

PHOTOMETRICS REPORT

# COLORADO 2 SOLO VW



CHAUVET  
PROFESSIONAL

## Table of Contents

<b>1. Testing Process .....</b>	<b>1</b>
<b>2. Photometrics and Chromaticity Reports .....</b>	<b>2</b>
<b>Full Flood – Full Power .....</b>	<b>2</b>
Report Summary .....	2
Overall Measurement .....	2
Beam Details .....	3
Polar Diagrams .....	4
Chromaticity .....	5
TM-30-18 Details .....	6
<b>Full Flood – Cool White .....</b>	<b>7</b>
Report Summary .....	7
Overall Measurement .....	7
Beam Details .....	8
Polar Diagrams .....	9
Chromaticity .....	10
TM-30-18 Details .....	11
<b>Full Flood – Warm White .....</b>	<b>12</b>
Report Summary .....	12
Overall Measurement .....	12
Beam Details .....	13
Polar Diagrams .....	14
Chromaticity .....	15
TM-30-18 Details .....	16
<b>Full Spot – Full Power .....</b>	<b>17</b>
Report Summary .....	17
Overall Measurement .....	17
Beam Details .....	18
Polar Diagrams .....	19
Chromaticity .....	20
TM-30-18 Details .....	21

<b>Full Spot – Cool White .....</b>	22
Report Summary .....	22
Overall Measurement .....	22
Beam Details .....	23
Polar Diagrams .....	24
Chromaticity .....	25
TM-30-18 Details .....	26
<b>Full Spot – Warm White .....</b>	27
Report Summary .....	27
Overall Measurement .....	27
Beam Details .....	28
Polar Diagrams .....	29
Chromaticity .....	30
TM-30-18 Details .....	31
<b>50% Zoom – Full Power .....</b>	32
Report Summary .....	32
Overall Measurement .....	32
Beam Details .....	33
Polar Diagrams .....	34
Chromaticity .....	35
TM-30-18 Details .....	36
<b>50% Zoom – Cool White .....</b>	37
Report Summary .....	37
Overall Measurement .....	37
Beam Details .....	38
Polar Diagrams .....	39
Chromaticity .....	40
TM-30-18 Details .....	41

<b>50% Zoom – Warm White .....</b>	<b>42</b>
Report Summary .....	42
Overall Measurement .....	42
Beam Details .....	43
Polar Diagrams .....	44
Chromaticity .....	45
TM-30-18 Details .....	46
<b>3. Contact Us .....</b>	<b>47</b>

## Testing Process

### Total Illuminance Measurements

Illuminance is measured using the Viso Systems LabSpion®, which takes multiple measurements across a light beam to calculate the total delivered lumens, beam, and field of a product. These values can be described as the empirical output of the product as it projects from the lens or lenses. All photometric data contained in this report are obtained from the actual illuminance of the tested Chauvet light source and are never theoretical values derived from calculations.

### Testing Lab Equipment and Process

The Chauvet headquarters in Sunrise, Florida has a climate- and light-controlled photometric testing laboratory where Chauvet products are analyzed and photometric data are measured using the Viso Systems LabSpion® light measurement solution.

This system includes a spectrometer sensor, which measures the precise light and color output of the fixture, and a two-axis goniometer, which rotates the product to allow for multi-angle and multi-directional measurement. The Viso Light Inspector software then collects and summarizes the data. From the data gathered, the software can also measure the beam and field angles, accurate color temperature, color quality, and illuminance at multiple distances. The custom-built, Chauvet-specific template presents this information in the photometric and chromaticity reports that follow.

IES (Illuminating Engineering Society) files, an industry-standard file format, are also generated from each test for easy distribution of photometric data.

Several light meters are also used for specific products or to recheck for precision. Accuracy is verified using one or more of the devices listed below:

- Sekonic SpectroMaster C-700-U
- EXTECH HD450 Datalogging Heavy Duty Light Meter
- Asensetek Essence Lighting Passport

To ensure accurate measurements in every photometric or chromaticity test, Chauvet routinely calibrates the LabSpion® system every six months as recommended by Viso Systems.

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Full Power

## Report Summary

### Measurements

Fixture Output: 1459 lm  
Fixture Peak: 6195 cd  
Fixture Efficacy: 13 lm/W  
Intensity @ 5m: 248 lux  
Color Temperature: 4244 K  
CRI: 96.9      CRI R9 Value: 97.6  
CQS: 93.7  
TLCI: 97  
TM-30 Rf: 93.1  
TM-30 Rg: 103.3  
Beam Angle (50%): 28.8°  
Field Angle (10%): 44°  
Cutoff Angle (3%): 51.8°

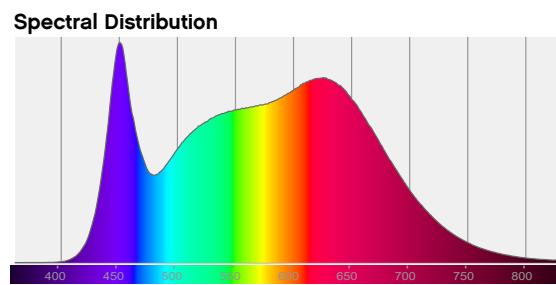
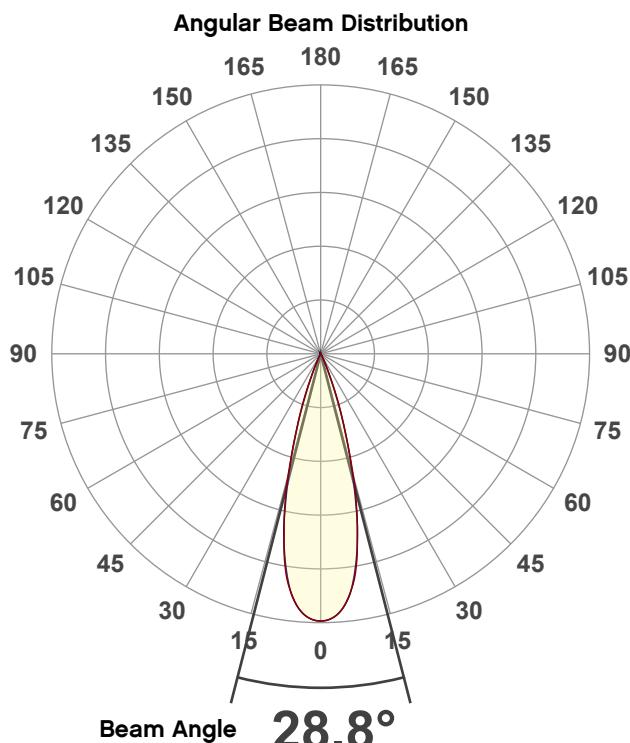


### Conditions

AC Supply: 119 V, 60.1 Hz  
Power: 112.81 W  
Current: 0.946 A  
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/21/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.366  
Y: 0.352

**Light Quality**

CRI: 96.9

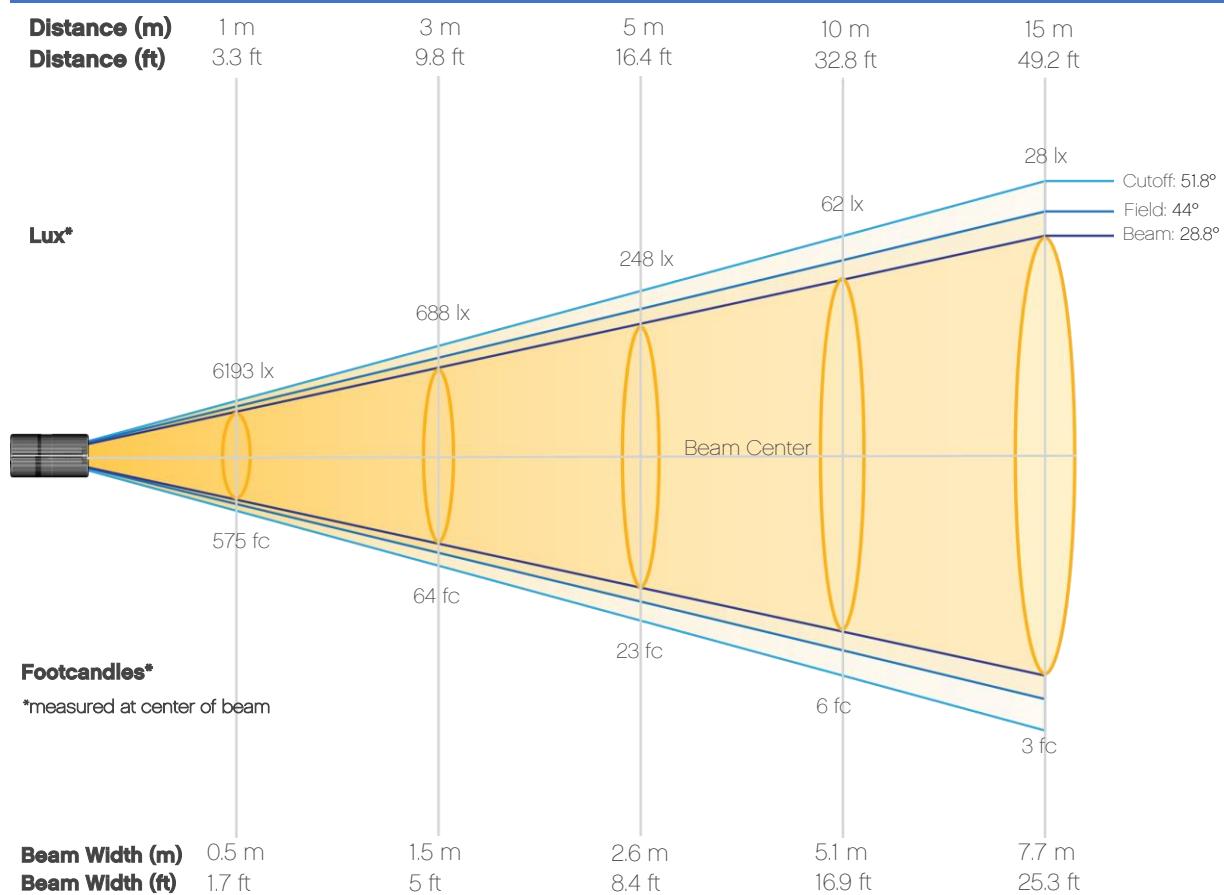
**Color Temperature**

4244 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Full Power

## Beam Details



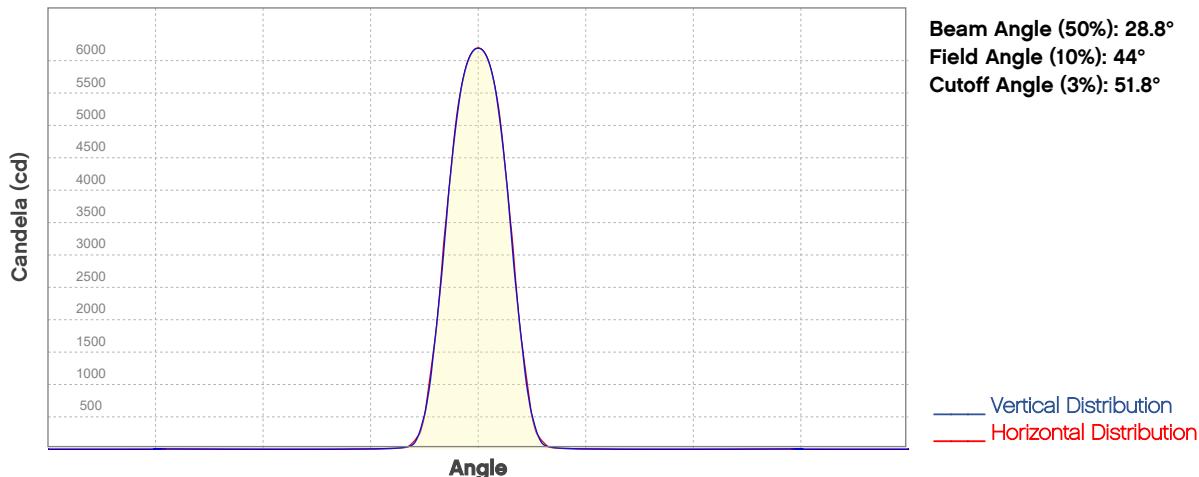
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	6193	1548	688	387	248	172	126	97	76	62
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	51	43	37	32	28	24	21	19	17	15
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	575	144	64	36	23	16	12	9	7	6
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	5	4	3	3	3	2	2	2	2	1

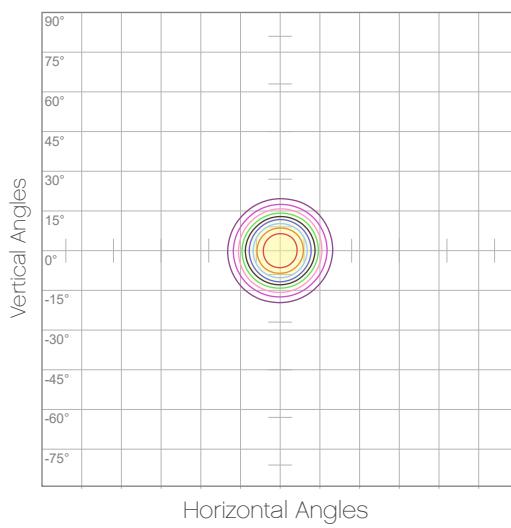
# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Full Power

Candela Plot



## ISO Diagrams

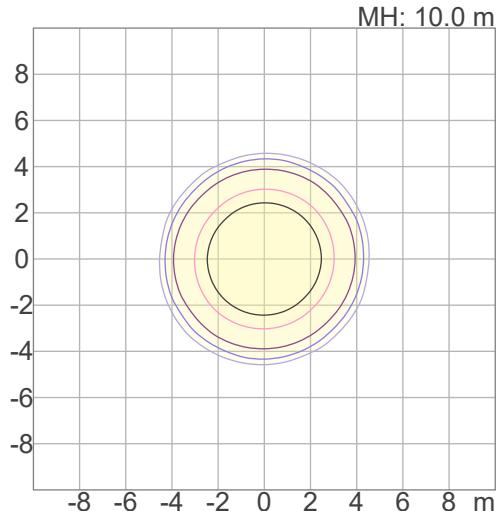


ISO Candela Diagram

10%	619 cd
20%	1239 cd
30%	1858 cd
40%	2477 cd
50%	3096 cd
60%	3716 cd
70%	4335 cd
80%	4954 cd
90%	5574 cd

Conditions:

Number of c-planes: 8  
Candela at center: 6193 cd



ISO Lux Diagram

3%	1.86 lx
5%	3.10 lx
10%	6.19 lx
30%	18.6 lx
50%	31.0 lx

Conditions:

Number of c-planes: 8  
Candela at center: 61.9 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

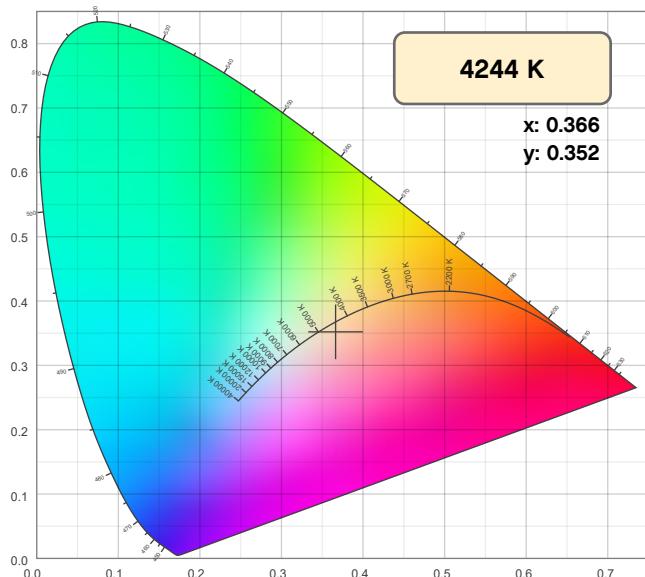
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

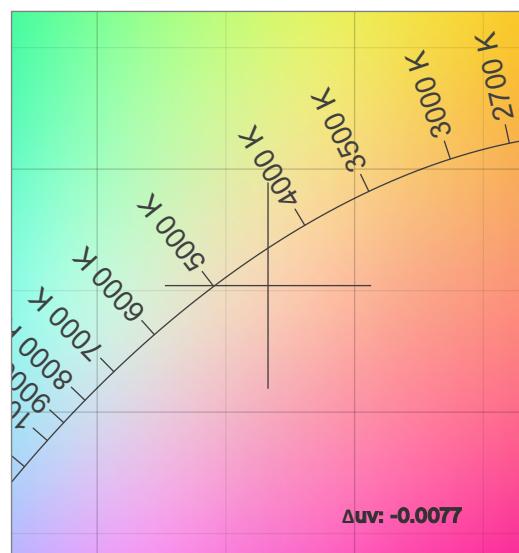
COLORado 2 Solo VW: Full Flood, Full Power

## Chromaticity

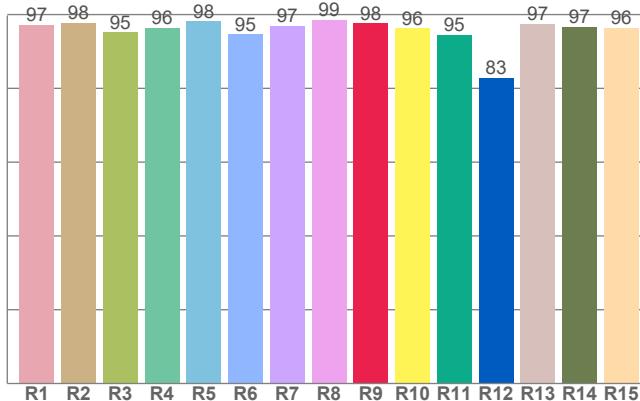
CIE 1931



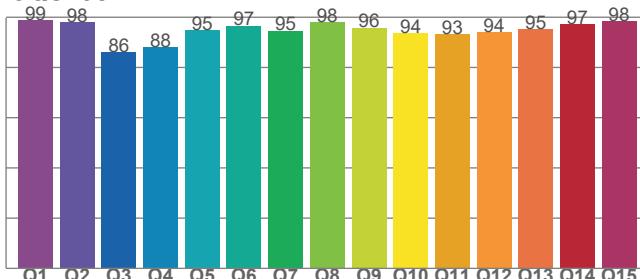
CIE 1931 - Zoom



CRI: 96.9 (R1-R8)



CQS: 93.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4244 K	0.366	0.352

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0077	0.352	0.226

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.9	97.6	93.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
97	93.1	103.3

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Full Power

## TM-30 Details

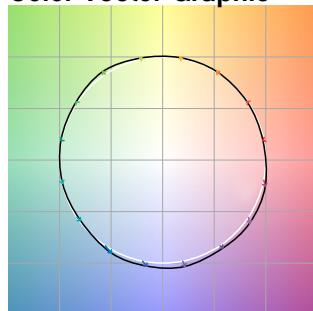
**Rf 93.1**

Fidelity Index  
(R<sub>f</sub>)

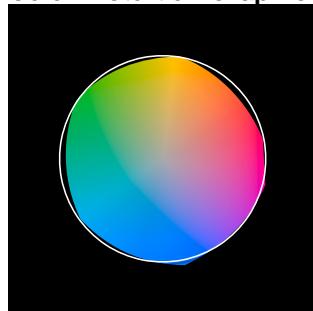
**Rg 103.3**

Gammut Index  
(R<sub>g</sub>)

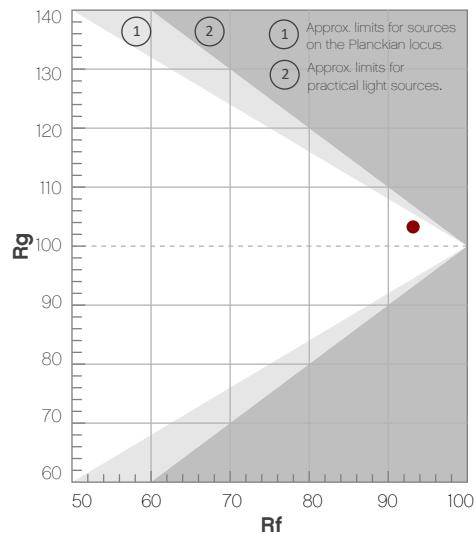
Color Vector Graphic



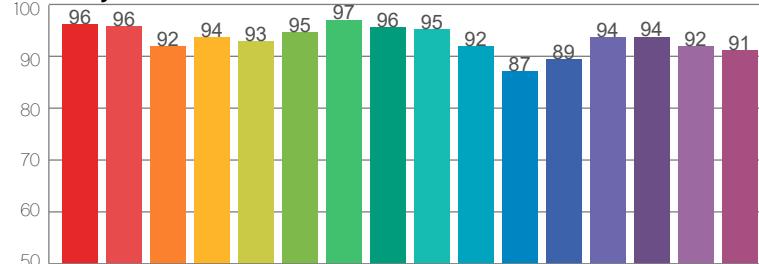
Color Distortion Graphic



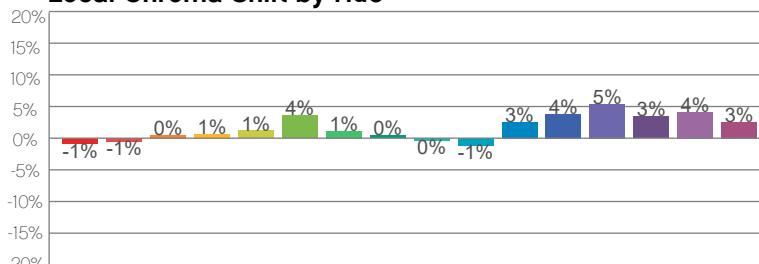
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	96	-1%	2%
3	92	0%	4%
4	94	1%	3%
5	93	1%	2%
6	95	4%	1%
7	97	1%	0%
8	96	0%	1%
9	95	0%	3%
10	92	-1%	5%
11	87	3%	8%
12	89	4%	5%
13	94	5%	1%
14	94	3%	1%
15	92	4%	-4%
16	91	3%	-5%



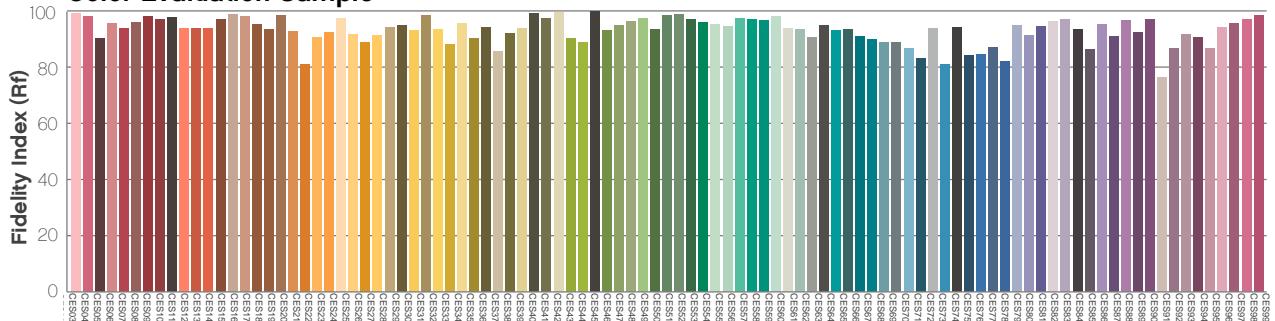
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Cool White

## Report Summary

### Measurements

Fixture Output: 906 lm  
Fixture Peak: 3828 cd  
Fixture Efficacy: 19 lm/W  
Intensity @ 5m: 153 lux  
Color Temperature: 6480 K  
CRI: 92.7 CRI R9 Value: 77.6  
CQS: 90.7  
TLCI: 96  
TM-30 Rf: 90.8  
TM-30 Rg: 101.2  
Beam Angle (50%): 28.9°  
Field Angle (10%): 44.1°  
Cutoff Angle (3%): 51.8°

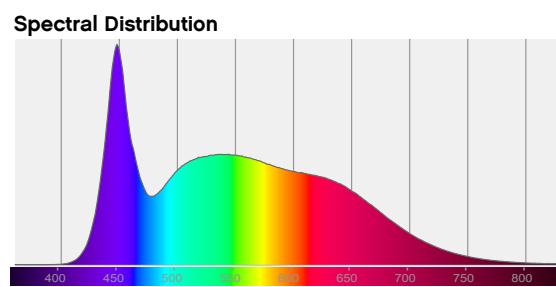
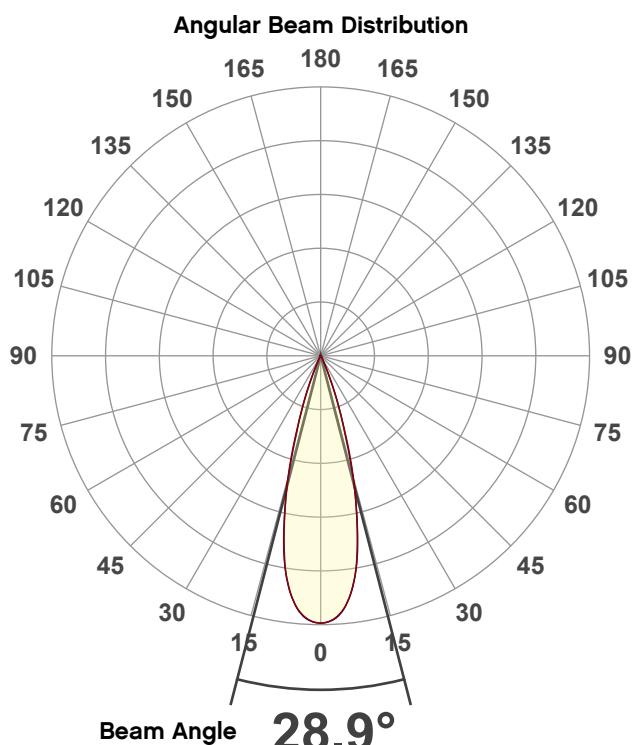


### Conditions

AC Supply: 120 V, 60 Hz  
Power: 50.17 W  
Current: 0.418 A  
Power Factor: 0.96

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/21/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.314  
Y: 0.324

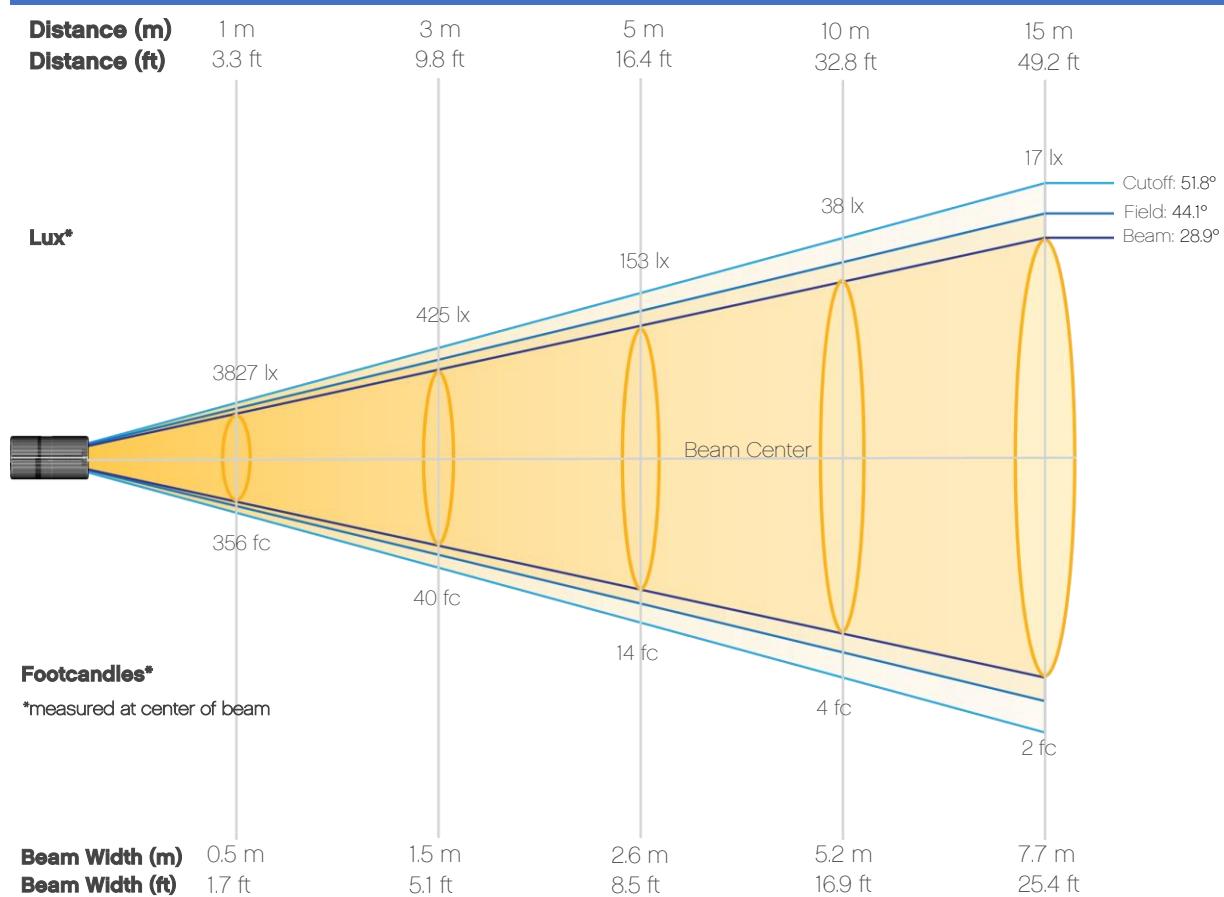
**Light Quality**  
CRI: 92.7

**Color Temperature**  
6480 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Cool White

## Beam Details



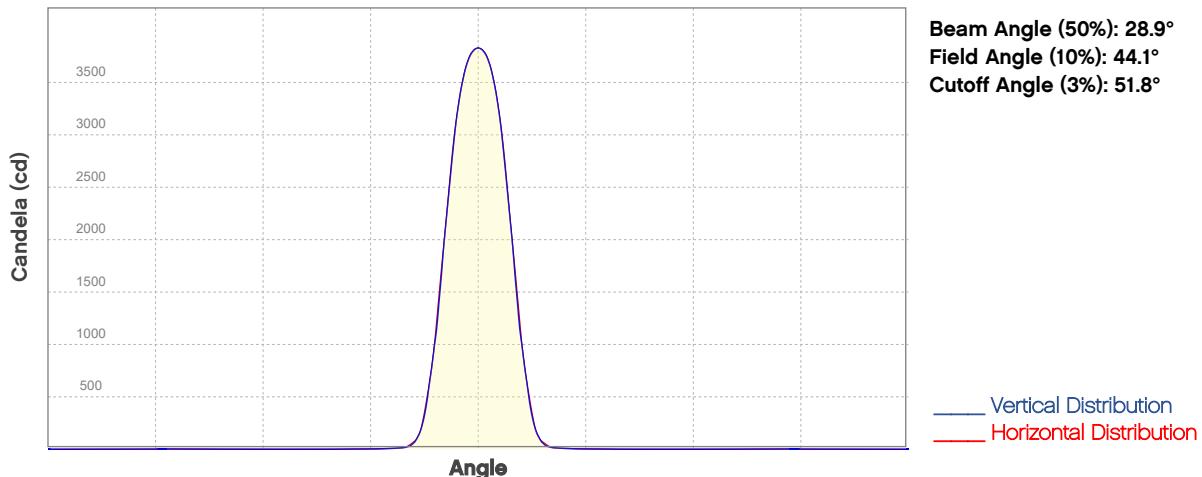
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3827	957	425	239	153	106	78	60	47	38
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	32	27	23	20	17	15	13	12	11	10
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	356	89	40	22	14	10	7	6	4	4
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3	2	2	2	2	1	1	1	1	1

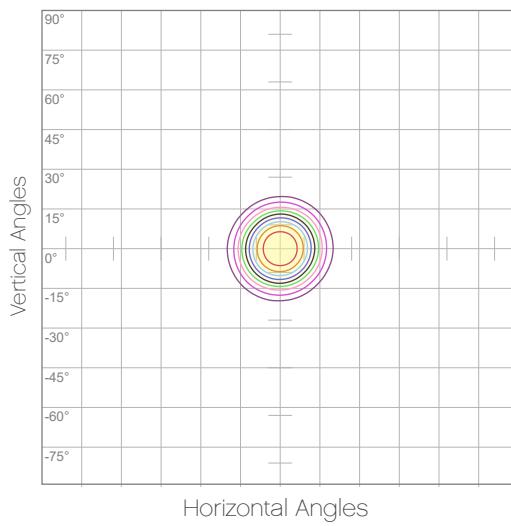
# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Cool White

Candela Plot



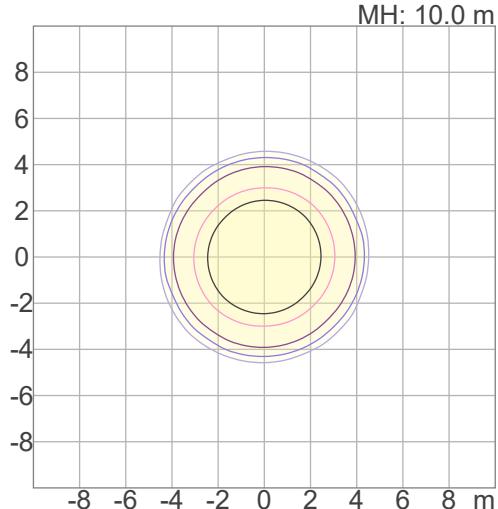
## ISO Diagrams



ISO Candela Diagram

10%	383 cd
20%	765 cd
30%	1148 cd
40%	1531 cd
50%	1913 cd
60%	2296 cd
70%	2679 cd
80%	3062 cd
90%	3444 cd

Conditions:  
Number of c-planes: 8  
Candela at center: 3827 cd



ISO Lux Diagram

3%	1.15 lx
5%	1.91 lx
10%	3.83 lx
30%	11.5 lx
50%	19.1 lx

Conditions:  
Number of c-planes: 8  
Candela at center: 38.3 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

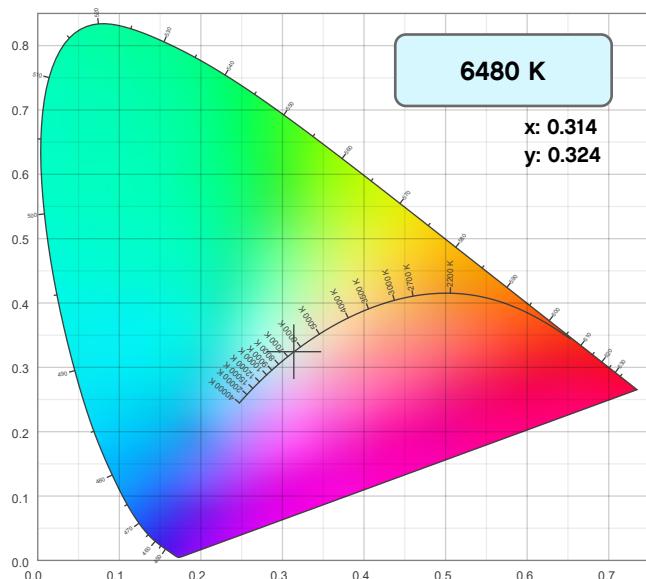
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

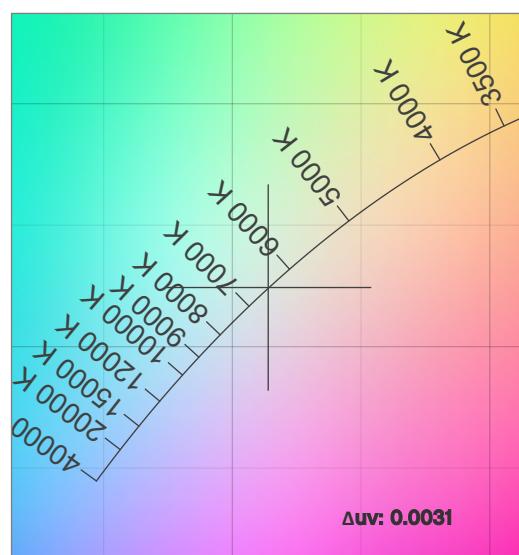
COLORado 2 Solo VW: Full Flood, Cool White

## Chromaticity

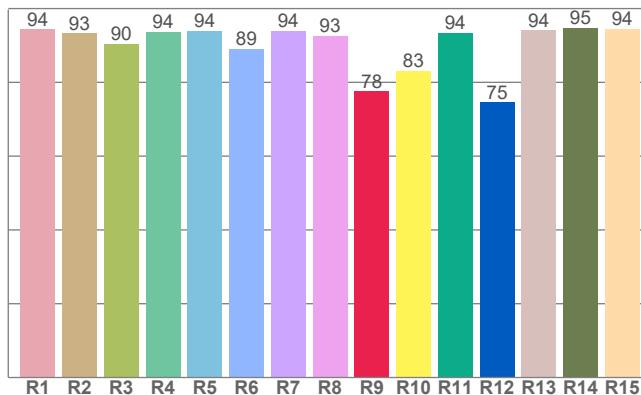
CIE 1931



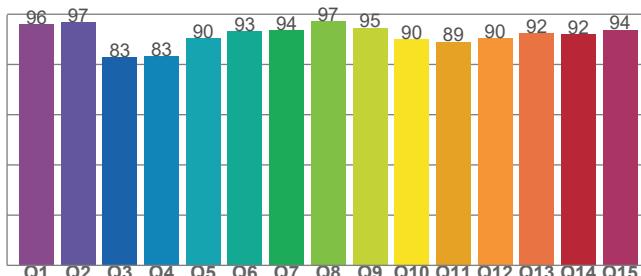
CIE 1931 - Zoom



CRI: 92.7 (R1-R8)



CQS: 90.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6480 K	0.314	0.324

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0031	0.324	0.200

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.7	77.6	90.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
96	90.8	101.2

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Cool White

## TM-30 Details

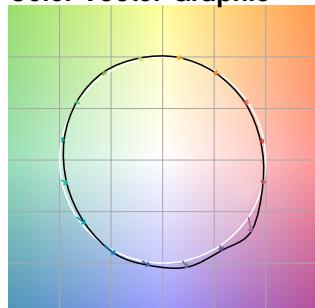
**Rf 90.8**

Fidelity Index  
(Rg)

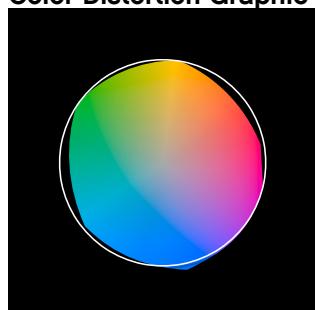
**Rg 101.2**

Gammut Index  
(Rg)

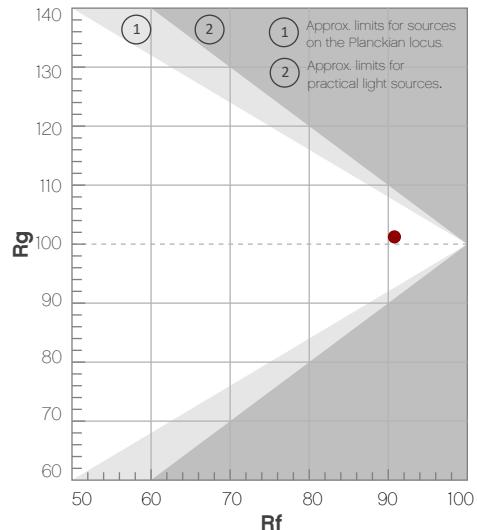
### Color Vector Graphic



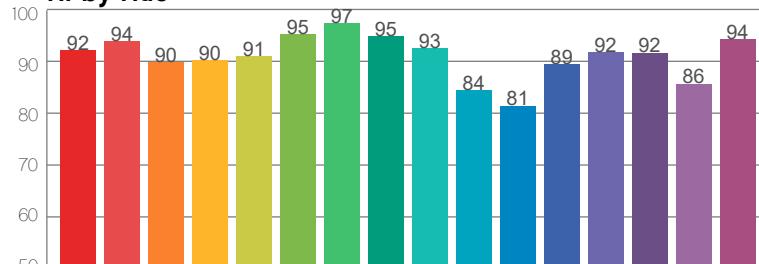
### Color Distortion Graphic



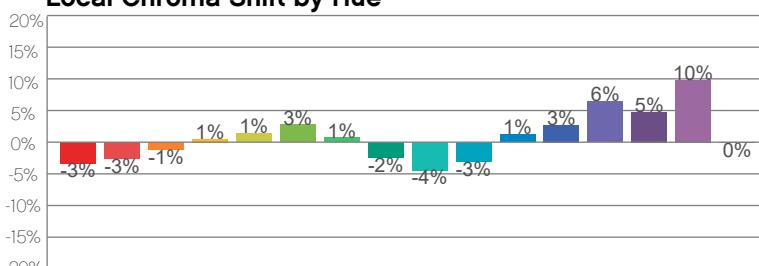
Hue Bin	<i>R<sub>f</sub></i>	Graphic shifts (%)	
		Chroma	Hue
1	92	-3%	-1%
2	94	-3%	2%
3	90	-1%	6%
4	90	1%	5%
5	91	1%	3%
6	95	3%	0%
7	97	1%	-1%
8	95	-2%	0%
9	93	-4%	4%
10	84	-3%	9%
11	81	1%	12%
12	89	3%	7%
13	92	6%	3%
14	92	5%	-1%
15	86	10%	-10%
16	94	0%	-3%



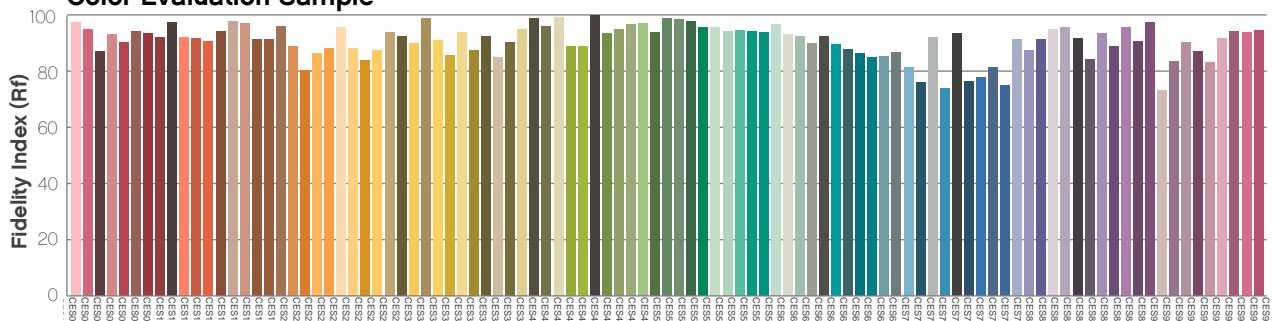
### Rf by Hue



### Local Chroma Shift by Hue



### Color Evaluation Sample



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Warm White

## Report Summary

### Measurements

Fixture Output: 703 lm  
Fixture Peak: 2962 cd  
Fixture Efficacy: 10 lm/W  
Intensity @ 5m: 118 lux  
Color Temperature: 2748 K  
CRI: 96.9      CRI R9 Value: 78.9  
CQS: 94.5  
TLCI: 96  
TM-30 Rf: 95.7  
TM-30 Rg: 100.2  
Beam Angle (50%): 28.9°  
Field Angle (10%): 44.2°  
Cutoff Angle (3%): 51.8°

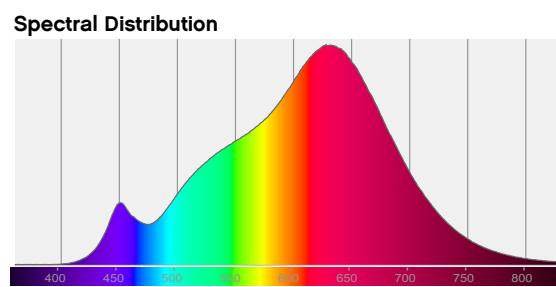
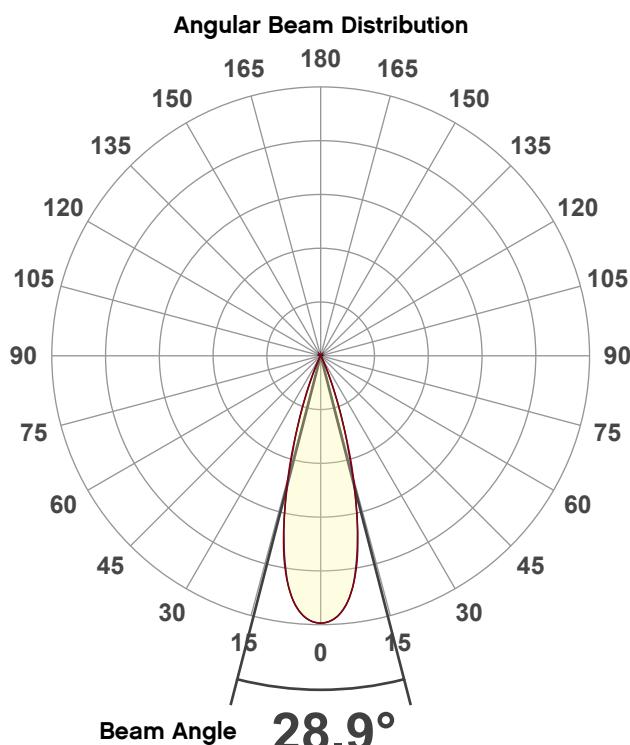


### Conditions

AC Supply: 120 V, 60 Hz  
Power: 73.07 W  
Current: 0.610 A  
Power Factor: 0.98

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/21/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.458  
Y: 0.413

**Light Quality**

CRI: 96.9

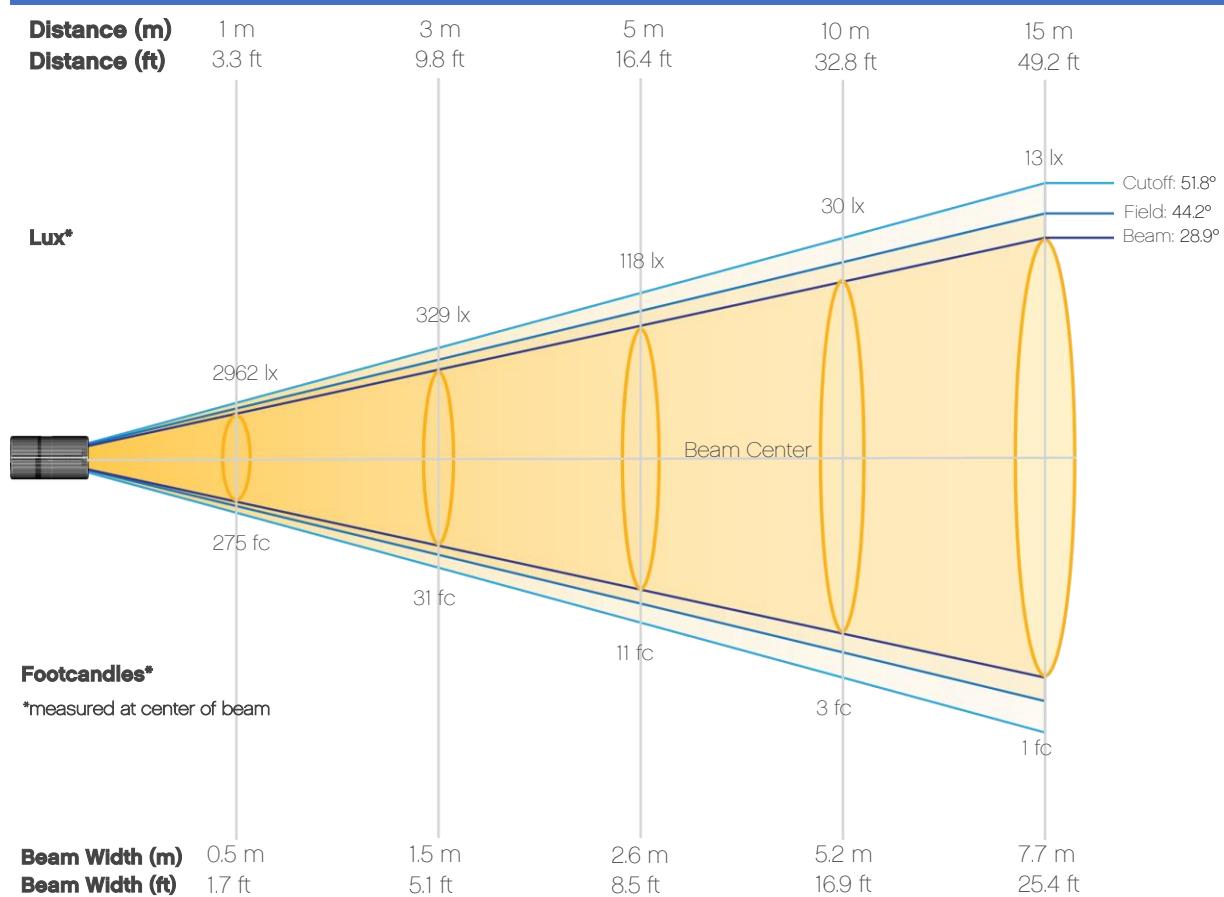
**Color Temperature**

2748 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Warm White

## Beam Details



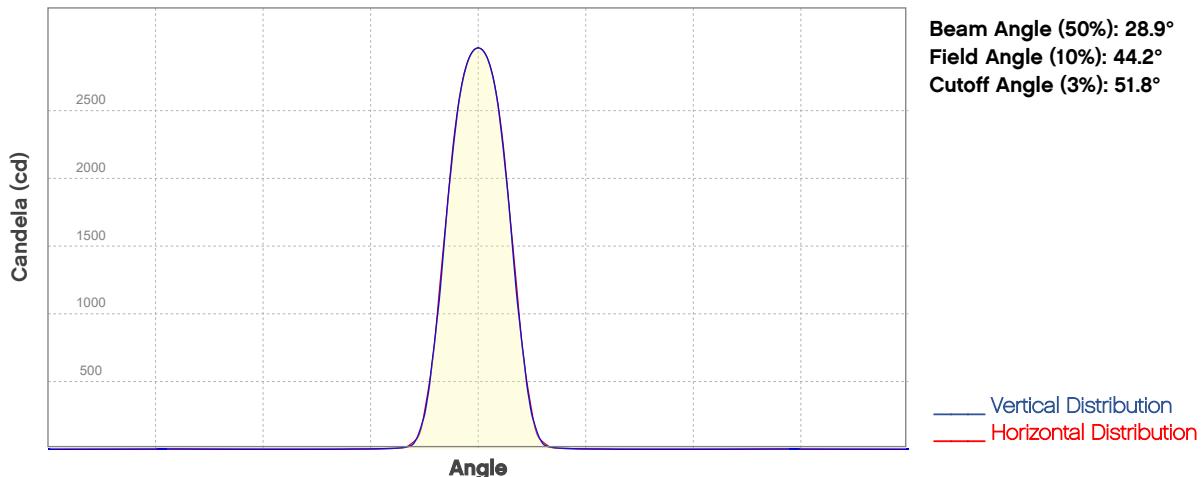
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2962	740	329	185	118	82	60	46	37	30
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	24	21	18	15	13	12	10	9	8	7
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	275	69	31	17	11	8	6	4	3	3
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2	2	2	1	1	1	1	1	1	1

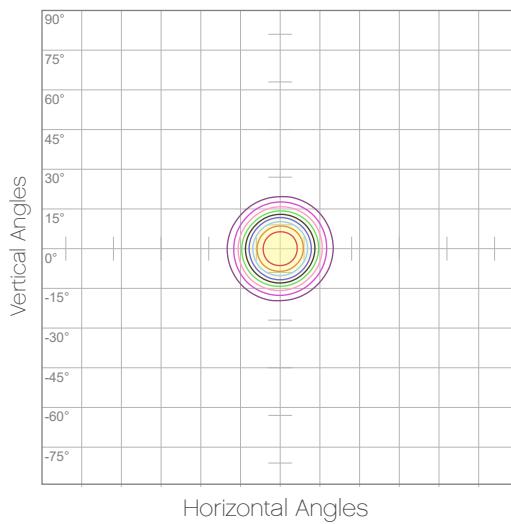
# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Warm White

Candela Plot



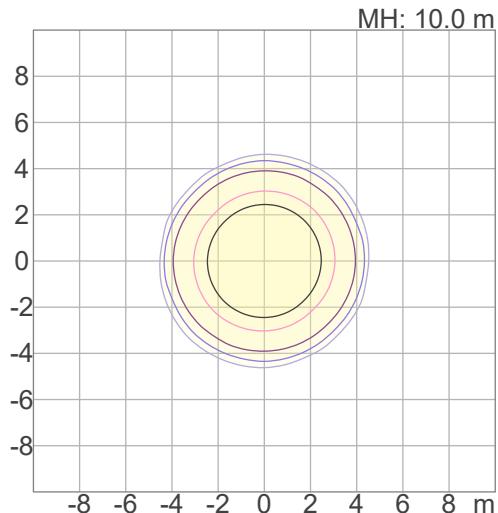
## ISO Diagrams



ISO Candela Diagram

10%	296 cd
20%	592 cd
30%	889 cd
40%	1185 cd
50%	1481 cd
60%	1777 cd
70%	2073 cd
80%	2370 cd
90%	2666 cd

Conditions:  
Number of c-planes: 8  
Candela at center: 2962 cd



ISO Lux Diagram

3%	0.889 lx
5%	1.48 lx
10%	2.96 lx
30%	8.89 lx
50%	14.8 lx

Conditions:  
Number of c-planes: 8  
Candela at center: 29.6 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

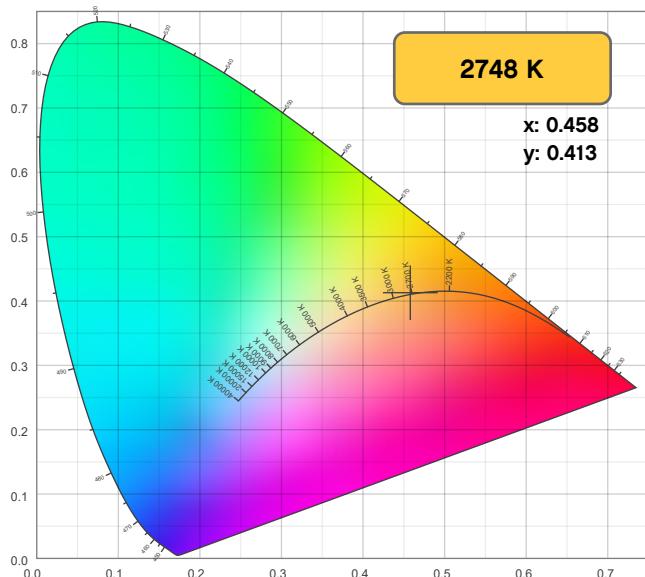
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

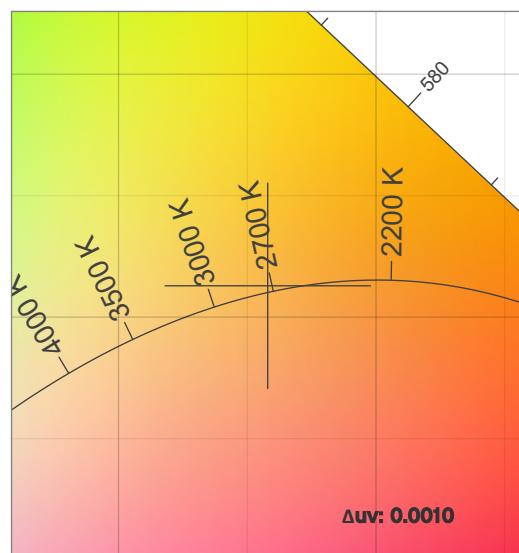
COLORado 2 Solo VW: Full Flood, Warm White

## Chromaticity

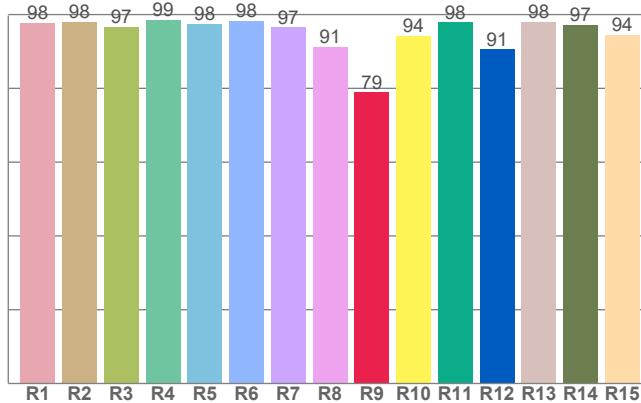
CIE 1931



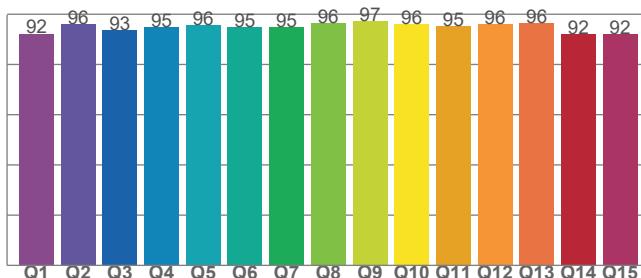
CIE 1931 - Zoom



CRI: 96.9 (R1-R8)



CQS: 94.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2748 K	0.458	0.413

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0010	0.413	0.260

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.9	78.9	94.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
96	95.7	100.2

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Flood, Warm White

## TM-30 Details

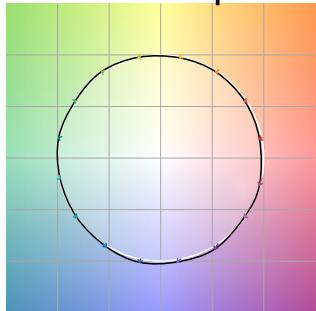
**Rf 95.7**

Fidelity Index  
(R<sub>f</sub>)

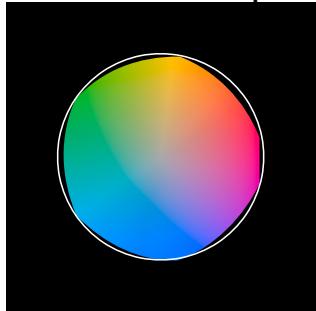
**Rg 100.2**

Gammut Index  
(R<sub>g</sub>)

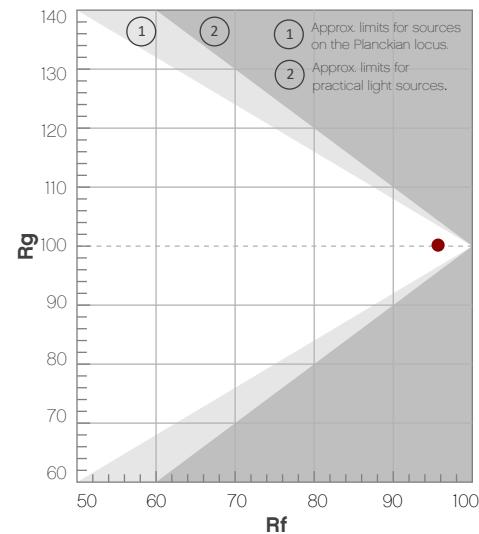
**Color Vector Graphic**



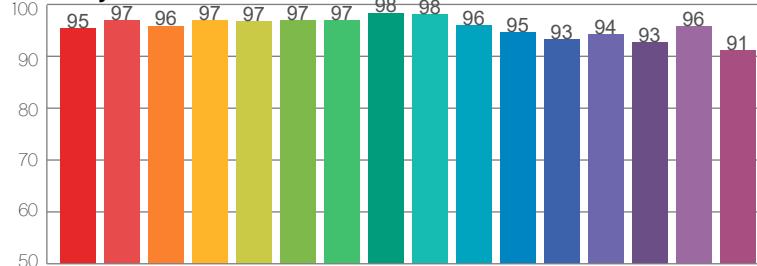
**Color Distortion Graphic**



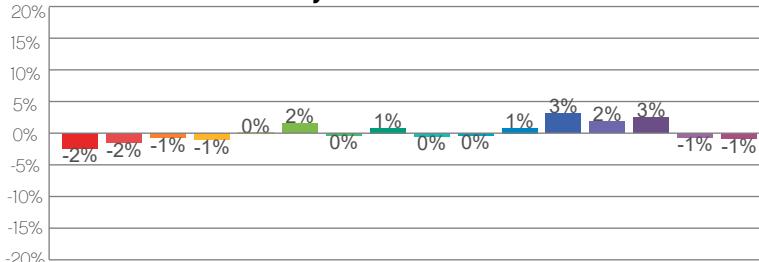
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-2%	1%
3	96	-1%	2%
4	97	-1%	1%
5	97	0%	2%
6	97	2%	1%
7	97	0%	-1%
8	98	1%	0%
9	98	0%	0%
10	96	0%	2%
11	95	1%	4%
12	93	3%	0%
13	94	2%	-4%
14	93	3%	-5%
15	96	-1%	-2%
16	91	-1%	-7%



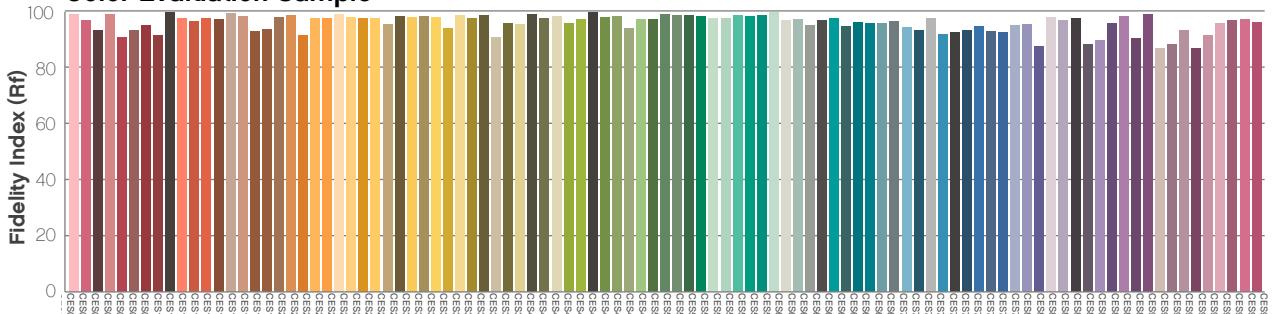
**Rf by Hue**



**Local Chroma Shift by Hue**



**Color Evaluation Sample**



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Full Power

## Report Summary

### Measurements

Fixture Output: 1273 lm  
Fixture Peak: 169095 cd  
Fixture Efficacy: 11 lm/W  
Intensity @ 5m: 6751 lux  
Color Temperature: 4226 K  
CRI: 96.8      CRI R9 Value: 97.7  
CQS: 93.7  
TLCI: 96  
TM-30 Rf: 93.1  
TM-30 Rg: 103.4  
Beam Angle (50%): 4.7°  
Field Angle (10%): 7.8°  
Cutoff Angle (3%): 9.6°

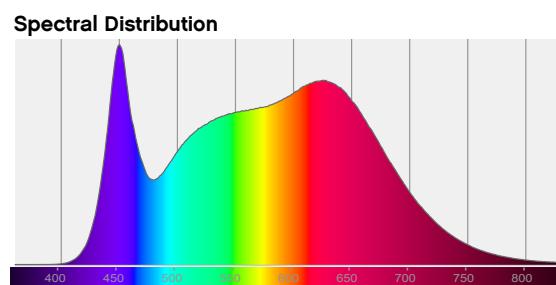
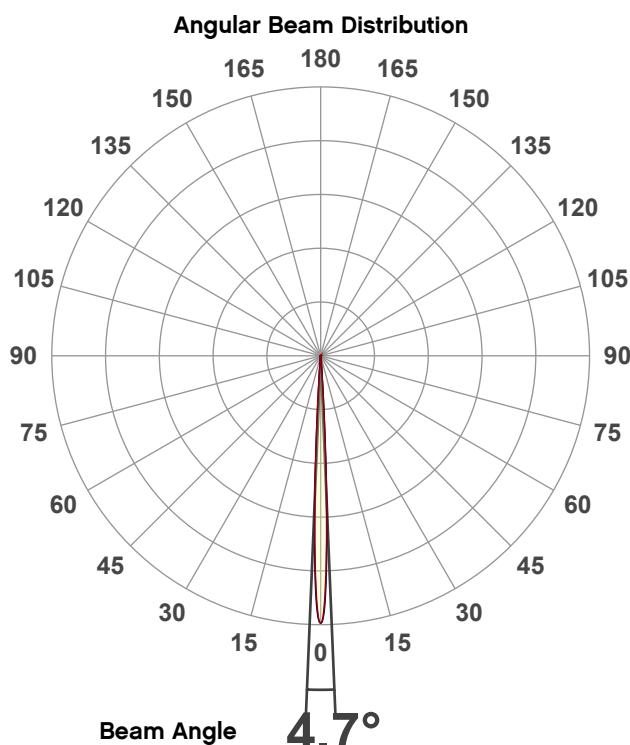


### Conditions

AC Supply: 118 V, 60 Hz  
Power: 114.98 W  
Current: 0.976 A  
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/22/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.367  
Y: 0.353

**Light Quality**

CRI: 96.8

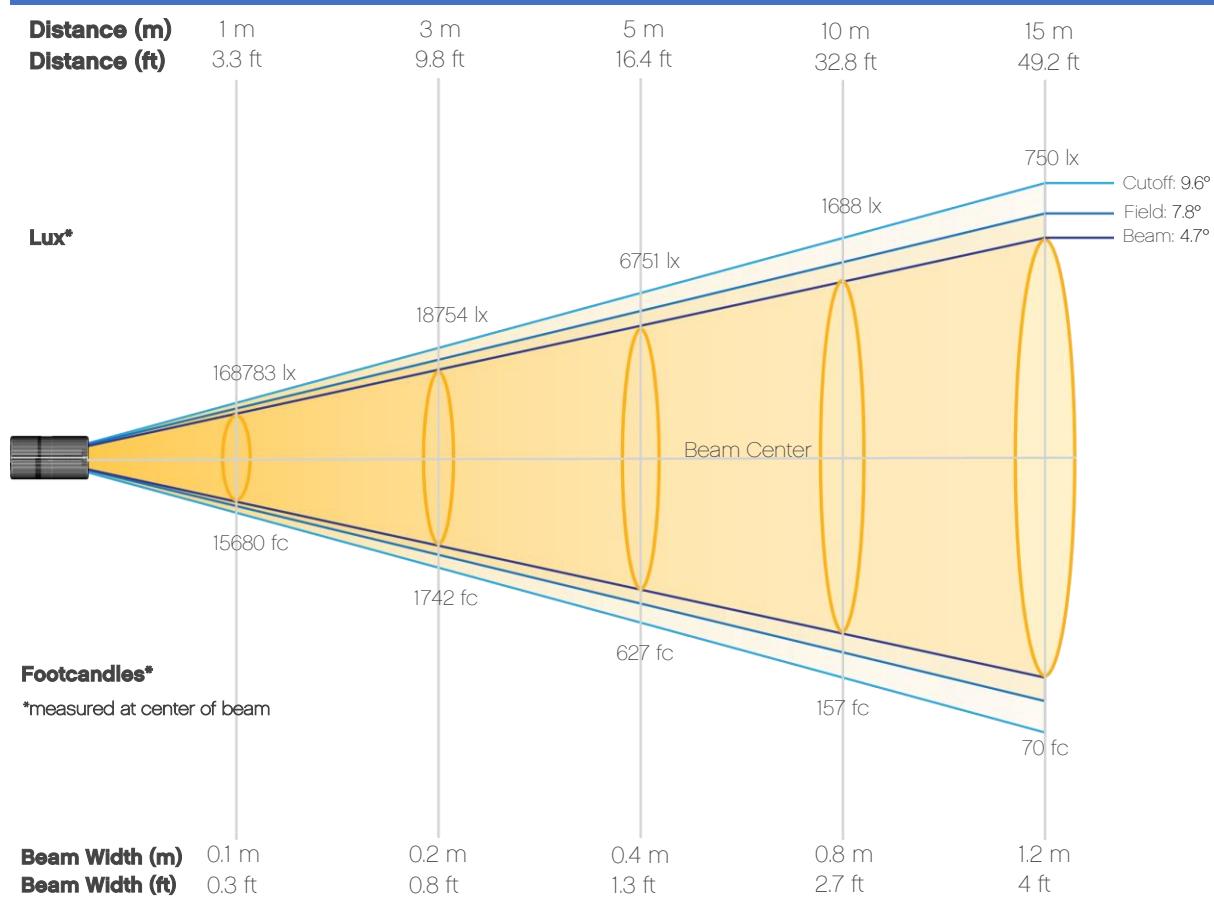
**Color Temperature**

4226 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Full Power

## Beam Details



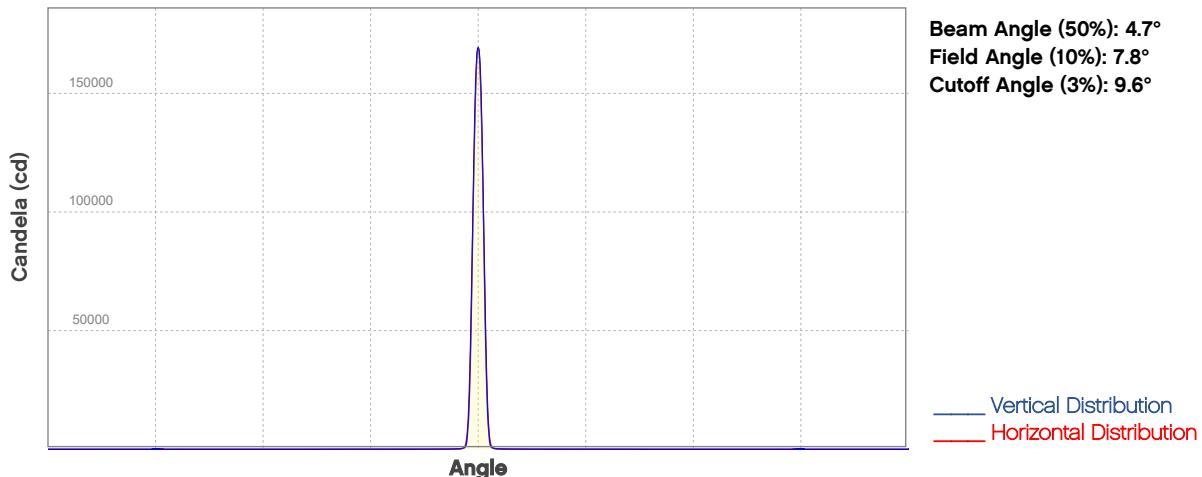
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	168783	42196	18754	10549	6751	4688	3445	2637	2084	1688
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1395	1172	999	861	750	659	584	521	468	422
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	15680	3920	1742	980	627	436	320	245	194	157
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	130	109	93	80	70	61	54	48	43	39

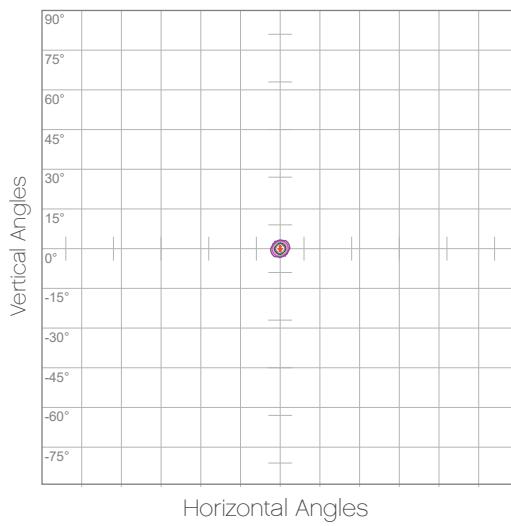
# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Full Power

Candela Plot



## ISO Diagrams

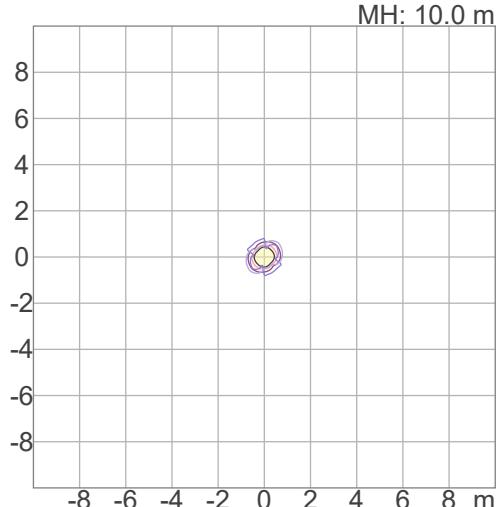


ISO Candela Diagram

10%	16878 cd
20%	33757 cd
30%	50635 cd
40%	67513 cd
50%	84392 cd
60%	101270 cd
70%	118148 cd
80%	135026 cd
90%	151905 cd

Conditions:

Number of c-planes: 8  
Candela at center: 168783 cd



ISO Lux Diagram

3%	50.6 lx
5%	84.4 lx
10%	169 lx
30%	506 lx
50%	844 lx

Conditions:

Number of c-planes: 8  
Candela at center: 1688 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

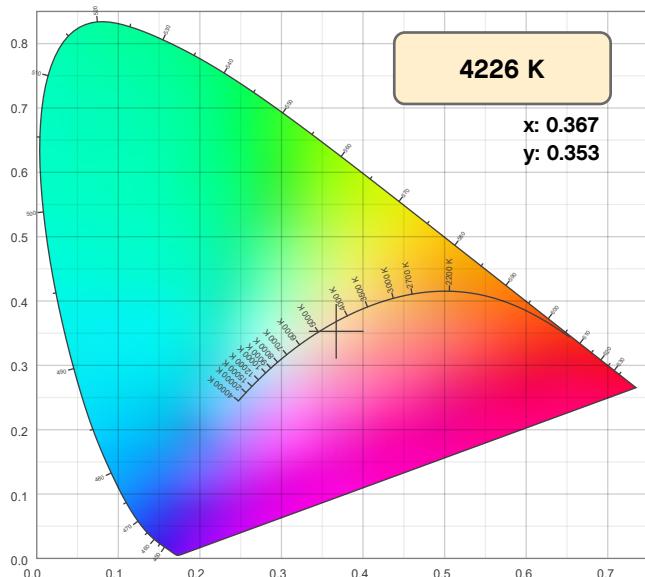
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

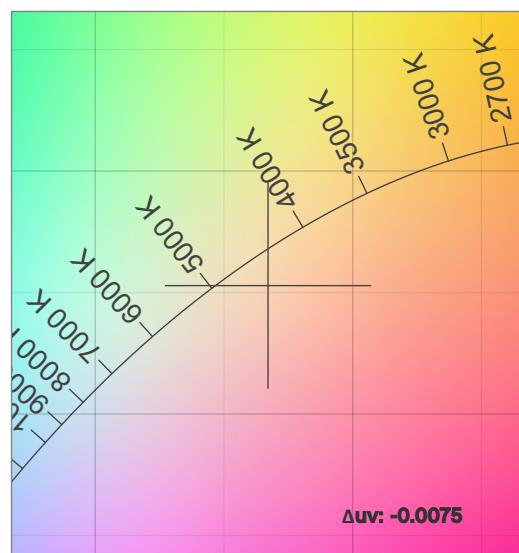
COLORado 2 Solo VW: Full Spot, Full Power

## Chromaticity

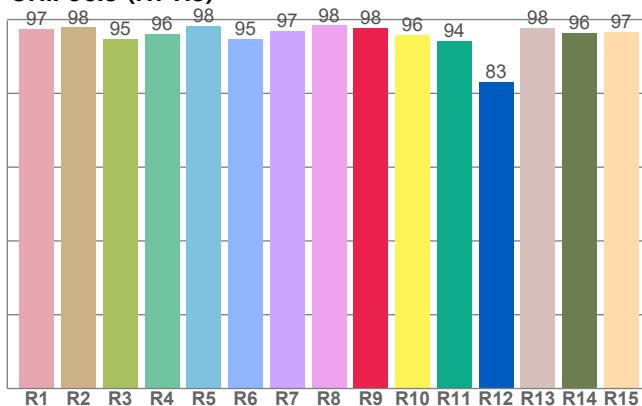
CIE 1931



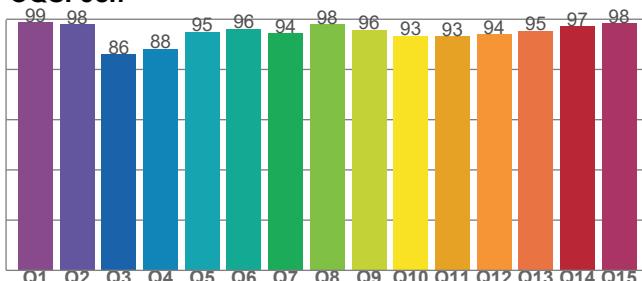
CIE 1931 - Zoom



CRI: 96.8 (R1-R8)



CQS: 93.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y

4226 K      0.367      0.353

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u

-0.0075      0.353      0.226

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS

96.8      97.7      93.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg

96      93.1      103.4

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Full Power

## TM-30 Details

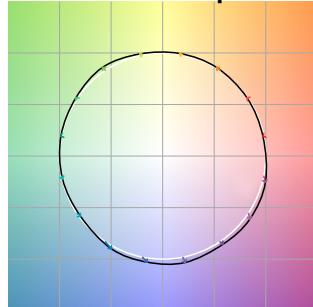
**Rf 93.1**

Fidelity Index  
(Rg)

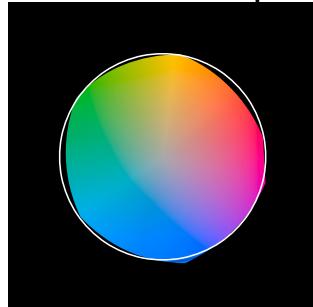
**Rg 103.4**

Gammut Index  
(Rg)

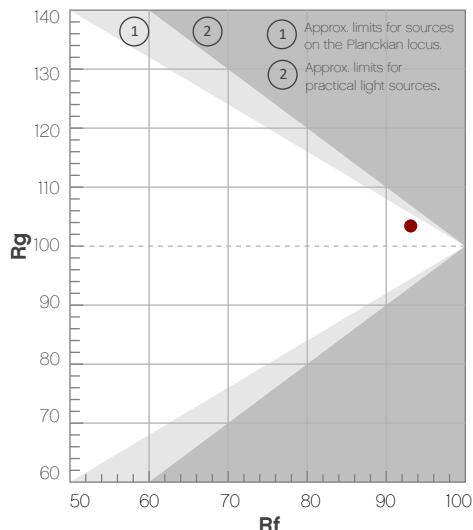
Color Vector Graphic



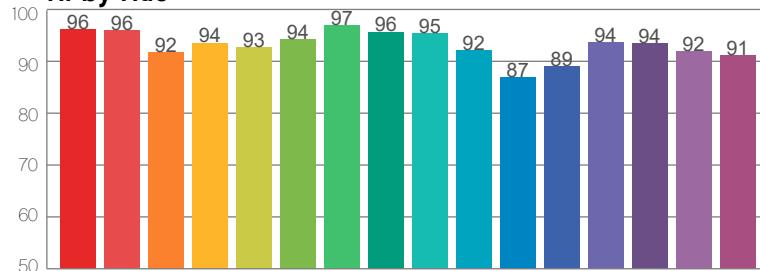
Color Distortion Graphic



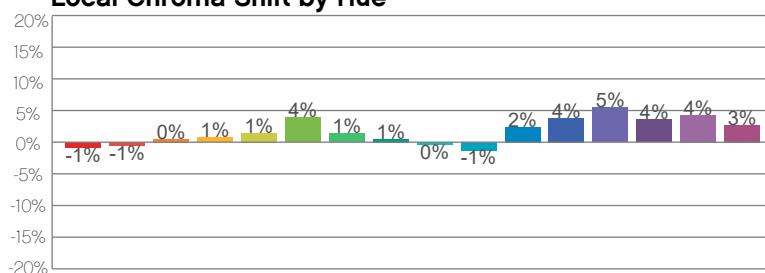
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	96	-1%	2%
3	92	0%	4%
4	94	1%	3%
5	93	1%	3%
6	94	4%	1%
7	97	1%	-1%
8	96	1%	0%
9	95	0%	3%
10	92	-1%	4%
11	87	2%	9%
12	89	4%	5%
13	94	5%	1%
14	94	4%	2%
15	92	4%	-4%
16	91	3%	-5%



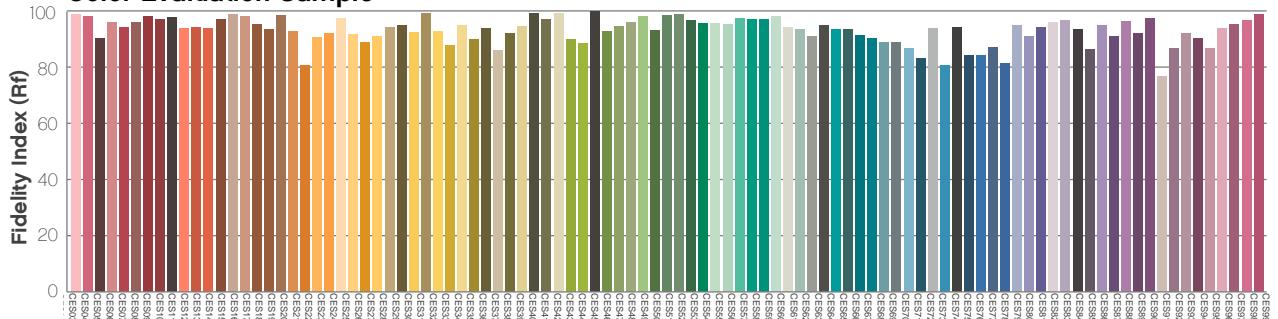
**Rf by Hue**



**Local Chroma Shift by Hue**



**Color Evaluation Sample**



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Cool White

## Report Summary

### Measurements

Fixture Output: 797 lm  
Fixture Peak: 101768 cd  
Fixture Efficacy: 16 lm/W  
Intensity @ 5m: 4062 lux  
Color Temperature: 6518 K  
CRI: 93.0 CRI R9 Value: 79.6  
CQS: 90.7  
TLCI: 96  
TM-30 Rf: 90.8  
TM-30 Rg: 101.3  
Beam Angle (50%): 4.7°  
Field Angle (10%): 7.9°  
Cutoff Angle (3%): 9.6°

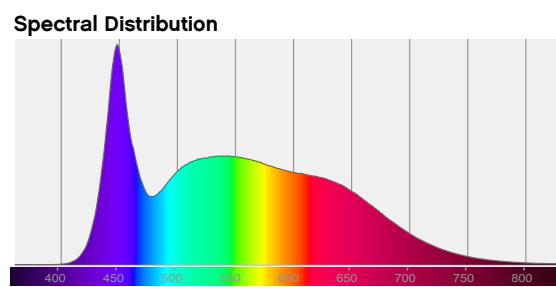
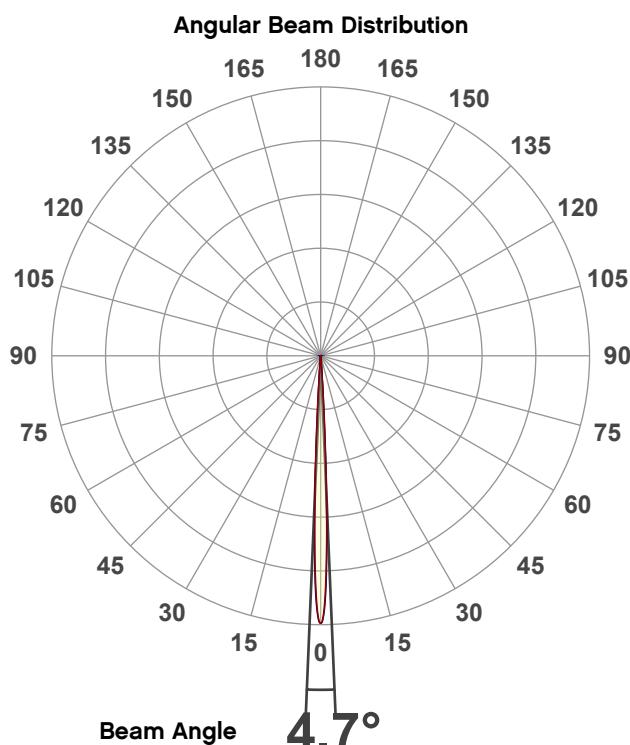


### Conditions

AC Supply: 120 V, 60 Hz  
Power: 50.26 W  
Current: 0.419 A  
Power Factor: 0.96

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/21/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.313  
Y: 0.323

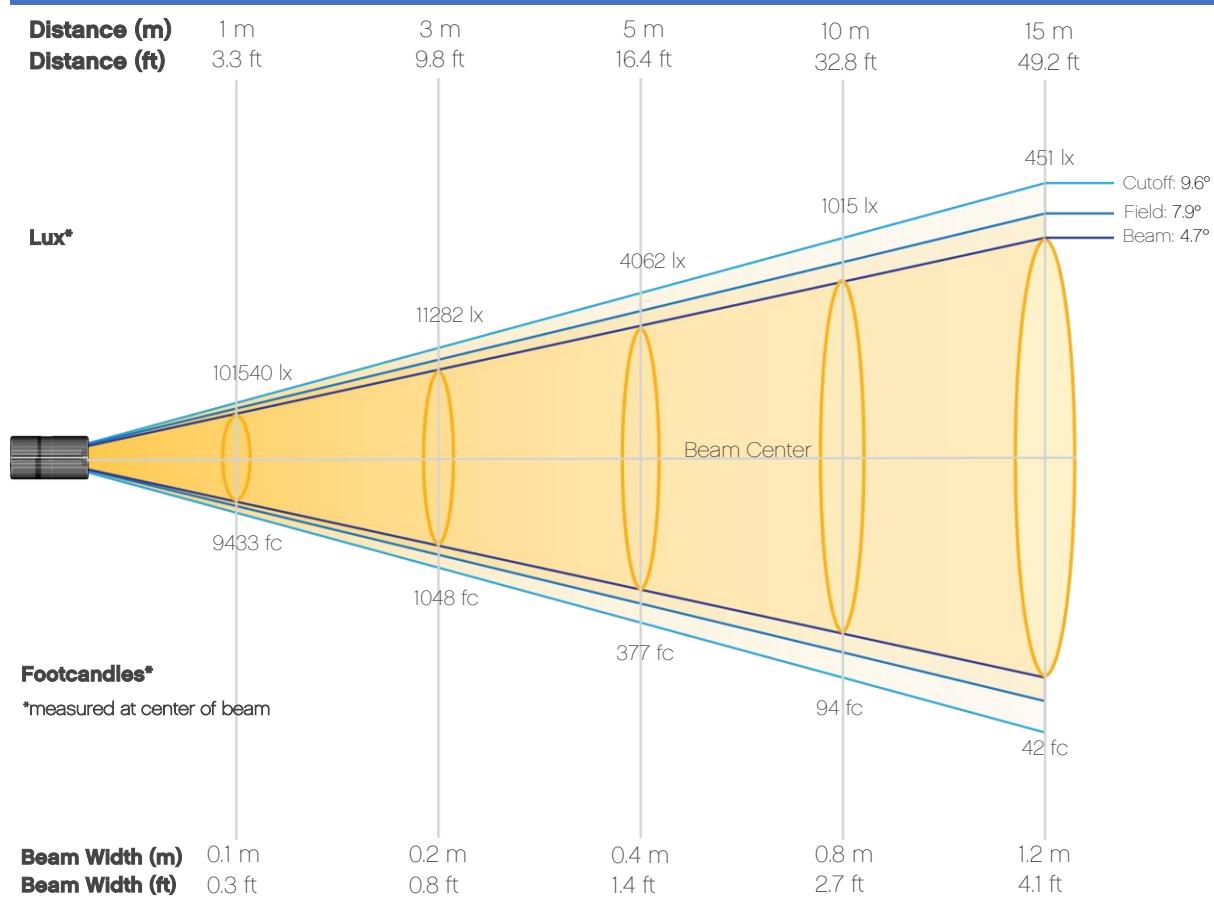
**Light Quality**  
CRI: 93.0

**Color Temperature**  
6518 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Cool White

## Beam Details



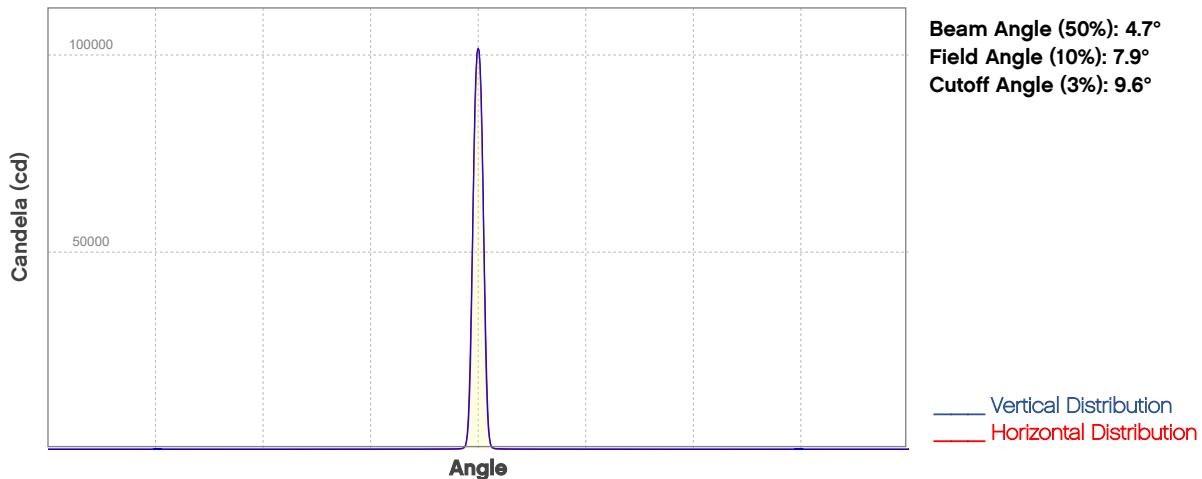
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	101540	25385	11282	6346	4062	2821	2072	1587	1254	1015
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	839	705	601	518	451	397	351	313	281	254
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	9433	2358	1048	590	377	262	193	147	116	94
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	78	66	56	48	42	37	33	29	26	24

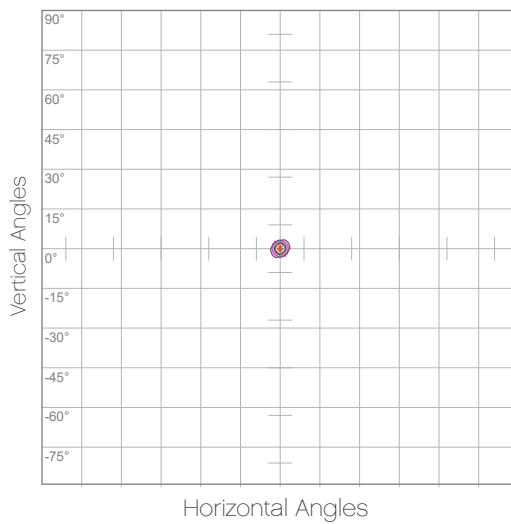
# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Cool White

Candela Plot



## ISO Diagrams

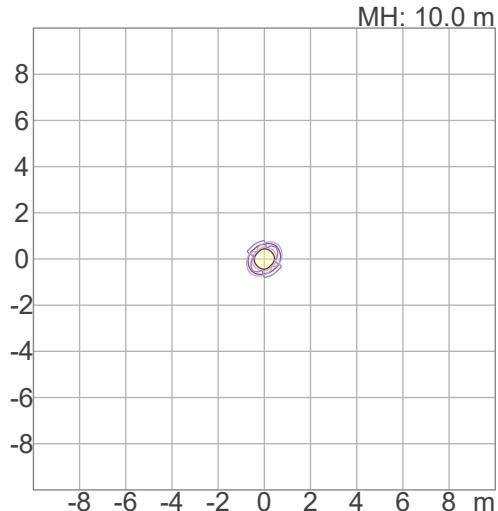


ISO Candela Diagram

10%	10154 cd
20%	20308 cd
30%	30462 cd
40%	40616 cd
50%	50770 cd
60%	60924 cd
70%	71078 cd
80%	81232 cd
90%	91386 cd

Conditions:

Number of c-planes: 8  
Candela at center: 10154 cd



ISO Lux Diagram

3%	30.5 lx
5%	50.8 lx
10%	102 lx
30%	305 lx
50%	508 lx

Conditions:

Number of c-planes: 8  
Candela at center: 1015 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

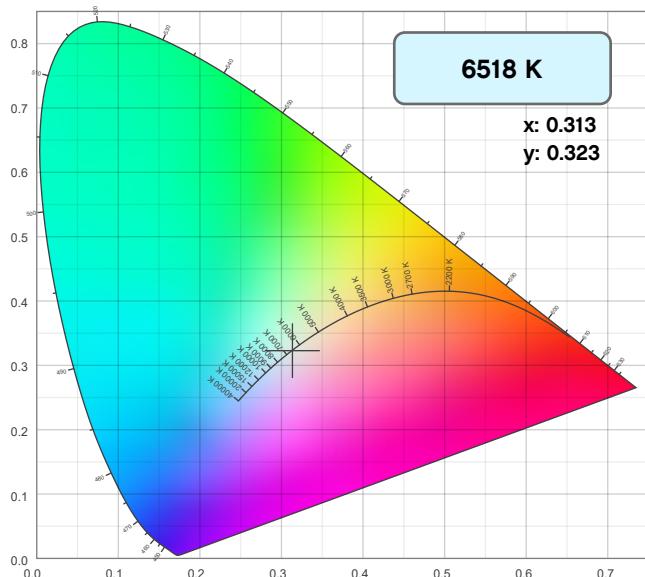
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

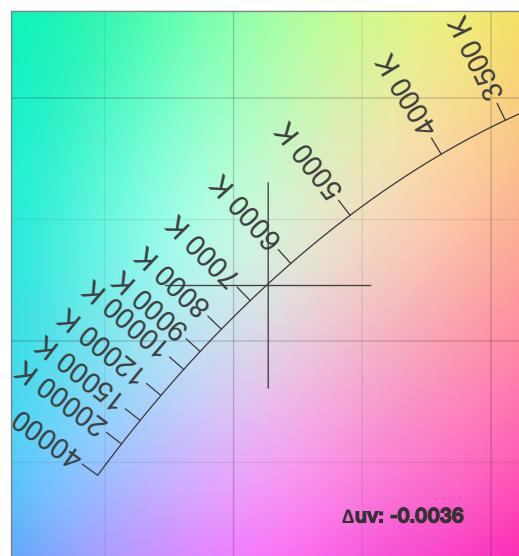
COLORado 2 Solo VW: Full Spot, Cool White

## Chromaticity

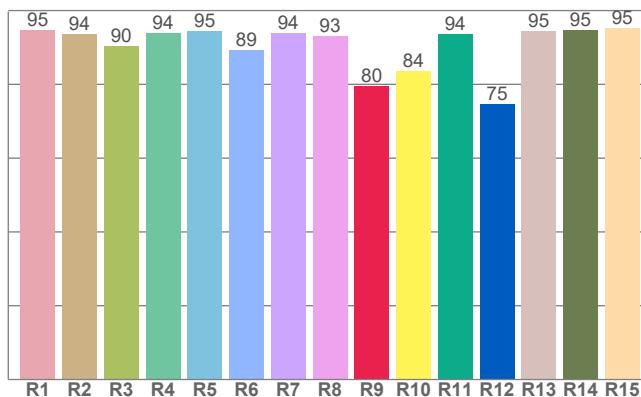
CIE 1931



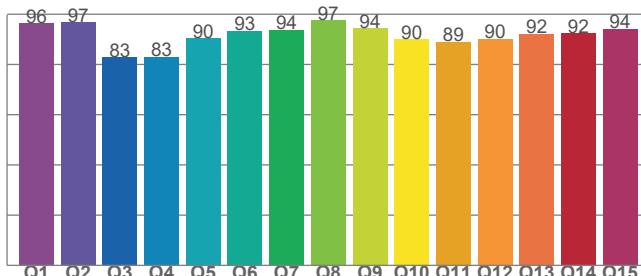
CIE 1931 - Zoom



CRI: 93.0 (R1-R8)



CQS: 90.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6518 K	0.313	0.323

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0036	0.323	0.201

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.0	79.6	90.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
96	90.8	101.3

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Cool White

## TM-30 Details

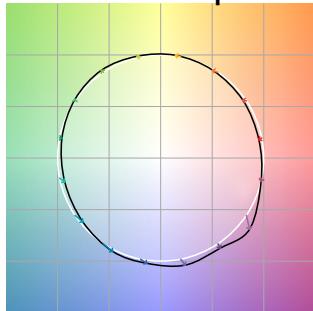
**Rf 90.8**

Fidelity Index  
(Rg)

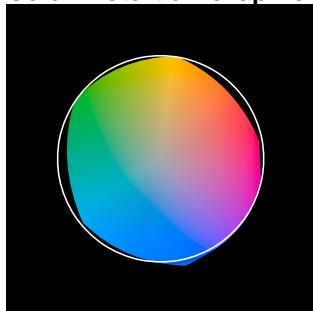
**Rg 101.3**

Gammut Index  
(Rg)

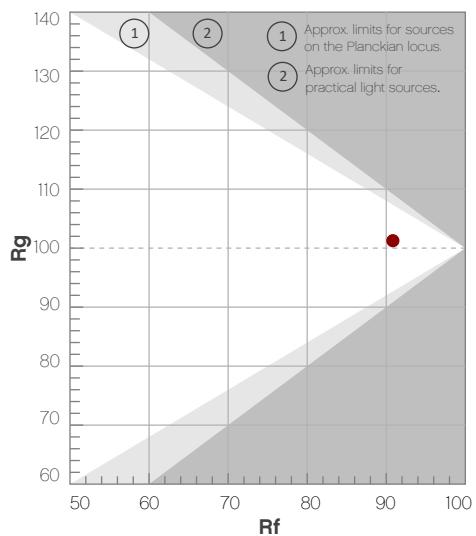
Color Vector Graphic



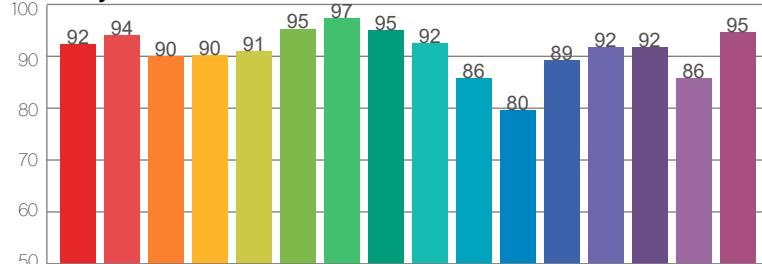
Color Distortion Graphic



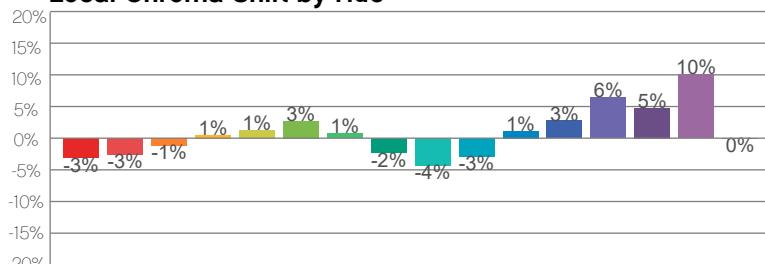
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	92	-3%	-1%
2	94	-3%	2%
3	90	-1%	5%
4	90	1%	5%
5	91	1%	3%
6	95	3%	0%
7	97	1%	-1%
8	95	-2%	0%
9	92	-4%	5%
10	86	-3%	10%
11	80	1%	12%
12	89	3%	7%
13	92	6%	3%
14	92	5%	-1%
15	86	10%	-9%
16	95	0%	-3%



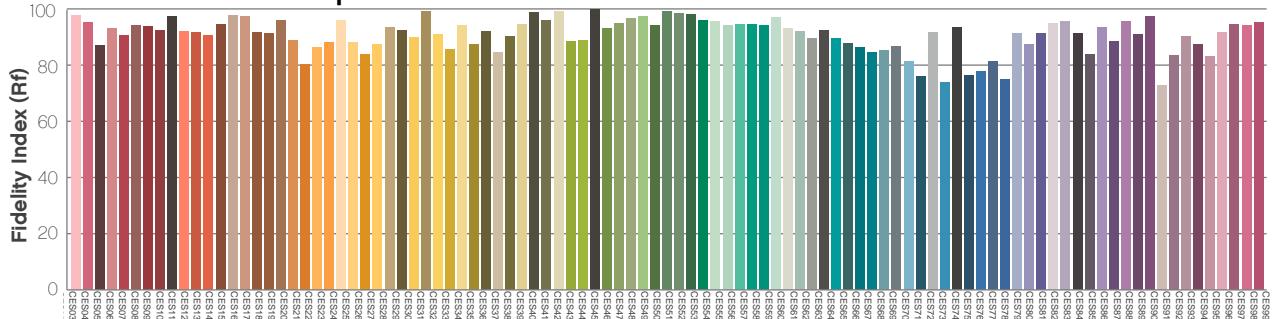
**Rf by Hue**



**Local Chroma Shift by Hue**



**Color Evaluation Sample**



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Warm White

## Report Summary

### Measurements

Fixture Output: 597 lm  
Fixture Peak: 79465 cd  
Fixture Efficacy: 8 lm/W  
Intensity @ 5m: 3171 lux  
Color Temperature: 2744 K  
CRI: 96.9      CRI R9 Value: 79.4  
CQS: 94.4  
TLCI: 96  
TM-30 Rf: 95.6  
TM-30 Rg: 100.5  
Beam Angle (50%): 4.7°  
Field Angle (10%): 7.9°  
Cutoff Angle (3%): 9.6°

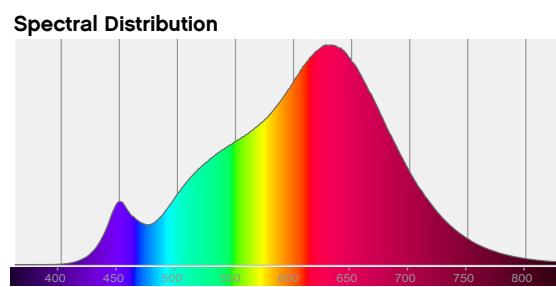
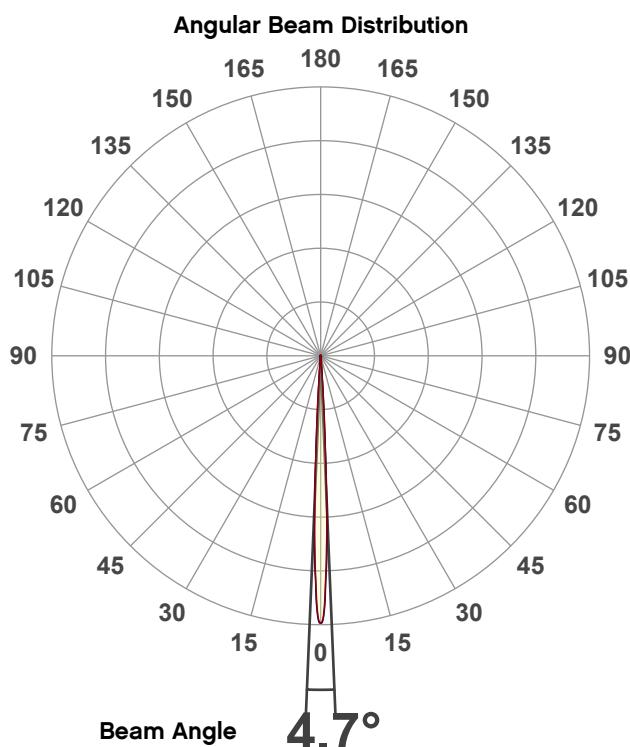


### Conditions

AC Supply: 119 V, 60 Hz  
Power: 73.43 W  
Current: 0.618 A  
Power Factor: 0.98

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/21/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.458  
Y: 0.412

**Light Quality**

CRI: 96.9

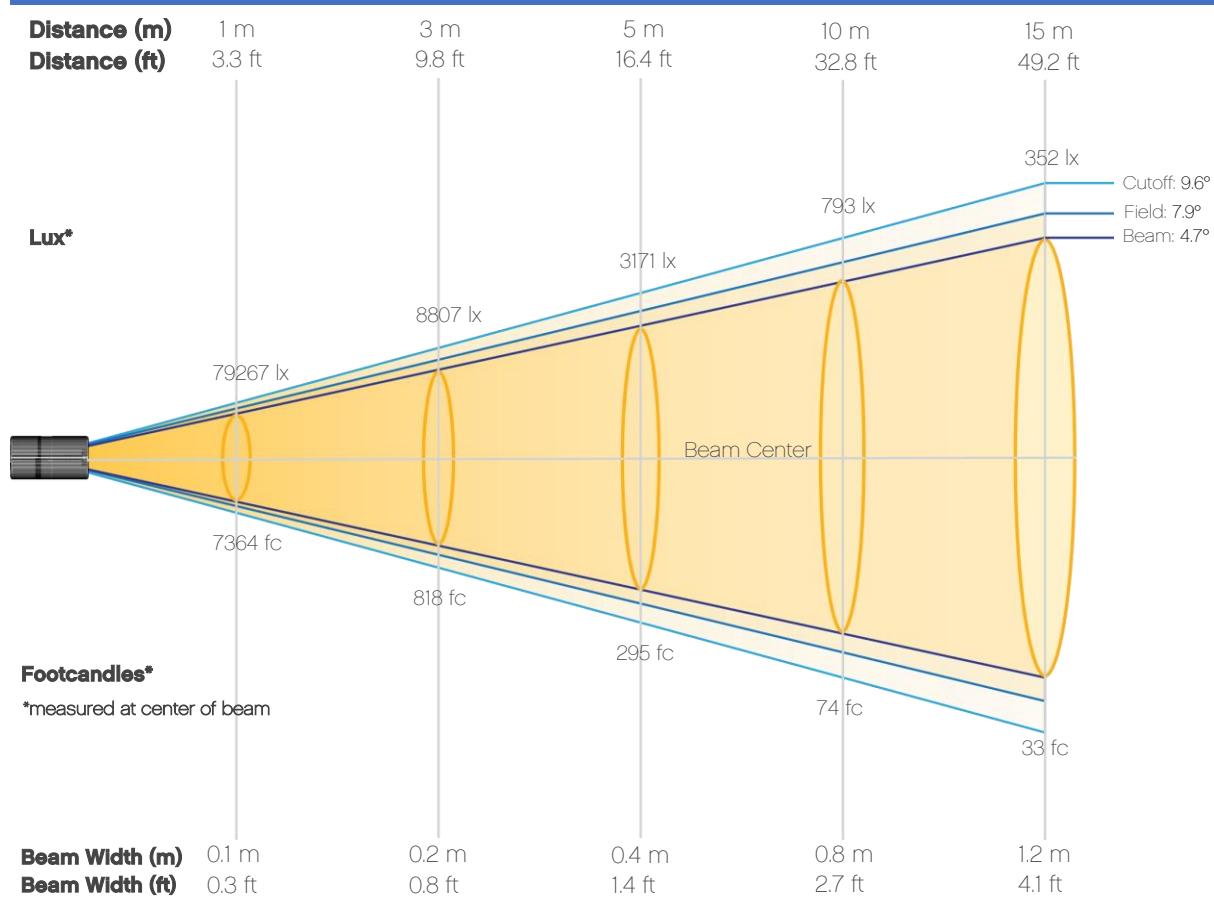
**Color Temperature**

2744 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Warm White

## Beam Details



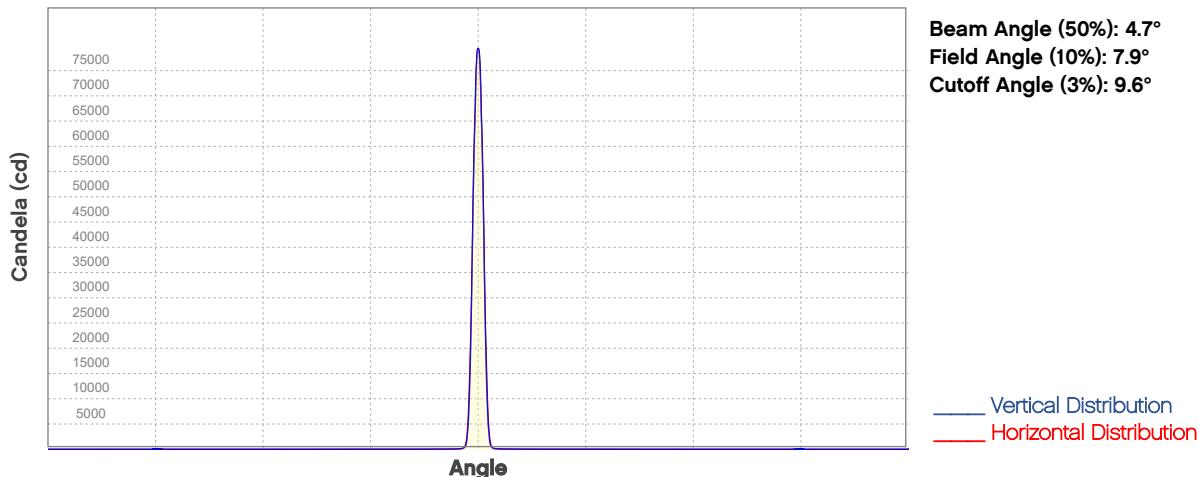
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	79267	19817	8807	4954	3171	2202	1618	1239	979	793
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	655	550	469	404	352	310	274	245	220	198
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	7364	1841	818	460	295	205	150	115	91	74
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	61	51	44	38	33	29	25	23	20	18

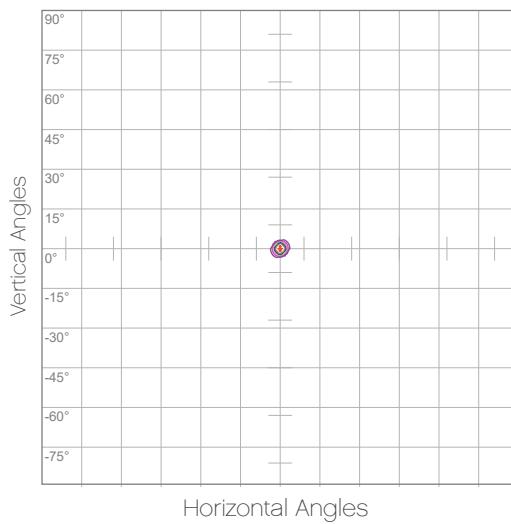
# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Warm White

Candela Plot



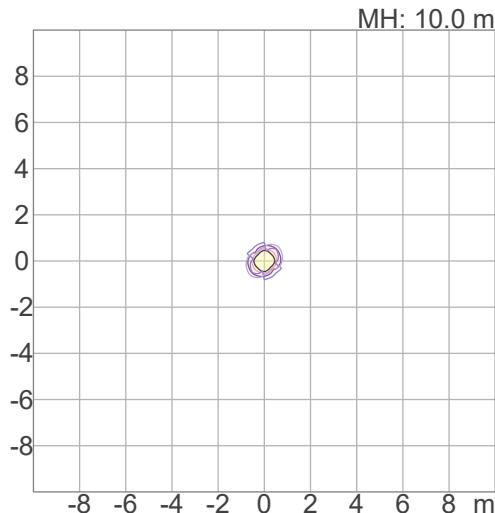
## ISO Diagrams



ISO Candela Diagram

10%	7927 cd
20%	15853 cd
30%	23780 cd
40%	31707 cd
50%	39633 cd
60%	47560 cd
70%	55487 cd
80%	63414 cd
90%	71340 cd

Conditions:  
Number of c-planes: 8  
Candela at center: 79267 cd



ISO Lux Diagram

3%	23.8 lx
5%	39.6 lx
10%	79.3 lx
30%	238 lx
50%	396 lx

Conditions:  
Number of c-planes: 8  
Candela at center: 793 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

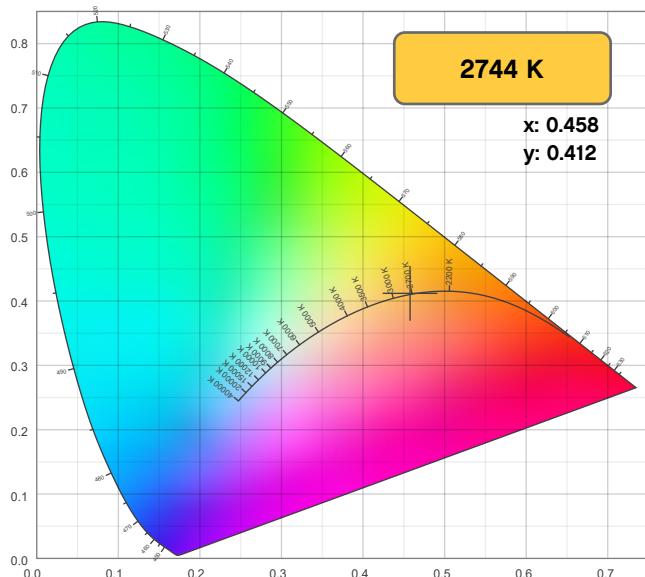
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

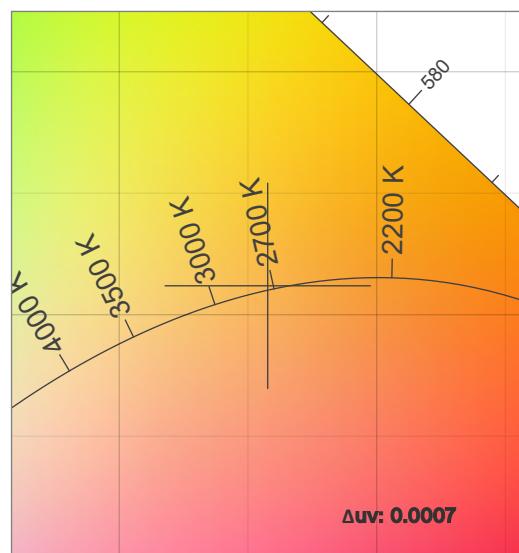
COLORado 2 Solo VW: Full Spot, Warm White

## Chromaticity

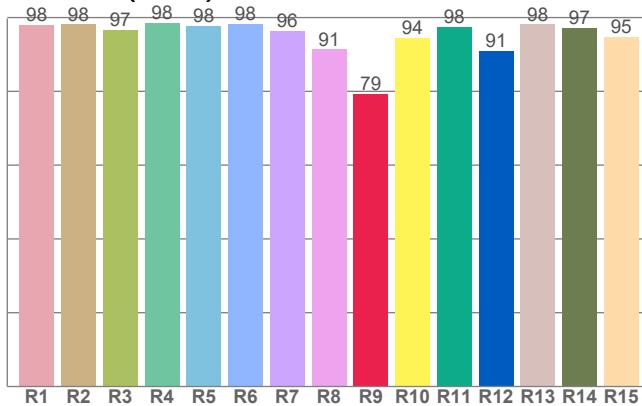
CIE 1931



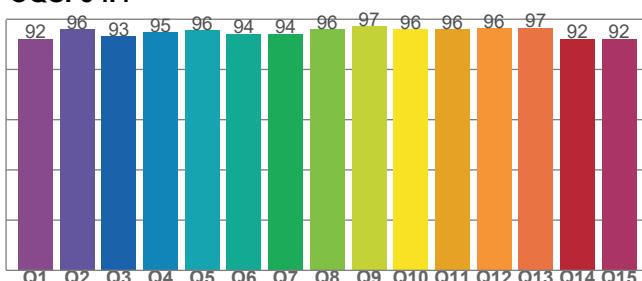
CIE 1931 - Zoom



CRI: 96.9 (R1-R8)



CQS: 94.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2744 K	0.458	0.412

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0007	0.412	0.260

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.9	79.4	94.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
96	95.6	100.5

# Photometric & Chromaticity Report

COLORado 2 Solo VW: Full Spot, Warm White

## TM-30 Details

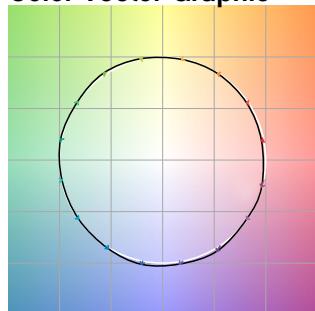
**Rf 95.6**

Fidelity Index  
(Rg)

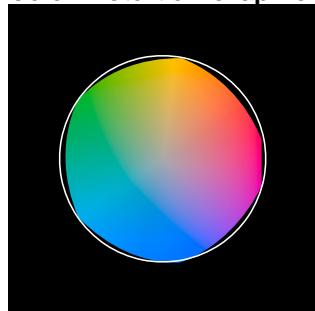
**Rg 100.5**

Gammut Index  
(Rg)

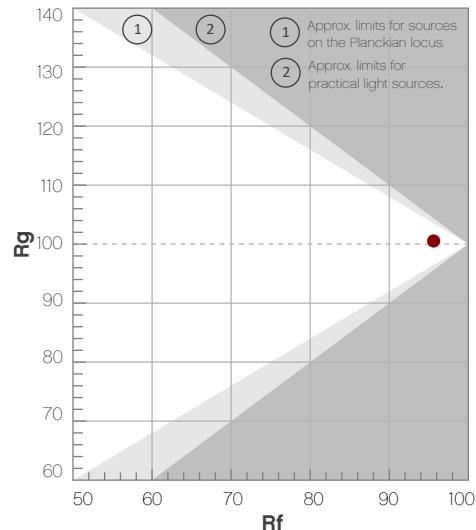
Color Vector Graphic



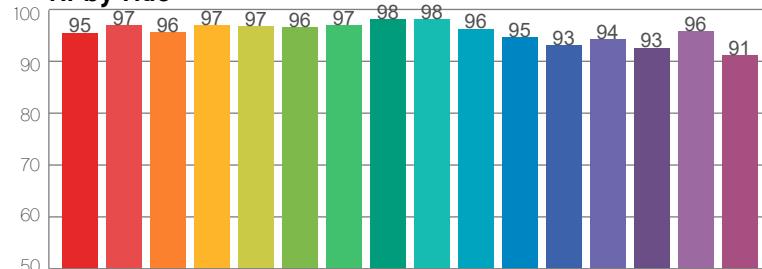
Color Distortion Graphic



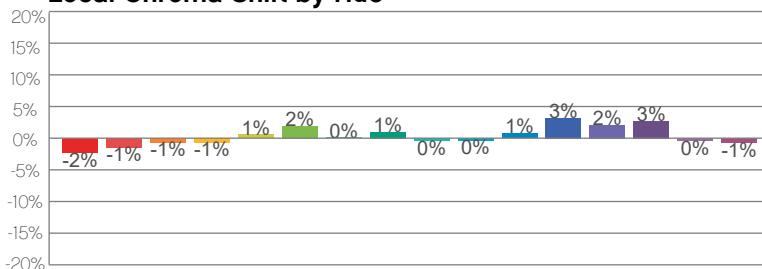
Hue Bin	<i>R<sub>f</sub></i>	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	-1%
2	97	-1%	1%
3	96	-1%	2%
4	97	-1%	1%
5	97	1%	2%
6	96	2%	1%
7	97	0%	-1%
8	98	1%	-1%
9	98	0%	0%
10	96	0%	2%
11	95	1%	4%
12	93	3%	0%
13	94	2%	-4%
14	93	3%	-5%
15	96	0%	-2%
16	91	-1%	-7%



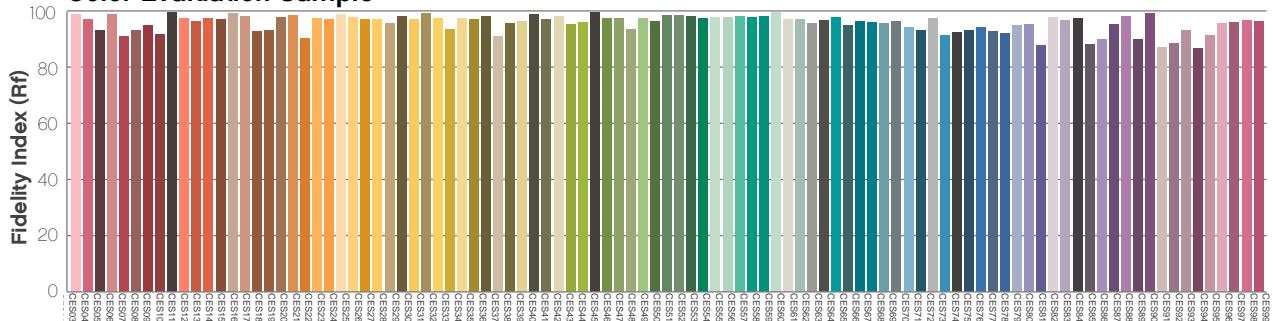
**Rf by Hue**



**Local Chroma Shift by Hue**



**Color Evaluation Sample**



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Full Power

## Report Summary

### Measurements

Fixture Output: 1468 lm  
Fixture Peak: 23436 cd  
Fixture Efficacy: 13 lm/W  
Intensity @ 5m: 936 lux  
Color Temperature: 4240 K  
CRI: 96.9      CRI R9 Value: 97.6  
CQS: 93.8  
TLCI: 97  
TM-30 Rf: 93.1  
TM-30 Rg: 103.3  
Beam Angle (50%): 14.1°  
Field Angle (10%): 23.3°  
Cutoff Angle (3%): 27.8°

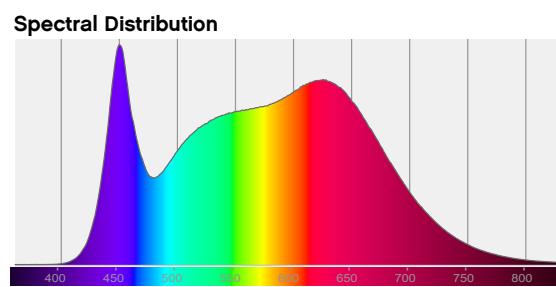
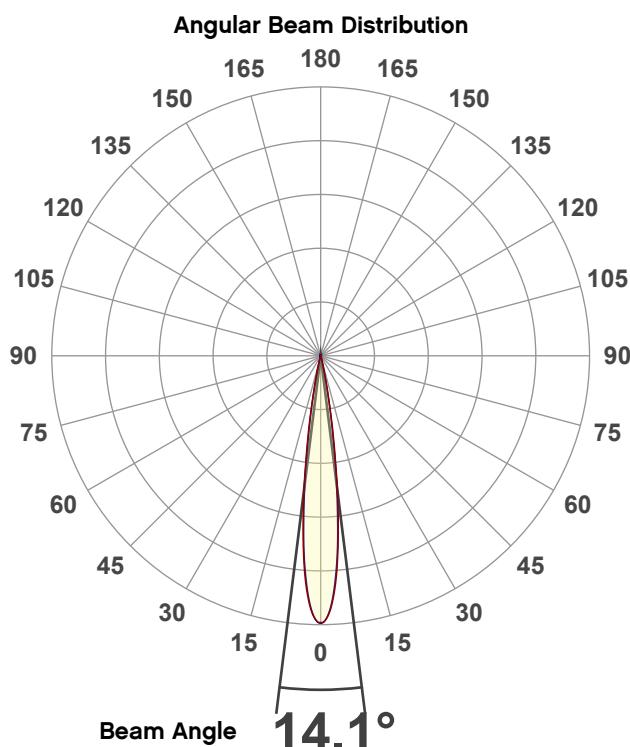


### Conditions

AC Supply: 119 V, 60 Hz  
Power: 112.86 W  
Current: 0.946 A  
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/21/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.367  
Y: 0.353

**Light Quality**

CRI: 96.9

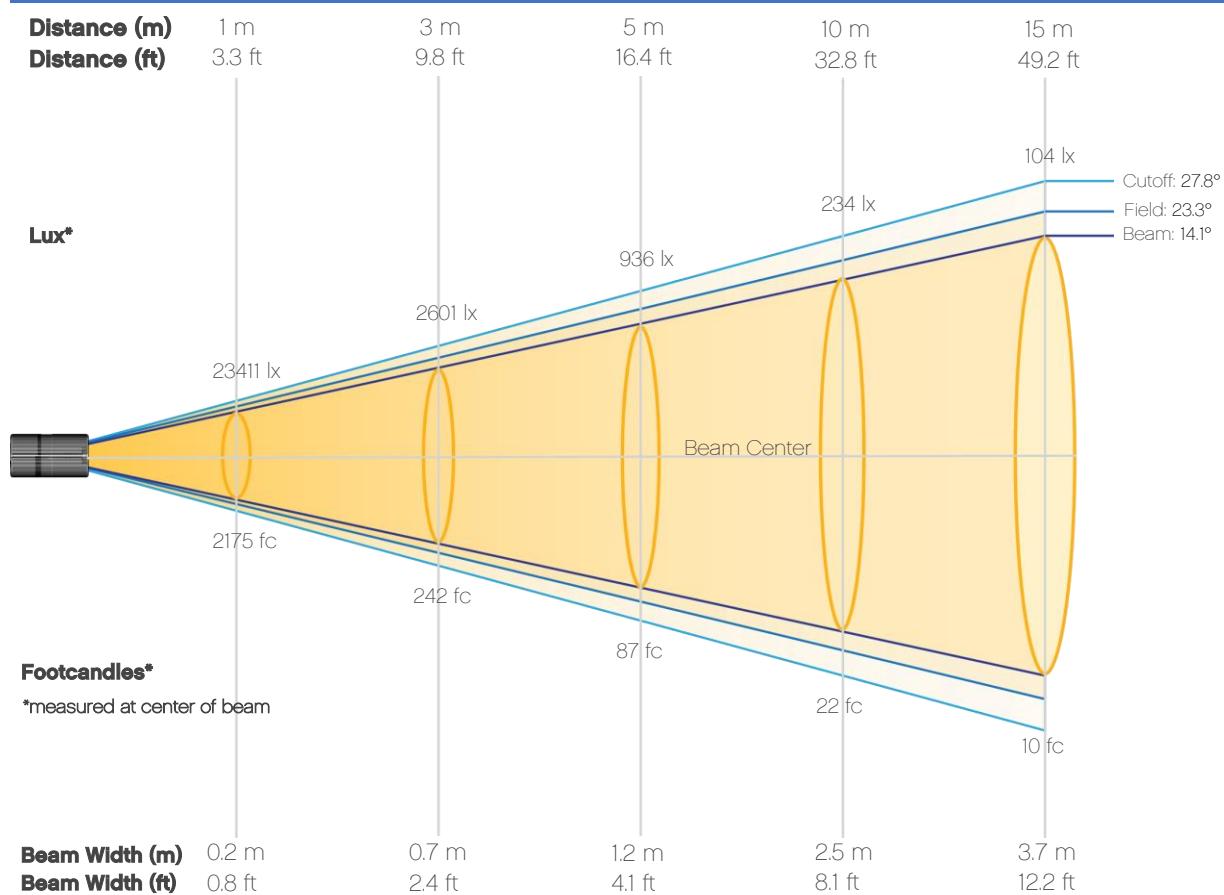
**Color Temperature**

4240 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Full Power

## Beam Details



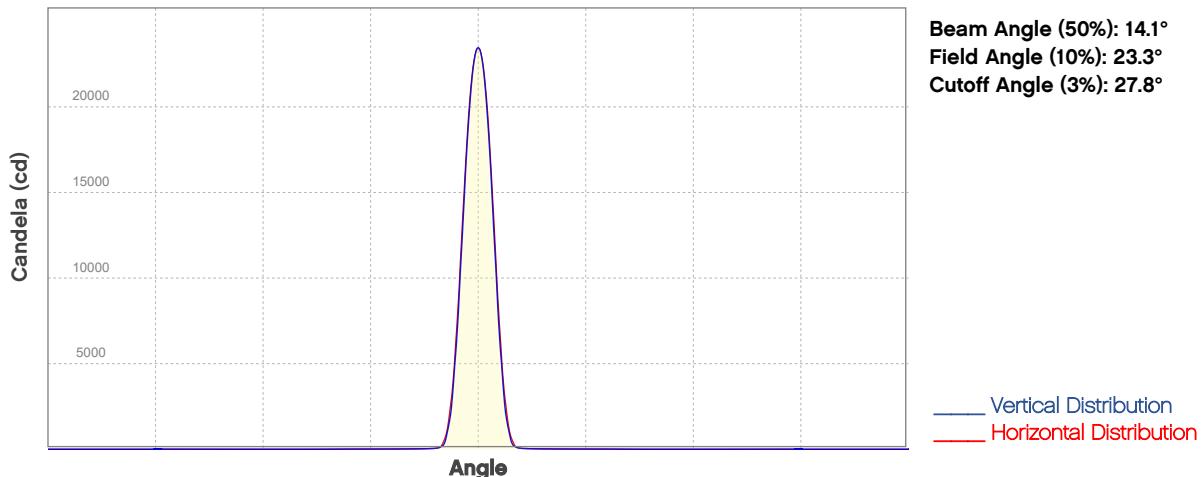
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	23411	5853	2601	1463	936	650	478	366	289	234
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	193	163	139	119	104	91	81	72	65	59
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2175	544	242	136	87	60	44	34	27	22
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	18	15	13	11	10	8	8	7	6	5

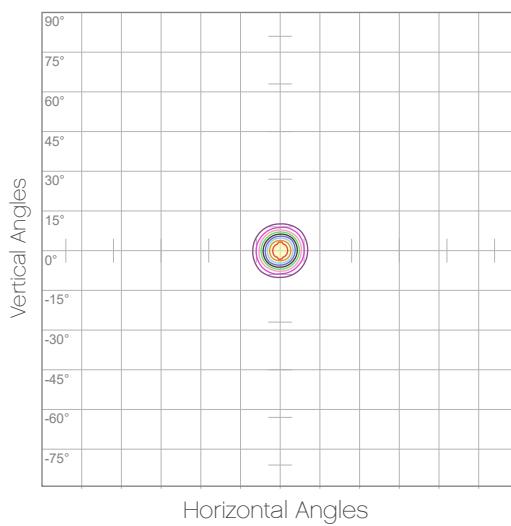
# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Full Power

Candela Plot



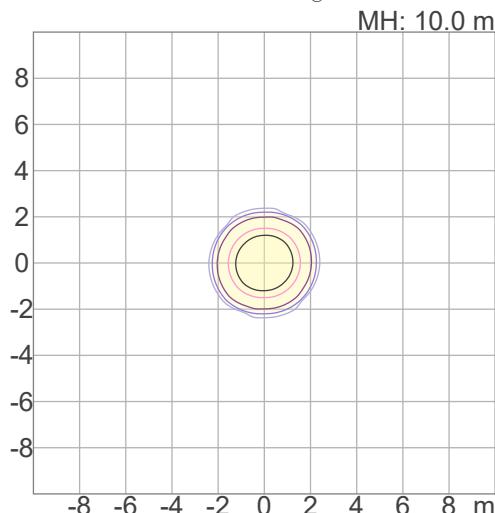
## ISO Diagrams



ISO Candela Diagram

10%	2341 cd
20%	4682 cd
30%	7023 cd
40%	9364 cd
50%	11705 cd
60%	14046 cd
70%	16388 cd
80%	18729 cd
90%	21070 cd

Conditions:  
Number of c-planes: 8  
Candela at center: 2341 cd



ISO Lux Diagram

3%	7.02 lx
5%	11.7 lx
10%	23.4 lx
30%	70.2 lx
50%	117 lx

Conditions:  
Number of c-planes: 8  
Candela at center: 234 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

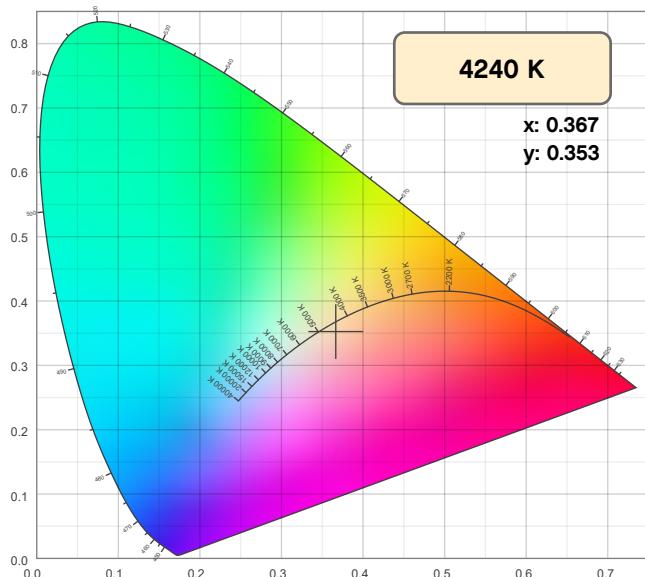
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

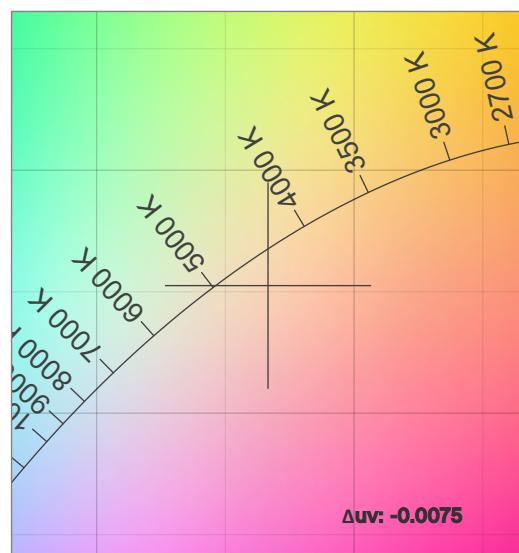
COLORado 2 Solo VW: 50% Zoom, Full Power

## Chromaticity

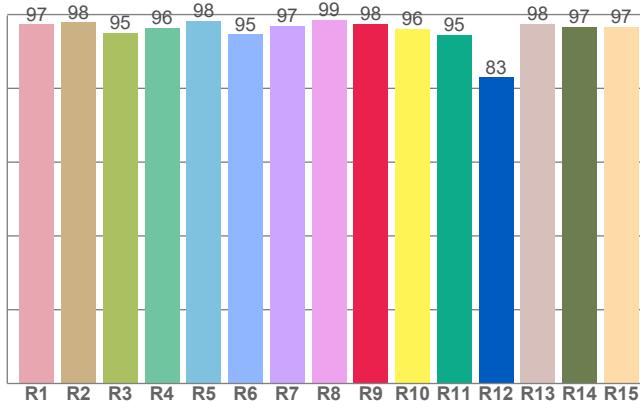
CIE 1931



CIE 1931 - Zoom



CRI: 96.9 (R1-R8)



Color Parameters

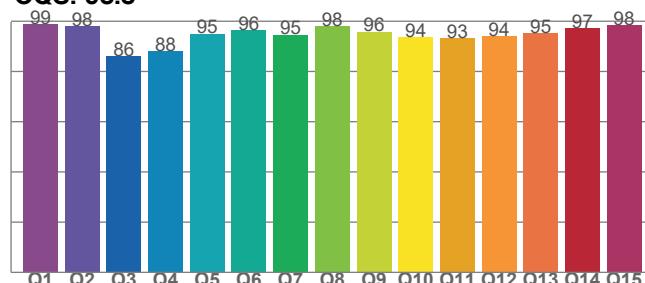
Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg

CQS: 93.8



# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Full Power

## TM-30 Details

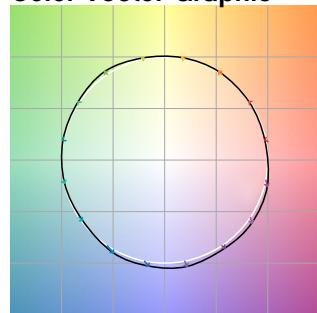
**Rf 93.1**

Fidelity Index  
(Rg)

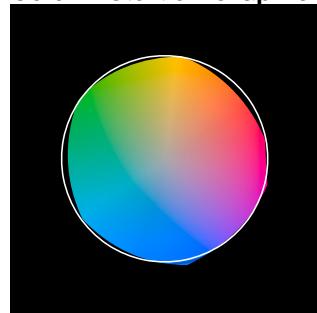
**Rg 103.3**

Gammut Index  
(Rg)

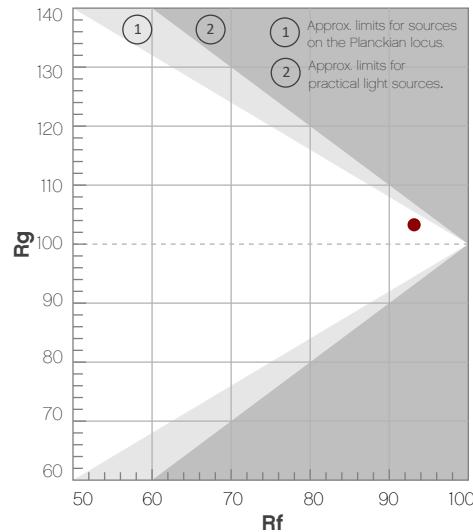
Color Vector Graphic



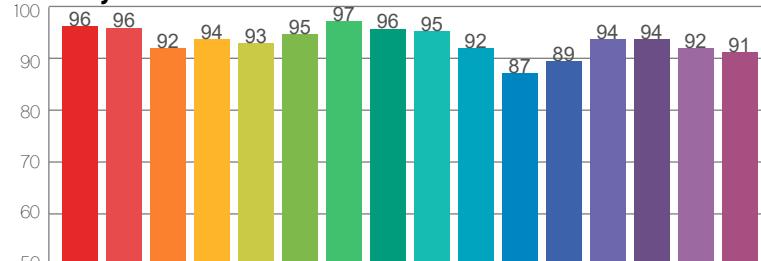
Color Distortion Graphic



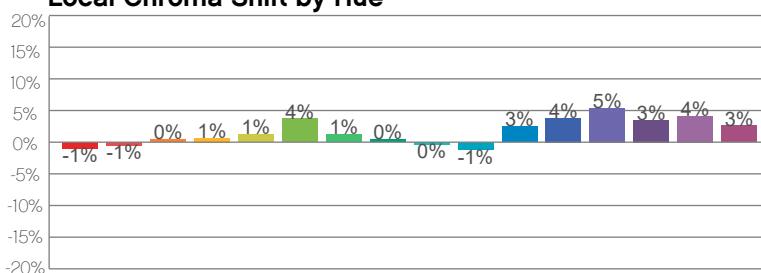
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	96	-1%	2%
3	92	0%	4%
4	94	1%	3%
5	93	1%	2%
6	95	4%	1%
7	97	1%	0%
8	96	0%	1%
9	95	0%	3%
10	92	-1%	4%
11	87	3%	8%
12	89	4%	5%
13	94	5%	1%
14	94	3%	1%
15	92	4%	-4%
16	91	3%	-5%



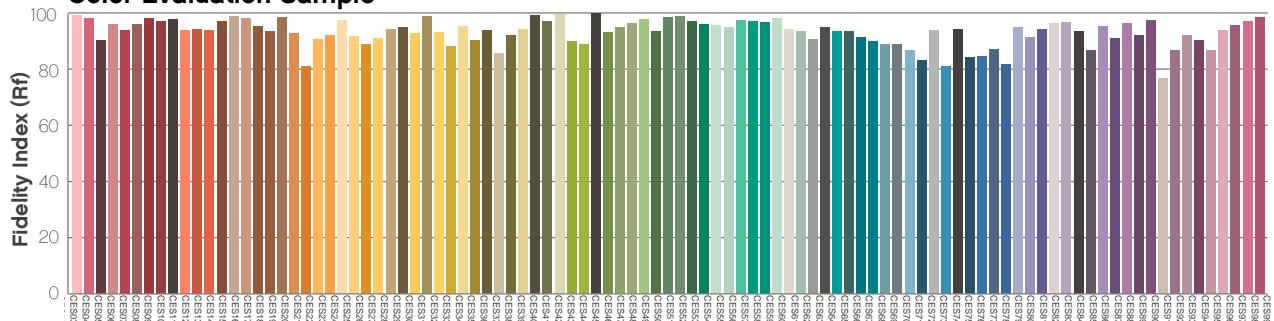
**Rf by Hue**



**Local Chroma Shift by Hue**



**Color Evaluation Sample**



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Cool White

## Report Summary

### Measurements

Fixture Output: 900 lm  
Fixture Peak: 14420 cd  
Fixture Efficacy: 19 lm/W  
Intensity @ 5m: 576 lux  
Color Temperature: 6494 K  
CRI: 92.7 CRI R9 Value: 77.8  
CQS: 90.7  
TLCI: 96  
TM-30 Rf: 90.8  
TM-30 Rg: 101.2  
Beam Angle (50%): 14.2°  
Field Angle (10%): 23.2°  
Cutoff Angle (3%): 27.8°

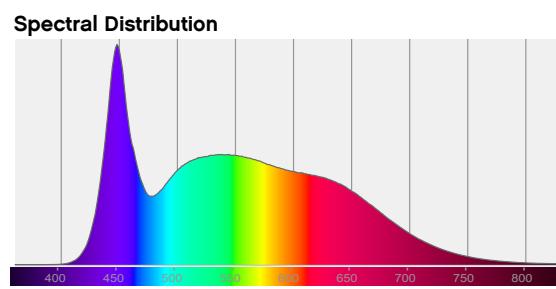
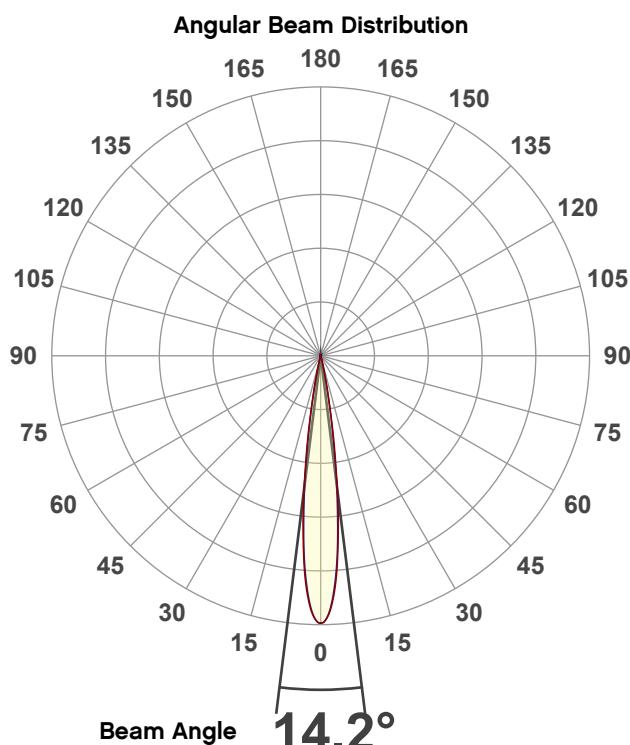


### Conditions

AC Supply: 120 V, 60 Hz  
Power: 50.14 W  
Current: 0.418 A  
Power Factor: 0.96

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/21/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.314  
Y: 0.324

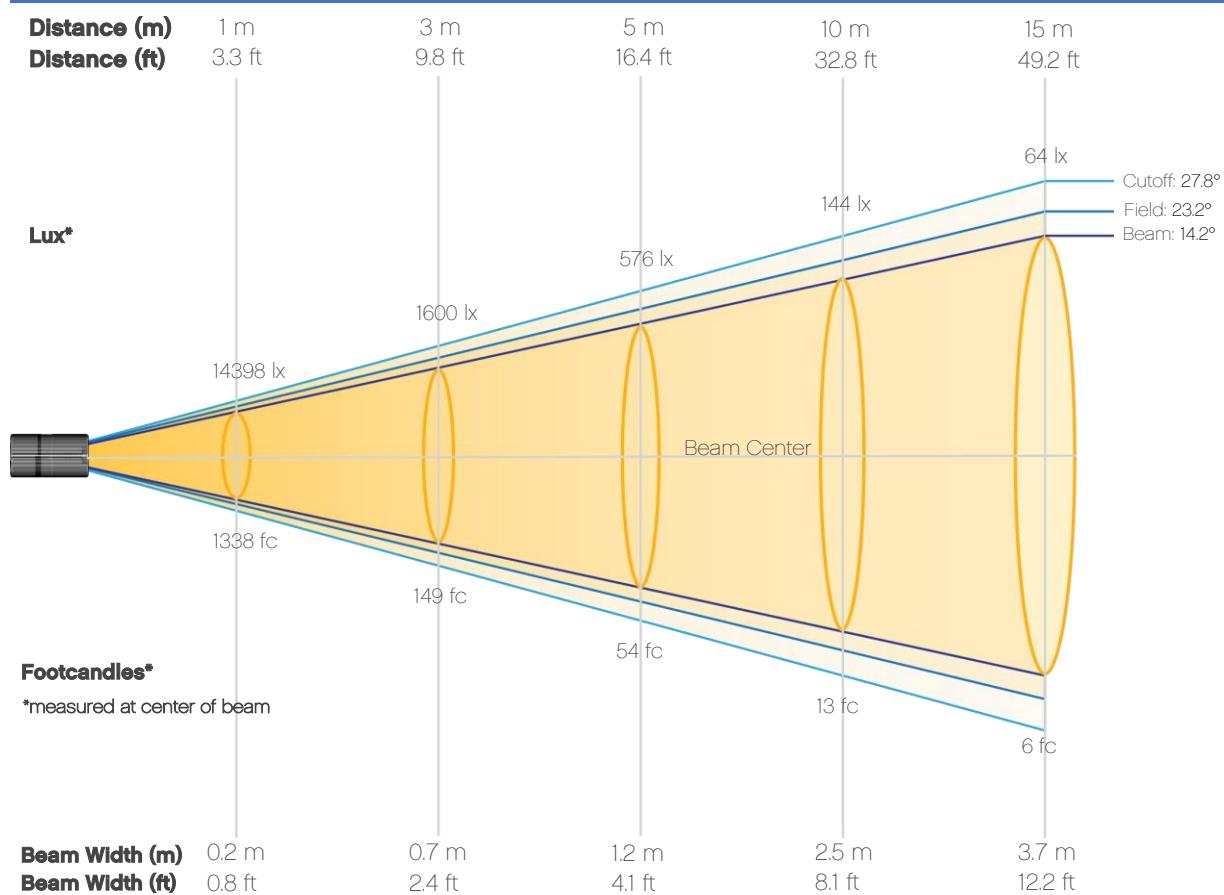
**Light Quality**  
CRI: 92.7

**Color Temperature**  
6494 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Cool White

## Beam Details



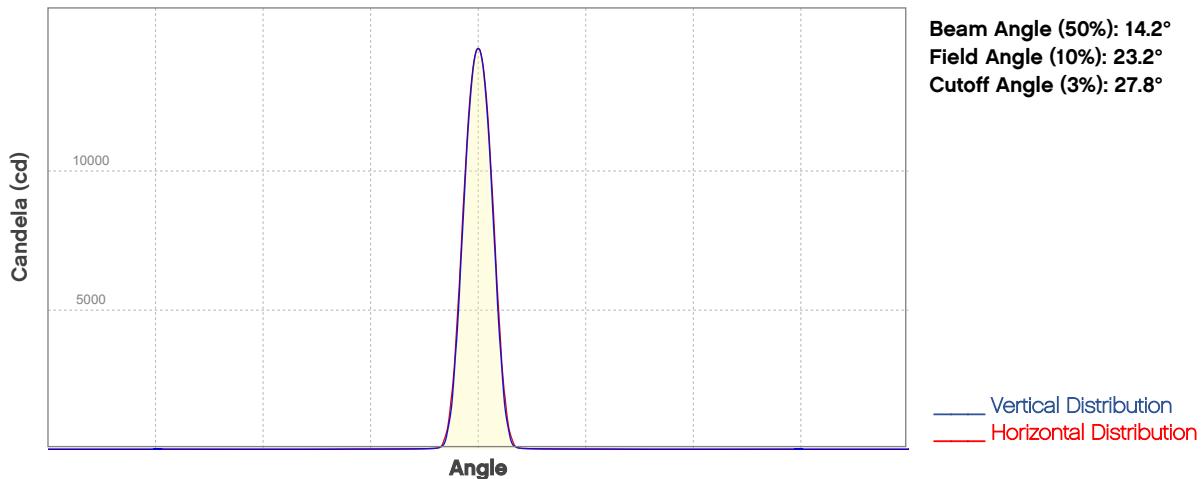
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	14398	3600	1600	900	576	400	294	225	178	144
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	119	100	85	73	64	56	50	44	40	36
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1338	334	149	84	54	37	27	21	17	13
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	11	9	8	7	6	5	5	4	4	3

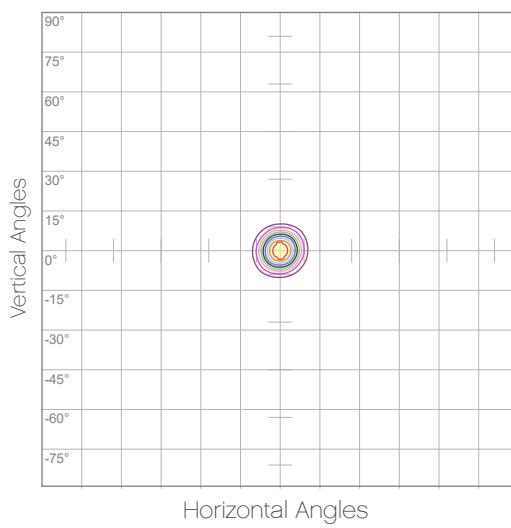
# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Cool White

Candela Plot



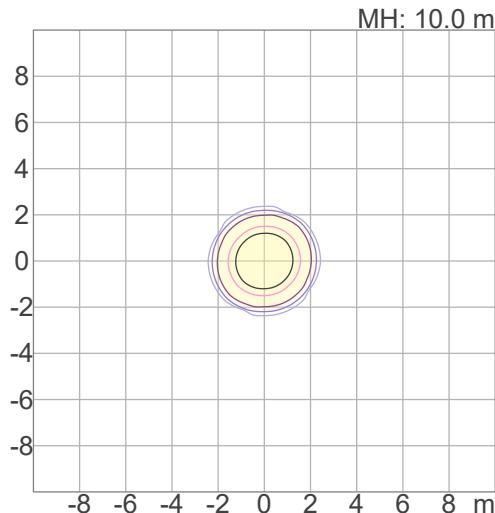
## ISO Diagrams



ISO Candela Diagram

10%	1440 cd
20%	2880 cd
30%	4319 cd
40%	5759 cd
50%	7199 cd
60%	8639 cd
70%	10079 cd
80%	11519 cd
90%	12958 cd

Conditions:  
Number of c-planes: 8  
Candela at center: 14398 cd



ISO Lux Diagram

3%	4.32 lx
5%	7.20 lx
10%	14.4 lx
30%	43.2 lx
50%	72.0 lx

Conditions:  
Number of c-planes: 8  
Candela at center: 144 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

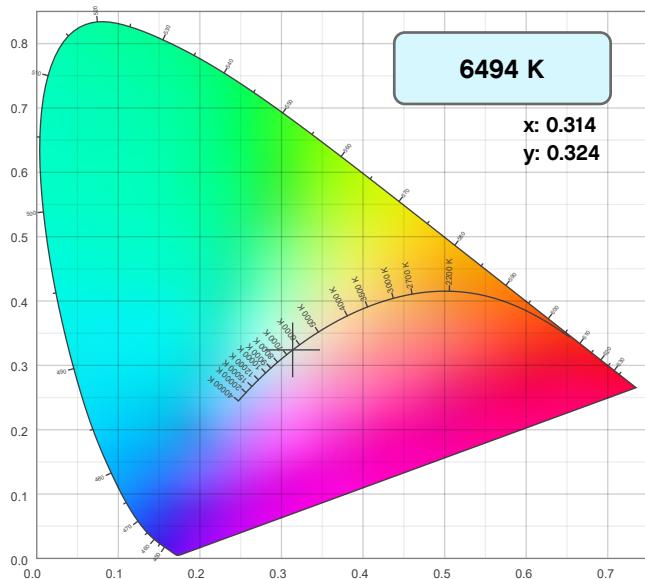
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

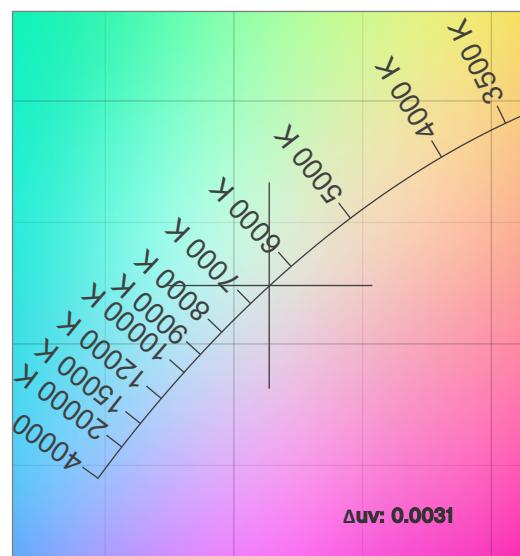
COLORado 2 Solo VW: 50% Zoom, Cool White

## Chromaticity

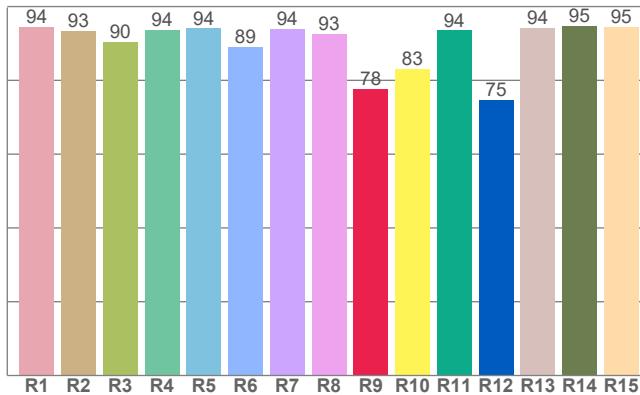
CIE 1931



CIE 1931 - Zoom



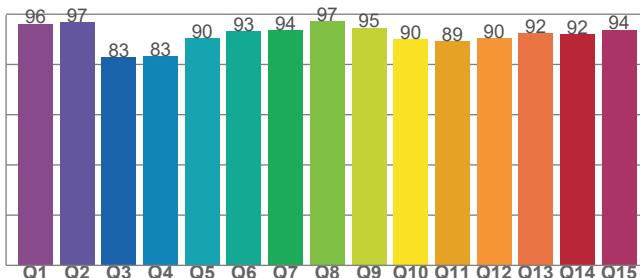
CRI: 92.7 (R1-R8)



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6494 K	0.314	0.324

CQS: 90.7



Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
0.0031	0.324	0.200

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.7	77.8	90.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
96	90.8	101.2

# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Cool White

## TM-30 Details

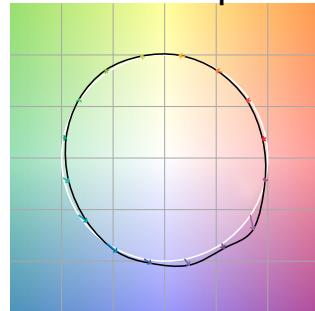
**Rf 90.8**

Fidelity Index  
(Rg)

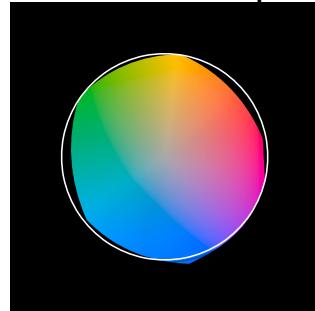
**Rg 101.2**

Gammut Index  
(Rg)

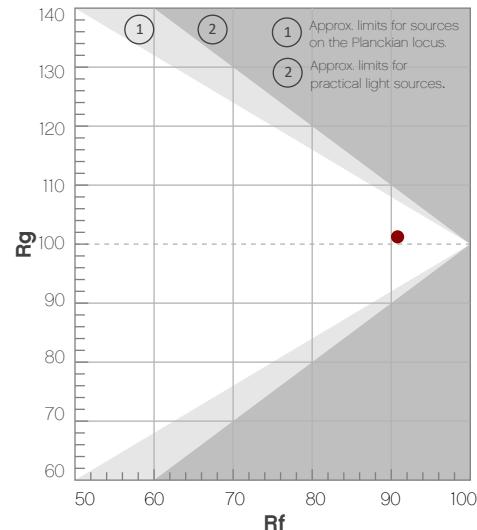
Color Vector Graphic



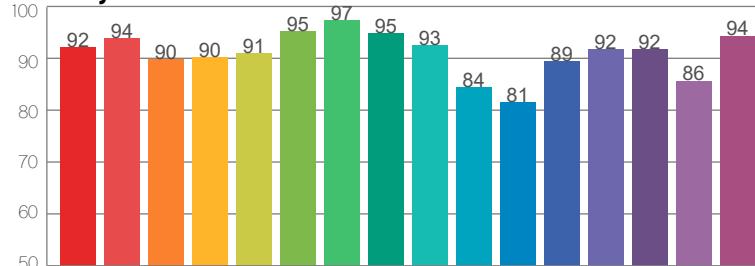
Color Distortion Graphic



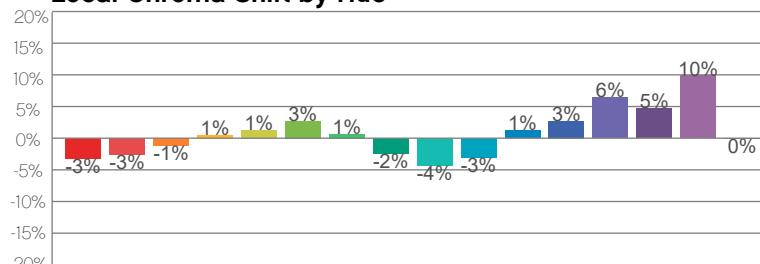
Hue Bin	<i>R<sub>f</sub></i>	Graphic shifts (%)	
		Chroma	Hue
1	92	-3%	-1%
2	94	-3%	2%
3	90	-1%	5%
4	90	1%	5%
5	91	1%	3%
6	95	3%	0%
7	97	1%	-1%
8	95	-2%	0%
9	93	-4%	4%
10	84	-3%	9%
11	81	1%	12%
12	89	3%	7%
13	92	6%	3%
14	92	5%	-1%
15	86	10%	-10%
16	94	0%	-3%



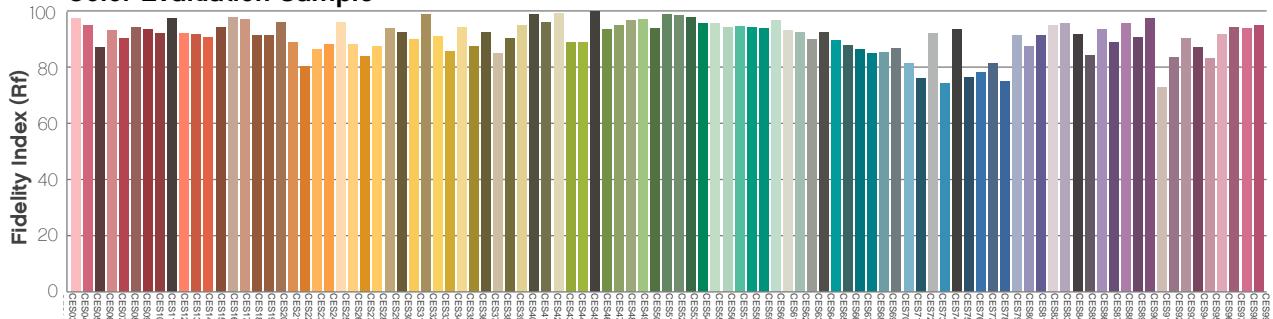
**Rf by Hue**



**Local Chroma Shift by Hue**



**Color Evaluation Sample**



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Warm White

## Report Summary

### Measurements

Fixture Output: 709 lm  
Fixture Peak: 11235 cd  
Fixture Efficacy: 10 lm/W  
Intensity @ 5m: 449 lux  
Color Temperature: 2752 K  
CRI: 96.8 CRI R9 Value: 79.0  
CQS: 94.5  
TLCI: 97  
TM-30 Rf: 95.7  
TM-30 Rg: 100.2  
Beam Angle (50%): 14.2°  
Field Angle (10%): 23.4°  
Cutoff Angle (3%): 27.9°

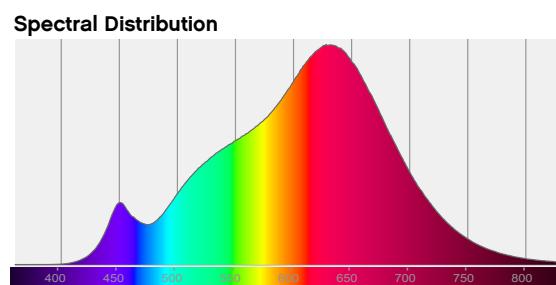
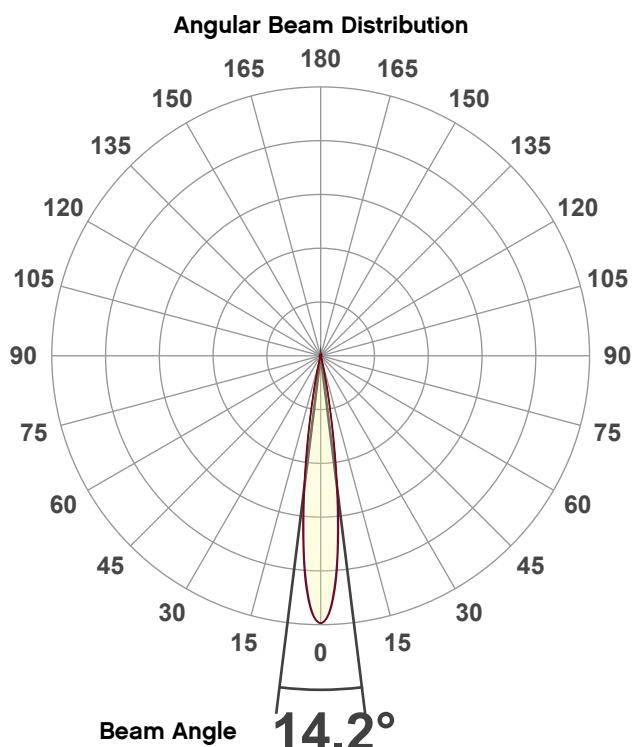


### Conditions

AC Supply: 120 V, 60 Hz  
Power: 73.1 W  
Current: 0.611 A  
Power Factor: 0.98

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 2/21/2022 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):  
X: 0.458  
Y: 0.413

**Light Quality**

CRI: 96.8

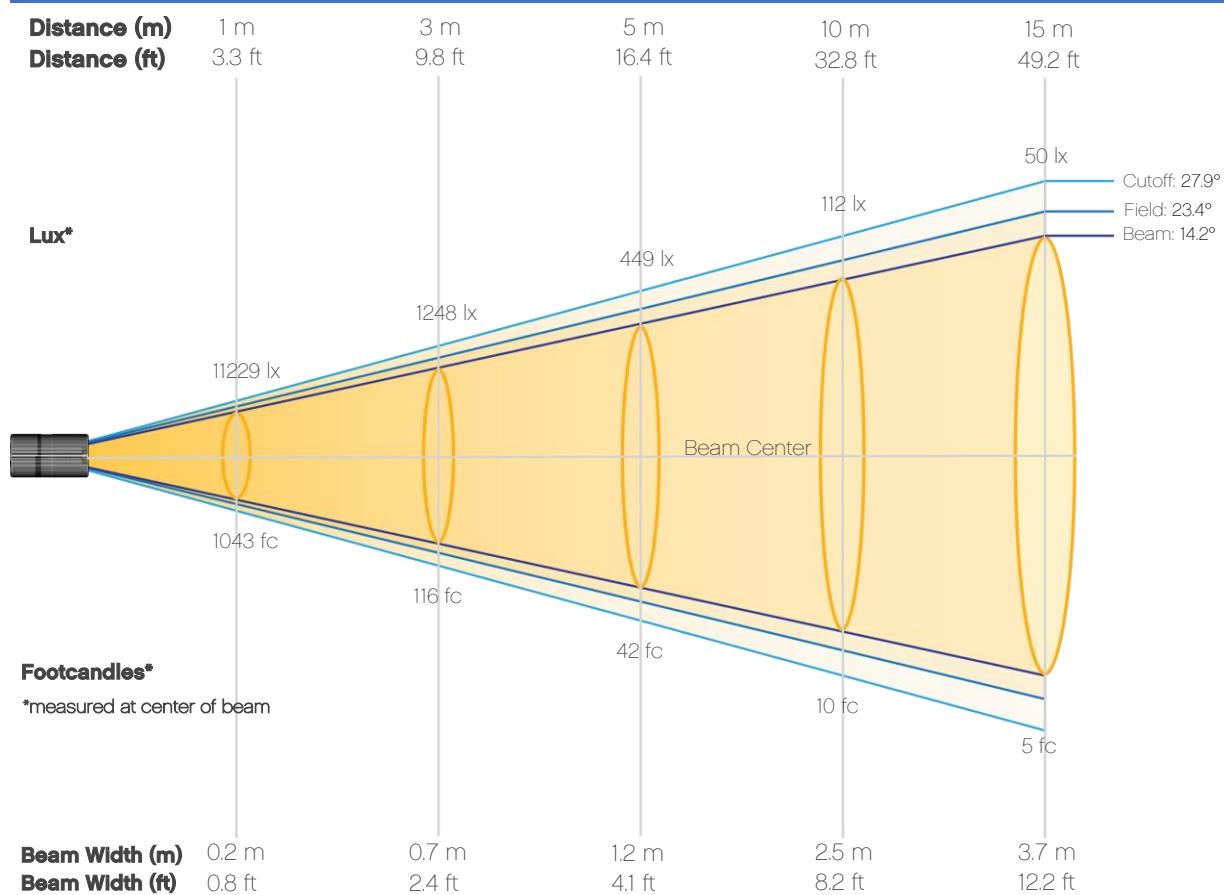
**Color Temperature**

2752 K

# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Warm White

## Beam Details



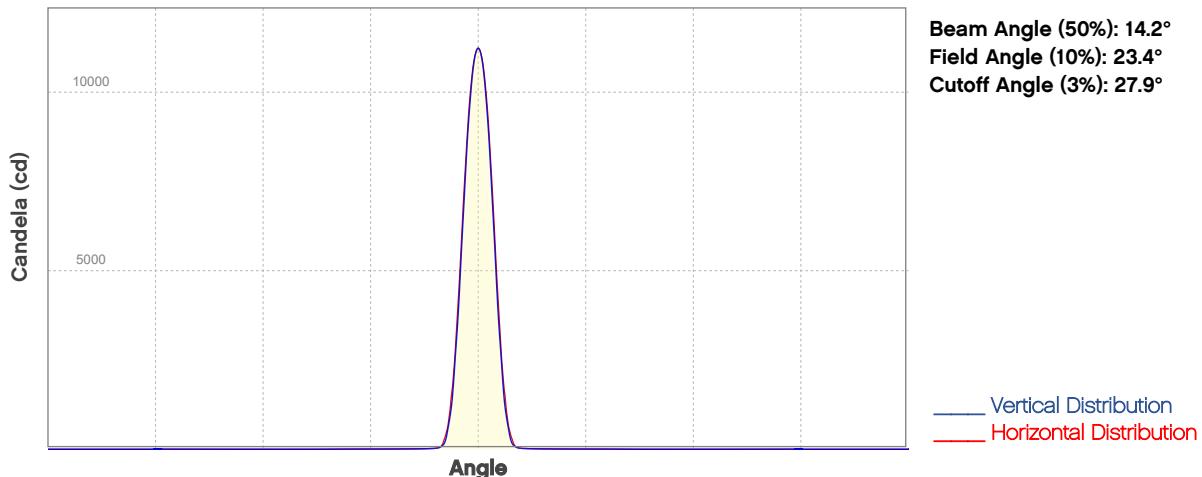
## Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11229	2807	1248	702	449	312	229	175	139	112
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	93	78	66	57	50	44	39	35	31	28
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1043	261	116	65	42	29	21	16	13	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	7	6	5	5	4	4	3	3	3

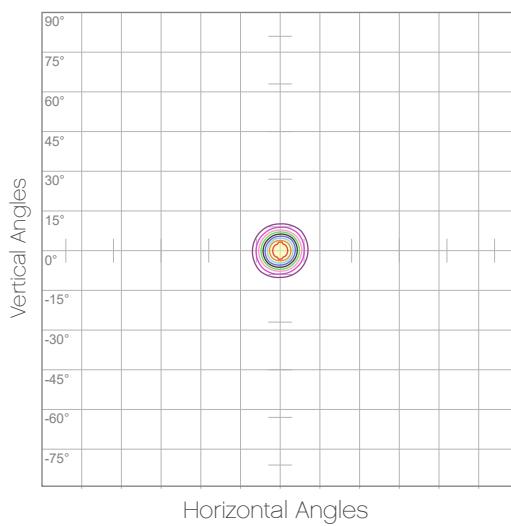
# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Warm White

Candela Plot



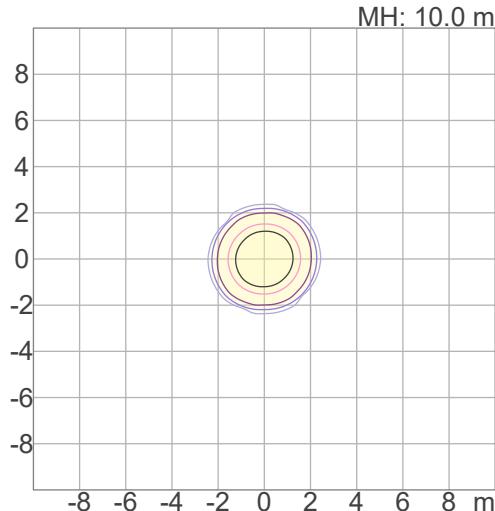
## ISO Diagrams



ISO Candela Diagram

10%	1123 cd
20%	2246 cd
30%	3369 cd
40%	4492 cd
50%	5615 cd
60%	6738 cd
70%	7861 cd
80%	8983 cd
90%	10106 cd

Conditions:  
Number of c-planes: 8  
Candela at center: 11229 cd



ISO Lux Diagram

3%	3.37 lx
5%	5.61 lx
10%	11.2 lx
30%	33.7 lx
50%	56.1 lx

Conditions:  
Number of c-planes: 8  
Candela at center: 112 lx

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

Mounting height: 10 meters / 33 feet

Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

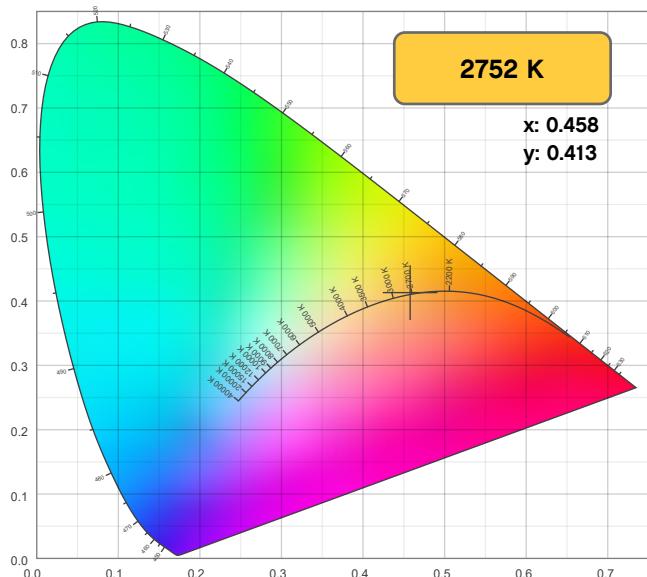
All product specifications, measurements and dimensions are subject to change without notice

# Photometric & Chromaticity Report

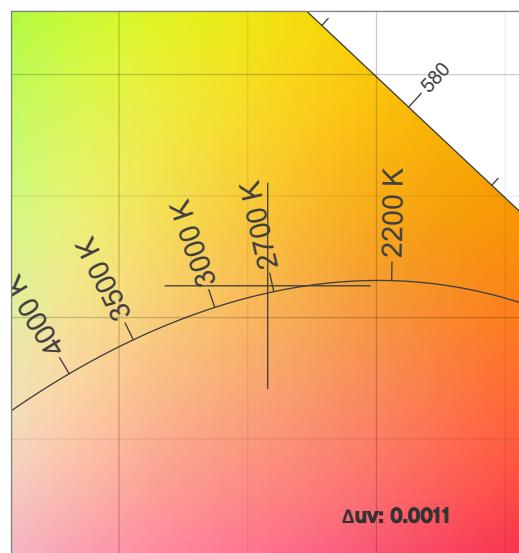
COLORado 2 Solo VW: 50% Zoom, Warm White

## Chromaticity

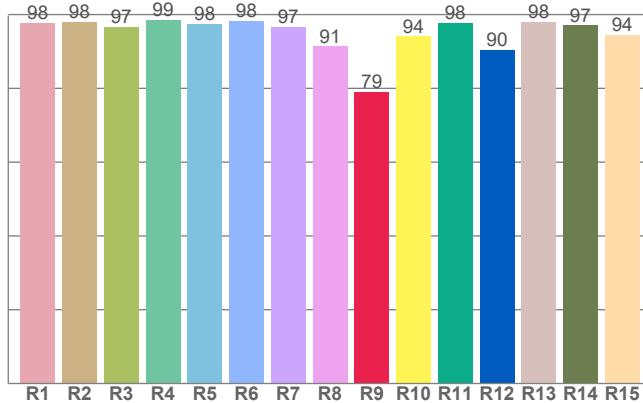
CIE 1931



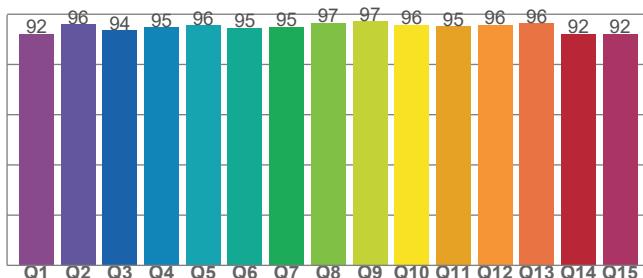
CIE 1931 - Zoom



CRI: 96.8 (R1-R8)



CQS: 94.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2752 K	0.458	0.413

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0011	0.413	0.260

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.8	79.0	94.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
97	95.7	100.2

# Photometric & Chromaticity Report

COLORado 2 Solo VW: 50% Zoom, Warm White

## TM-30 Details

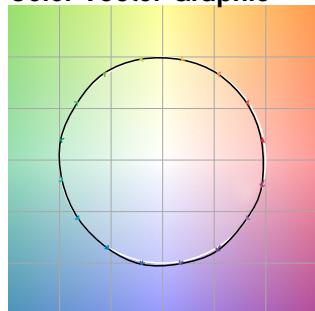
**Rf 95.7**

Fidelity Index  
(Rg)

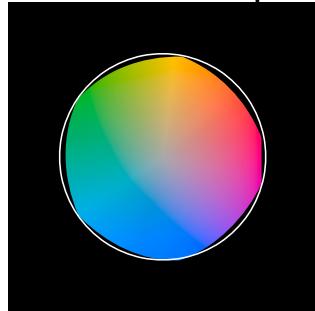
**Rg 100.2**

Gammut Index  
(Rg)

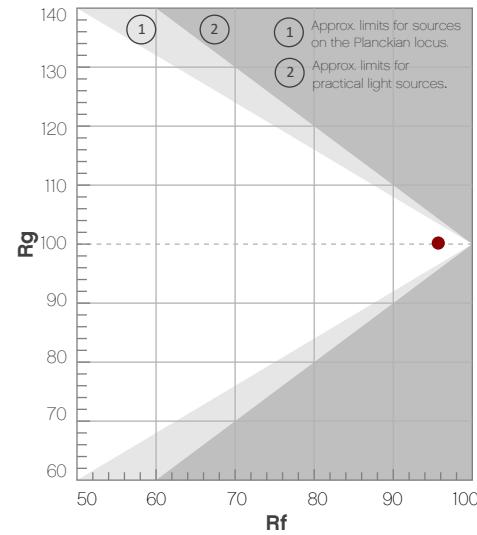
Color Vector Graphic



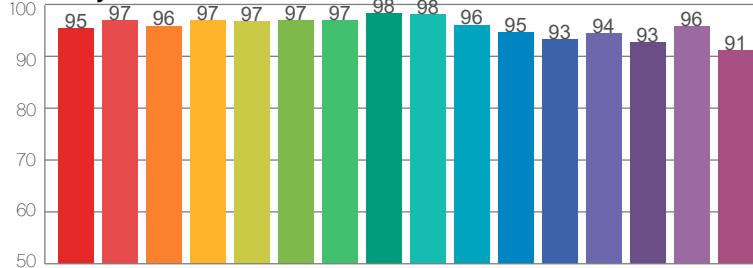
Color Distortion Graphic



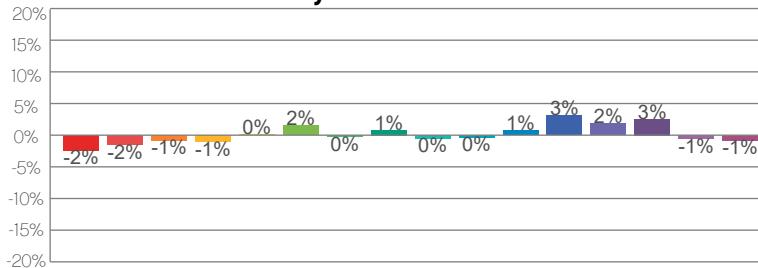
Hue Bin	<i>R<sub>f</sub></i>	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-2%	1%
3	96	-1%	2%
4	97	-1%	1%
5	97	0%	2%
6	97	2%	1%
7	97	0%	-1%
8	98	1%	0%
9	98	0%	0%
10	96	0%	2%
11	95	1%	4%
12	93	3%	0%
13	94	2%	-4%
14	93	3%	-5%
15	96	-1%	-2%
16	91	-1%	-7%



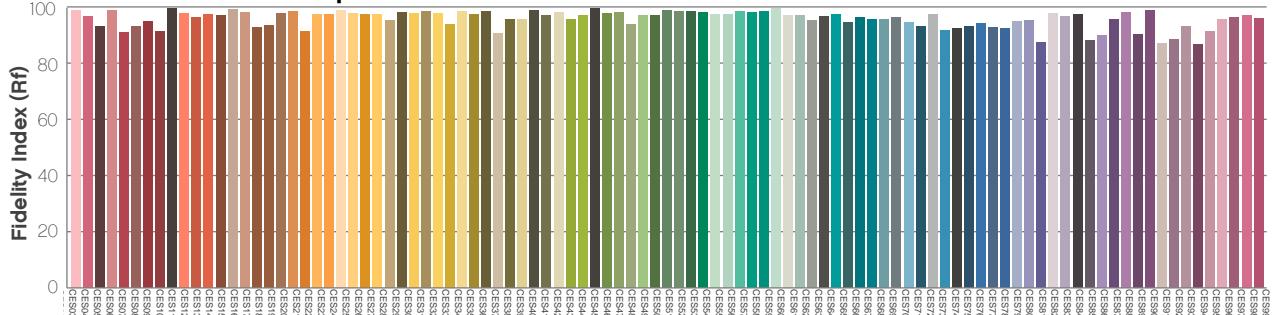
***R<sub>f</sub>* by Hue**



**Local Chroma Shift by Hue**



**Color Evaluation Sample**



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

© 2022 Chauvet & Sons, LLC. All rights reserved

All product specifications, measurements and dimensions are subject to change without notice

## Contact Us

General Information	Technical Support
<b>Chauvet World Headquarters</b>	
5200 NW 108 <sup>th</sup> Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: <a href="mailto:chauvetcs@chauvetlighting.com">chauvetcs@chauvetlighting.com</a> Website: <a href="http://www.chauvetprofessional.com">www.chauvetprofessional.com</a>
<b>Chauvet Europe Ltd</b>	
Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: <a href="mailto:UKtech@chauvetlighting.eu">UKtech@chauvetlighting.eu</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Europe BVBA</b>	
Stokstraat 18 9770 Kruishoutem, Belgium Voice: +32 (9) 388 93 97	Email: <a href="mailto:BNLtech@chauvetlighting.eu">BNLtech@chauvetlighting.eu</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet France</b>	
3, Rue Ampère 91380 Chilly-Mazarin, France Voice: +33 1 78 85 33 59	Email: <a href="mailto:FRtech@chauvetlighting.fr">FRtech@chauvetlighting.fr</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Germany</b>	
Bruno-Bürgel-Str. 11 28759 Bremen, Germany Voice: +49 421 62 60 20	Email: <a href="mailto:DEtech@chauvetlighting.de">DEtech@chauvetlighting.de</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Mexico</b>	
Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: <a href="mailto:servicio@chauvetlighting.de">servicio@chauvetlighting.de</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of the record.