

Photometric Report



Canberra-1R 7W WW 3000K 24gr, , Ordercode A0720090

REPORT SUMMARY

Output

Total Lumens: 477 Lumen
Peak Intensity: 2233 candela
Illuminance @ 5m: 89 lx
CRI: 83,9
CCT: 3051 K

Optical

Beam Angle (50%) 22,1 °
Field Angle (10%) 46 °

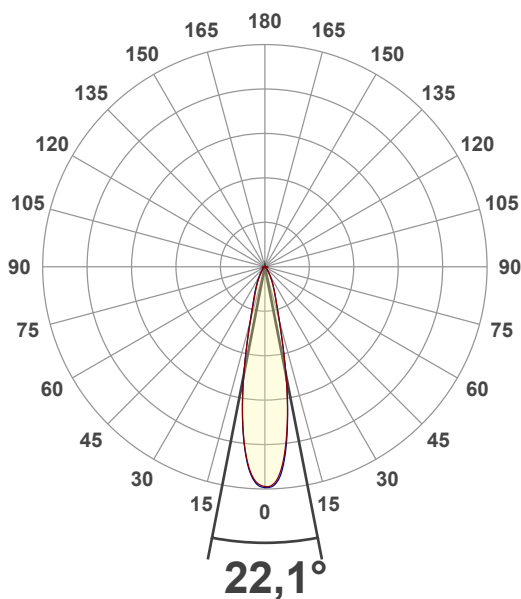
Conditions:

Power Supply: 228 V
Power: 6,8 W
Current: 0,052 A
Power Factor: 0,57

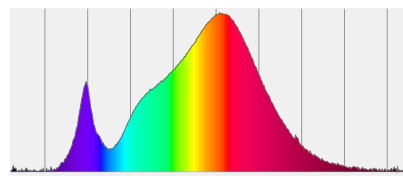


MEASUREMENTS

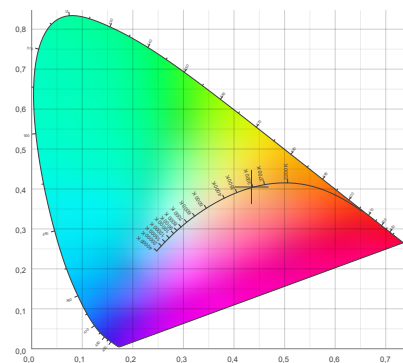
Angular Beam Distribution



Spectral Distribution



CIE 1931

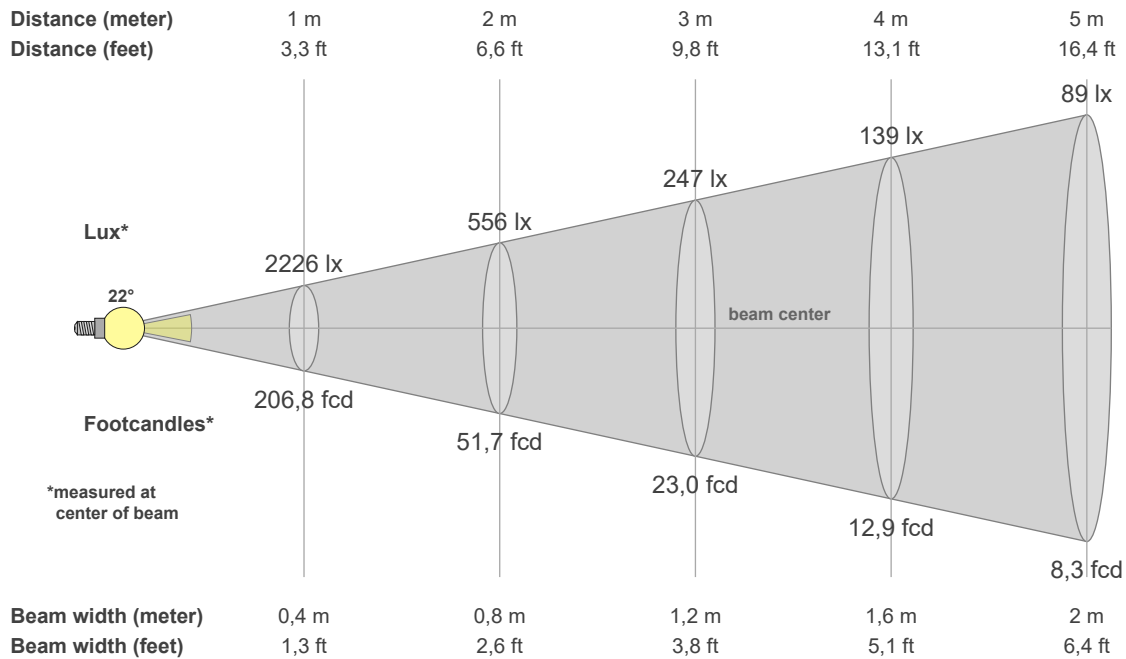


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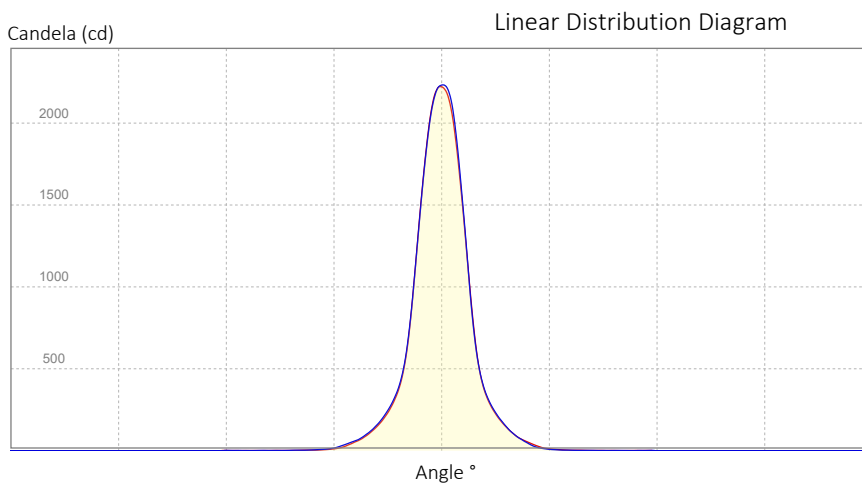
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BEAM DETAILS



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
2226lx	556lx	247lx	139lx	89lx	62lx	45lx	35lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
206,8fcd	51,7fcd	23fcd	12,9fcd	8,3fcd	5,7fcd	4,2fcd	3,2fcd	2,6fcd	2,1fcd	1,7fcd	1,4fcd	1,2fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd

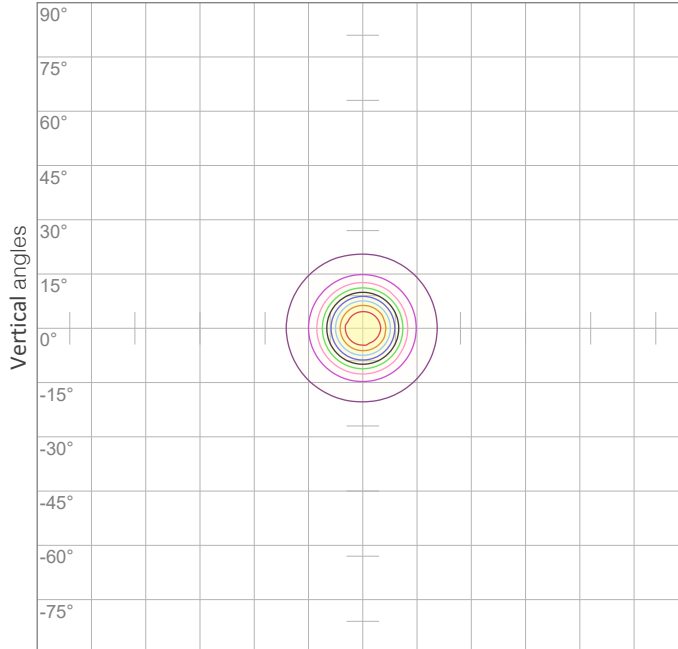


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POLAR DIAGRAMS



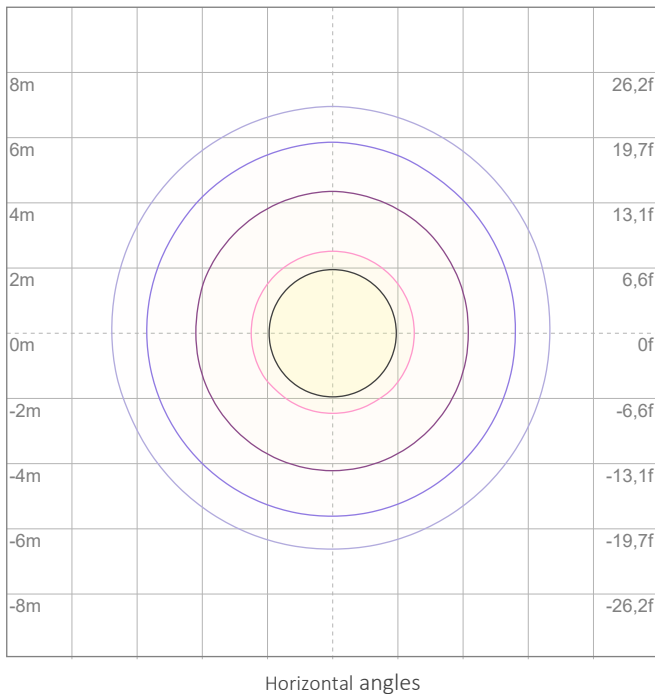
ISO candela diagram

10%	223 cd
20%	445 cd
30%	668 cd
40%	890 cd
50%	1113 cd
60%	1336 cd
70%	1558 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 2226 cd



ISO lux diagram

3%	0,668 lx
5%	1,11 lx
10%	2,23 lx
30%	6,68 lx
50%	11,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 22,3 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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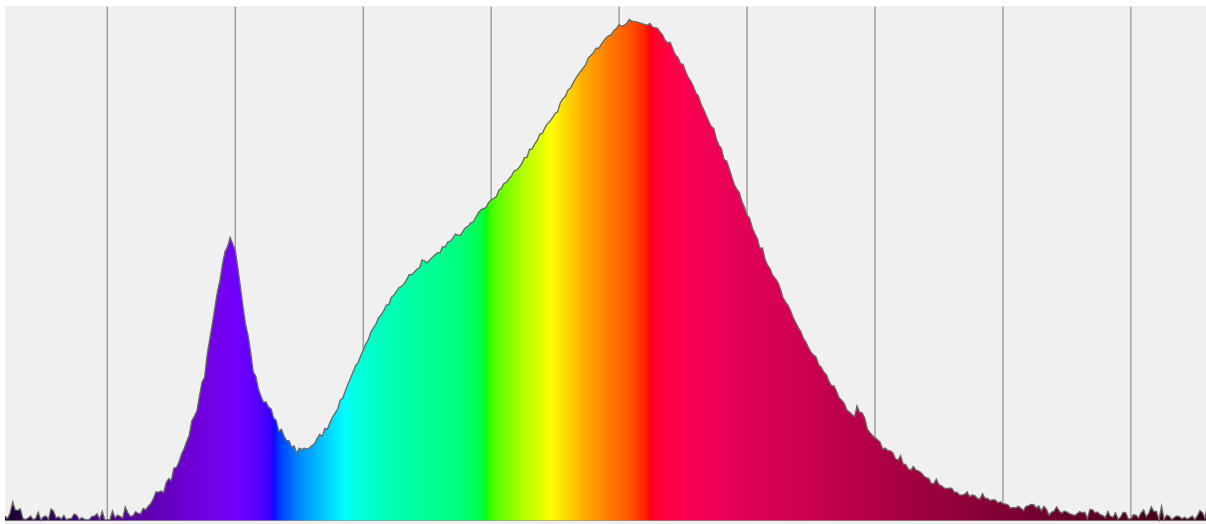
CHROMATICITY REPORT

Total Lumens: 477 lm
Peak Intensity: 2233 cd
Fixture Efficiency: 71 Lumen/Watt

Color Temperature: 3051 K
CRI: 83,9
CRI R9: 14,8
CQS: 83,0
TM-30 Rf: 85,1
TM-30 Rg: 98,5
 Δuv : 0,0007
1st Dominant Wavelength: 604 nm
2nd Dominant Wavelength: 448 nm



Spectral Distribution



Color

3051 K
CIE 1931 Coordinates:
X: 0,435 Y: 0,405

Color Temperature

3051 K

CRI

83,9

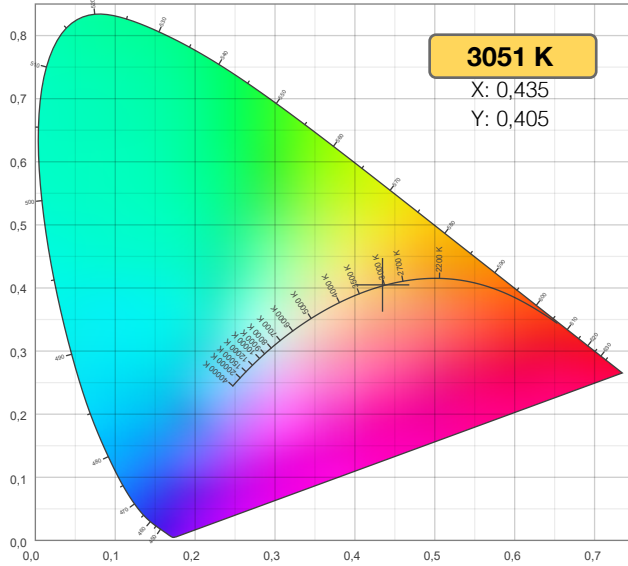
Photometric Report



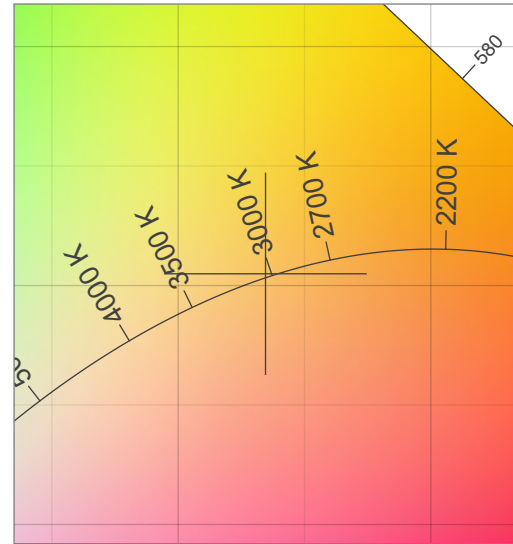
Canberra-1R 7W WW 3000K 24gr, , Ordercode A0720090

CHROMATICITY

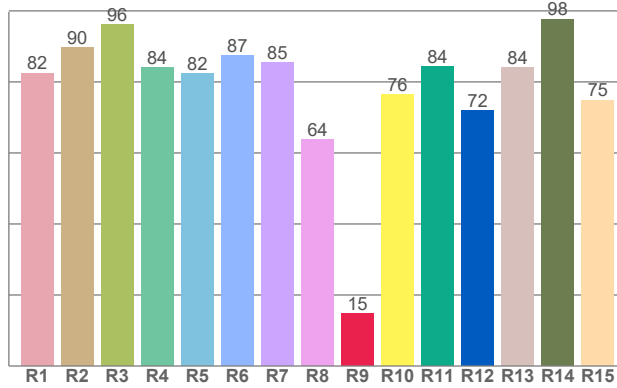
CIE 1931



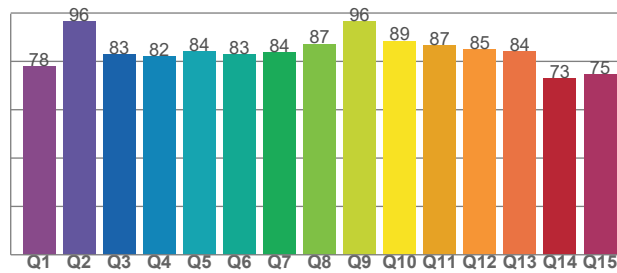
CIE 1931 - Detail



CRI: 83,9 (R1-R8)



CQSI: 83,0



Photometric Report



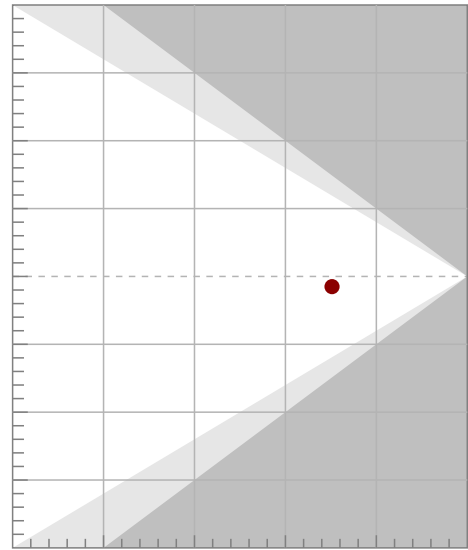
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TM-30-18 DETAILS

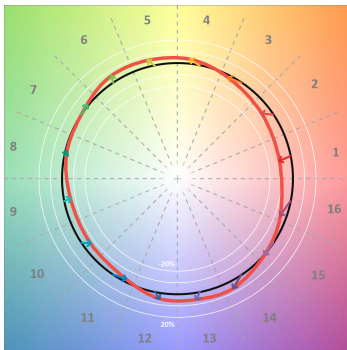
Rf 85,1
Fidelity index Rf

Rg 98,5
Gamut index Rg

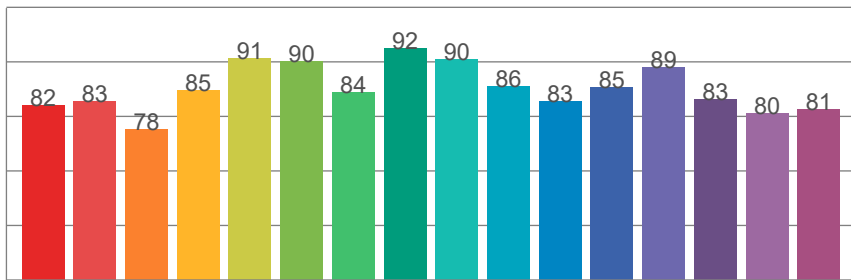
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	83	-8%	6%
3	78	-3%	12%
4	85	4%	9%
5	91	6%	5%
6	90	6%	-2%
7	84	1%	-10%
8	92	-2%	-4%
9	90	-6%	-1%
10	86	-6%	5%
11	83	-3%	12%
12	85	5%	5%
13	89	6%	-4%
14	83	6%	-12%
15	80	0%	-13%
16	81	-6%	-14%



TM30-18 Color Vectors



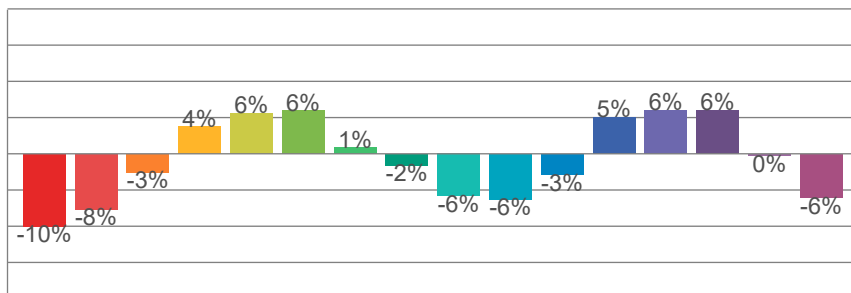
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

