Photometric Report

200550_Raccoon P7-7 (4200K), Color space: Native
Led mode: High Quality
Calibration: ON
, Ordercode

REPORT SUMMARY

Output

Total Lumens:	2764 Lumen
Peak Intensity:	31462 candela
Illuminance @ 5m:	1257 lx
CRI:	88,6
CCT:	4172 K



Optical

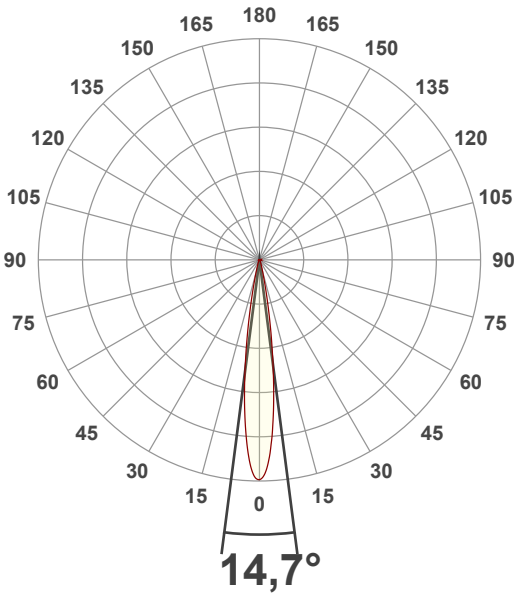
Beam Angle (50%)	14,8 °
Field Angle (10%)	26,4 °

Conditions:

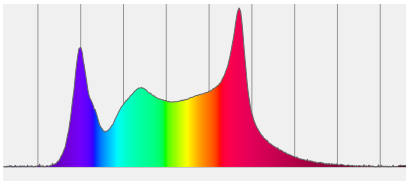
Power Supply:	224 V
Power:	61,1 W
Current:	0,333 A
Power Factor:	0,82

MEASUREMENTS

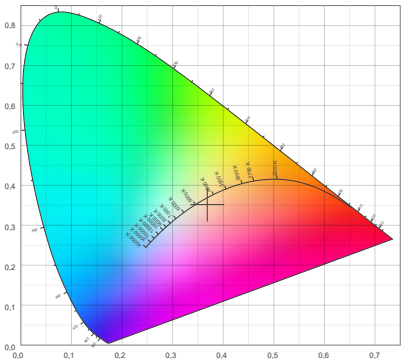
Angular Beam Distribution



Spectral Distibution



CIE 1931

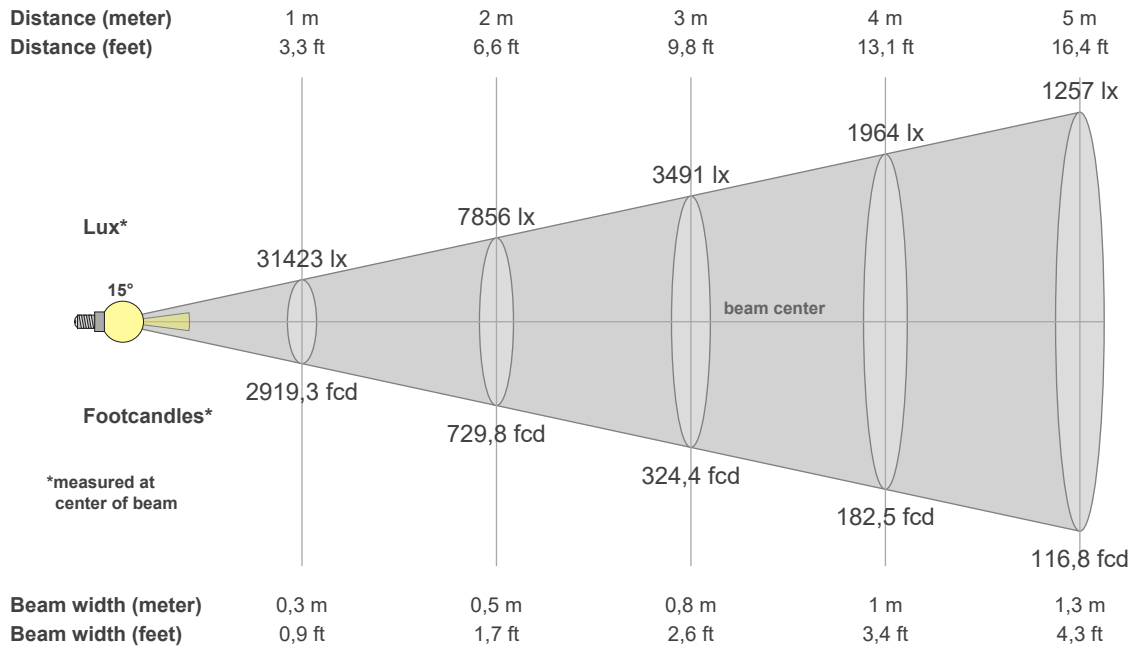


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Photometric Report

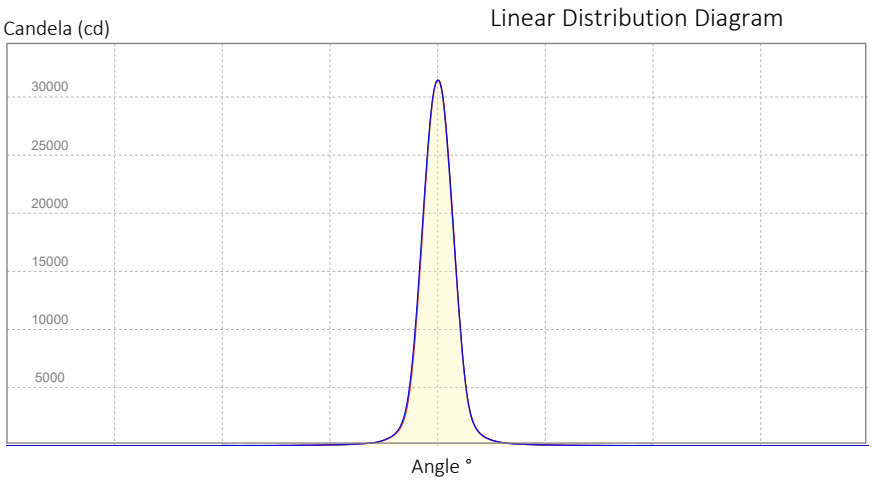
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BEAM DETAILS



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
31423lx	**7856lx**	**3491lx**	**1964lx**	**1257lx**	**873lx**	**641lx**	**491lx**	**388lx**	**314lx**	**260lx**	**218lx**	**186lx**	**160lx**	**140lx**	**123lx**	**109lx**	**97lx**	**87lx**	**79lx**
2919,3fcd	729,8fcd	324,4fcd	182,5fcd	116,8fcd	81,1fcd	59,6fcd	45,6fcd	36fcd	29,2fcd	24,1fcd	20,3fcd	17,3fcd	14,9fcd	13fcd	11,4fcd	10,1fcd	9fcd	8,1fcd	7,3fcd



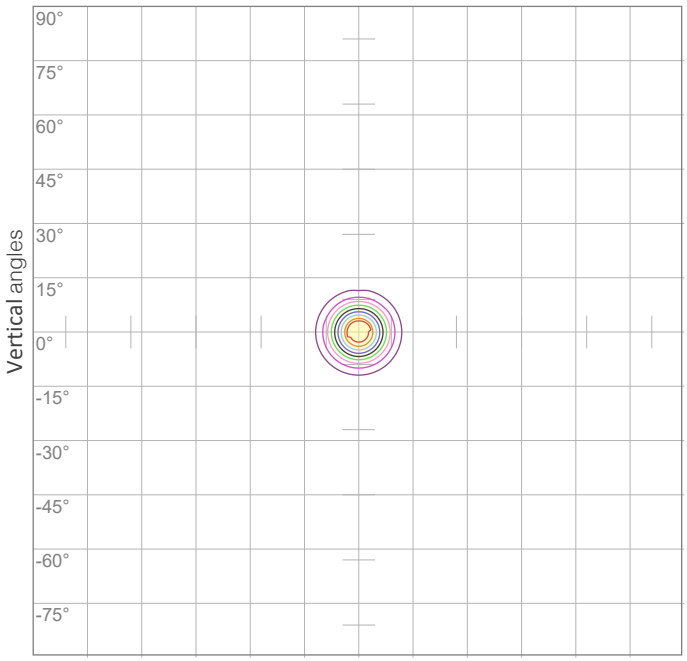
Beam Angle (50%): 14,8 °
Field Angle (10%): 26,4 °
Cutoff Angle (3%): 38,6 °

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Photometric Report

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POLAR DIAGRAMS



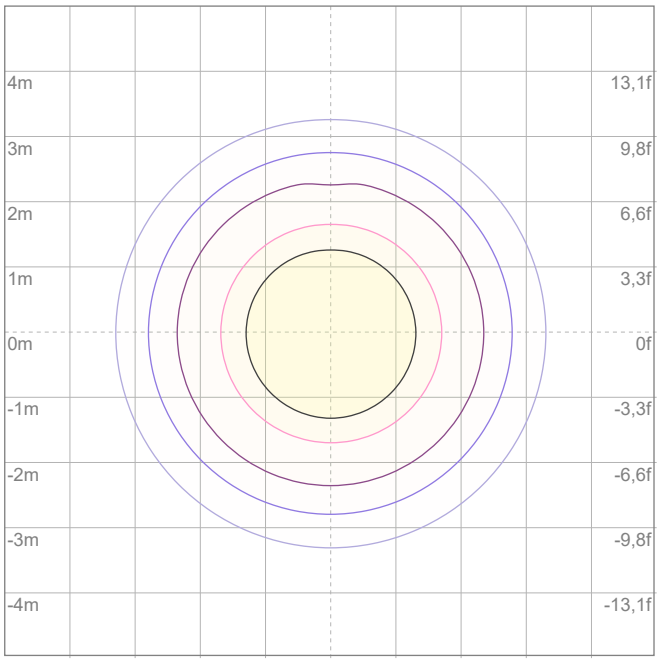
ISO candela diagram

10%	3142 cd
20%	6285 cd
30%	9427 cd
40%	12569 cd
50%	15711 cd
60%	18854 cd
70%	21996 cd

Conditions:

Number of c-planes: 4

Candela at center: 31423 cd



ISO lux diagram

3%	9,43 lx
5%	15,7 lx
10%	31,4 lx
30%	94,3 lx
50%	157 lx

Conditions:

Number of c-planes: 4

Lux at center: 314 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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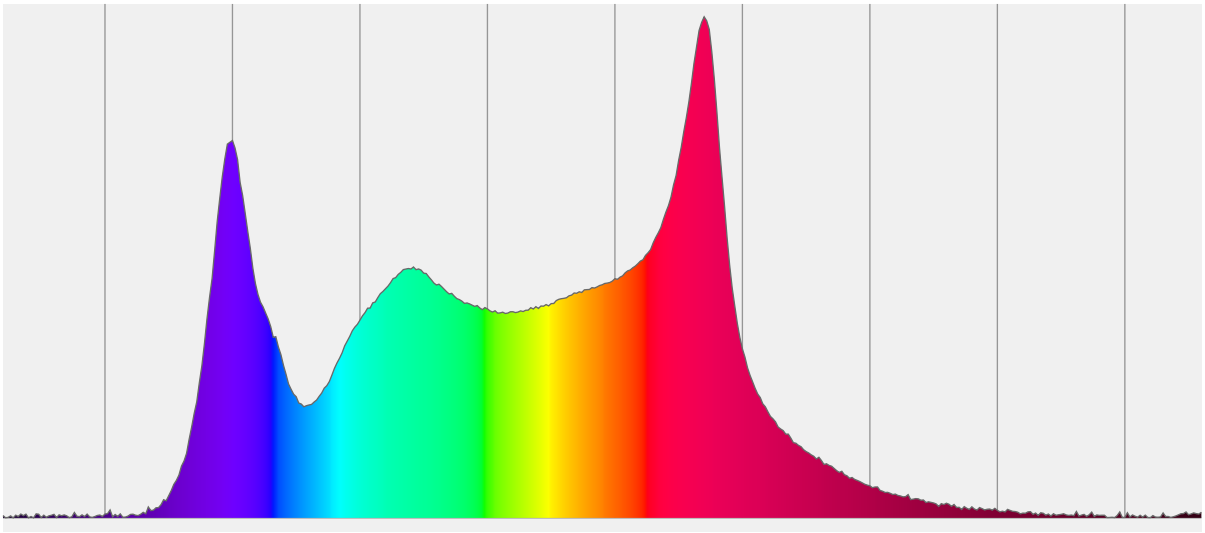
Horizontal angles

CHROMATICITY REPORT

Total Lumens:	2764 lm
Peak Intensity:	31462 cd
Fixture Efficiency:	45 Lumen/Watt
Color Temperature:	4172 K
CRI:	88,6
CRI R9:	58,3
CQS:	95,3
TM-30 Rf:	92,2
TM-30 Rg:	107,0
Δuv:	-0,0085
1st Dominant Wavelength:	635 nm
2nd Dominant Wavelength:	450 nm



Spectral Distribution



Color

4172 K
CIE 1931 Coordinates:
X: 0,368 Y: 0,352

Color Temperature

4172 K

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Photometric Report

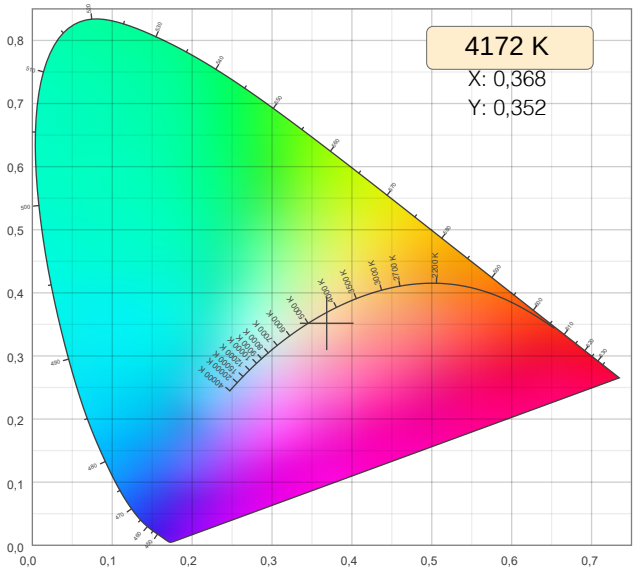
200550_Raccoon P7-7 (4200K), Color space: Native
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CRI

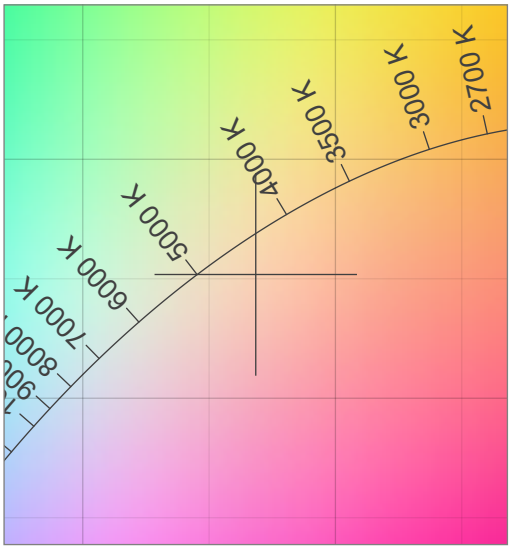


CHROMATICITY

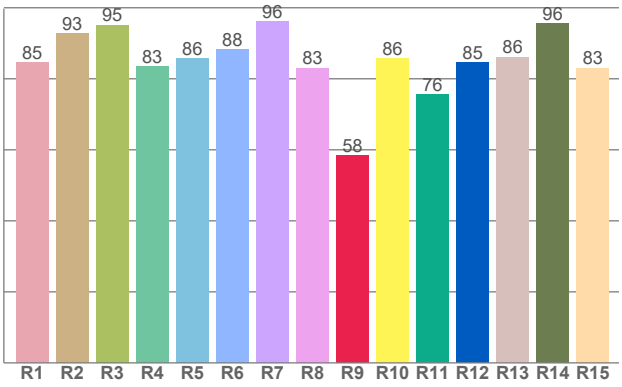
CIE 1931



CIE 1931 - Detail



CRI: 88,6 (R1-R8)

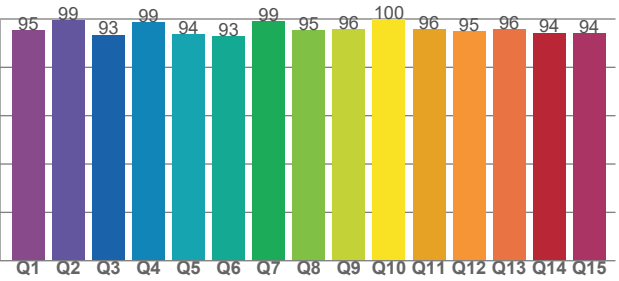


CQSI: 95,3

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Photometric Report

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TM-30-18 DETAILS

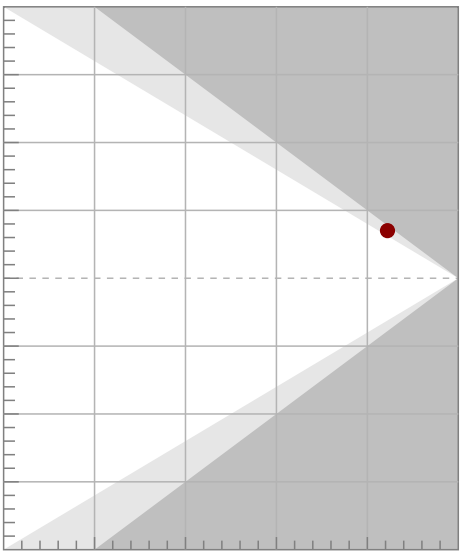
Rf 92,2

Fidelity index Rf

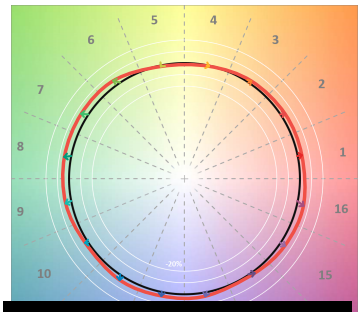
Rg 107,0

Gamut index Rg

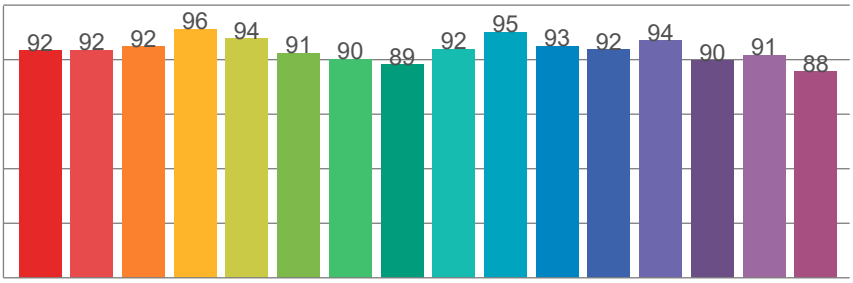
		Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	92	4%	0%
2	92	4%	-2%
3	92	3%	-1%
4	96	0%	-2%
5	94	-1%	1%
6	91	5%	4%
7	90	5%	3%
8	89	6%	2%
9	92	5%	1%
10	95	2%	-1%
11	93	4%	2%
12	92	4%	0%
13	94	4%	-2%
14	90	2%	5%
15	91	5%	0%
16	88	6%	-3%



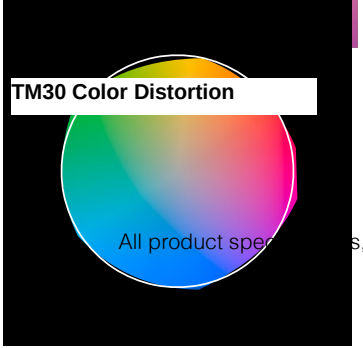
TM30-18 Color Vectors



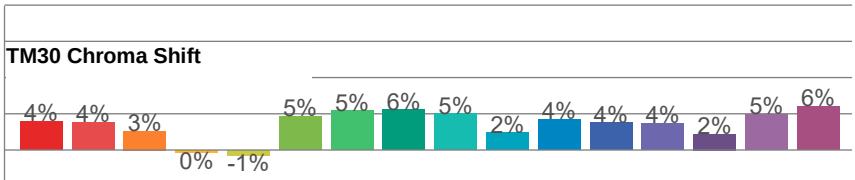
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift

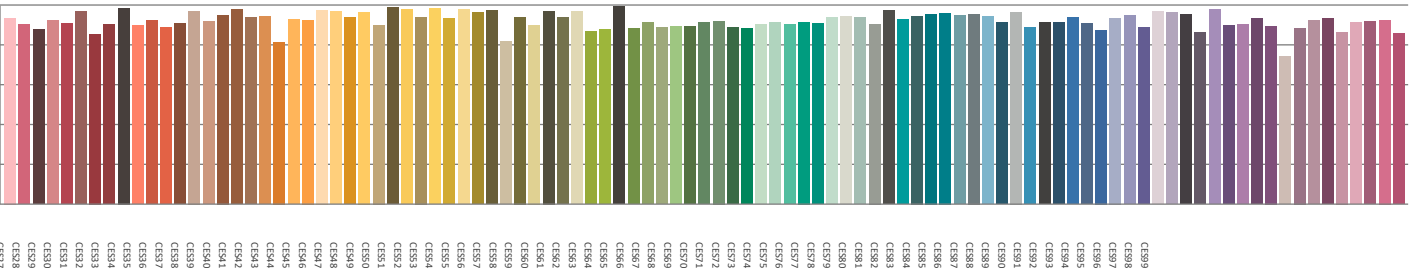


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TM30 Color Fidelity Sample Chart



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