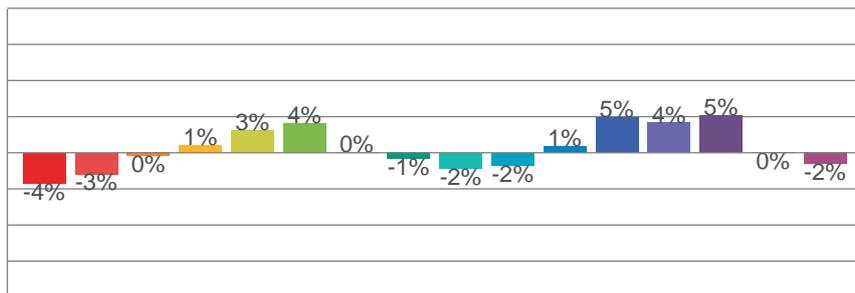
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

