

# Photometric Report

Acapulco-1R WW 3000K 24gr, , Ordercode A0525130

## REPORT SUMMARY

### Output

Total Lumens:	161 Lumen
Peak Intensity:	1000 candela
Illuminance @ 5m:	40 lx
CRI:	83,8
CCT:	3104 K

### Optical

Beam Angle (50%)	20,8 °
Field Angle (10%)	40,5 °

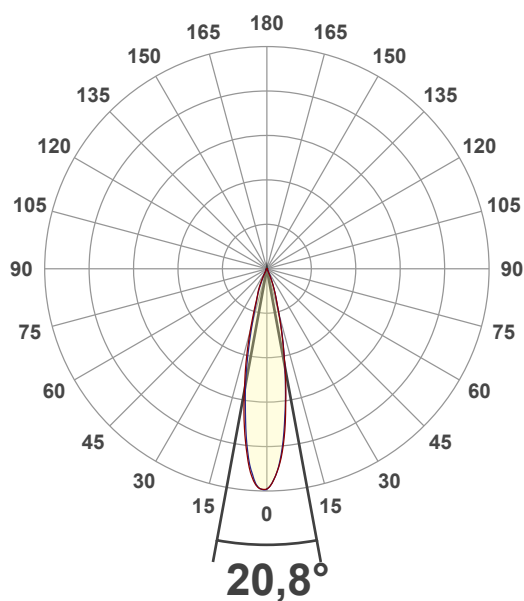
### Conditions:

Power Supply:	225 V
Power:	3,9 W
Current:	0,036 A
Power Factor:	0,48

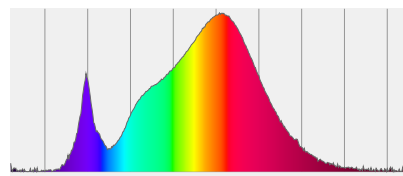


## MEASUREMENTS

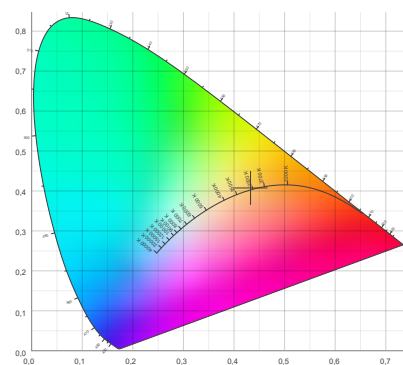
Angular Beam Distribution



Spectral Distribution



CIE 1931

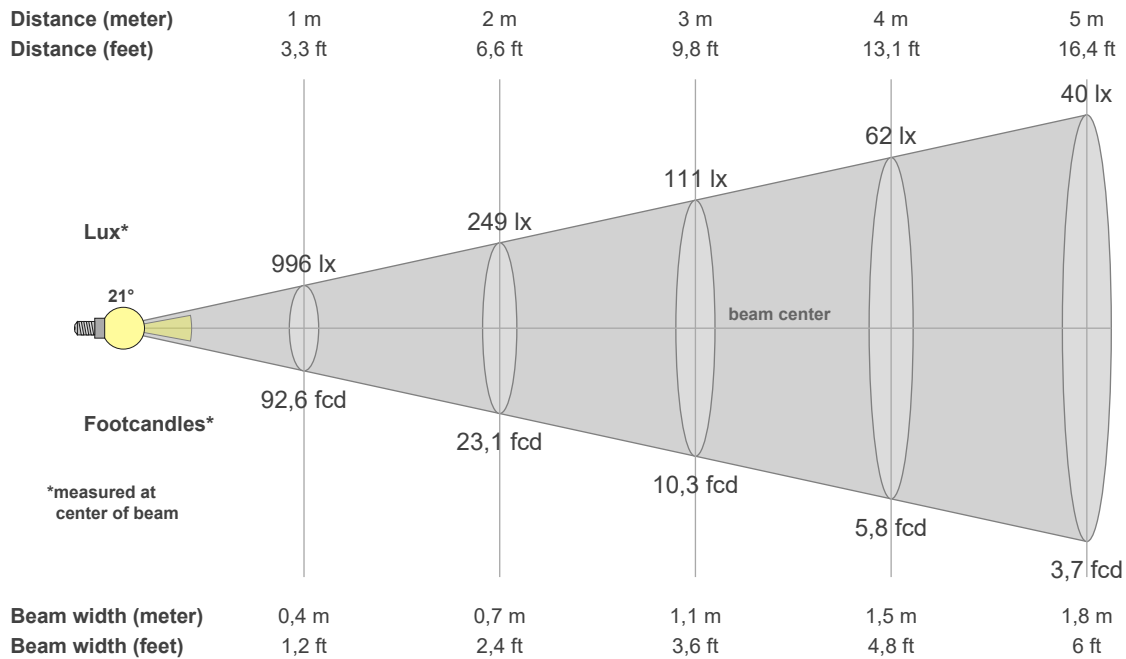


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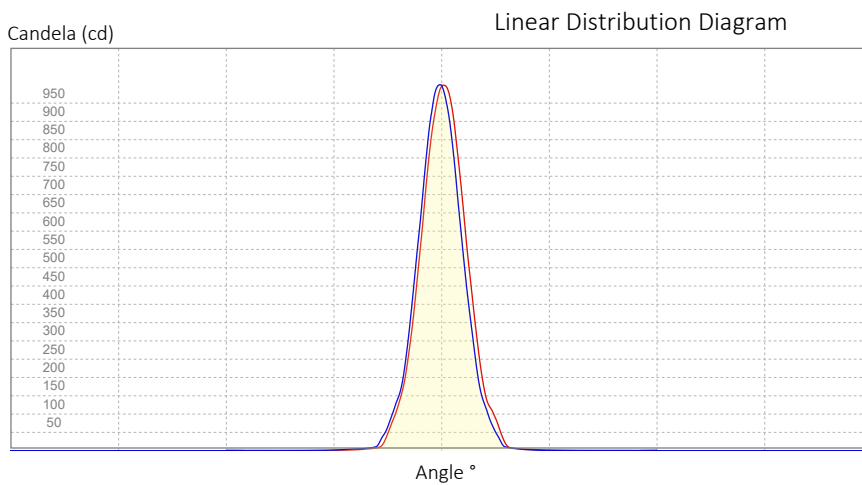
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## BEAM DETAILS



### 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
996lx	249lx	111lx	62lx	40lx	28lx	20lx	16lx	12lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx
92,6fcd	23,1fcd	10,3fcd	5,8fcd	3,7fcd	2,6fcd	1,9fcd	1,4fcd	1,1fcd	0,9fcd	0,8fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,3fcd	0,2fcd



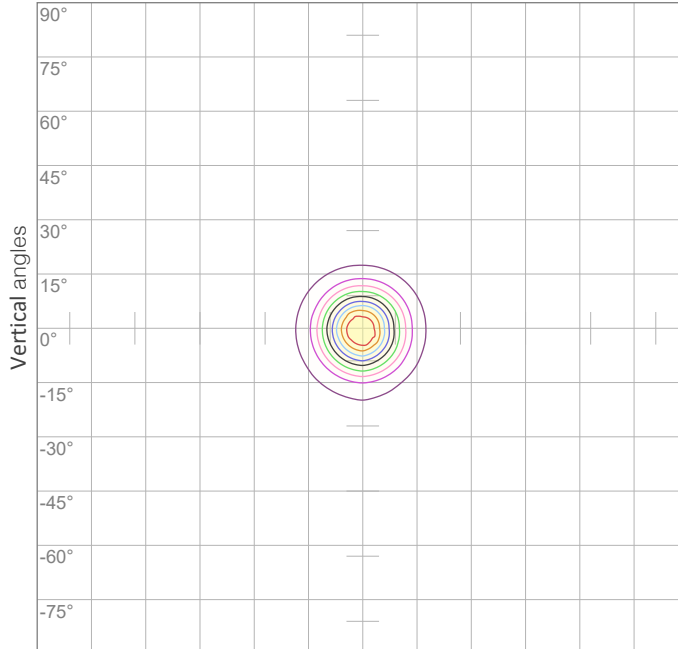
Beam Angle (50%): 20,8 °  
 Field Angle (10%): 40,5 °  
 Cutoff Angle (3%): 50,3 °

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## POLAR DIAGRAMS



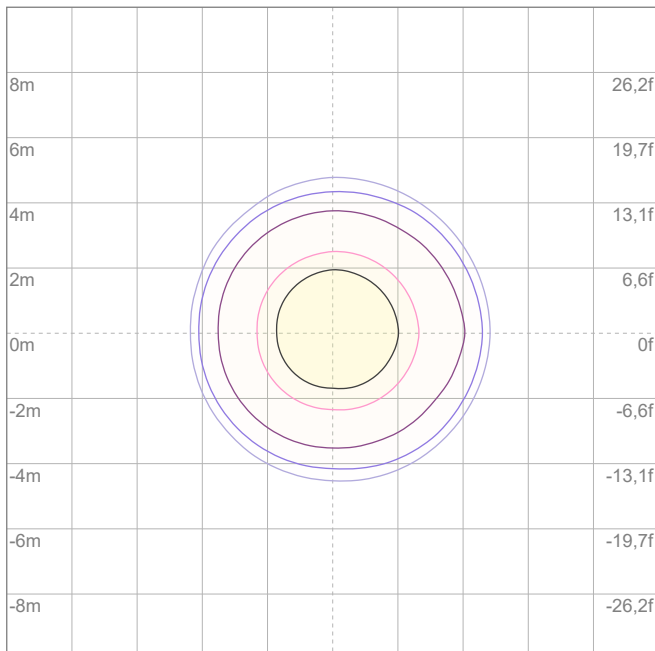
### ISO candela diagram

10%	100 cd
20%	199 cd
30%	299 cd
40%	399 cd
50%	498 cd
60%	598 cd
70%	697 cd

Conditions:

Number of c-planes: {C\_PLANES}

Candela at center: 996 cd



### ISO lux diagram

3%	0,299 lx
5%	0,498 lx
10%	0,996 lx
30%	2,99 lx
50%	4,98 lx

Conditions:

Number of c-planes: 4

Lux at center: 9,96 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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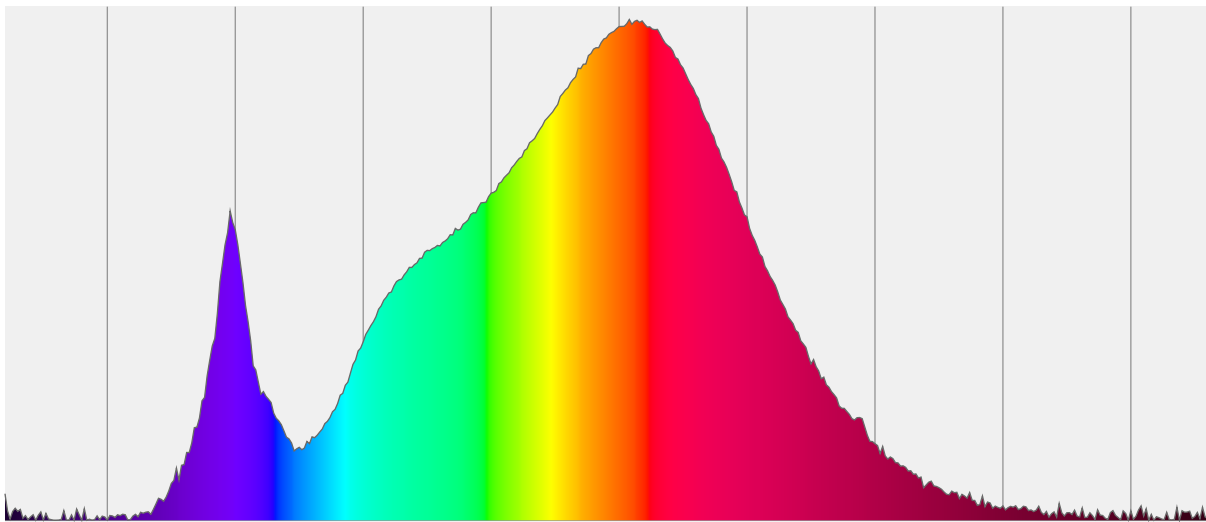
## CHROMATICITY REPORT

Total Lumens: 161 lm  
Peak Intensity: 1000 cd  
Fixture Efficiency: 42 Lumen/Watt

Color Temperature: 3104 K  
CRI: 83,8  
CRI R9: 13,1  
CQS: 83,4  
TM-30 Rf: 85,7  
TM-30 Rg: 97,6  
 $\Delta uv$ : 0,0020  
1<sup>st</sup> Dominant Wavelength: 604 nm  
2<sup>nd</sup> Dominant Wavelength: 448 nm



Spectral Distribution



### Color

**3104 K**  
CIE 1931 Coordinates:  
X: 0,433 Y: 0,408

### Color Temperature

**3104 K**

### CRI

**83,8**

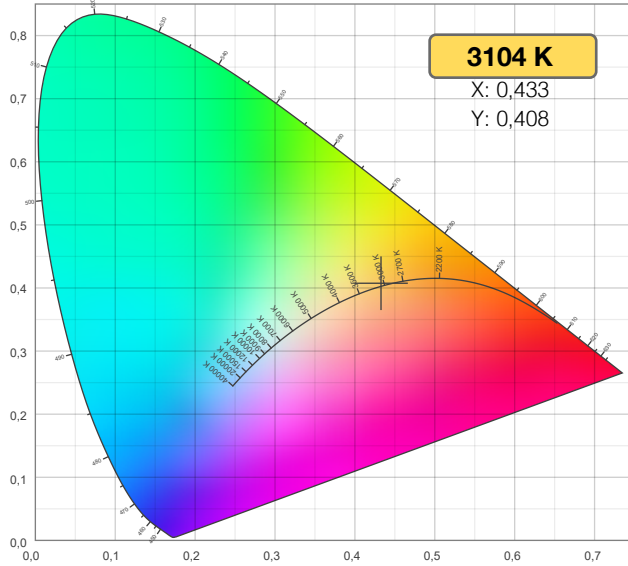
# Photometric Report



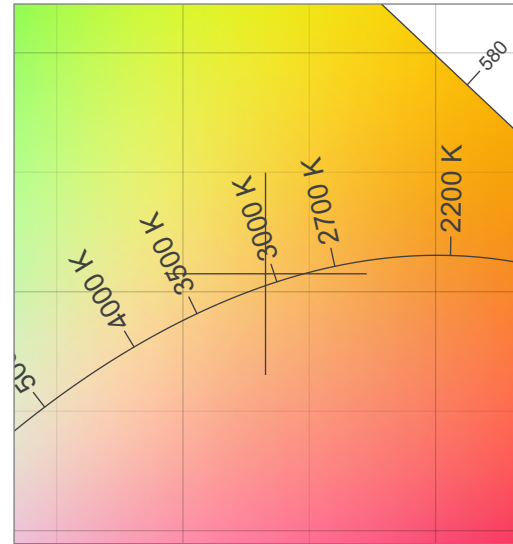
Acapulco-1R WW 3000K 24gr, , Ordercode A0525130

## CHROMATICITY

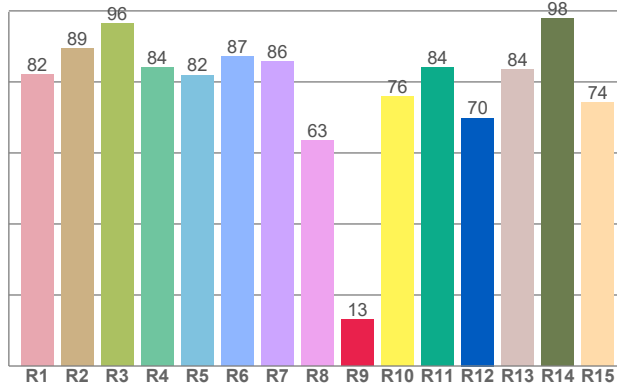
CIE 1931



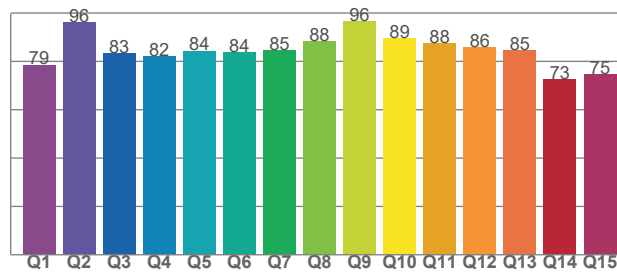
CIE 1931 - Detail



CRI: 83,8 (R1-R8)



CQSI: 83,4



# Photometric Report



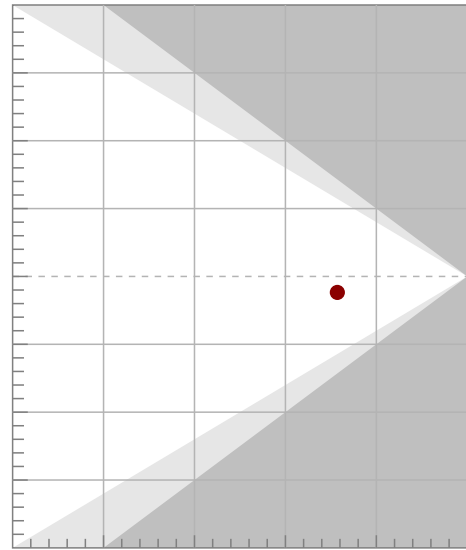
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## TM-30-18 DETAILS

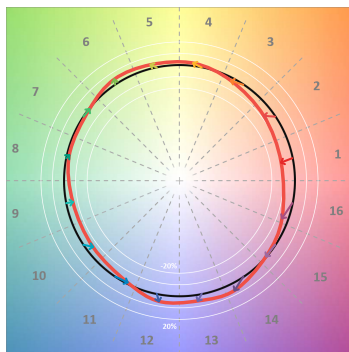
**Rf 85,7**  
Fidelity index Rf

**Rg 97,6**  
Gamut index Rg

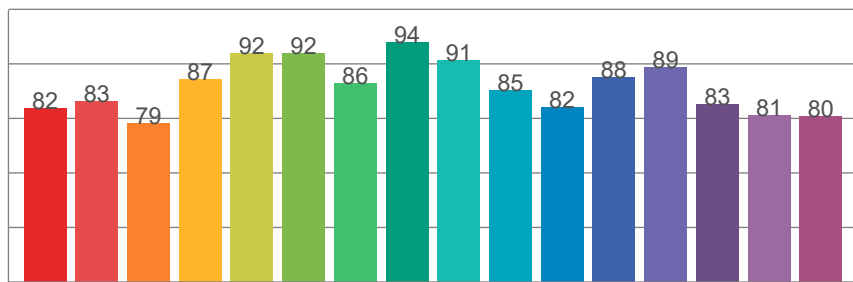
Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	83	-8%	6%
3	79	-3%	11%
4	87	2%	8%
5	92	3%	5%
6	92	4%	-2%
7	86	-1%	-8%
8	94	-2%	-3%
9	91	-6%	0%
10	85	-6%	6%
11	82	-2%	12%
12	88	6%	3%
13	89	5%	-5%
14	83	6%	-13%
15	81	-1%	-13%
16	80	-6%	-15%



TM30-18 Color Vectors



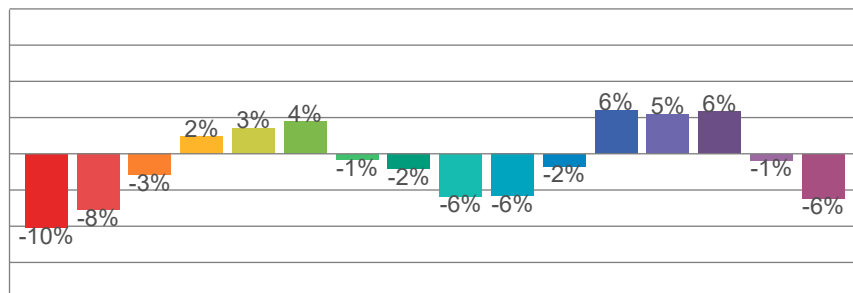
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

