

# ***onAir IP***

## **PANEL 3**

### **PHOTOMETRICS REPORT**



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## Testing Process

### Total Illuminance Measurements

Illuminance is measured using the Viso Systems LabSpion<sup>®</sup>, 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<sup>®</sup> 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<sup>®</sup> system every six months as recommended by Viso Systems.

# ***onAir IP***

**PANEL 3**

# **Photometrics & Chromaticity Reports**

# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Full Power

## Report Summary

### Measurements

Fixture Output: 6744 lm  
Fixture Peak: 2901 cd  
Fixture Efficacy: 41 lm/W  
Intensity @ 5m: 116 lux  
Color Temperature: 5437 K  
CRI: 68.6      CRI R9 Value: -30.2  
CQS: 86.8  
TLCI: 70  
TM-30 Rf: 82.4  
TM-30 Rg: 115.7  
Beam Angle (50%): 92.5°  
Field Angle (10%): 152.2°  
Cutoff Angle (3%): 168.6°

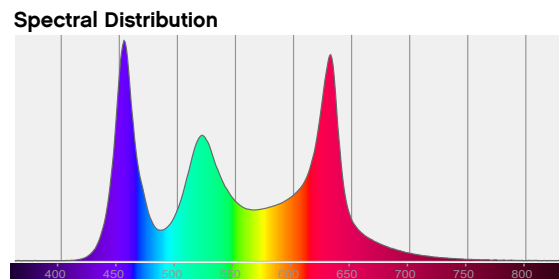
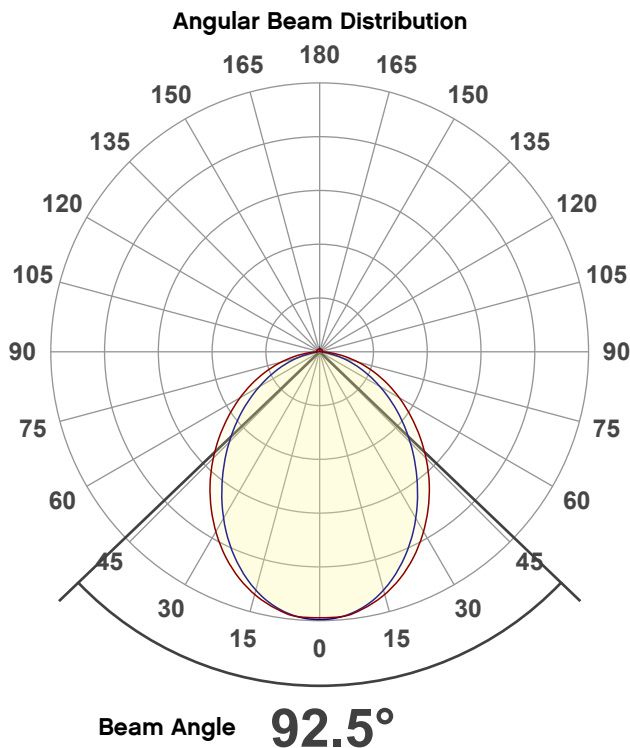
### Conditions

AC Supply: 117 V, 60 Hz  
Power: 165.73 W  
Current: 1.41 A  
Power Factor: 1.0



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 6/9/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.334

Y: 0.315



**Light Quality**

CRI: 68.6

**Color Temperature**

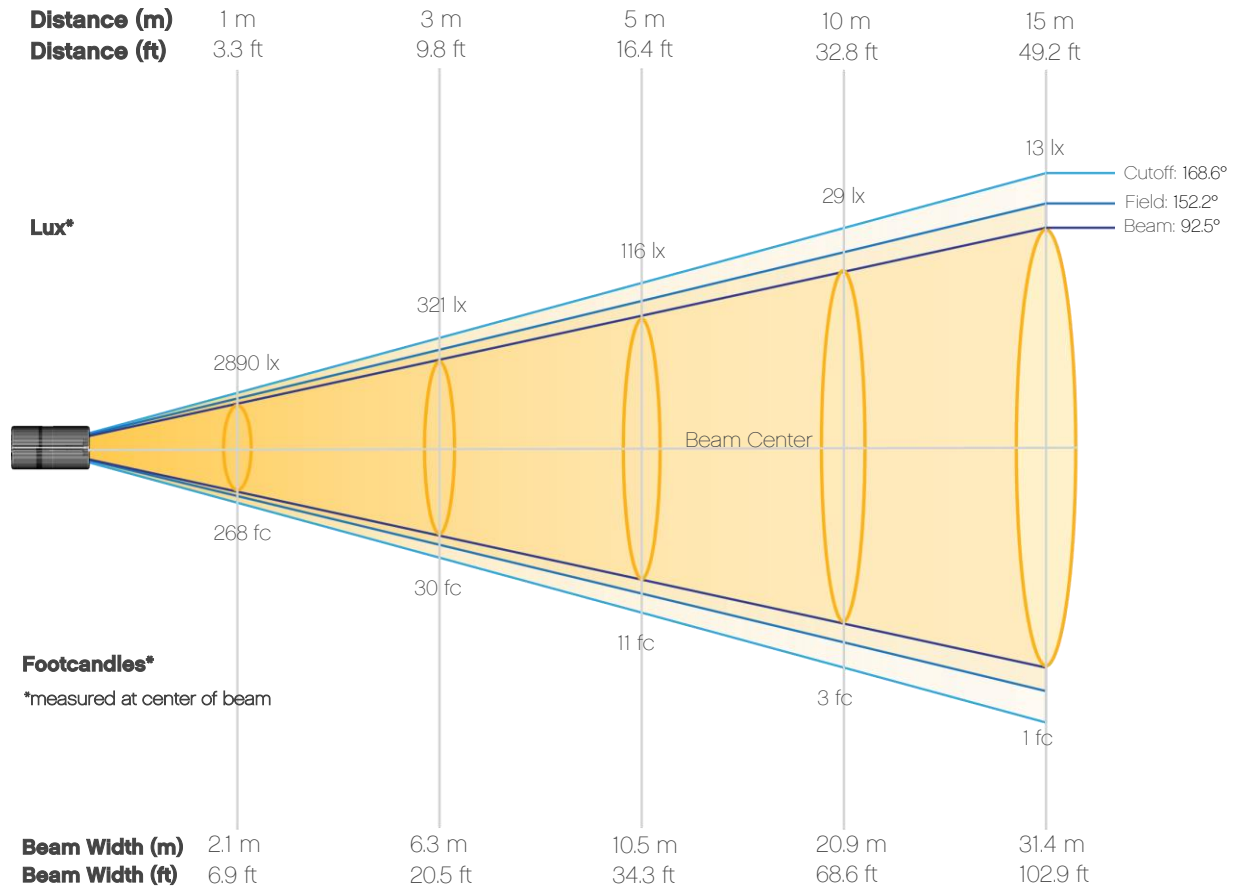
5437 K



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Full Power

## Beam Details

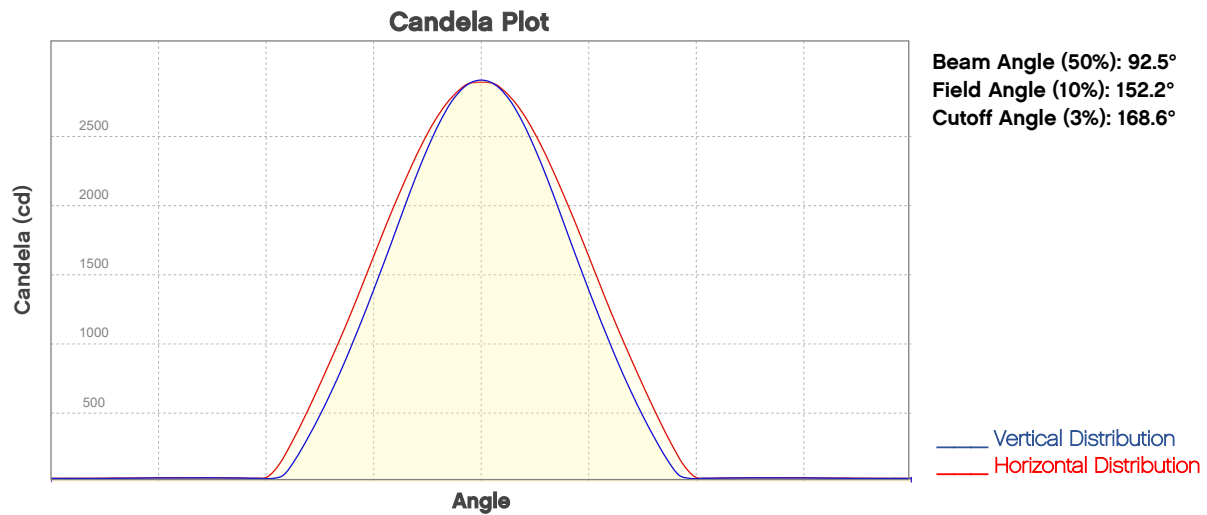


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	2890	723	321	181	116	80	59	45	36	29
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	24	20	17	15	13	11	10	9	8	7
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	268	67	30	17	11	7	5	4	3	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	2	2	1	1	1	1	1	1	1

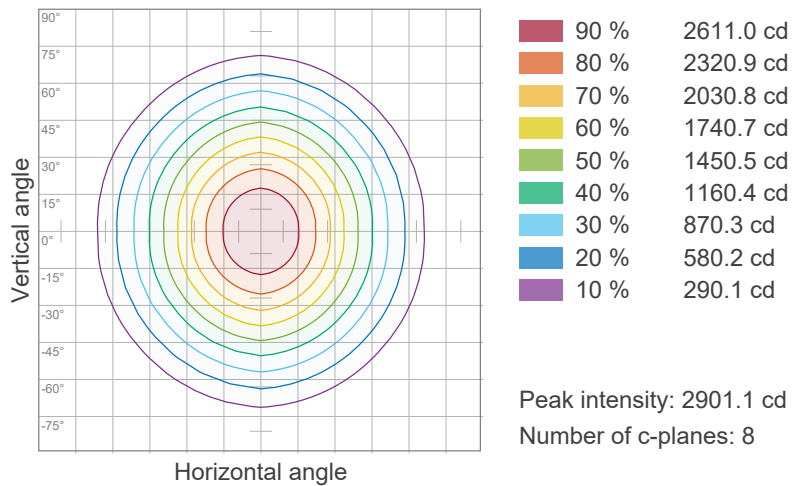
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Full Power

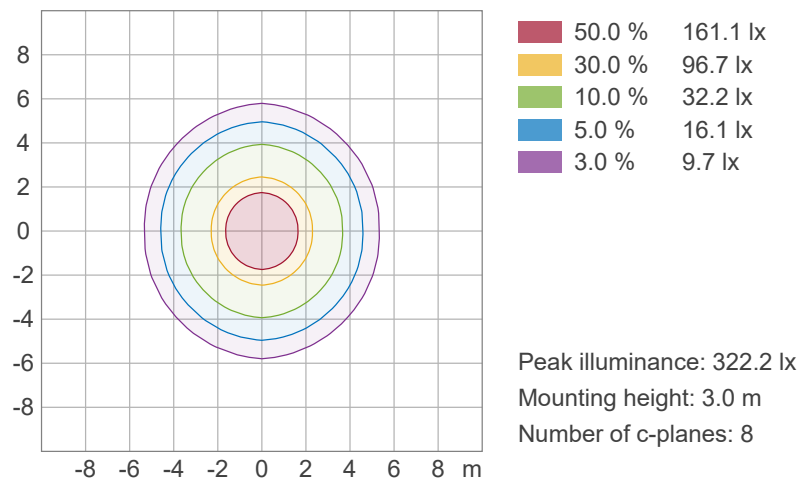


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

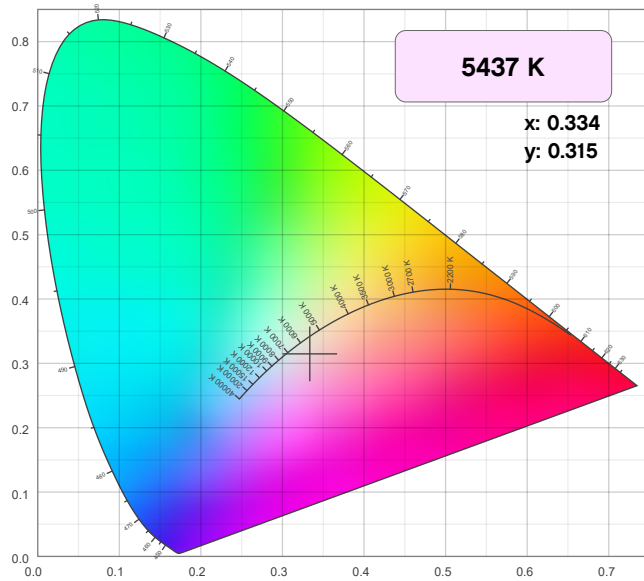


# Photometric & Chromaticity Report

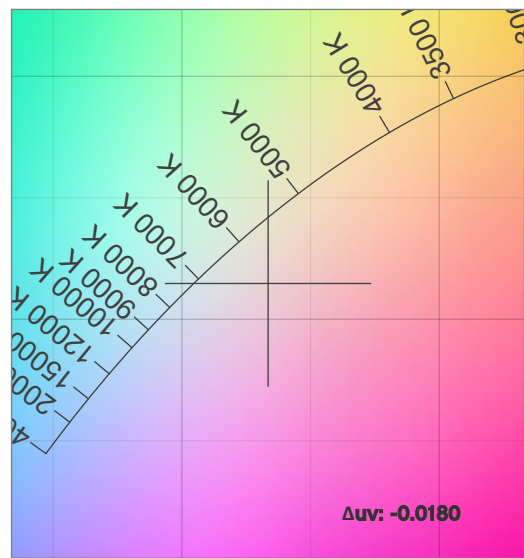
onAir Panel 3 IP: Medium Filter - Full Power

## Chromaticity

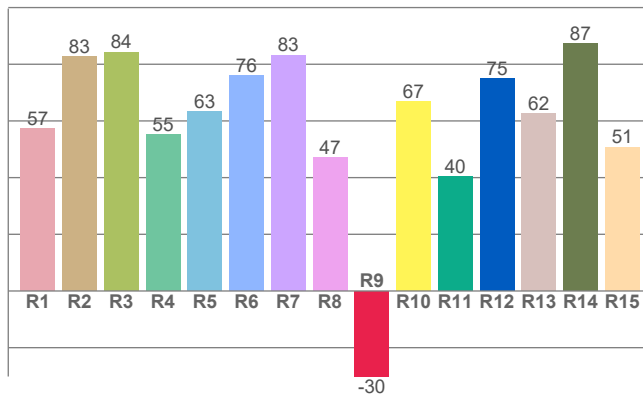
CIE 1931



CIE 1931 - Zoom



CRI: 68.6 (R1-R8)

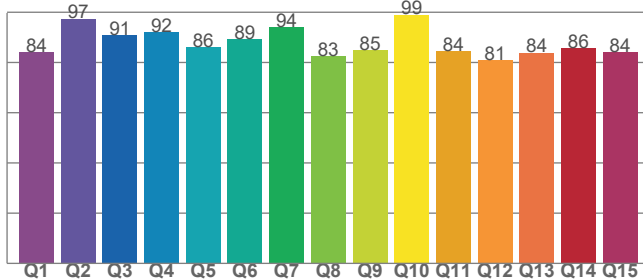


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5437 K	0.334	0.315

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
-0.0180	0.315	0.218

CQS: 86.8



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.6	-30.2	86.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
70	82.4	115.7

# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Full Power

## TM-30 Details

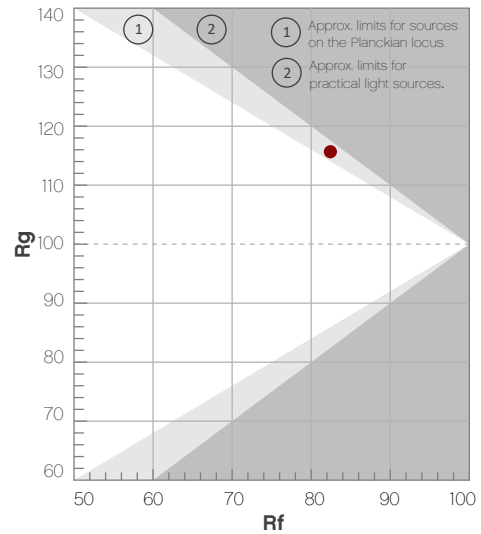
**Rf 82.4**

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

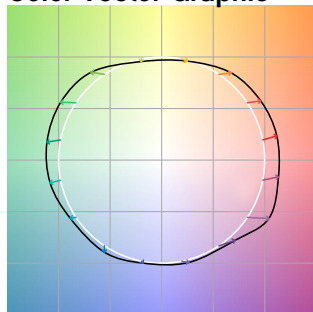
**Rg 115.7**

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

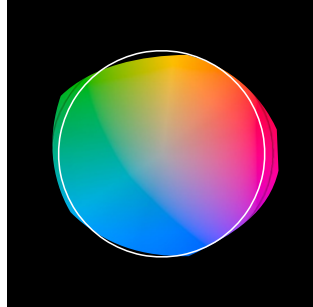
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	72	14%	1%
2	78	12%	-6%
3	78	8%	-9%
4	89	-1%	-6%
5	90	-2%	1%
6	82	9%	9%
7	77	13%	8%
8	77	13%	5%
9	87	10%	1%
10	90	5%	-2%
11	89	5%	3%
12	93	2%	2%
13	90	2%	6%
14	74	4%	16%
15	74	18%	11%
16	74	14%	6%



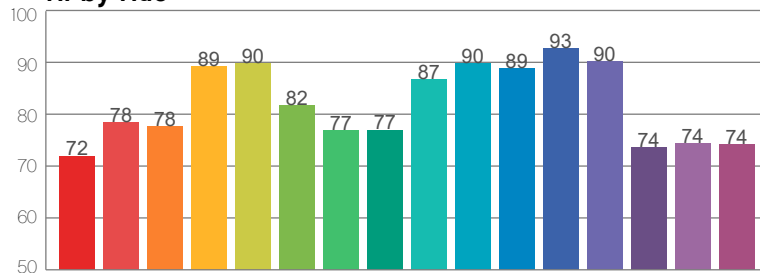
Color Vector Graphic



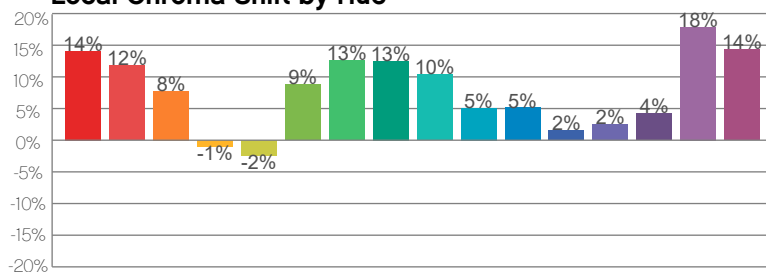
Color Distortion Graphic



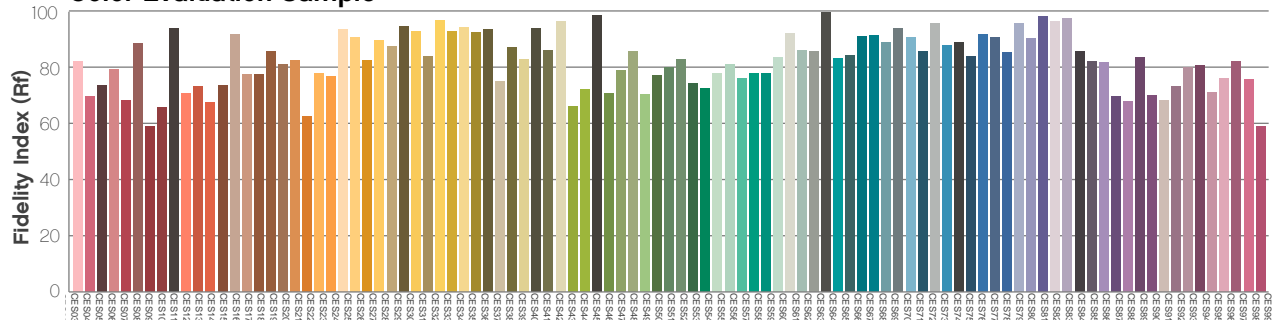
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 3200K

## Report Summary

### Measurements

Fixture Output: 5704 lm  
Fixture Peak: 2463 cd  
Fixture Efficacy: 50 lm/W  
Intensity @ 5m: 98 lux  
Color Temperature: 3218 K  
CRI: 94.8      CRI R9 Value: 93.4  
CQS: 93.9  
TLCI: 86  
TM-30 Rf: 92.9  
TM-30 Rg: 103.6  
Beam Angle (50%): 92°  
Field Angle (10%): 152.1°  
Cutoff Angle (3%): 168.4°

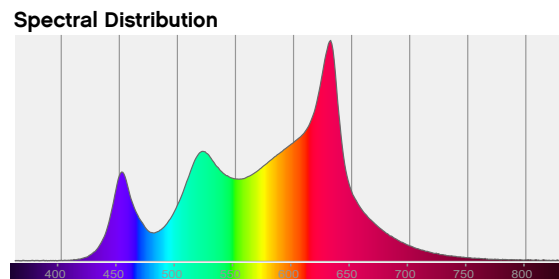
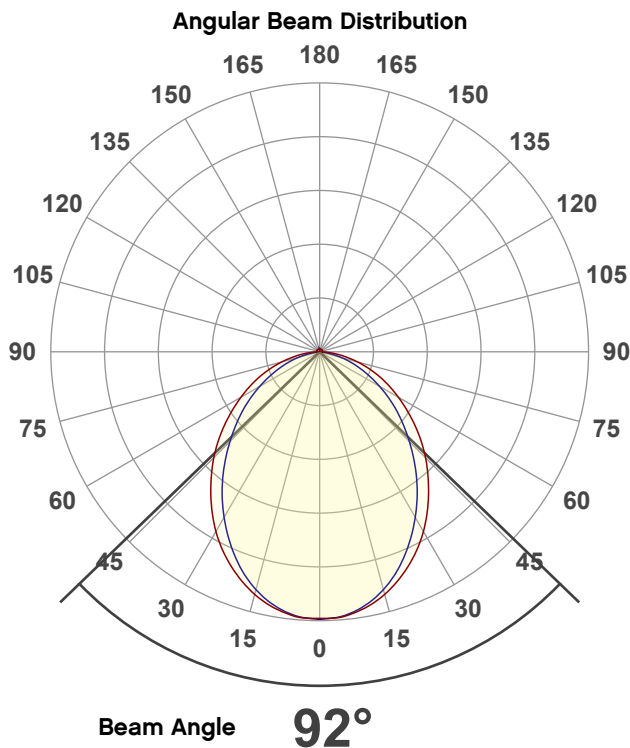
### Conditions

AC Supply: 119 V, 60 Hz  
Power: 115.9 W  
Current: 0.972 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 6/9/2023 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.423

Y: 0.400



Light Quality

CRI: 94.8

Color Temperature

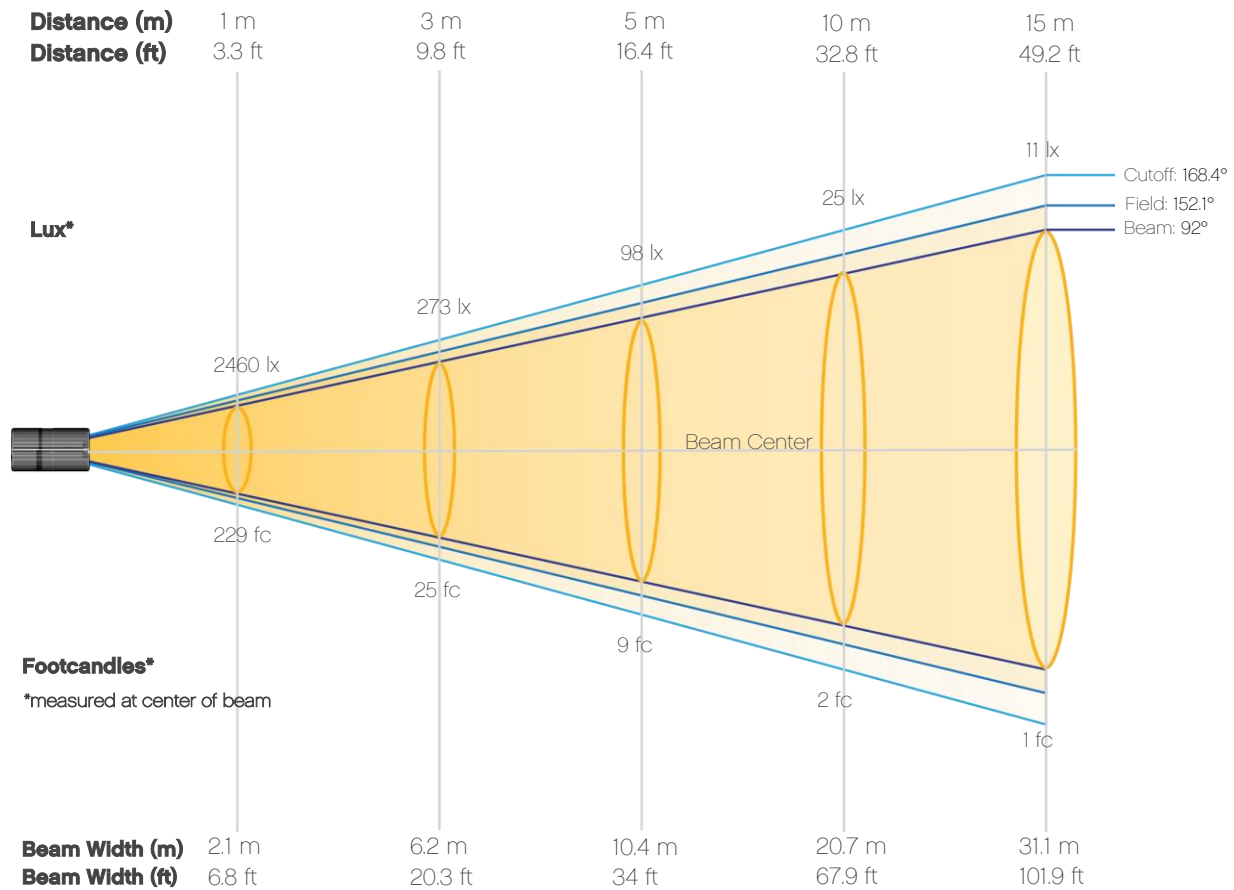
3218 K



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 3200K

## Beam Details

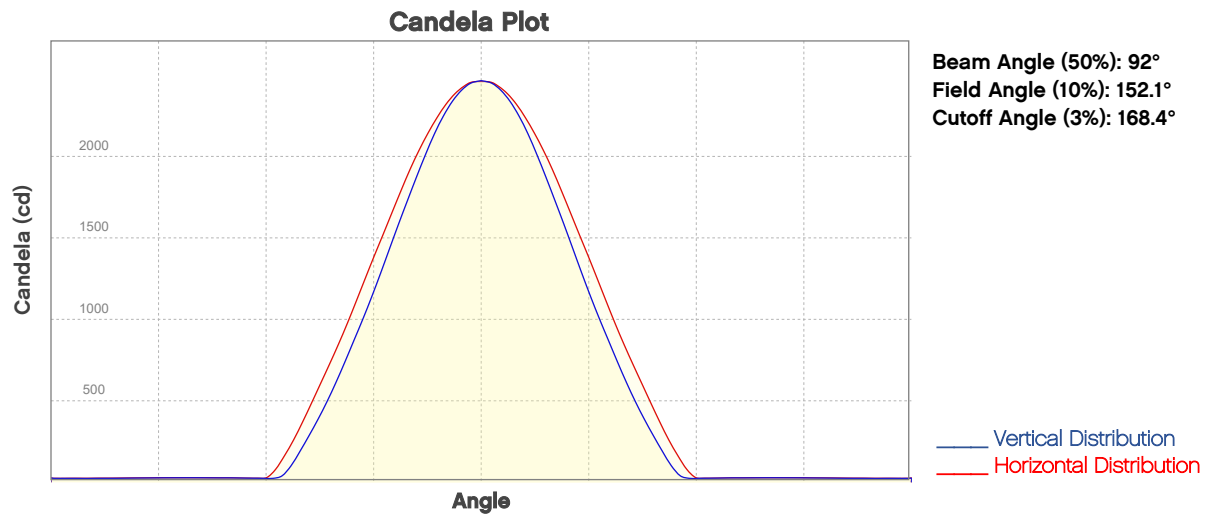


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	2460	615	273	154	98	68	50	38	30	25
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	20	17	15	13	11	10	9	8	7	6
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	229	57	25	14	9	6	5	4	3	2
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	2	1	1	1	1	1	1	1	1

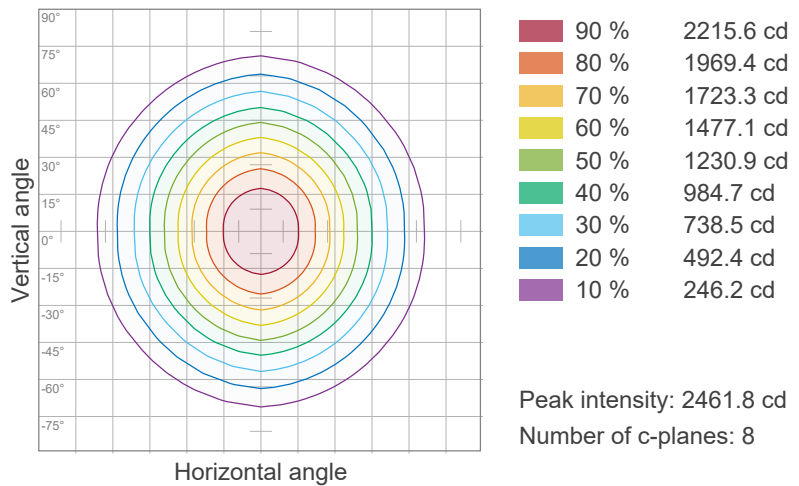
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 3200K

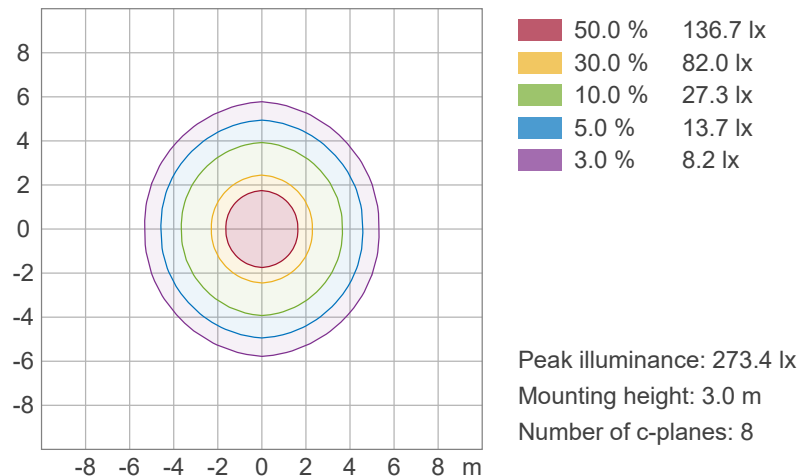


## ISO Diagrams

### ISO Candela Diagram



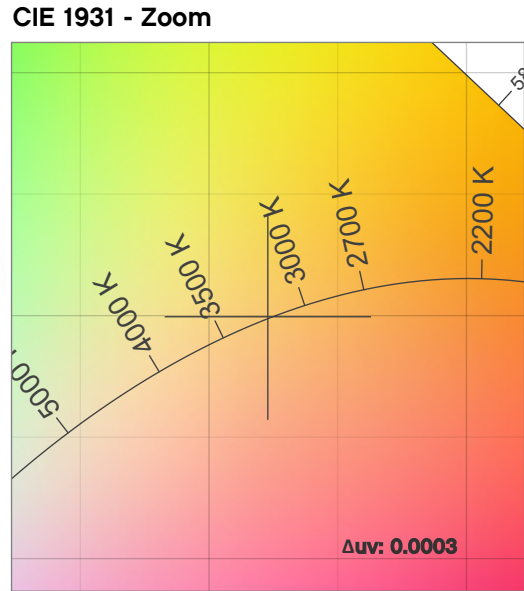
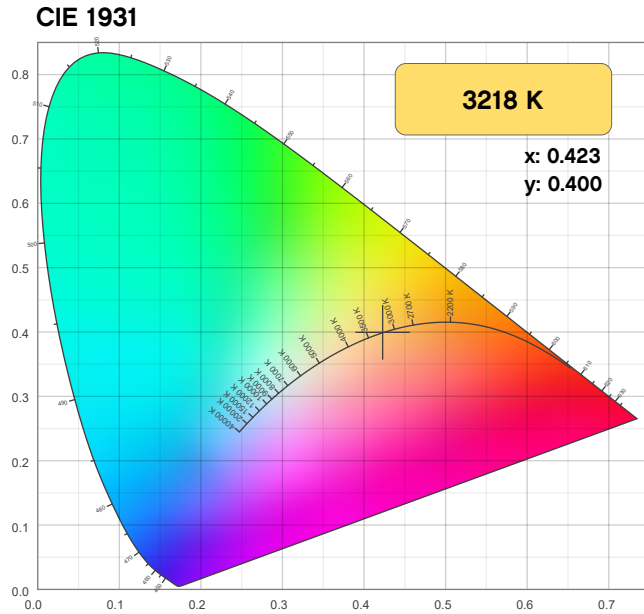
### ISO Lux Diagram



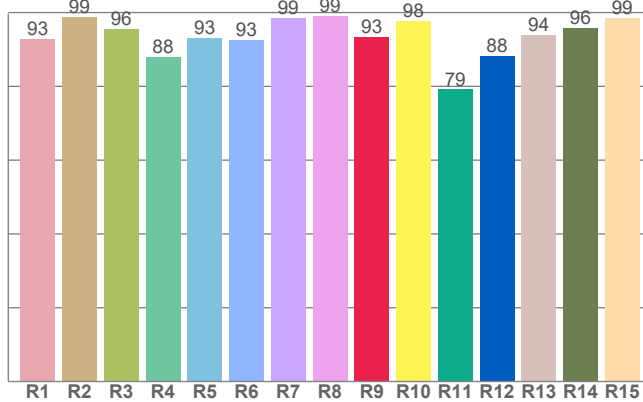
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 3200K

## Chromaticity



**CRI: 94.8 (R1-R8)**

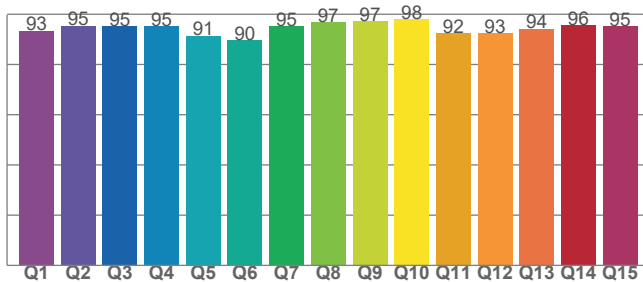


**Color Parameters**

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3218 K	0.423	0.400

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0003	0.400	0.243

**CQS: 93.9**



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.8	93.4	93.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
86	92.9	103.6



# Photometric & Chromaticity Report

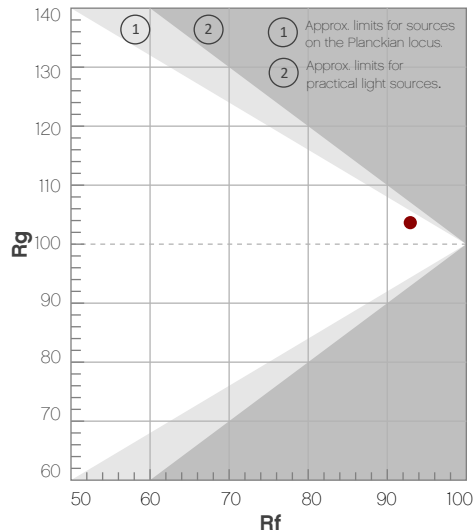
onAir Panel 3 IP: Medium Filter - 3200K

## TM-30 Details

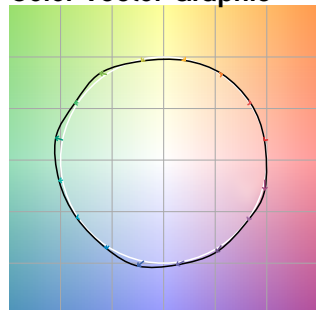
**Rf 92.9**  
Fidelity Index  
(Rg)

**Rg 103.6**  
Gammut Index  
(Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	0%
2	95	1%	-1%
3	93	1%	-1%
4	96	-1%	-2%
5	94	-2%	2%
6	91	4%	4%
7	92	2%	2%
8	89	7%	-1%
9	94	3%	0%
10	95	1%	0%
11	94	2%	2%
12	88	6%	-5%
13	90	2%	-7%
14	90	3%	-7%
15	91	1%	-3%
16	88	2%	-9%



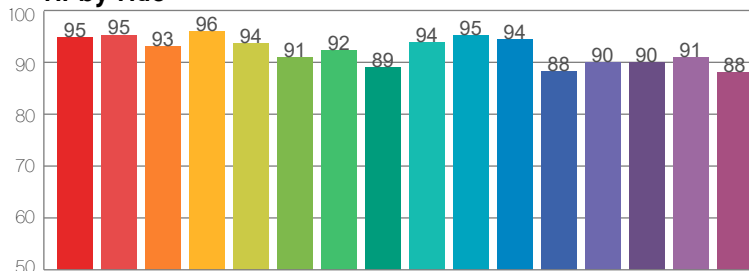
Color Vector Graphic



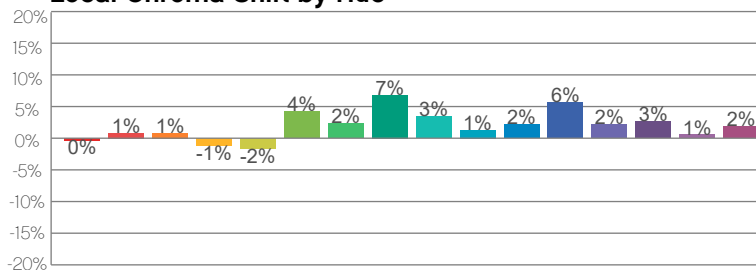
Color Distortion Graphic



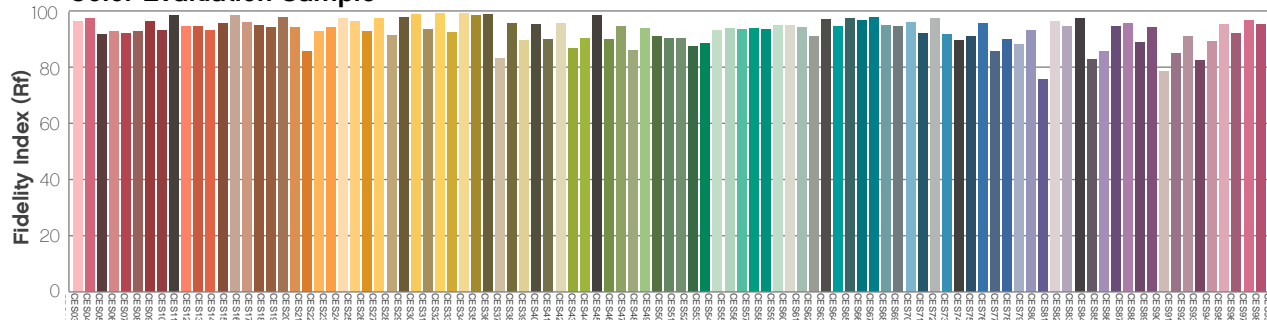
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 4000K

## Report Summary

### Measurements

Fixture Output: 5955 lm  
Fixture Peak: 2564 cd  
Fixture Efficacy: 48 lm/W  
Intensity @ 5m: 102 lux  
Color Temperature: 4007 K  
CRI: 95.1      CRI R9 Value: 97.3  
CQS: 95.4  
TLCI: 88  
TM-30 Rf: 92.2  
TM-30 Rg: 103.4  
Beam Angle (50%): 92.3°  
Field Angle (10%): 152.1°  
Cutoff Angle (3%): 168.5°

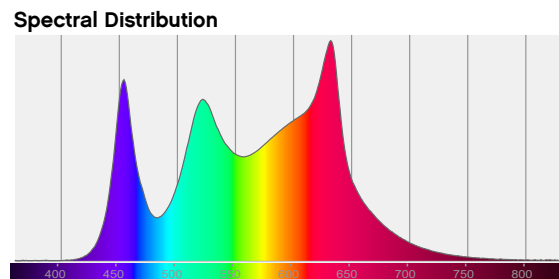
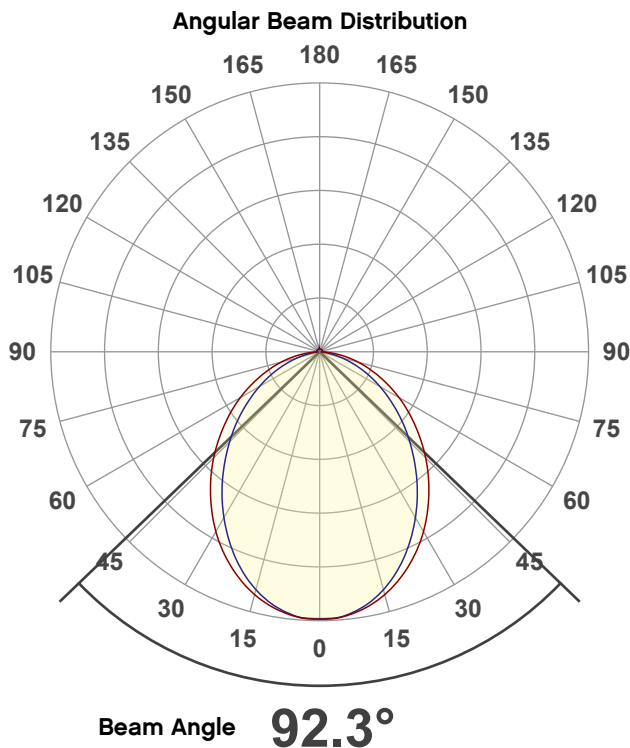
### Conditions

AC Supply: 120 V, 60 Hz  
Power: 124.37 W  
Current: 1.04 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 6/9/2023 to LM-63-2002 Standards.

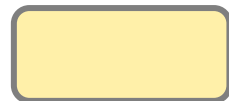
## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.380

Y: 0.377



**Light Quality**

CRI: 95.1

**Color Temperature**

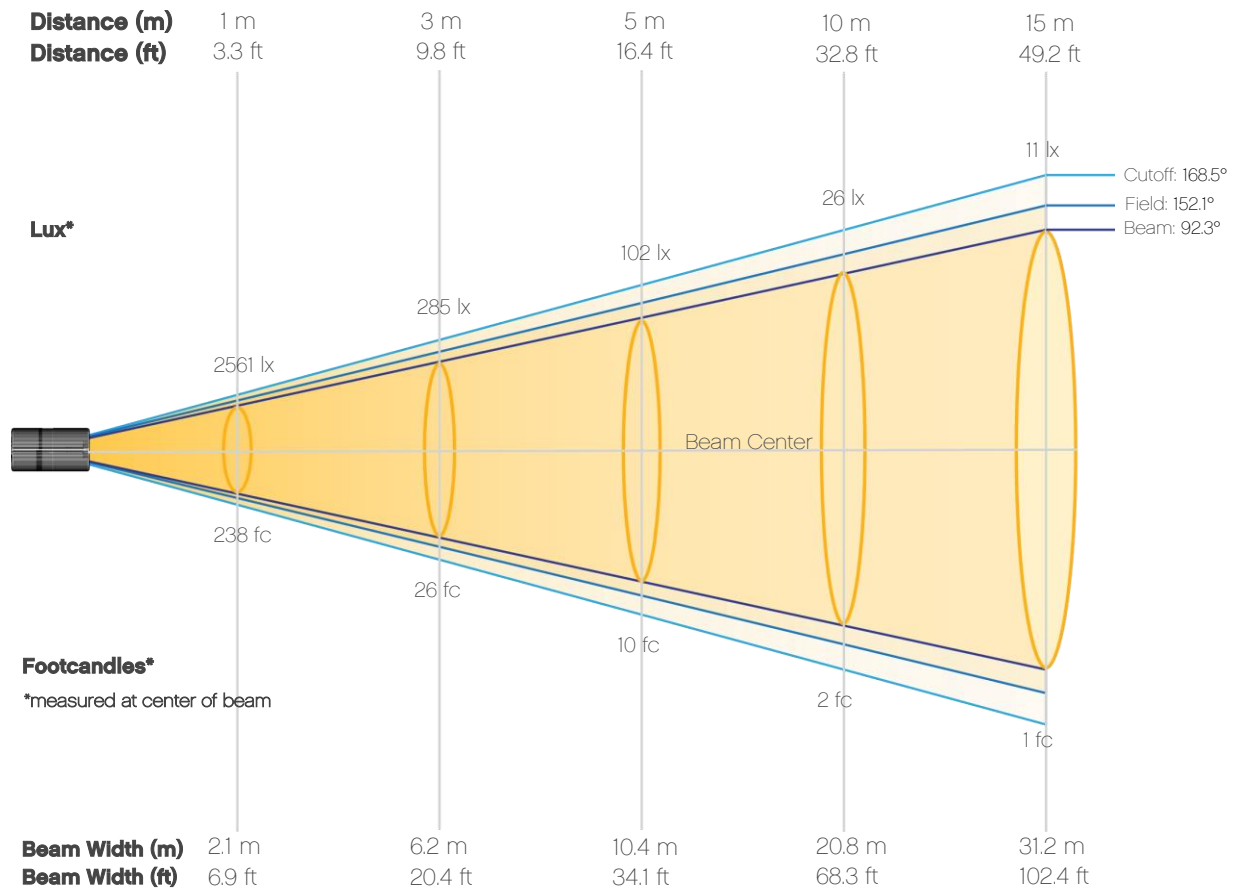
4007 K



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 4000K

## Beam Details

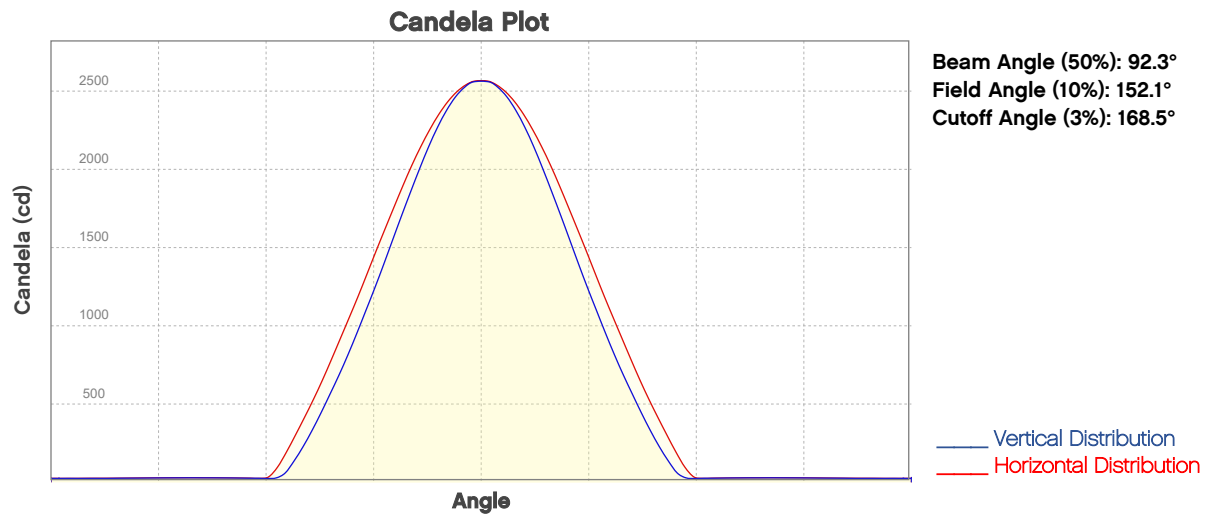


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	2561	640	285	160	102	71	52	40	32	26
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	21	18	15	13	11	10	9	8	7	6
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	238	59	26	15	10	7	5	4	3	2
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	2	1	1	1	1	1	1	1	1

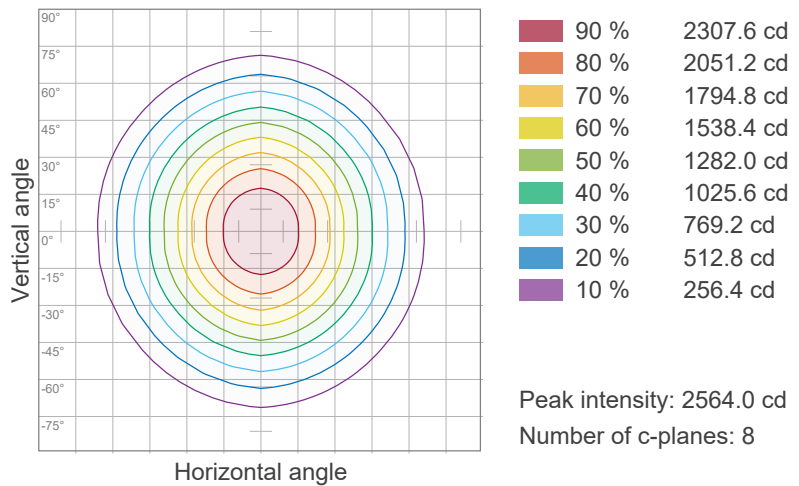
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 4000K

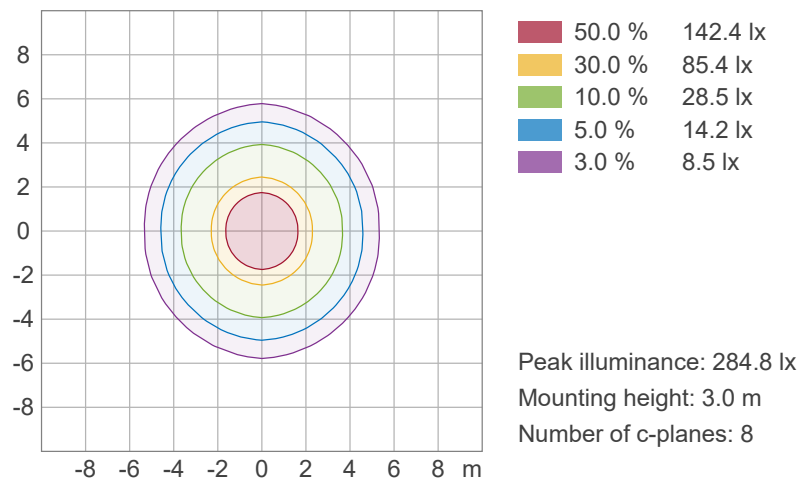


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

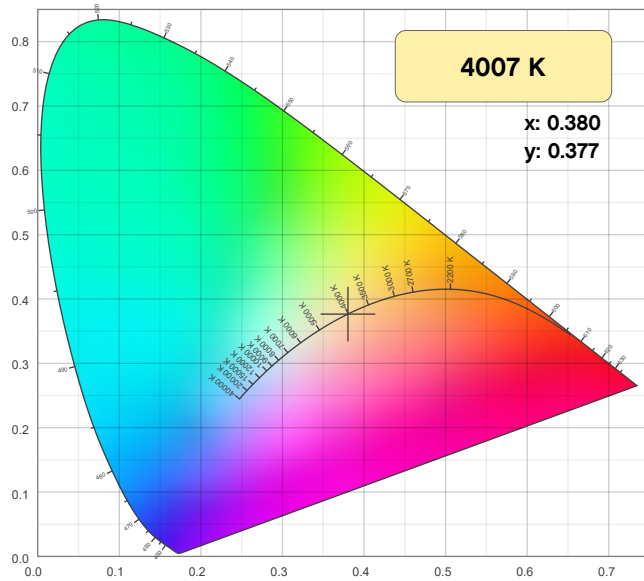


# Photometric & Chromaticity Report

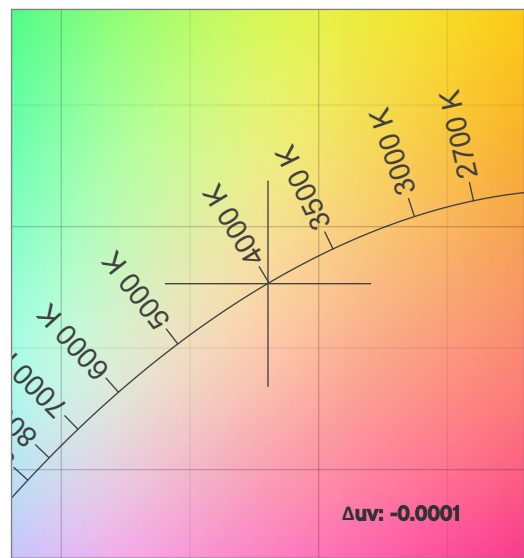
onAir Panel 3 IP: Medium Filter - 4000K

## Chromaticity

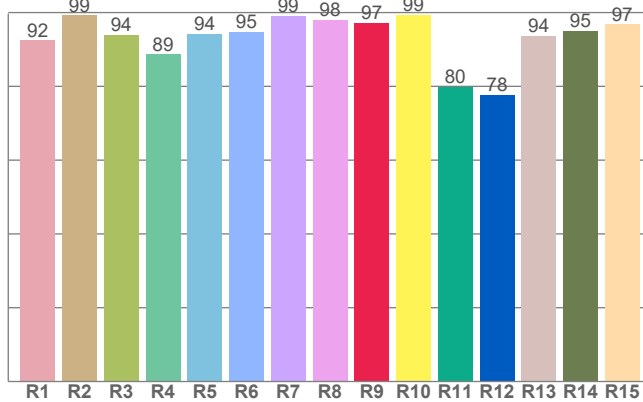
CIE 1931



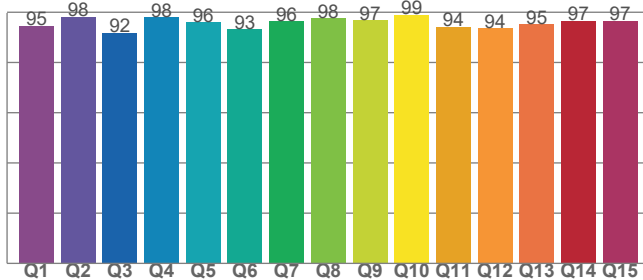
CIE 1931 - Zoom



CRI: 95.1 (R1-R8)



CQS: 95.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4007 K	0.380	0.377

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
-0.0001	0.377	0.225

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
95.1	97.3	95.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
88	92.2	103.4

# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 4000K

## TM-30 Details

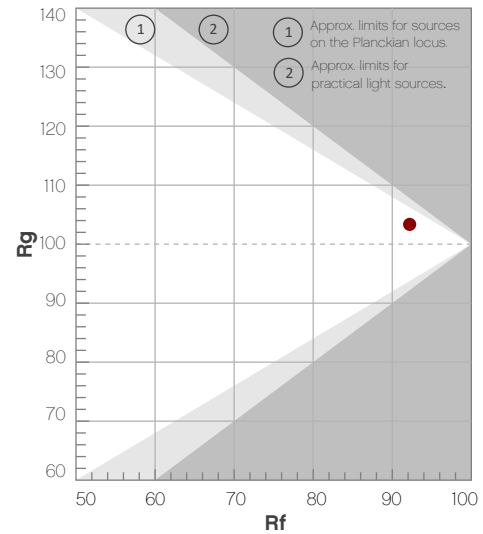
**Rf 92.2**

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

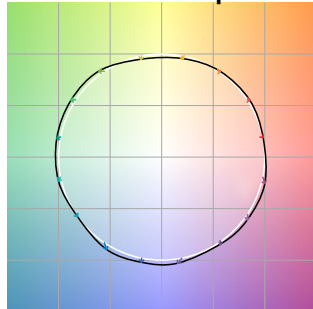
**Rg 103.4**

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

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	0%
2	95	2%	-1%
3	93	1%	-1%
4	94	-2%	-2%
5	92	-3%	1%
6	92	3%	4%
7	91	4%	3%
8	90	3%	2%
9	93	3%	3%
10	95	0%	3%
11	89	4%	5%
12	89	4%	1%
13	91	4%	-5%
14	94	2%	2%
15	89	3%	-5%
16	88	3%	-6%



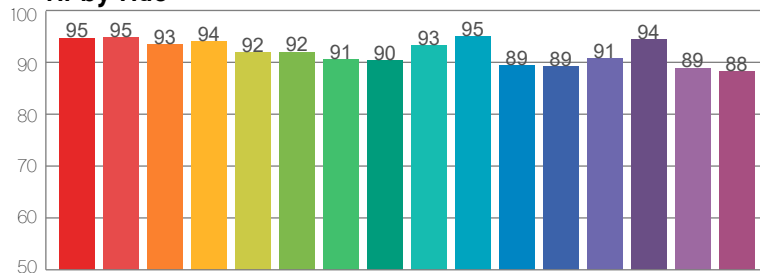
Color Vector Graphic



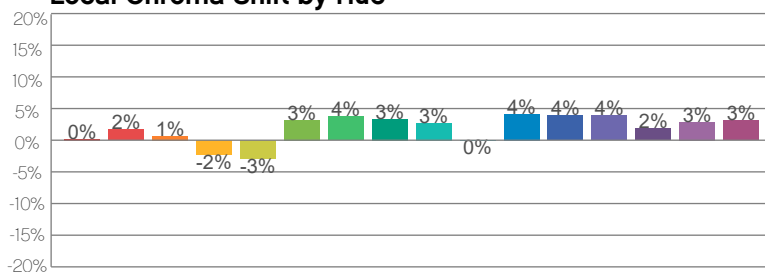
Color Distortion Graphic



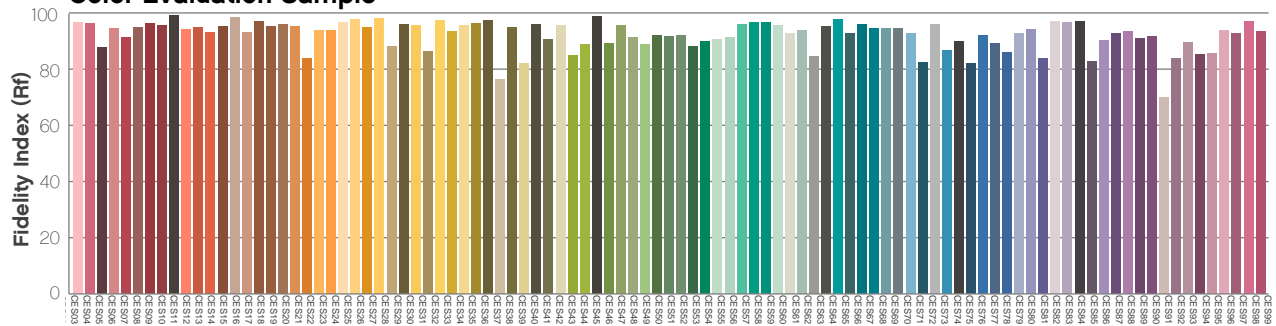
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 5600K

## Report Summary

### Measurements

Fixture Output: 6332 lm  
Fixture Peak: 2725 cd  
Fixture Efficacy: 46 lm/W  
Intensity @ 5m: 109 lux  
Color Temperature: 5609 K  
CRI: 94.9      CRI R9 Value: 96.1  
CQS: 94.6  
TLCI: 93  
TM-30 Rf: 91.4  
TM-30 Rg: 103.8  
Beam Angle (50%): 92.4°  
Field Angle (10%): 152.1°  
Cutoff Angle (3%): 168.5°

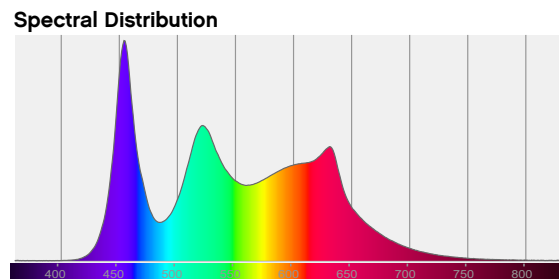
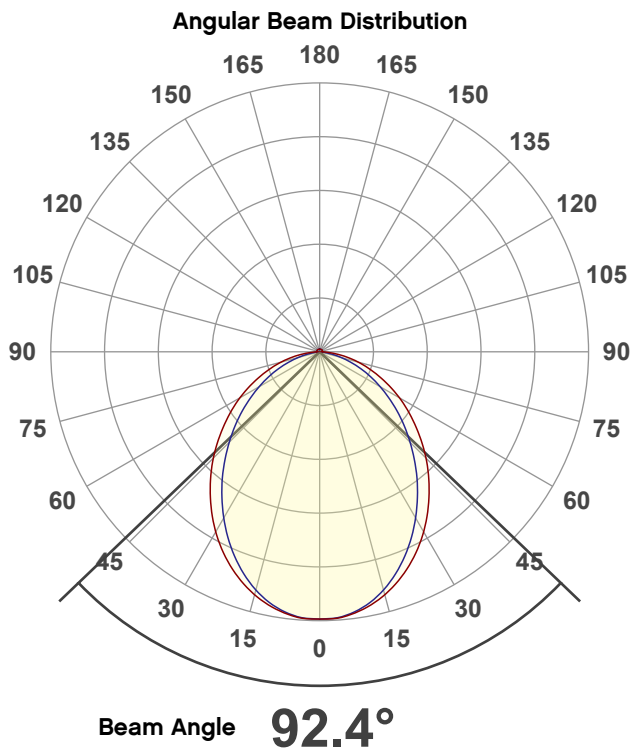
### Conditions

AC Supply: 117 V, 60 Hz  
Power: 138.8 W  
Current: 1.18 A  
Power Factor: 1.0



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 6/12/2023 to LM-63-2002 Standards.

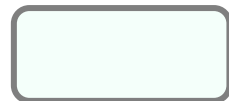
## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.330

Y: 0.338



**Light Quality**

**CRI: 94.9**

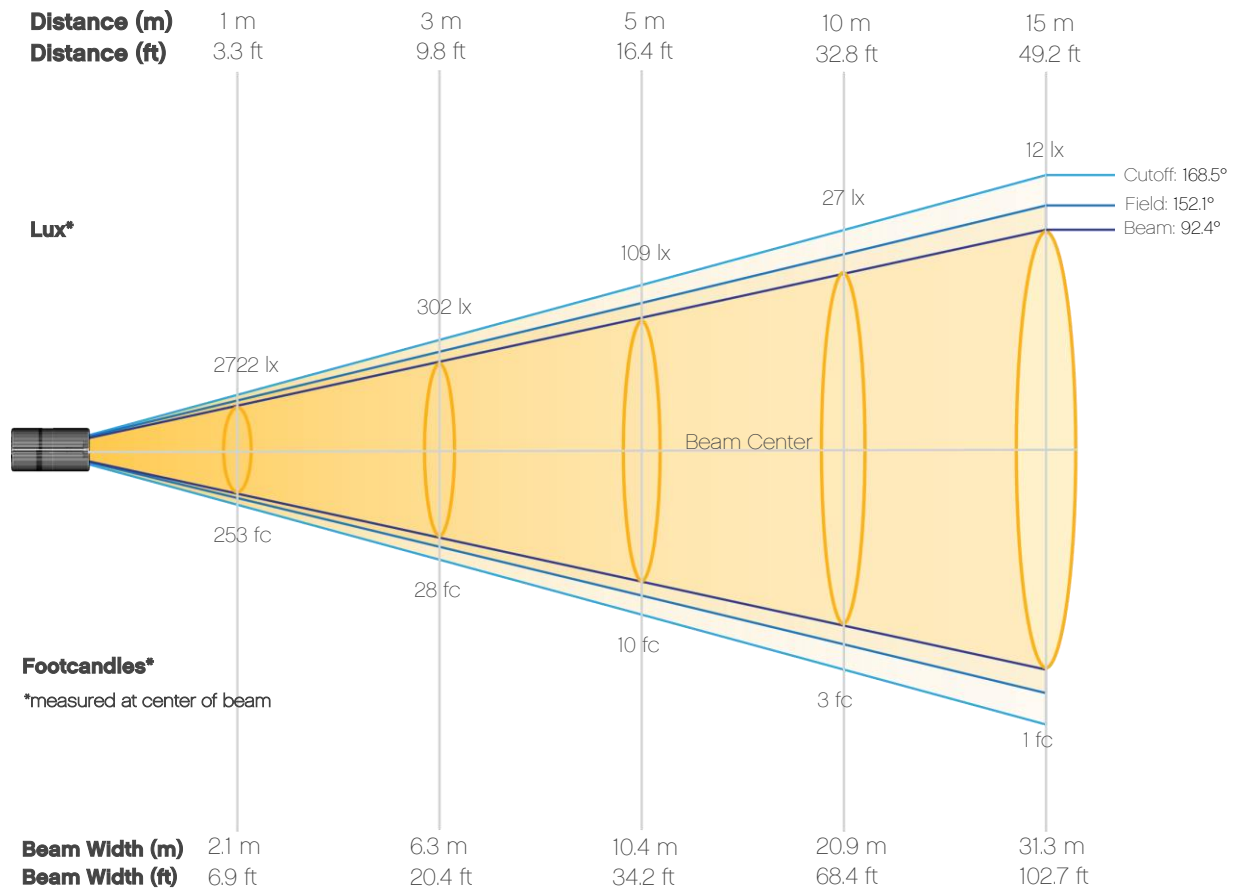
**Color Temperature**

**5609 K**

# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 5600K

## Beam Details



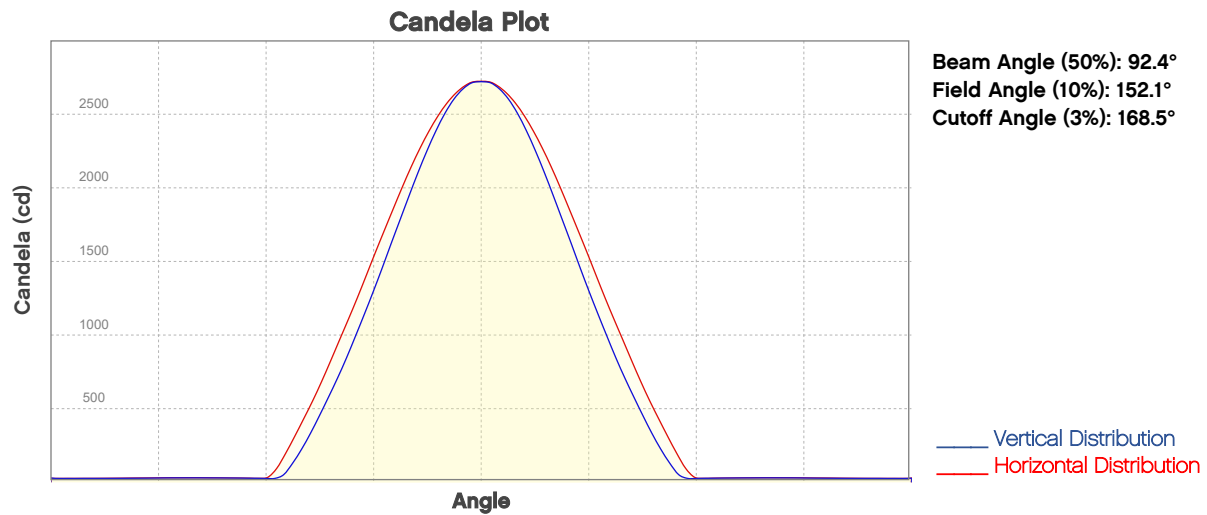
### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	2722	680	302	170	109	76	56	43	34	27
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	22	19	16	14	12	11	9	8	8	7
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	253	63	28	16	10	7	5	4	3	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	2	1	1	1	1	1	1	1	1



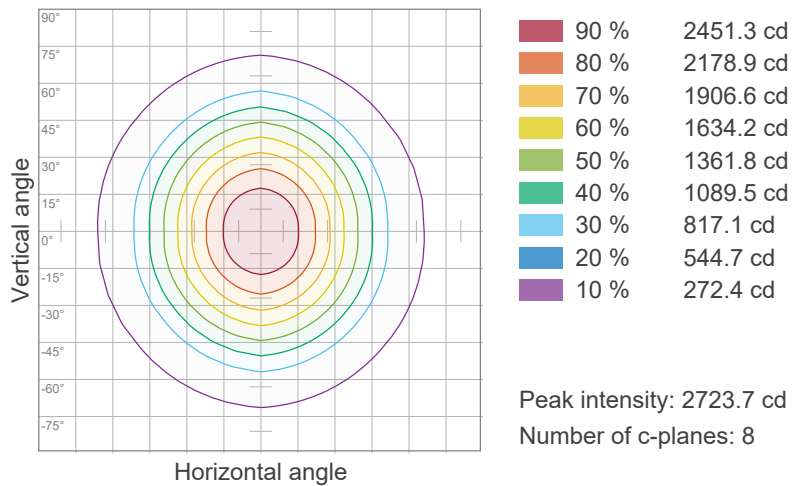
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 5600K

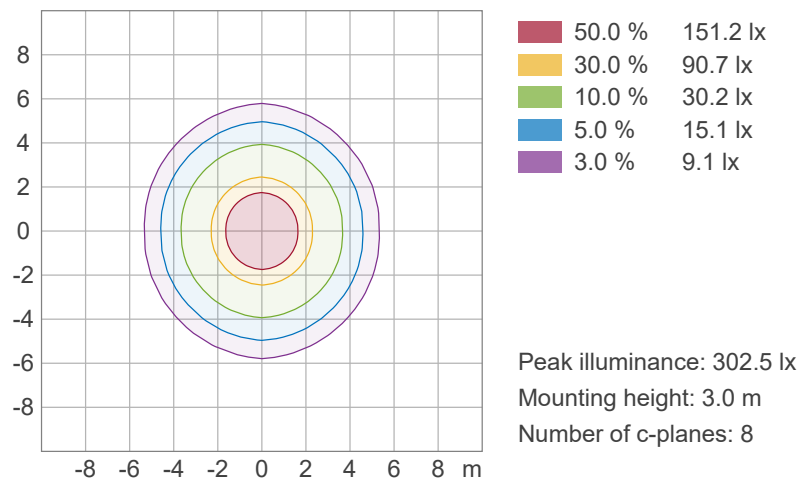


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

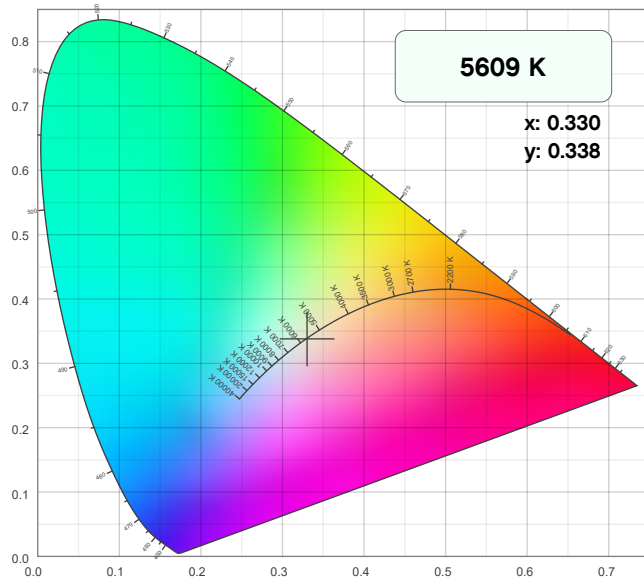


# Photometric & Chromaticity Report

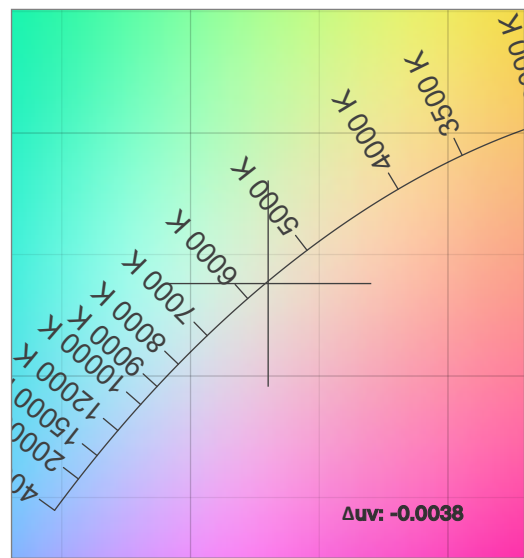
onAir Panel 3 IP: Medium Filter - 5600K

## Chromaticity

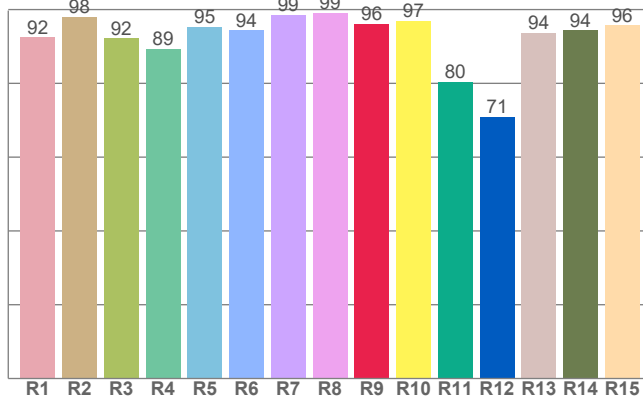
CIE 1931



CIE 1931 - Zoom



CRI: 94.9 (R1-R8)

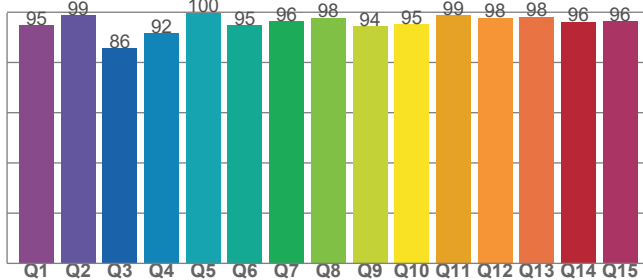


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5609 K	0.330	0.338

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0038	0.338	0.206

CQS: 94.6



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.9	96.1	94.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
93	91.4	103.8

# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - 5600K

## TM-30 Details

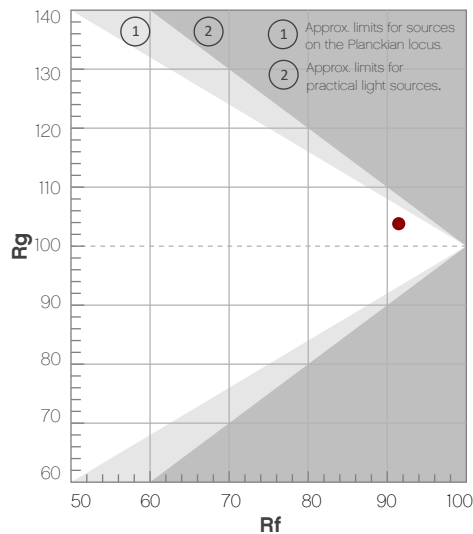
**Rf 91.4**

Fidelity Index  
(Rg)

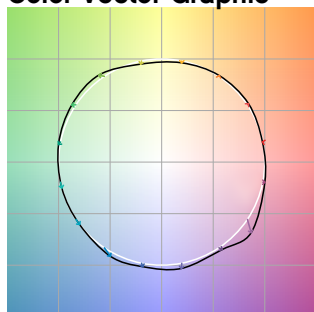
**Rg 103.8**

Gammut Index  
(Rg)

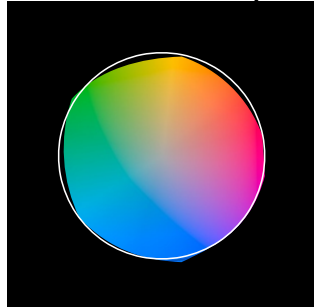
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	0%	0%
2	96	2%	0%
3	95	1%	0%
4	94	-2%	0%
5	91	-3%	1%
6	91	4%	4%
7	91	3%	2%
8	93	1%	3%
9	92	0%	6%
10	90	0%	6%
11	84	4%	10%
12	94	3%	2%
13	93	5%	-1%
14	91	3%	2%
15	83	10%	-9%
16	95	2%	0%



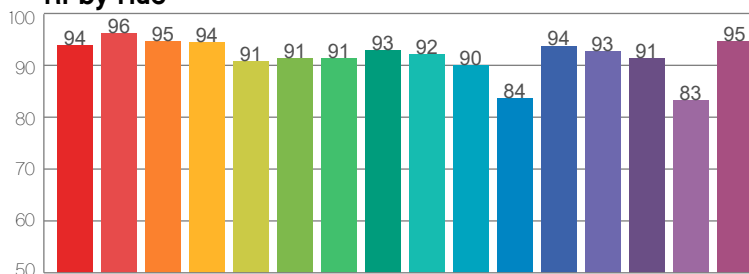
Color Vector Graphic



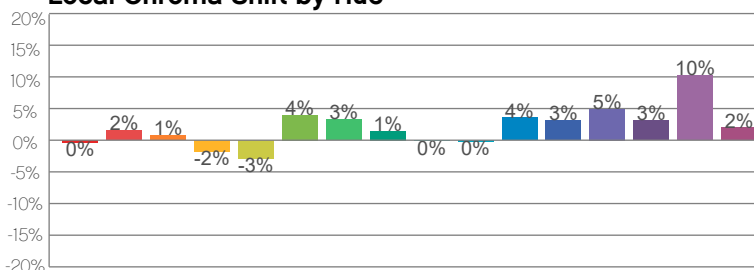
Color Distortion Graphic



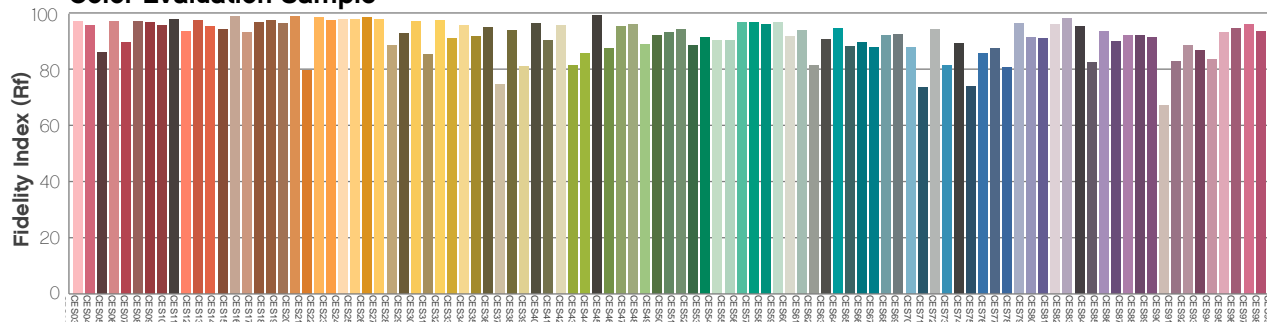
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Red Only

## Report Summary

### Measurements

Fixture Output: 1136 lm  
Fixture Peak: 493 cd  
Fixture Efficacy: 28 lm/W  
Intensity @ 5m: 20 lux  
Color Temperature: 0 K  
CRI: 0.0      CRI R9 Value: 0.0  
CQS: 0.0  
TLCI: n/a  
TM-30 Rf: 0.0  
TM-30 Rg: 0.0  
Beam Angle (50%): 91.7°  
Field Angle (10%): 151.5°  
Cutoff Angle (3%): 168.4°

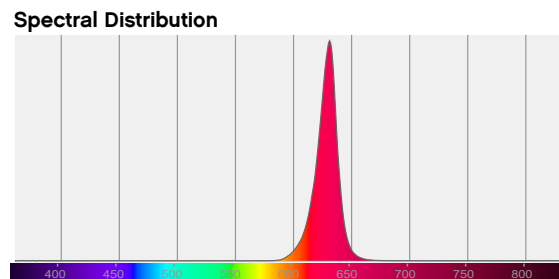
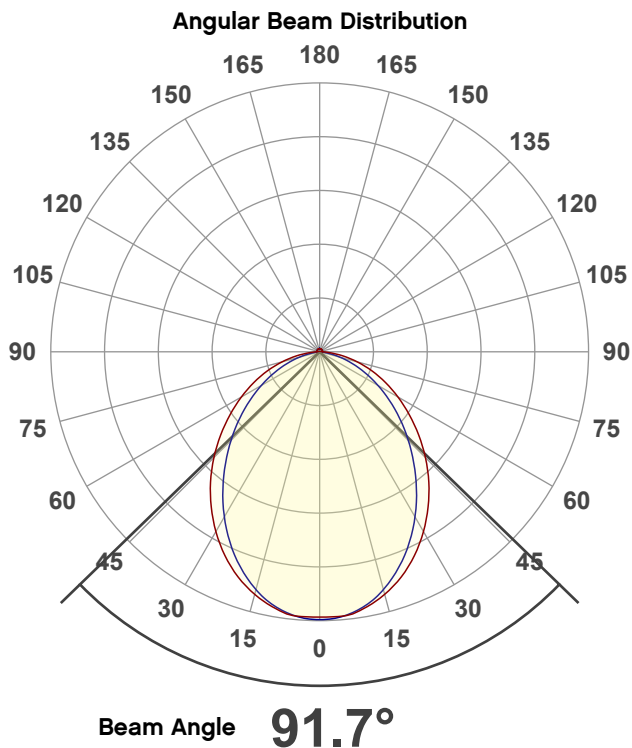
### Conditions

AC Supply: 118 V, 60 Hz  
Power: 45.27 W  
Current: 0.383 A  
Power Factor: 0.9



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 6/9/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.696

Y: 0.304



**Light Quality**

CRI: 0.0

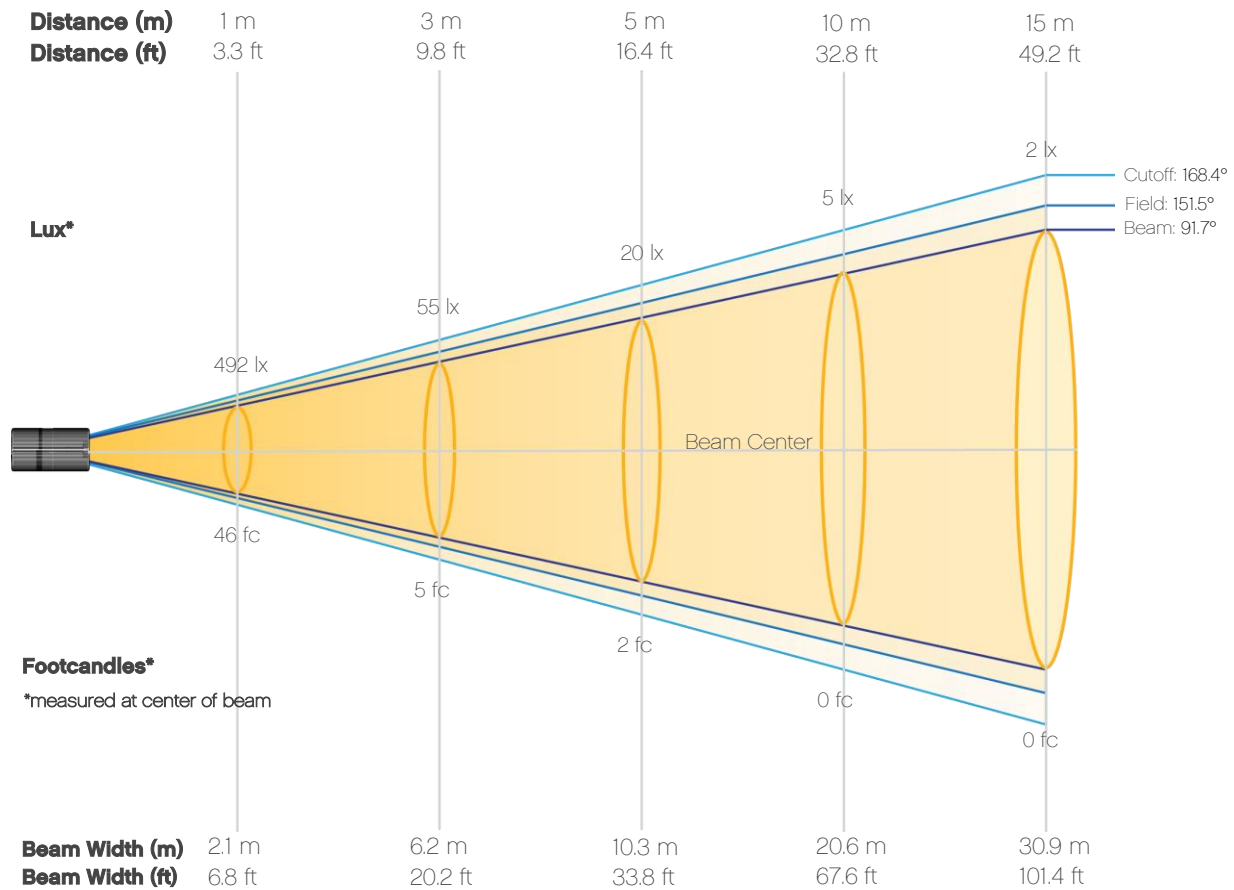
**Color Temperature**

0 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Red Only

## Beam Details

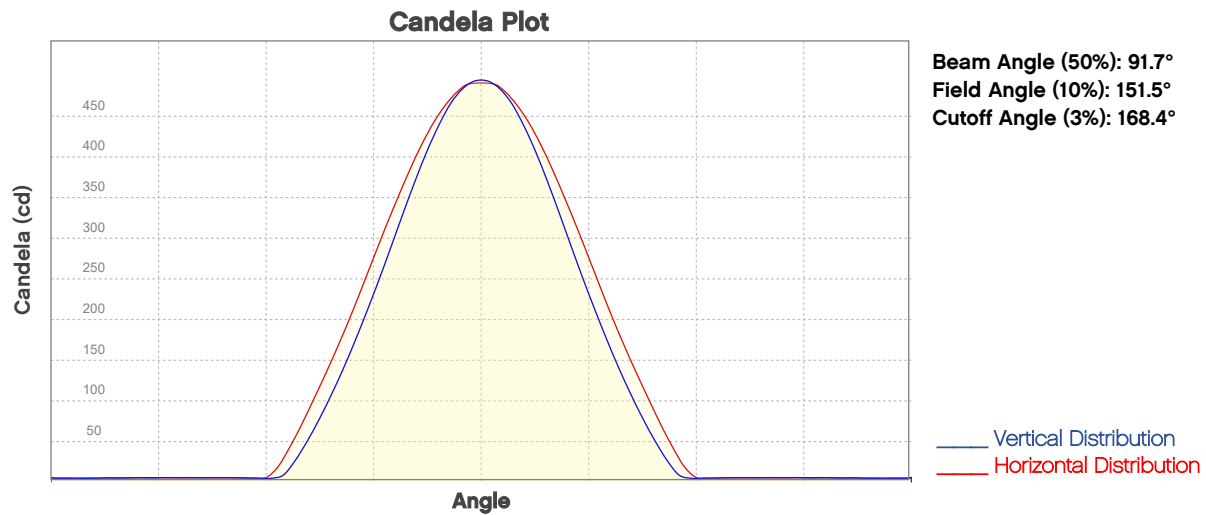


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	492	123	55	31	20	14	10	8	6	5
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	4	3	3	3	2	2	2	2	1	1
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	46	11	5	3	2	1	1	1	1	0
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	0	0	0	0	0	0	0	0	0	0

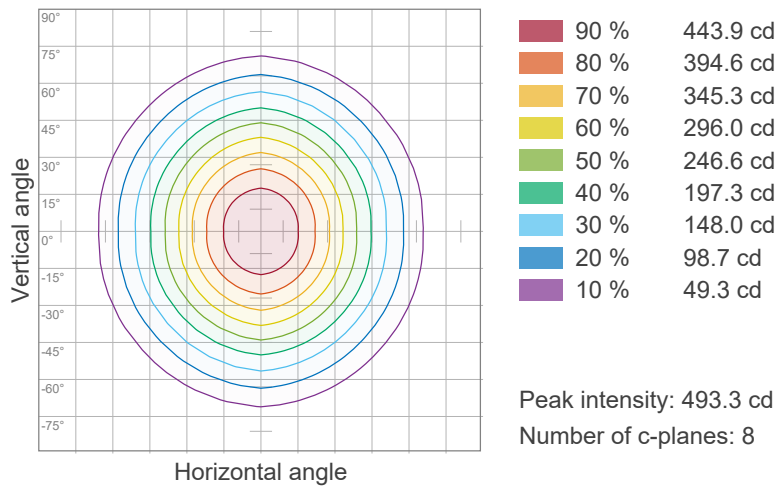
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Red Only

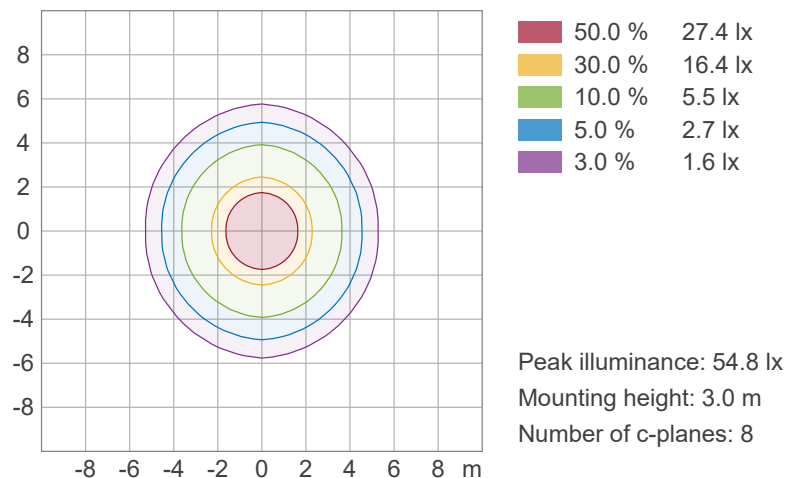


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram





# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Red Only

## TM-30 Details

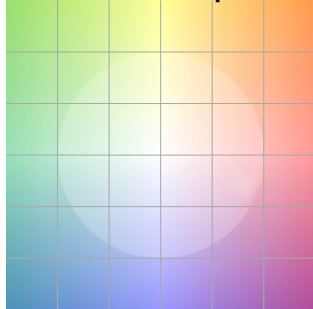
**Rf 0.0**

Fidelity Index  
(Rg)

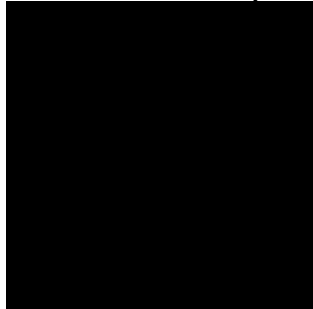
**Rg 0.0**

Gammut Index  
(Rg)

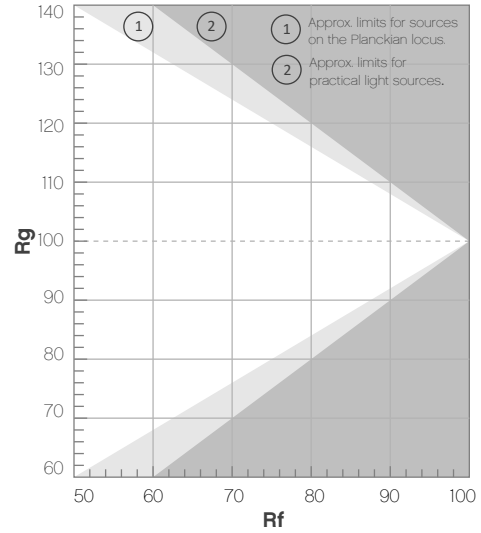
Color Vector Graphic



Color Distortion Graphic



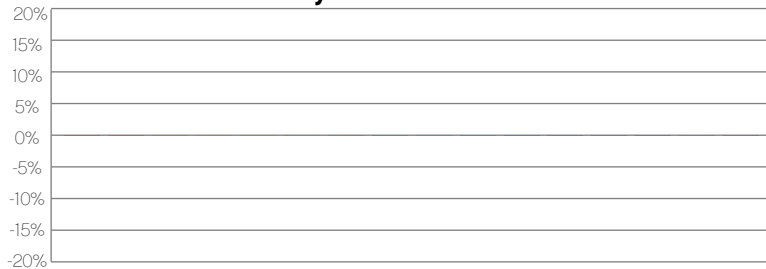
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



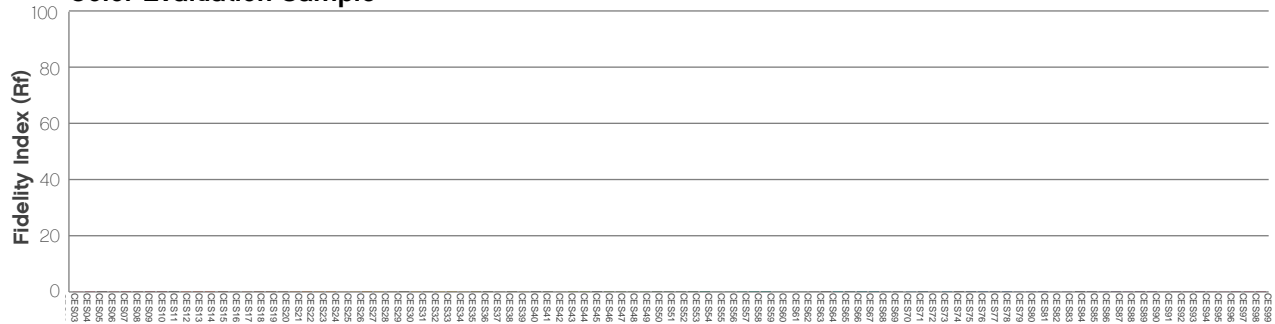
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample





# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Green Only

## Report Summary

### Measurements

Fixture Output: 2936 lm  
Fixture Peak: 1242 cd  
Fixture Efficacy: 38 lm/W  
Intensity @ 5m: 50 lux  
Color Temperature: 0 K  
CRI: 0.0      CRI R9 Value: 0.0  
CQS: 0.0  
TLCI: n/a  
TM-30 Rf: 0.0  
TM-30 Rg: 0.0  
Beam Angle (50%): 93.6°  
Field Angle (10%): 152.8°  
Cutoff Angle (3%): 169.8°

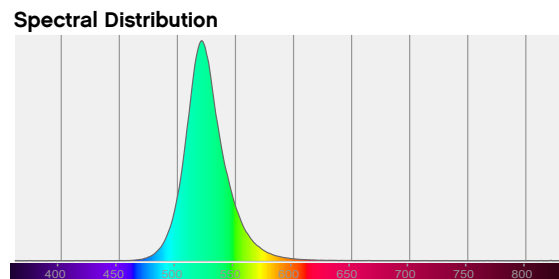
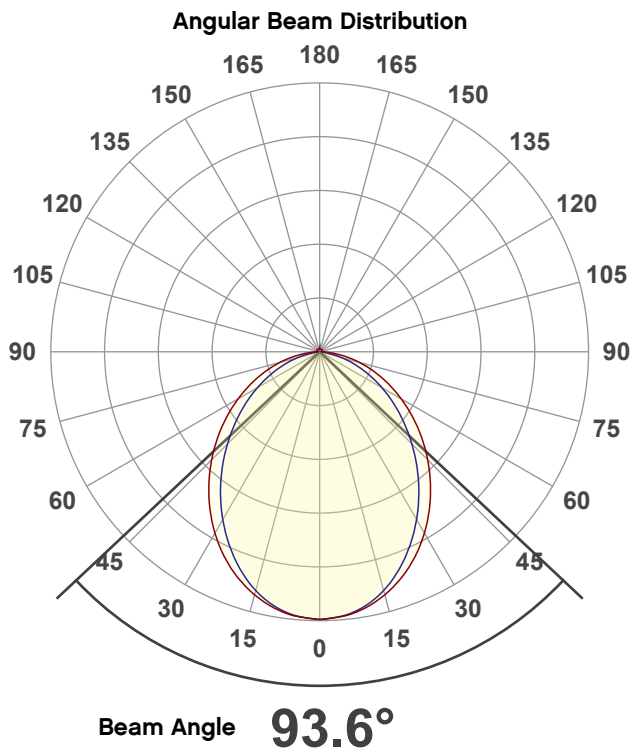


### Conditions

AC Supply: 118 V, 60 Hz  
Power: 79.48 W  
Current: 0.674 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 6/9/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.168

Y: 0.727



**Light Quality**

CRI: 0.0

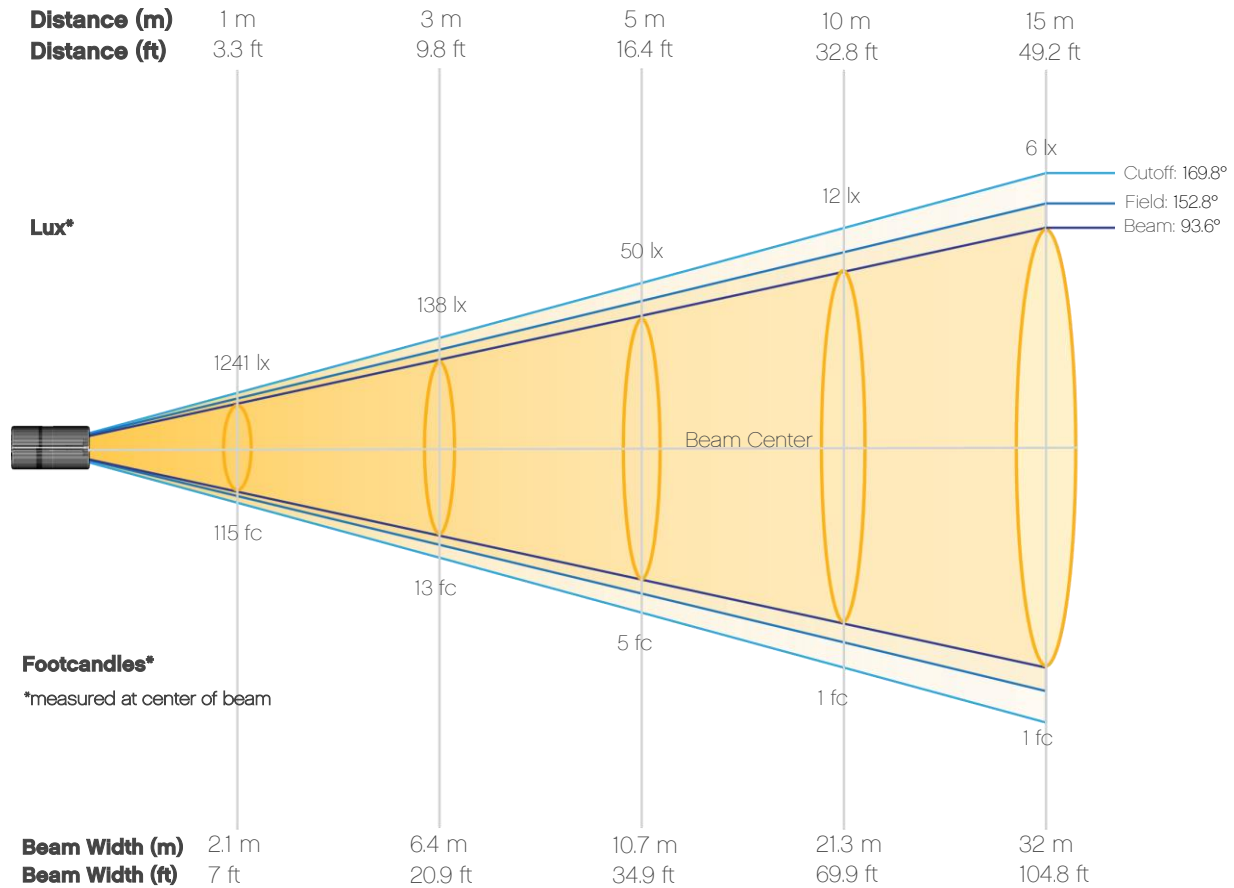
**Color Temperature**

0 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Green Only

## Beam Details

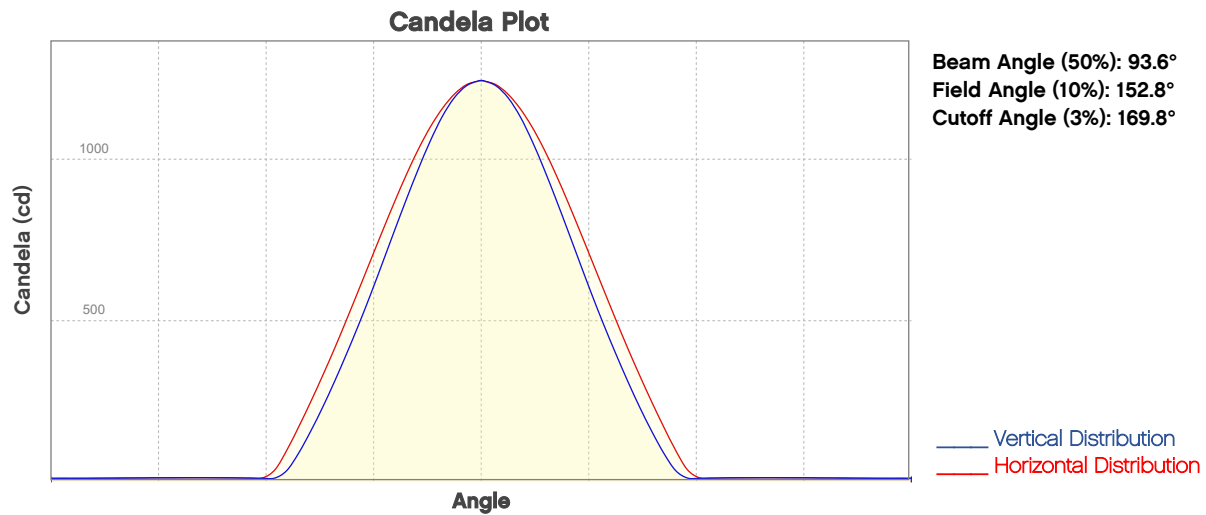


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	1241	310	138	78	50	34	25	19	15	12
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	10	9	7	6	6	5	4	4	3	3
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	115	29	13	7	5	3	2	2	1	1
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	1	1	1	1	1	0	0	0	0	0

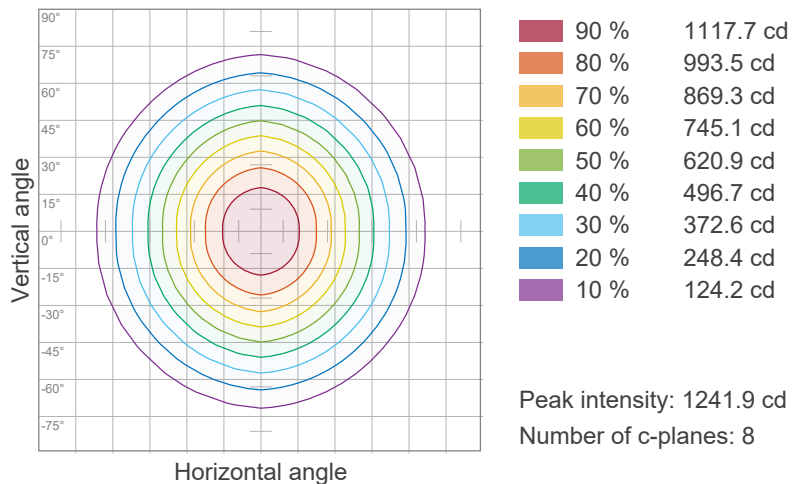
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Green Only

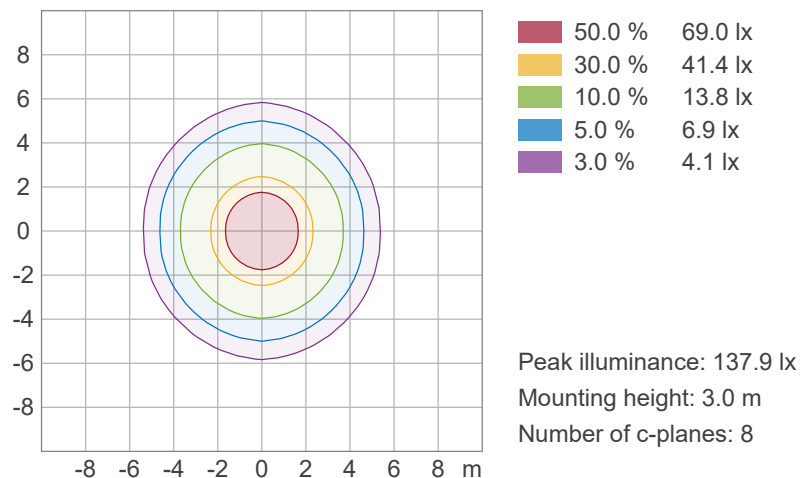


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram





# Photometric & Chromaticity Report

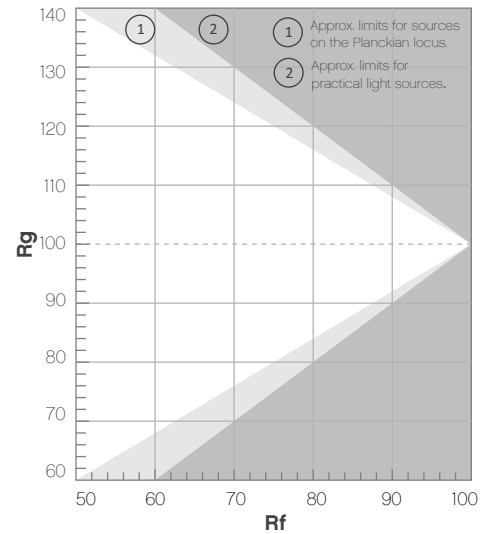
onAir Panel 3 IP: Medium Filter - Green Only

## TM-30 Details

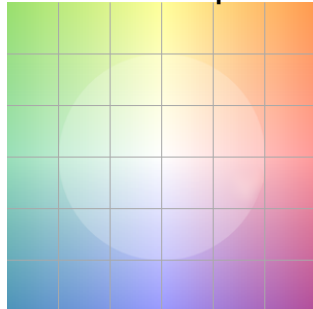
**Rf 0.0**  
Fidelity Index  
(Rg)

**Rg 0.0**  
Gammut Index  
(Rg)

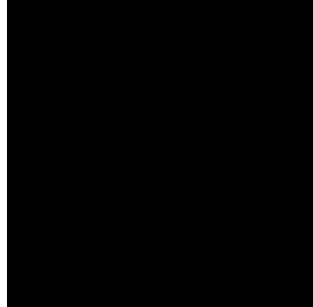
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



Color Distortion Graphic



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Blue Only

## Report Summary

### Measurements

Fixture Output: 337 lm  
Fixture Peak: 137 cd  
Fixture Efficacy: 10 lm/W  
Intensity @ 5m: 5 lux  
Color Temperature: 0 K  
CRI: 0.0      CRI R9 Value: 0.0  
CQS: 0.0  
TLCI: n/a  
TM-30 Rf: 0.0  
TM-30 Rg: 0.0  
Beam Angle (50%): 95.8°  
Field Angle (10%): 154.4°  
Cutoff Angle (3%): 171.6°

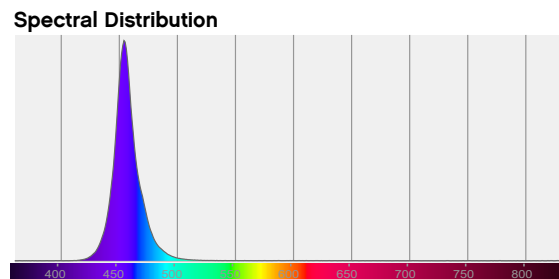
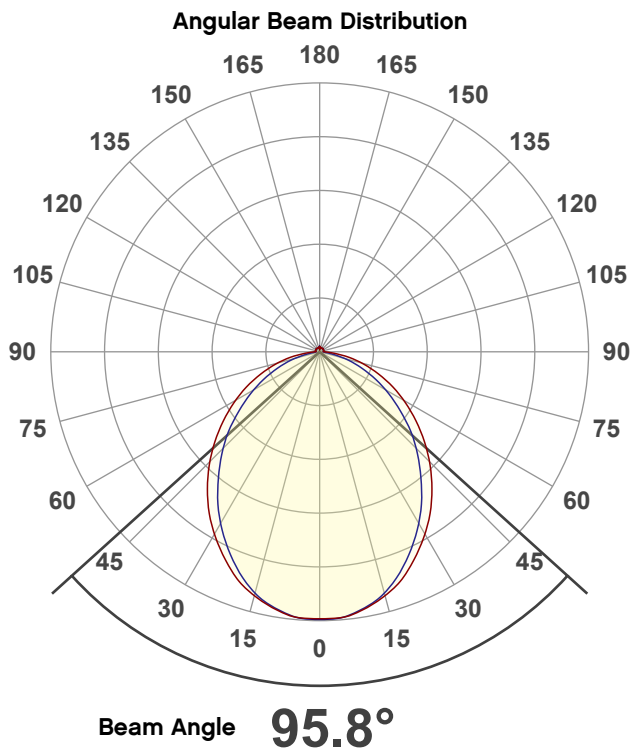


### Conditions

AC Supply: 119 V, 60 Hz  
Power: 39.46 W  
Current: 0.332 A  
Power Factor: 0.86

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 6/9/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.149

Y: 0.033



**Light Quality**

CRI: 0.0

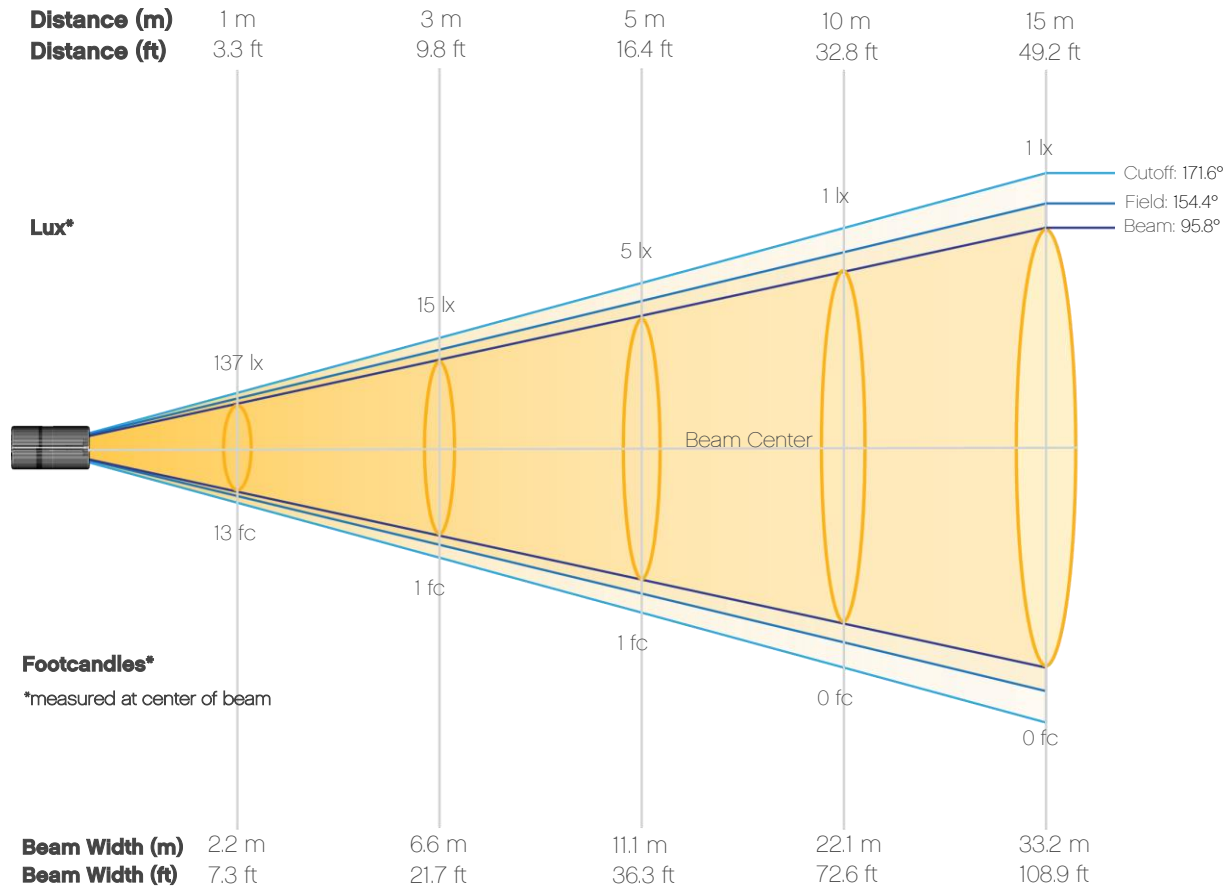
**Color Temperature**

0 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Blue Only

## Beam Details

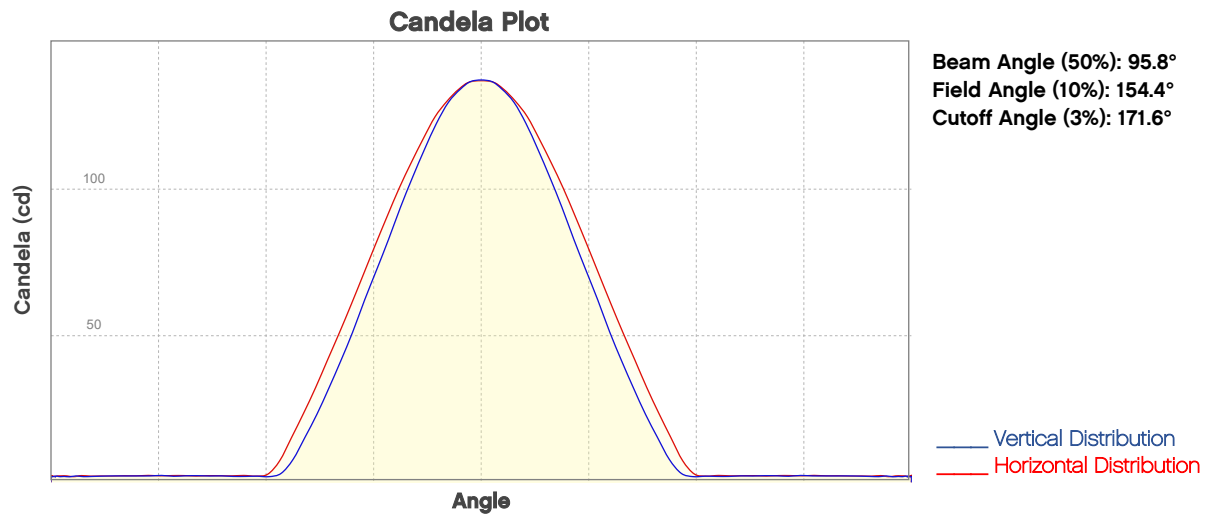


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	137	34	15	9	5	4	3	2	2	1
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	1	1	1	1	1	1	0	0	0	0
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	13	3	1	1	1	0	0	0	0	0
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	0	0	0	0	0	0	0	0	0	0

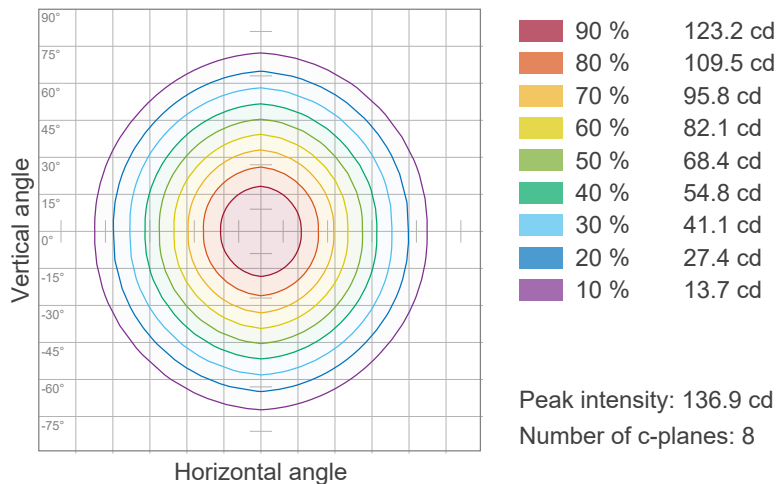
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - Blue Only

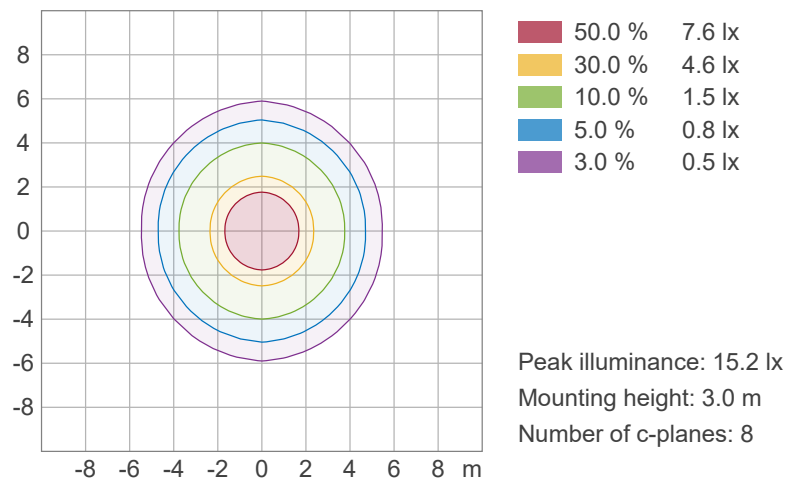


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram







# Photometric & Chromaticity Report

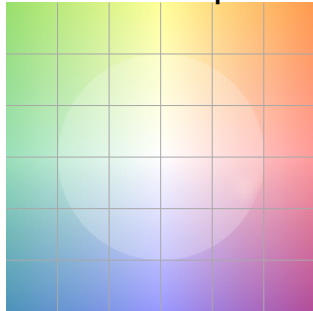
onAir Panel 3 IP: Medium Filter - Blue Only

## TM-30 Details

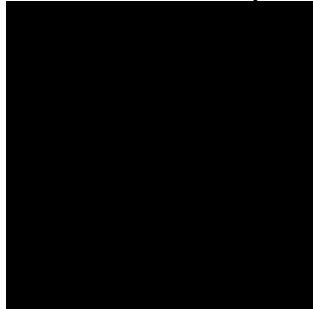
**Rf 0.0**  
Fidelity Index  
(Rg)

**Rg 0.0**  
Gammut Index  
(Rg)

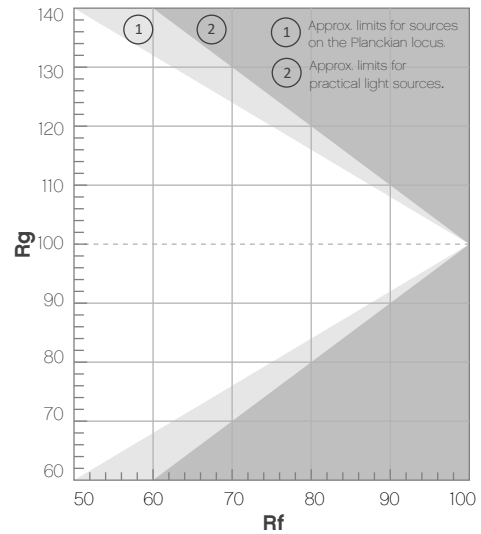
Color Vector Graphic



Color Distortion Graphic



Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



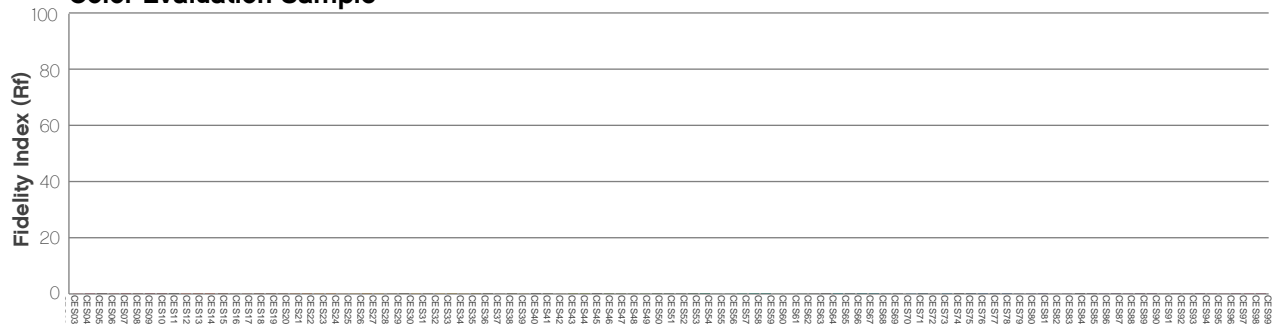
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - White Only

## Report Summary

### Measurements

Fixture Output: 4537 lm  
Fixture Peak: 1965 cd  
Fixture Efficacy: 57 lm/W  
Intensity @ 5m: 78 lux  
Color Temperature: 3087 K  
CRI: 82.5      CRI R9 Value: 3.8  
CQS: 82.0  
TLCI: 67  
TM-30 Rf: 85.0  
TM-30 Rg: 95.8  
Beam Angle (50%): 91.9°  
Field Angle (10%): 151.9°  
Cutoff Angle (3%): 168.2°

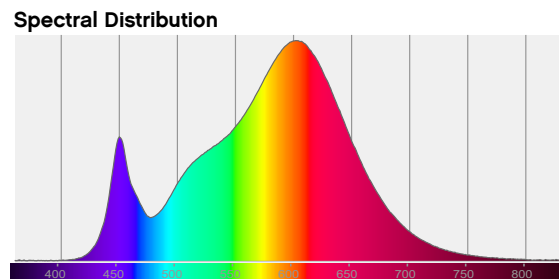
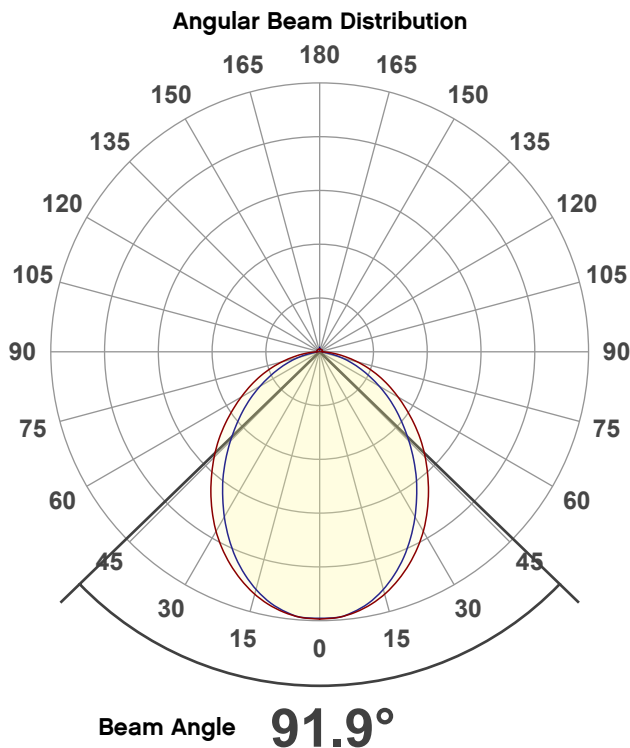
### Conditions

AC Supply: 118 V, 60 Hz  
Power: 82.01 W  
Current: 0.695 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 6/9/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.431

Y: 0.402



**Light Quality**

CRI: 82.5



**Color Temperature**

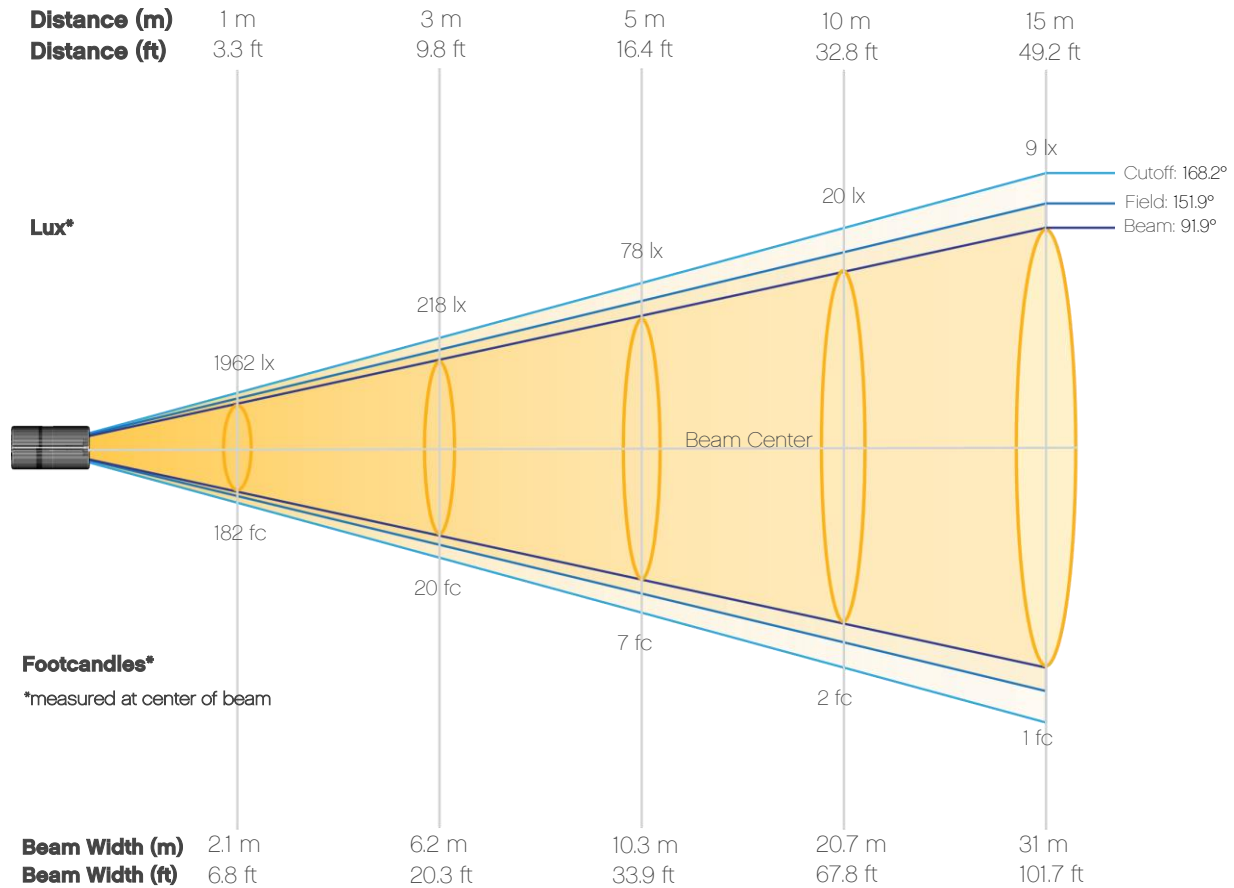
3087 K



# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - White Only

## Beam Details

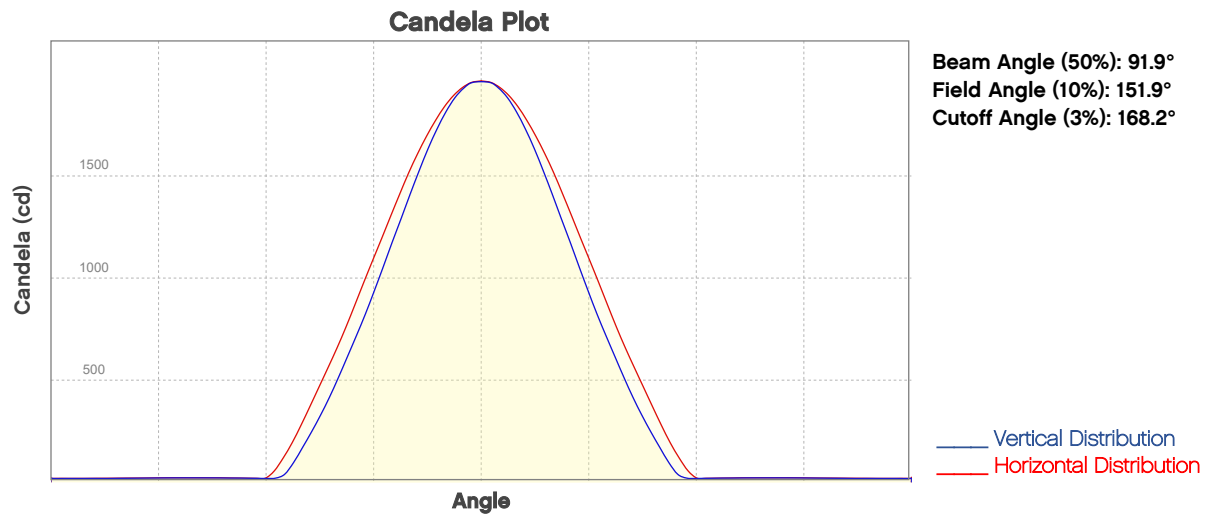


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	1962	490	218	123	78	54	40	31	24	20
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	16	14	12	10	9	8	7	6	5	5
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	182	46	20	11	7	5	4	3	2	2
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	1	1	1	1	1	1	1	1	0

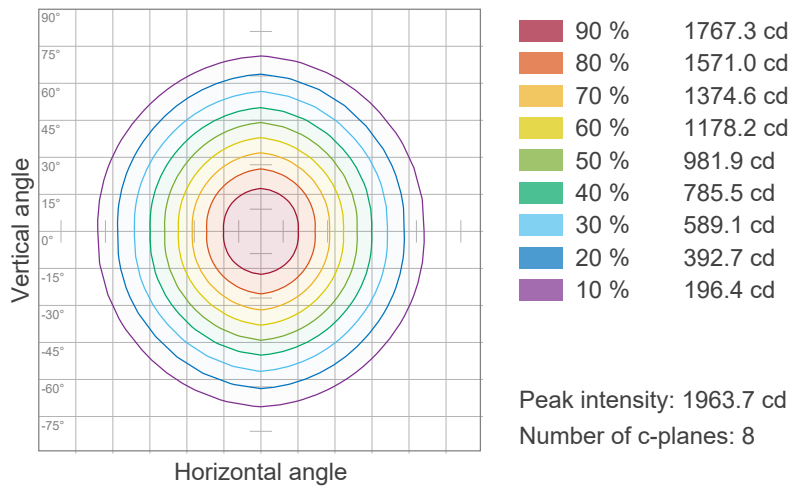
# Photometric & Chromaticity Report

onAir Panel 3 IP: Medium Filter - White Only

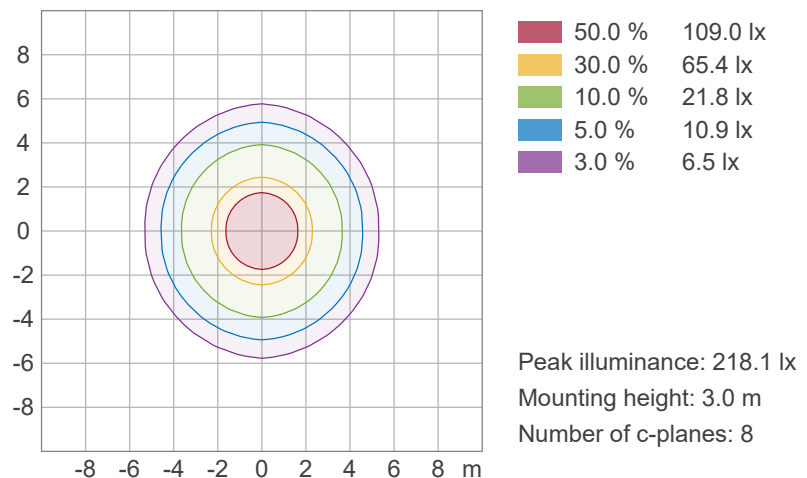


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

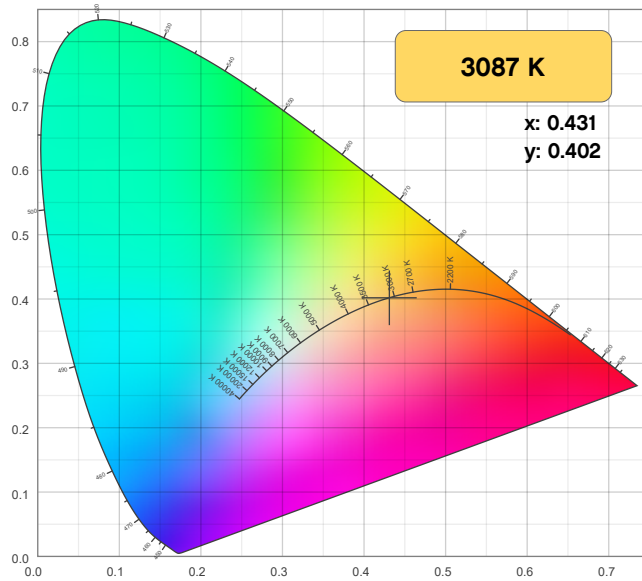


# Photometric & Chromaticity Report

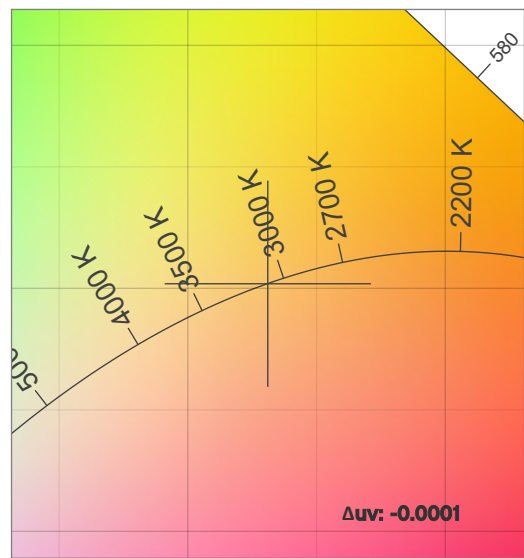
onAir Panel 3 IP: Medium Filter - White Only

## Chromaticity

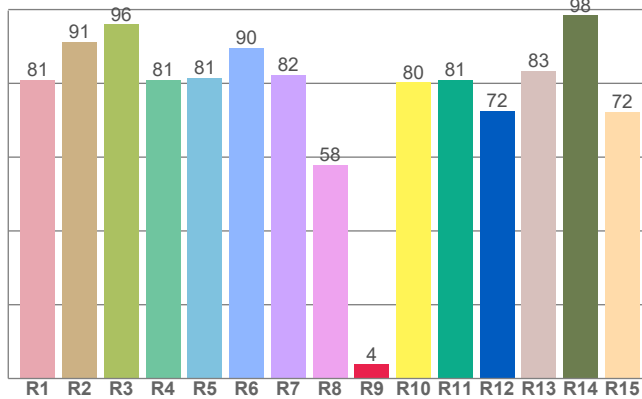
CIE 1931



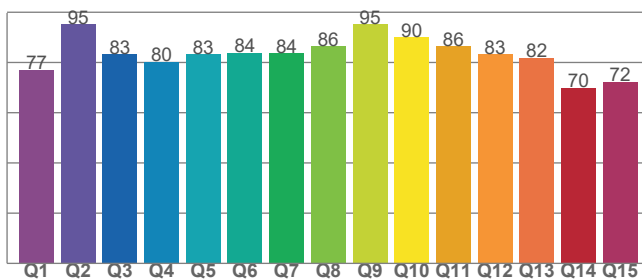
CIE 1931 - Zoom



CRI: 82.5 (R1-R8)



CQS: 82.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3087 K	0.431	0.402

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0001	0.402	0.248

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
82.5	3.8	82.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
67	85.0	95.8

# Photometric & Chromaticity Report

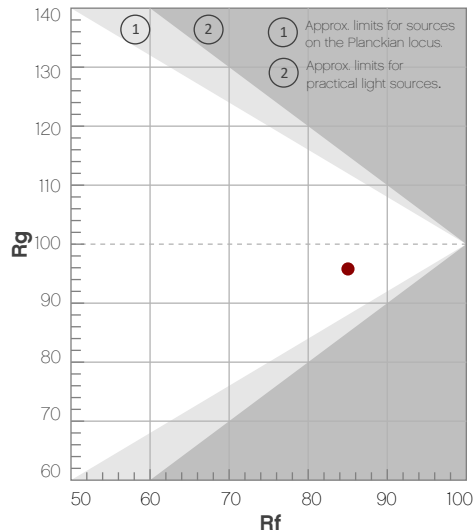
onAir Panel 3 IP: Medium Filter - White Only

## TM-30 Details

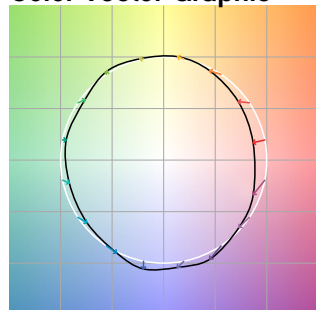
**Rf 85.0**  
Fidelity Index  
(Rg)

**Rg 95.8**  
Gammut Index  
(Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	79	-3%	11%
4	90	1%	6%
5	93	1%	3%
6	94	2%	-2%
7	87	-4%	-6%
8	93	-4%	-1%
9	89	-6%	4%
10	82	-4%	9%
11	82	0%	12%
12	87	7%	1%
13	88	5%	-7%
14	80	5%	-16%
15	79	-3%	-14%
16	77	-8%	-16%



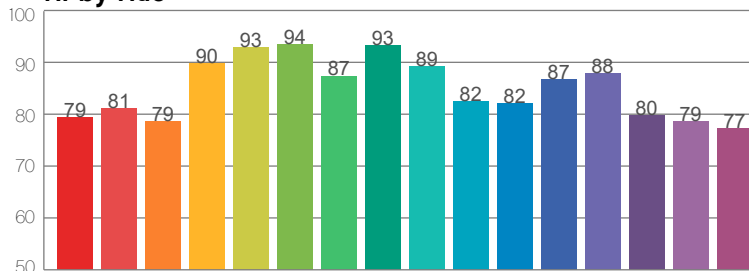
Color Vector Graphic



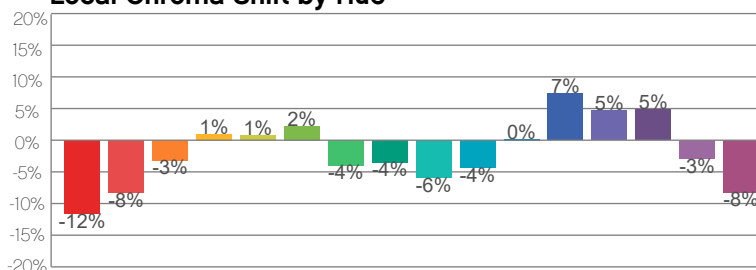
Color Distortion Graphic



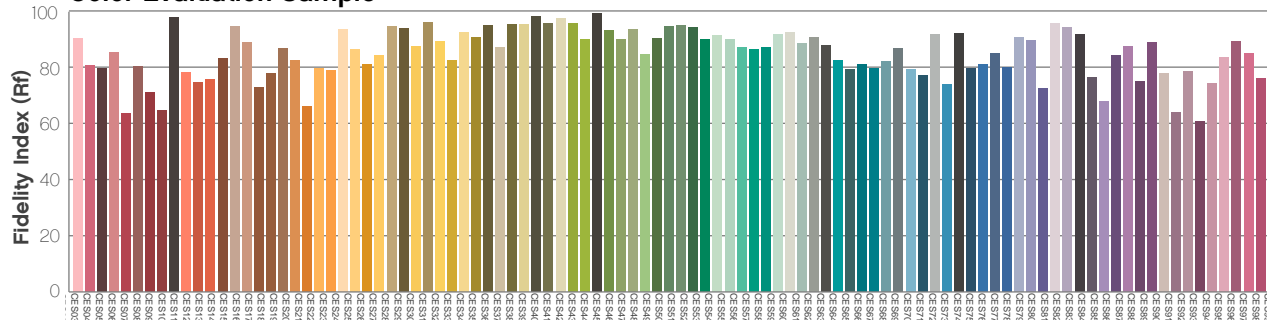
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - Full Power

## Report Summary

### Measurements

Fixture Output: 7268 lm  
Fixture Peak: 3380 cd  
Fixture Efficacy: 44 lm/W  
Intensity @ 5m: 135 lux  
Color Temperature: 5619 K  
CRI: 69.4      CRI R9 Value: -31.3  
CQS: 87.0  
TLCI: 71  
TM-30 Rf: 82.6  
TM-30 Rg: 115.1  
Beam Angle (50%): 88.5°  
Field Angle (10%): 144.8°  
Cutoff Angle (3%): 163.5°

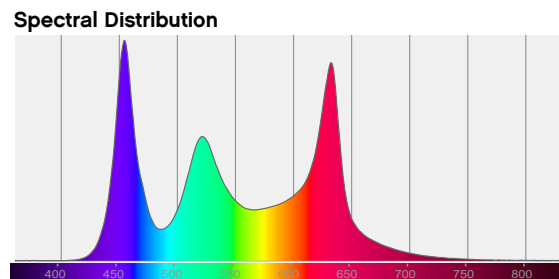
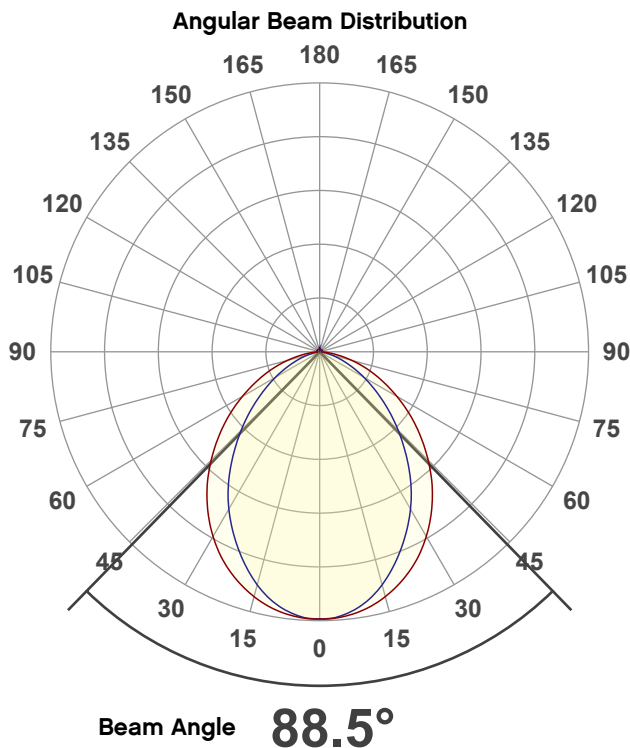
### Conditions

AC Supply: 118 V, 60 Hz  
Power: 164.2 W  
Current: 1.39 A  
Power Factor: 1.0



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 6/12/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.330

Y: 0.313



**Light Quality**

CRI: 69.4

**Color Temperature**

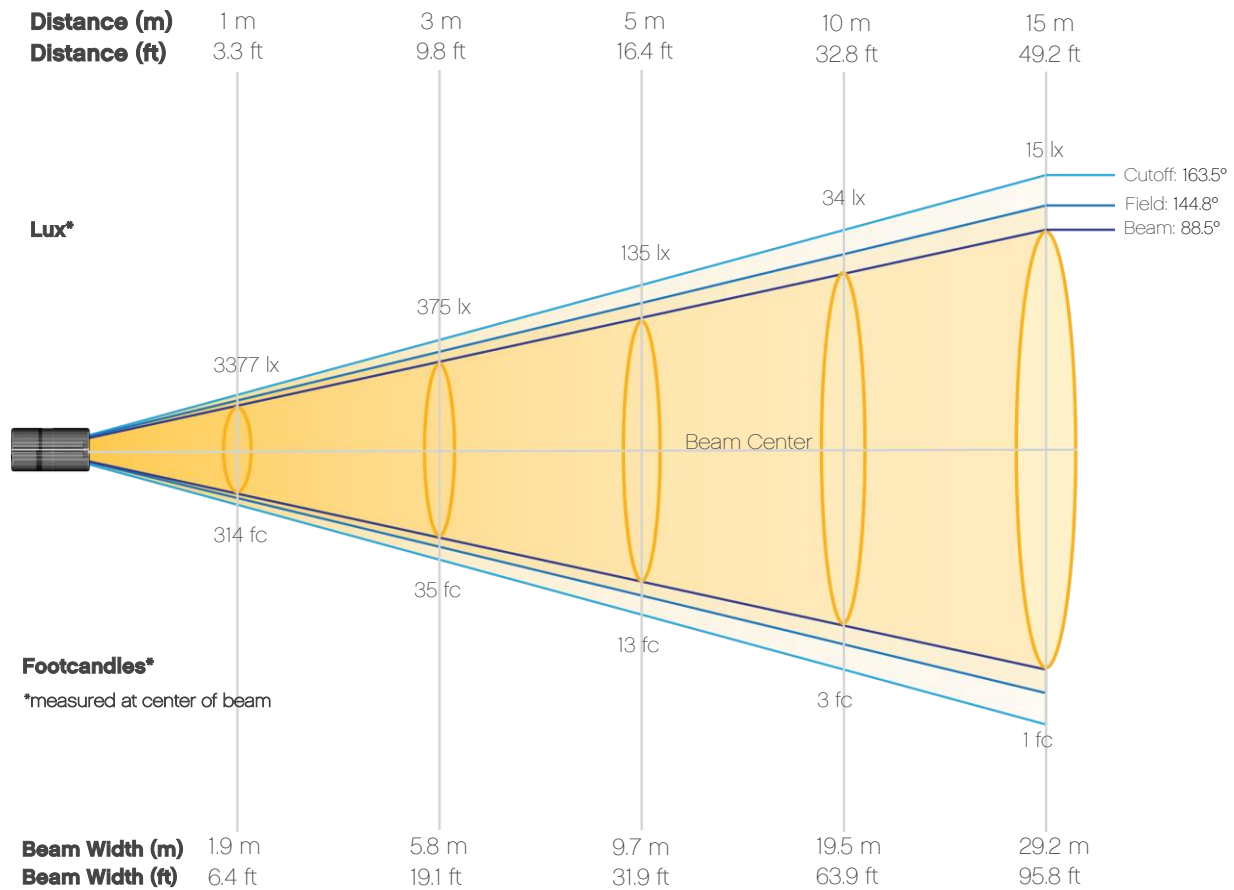
5619 K



# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - Full Power

## Beam Details

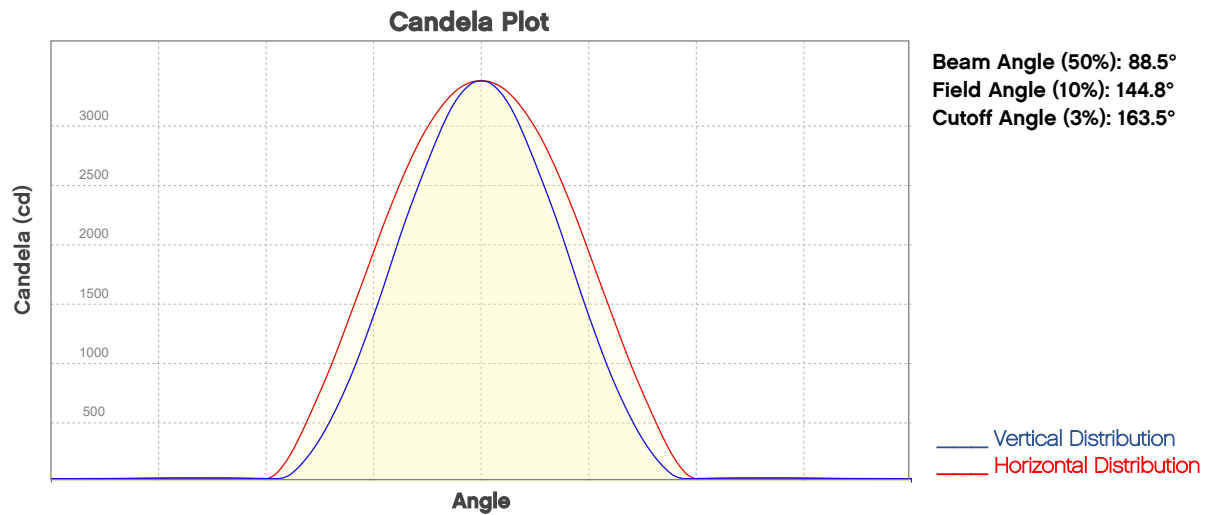


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	3377	844	375	211	135	94	69	53	42	34
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	28	23	20	17	15	13	12	10	9	8
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	314	78	35	20	13	9	6	5	4	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	3	2	2	2	1	1	1	1	1	1

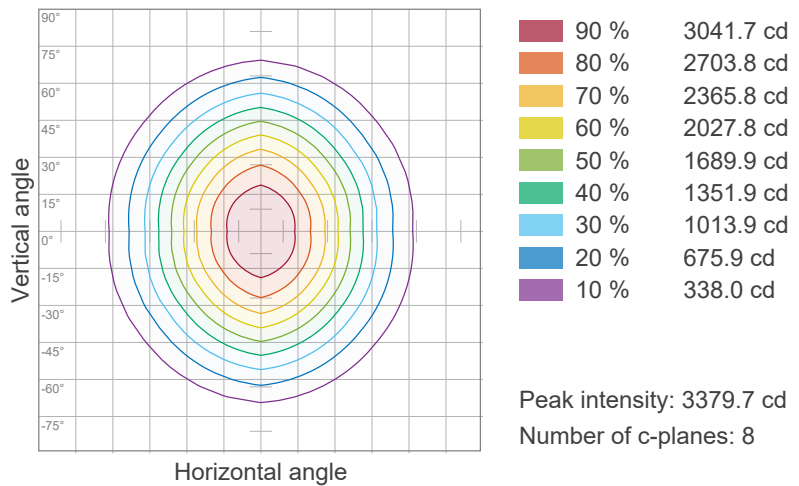
# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - Full Power

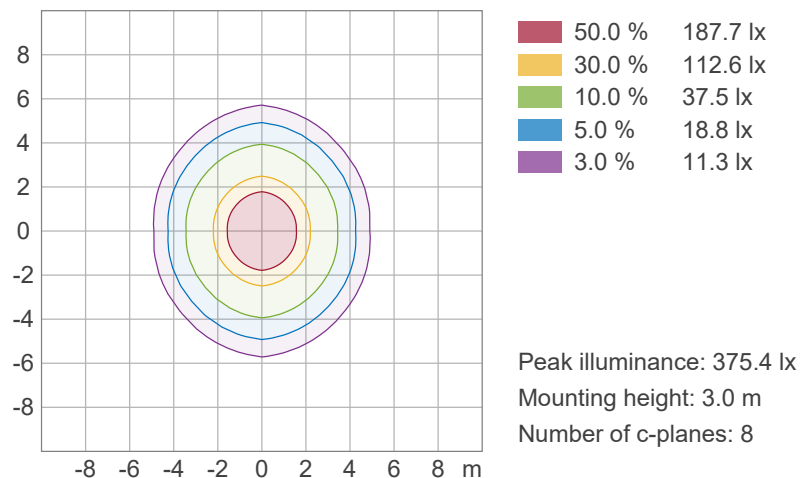


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

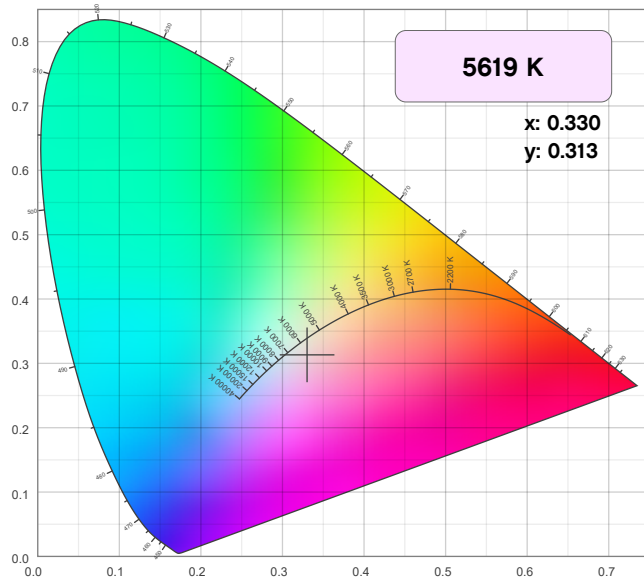


# Photometric & Chromaticity Report

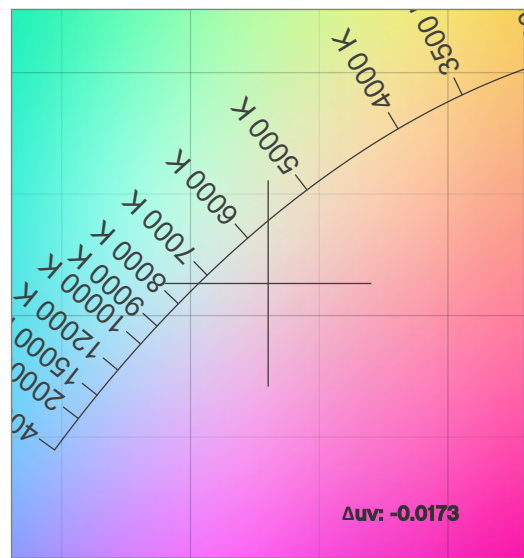
onAir Panel 3 IP: Light Filter - Full Power

## Chromaticity

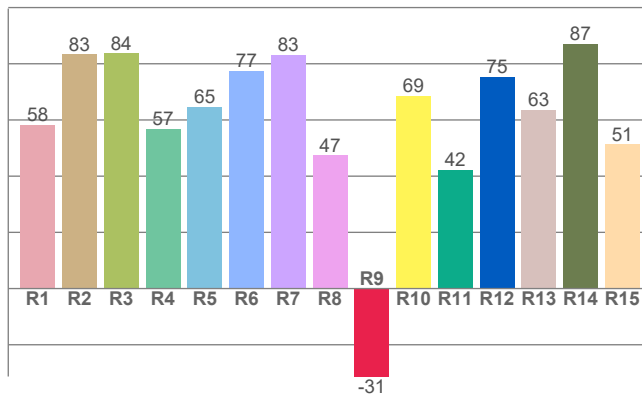
CIE 1931



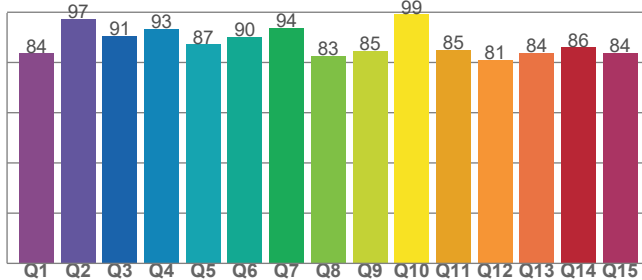
CIE 1931 - Zoom



CRI: 69.4 (R1-R8)



CQS: 87.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5619 K	0.330	0.313

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
-0.0173	0.313	0.217

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.4	-31.3	87.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
71	82.6	115.1

# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - Full Power

## TM-30 Details

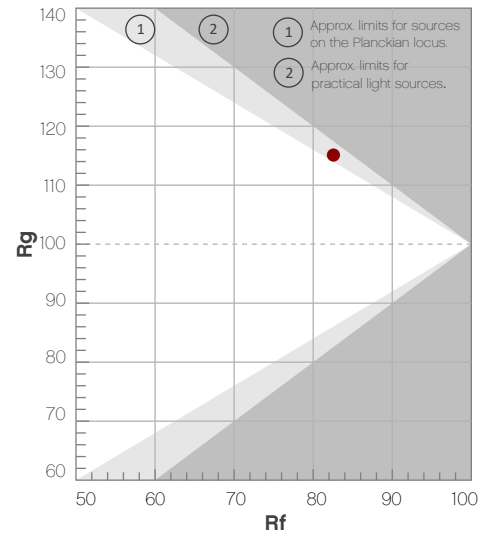
**Rf 82.6**

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

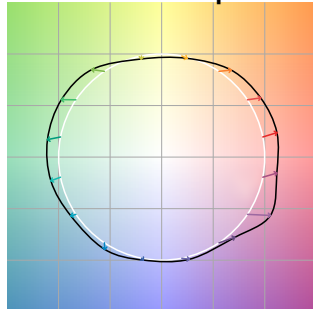
**Rg 115.1**

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

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	72	14%	1%
2	79	12%	-6%
3	78	8%	-9%
4	89	-1%	-6%
5	89	-3%	1%
6	82	8%	9%
7	78	12%	8%
8	78	12%	5%
9	87	10%	2%
10	91	5%	-1%
11	89	5%	4%
12	93	1%	2%
13	90	2%	7%
14	74	4%	16%
15	73	19%	12%
16	75	13%	7%



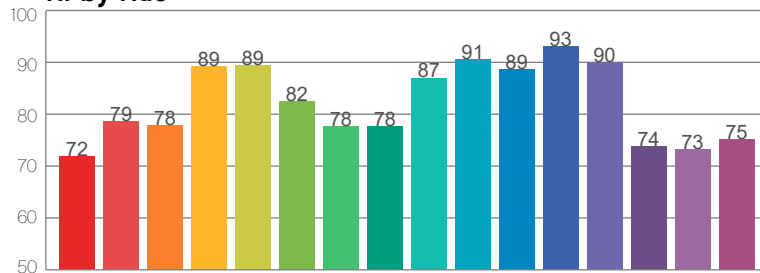
Color Vector Graphic



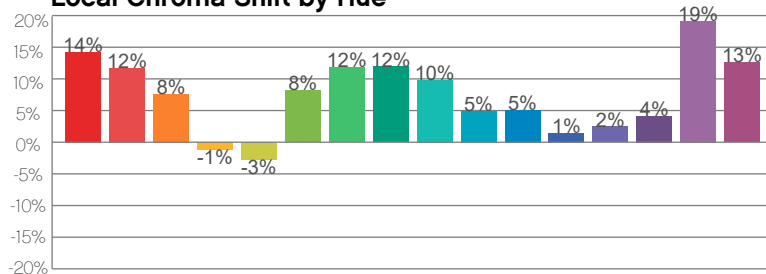
Color Distortion Graphic



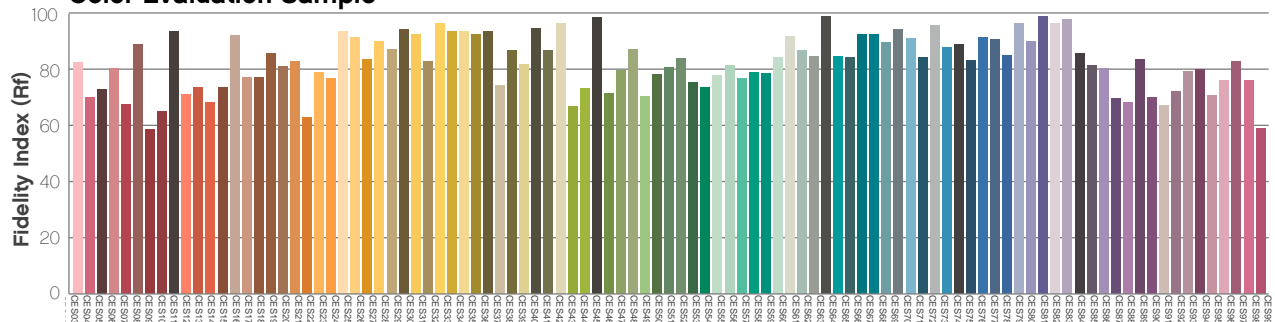
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 3200K

## Report Summary

### Measurements

Fixture Output: 7031 lm  
Fixture Peak: 3293 cd  
Fixture Efficacy: 51 lm/W  
Intensity @ 5m: 132 lux  
Color Temperature: 3234 K  
CRI: 86.7      CRI R9 Value: 69.8  
CQS: 87.5  
TLCI: 76  
TM-30 Rf: 89.5  
TM-30 Rg: 104.8  
Beam Angle (50%): 88.1°  
Field Angle (10%): 144.5°  
Cutoff Angle (3%): 163.4°

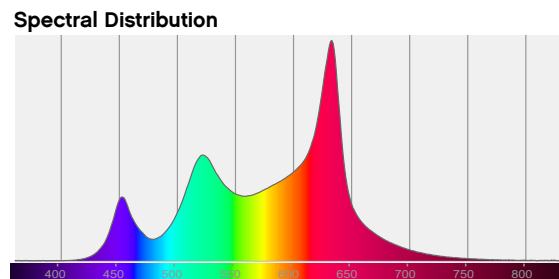
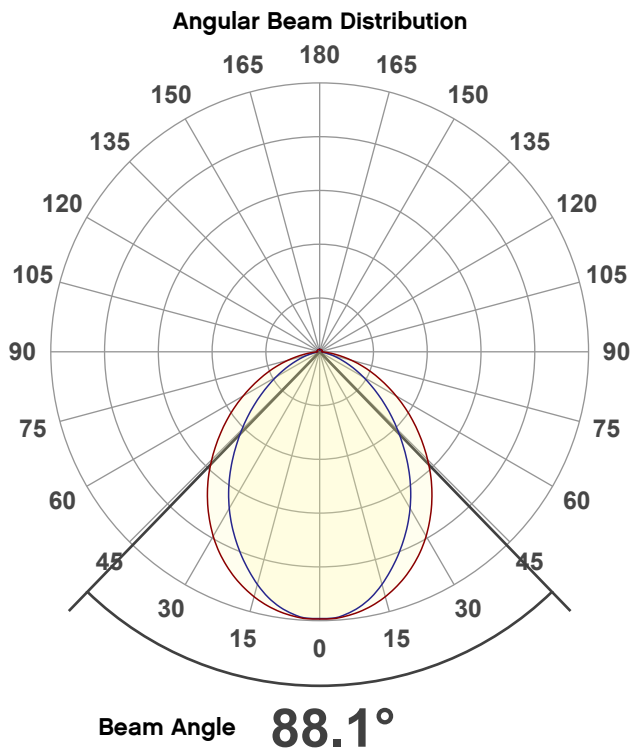
### Conditions

AC Supply: 119 V, 60 Hz  
Power: 137.24 W  
Current: 1.15 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 6/12/2023 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.426

Y: 0.410



Light Quality

CRI: 86.7

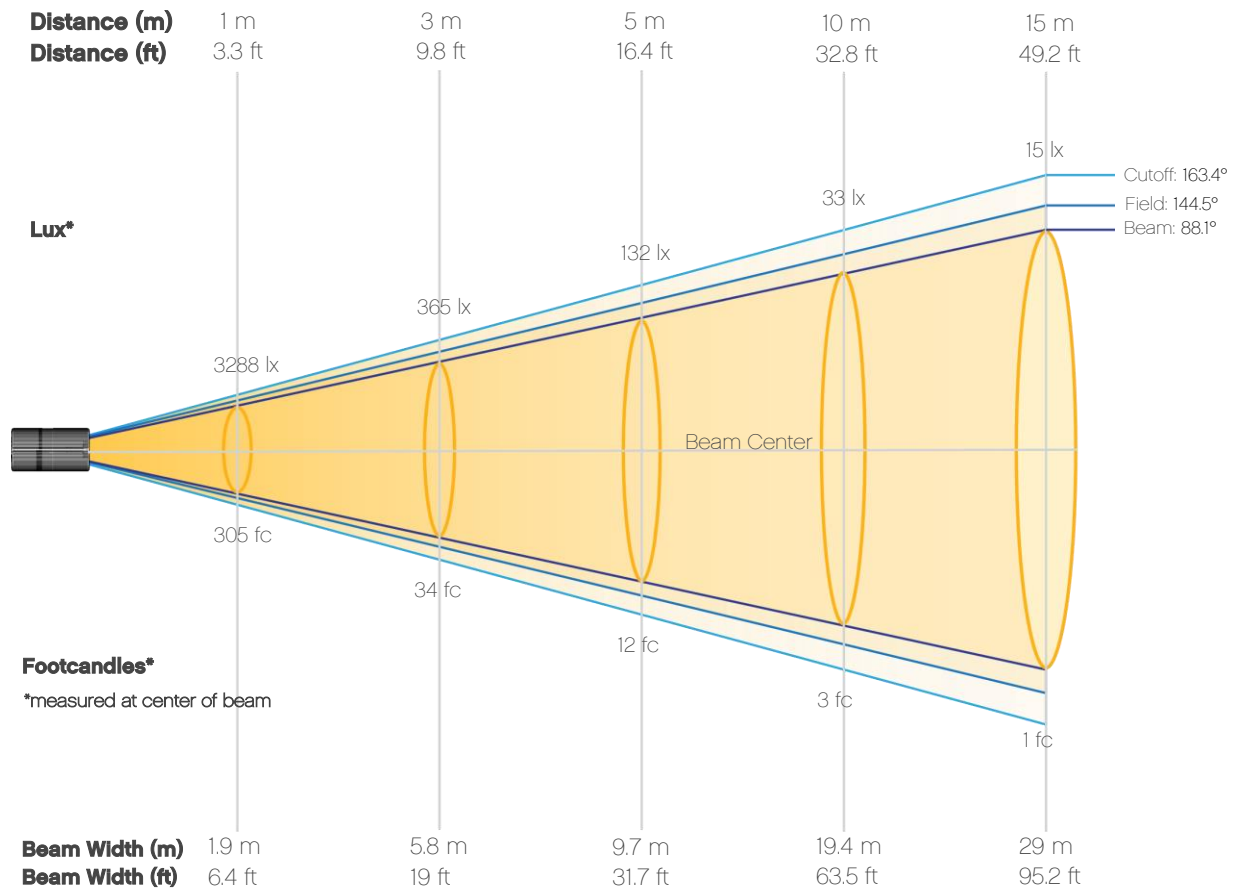
Color Temperature

3234 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 3200K

## Beam Details

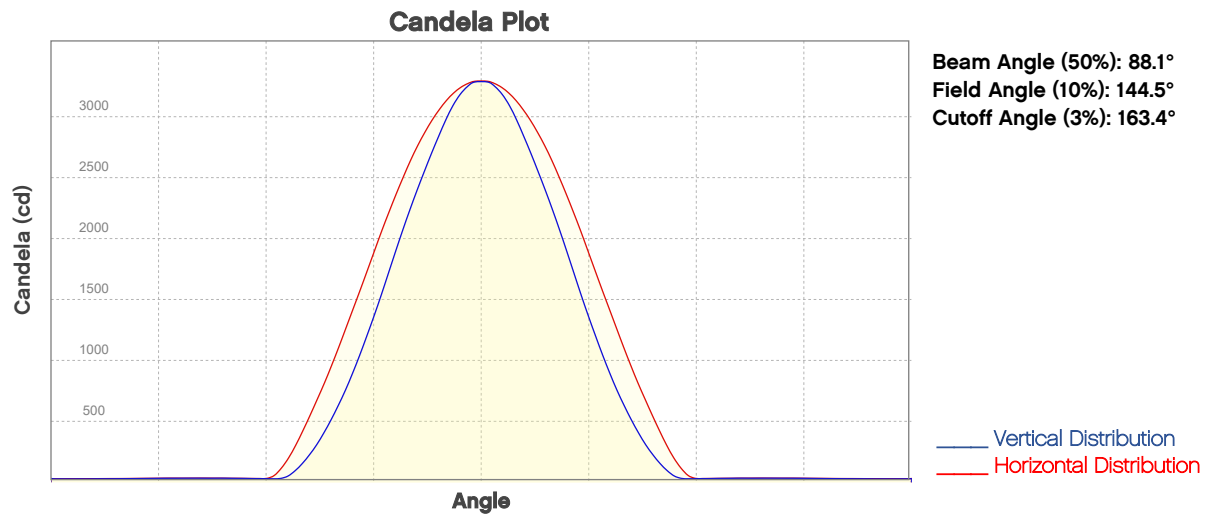


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	3288	822	365	206	132	91	67	51	41	33
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	27	23	19	17	15	13	11	10	9	8
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	305	76	34	19	12	8	6	5	4	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	3	2	2	2	1	1	1	1	1	1

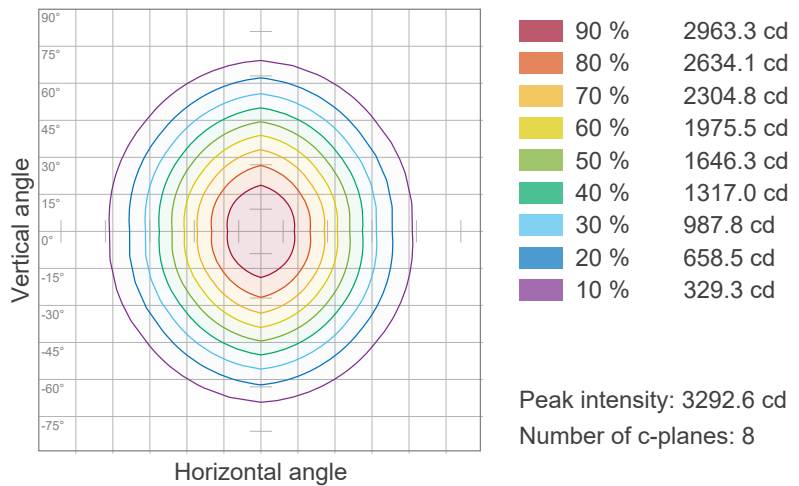
# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 3200K

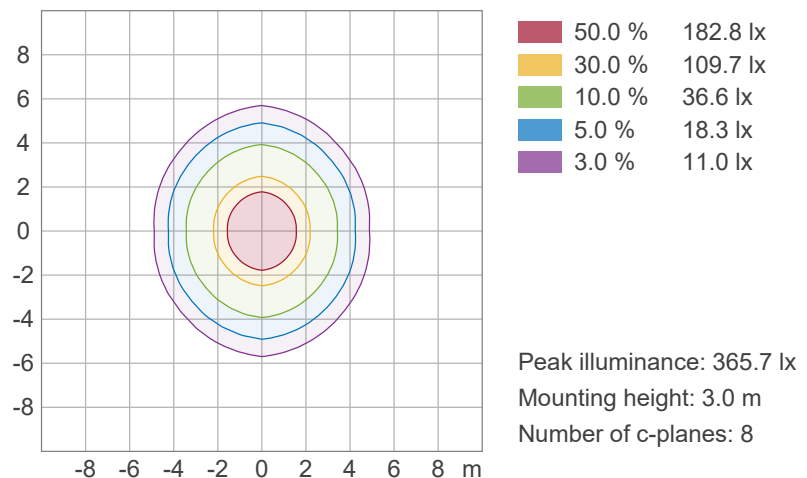


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

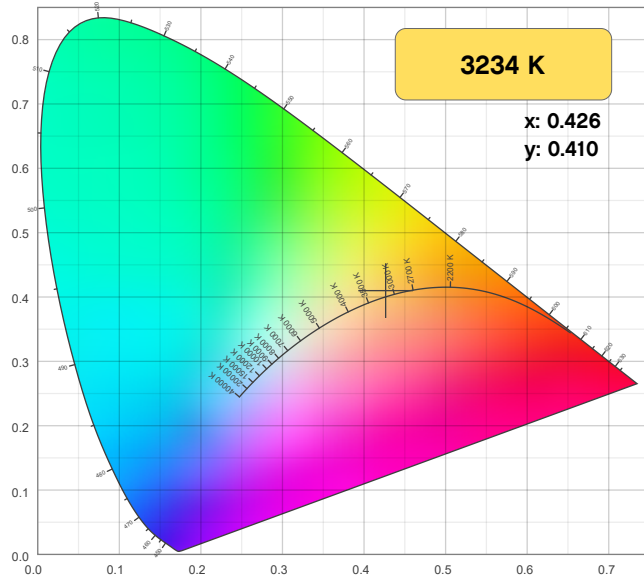


# Photometric & Chromaticity Report

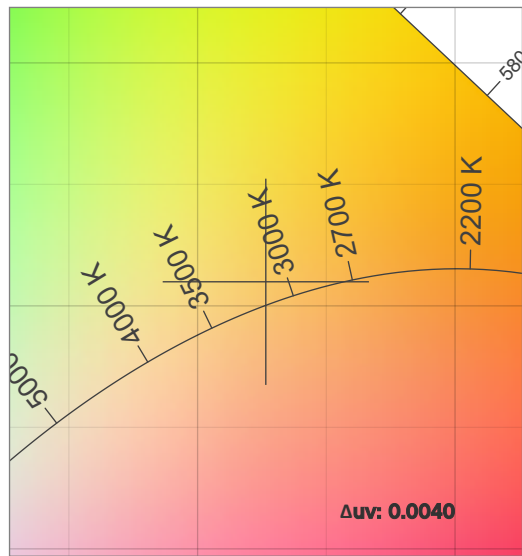
onAir Panel 3 IP: Light Filter - 3200K

## Chromaticity

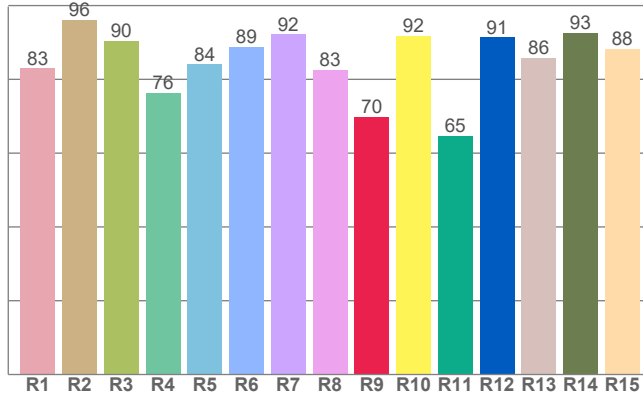
CIE 1931



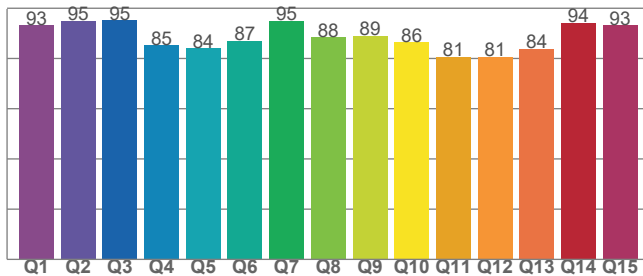
CIE 1931 - Zoom



CRI: 86.7 (R1-R8)



CQS: 87.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3234 K	0.426	0.410

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0040	0.410	0.241

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
86.7	69.8	87.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
76	89.5	104.8



# Photometric & Chromaticity Report

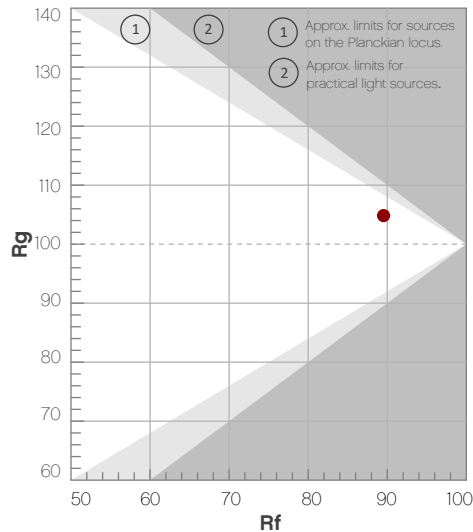
onAir Panel 3 IP: Light Filter - 3200K

## TM-30 Details

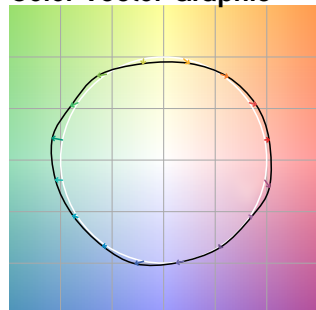
**Rf 89.5**  
Fidelity Index  
(Rg)

**Rg 104.8**  
Gammut Index  
(Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	4%	-1%
2	88	4%	-5%
3	85	2%	-7%
4	90	-3%	-6%
5	92	-4%	1%
6	88	3%	8%
7	87	4%	6%
8	84	10%	0%
9	89	7%	-2%
10	90	3%	-4%
11	93	2%	-3%
12	88	4%	-7%
13	91	0%	-7%
14	92	1%	-2%
15	91	1%	2%
16	89	6%	-5%



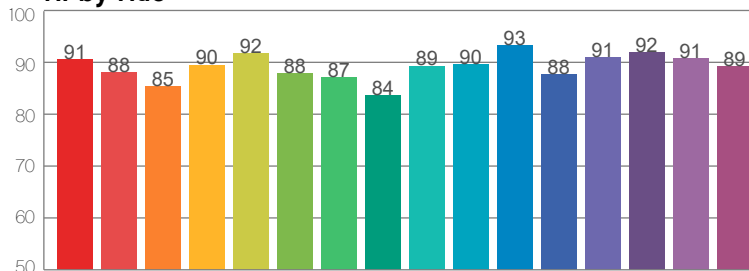
Color Vector Graphic



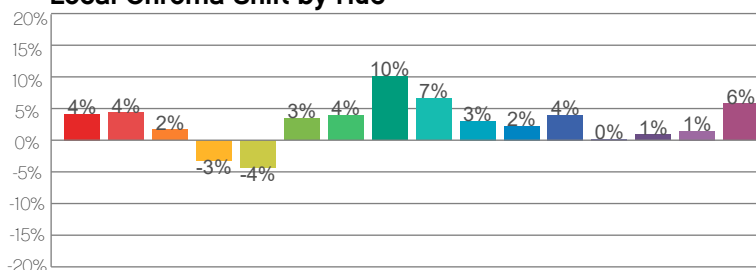
Color Distortion Graphic



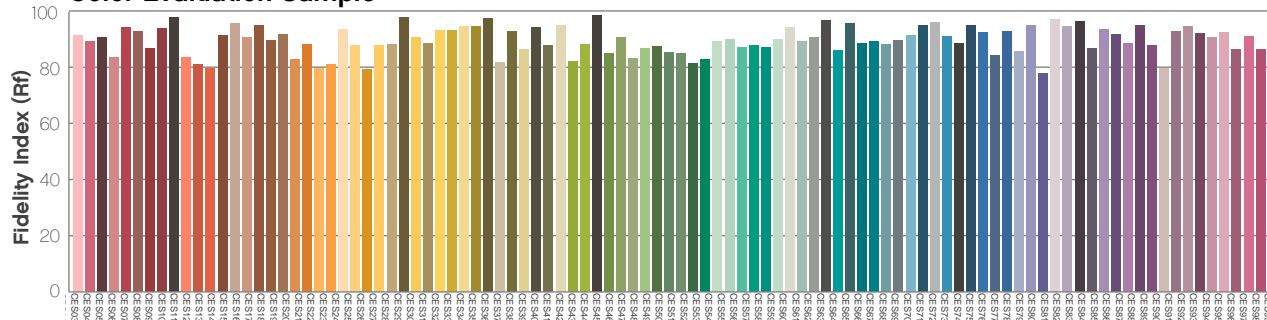
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 4000K

## Report Summary

### Measurements

Fixture Output: 6871 lm  
Fixture Peak: 3213 cd  
Fixture Efficacy: 52 lm/W  
Intensity @ 5m: 128 lux  
Color Temperature: 4010 K  
CRI: 93.4      CRI R9 Value: 91.3  
CQS: 92.5  
TLCI: 85  
TM-30 Rf: 91.5  
TM-30 Rg: 102.7  
Beam Angle (50%): 88.3°  
Field Angle (10%): 144.6°  
Cutoff Angle (3%): 163.4°

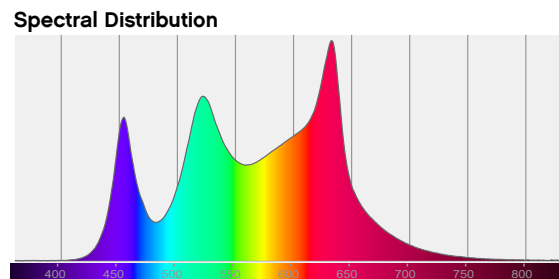
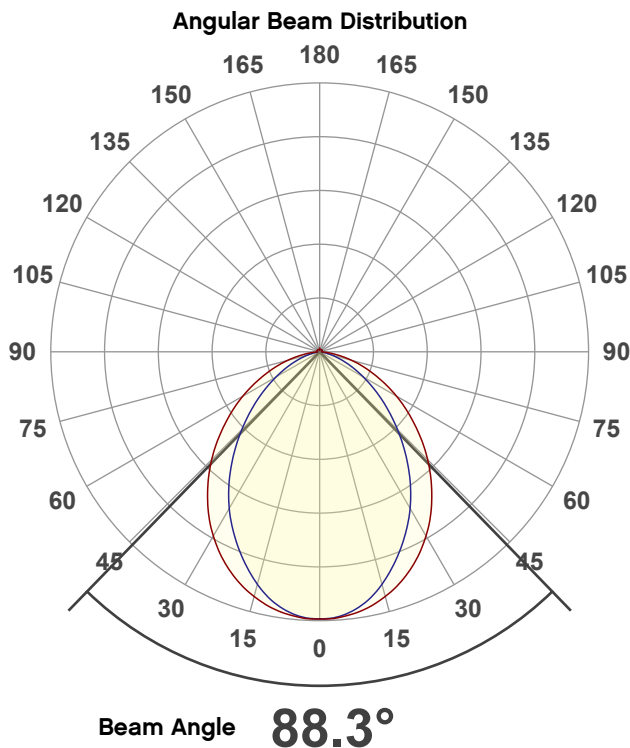
### Conditions

AC Supply: 119 V, 60 Hz  
Power: 133.78 W  
Current: 1.12 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 6/12/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.385

Y: 0.393



**Light Quality**

CRI: 93.4



**Color Temperature**

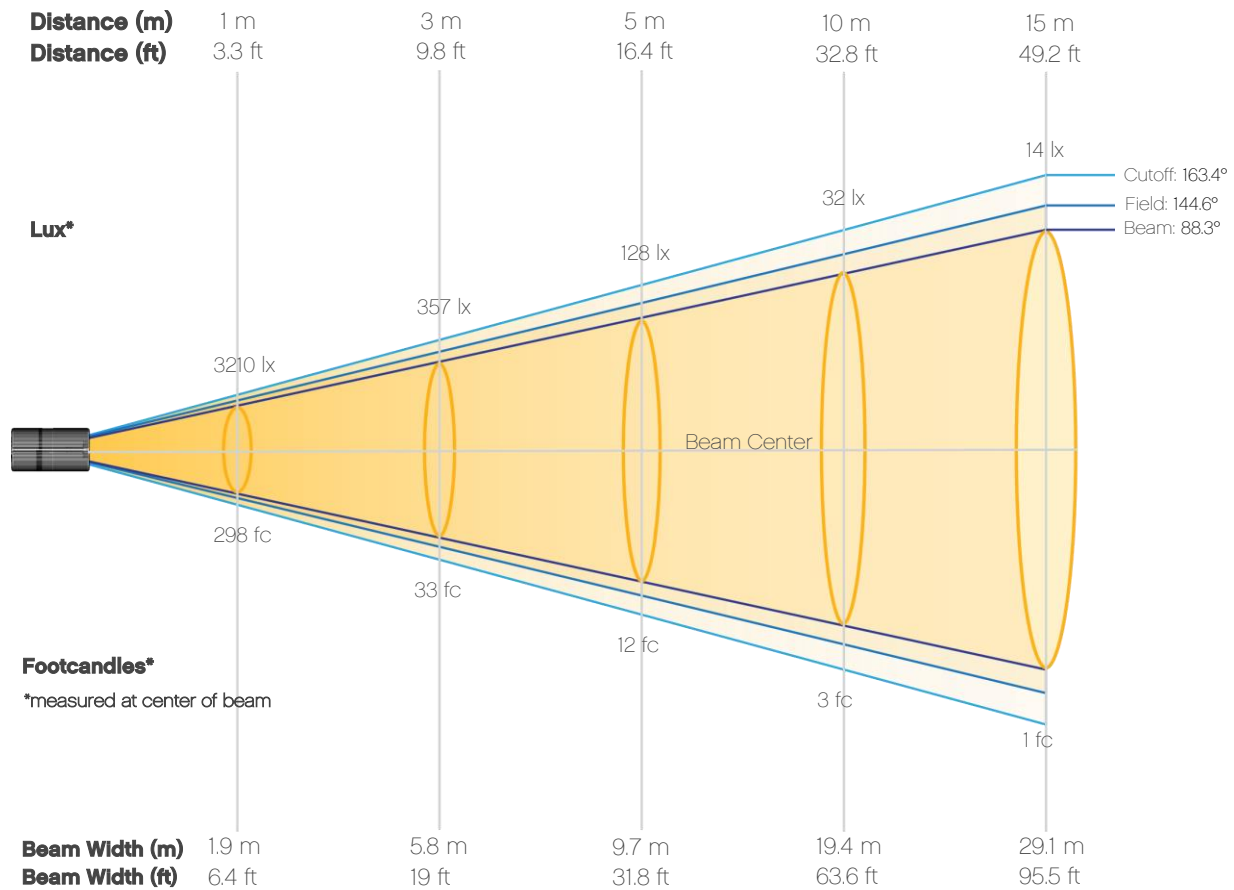
4010 K



# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 4000K

## Beam Details

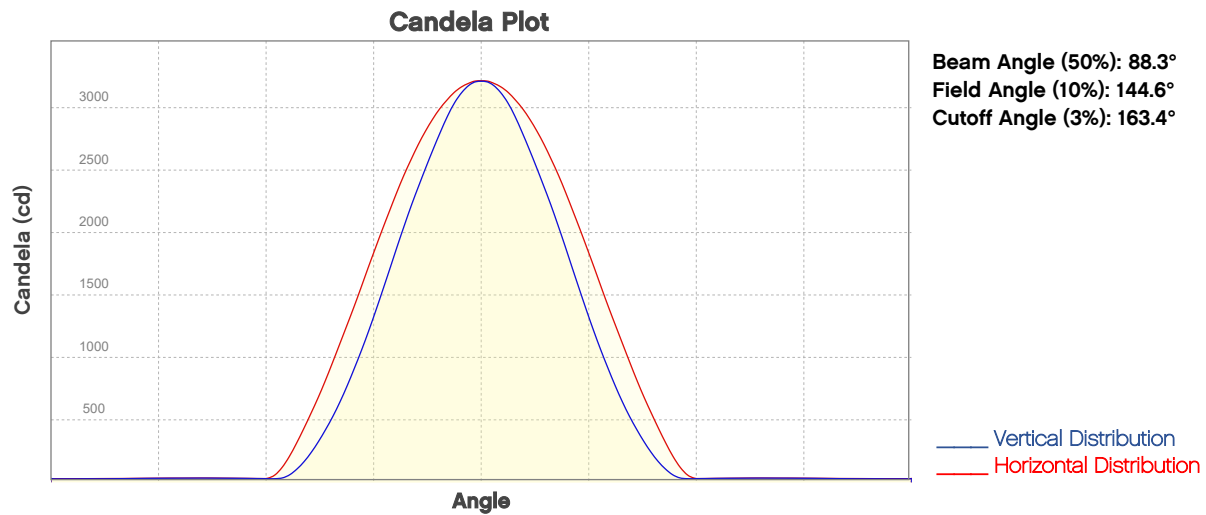


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	3210	802	357	201	128	89	66	50	40	32
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	27	22	19	16	14	13	11	10	9	8
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	298	75	33	19	12	8	6	5	4	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	2	2	2	1	1	1	1	1	1

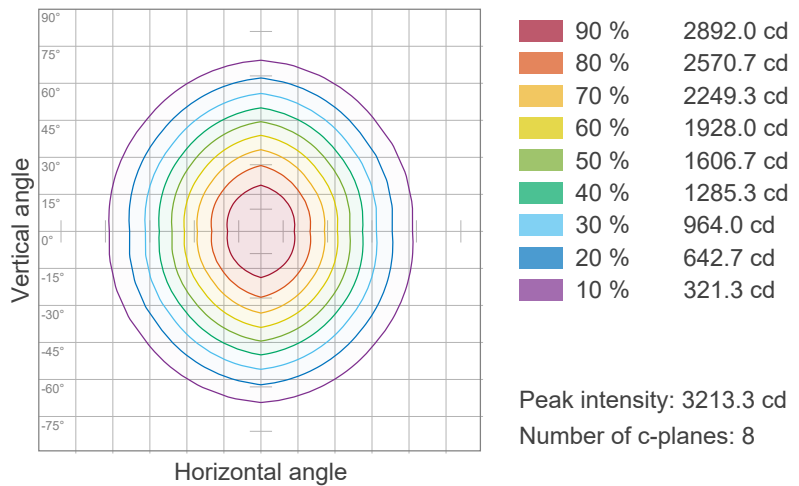
# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 4000K

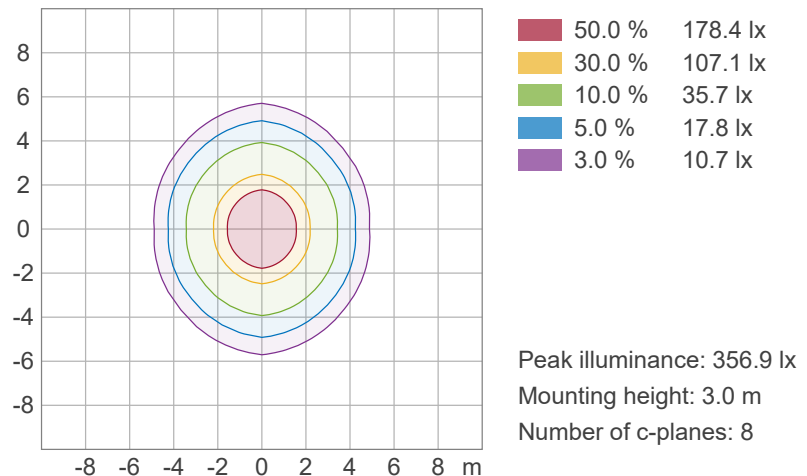


## ISO Diagrams

### ISO Candela Diagram



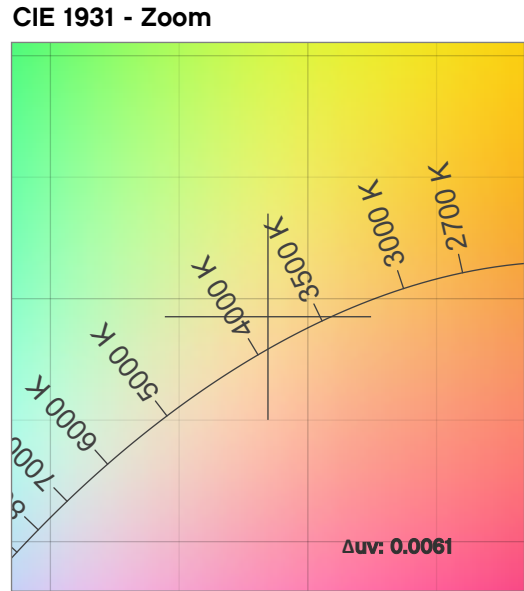
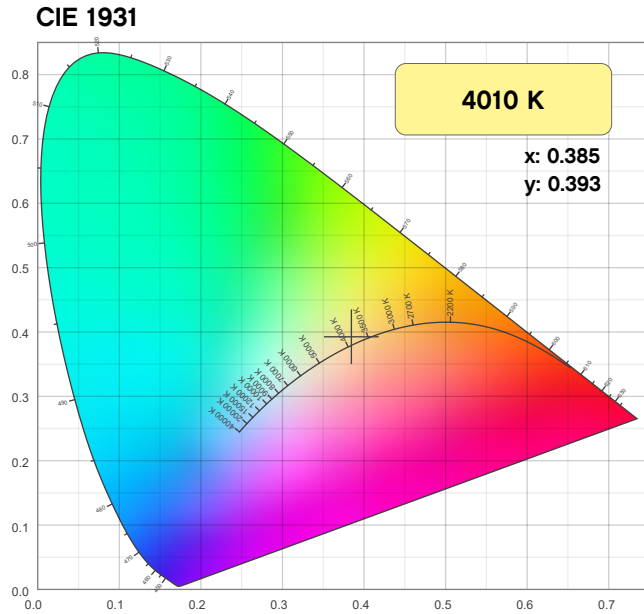
### ISO Lux Diagram



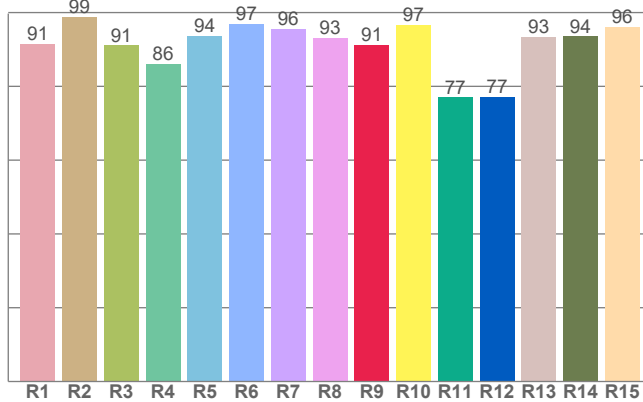
# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 4000K

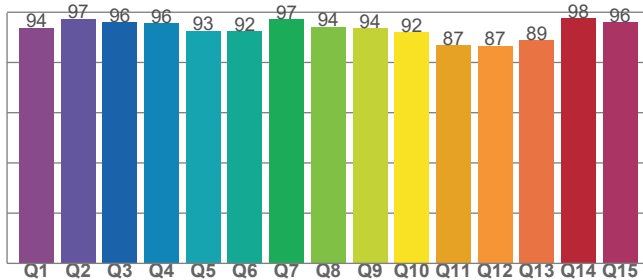
## Chromaticity



**CRI: 93.4 (R1-R8)**



**CQS: 92.5**



**Color Parameters**

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4010 K	0.385	0.393

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0061	0.393	0.222

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.4	91.3	92.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
85	91.5	102.7

# Photometric & Chromaticity Report

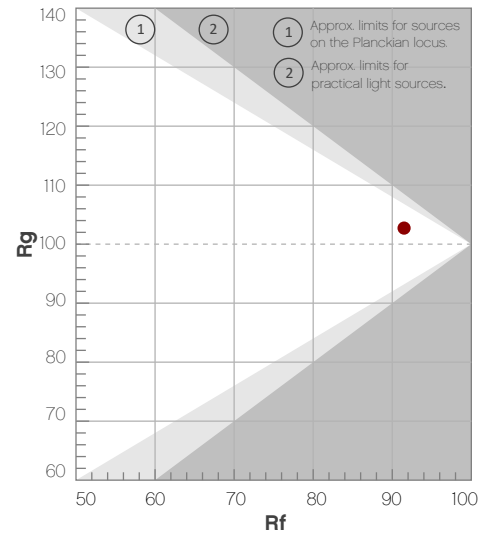
onAir Panel 3 IP: Light Filter - 4000K

## TM-30 Details

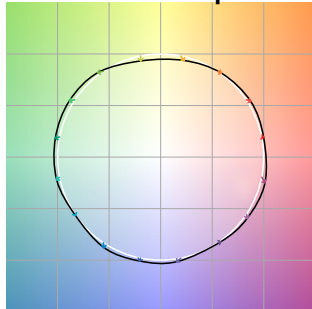
**Rf 91.5**  
Fidelity Index  
(Rg)

**Rg 102.7**  
Gammut Index  
(Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	92	3%	-3%
3	91	0%	-4%
4	91	-4%	-4%
5	91	-5%	1%
6	92	2%	5%
7	89	4%	4%
8	89	4%	2%
9	93	3%	2%
10	95	0%	1%
11	91	4%	3%
12	90	3%	-1%
13	92	3%	-5%
14	94	1%	3%
15	90	3%	-3%
16	88	4%	-5%



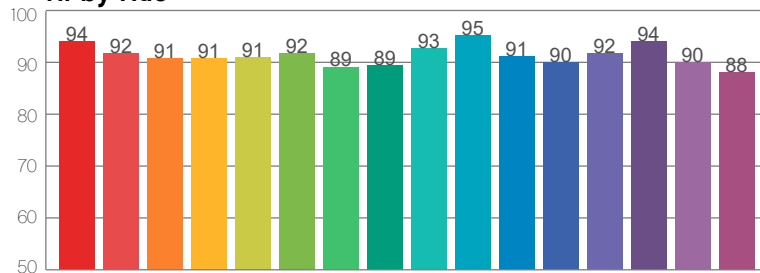
Color Vector Graphic



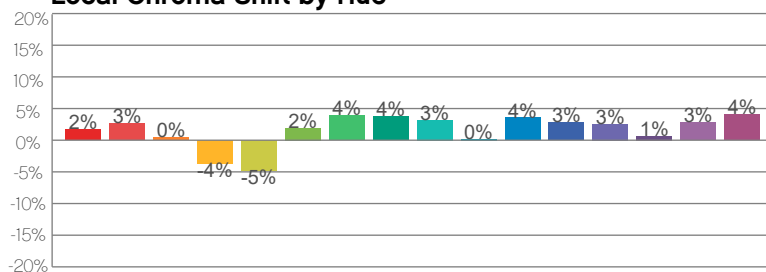
Color Distortion Graphic



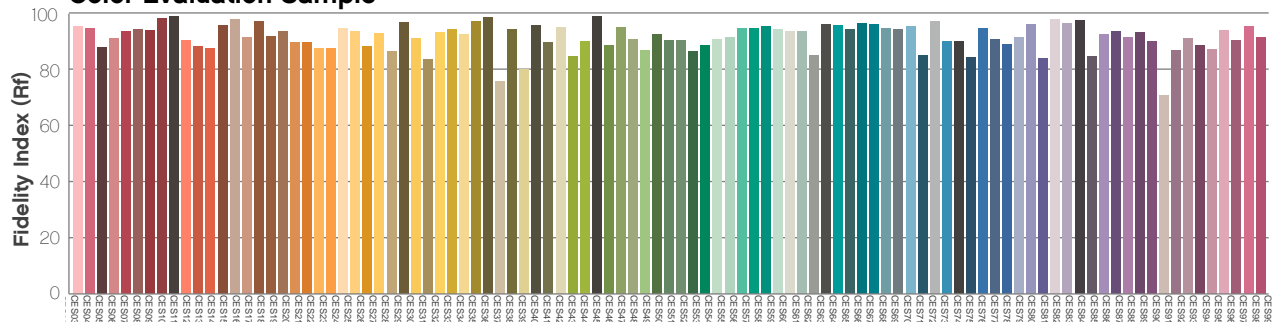
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 5600K

## Report Summary

### Measurements

Fixture Output: 7617 lm  
Fixture Peak: 3554 cd  
Fixture Efficacy: 48 lm/W  
Intensity @ 5m: 142 lux  
Color Temperature: 5661 K  
CRI: 92.7      CRI R9 Value: 81.4  
CQS: 92.8  
TLCI: 87  
TM-30 Rf: 90.8  
TM-30 Rg: 104.1  
Beam Angle (50%): 88.4°  
Field Angle (10%): 144.8°  
Cutoff Angle (3%): 163.4°

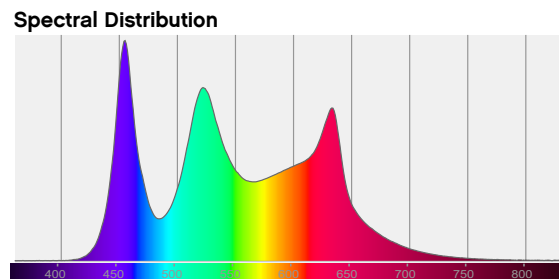
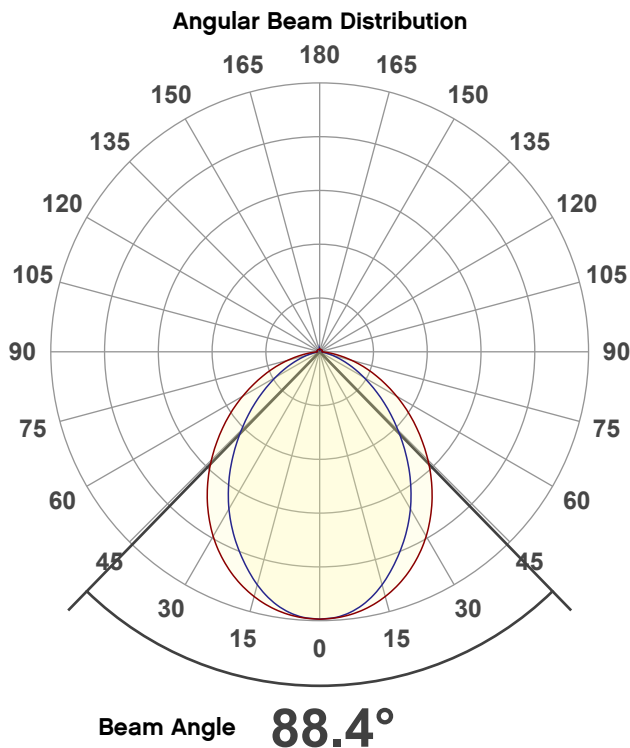
### Conditions

AC Supply: 119 V, 60 Hz  
Power: 159.05 W  
Current: 1.33 A  
Power Factor: 1.0



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 6/12/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.329

Y: 0.354



**Light Quality**

CRI: 92.7

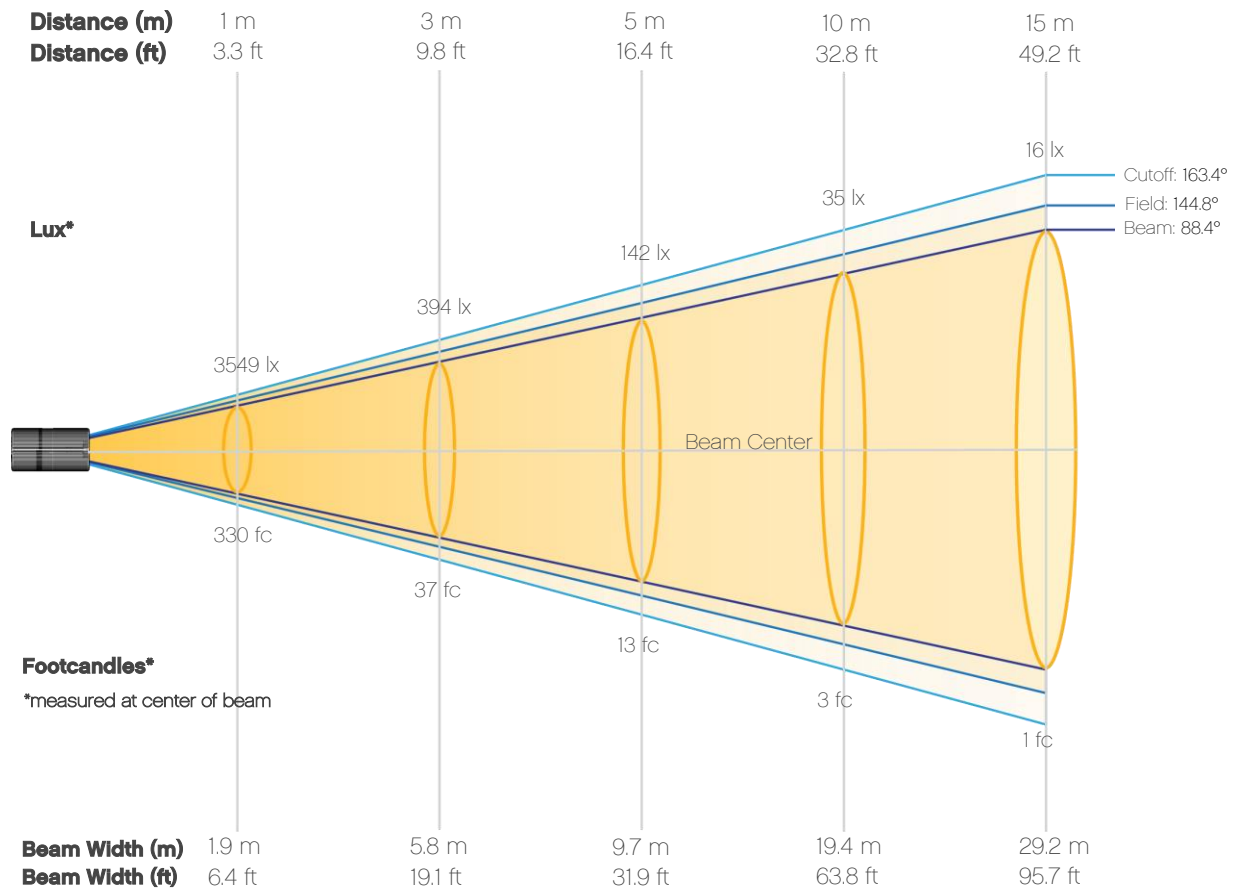
**Color Temperature**

5661 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 5600K

## Beam Details



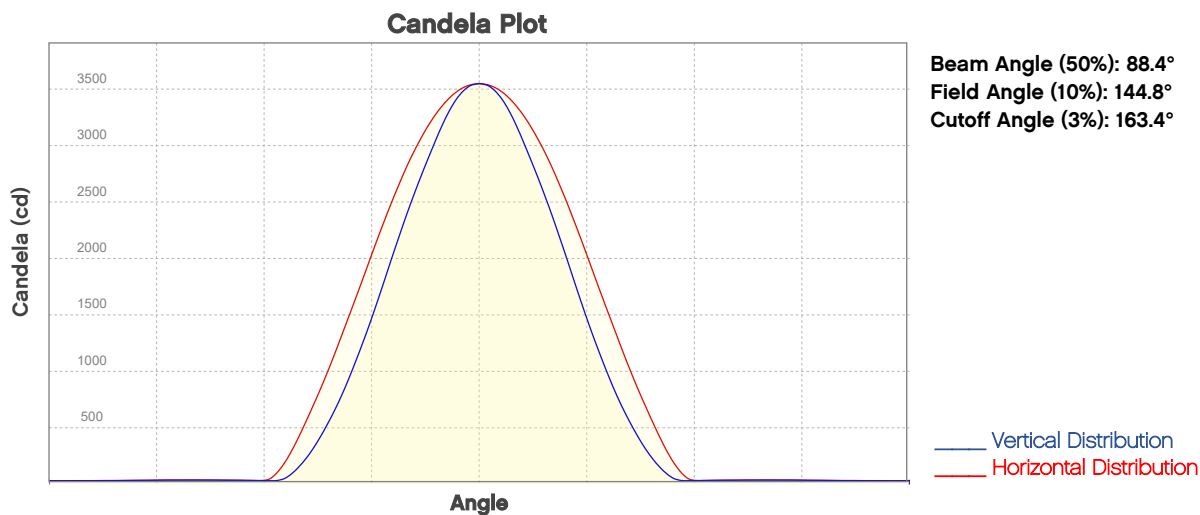
### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	3549	887	394	222	142	99	72	55	44	35
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	29	25	21	18	16	14	12	11	10	9
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	330	82	37	21	13	9	7	5	4	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	3	2	2	2	1	1	1	1	1	1



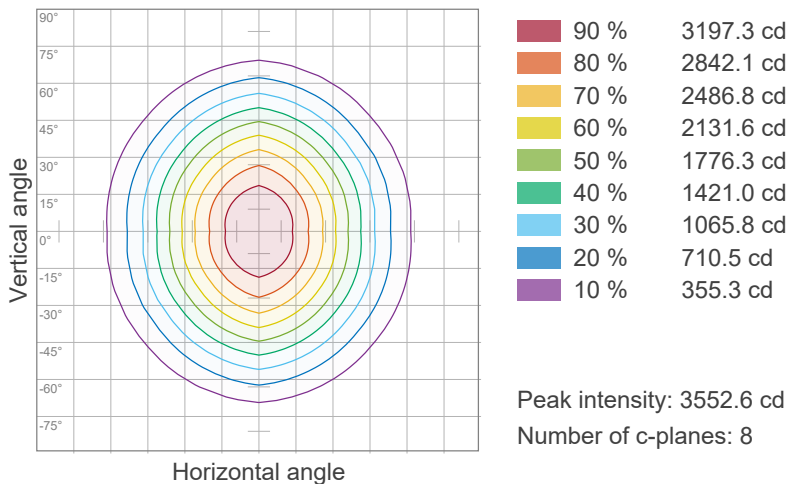
# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 5600K

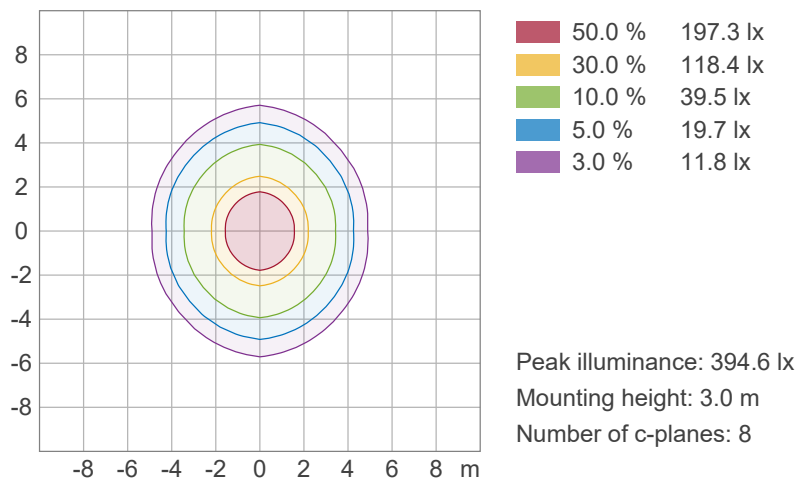


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

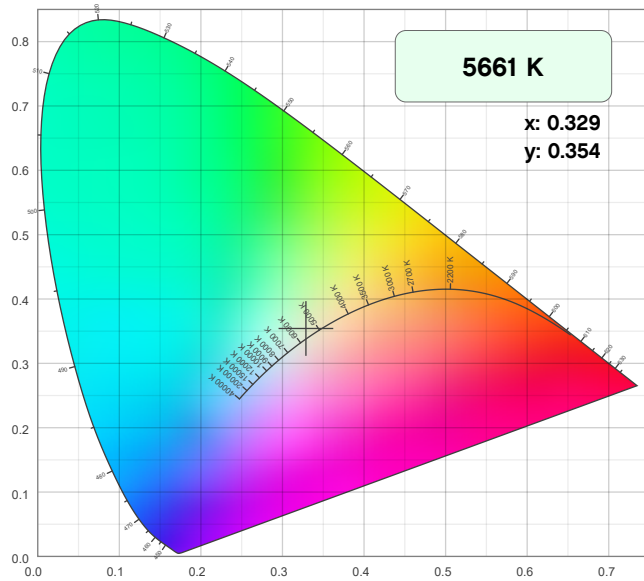


# Photometric & Chromaticity Report

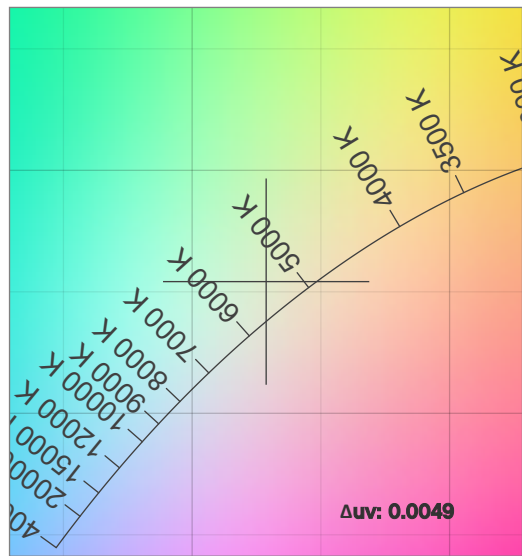
onAir Panel 3 IP: Light Filter - 5600K

## Chromaticity

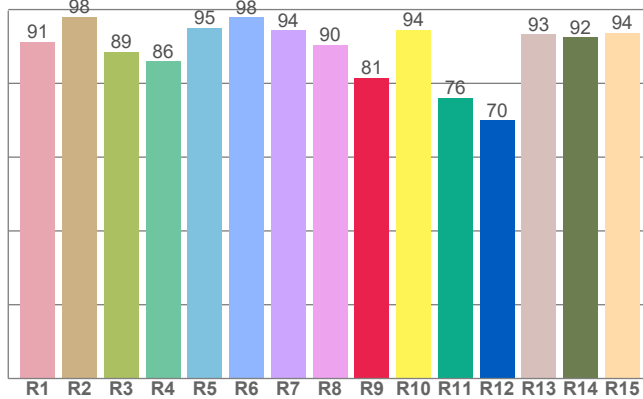
CIE 1931



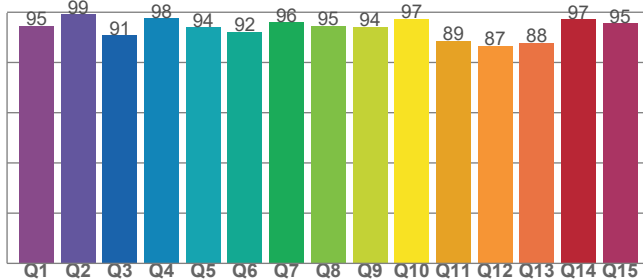
CIE 1931 - Zoom



CRI: 92.7 (R1-R8)



CQS: 92.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5661 K	0.329	0.354

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0049	0.354	0.199

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.7	81.4	92.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
87	90.8	104.1

# Photometric & Chromaticity Report

onAir Panel 3 IP: Light Filter - 5600K

## TM-30 Details

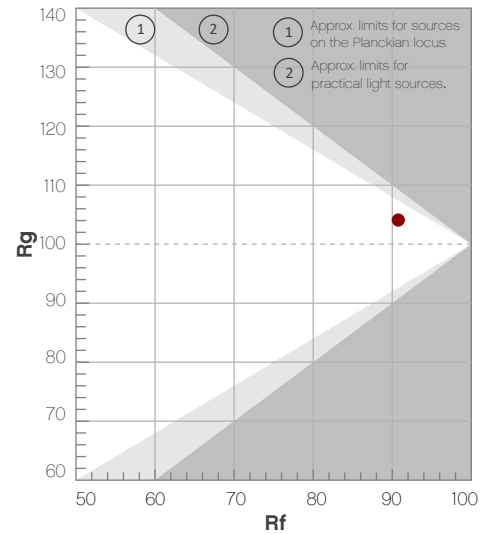
**Rf 90.8**

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

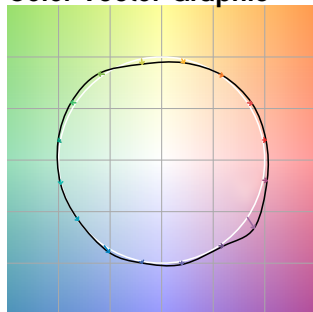
**Rg 104.1**

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

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	92	3%	-1%
2	92	3%	-3%
3	90	1%	-4%
4	92	-3%	-3%
5	90	-5%	0%
6	91	4%	5%
7	89	4%	2%
8	92	2%	2%
9	93	1%	4%
10	93	0%	3%
11	87	3%	7%
12	95	2%	1%
13	94	3%	-1%
14	91	3%	3%
15	85	11%	-5%
16	92	4%	0%



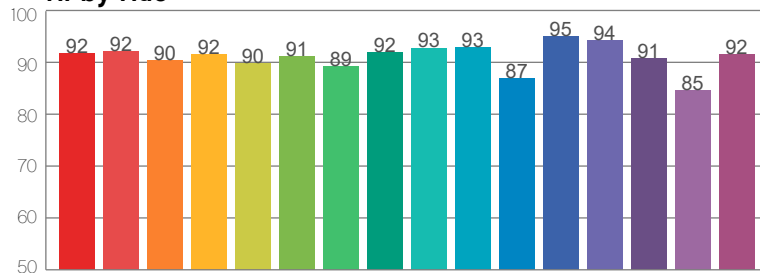
Color Vector Graphic



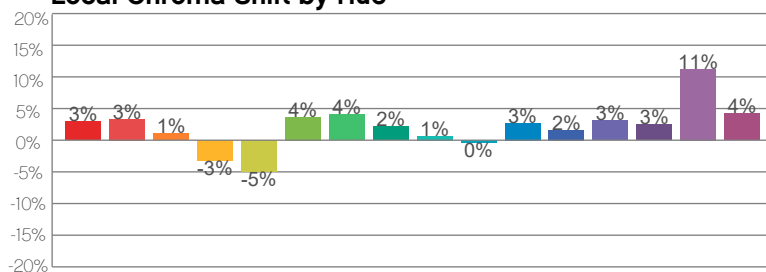
Color Distortion Graphic



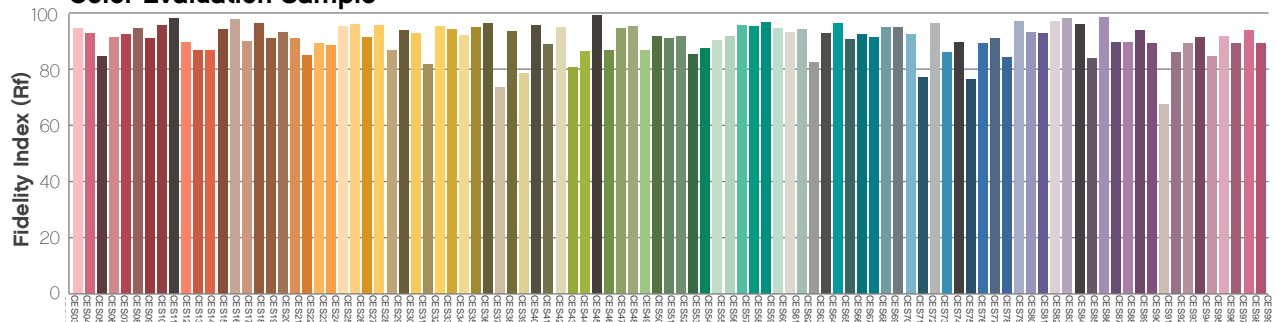
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - Full Power

## Report Summary

### Measurements

Fixture Output: 6311 lm  
Fixture Peak: 2348 cd  
Fixture Efficacy: 39 lm/W  
Intensity @ 5m: 94 lux  
Color Temperature: 5236 K  
CRI: 66.7      CRI R9 Value: -36.1  
CQS: 87.6  
TLCI: 73  
TM-30 Rf: 82.2  
TM-30 Rg: 116.8  
Beam Angle (50%): 106.2°  
Field Angle (10%): 155.3°  
Cutoff Angle (3%): 169.5°

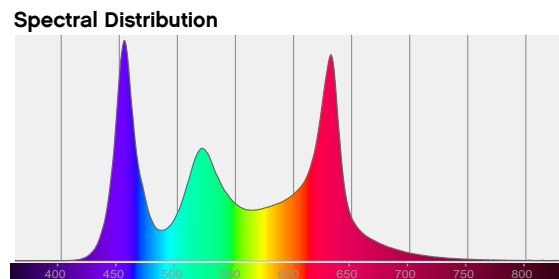
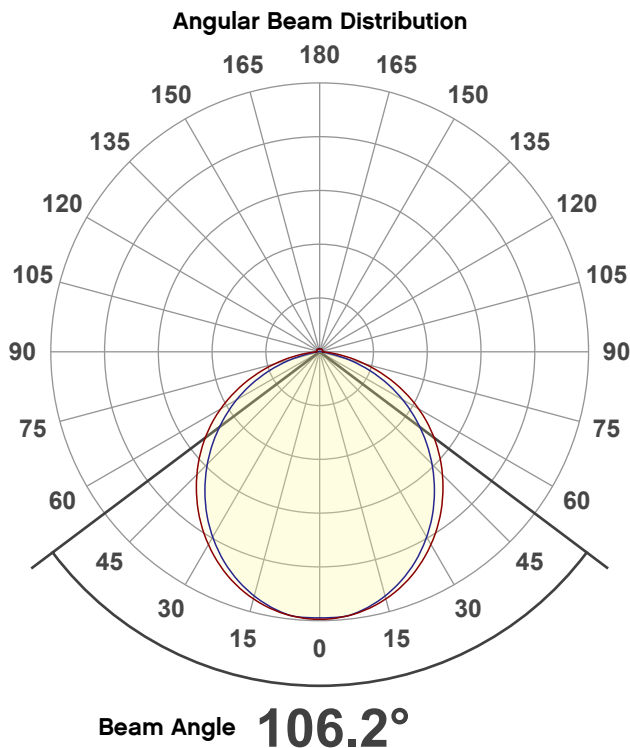
### Conditions

AC Supply: 119 V, 60 Hz  
Power: 164.29 W  
Current: 1.39 A  
Power Factor: 1.0



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 6/12/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.337

Y: 0.307



**Light Quality**

CRI: 66.7

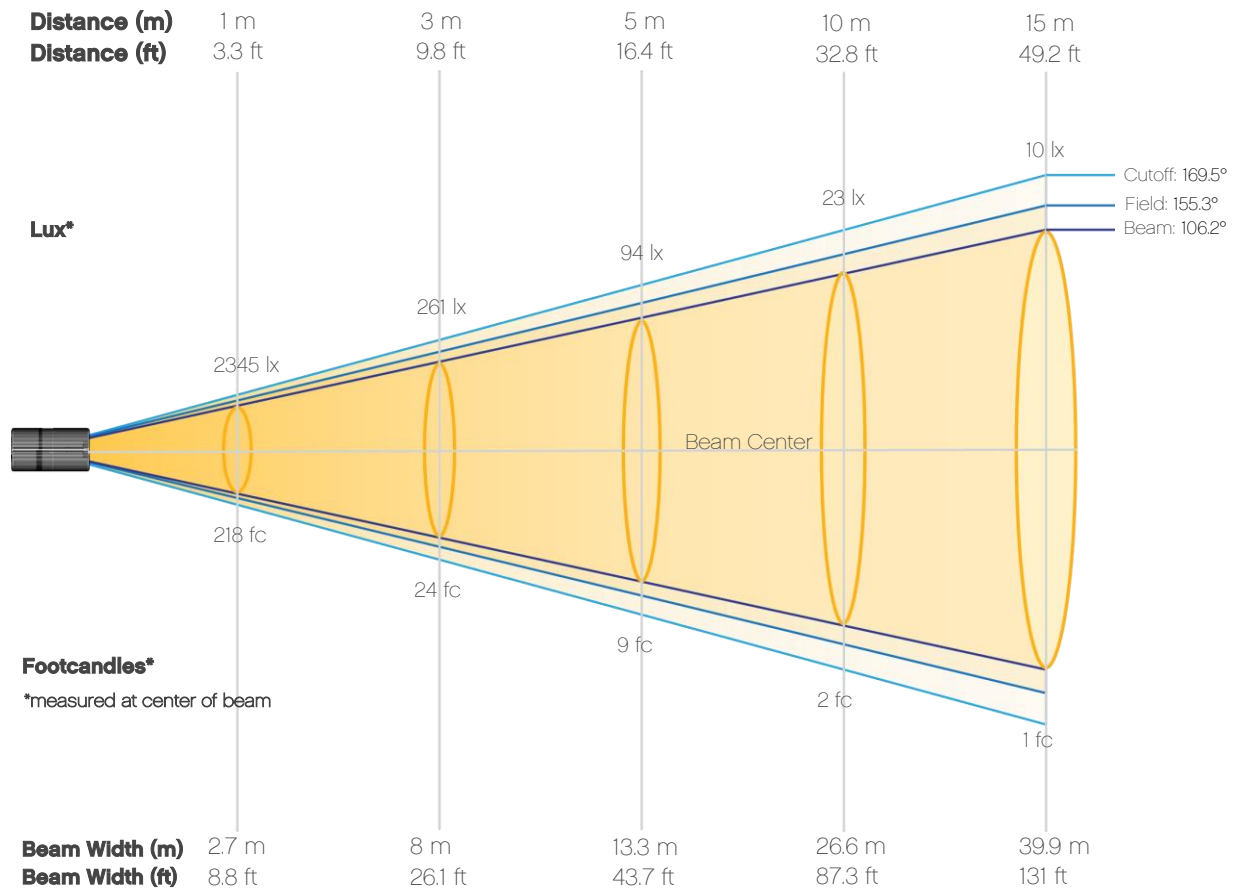
**Color Temperature**

5236 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - Full Power

## Beam Details

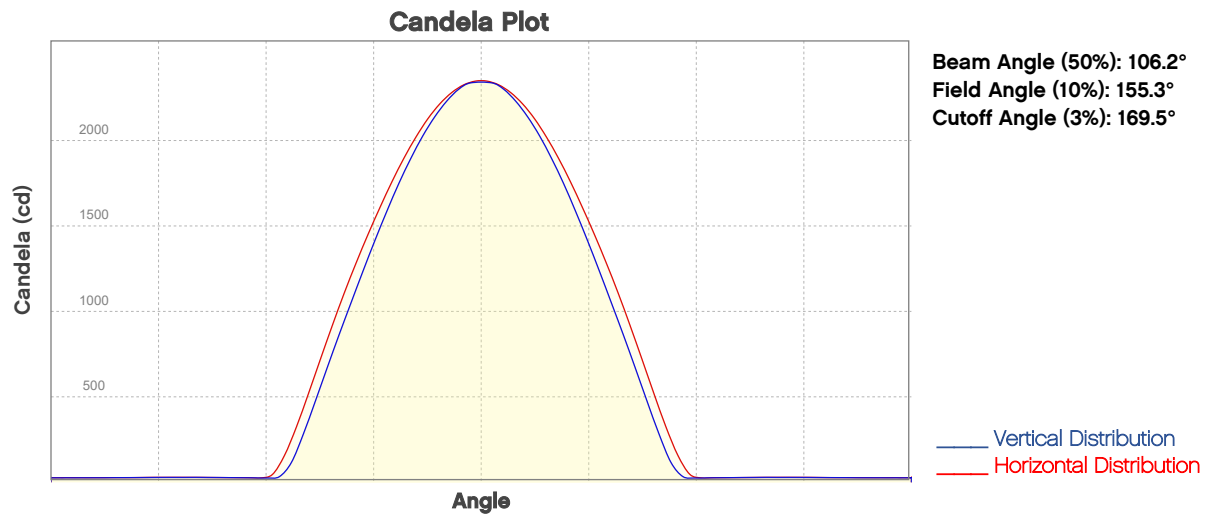


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	2345	586	261	147	94	65	48	37	29	23
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	19	16	14	12	10	9	8	7	6	6
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	218	54	24	14	9	6	4	3	3	2
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	2	1	1	1	1	1	1	1	1

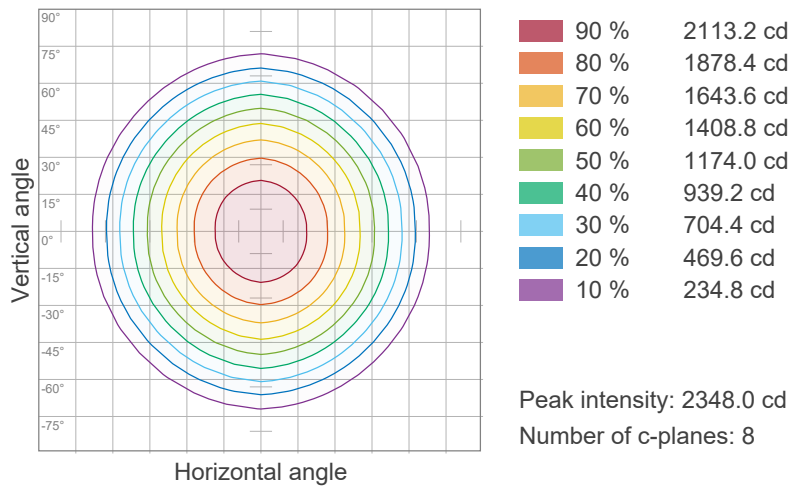
# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - Full Power

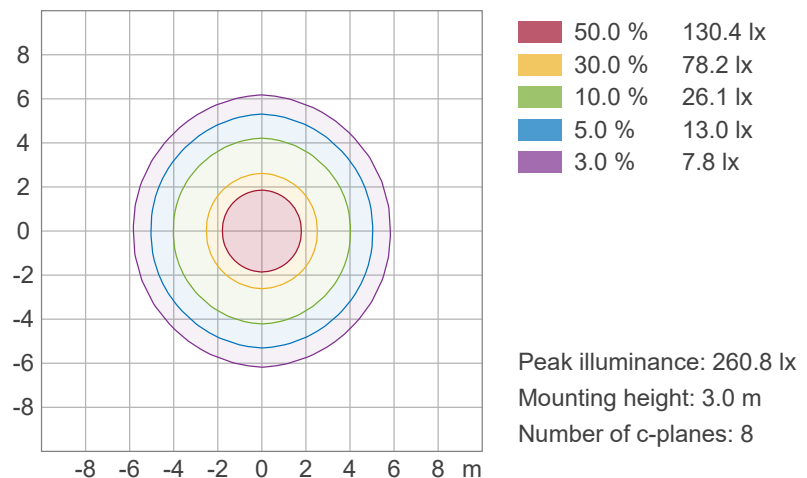


## ISO Diagrams

### ISO Candela Diagram



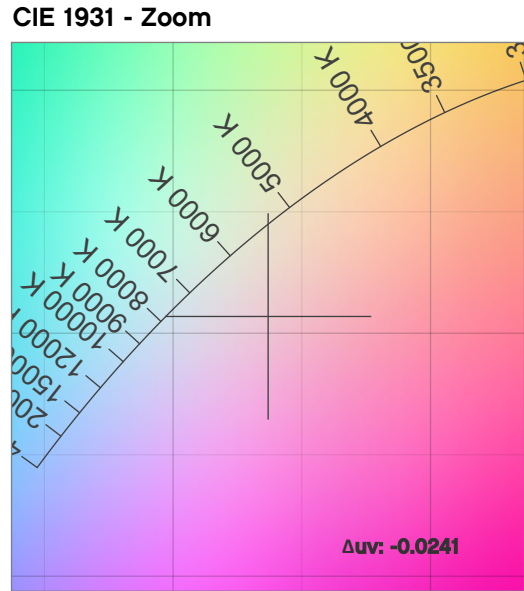
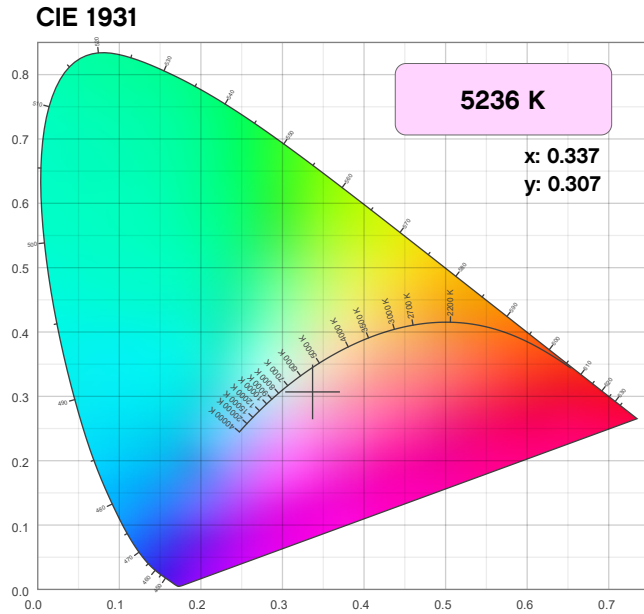
### ISO Lux Diagram



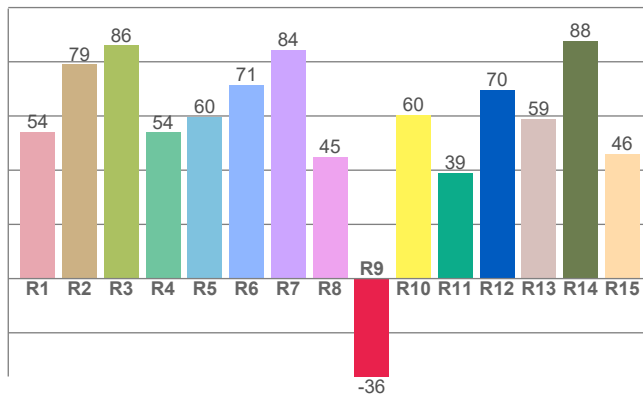
# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - Full Power

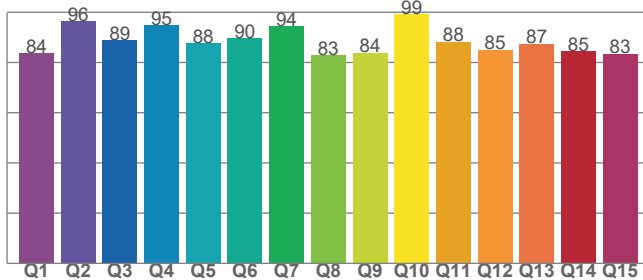
## Chromaticity



**CRI: 66.7 (R1-R8)**



**CQS: 87.6**



**Color Parameters**

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5236 K	0.337	0.307

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0241	0.307	0.224

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
66.7	-36.1	87.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
73	82.2	116.8

# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - Full Power

## TM-30 Details

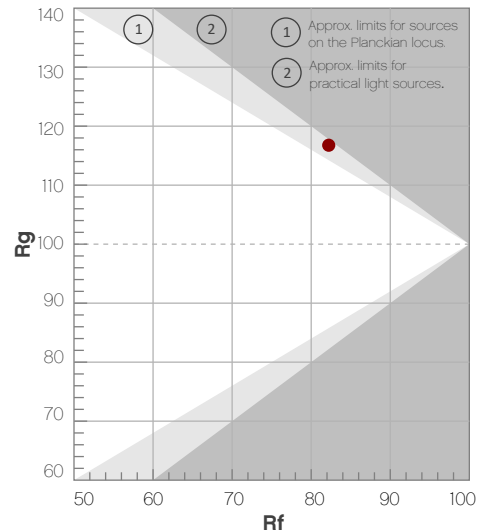
**Rf 82.2**

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

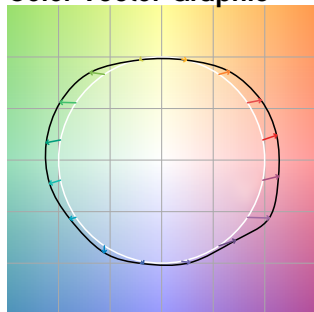
**Rg 116.8**

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

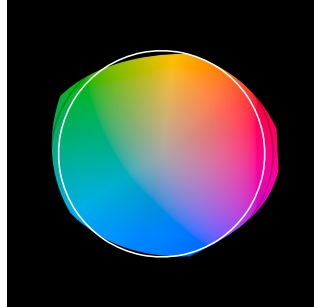
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	72	14%	2%
2	78	12%	-5%
3	78	8%	-7%
4	91	0%	-5%
5	89	-1%	2%
6	80	9%	10%
7	76	13%	8%
8	76	13%	5%
9	86	11%	1%
10	89	6%	-2%
11	88	6%	3%
12	93	2%	2%
13	90	3%	7%
14	73	5%	16%
15	74	18%	11%
16	74	14%	7%



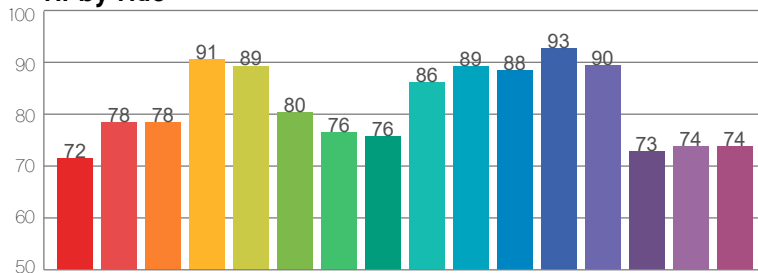
Color Vector Graphic



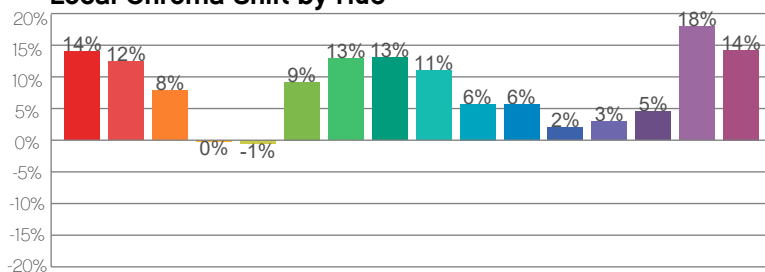
Color Distortion Graphic



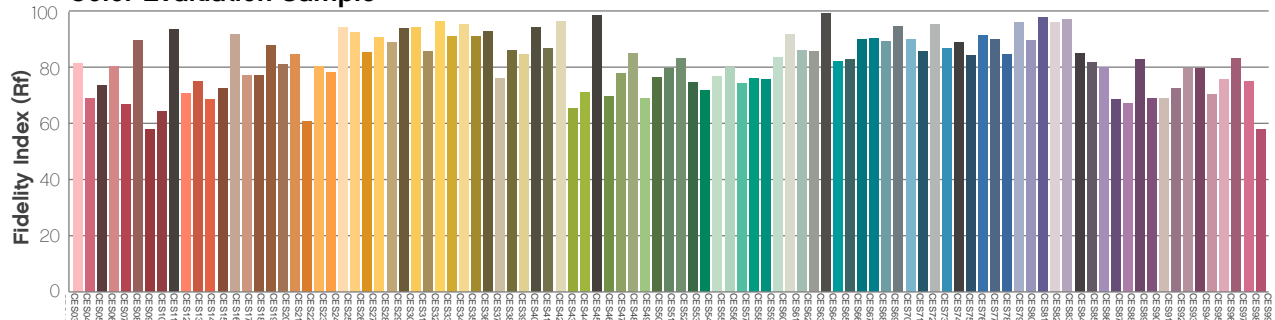
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample





# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 3200K

## Report Summary

### Measurements

Fixture Output: 6227 lm  
Fixture Peak: 2317 cd  
Fixture Efficacy: 45 lm/W  
Intensity @ 5m: 93 lux  
Color Temperature: 3221 K  
CRI: 86.4      CRI R9 Value: 70.4  
CQS: 86.1  
TLCI: 74  
TM-30 Rf: 89.1  
TM-30 Rg: 104.3  
Beam Angle (50%): 106°  
Field Angle (10%): 155.2°  
Cutoff Angle (3%): 169.1°

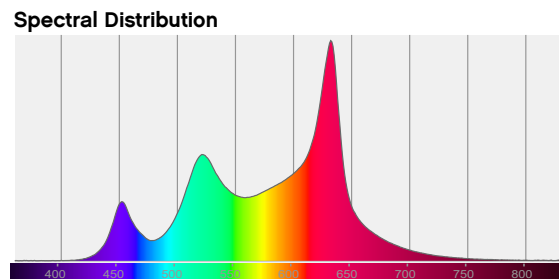
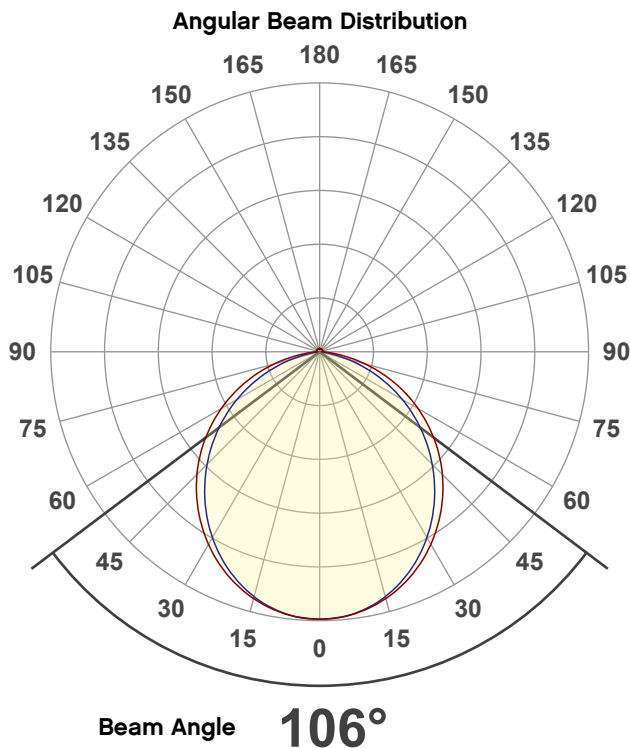
### Conditions

AC Supply: 119 V, 60 Hz  
Power: 138.95 W  
Current: 1.17 A  
Power Factor: 1.0



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 6/12/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.429

Y: 0.414



**Light Quality**

CRI: 86.4

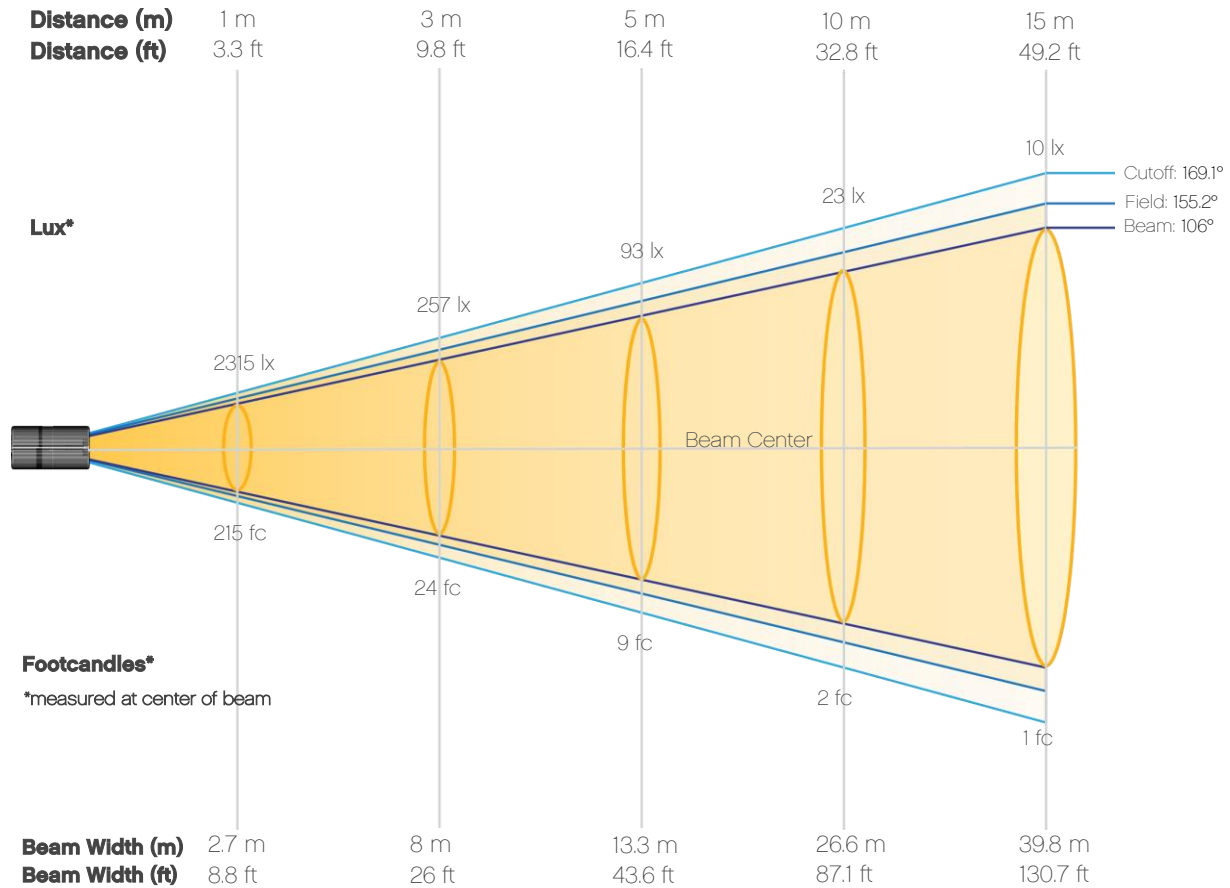
**Color Temperature**

3221 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 3200K

## Beam Details

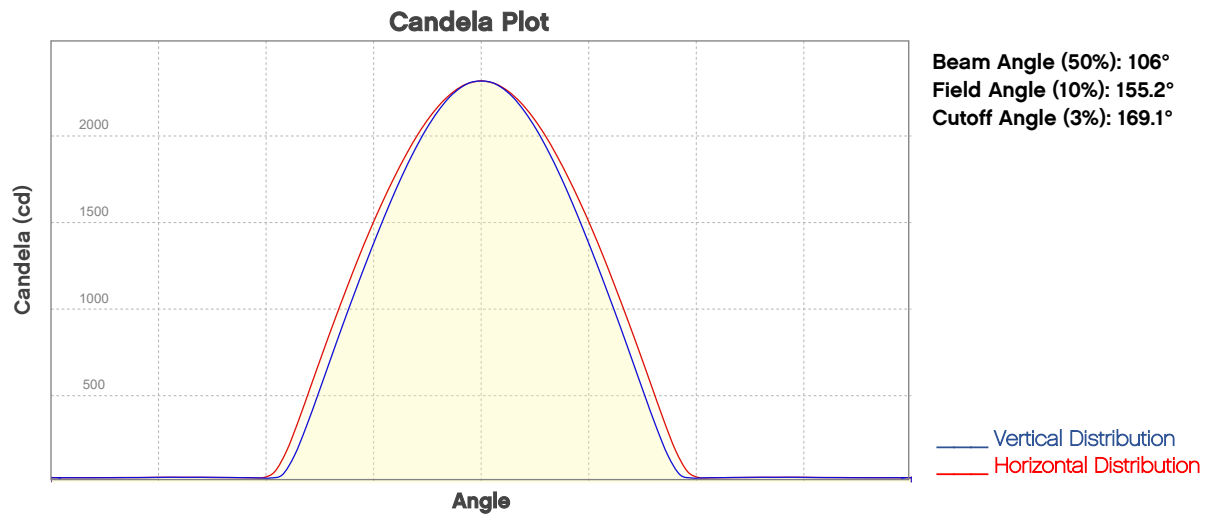


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	2315	579	257	145	93	64	47	36	29	23
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	19	16	14	12	10	9	8	7	6	6
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	215	54	24	13	9	6	4	3	3	2
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	1	1	1	1	1	1	1	1	1

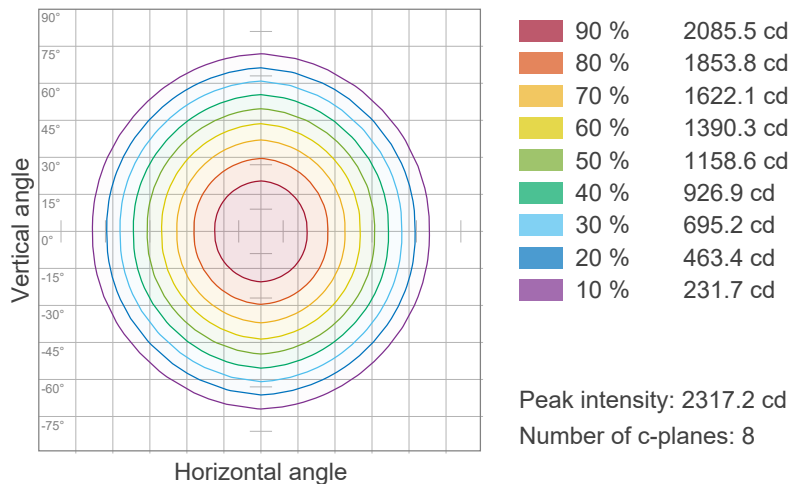
# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 3200K

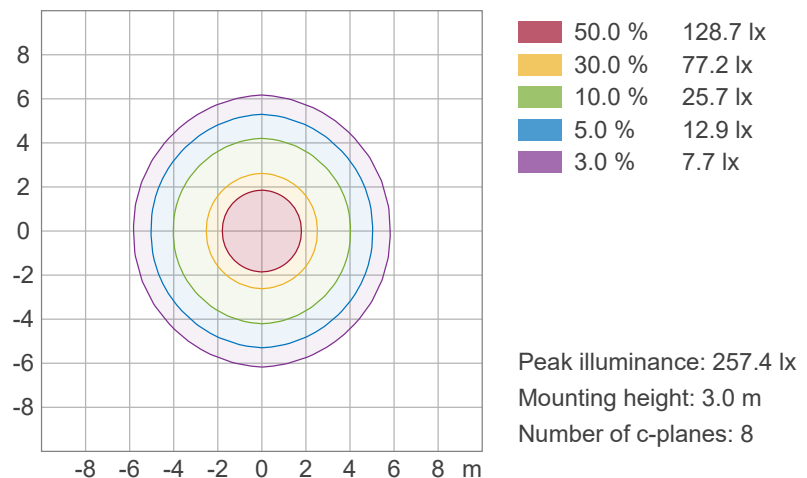


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram





# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 3200K

## TM-30 Details

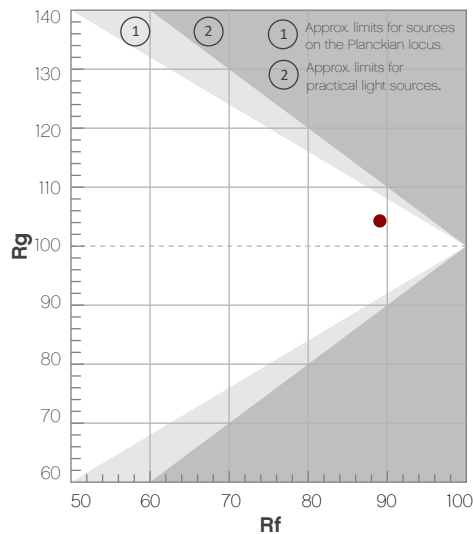
**Rf 89.1**

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

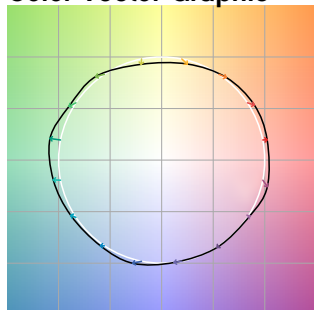
**Rg 104.3**

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

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	4%	-1%
2	88	4%	-5%
3	84	1%	-8%
4	88	-4%	-6%
5	91	-5%	1%
6	87	3%	8%
7	87	4%	7%
8	83	10%	1%
9	89	7%	-2%
10	89	3%	-4%
11	93	2%	-3%
12	87	4%	-8%
13	91	0%	-7%
14	92	0%	-2%
15	91	1%	3%
16	89	6%	-5%



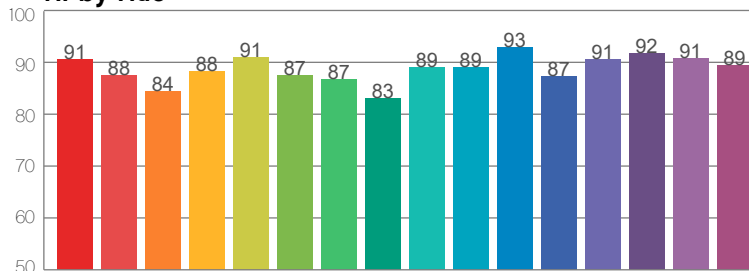
Color Vector Graphic



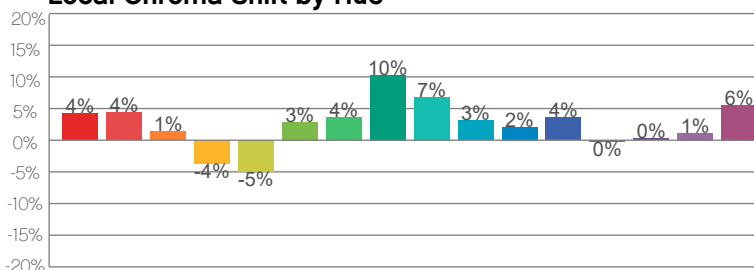
Color Distortion Graphic



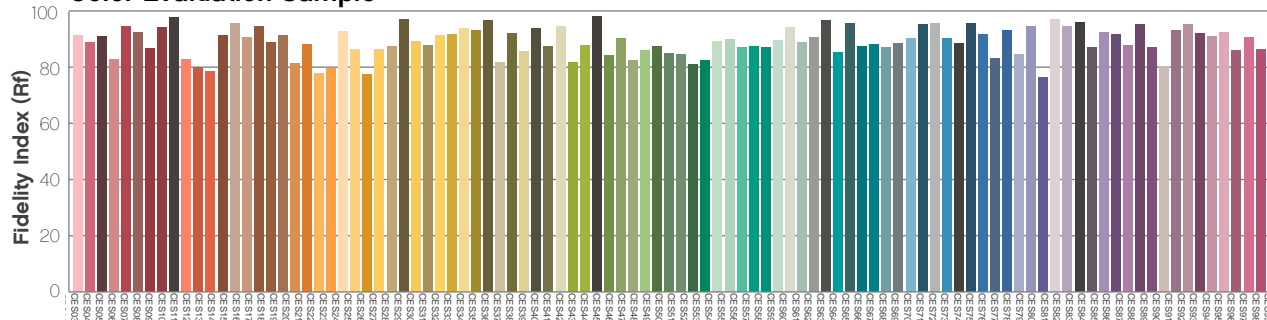
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 4000K

## Report Summary

### Measurements

Fixture Output: 5997 lm  
Fixture Peak: 2236 cd  
Fixture Efficacy: 45 lm/W  
Intensity @ 5m: 89 lux  
Color Temperature: 3975 K  
CRI: 93.1      CRI R9 Value: 91.1  
CQS: 92.3  
TLCI: 84  
TM-30 Rf: 91.4  
TM-30 Rg: 102.8  
Beam Angle (50%): 106°  
Field Angle (10%): 155.1°  
Cutoff Angle (3%): 169.4°

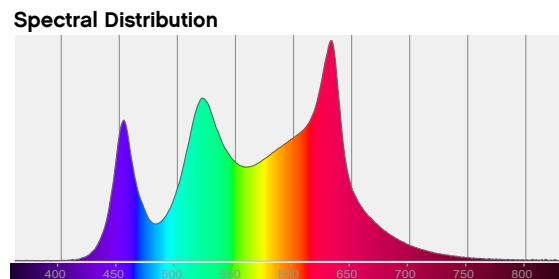
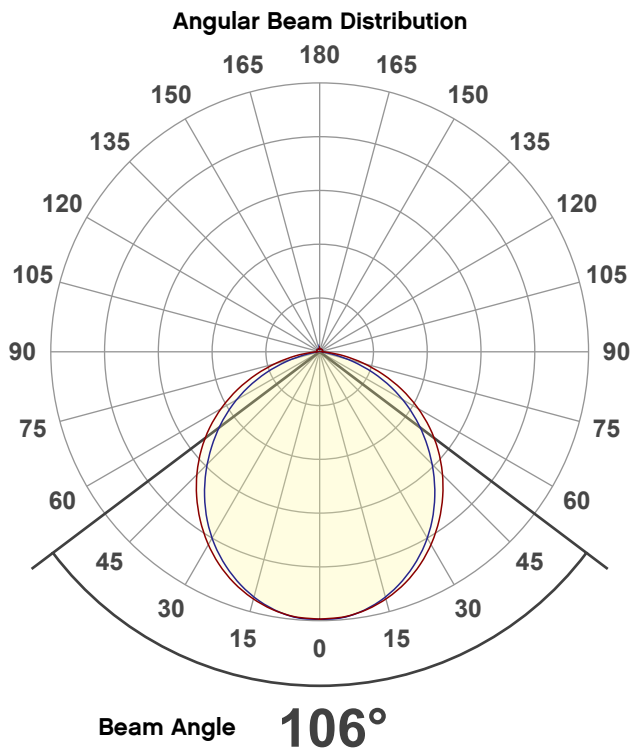
### Conditions

AC Supply: 119 V, 60.1 Hz  
Power: 135.22 W  
Current: 1.14 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 6/12/2023 to LM-63-2002 Standards.

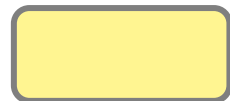
## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.386

Y: 0.393



**Light Quality**

CRI: 93.1



**Color Temperature**

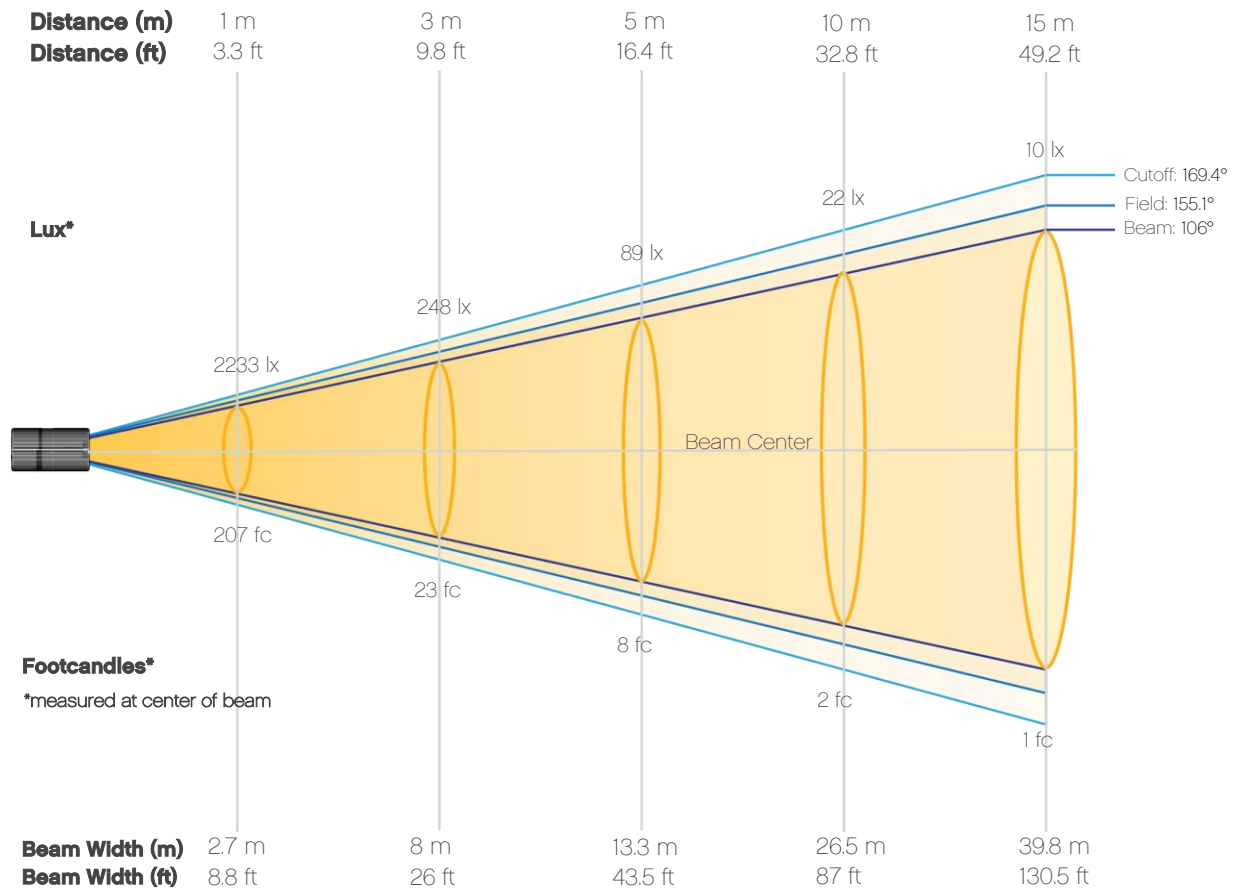
3975 K



# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 4000K

## Beam Details

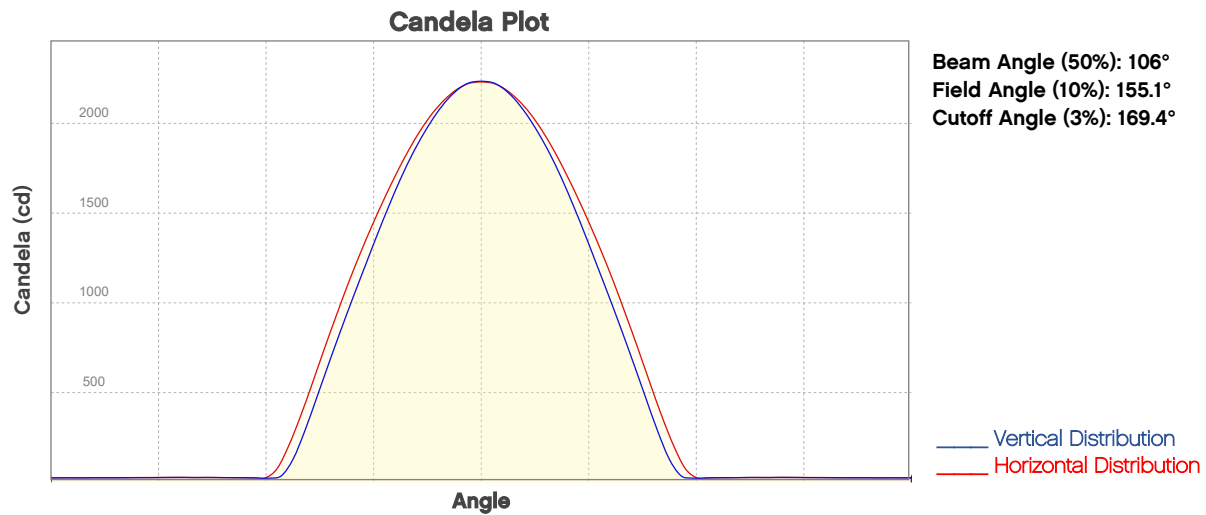


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	2233	558	248	140	89	62	46	35	28	22
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	18	16	13	11	10	9	8	7	6	6
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	207	52	23	13	8	6	4	3	3	2
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	1	1	1	1	1	1	1	1	1

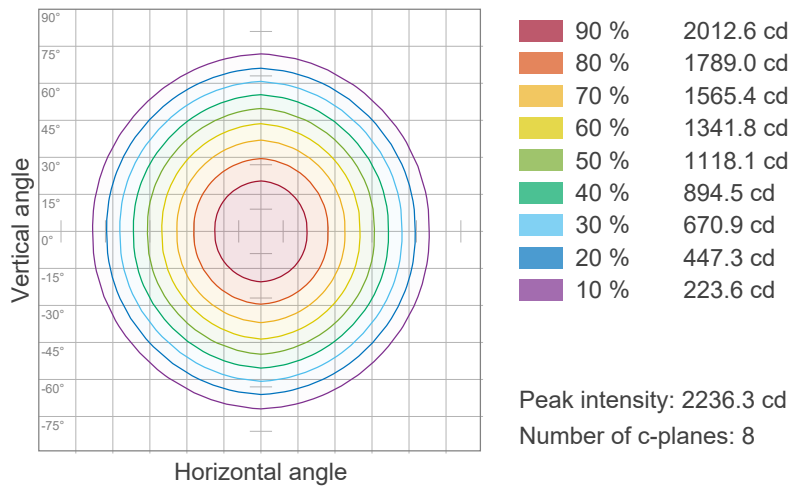
# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 4000K

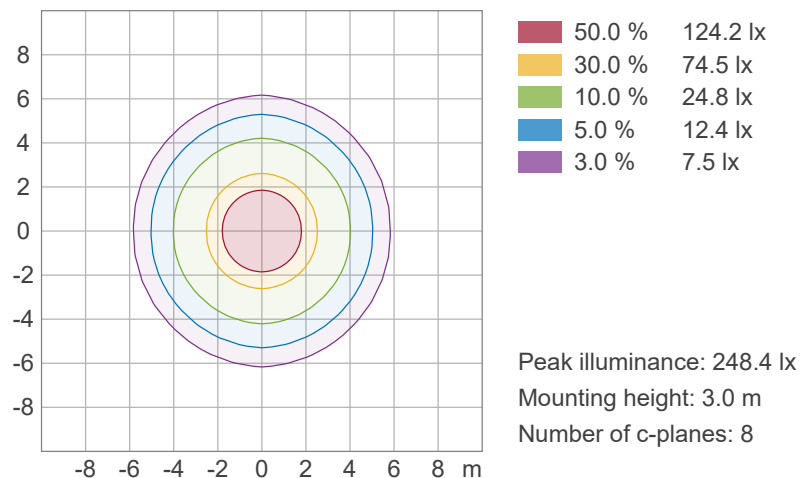


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

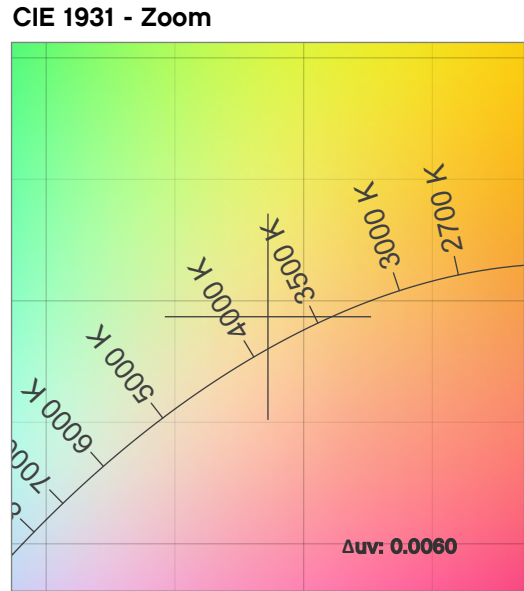
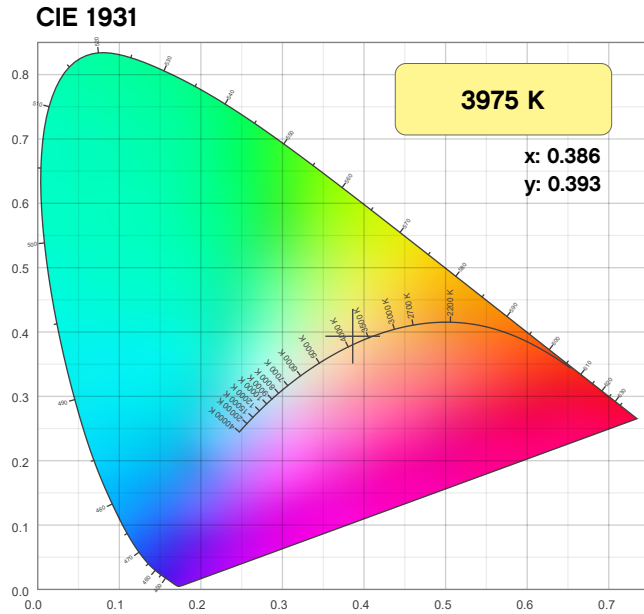




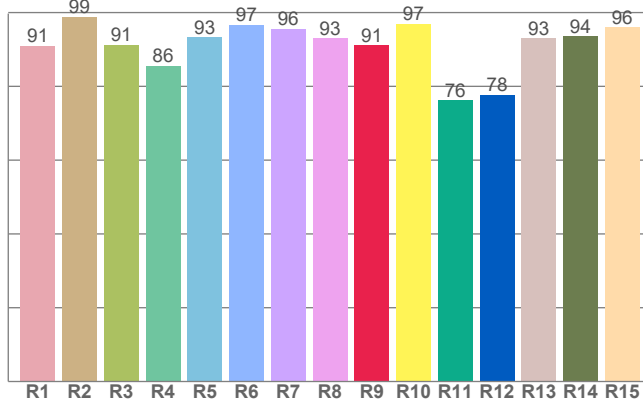
# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 4000K

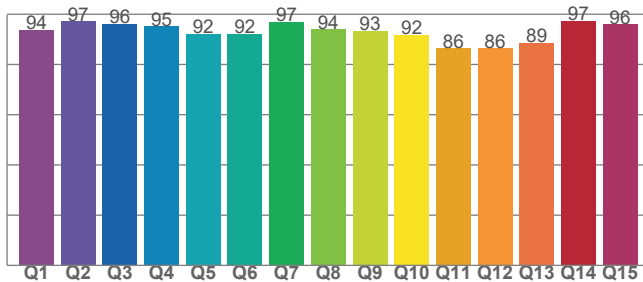
## Chromaticity



**CRI: 93.1 (R1-R8)**



**CQS: 92.3**



**Color Parameters**

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3975 K	0.386	0.393

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0060	0.393	0.222

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.1	91.1	92.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
84	91.4	102.8

# Photometric & Chromaticity Report

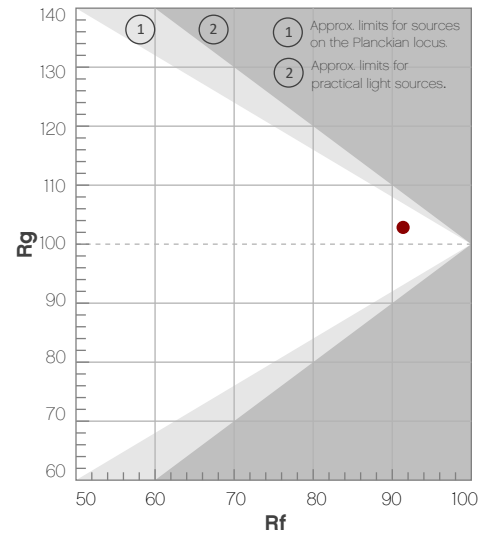
onAir Panel 3 IP: Heavy Filter - 4000K

## TM-30 Details

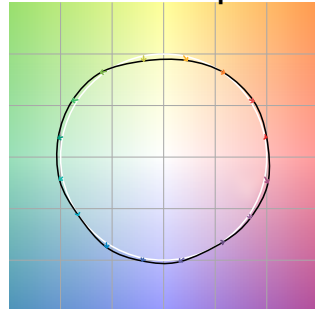
**Rf 91.4**  
Fidelity Index  
(Rg)

**Rg 102.8**  
Gammut Index  
(Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	91	3%	-4%
3	91	0%	-4%
4	91	-4%	-4%
5	91	-5%	1%
6	92	2%	5%
7	89	4%	4%
8	89	4%	2%
9	92	3%	2%
10	95	0%	1%
11	91	4%	3%
12	90	3%	-1%
13	92	3%	-5%
14	94	1%	3%
15	90	3%	-3%
16	88	4%	-5%



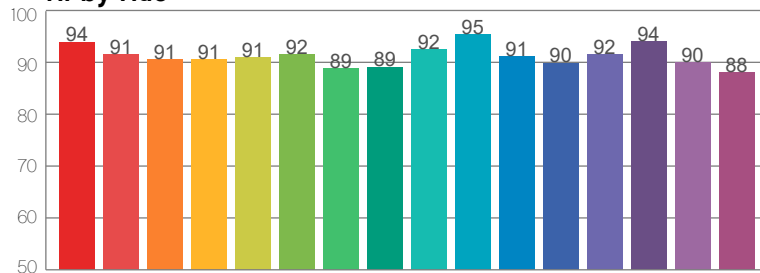
Color Vector Graphic



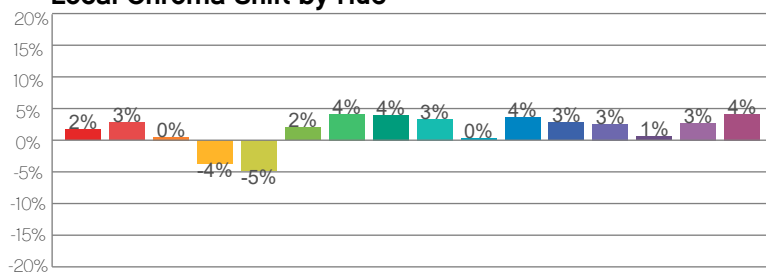
Color Distortion Graphic



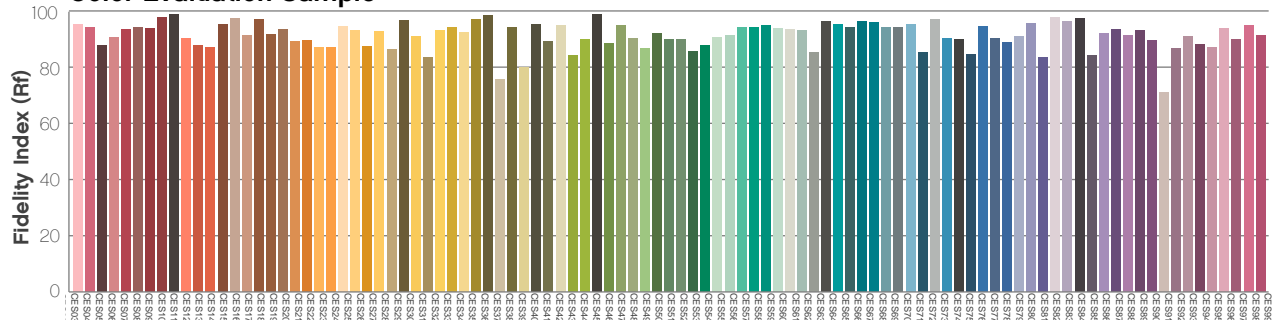
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 5600K

## Report Summary

### Measurements

Fixture Output: 6580 lm  
Fixture Peak: 2450 cd  
Fixture Efficacy: 41 lm/W  
Intensity @ 5m: 98 lux  
Color Temperature: 5604 K  
CRI: 92.7      CRI R9 Value: 82.6  
CQS: 92.7  
TLCI: 87  
TM-30 Rf: 90.8  
TM-30 Rg: 104.0  
Beam Angle (50%): 106.1°  
Field Angle (10%): 155.2°  
Cutoff Angle (3%): 169.1°

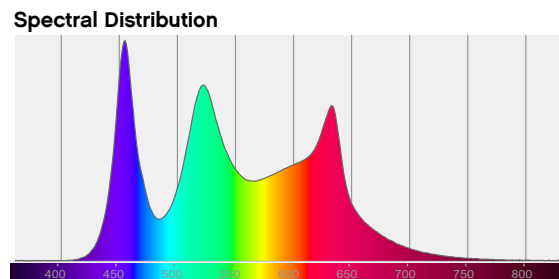
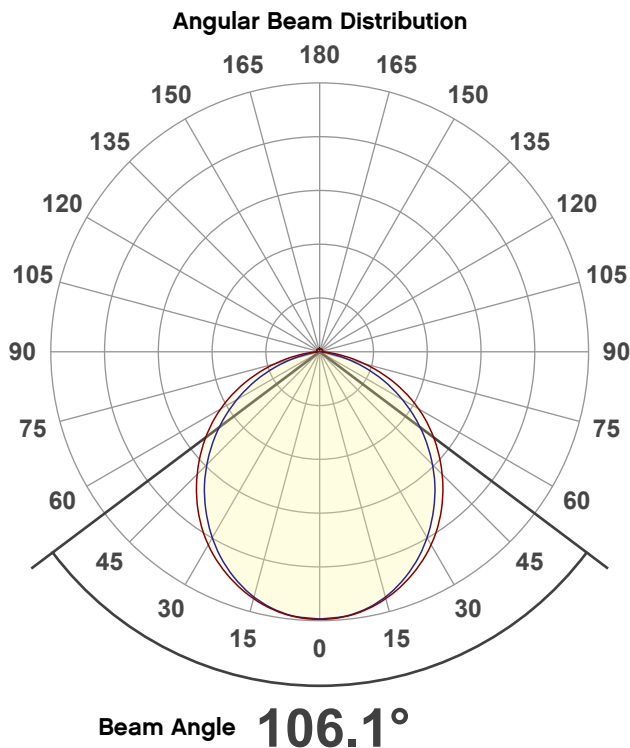
### Conditions

AC Supply: 118 V, 60 Hz  
Power: 159.31 W  
Current: 1.35 A  
Power Factor: 1.0



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 6/12/2023 to LM-63-2002 Standards.

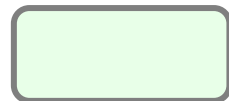
## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.330

Y: 0.356



**Light Quality**

CRI: 92.7

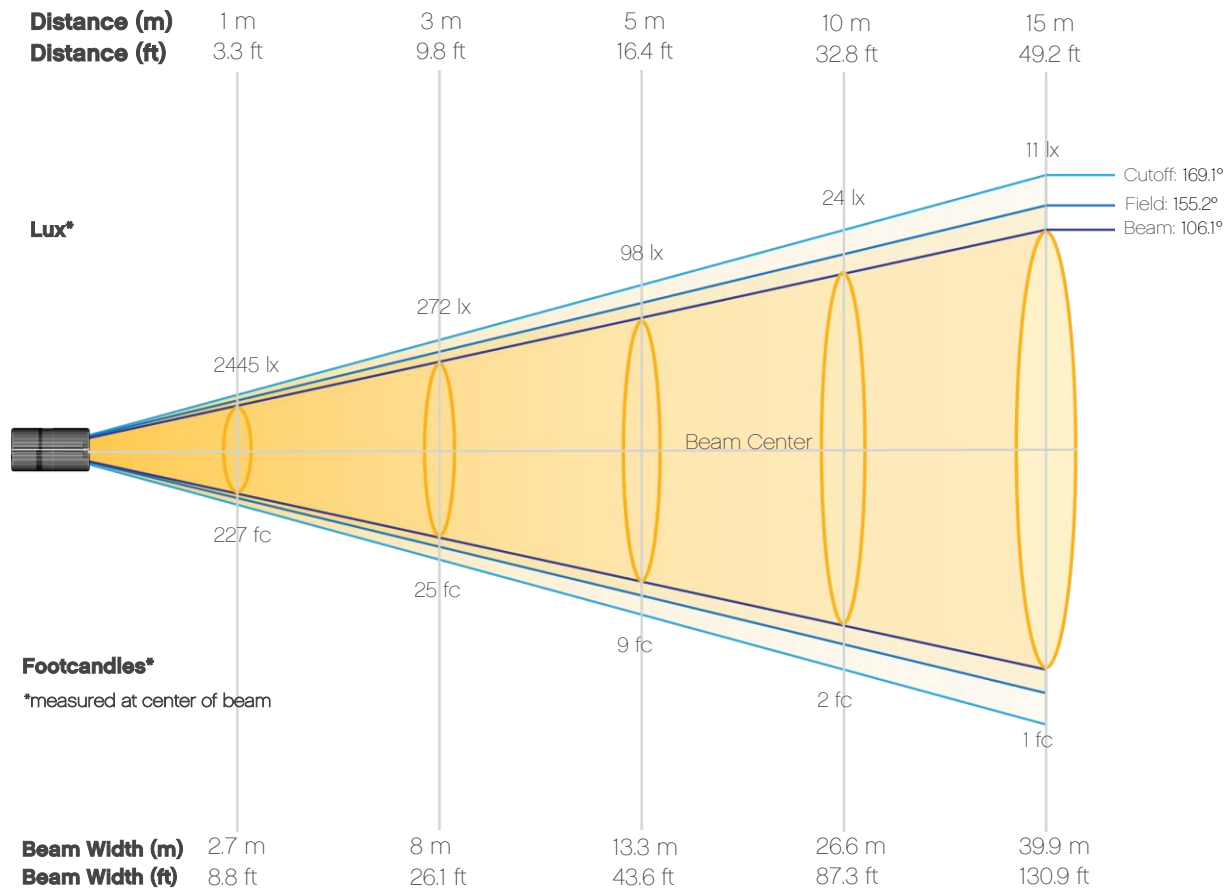
**Color Temperature**

5604 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 5600K

## Beam Details

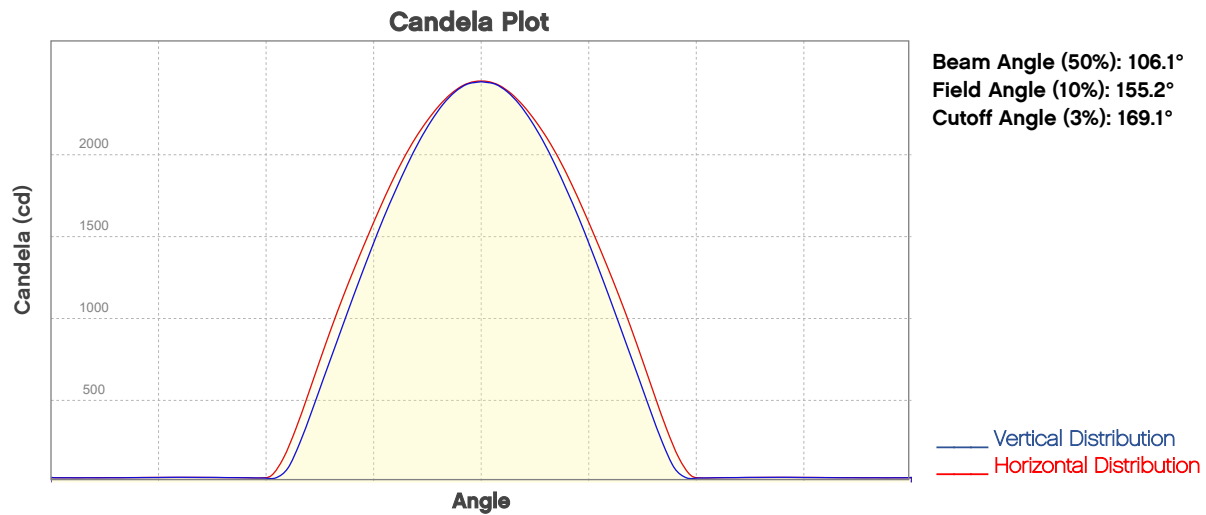


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	2445	611	272	153	98	68	50	38	30	24
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	20	17	14	12	11	10	8	8	7	6
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	227	57	25	14	9	6	5	4	3	2
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	2	2	1	1	1	1	1	1	1	1

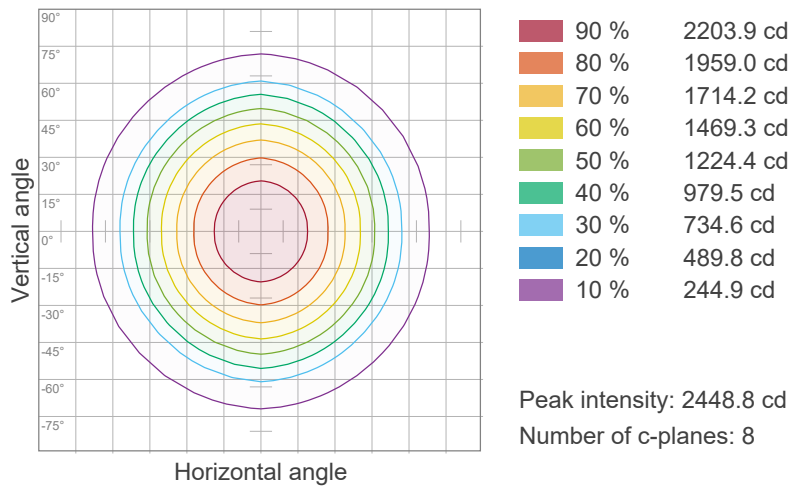
# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 5600K

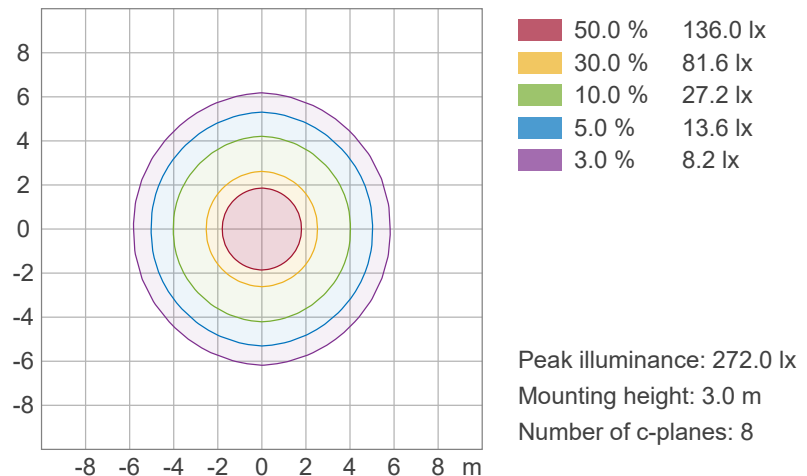


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

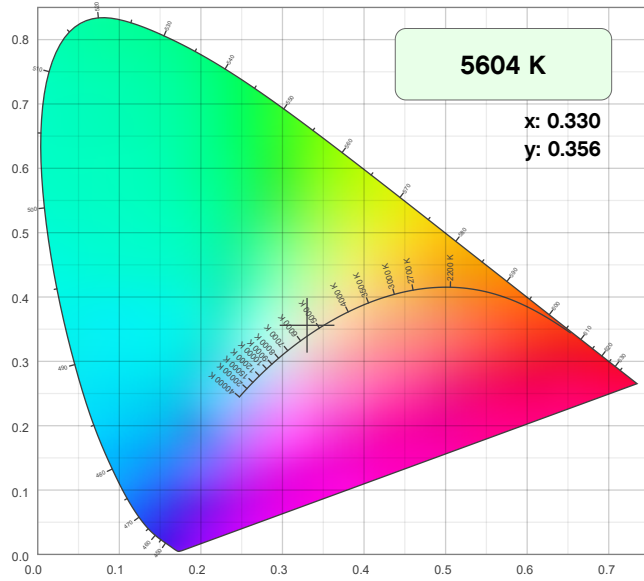


# Photometric & Chromaticity Report

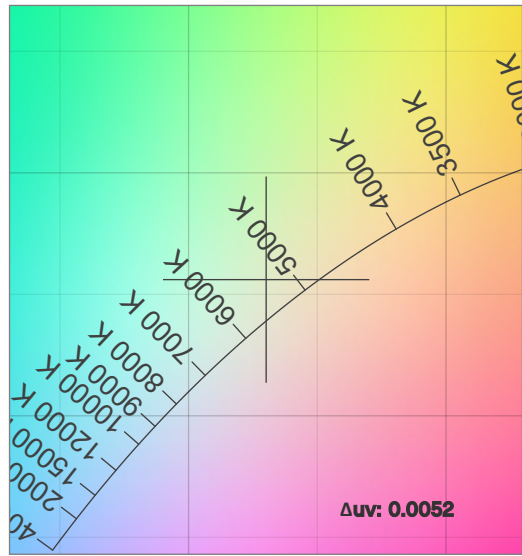
onAir Panel 3 IP: Heavy Filter - 5600K

## Chromaticity

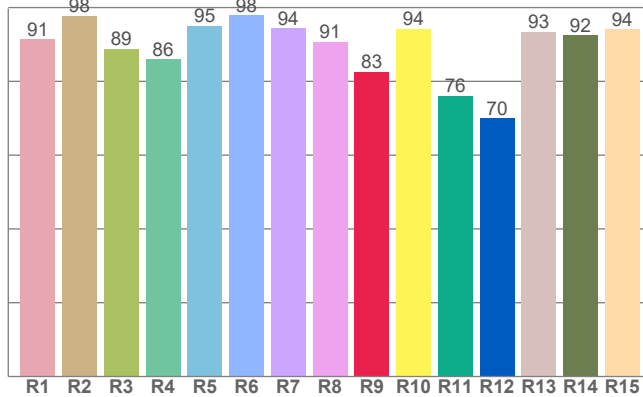
CIE 1931



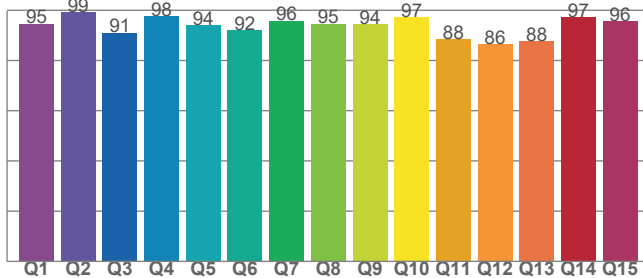
CIE 1931 - Zoom



CRI: 92.7 (R1-R8)



CQS: 92.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5604 K	0.330	0.356

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0052	0.356	0.200

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.7	82.6	92.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
87	90.8	104.0

# Photometric & Chromaticity Report

onAir Panel 3 IP: Heavy Filter - 5600K

## TM-30 Details

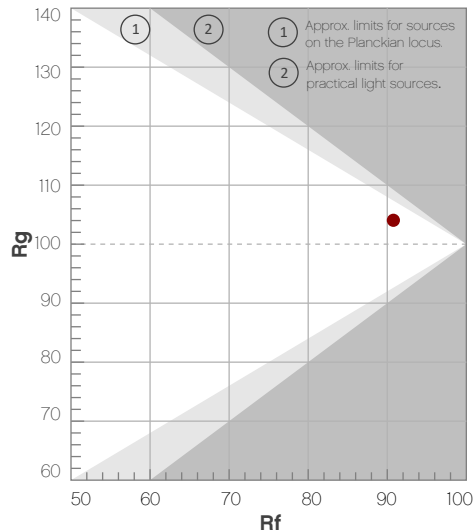
**Rf 90.8**

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

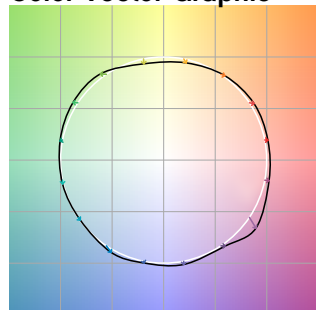
**Rg 104.0**

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

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	92	3%	-1%
2	92	3%	-3%
3	90	1%	-4%
4	91	-3%	-3%
5	90	-5%	1%
6	91	4%	5%
7	89	4%	2%
8	92	2%	1%
9	93	1%	3%
10	93	0%	3%
11	87	3%	7%
12	95	2%	1%
13	94	3%	-1%
14	91	2%	3%
15	85	11%	-5%
16	92	4%	0%



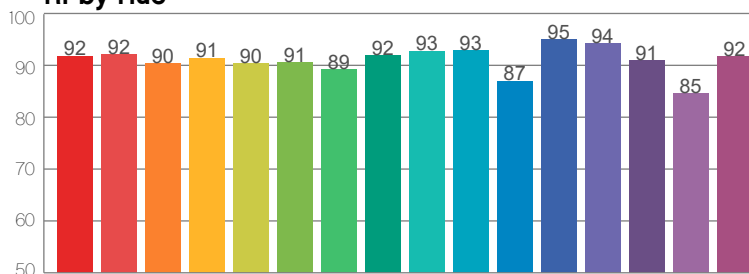
### Color Vector Graphic



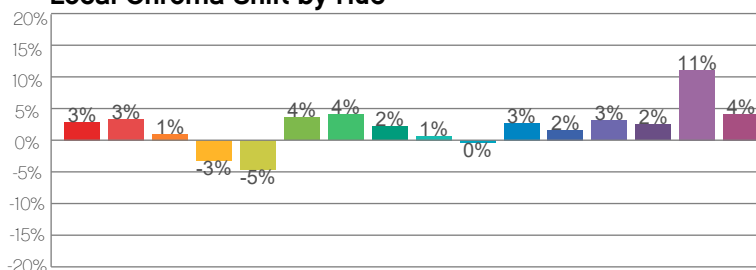
### Color Distortion Graphic



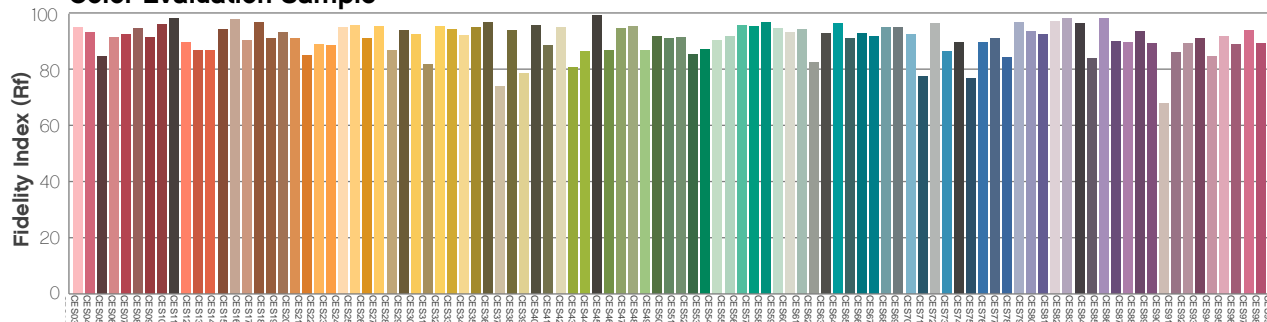
### Rf by Hue



### Local Chroma Shift by Hue



### Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - Full Power

## Report Summary

### Measurements

Fixture Output: 5788 lm  
Fixture Peak: 3630 cd  
Fixture Efficacy: 36 lm/W  
Intensity @ 5m: 145 lux  
Color Temperature: 5673 K  
CRI: 70.4      CRI R9 Value: -29.4  
CQS: 87.3  
TLCI: 72  
TM-30 Rf: 82.9  
TM-30 Rg: 114.5  
Beam Angle (50%): 70.2°  
Field Angle (10%): 127.1°  
Cutoff Angle (3%): 166.6°

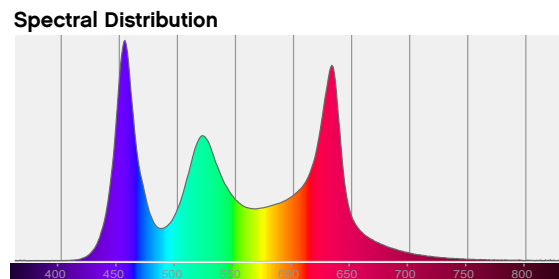
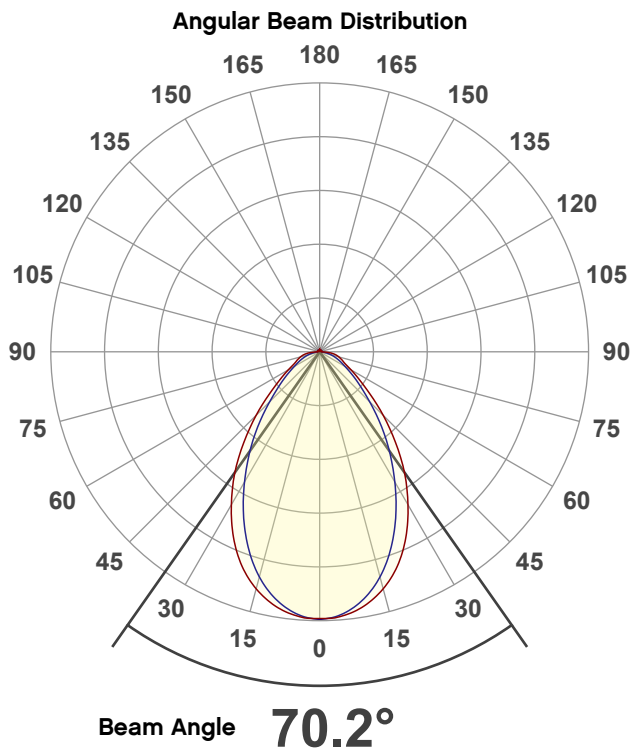
### Conditions

AC Supply: 119 V, 60 Hz  
Power: 162.48 W  
Current: 1.37 A  
Power Factor: 1.0



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 6/12/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.329

Y: 0.314



**Light Quality**

CRI: 70.4

**Color Temperature**

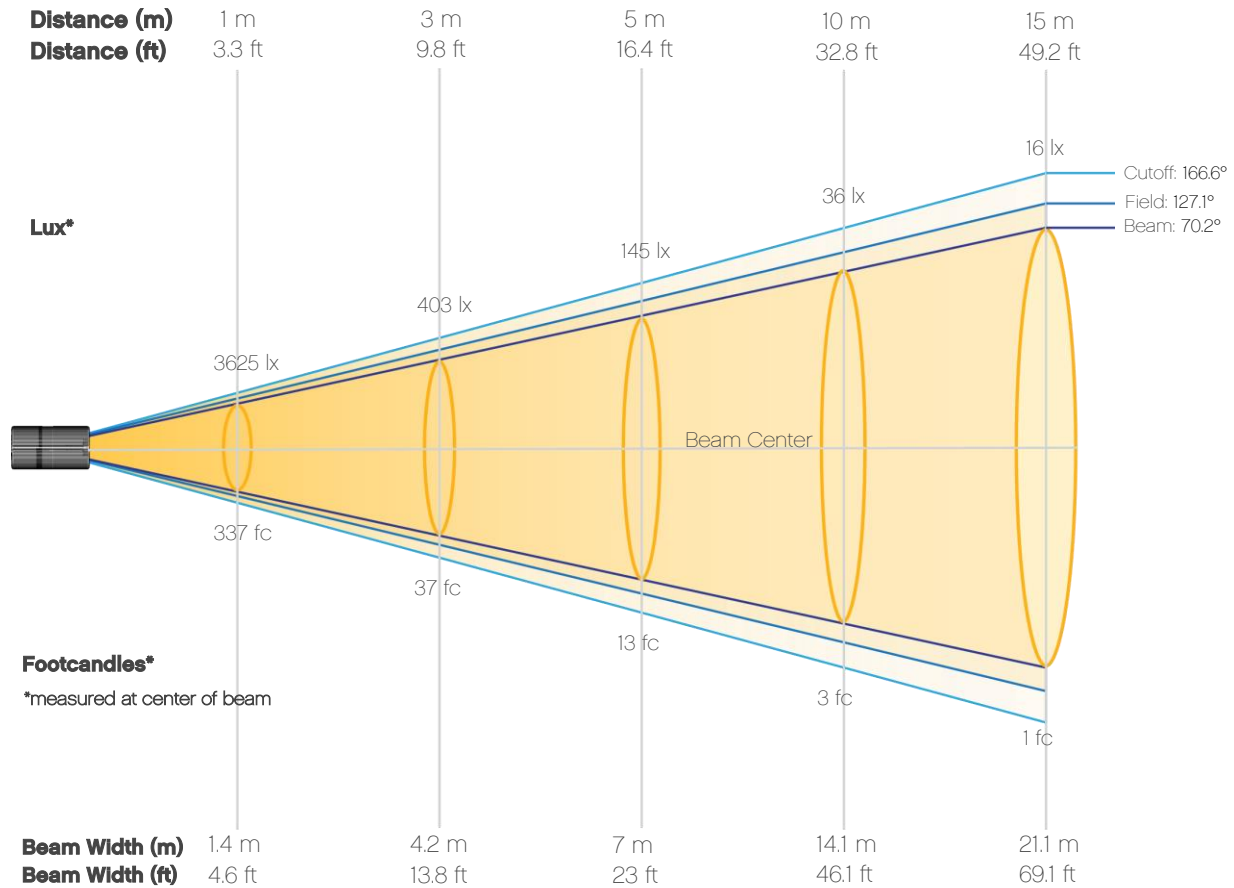
5673 K



# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - Full Power

## Beam Details

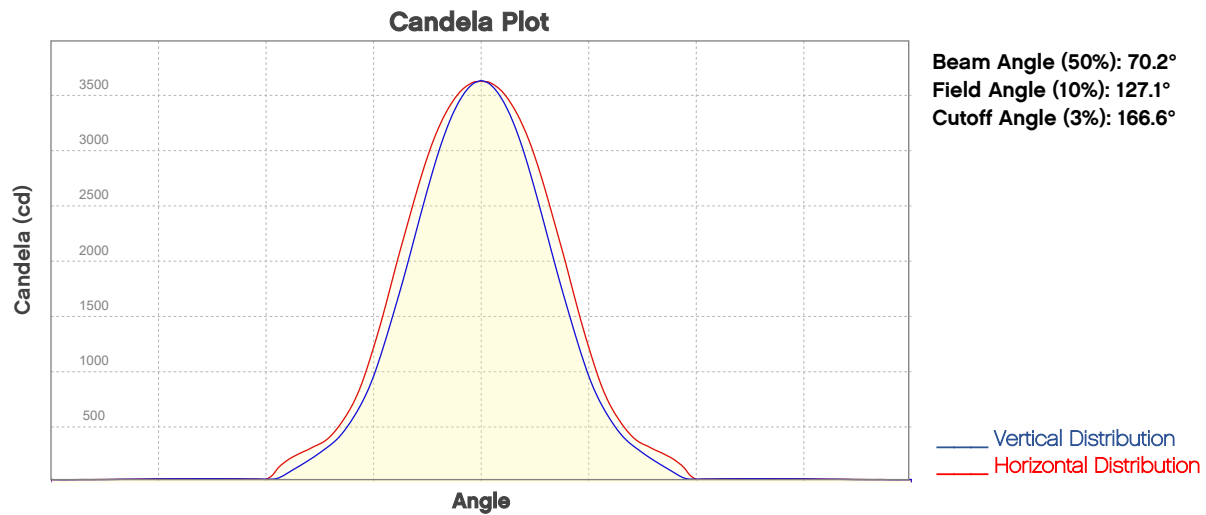


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	3625	906	403	227	145	101	74	57	45	36
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	30	25	21	18	16	14	13	11	10	9
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	337	84	37	21	13	9	7	5	4	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	3	2	2	2	1	1	1	1	1	1

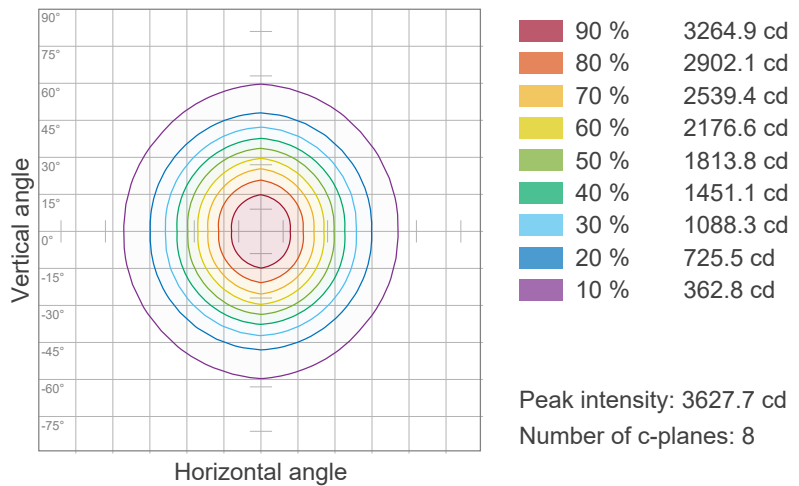
# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - Full Power

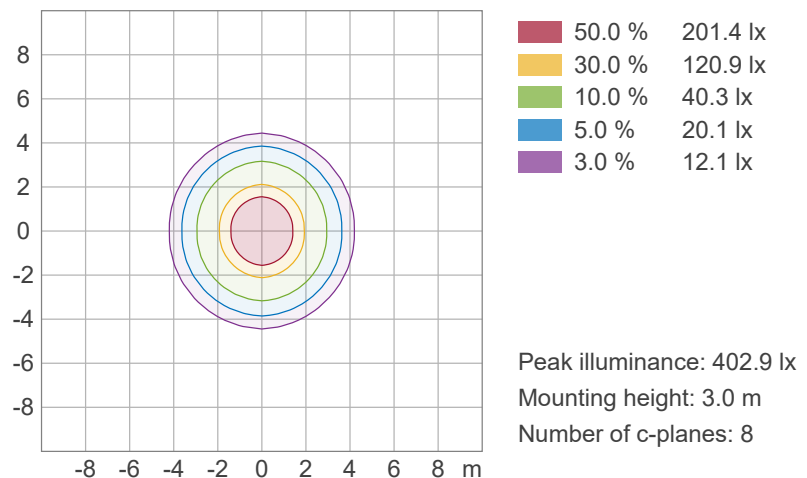


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram

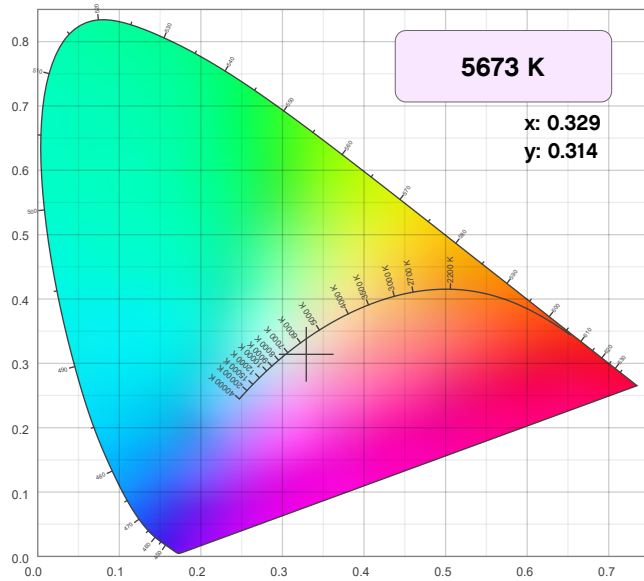


# Photometric & Chromaticity Report

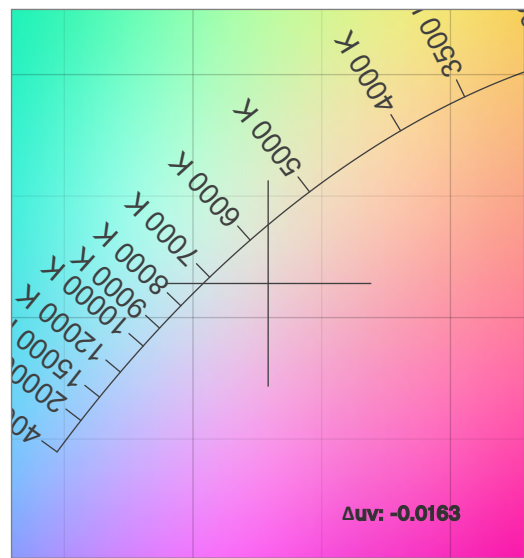
onAir Panel 3 IP: Intensifier - Full Power

## Chromaticity

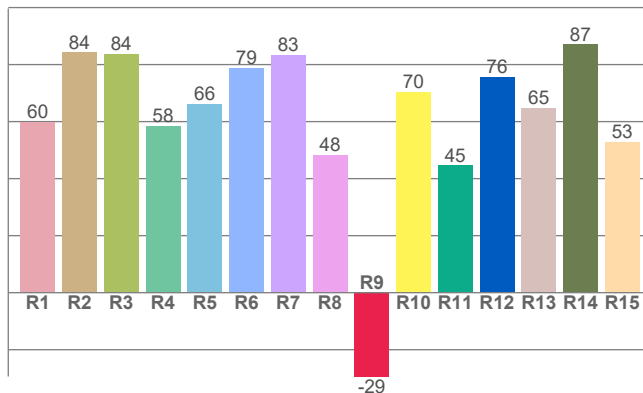
CIE 1931



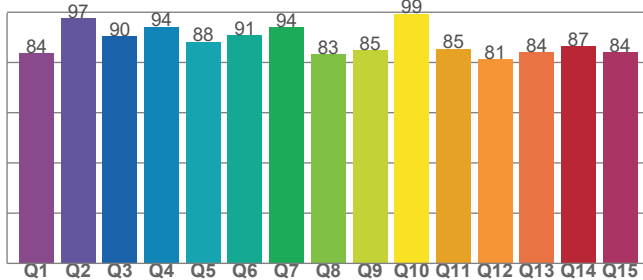
CIE 1931 - Zoom



CRI: 70.4 (R1-R8)



CQS: 87.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5673 K	0.329	0.314

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
-0.0163	0.314	0.216

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.4	-29.4	87.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
72	82.9	114.5

# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - Full Power

## TM-30 Details

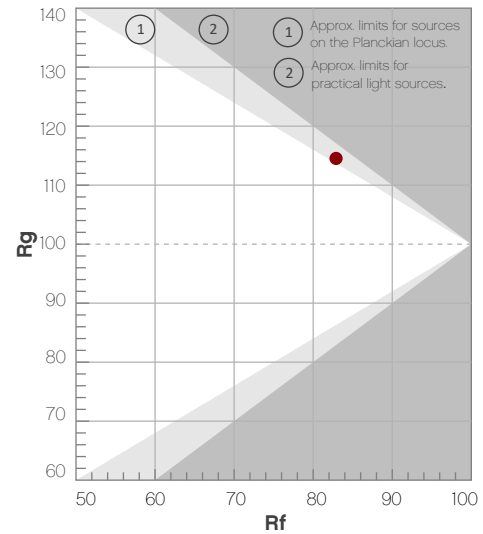
**Rf 82.9**

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

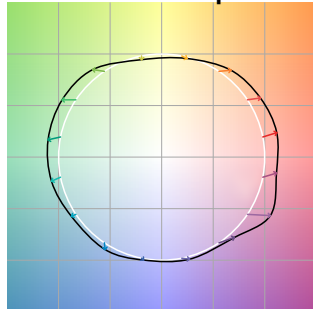
**Rg 114.5**

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

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	72	14%	1%
2	79	11%	-6%
3	78	7%	-9%
4	89	-1%	-5%
5	89	-4%	1%
6	84	8%	8%
7	79	11%	7%
8	79	11%	5%
9	87	9%	2%
10	91	5%	-1%
11	88	5%	4%
12	93	1%	2%
13	90	2%	7%
14	74	4%	15%
15	73	19%	11%
16	76	12%	6%



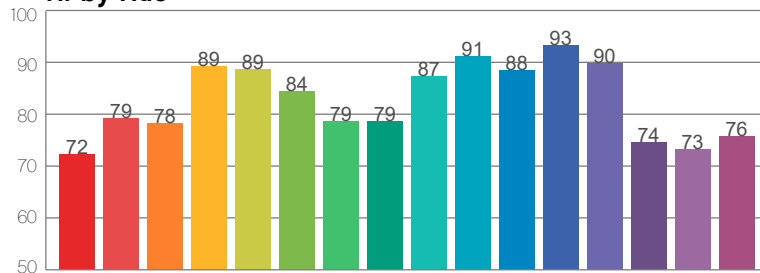
### Color Vector Graphic



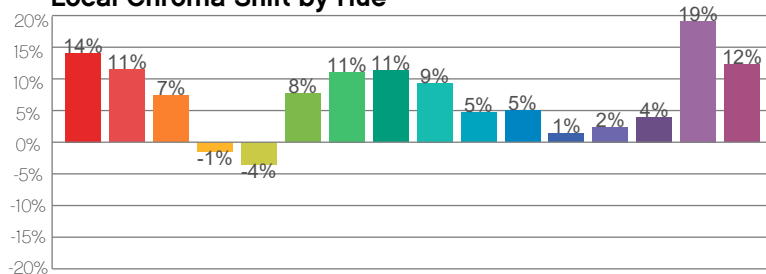
### Color Distortion Graphic



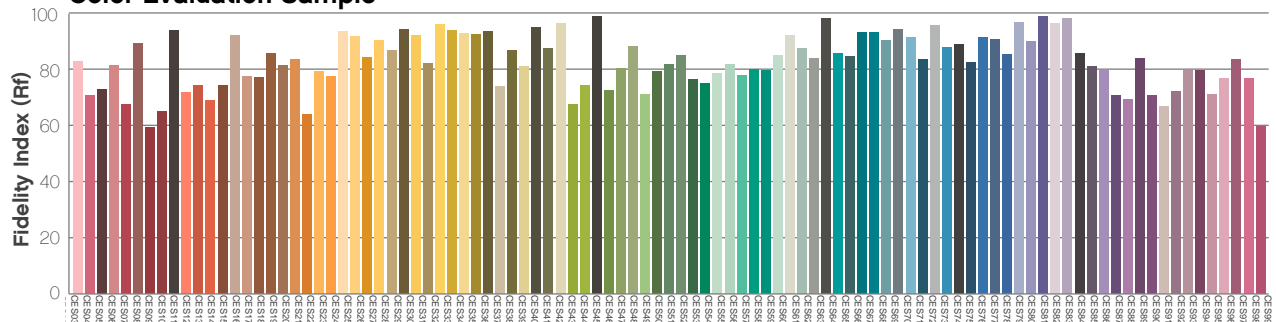
### Rf by Hue



### Local Chroma Shift by Hue



### Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 3200K

## Report Summary

### Measurements

Fixture Output: 5985 lm  
Fixture Peak: 3769 cd  
Fixture Efficacy: 42 lm/W  
Intensity @ 5m: 151 lux  
Color Temperature: 3214 K  
CRI: 85.9      CRI R9 Value: 70.6  
CQS: 85.7  
TLCI: 71  
TM-30 Rf: 88.7  
TM-30 Rg: 104.5  
Beam Angle (50%): 69.9°  
Field Angle (10%): 126.9°  
Cutoff Angle (3%): 166.7°

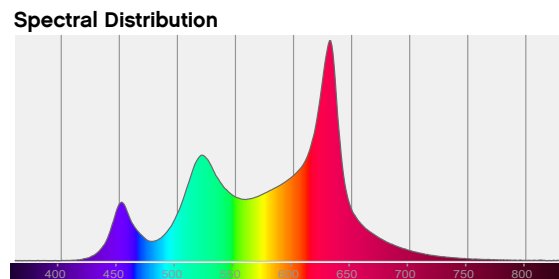
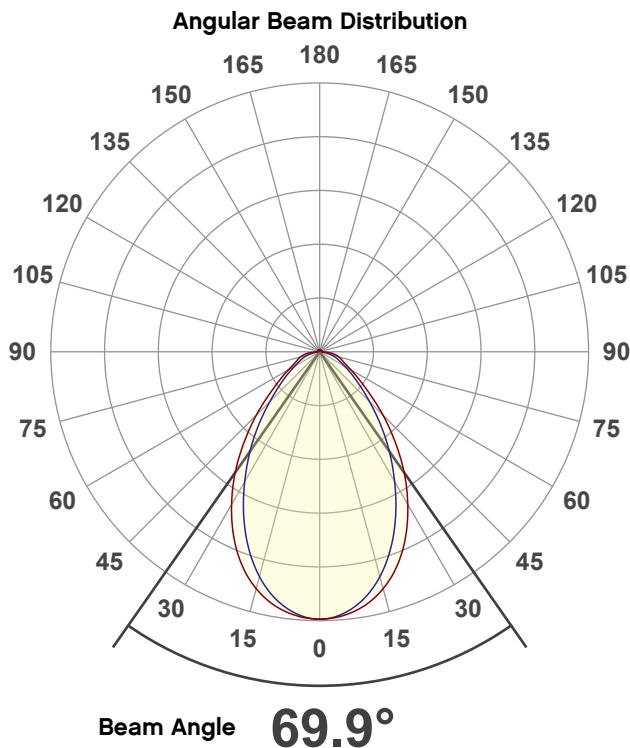
### Conditions

AC Supply: 117 V, 60 Hz  
Power: 144.07 W  
Current: 1.23 A  
Power Factor: 1.0



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 6/13/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.429

Y: 0.414



**Light Quality**

CRI: 85.9

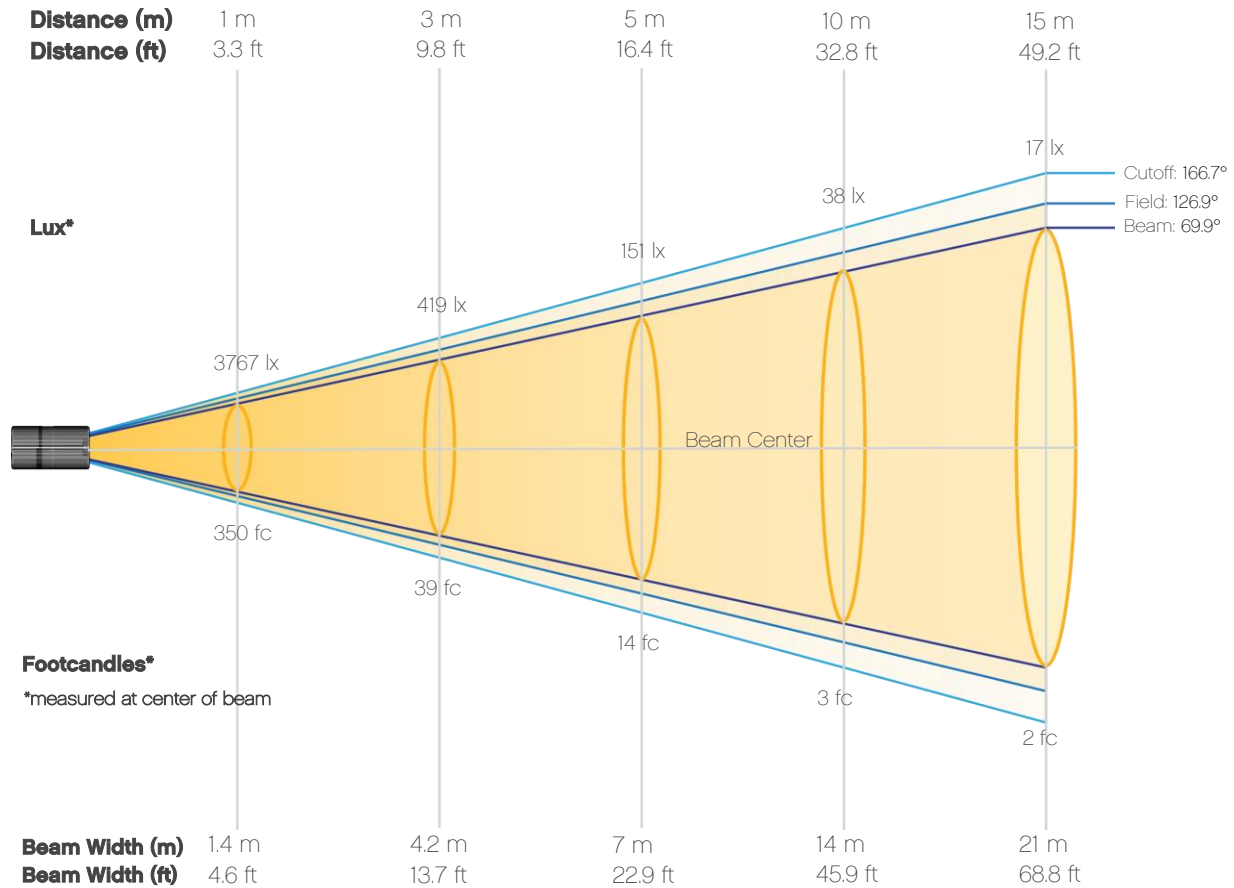
**Color Temperature**

3214 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 3200K

## Beam Details

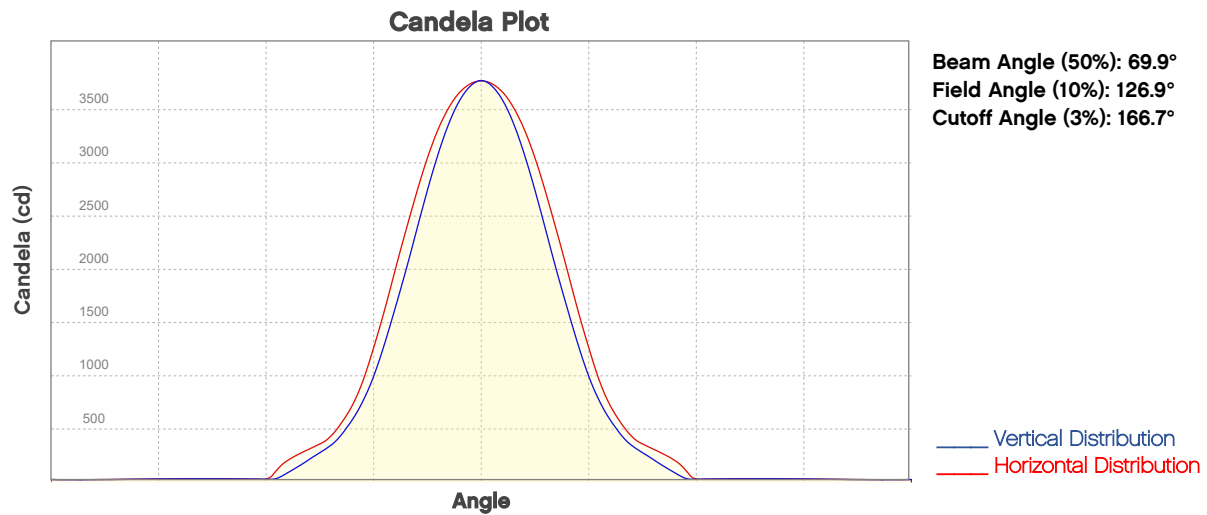


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	3767	942	419	235	151	105	77	59	47	38
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	31	26	22	19	17	15	13	12	10	9
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	350	87	39	22	14	10	7	5	4	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	3	2	2	2	2	1	1	1	1	1

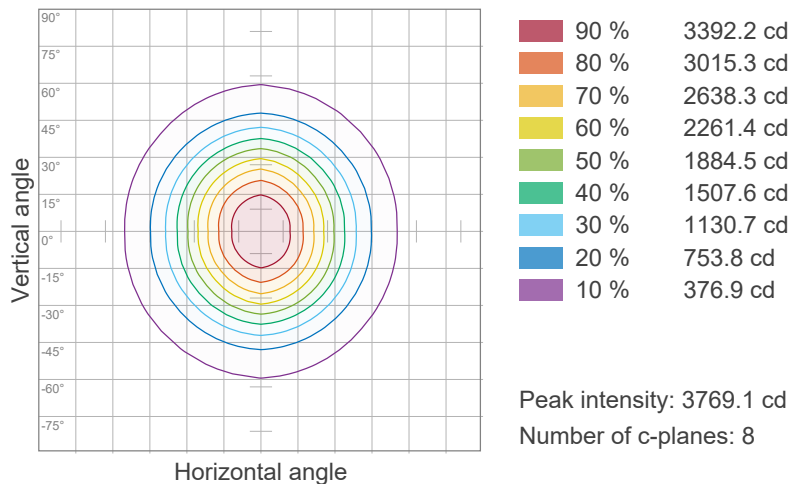
# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 3200K

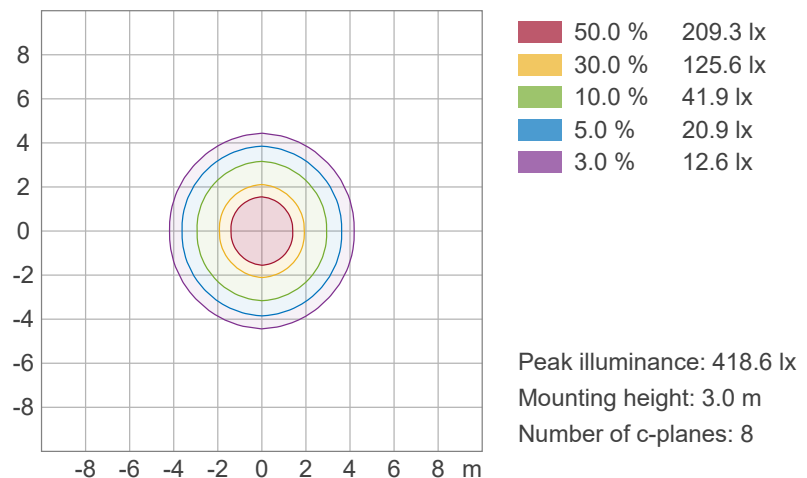


## ISO Diagrams

### ISO Candela Diagram



### ISO Lux Diagram







# Photometric & Chromaticity Report

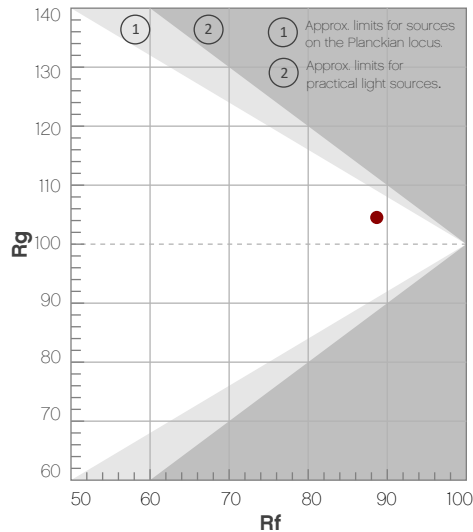
onAir Panel 3 IP: Intensifier - 3200K

## TM-30 Details

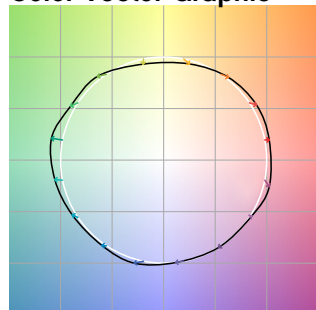
**Rf 88.7**  
Fidelity Index  
(R<sub>f</sub>)

**Rg 104.5**  
Gammut Index  
(R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-1%
2	87	5%	-5%
3	84	2%	-8%
4	88	-4%	-6%
5	91	-5%	1%
6	87	3%	8%
7	86	4%	7%
8	82	11%	1%
9	88	7%	-2%
10	88	3%	-5%
11	92	2%	-4%
12	87	4%	-8%
13	90	0%	-8%
14	91	0%	-3%
15	91	1%	3%
16	89	5%	-5%



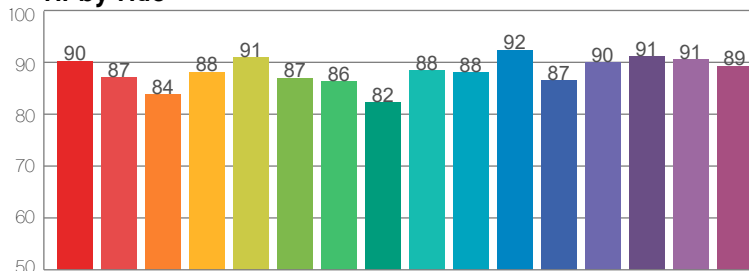
Color Vector Graphic



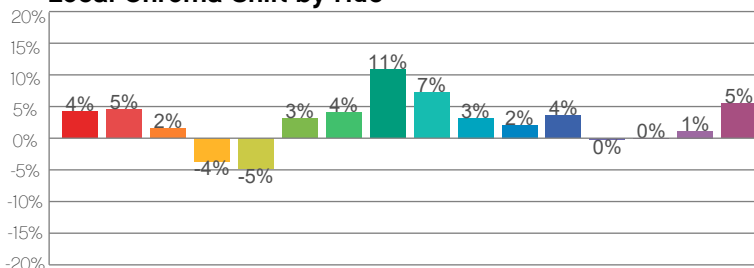
Color Distortion Graphic



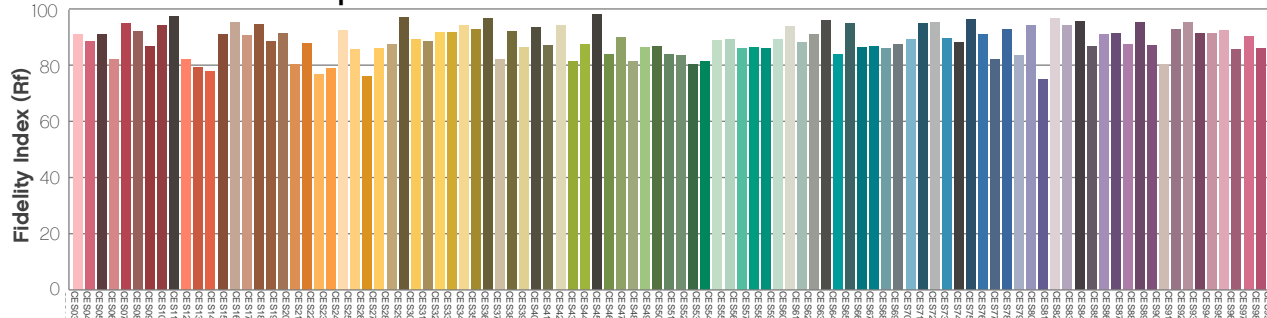
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 4000K

## Report Summary

### Measurements

Fixture Output: 5668 lm  
Fixture Peak: 3558 cd  
Fixture Efficacy: 42 lm/W  
Intensity @ 5m: 142 lux  
Color Temperature: 4053 K  
CRI: 93.5      CRI R9 Value: 93.3  
CQS: 92.1  
TLCI: 84  
TM-30 Rf: 91.4  
TM-30 Rg: 102.6  
Beam Angle (50%): 70.1°  
Field Angle (10%): 127.3°  
Cutoff Angle (3%): 166.9°

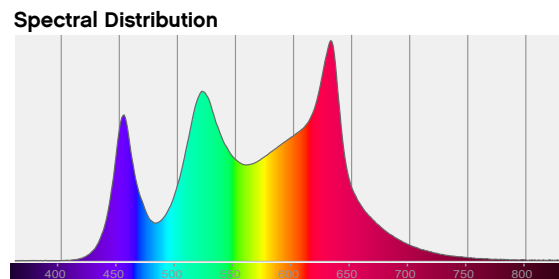
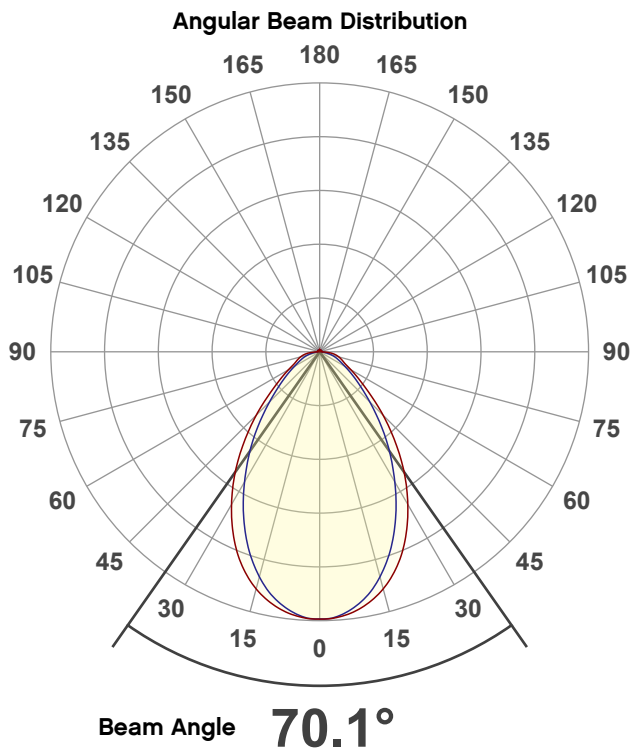


### Conditions

AC Supply: 118 V, 60 Hz  
Power: 136.06 W  
Current: 1.15 A  
Power Factor: 1.0

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 6/13/2023 to LM-63-2002 Standards.

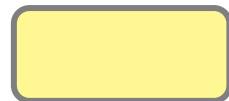
## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.383

Y: 0.394



**Light Quality**

CRI: 93.5

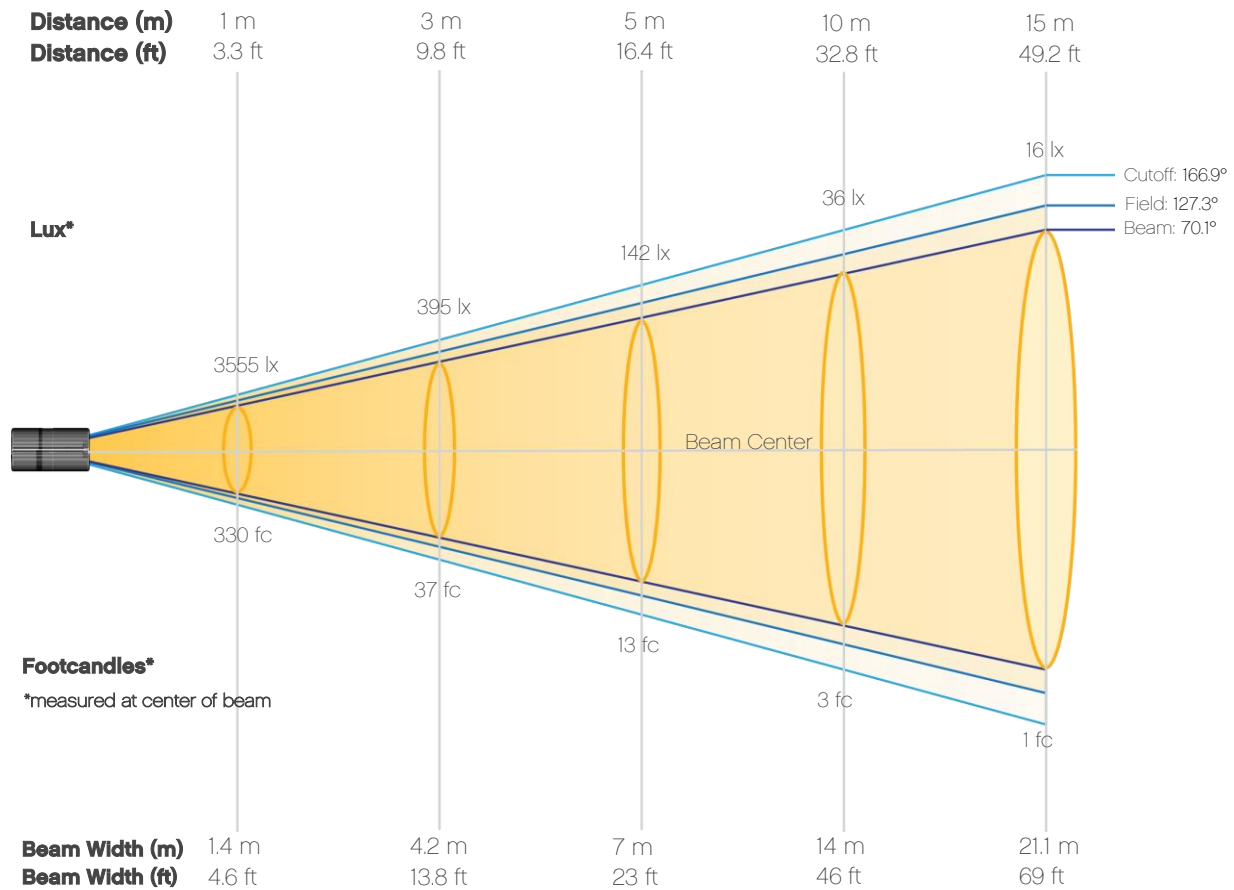
**Color Temperature**

4053 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 4000K

## Beam Details

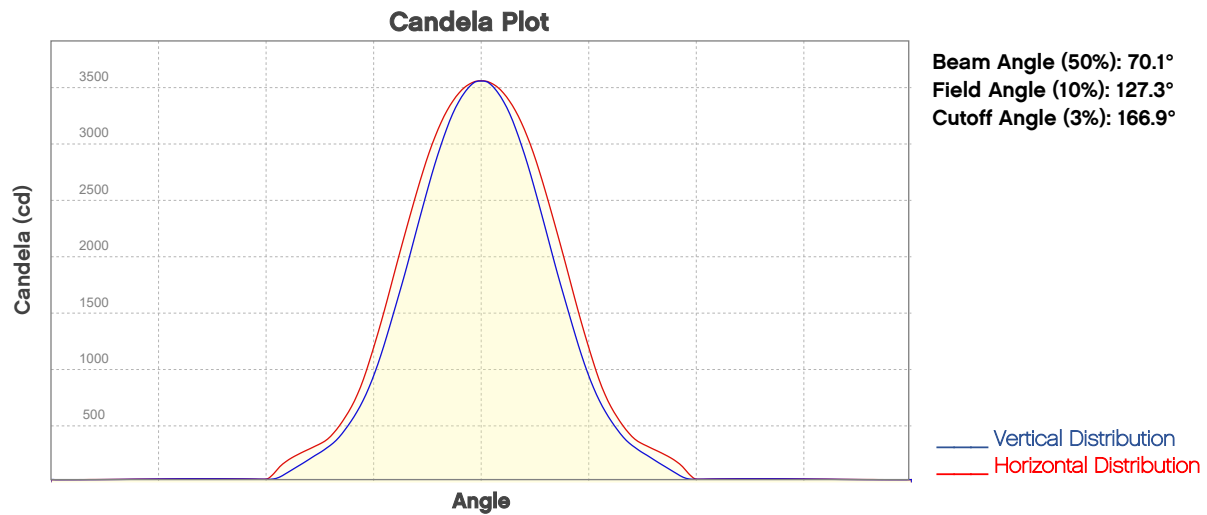


### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	3555	889	395	222	142	99	73	56	44	36
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	29	25	21	18	16	14	12	11	10	9
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	330	83	37	21	13	9	7	5	4	3
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	3	2	2	2	1	1	1	1	1	1

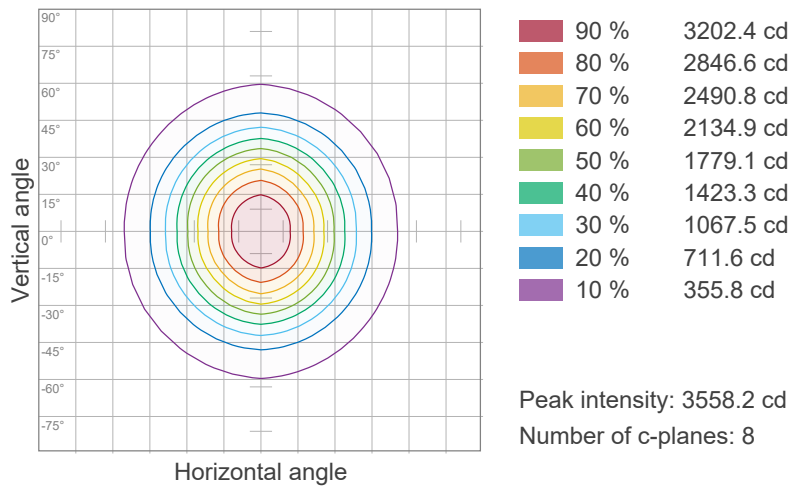
# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 4000K

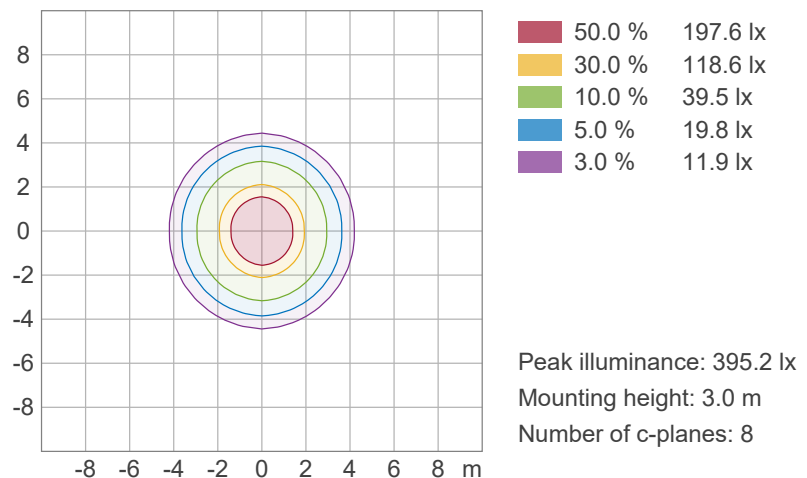


## ISO Diagrams

### ISO Candela Diagram



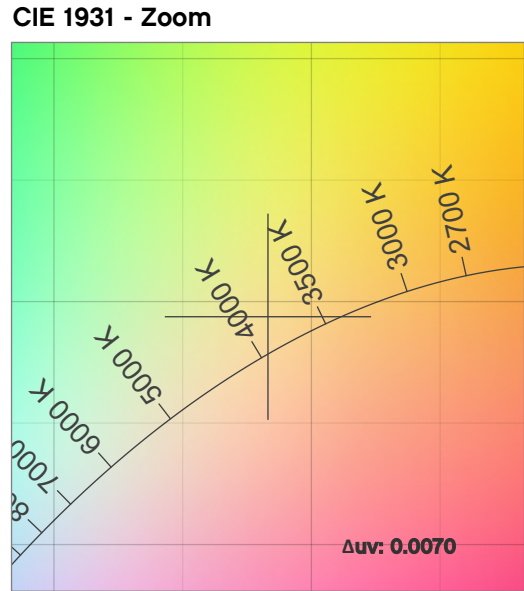
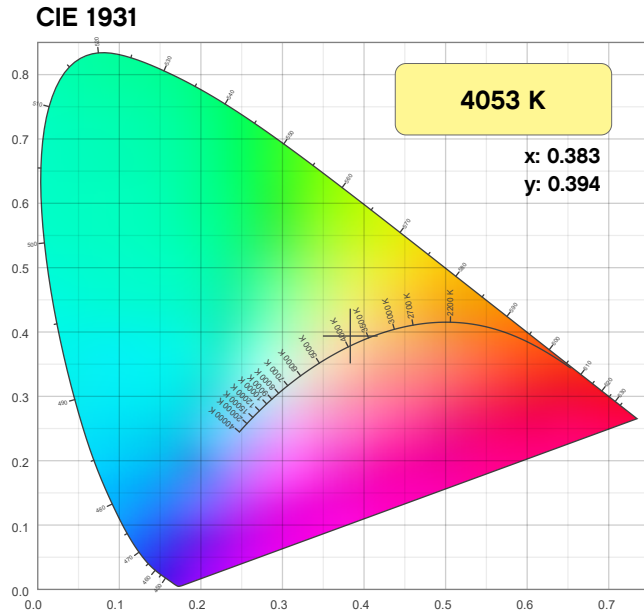
### ISO Lux Diagram



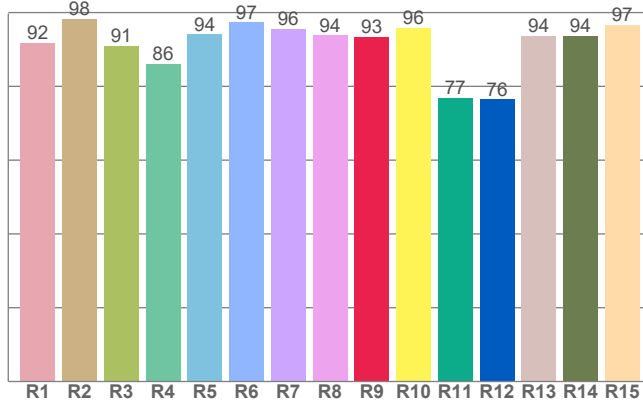
# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 4000K

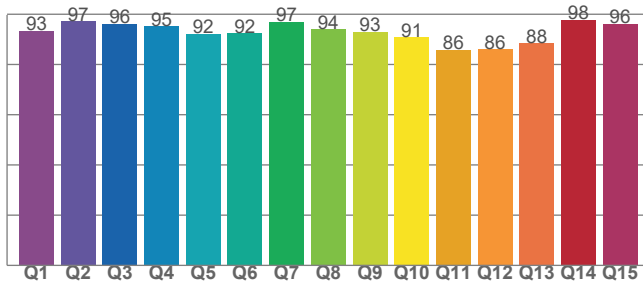
## Chromaticity



**CRI: 93.5 (R1-R8)**



**CQS: 92.1**



**Color Parameters**

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4053 K	0.383	0.394

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0070	0.394	0.220

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.5	93.3	92.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
84	91.4	102.6

# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 4000K

## TM-30 Details

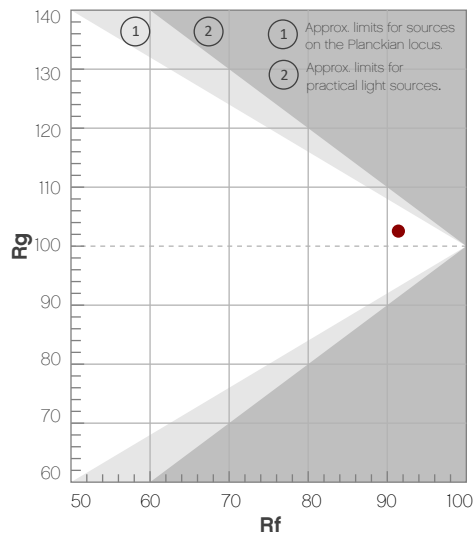
### Rf 91.4

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

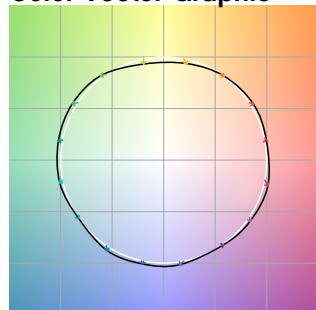
### Rg 102.6

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

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	92	3%	-4%
3	91	0%	-4%
4	91	-4%	-4%
5	91	-5%	1%
6	92	2%	5%
7	89	4%	4%
8	89	4%	2%
9	93	3%	2%
10	95	0%	1%
11	91	3%	3%
12	90	3%	-1%
13	92	3%	-5%
14	94	1%	3%
15	90	3%	-3%
16	88	4%	-5%



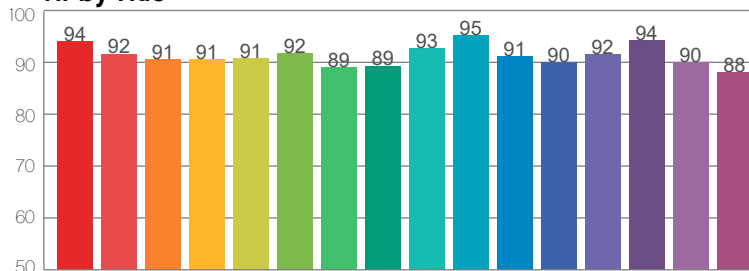
Color Vector Graphic



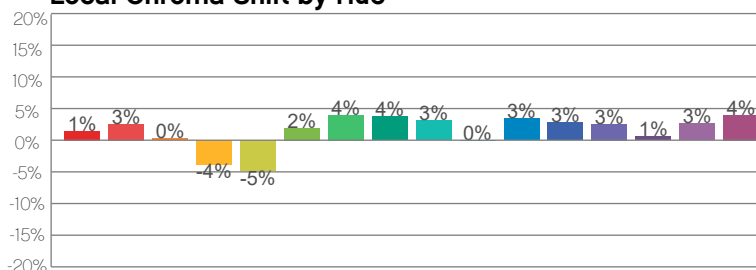
Color Distortion Graphic



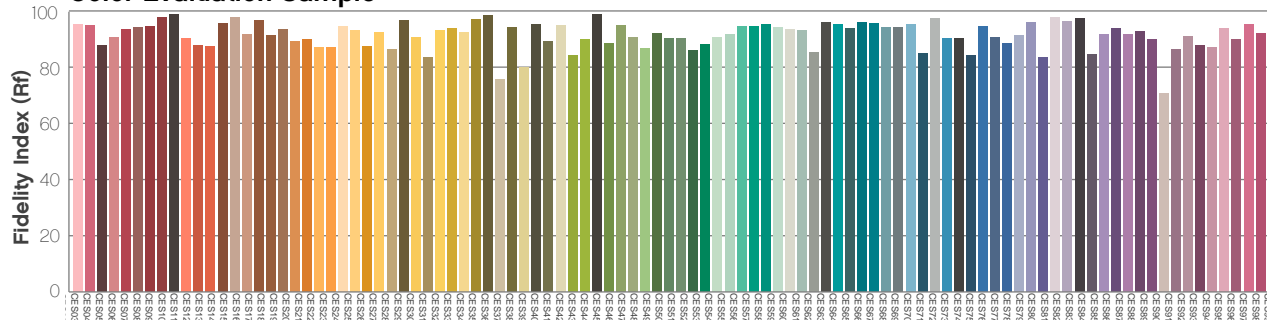
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 5600K

## Report Summary

### Measurements

Fixture Output: 6244 lm  
Fixture Peak: 3916 cd  
Fixture Efficacy: 39 lm/W  
Intensity @ 5m: 156 lux  
Color Temperature: 5635 K  
CRI: 92.5      CRI R9 Value: 81.4  
CQS: 92.5  
TLCI: 86  
TM-30 Rf: 90.7  
TM-30 Rg: 104.3  
Beam Angle (50%): 70.2°  
Field Angle (10%): 127.3°  
Cutoff Angle (3%): 167°

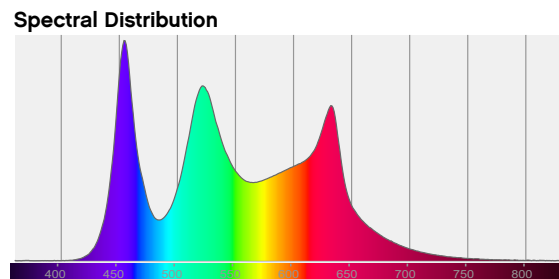
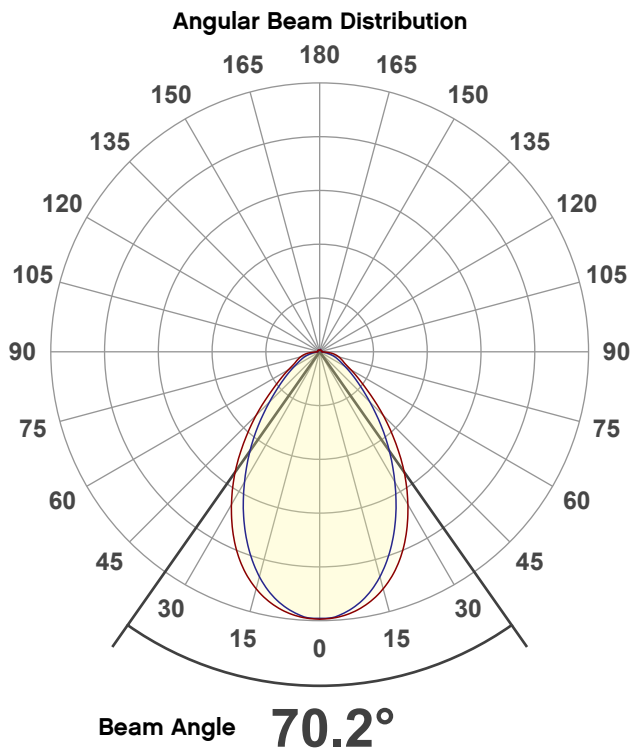
### Conditions

AC Supply: 118 V, 60 Hz  
Power: 161.79 W  
Current: 1.37 A  
Power Factor: 1.0



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 6/13/2023 to LM-63-2002 Standards.

## Overall Measurement



**Tested Color** (CIE 1931):

X: 0.329

Y: 0.355



**Light Quality**

CRI: 92.5

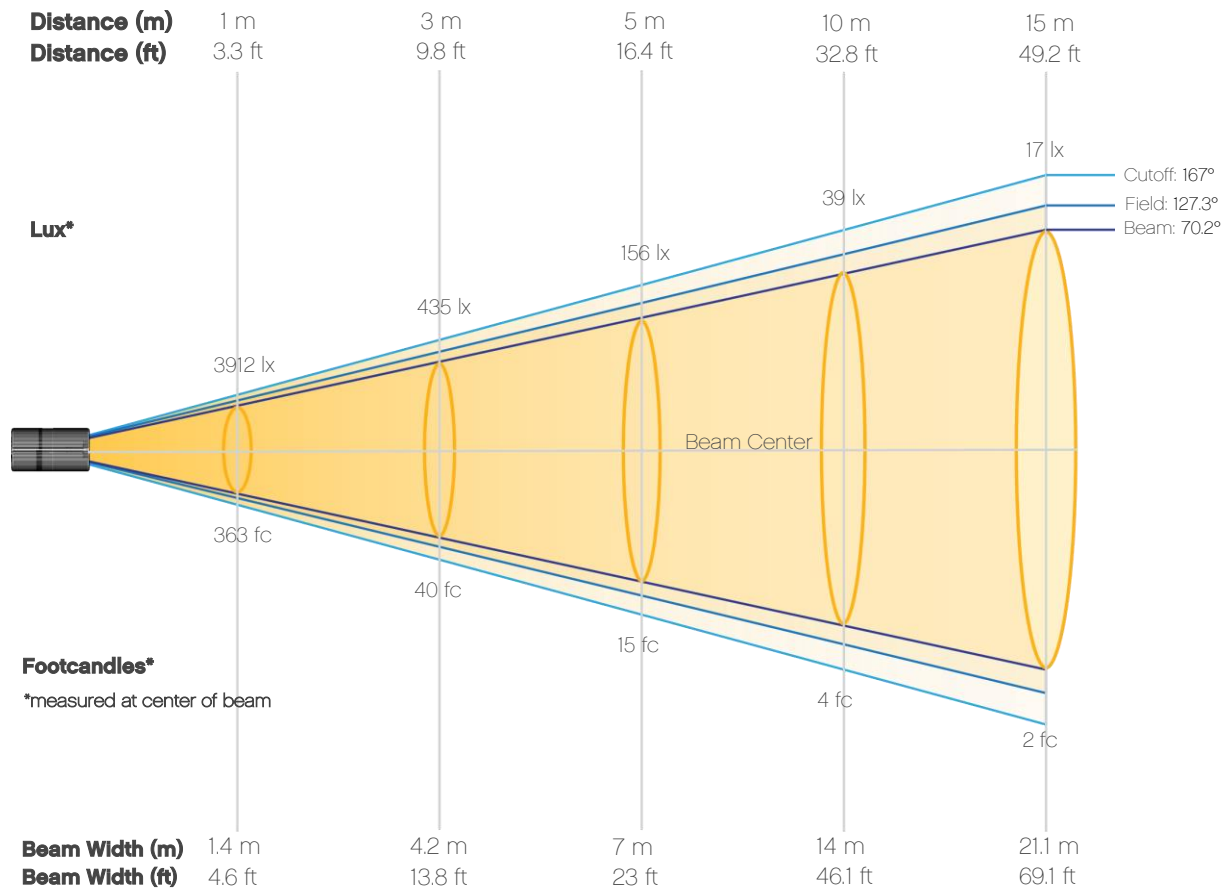
**Color Temperature**

5635 K

# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 5600K

## Beam Details



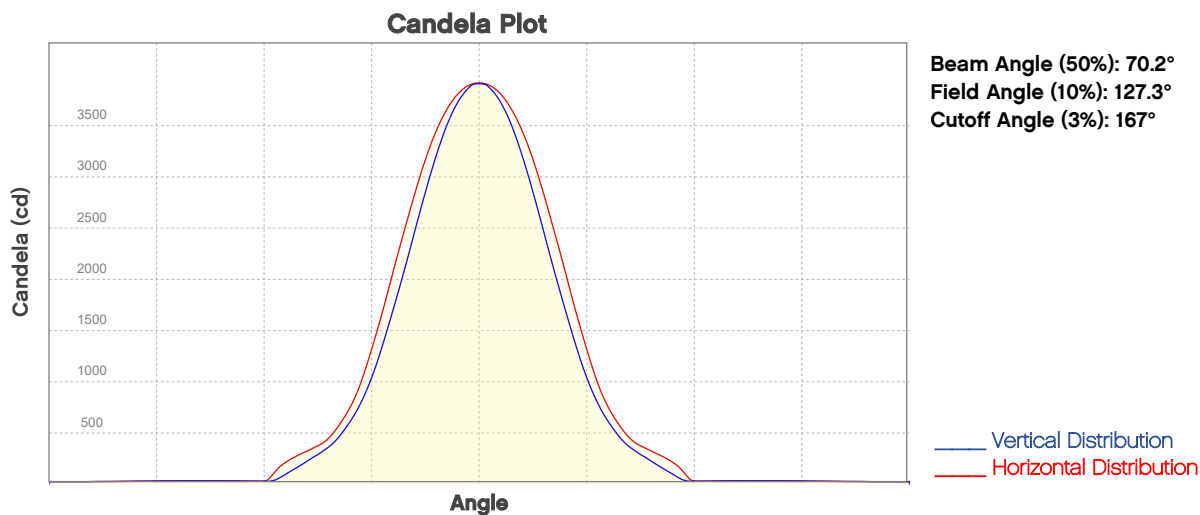
### Beam Intensities from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	3912	978	435	245	156	109	80	61	48	39
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	32	27	23	20	17	15	14	12	11	10
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	363	91	40	23	15	10	7	6	4	4
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	3	3	2	2	2	1	1	1	1	1



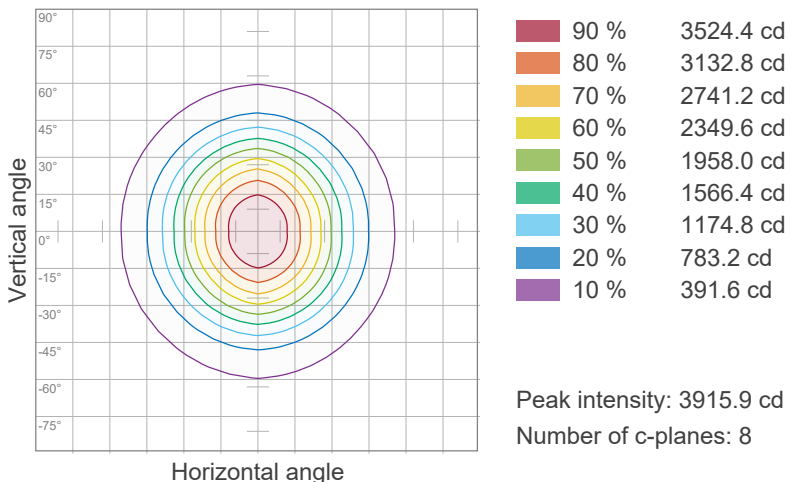
# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 5600K

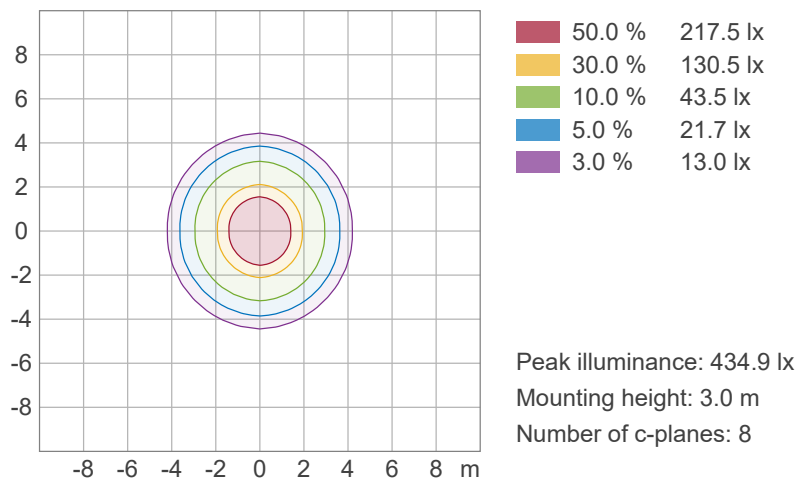


## ISO Diagrams

### ISO Candela Diagram



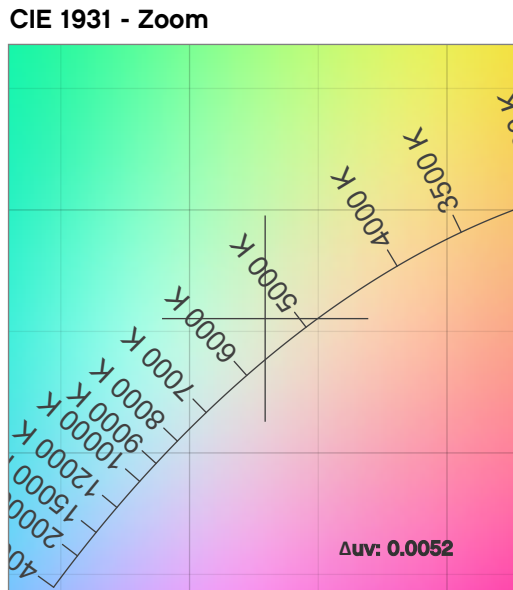
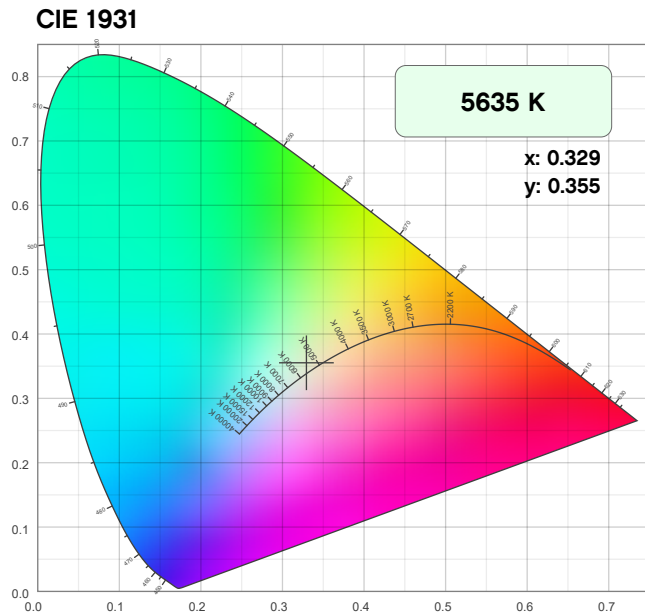
### ISO Lux Diagram



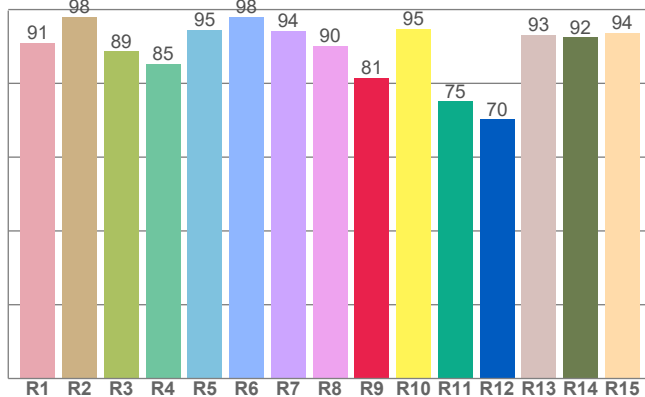
# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 5600K

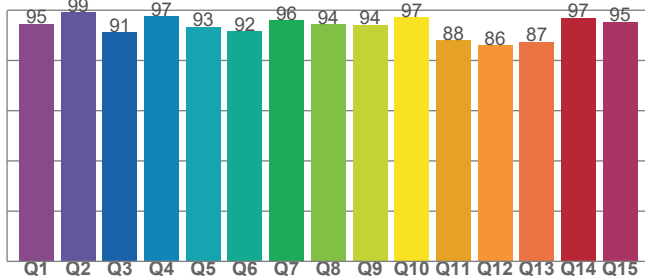
## Chromaticity



**CRI: 92.5 (R1-R8)**



**CQS: 92.5**



**Color Parameters**

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5635 K	0.329	0.355

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0052	0.355	0.199

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.5	81.4	92.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
86	90.7	104.3

# Photometric & Chromaticity Report

onAir Panel 3 IP: Intensifier - 5600K

## TM-30 Details

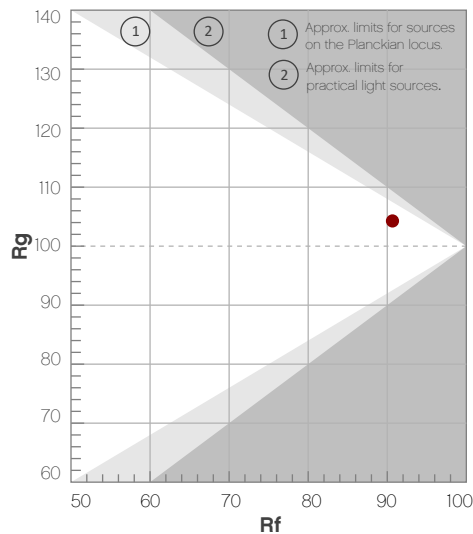
**Rf 90.7**

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

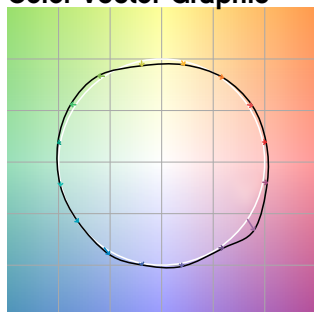
**Rg 104.3**

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

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	92	3%	-1%
2	92	3%	-3%
3	90	1%	-4%
4	91	-3%	-3%
5	90	-5%	1%
6	90	4%	5%
7	89	4%	2%
8	92	2%	1%
9	93	1%	3%
10	93	0%	3%
11	87	3%	7%
12	95	2%	1%
13	94	3%	-1%
14	91	3%	3%
15	85	11%	-5%
16	91	4%	0%



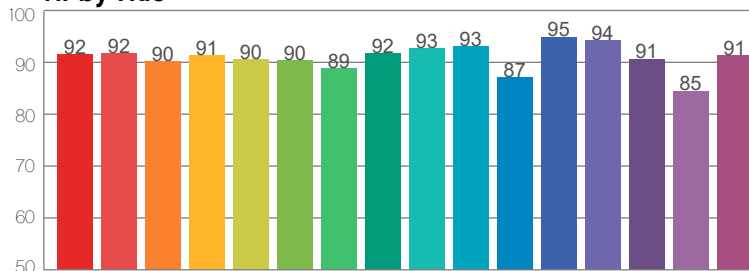
Color Vector Graphic



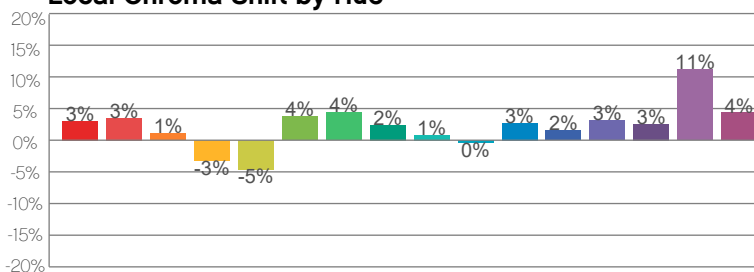
Color Distortion Graphic



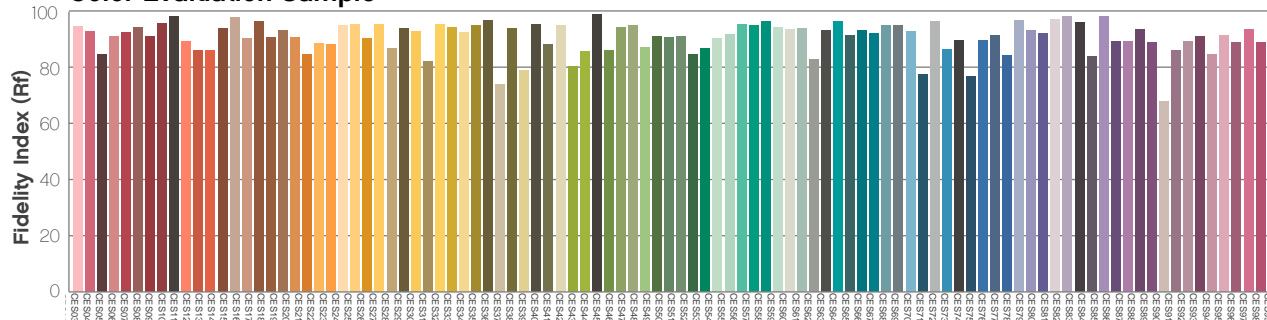
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Contact Us

General Information	Technical Support
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