

Photometric Report

Sonora-2R 10W WW 3000K 24gr, , Ordercode A0525240

REPORT SUMMARY

Output

Total Lumens:	313 Lumen
Peak Intensity:	2169 candela
Illuminance @ 5m:	86 lx
CRI:	83,9
CCT:	3101 K

Optical

Beam Angle (50%)	18,8 °
Field Angle (10%)	36,7 °

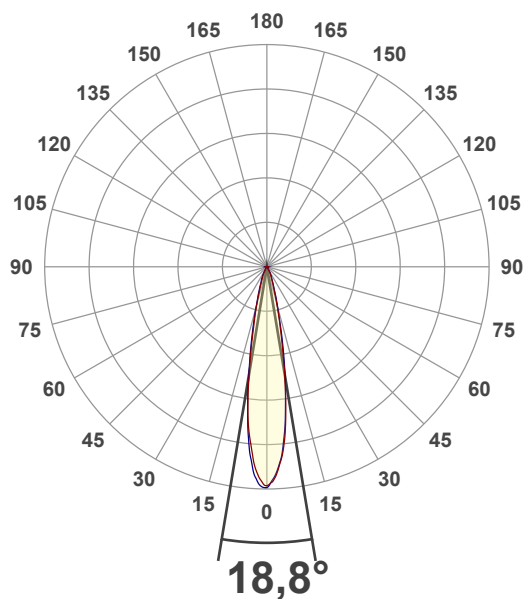
Conditions:

Power Supply:	225 V
Power:	7,3 W
Current:	0,034 A
Power Factor:	0,96

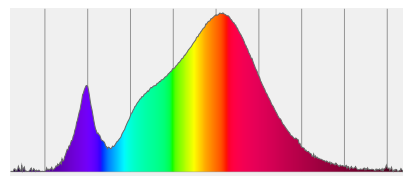


MEASUREMENTS

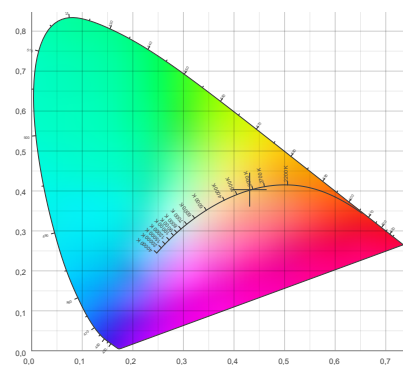
Angular Beam Distribution



Spectral Distribution



CIE 1931

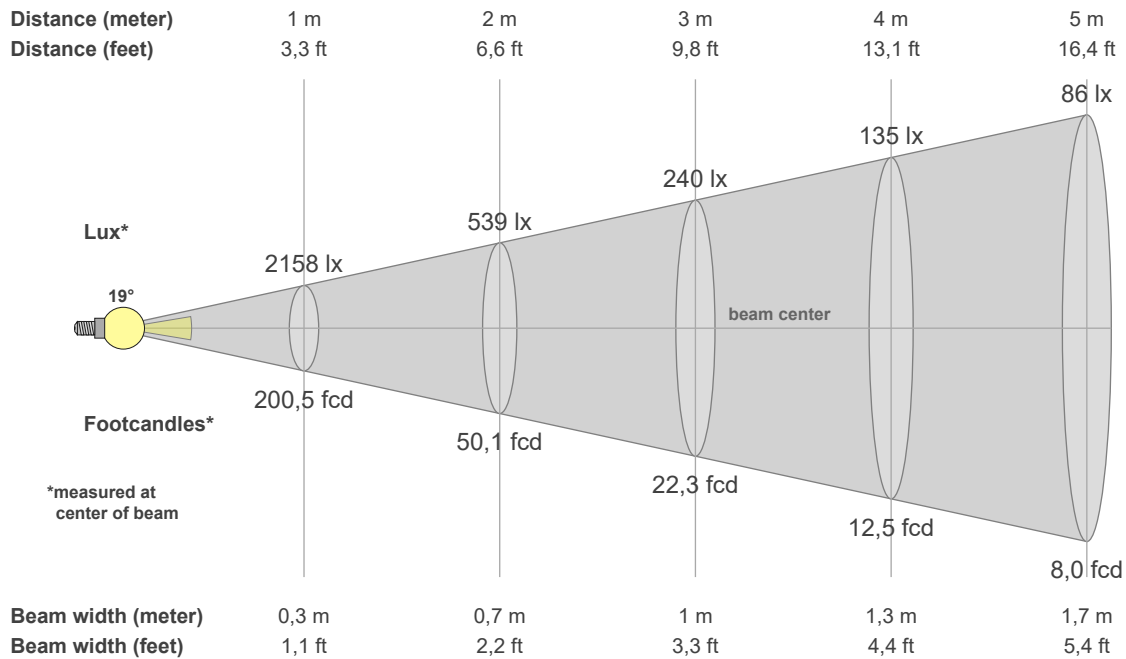


Photometric Report



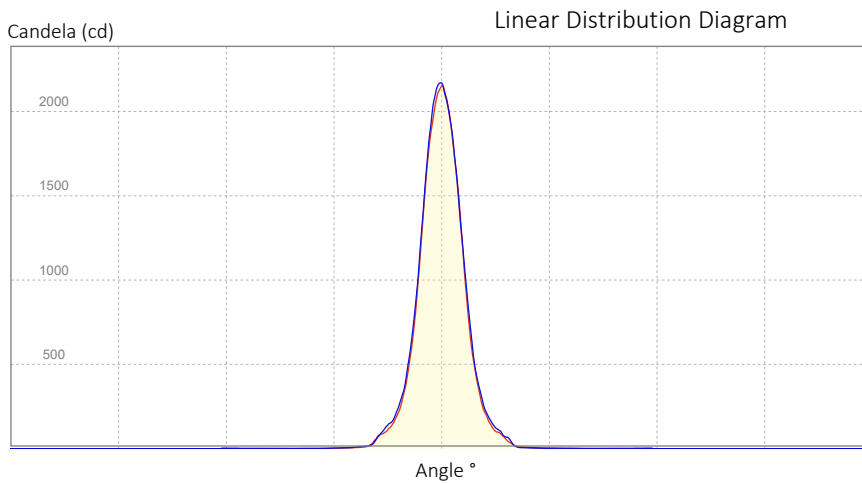
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BEAM DETAILS



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
2158lx	539lx	240lx	135lx	86lx	60lx	44lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	8lx	7lx	7lx	6lx	5lx
200,5fcd	50,1fcd	22,3fcd	12,5fcd	8fcd	5,6fcd	4,1fcd	3,1fcd	2,5fcd	2fcd	1,7fcd	1,4fcd	1,2fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd



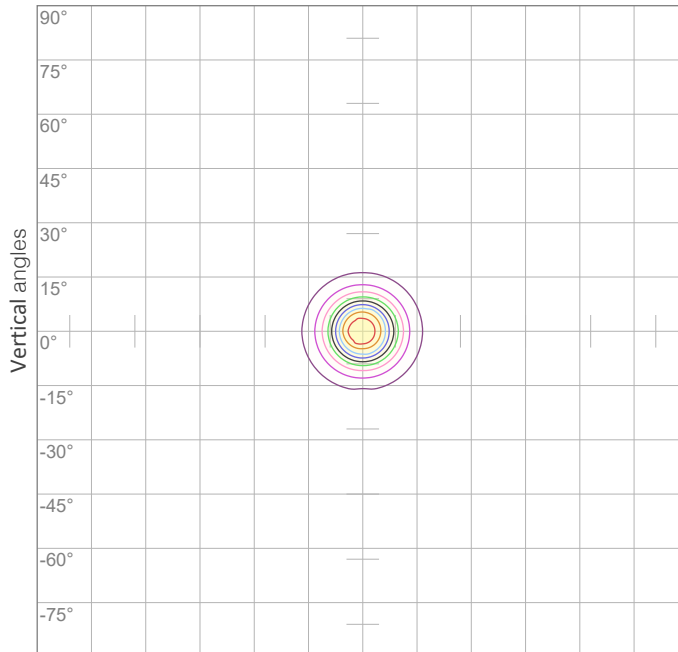
Beam Angle (50%): 18,8 °
 Field Angle (10%): 36,7 °
 Cutoff Angle (3%): 55,2 °

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POLAR DIAGRAMS



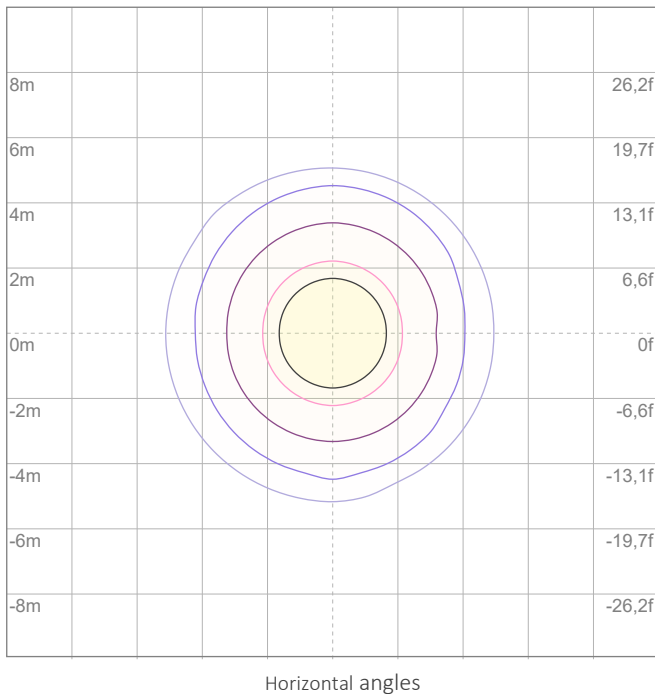
ISO candela diagram

10%	216 cd
20%	432 cd
30%	647 cd
40%	863 cd
50%	1079 cd
60%	1295 cd
70%	1511 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 2158 cd



ISO lux diagram

3%	0,647 lx
5%	1,08 lx
10%	2,16 lx
30%	6,47 lx
50%	10,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 21,6 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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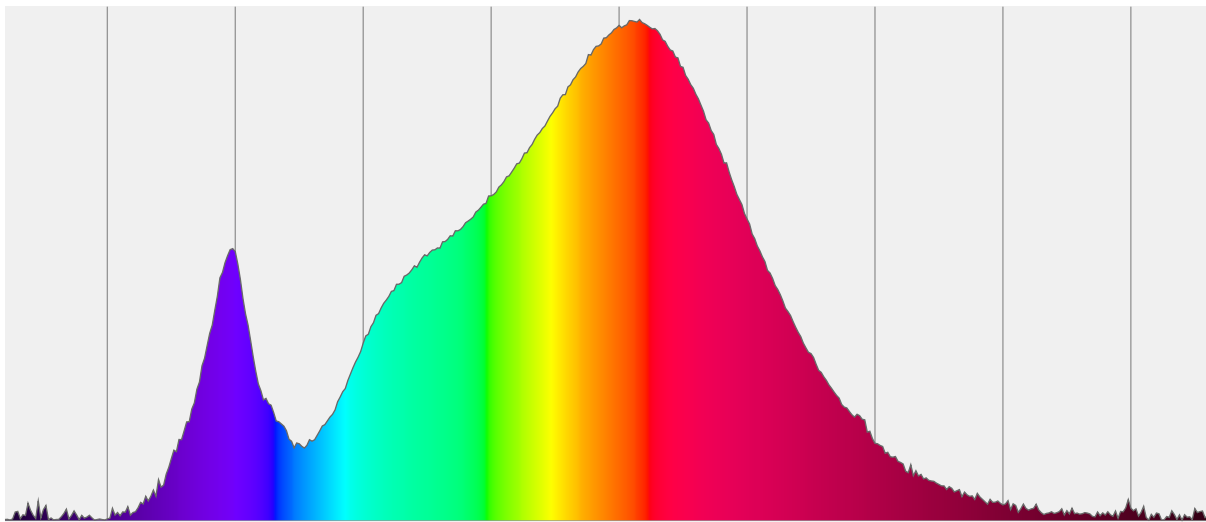
CHROMATICITY REPORT

Total Lumens: 313 lm
Peak Intensity: 2169 cd
Fixture Efficiency: 43 Lumen/Watt

Color Temperature: 3101 K
CRI: 83,9
CRI R9: 14,4
CQS: 83,0
TM-30 Rf: 85,2
TM-30 Rg: 98,6
 Δuv : 0,0006
1st Dominant Wavelength: 608 nm
2nd Dominant Wavelength: 449 nm



Spectral Distribution



Color

3101 K
CIE 1931 Coordinates:
X: 0,431 Y: 0,403

Color Temperature

3101 K

CRI

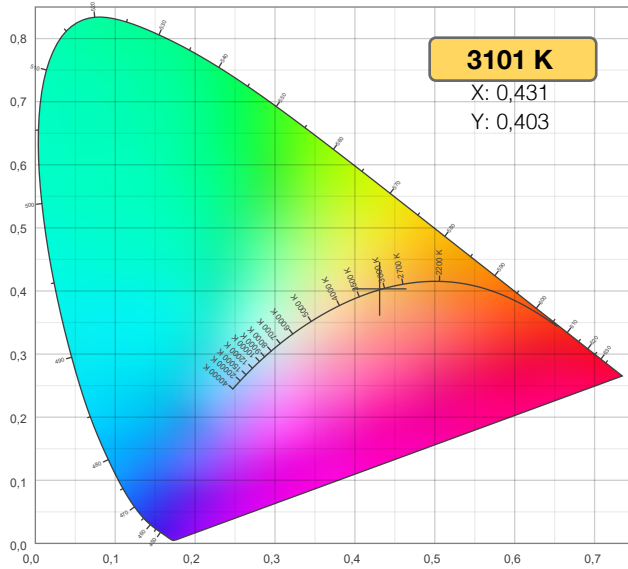
83,9

Photometric Report

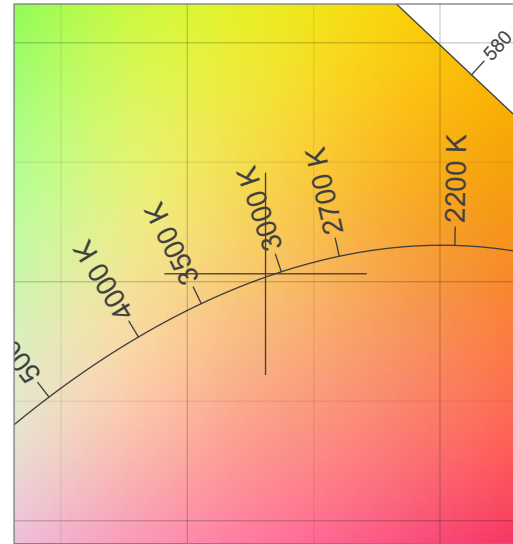
Sonora-2R 10W WW 3000K 24gr, , Ordercode A0525240

CHROMATICITY

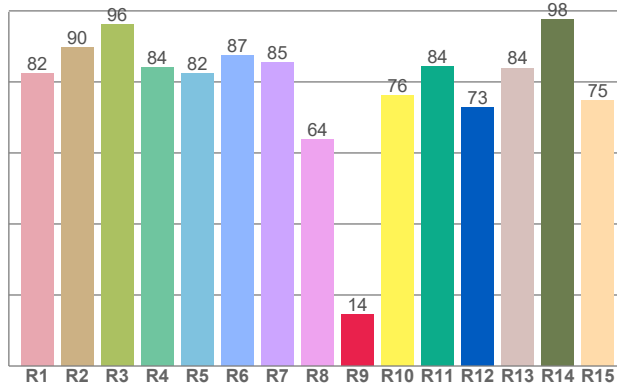
CIE 1931



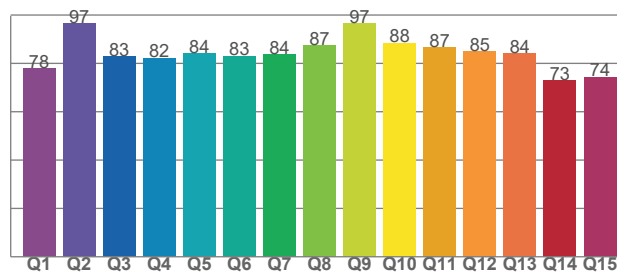
CIE 1931 - Detail



CRI: 83,9 (R1-R8)



CQSI: 83,0



Photometric Report



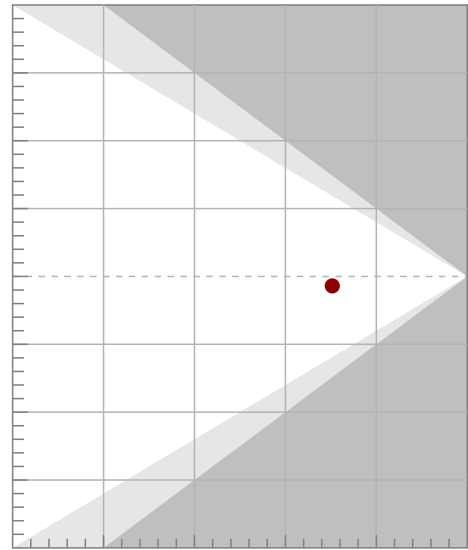
Sonora-2R 10W WW 3000K 24gr, , Ordercode A0525240

TM-30-18 DETAILS

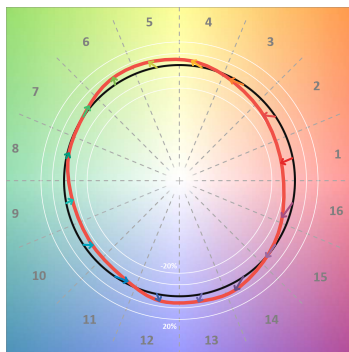
Rf 85,2
Fidelity index Rf

Rg 98,6
Gamut index Rg

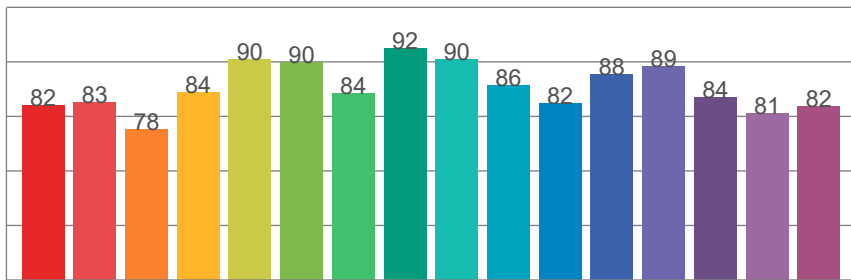
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	83	-8%	7%
3	78	-3%	12%
4	84	4%	9%
5	90	6%	5%
6	90	6%	-2%
7	84	1%	-10%
8	92	-2%	-4%
9	90	-6%	-2%
10	86	-6%	5%
11	82	-3%	11%
12	88	5%	3%
13	89	6%	-4%
14	84	6%	-12%
15	81	0%	-13%
16	82	-6%	-13%



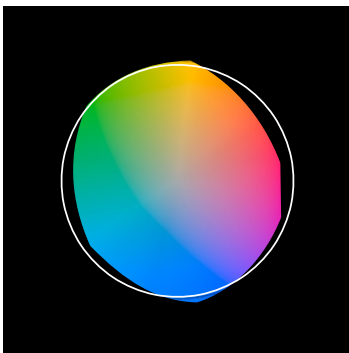
TM30-18 Color Vectors



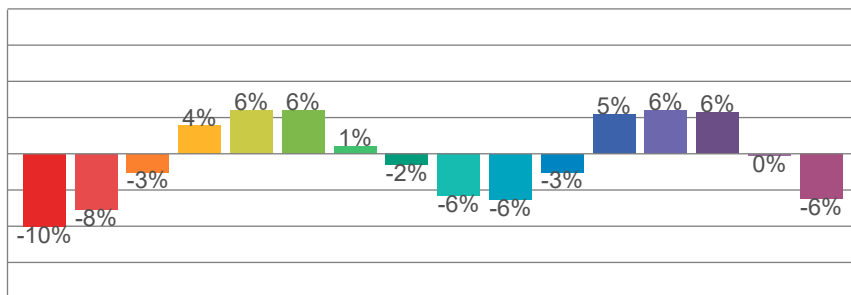
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

