

Photometric Report

Sonora-1R 5W WW 3000K 24gr, , Ordercode A0525140

REPORT SUMMARY

Output

Total Lumens:	179 Lumen
Peak Intensity:	1054 candela
Illuminance @ 5m:	42 lx
CRI:	83,4
CCT:	3131 K

Optical

Beam Angle (50%)	21,3 °
Field Angle (10%)	41,8 °

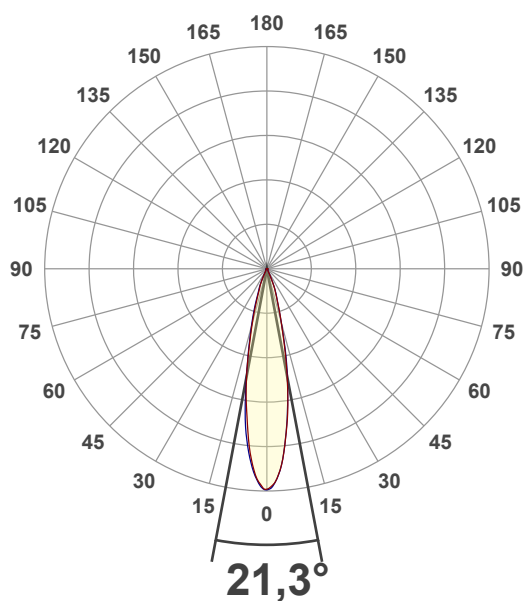
Conditions:

Power Supply:	225 V
Power:	4,3 W
Current:	0,020 A
Power Factor:	0,97

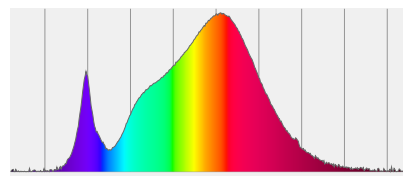


MEASUREMENTS

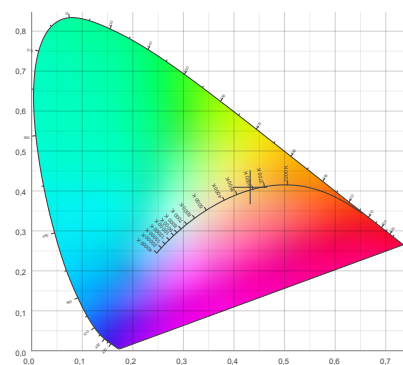
Angular Beam Distribution



Spectral Distribution



CIE 1931

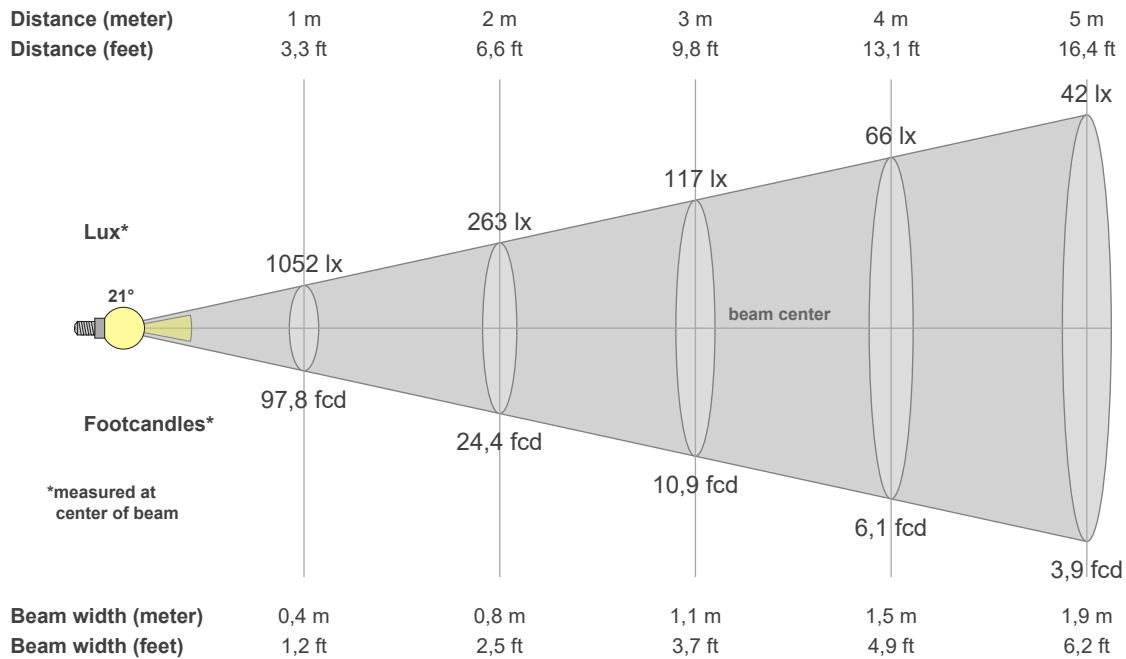


Photometric Report



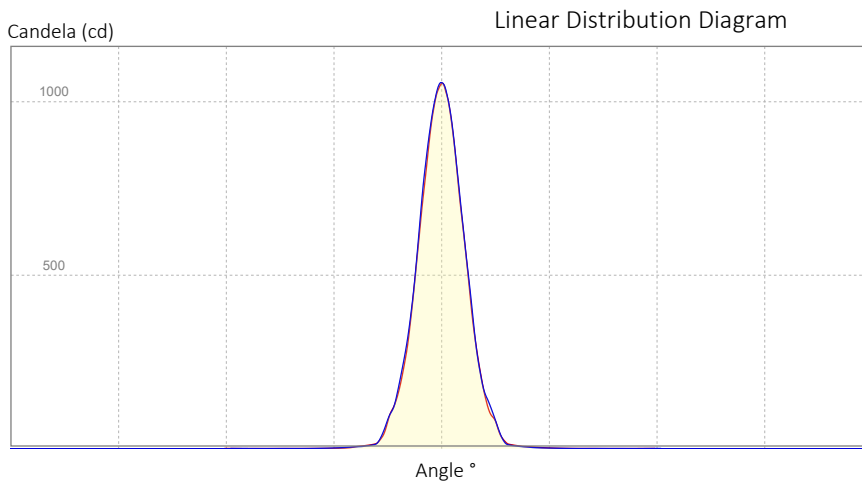
Sonora-1R 5W WW 3000K 24gr, , Ordercode A0525140

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
1052lx	263lx	117lx	66lx	42lx	29lx	21lx	16lx	13lx	11lx	9lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	3lx
97,8fcd	24,4fcd	10,9fcd	6,1fcd	3,9fcd	2,7fcd	2fcd	1,5fcd	1,2fcd	1fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,3fcd	0,2fcd



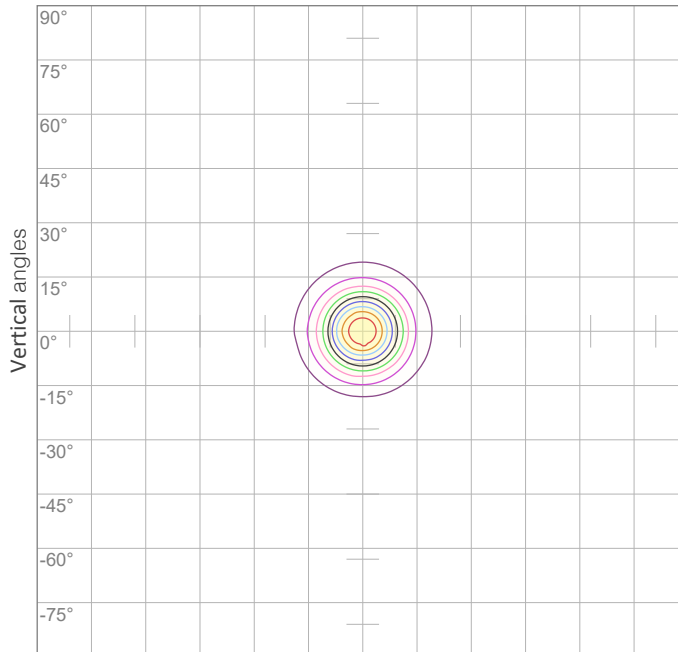
Beam Angle (50%): 21,3 °
 Field Angle (10%): 41,8 °
 Cutoff Angle (3%): 51,5 °

Photometric Report



Sonora-1R 5W WW 3000K 24gr, , Ordercode A0525140

POLAR DIAGRAMS



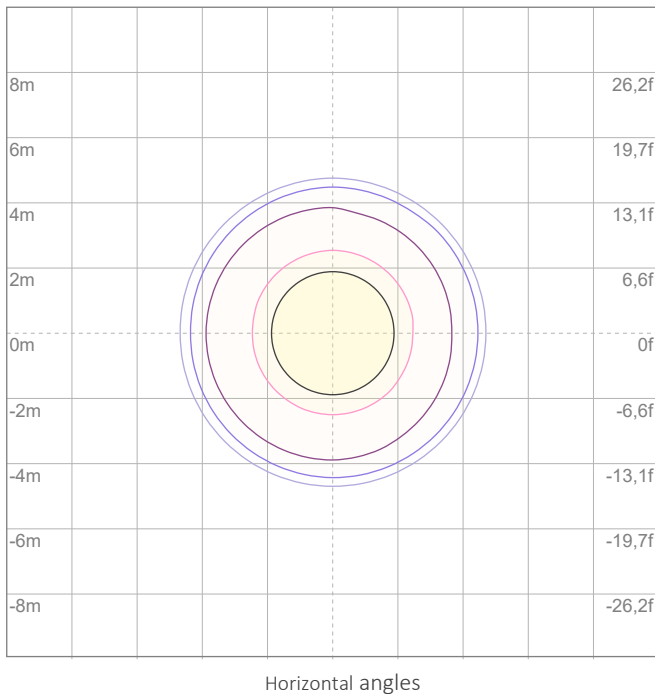
ISO candela diagram

10%	105 cd
20%	210 cd
30%	316 cd
40%	421 cd
50%	526 cd
60%	631 cd
70%	737 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 1052 cd



ISO lux diagram

3%	0,316 lx
5%	0,526 lx
10%	1,05 lx
30%	3,16 lx
50%	5,26 lx

Conditions:

Number of c-planes: 4

Lux at center: 10,5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report



Sonora-1R 5W WW 3000K 24gr , Ordercode A0525140

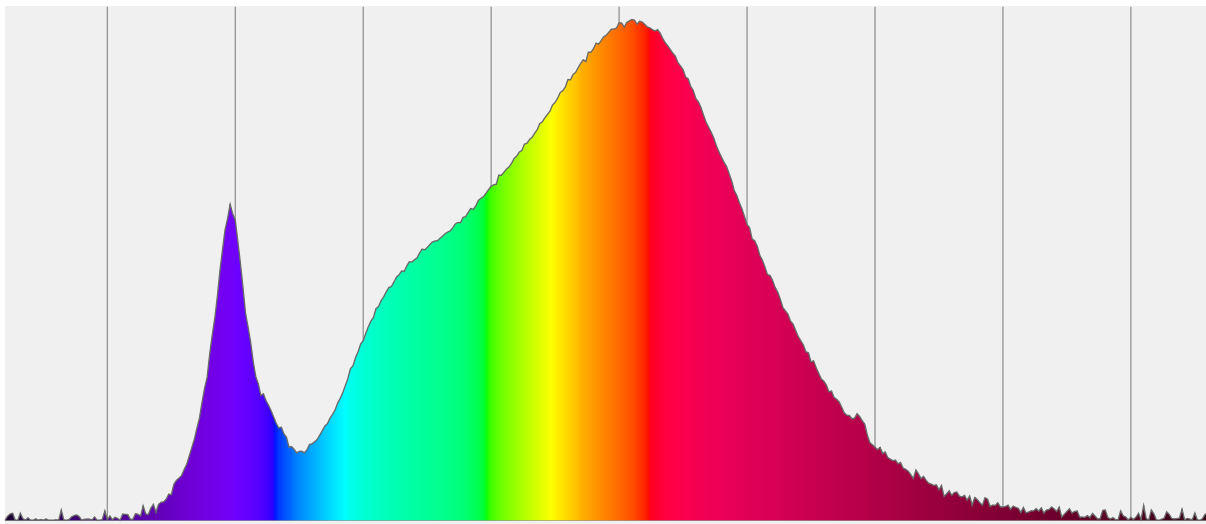
CHROMATICITY REPORT

Total Lumens: 179 lm
Peak Intensity: 1054 cd
Fixture Efficiency: 41 Lumen/Watt

Color Temperature: 3131 K
CRI: 83,4
CRI R9: 11,7
CQS: 83,2
TM-30 Rf: 85,5
TM-30 Rg: 97,5
 Δuv : 0,0028
1st Dominant Wavelength: 605 nm
2nd Dominant Wavelength: 448 nm



Spectral Distribution



Color

3131 K
CIE 1931 Coordinates:
X: 0,432 Y: 0,409

Color Temperature

3131 K

CRI

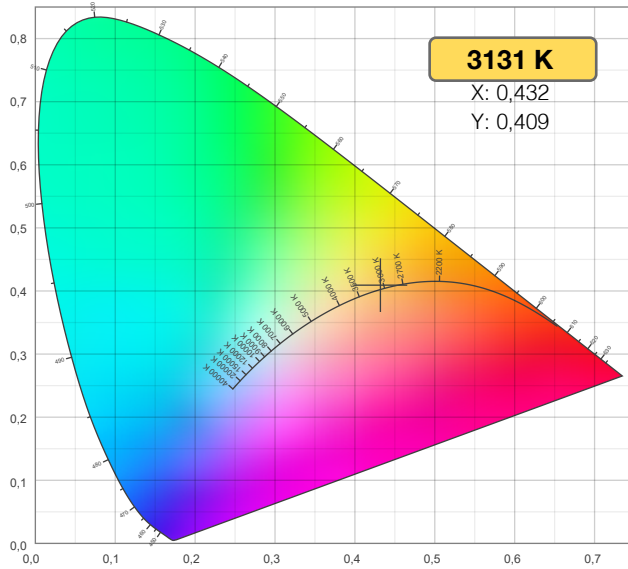
83,4

Photometric Report

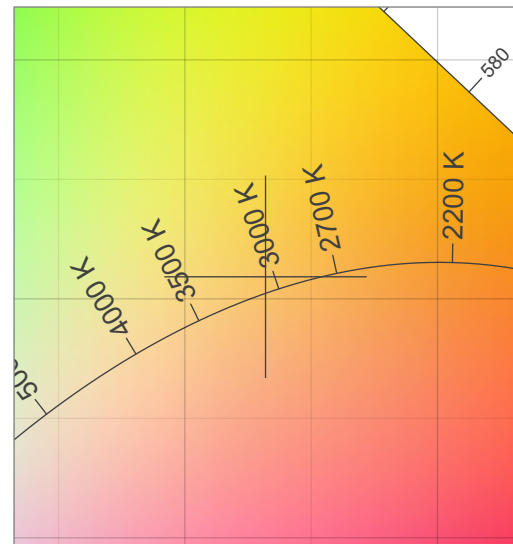
Sonora-1R 5W WW 3000K 24gr, , Ordercode A0525140

CHROMATICITY

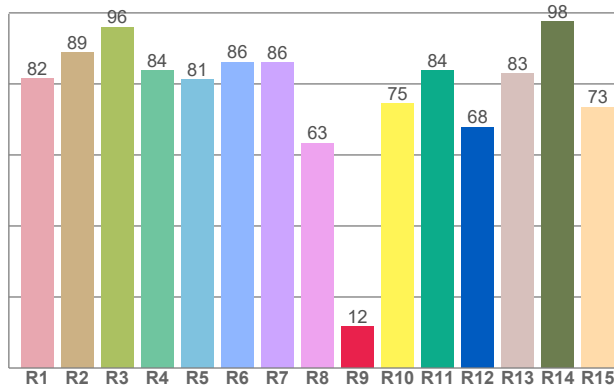
CIE 1931



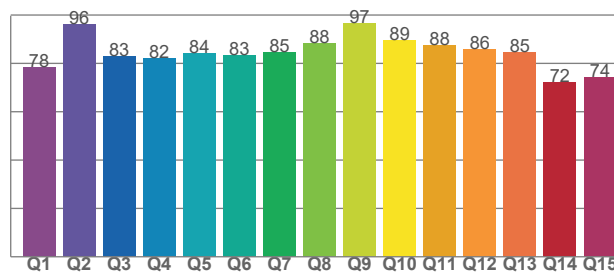
CIE 1931 - Detail



CRI: 83,4 (R1-R8)



CQSI: 83,2



Photometric Report



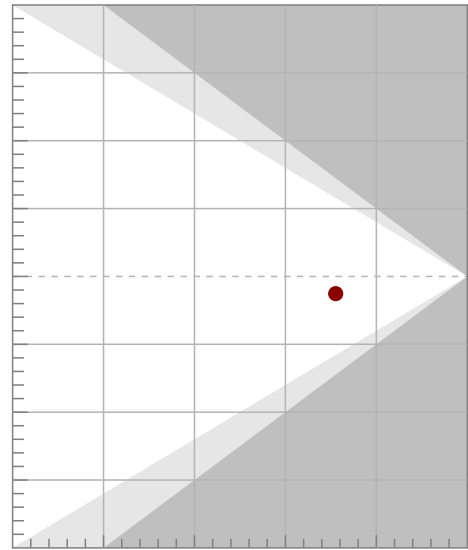
Sonora-1R 5W WW 3000K 24gr , Ordercode A0525140

TM-30-18 DETAILS

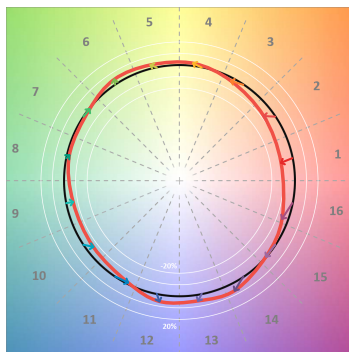
Rf 85,5
Fidelity index Rf

Rg 97,5
Gamut index Rg

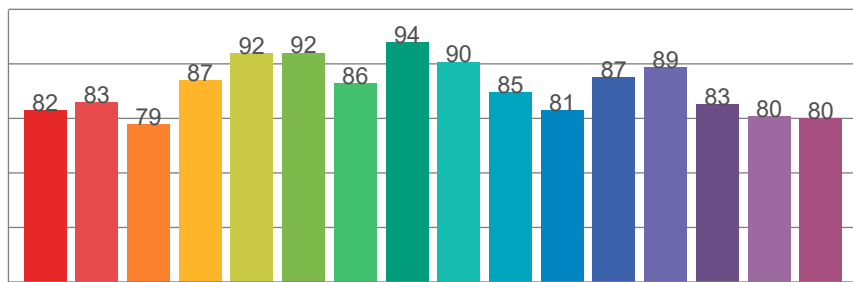
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	83	-8%	6%
3	79	-3%	11%
4	87	2%	8%
5	92	3%	5%
6	92	4%	-2%
7	86	-1%	-8%
8	94	-2%	-3%
9	90	-6%	0%
10	85	-6%	6%
11	81	-2%	12%
12	87	6%	4%
13	89	5%	-4%
14	83	6%	-13%
15	80	-1%	-13%
16	80	-6%	-15%



TM30-18 Color Vectors



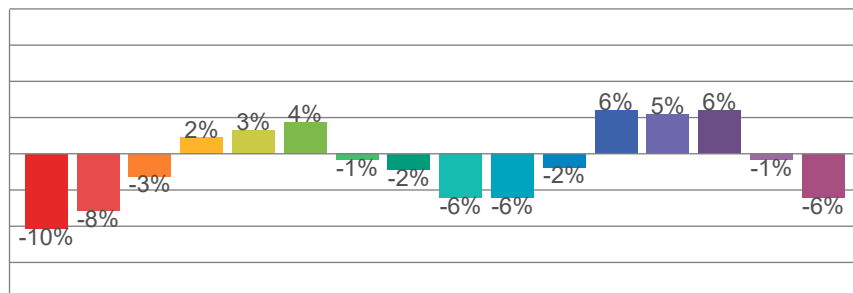
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

