

Photometric Report



Canberra-2R 12W WW 3000K 24gr, , Ordercode A0720091

REPORT SUMMARY

Output

Total Lumens: 1075 Lumen
Peak Intensity: 5124 candela
Illuminance @ 5m: 205 lx
CRI: 84,1
CCT: 2995 K



Optical

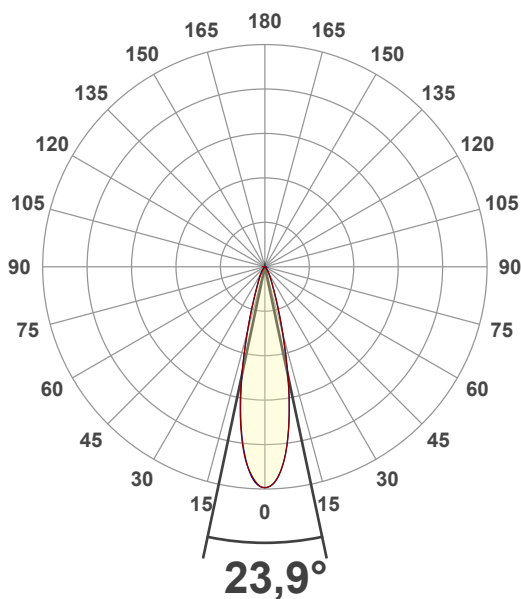
Beam Angle (50%) 23,9 °
Field Angle (10%) 43 °

Conditions:

Power Supply: 228 V
Power: 12,5 W
Current: 0,059 A
Power Factor: 0,93

MEASUREMENTS

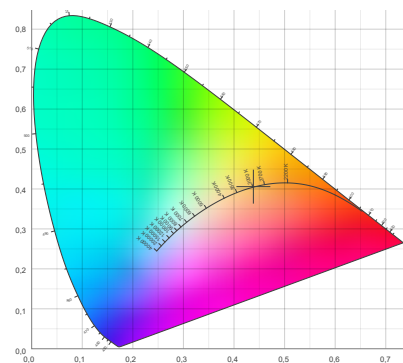
Angular Beam Distribution



Spectral Distribution



CIE 1931

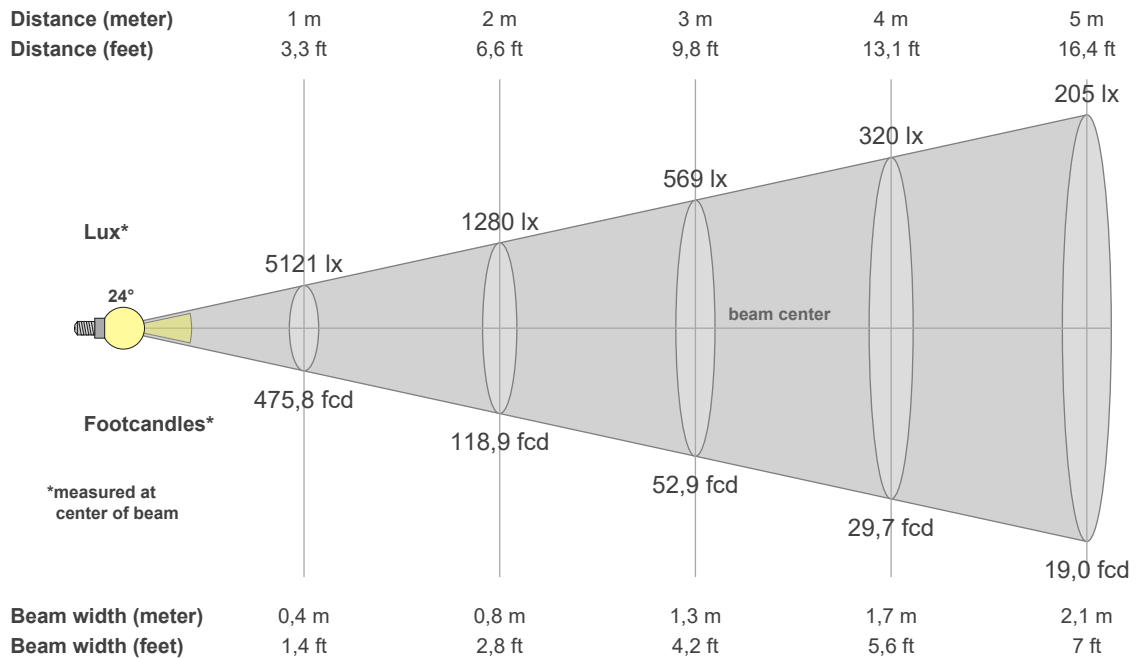


Photometric Report



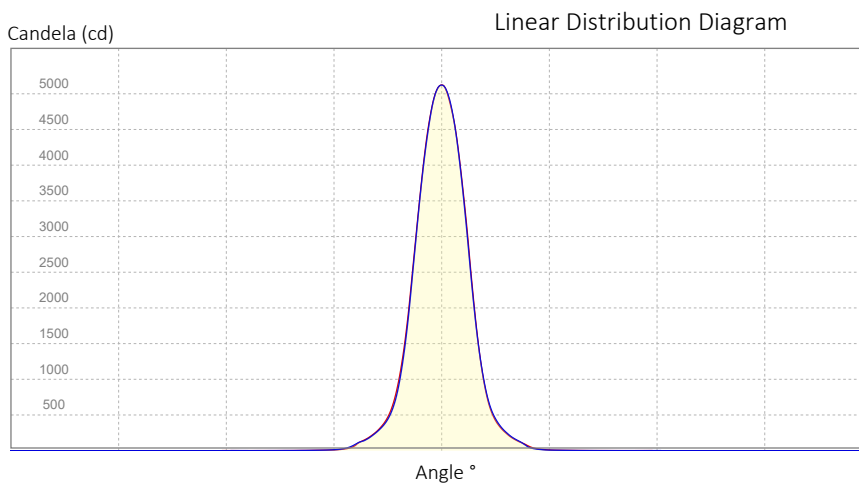
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BEAM DETAILS



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 |
| 5121lx | 1280lx | 569lx | 320lx | 205lx | 142lx | 105lx | 80lx | 63lx | 51lx | 42lx | 36lx | 30lx | 26lx | 23lx | 20lx | 18lx | 16lx | 14lx | 13lx |
| 475,8fcd | 118,9fcd | 52,9fcd | 29,7fcd | 19fcd | 13,2fcd | 9,7fcd | 7,4fcd | 5,9fcd | 4,8fcd | 3,9fcd | 3,3fcd | 2,8fcd | 2,4fcd | 2,1fcd | 1,9fcd | 1,6fcd | 1,5fcd | 1,3fcd | 1,2fcd |



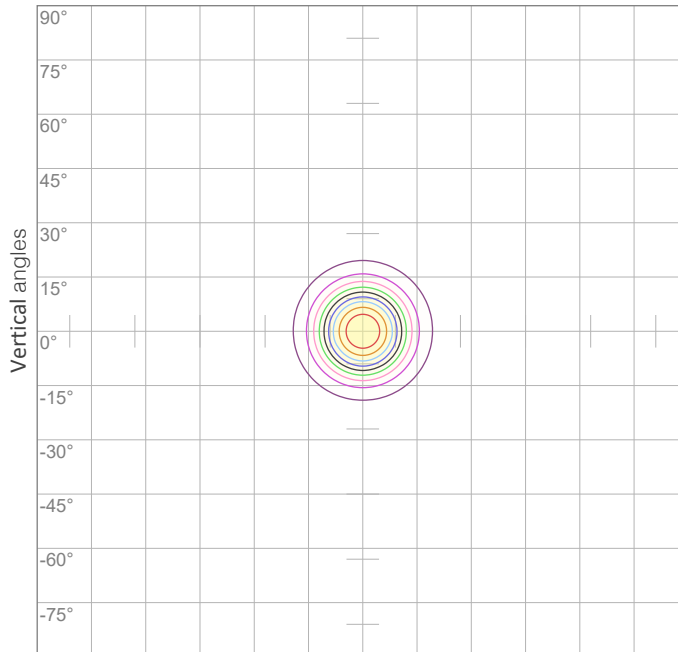
Beam Angle (50%): 23,9 °
 Field Angle (10%): 43 °
 Cutoff Angle (3%): 65,9 °

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POLAR DIAGRAMS



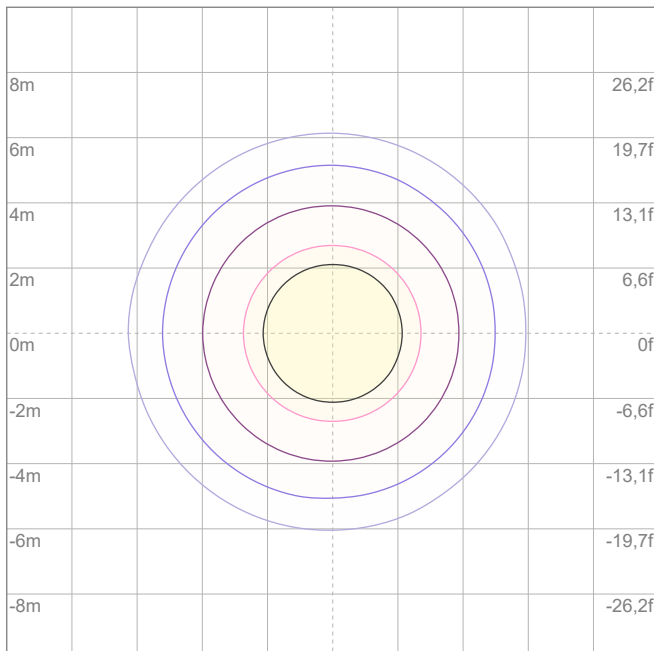
ISO candela diagram

| | |
|-----|---------|
| 10% | 512 cd |
| 20% | 1024 cd |
| 30% | 1536 cd |
| 40% | 2048 cd |
| 50% | 2560 cd |
| 60% | 3073 cd |
| 70% | 3585 cd |

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 5121 cd



ISO lux diagram

| | |
|-----|---------|
| 3% | 1,54 lx |
| 5% | 2,56 lx |
| 10% | 5,12 lx |
| 30% | 15,4 lx |
| 50% | 25,6 lx |

Conditions:

Number of c-planes: 4

Lux at center: 51,2 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: 1075 lm
Peak Intensity: 5124 cd
Fixture Efficiency: 86 Lumen/Watt

Color Temperature: 2995 K
CRI: 84,1
CRI R9: 15,2
CQS: 83,2
TM-30 Rf: 85,5
TM-30 Rg: 98,0
 Δuv : 0,0005
1st Dominant Wavelength: 606 nm
2nd Dominant Wavelength: 450 nm



Spectral Distribution



Color

2995 K
CIE 1931 Coordinates:
X: 0,438 Y: 0,406

Color Temperature

2995 K

CRI

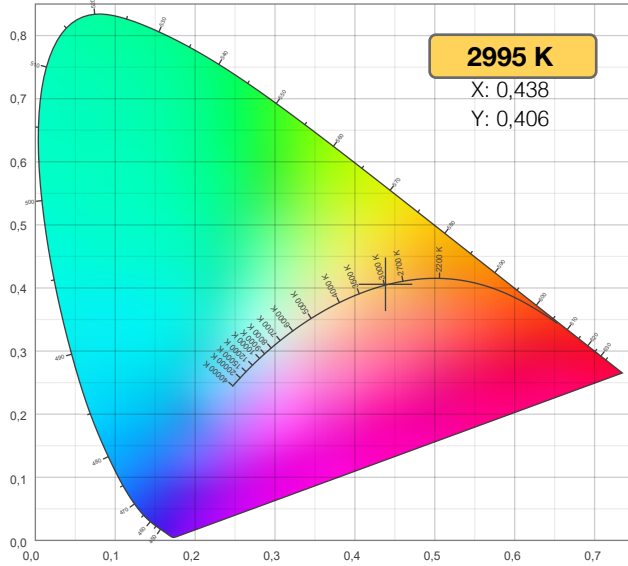
84,1

Photometric Report

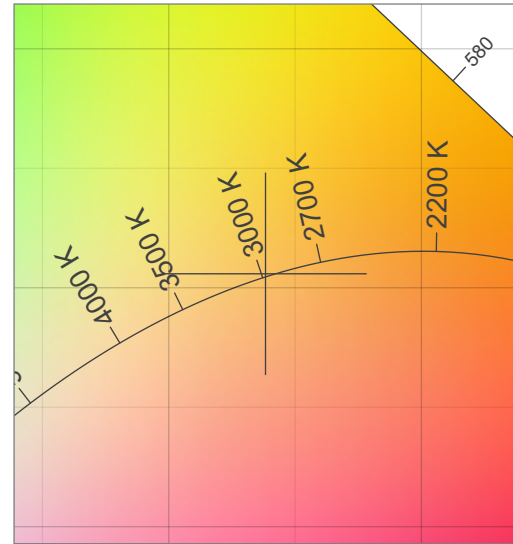
Canberra-2R 12W WW 3000K 24gr, , Ordercode A0720091

CHROMATICITY

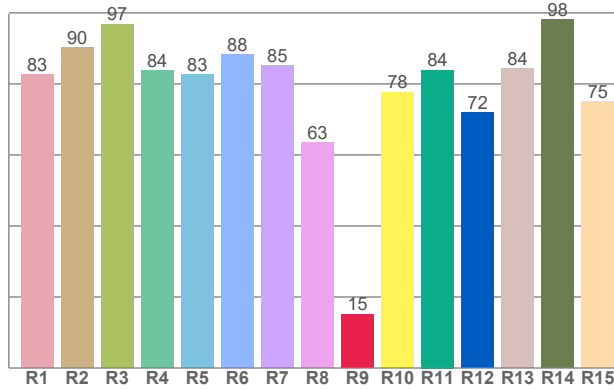
CIE 1931



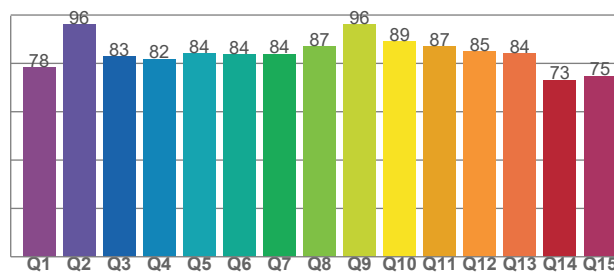
CIE 1931 - Detail



CRI: 84,1 (R1-R8)



CQSI: 83,2



Photometric Report



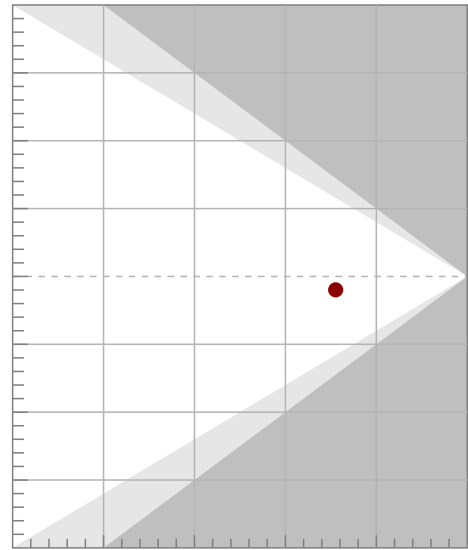
Canberra-2R 12W WW 3000K 24gr, , Ordercode A0720091

TM-30-18 DETAILS

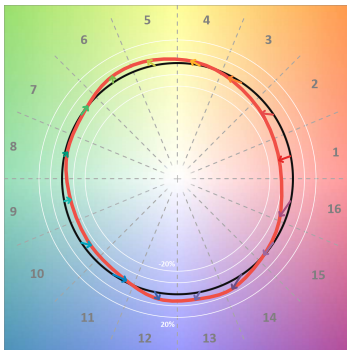
Rf 85,5
Fidelity index Rf

Rg 98,0
Gamut index Rg

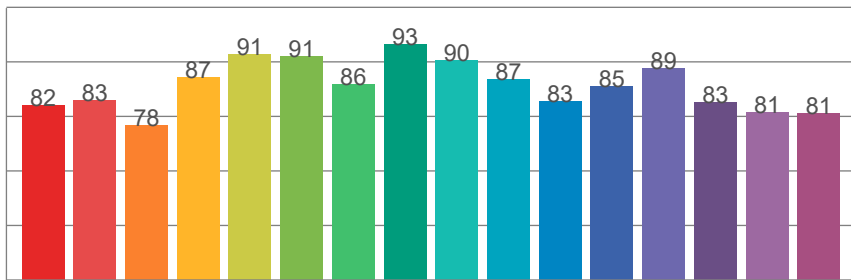
| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 82 | -10% | -2% |
| 2 | 83 | -8% | 6% |
| 3 | 78 | -3% | 11% |
| 4 | 87 | 2% | 8% |
| 5 | 91 | 5% | 5% |
| 6 | 91 | 5% | -2% |
| 7 | 86 | 0% | -9% |
| 8 | 93 | -2% | -4% |
| 9 | 90 | -6% | 0% |
| 10 | 87 | -6% | 6% |
| 11 | 83 | -2% | 12% |
| 12 | 85 | 6% | 5% |
| 13 | 89 | 6% | -5% |
| 14 | 83 | 6% | -13% |
| 15 | 81 | -1% | -13% |
| 16 | 81 | -6% | -14% |



TM30-18 Color Vectors



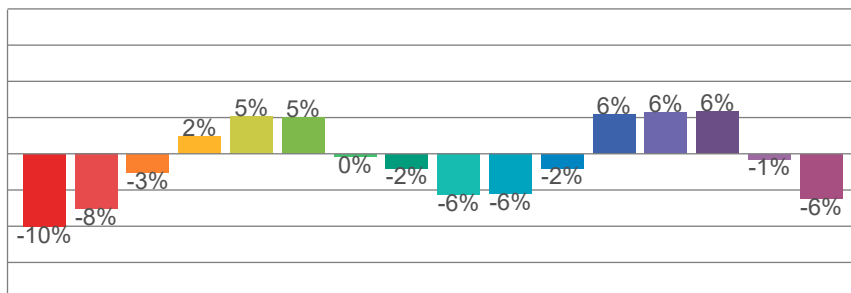
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

