

Photometric Report

Canberra-3R 20W WW 3000K 24gr, , Ordercode A0720092

REPORT SUMMARY

Output

Total Lumens: 1846 Lumen
Peak Intensity: 8727 candela
Illuminance @ 5m: 347 lx
CRI: 84,0
CCT: 2989 K

Optical

Beam Angle (50%) 24 °
Field Angle (10%) 43,6 °

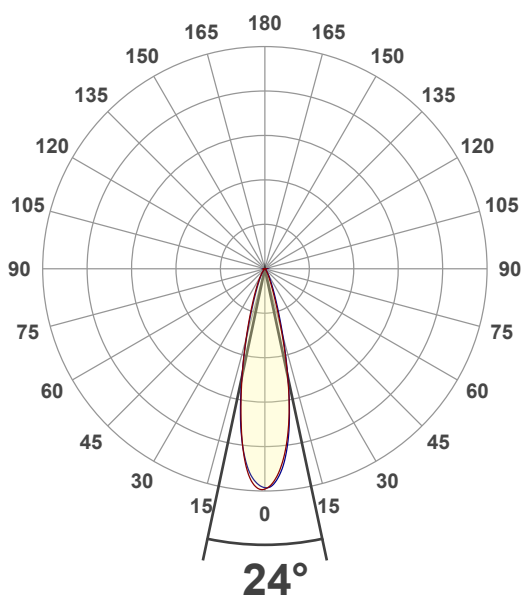
Conditions:

Power Supply: 225 V
Power: 21,1 W
Current: 0,097 A
Power Factor: 0,97



MEASUREMENTS

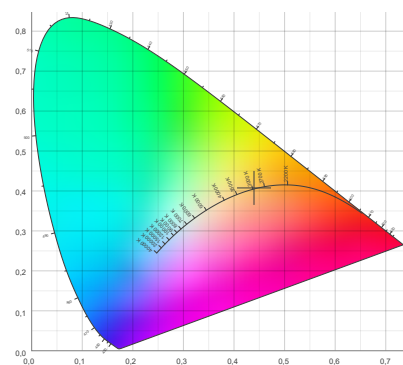
Angular Beam Distribution



Spectral Distribution



CIE 1931

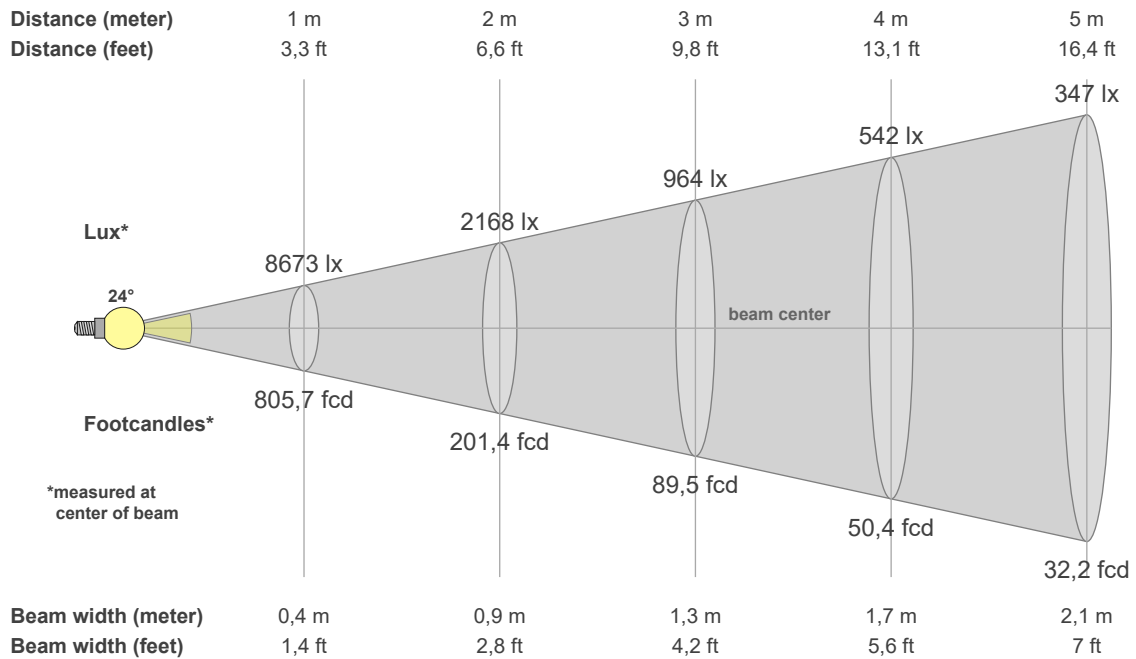


Photometric Report



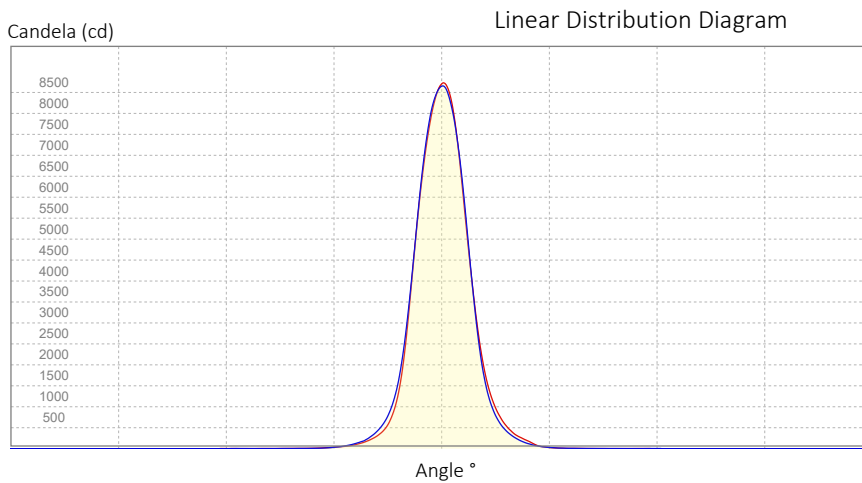
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BEAM DETAILS



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
8673lx	2168lx	964lx	542lx	347lx	241lx	177lx	136lx	107lx	87lx	72lx	60lx	51lx	44lx	39lx	34lx	30lx	27lx	24lx	22lx
805,7fcd	201,4fcd	89,5fcd	50,4fcd	32,2fcd	22,4fcd	16,4fcd	12,6fcd	9,9fcd	8,1fcd	6,7fcd	5,6fcd	4,8fcd	4,1fcd	3,6fcd	3,1fcd	2,8fcd	2,5fcd	2,2fcd	2fcd



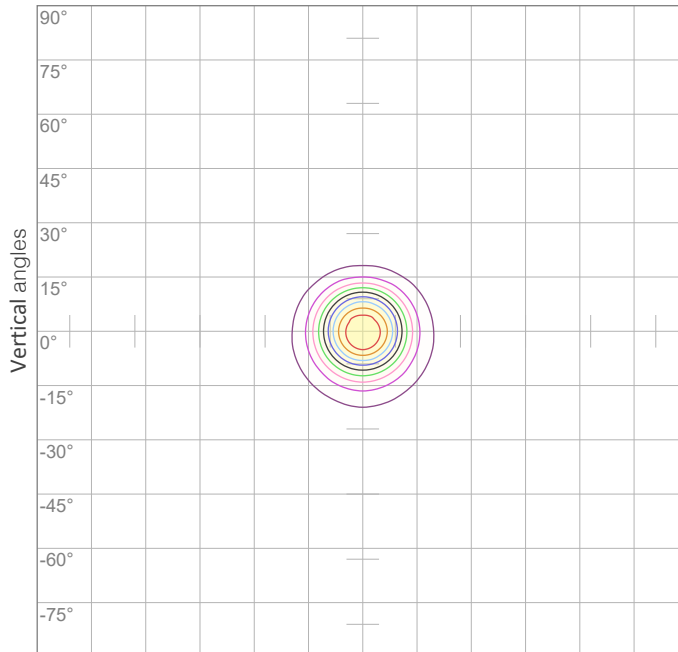
Beam Angle (50%): 24 °
 Field Angle (10%): 43,6 °
 Cutoff Angle (3%): 64 °

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POLAR DIAGRAMS



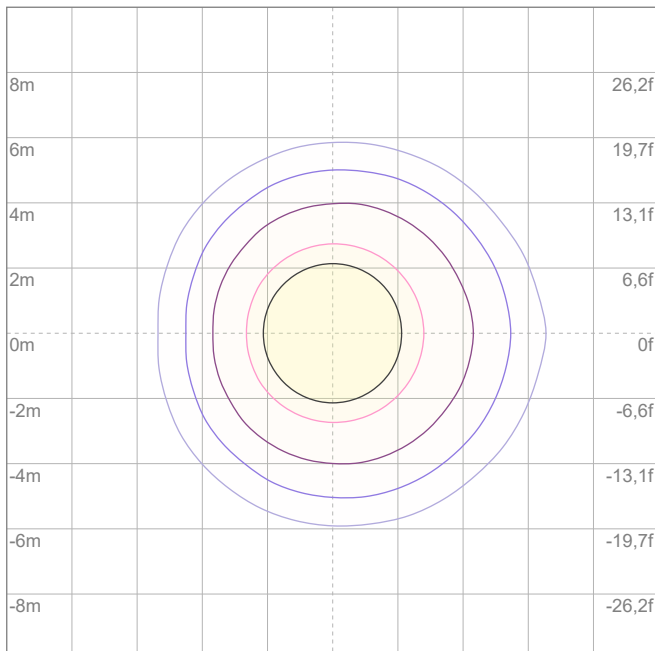
ISO candela diagram

10%	867 cd
20%	1735 cd
30%	2602 cd
40%	3469 cd
50%	4336 cd
60%	5204 cd
70%	6071 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 8673 cd



ISO lux diagram

3%	2,60 lx
5%	4,34 lx
10%	8,67 lx
30%	26,0 lx
50%	43,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 86,7 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: 1846 lm
Peak Intensity: 8727 cd
Fixture Efficiency: 87 Lumen/Watt

Color Temperature: 2989 K
CRI: 84,0
CRI R9: 14,3
CQS: 83,2
TM-30 Rf: 85,5
TM-30 Rg: 98,0
 Δuv : 0,0011
1st Dominant Wavelength: 604 nm
2nd Dominant Wavelength: 448 nm



Spectral Distribution



Color

2989 K
CIE 1931 Coordinates:
X: 0,440 Y: 0,408

Color Temperature

2989 K

CRI

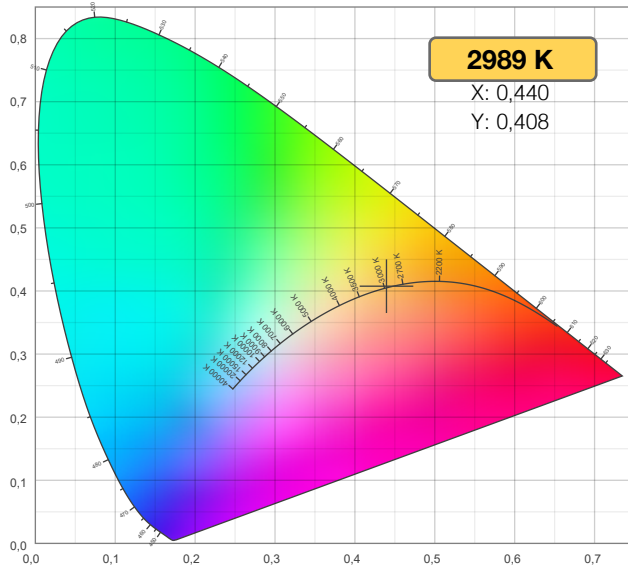
84,0

Photometric Report

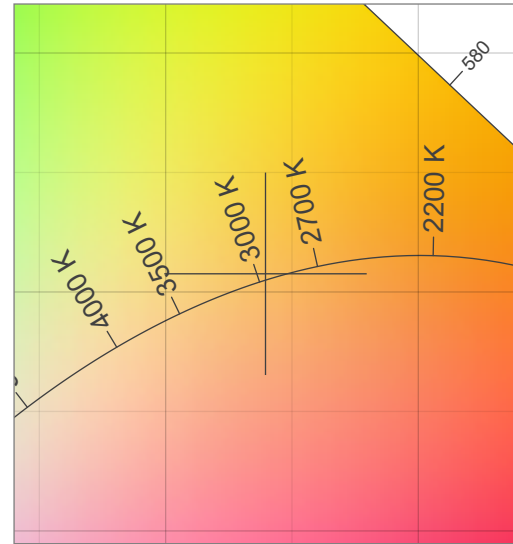
Canberra-3R 20W WW 3000K 24gr, , Ordercode A0720092

CHROMATICITY

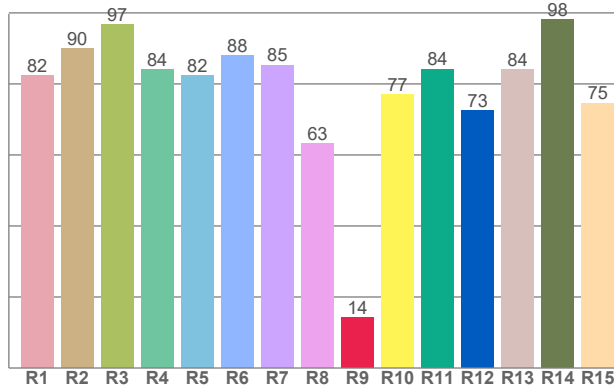
CIE 1931



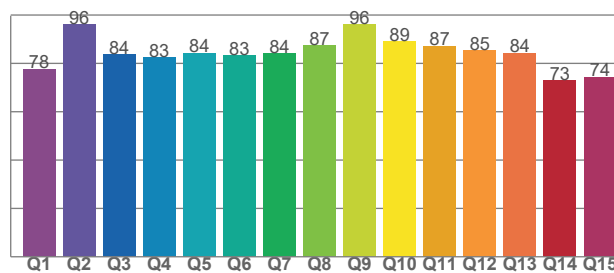
CIE 1931 - Detail



CRI: 84,0 (R1-R8)



CQSI: 83,2



Photometric Report



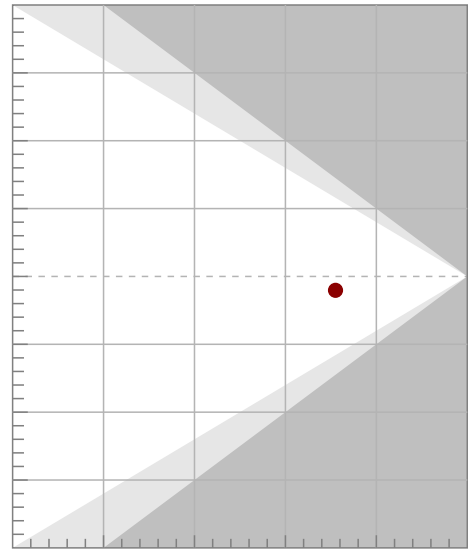
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TM-30-18 DETAILS

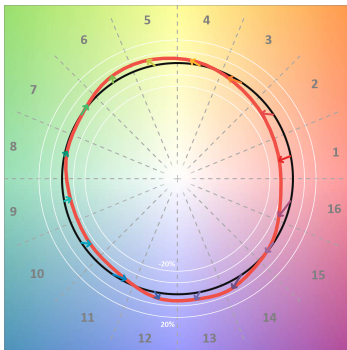
Rf 85,5
Fidelity index Rf

Rg 98,0
Gamut index Rg

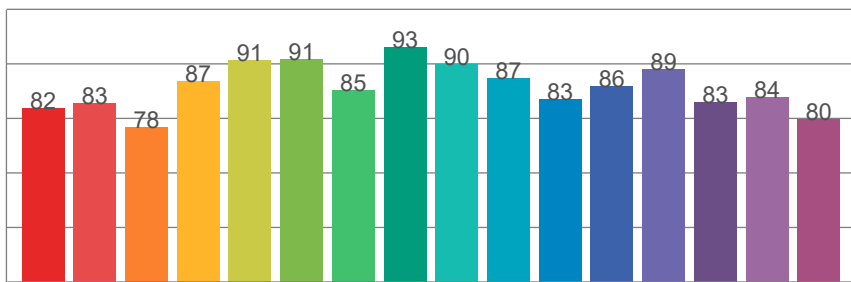
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	83	-8%	6%
3	78	-3%	11%
4	87	3%	8%
5	91	6%	5%
6	91	5%	-2%
7	85	0%	-9%
8	93	-2%	-4%
9	90	-6%	-1%
10	87	-6%	5%
11	83	-3%	11%
12	86	5%	4%
13	89	6%	-5%
14	83	6%	-13%
15	84	0%	-10%
16	80	-7%	-15%



TM30-18 Color Vectors



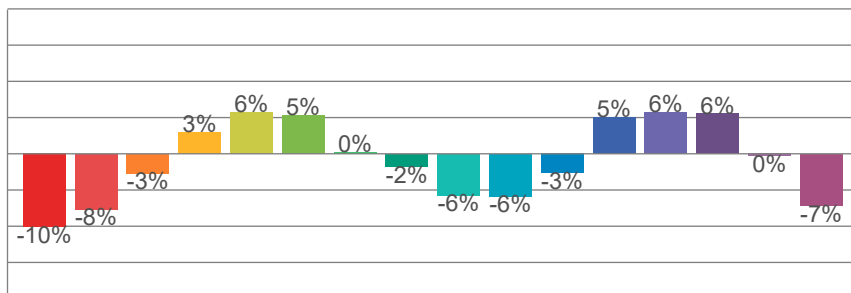
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

