PHOTOMETRICS REPORT

WELL STX 360

WIRELESS EVENT LED LUMINAIRE

STANDARD OPTICS

CHAUVET PROFESSIONAL

Table of Contents

Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

Photometric Report

Well STX 360: Standard Optic, Full Power

Report Summary

Output

Total Lumens: 1718 lm
Peak Intensity: 137 cd
Illuminance @ 5m: 5 lux
Fixture Efficacy: 18 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

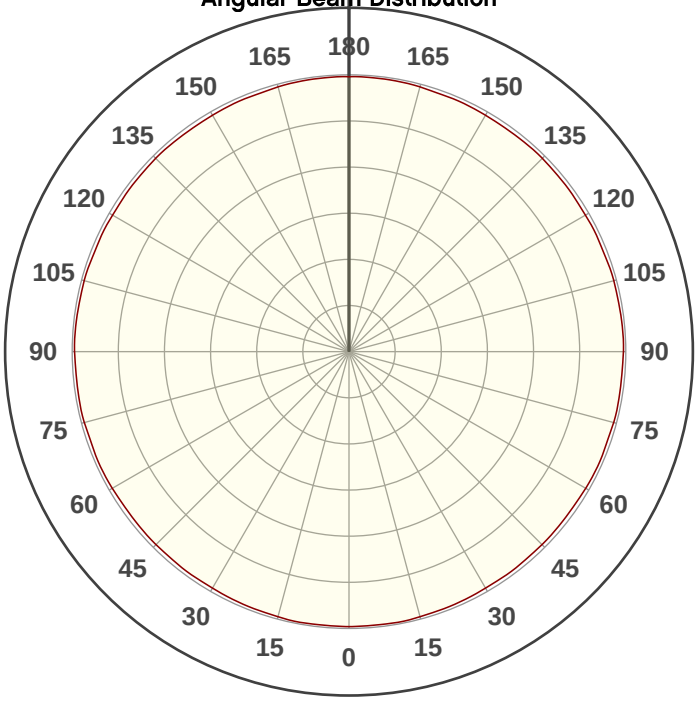
Conditions

AC Supply: 119 V, 60 Hz
Power: 150.72 W
Current: 1.26 A
Power Factor: 0.63

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 1/6/2020 to LM-63-2002 Standards.

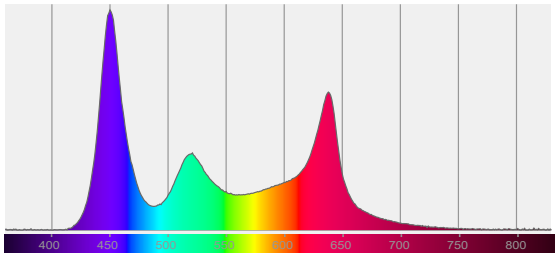
Overall Measurement

Angular Beam Distribution

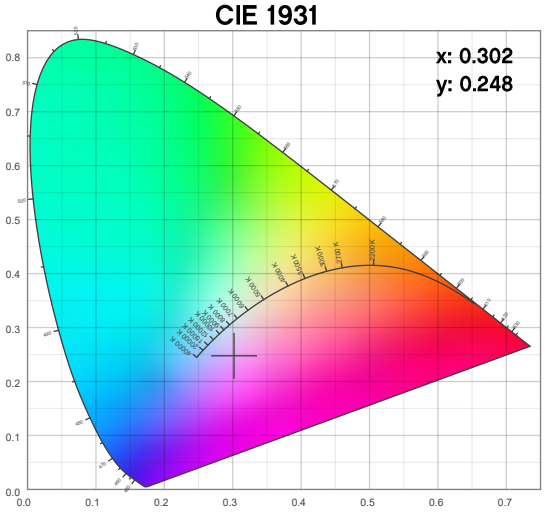


Beam Angle 360°

Spectral Distribution



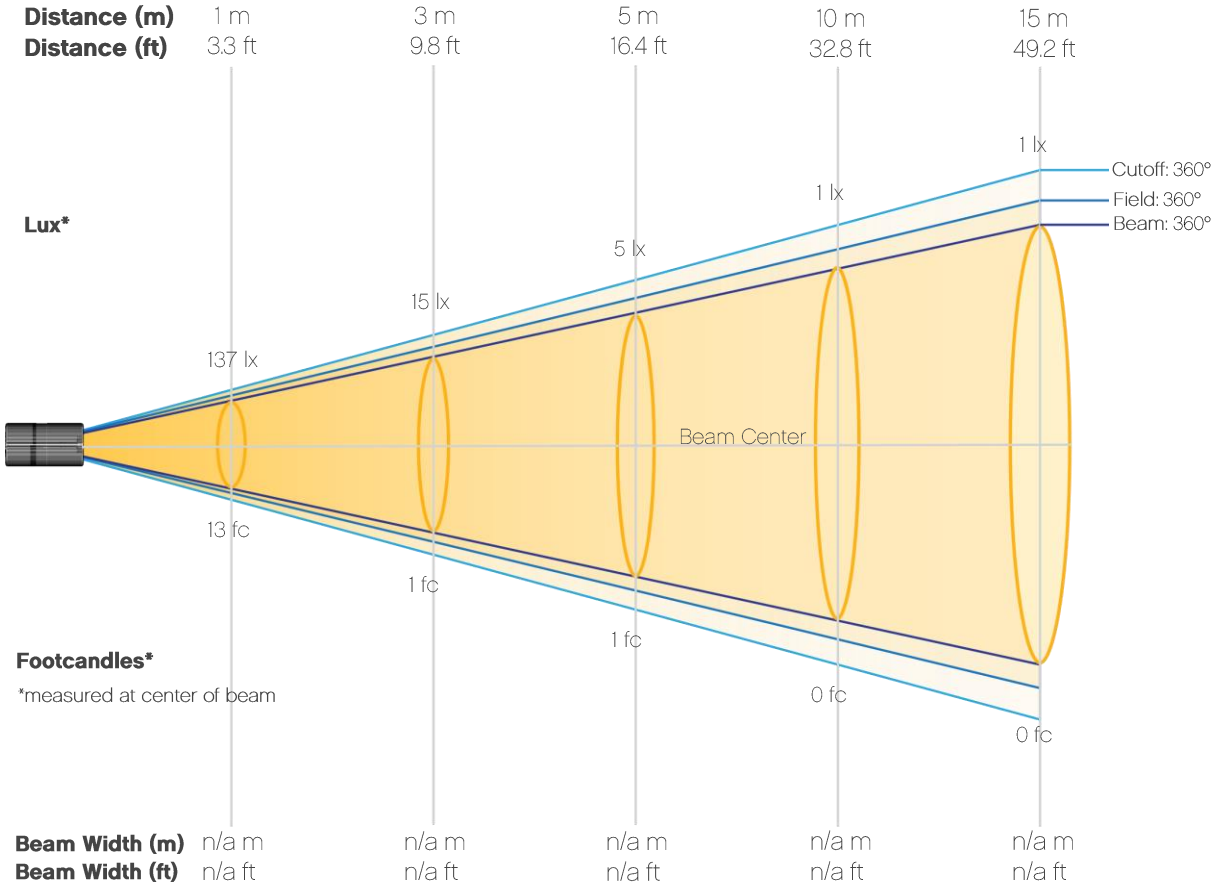
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Full Power

Beam Details



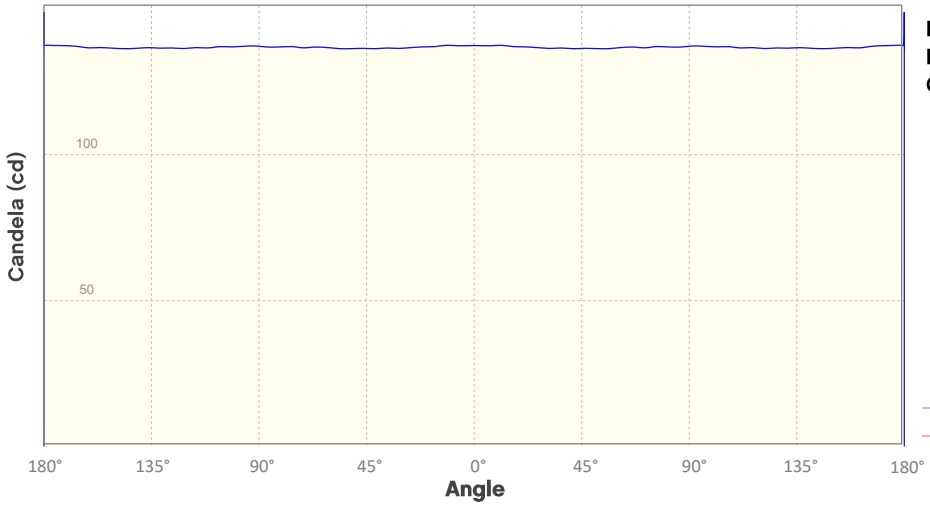
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Full Power

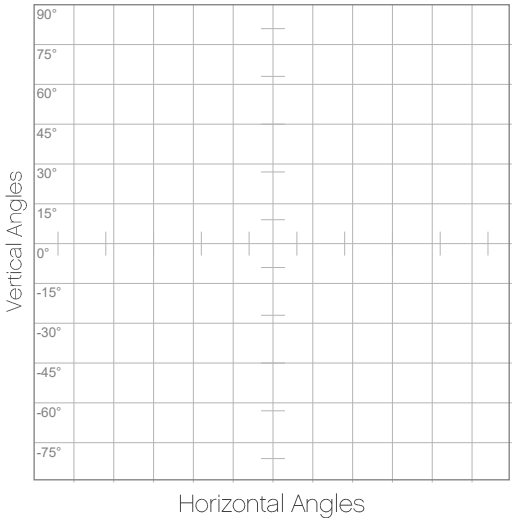
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

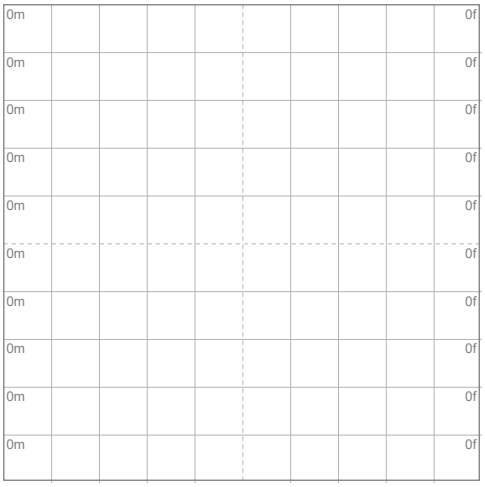
Polar Diagrams



iso-candela Diagram

10%	14 cd
20%	27 cd
30%	41 cd
40%	55 cd
50%	69 cd
60%	82 cd
70%	96 cd
80%	110 cd
90%	124 cd

Conditions:
Number of c-planes: 2
Candela at center: 137 cd



iso-illuminance Diagram

3%	41.2m lx
5%	68.7m lx
10%	0.137 lx
30%	0.412 lx
50%	0.687 lx

Conditions:
Number of c-planes: 2
Lux at center: 1.37 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Full Power

Report Summary

Output

Total Lumens: 994 lm
Peak Intensity: 79.5 cd
Illuminance @ 5m: 3 lux
Fixture Efficacy: 14 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

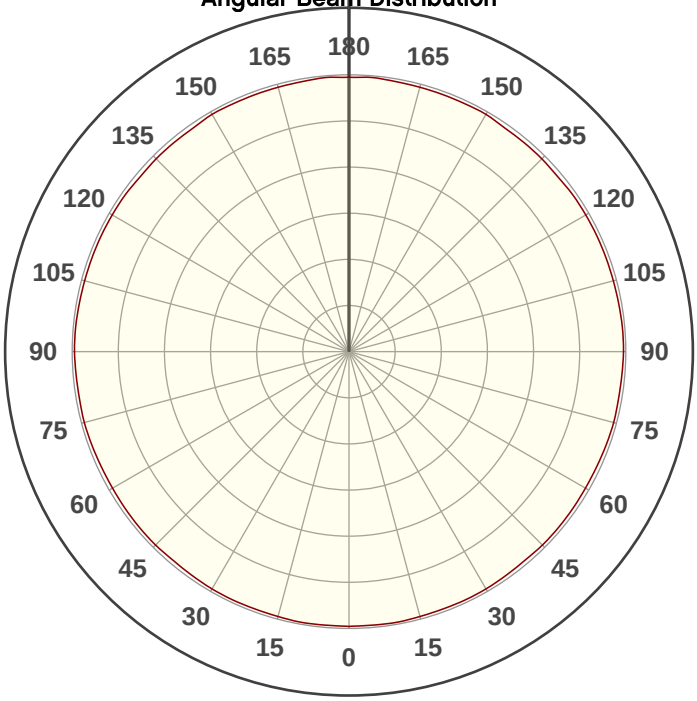
Conditions

AC Supply: 120 V, 60 Hz
Power: 114.23 W
Current: 0.956 A
Power Factor: 0.62

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 1/6/2020 to LM-63-2002 Standards.

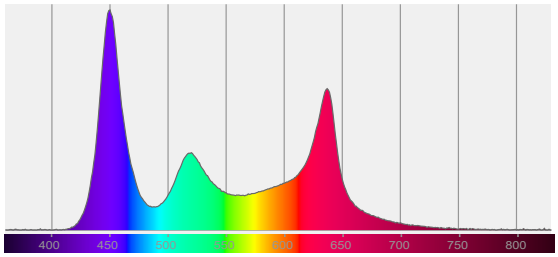
Overall Measurement

Angular Beam Distribution

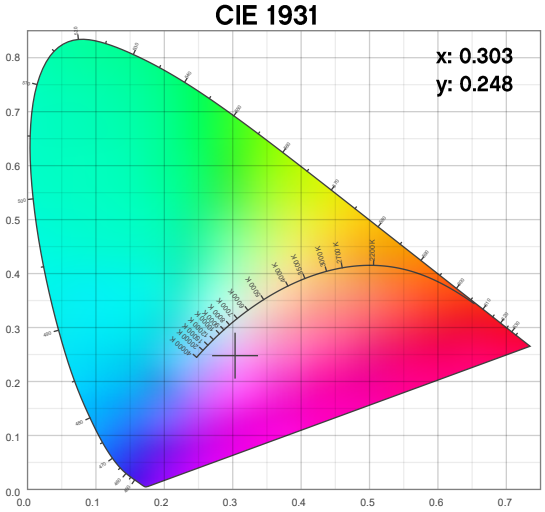


Beam Angle 360°

Spectral Distribution



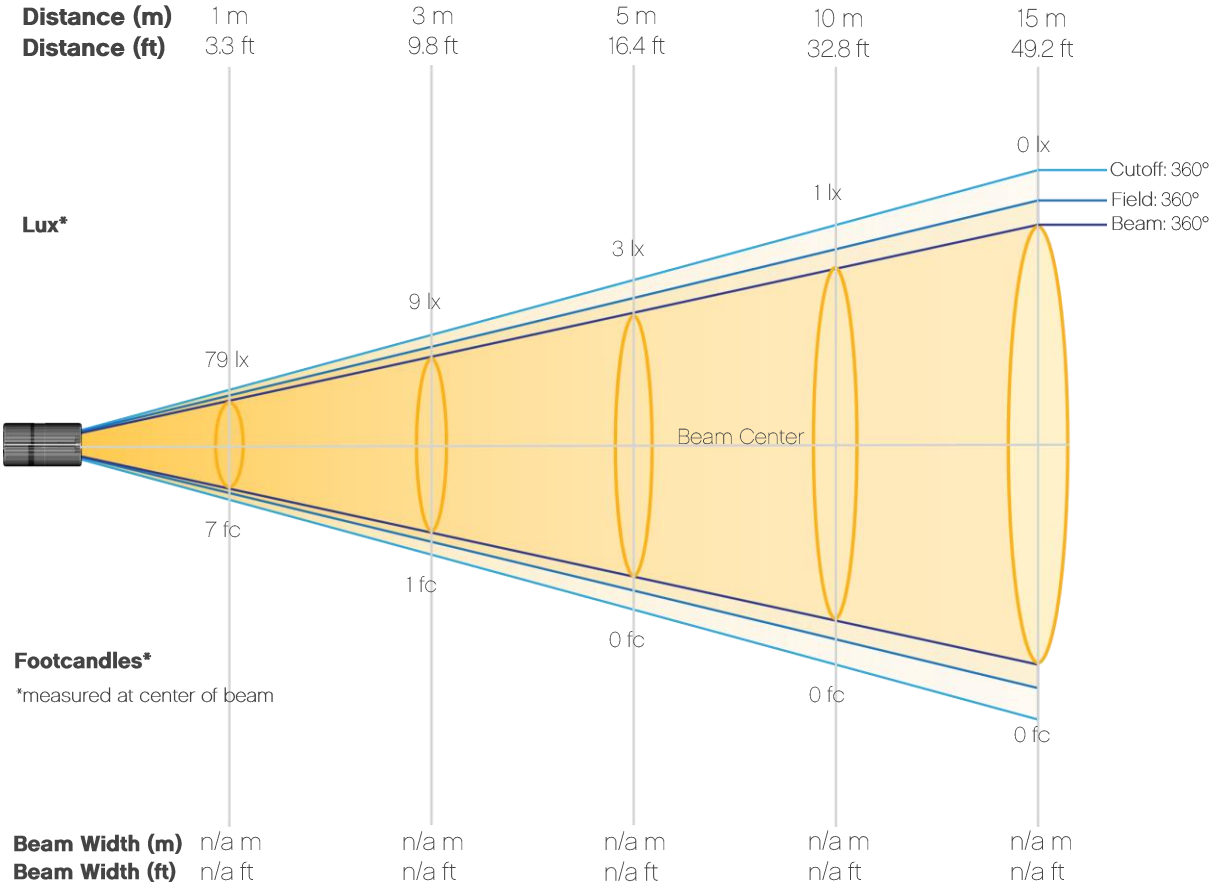
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Full Power

Beam Details



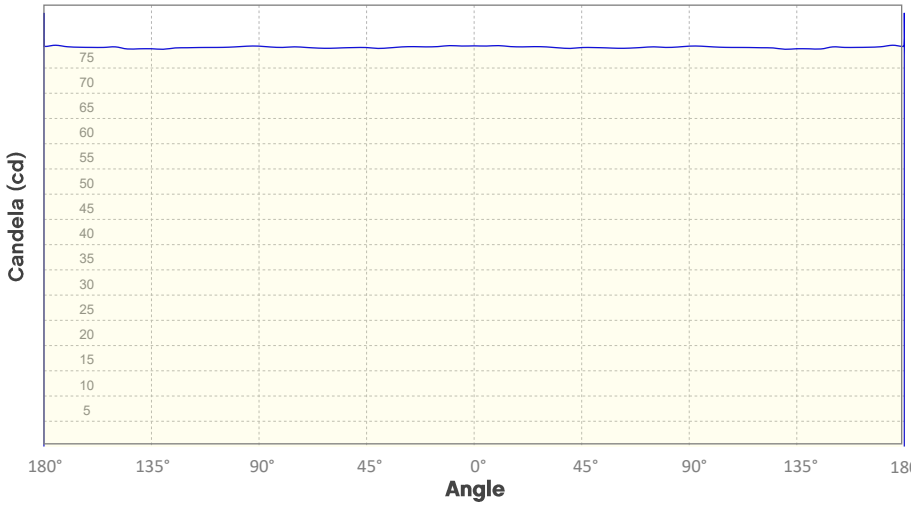
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	79	20	9	5	3	2	2	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	7	2	1	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, Full Power

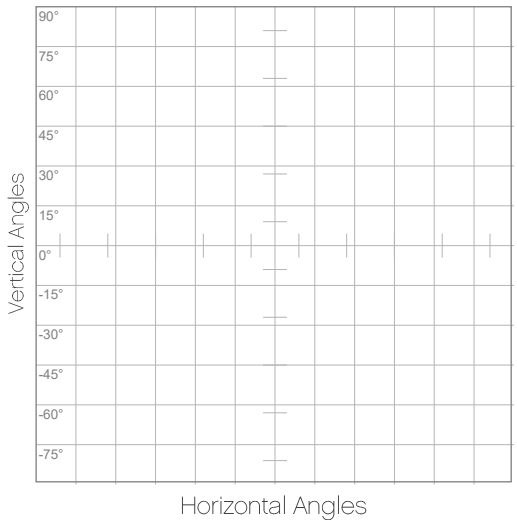
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

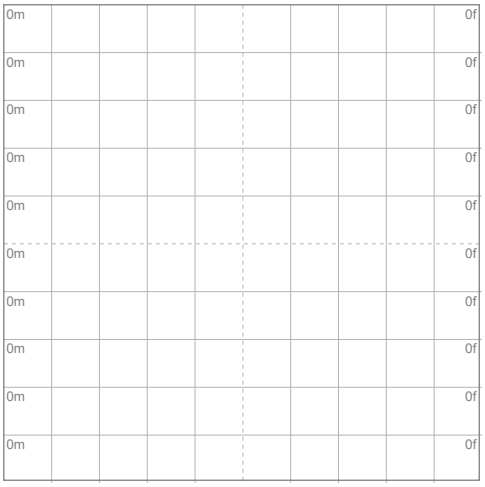
Polar Diagrams



iso-candela Diagram

10%	8 cd
20%	16 cd
30%	24 cd
40%	32 cd
50%	40 cd
60%	48 cd
70%	56 cd
80%	64 cd
90%	71 cd

Conditions:
Number of c-planes: 2
Candela at center: 79 cd



iso-illuminance Diagram

3%	23.8m lx
5%	39.7m lx
10%	79.4m lx
30%	0.238 lx
50%	0.397 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.794 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Full Power

Report Summary

Output

Total Lumens: 590 lm
Peak Intensity: 47.3 cd
Illuminance @ 5m: 2 lux
Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

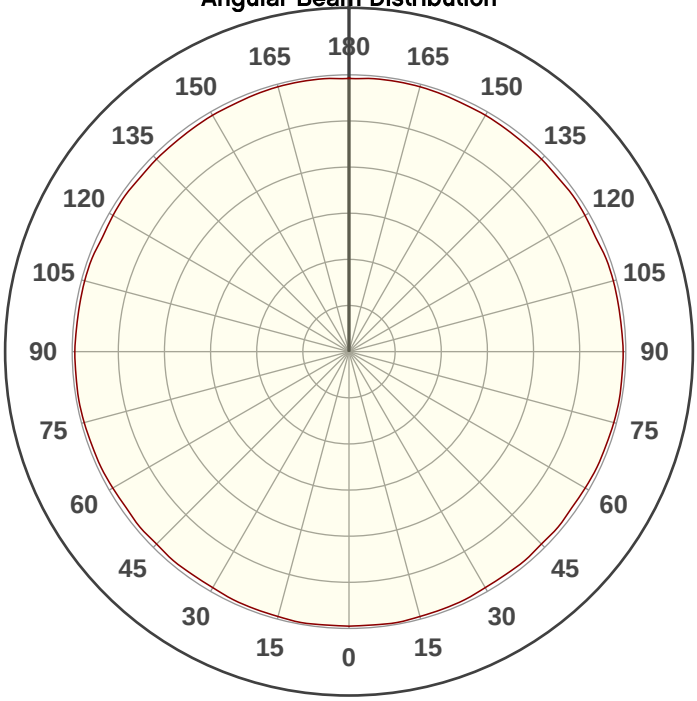
Conditions

AC Supply: 119 V, 60 Hz
Power: 94.25 W
Current: 0.789 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

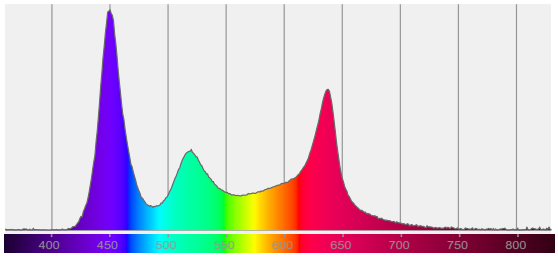
Overall Measurement

Angular Beam Distribution

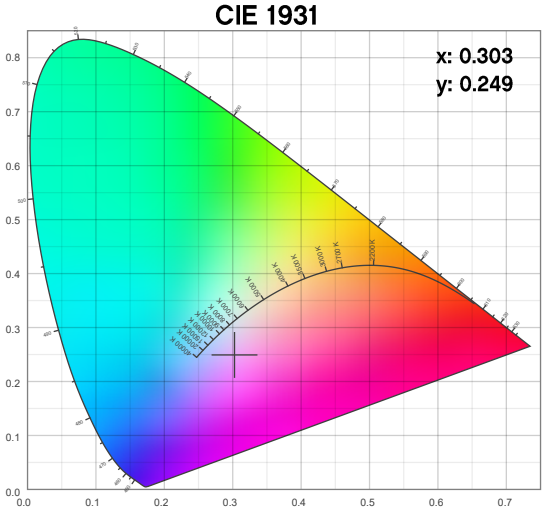


Beam Angle 360°

Spectral Distribution



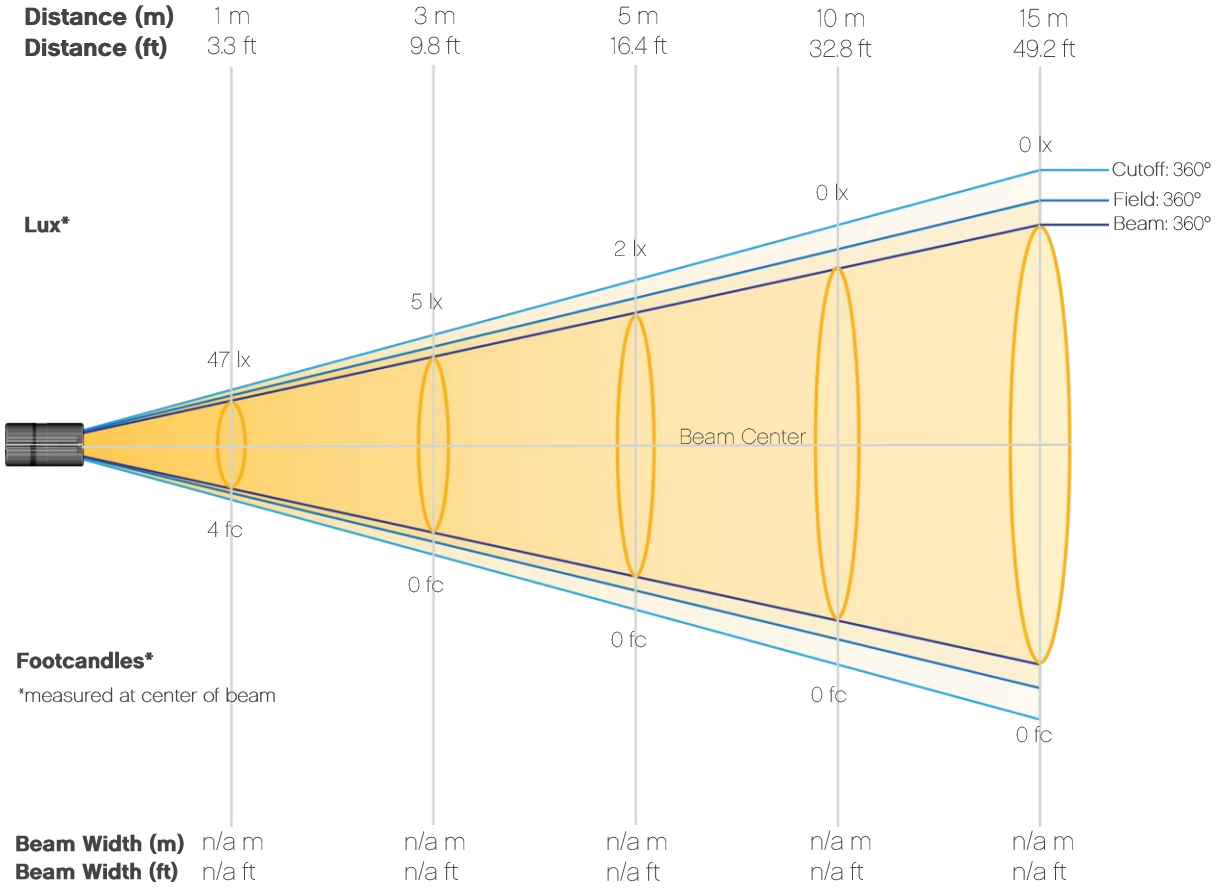
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Full Power

Beam Details



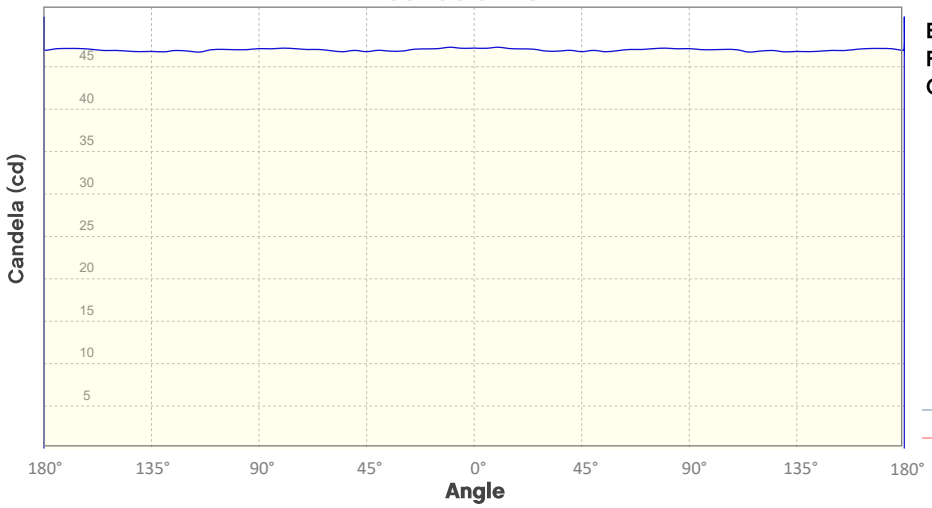
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	47	12	5	3	2	1	1	1	1	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4	1	0	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, Full Power

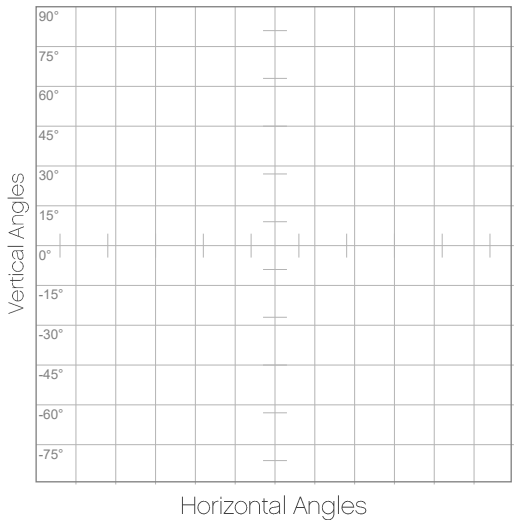
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

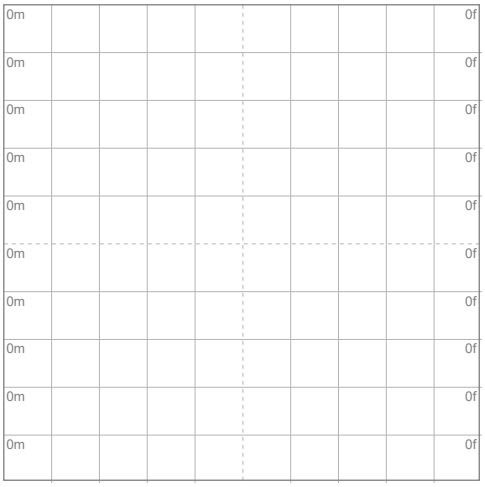
Polar Diagrams



iso-candela Diagram

10%	5 cd
20%	9 cd
30%	14 cd
40%	19 cd
50%	24 cd
60%	28 cd
70%	33 cd
80%	38 cd
90%	42 cd

Conditions:
Number of c-planes: 2
Candela at center: 47 cd



iso-illuminance Diagram

3%	14.2m lx
5%	23.6m lx
10%	47.2m lx
30%	0.142 lx
50%	0.236 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.472 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Full Power

Report Summary

Output

Total Lumens: 397 lm
Peak Intensity: 31.8 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

Conditions

AC Supply: 119 V, 60 Hz
Power: 85.94 W
Current: 0.721 A
Power Factor: 0.61

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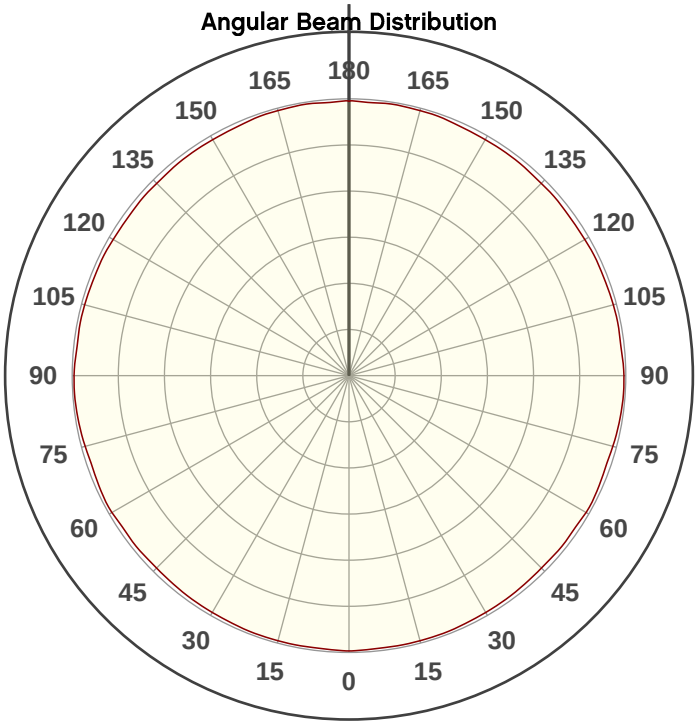
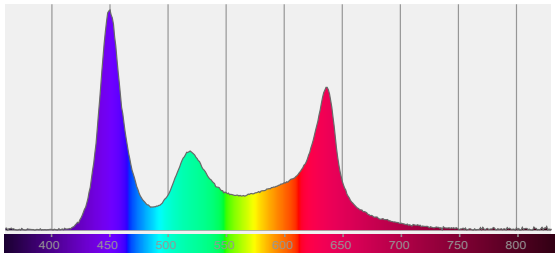
Overall Measurement

Angular Beam Distribution

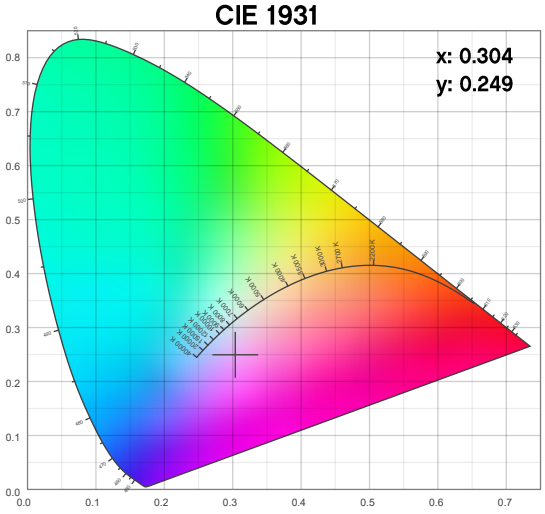


Beam Angle 360°

Spectral Distribution



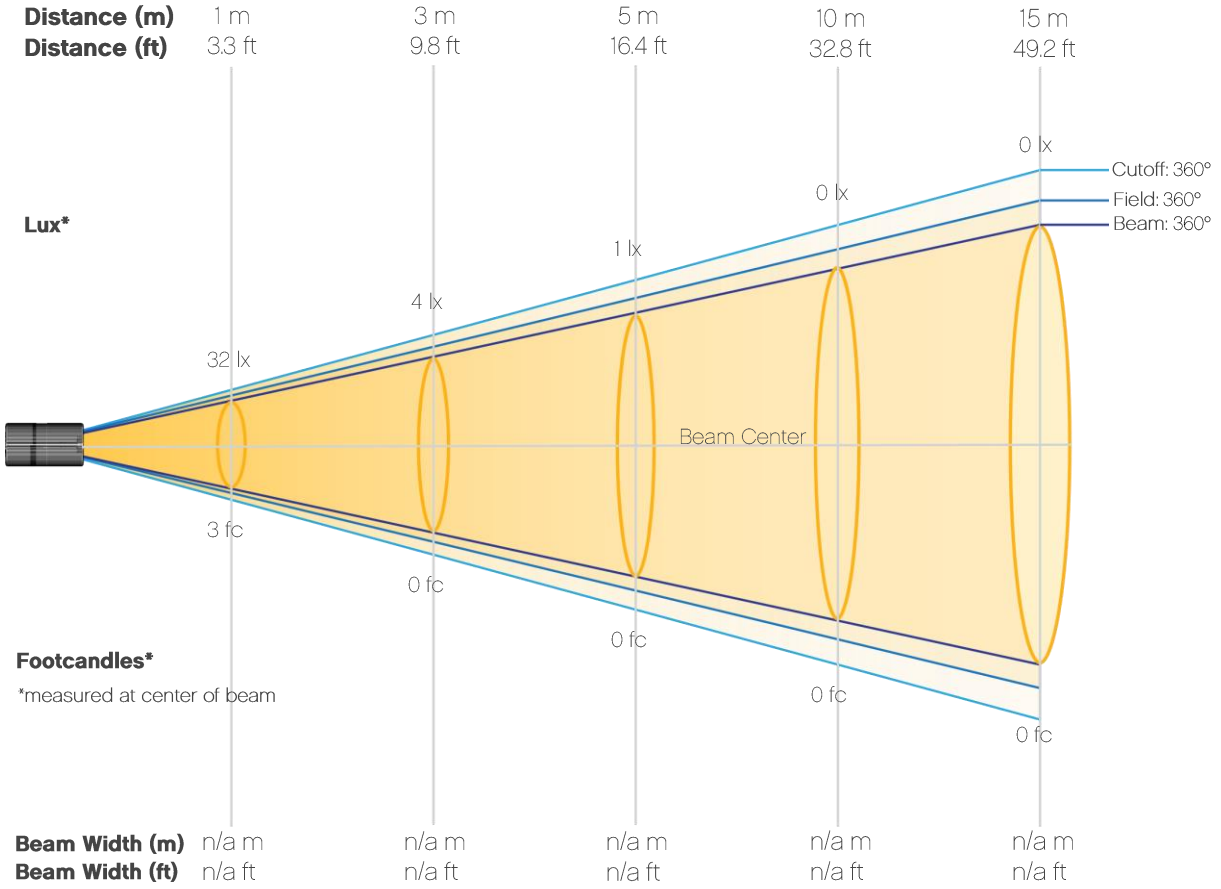
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Full Power

Beam Details



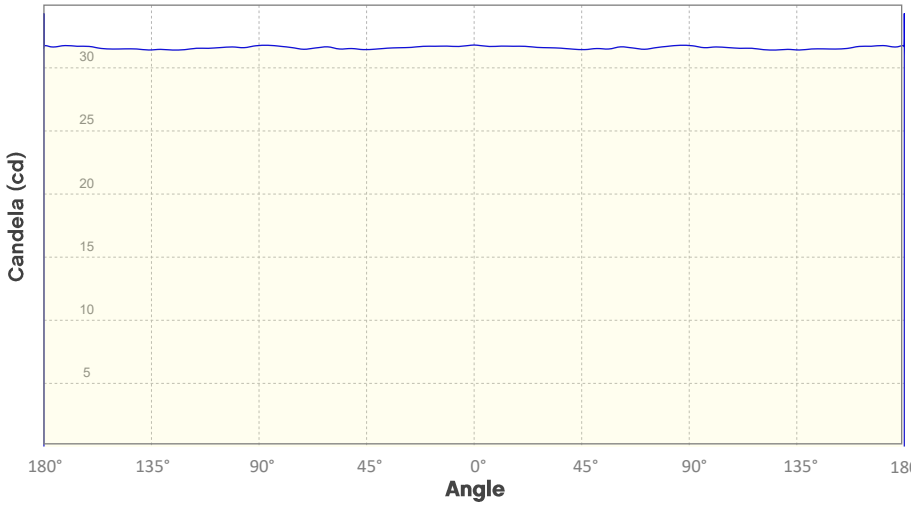
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	32	8	4	2	1	1	1	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	3	1	0	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, Full Power

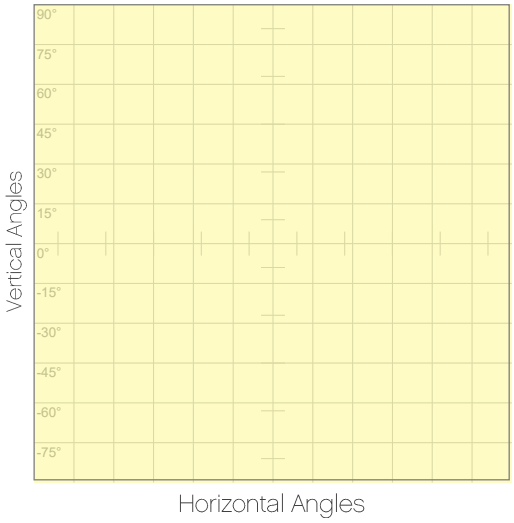
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

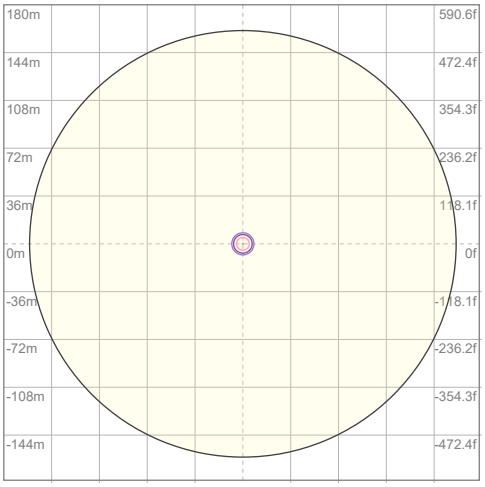
Polar Diagrams



iso-candela Diagram

10%	3 cd
20%	6 cd
30%	10 cd
40%	13 cd
50%	16 cd
60%	19 cd
70%	22 cd
80%	25 cd
90%	29 cd

Conditions:
Number of c-planes: 2
Candela at center: 32 cd



iso-illuminance Diagram

3%	9.54m lx
5%	15.9m lx
10%	31.8m lx
30%	95.4m lx
50%	0.159 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.318 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Red Only

Report Summary

Output

Total Lumens: 246 lm
Peak Intensity: 19.8 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: 4 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

Conditions

AC Supply: 119 V, 60 Hz
Power: 89.71 W
Current: 0.751 A
Power Factor: 0.62

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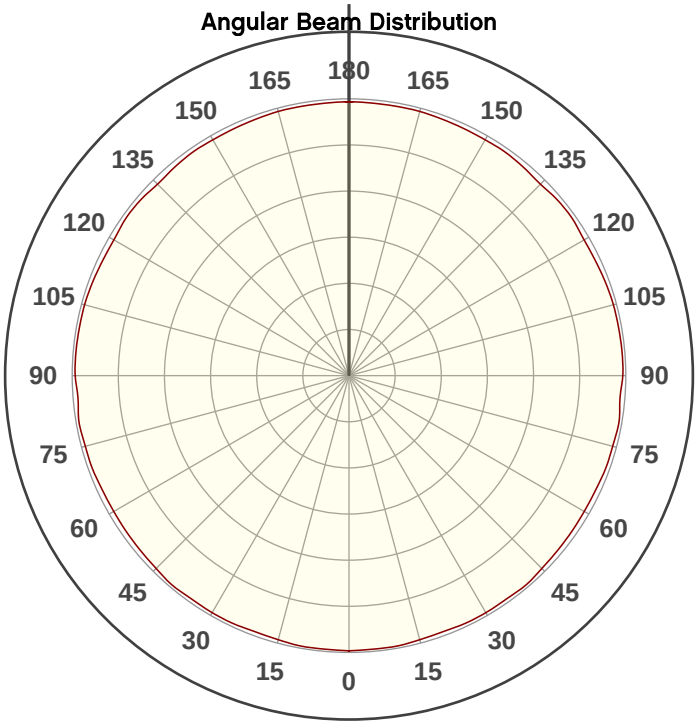
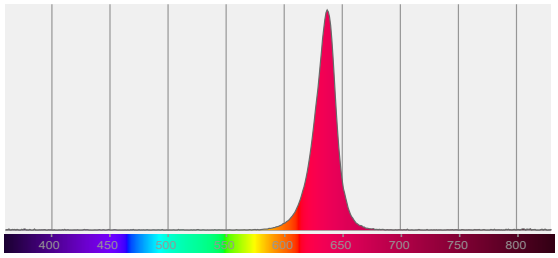
Overall Measurement

Angular Beam Distribution

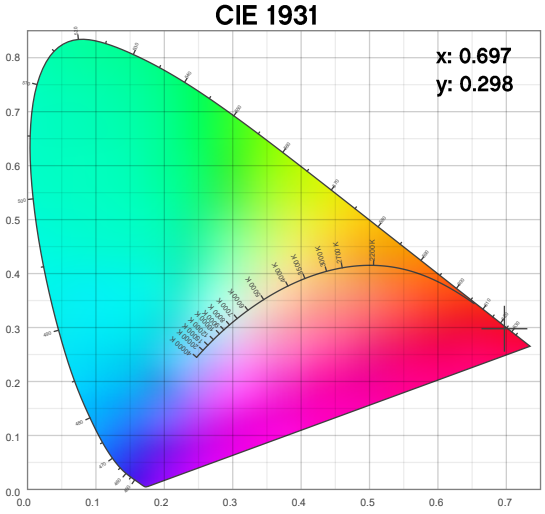


Beam Angle 360°

Spectral Distribution



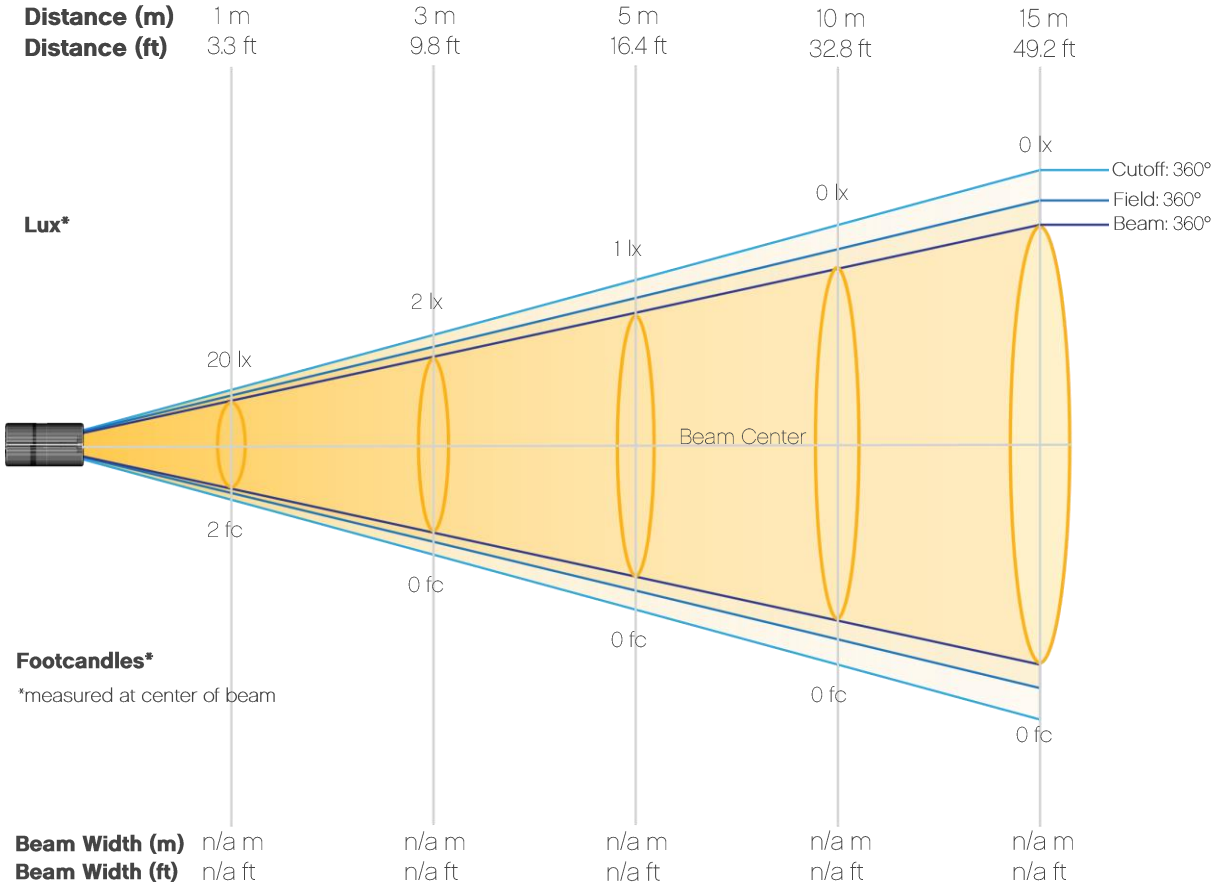
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Red Only

Beam Details

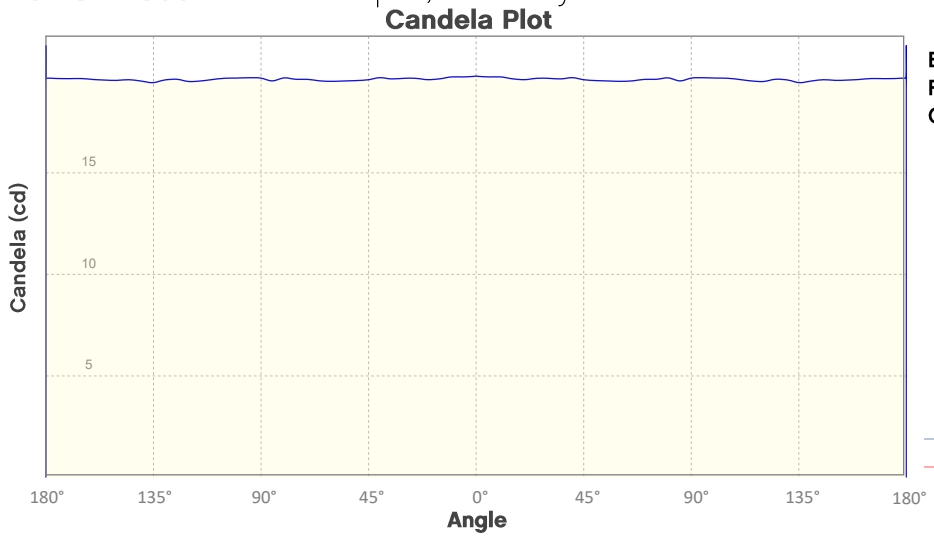


Beam Iluminances from 1-20m (3.3-65.6ft)

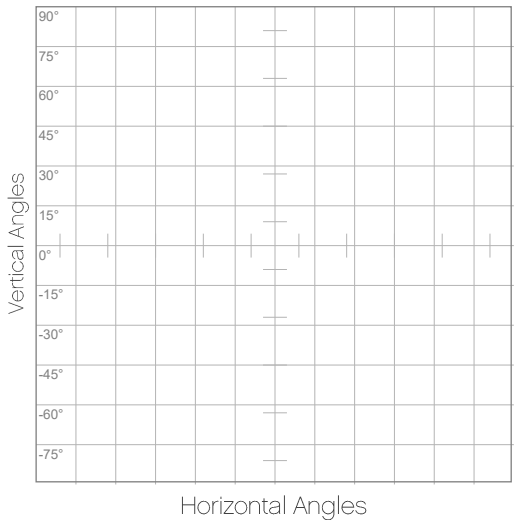
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	20	5	2	1	1	1	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2	0	0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

Photometric Report

Well STX 360: Standard Optic, Red Only



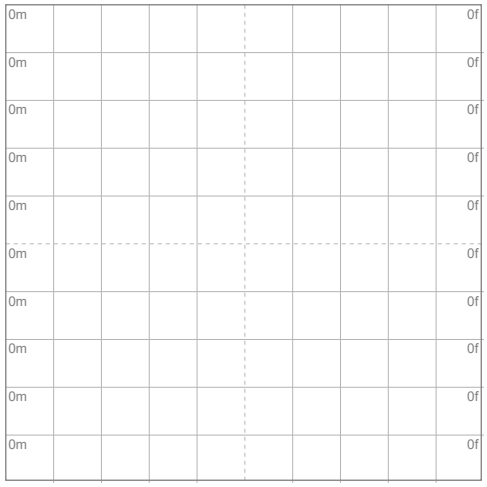
Polar Diagrams



iso-candela Diagram

10%	2 cd
20%	4 cd
30%	6 cd
40%	8 cd
50%	10 cd
60%	12 cd
70%	14 cd
80%	16 cd
90%	18 cd

Conditions:
Number of c-planes: 2
Candela at center: 20 cd



iso-illuminance Diagram

3%	5.93m lx
5%	9.88m lx
10%	19.8m lx
30%	59.3m lx
50%	98.8m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.198 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Red Only

Report Summary

Output

Total Lumens: 241 lm
Peak Intensity: 19.4 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: 4 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

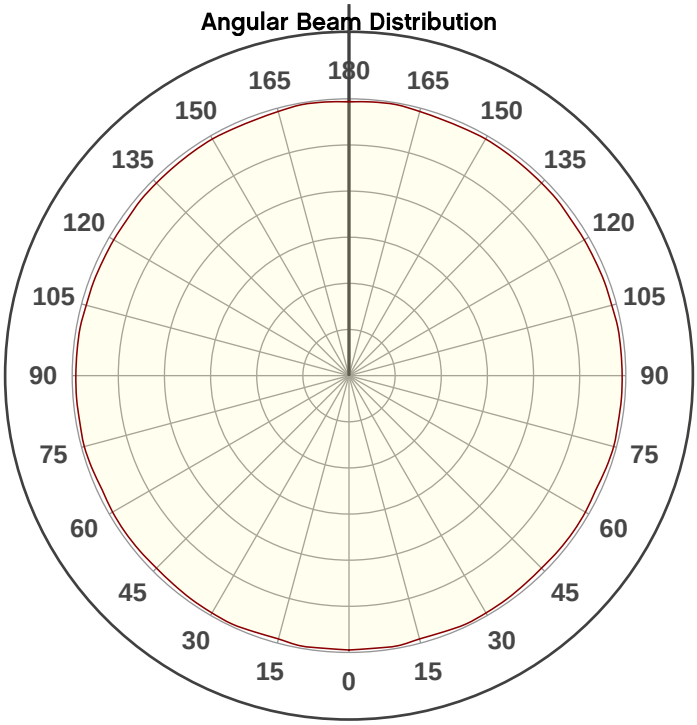
Conditions

AC Supply: 120 V, 60 Hz
Power: 91.8 W
Current: 0.767 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

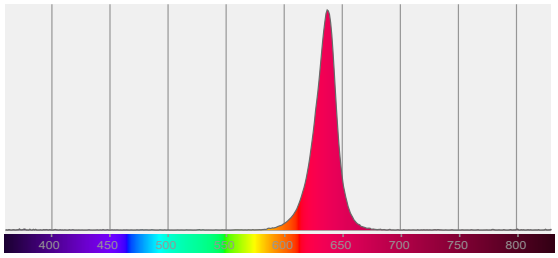
Overall Measurement

Angular Beam Distribution

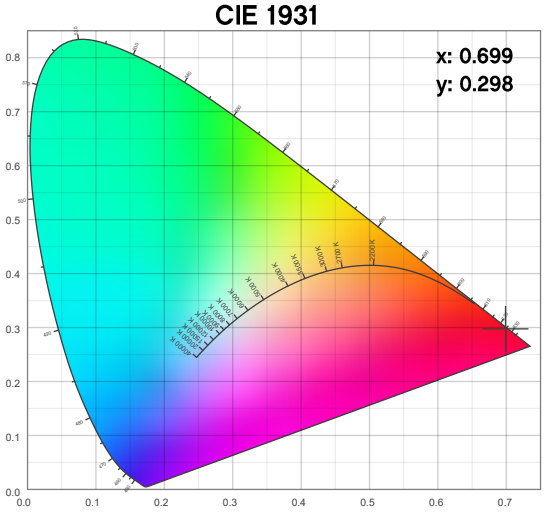


Beam Angle 360°

Spectral Distribution



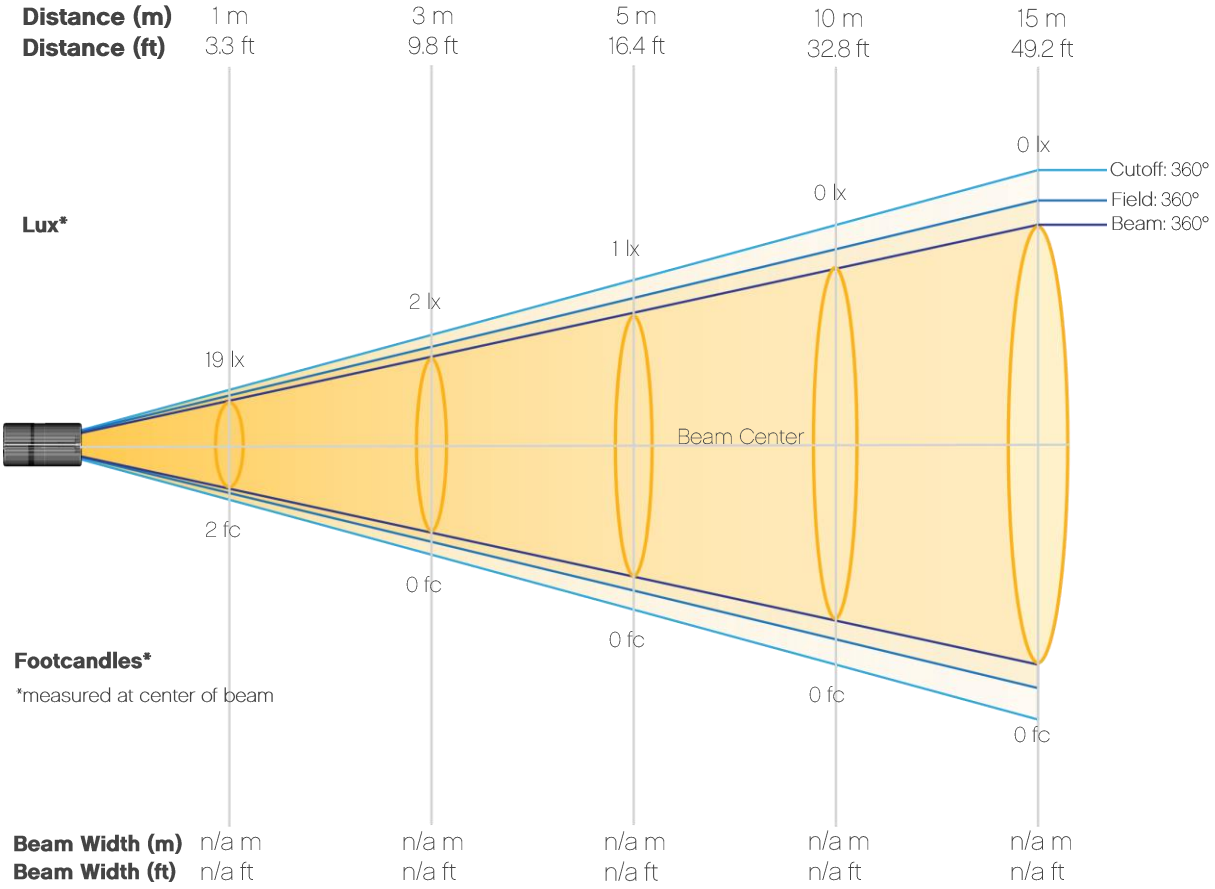
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Red Only

Beam Details



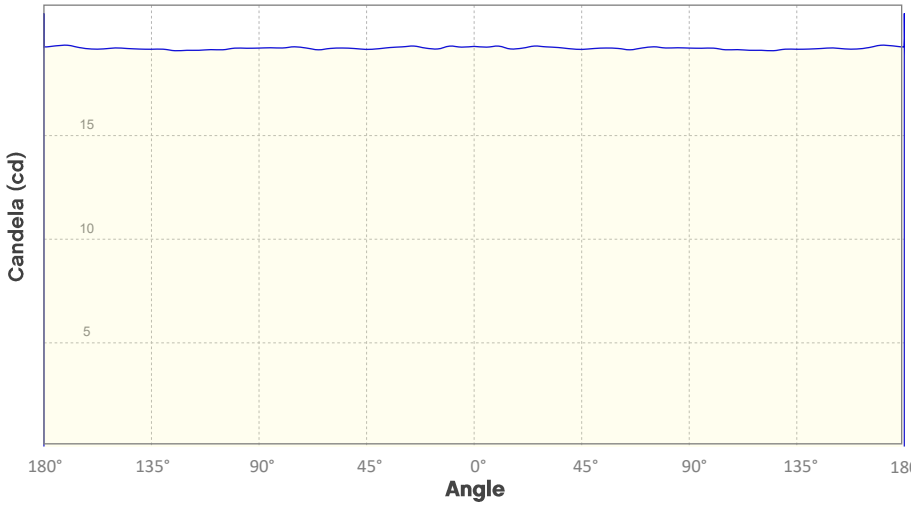
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Red Only

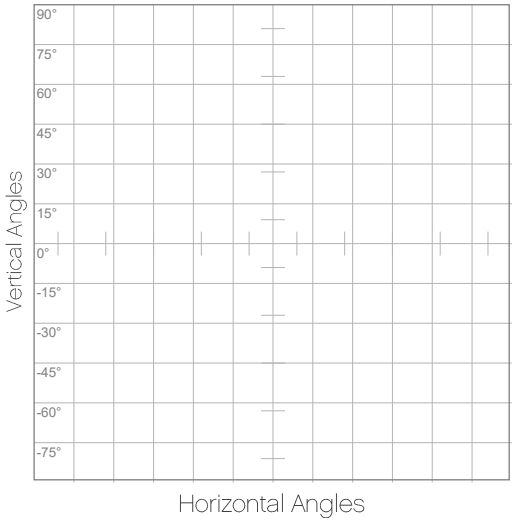
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

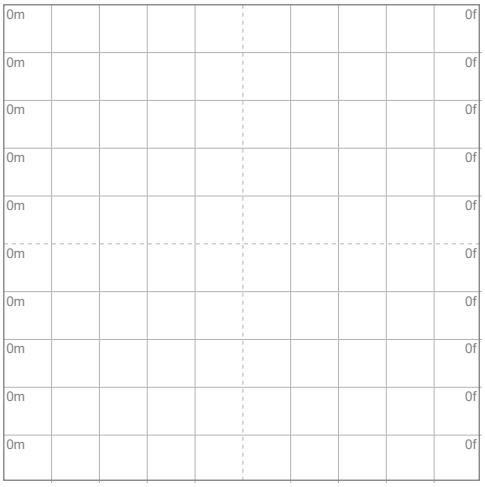
Polar Diagrams



iso-candela Diagram

10%	2 cd
20%	4 cd
30%	6 cd
40%	8 cd
50%	10 cd
60%	12 cd
70%	14 cd
80%	15 cd
90%	17 cd

Conditions:
Number of c-planes: 2
Candela at center: 19 cd



iso-illuminance Diagram

3%	5.79m lx
5%	9.65m lx
10%	19.3m lx
30%	57.9m lx
50%	96.5m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.193 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Red Only

Report Summary

Output

Total Lumens: 237 lm
Peak Intensity: 19.1 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: 4 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

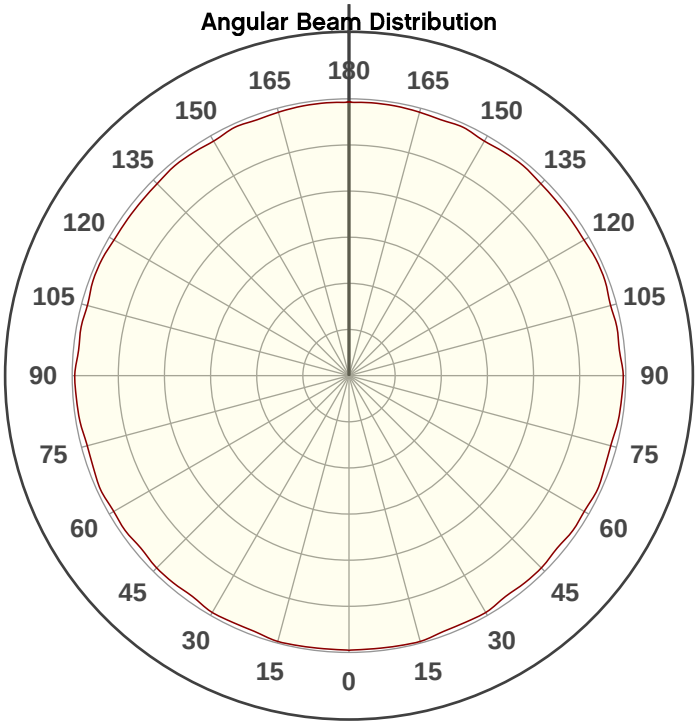
Conditions

AC Supply: 119 V, 60 Hz
Power: 92.44 W
Current: 0.775 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

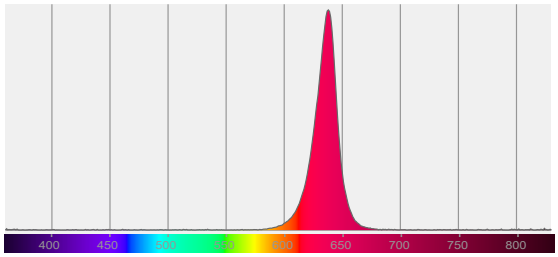
Overall Measurement

Angular Beam Distribution

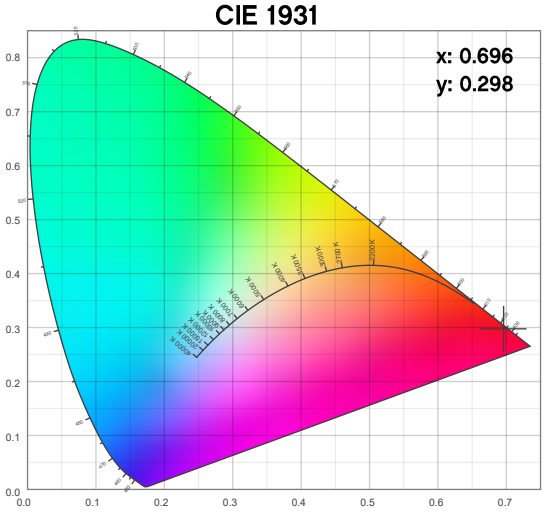


Beam Angle 360°

Spectral Distribution



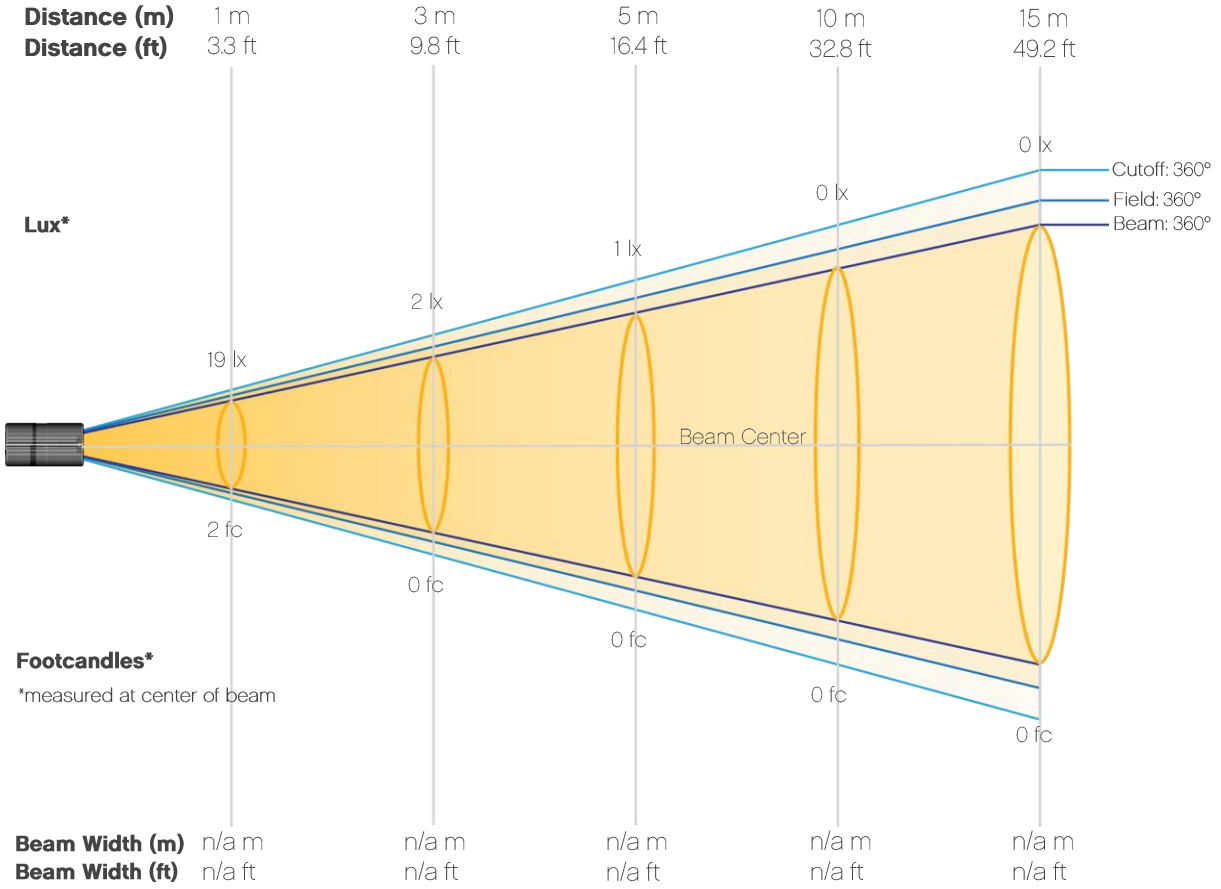
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Red Only

Beam Details



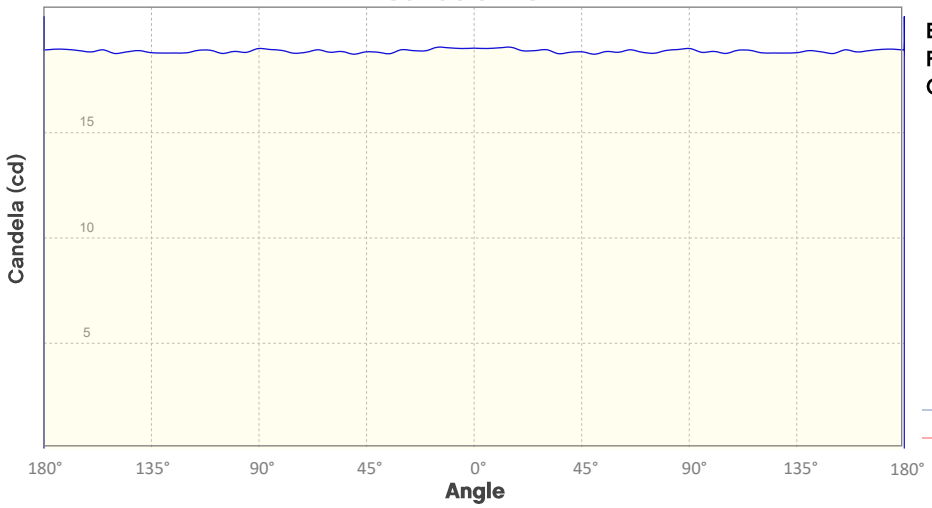
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Red Only

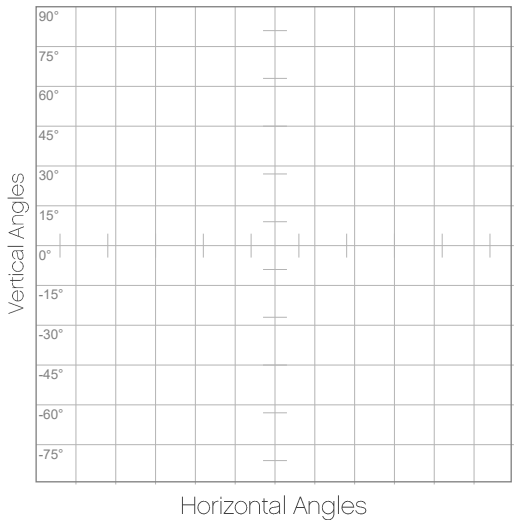
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

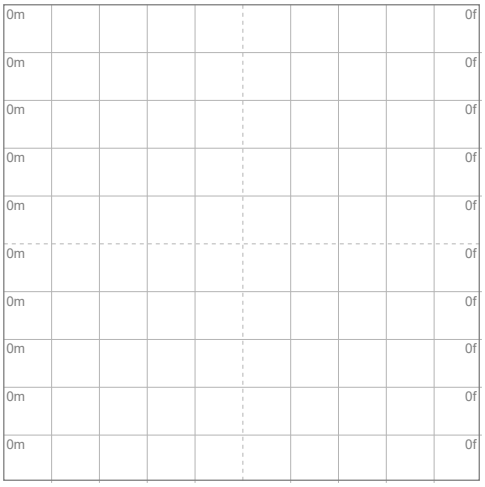
Polar Diagrams



iso-candela Diagram

10%	2 cd
20%	4 cd
30%	6 cd
40%	8 cd
50%	10 cd
60%	11 cd
70%	13 cd
80%	15 cd
90%	17 cd

Conditions:
Number of c-planes: 2
Candela at center: 19 cd



iso-illuminance Diagram

3%	5.70m lx
5%	9.51m lx
10%	19.0m lx
30%	57.0m lx
50%	95.1m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.190 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Red Only

Report Summary

Output

Total Lumens: 174 lm
Peak Intensity: 14.0 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: 3 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

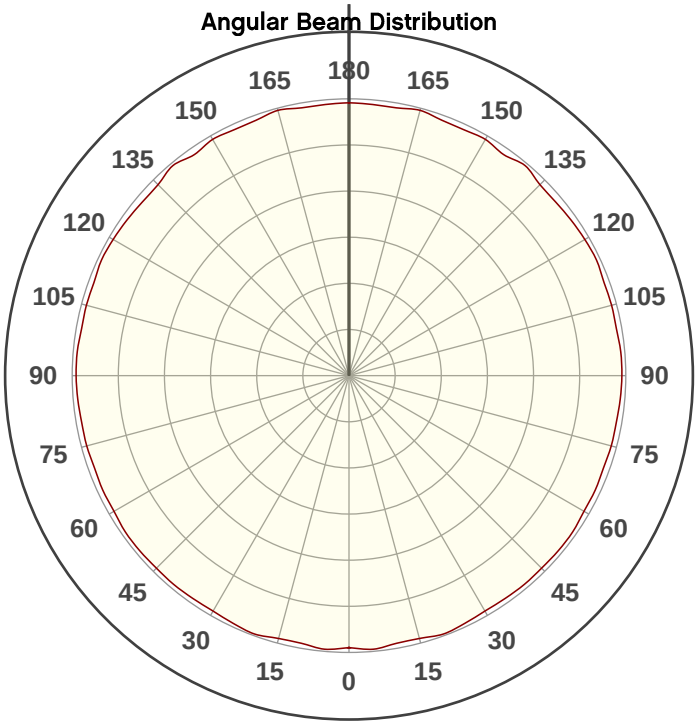
Conditions

AC Supply: 119 V, 60 Hz
Power: 85.43 W
Current: 0.717 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

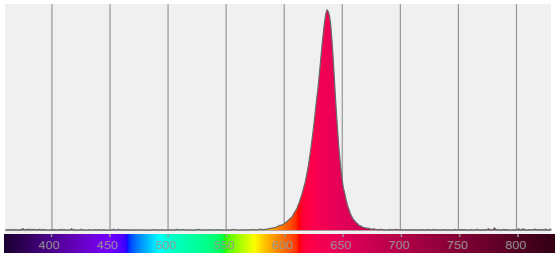
Overall Measurement

Angular Beam Distribution

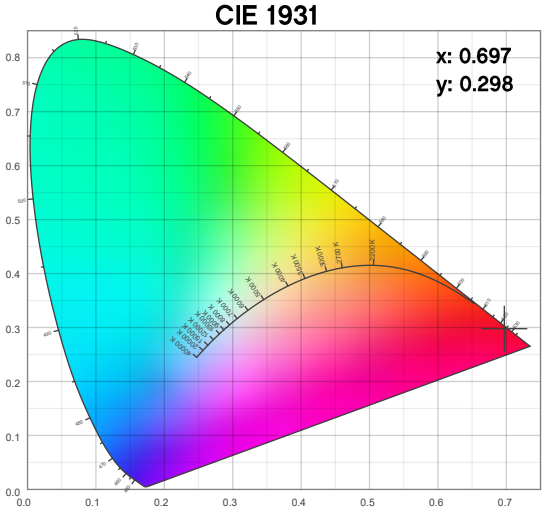


Beam Angle 360°

Spectral Distribution



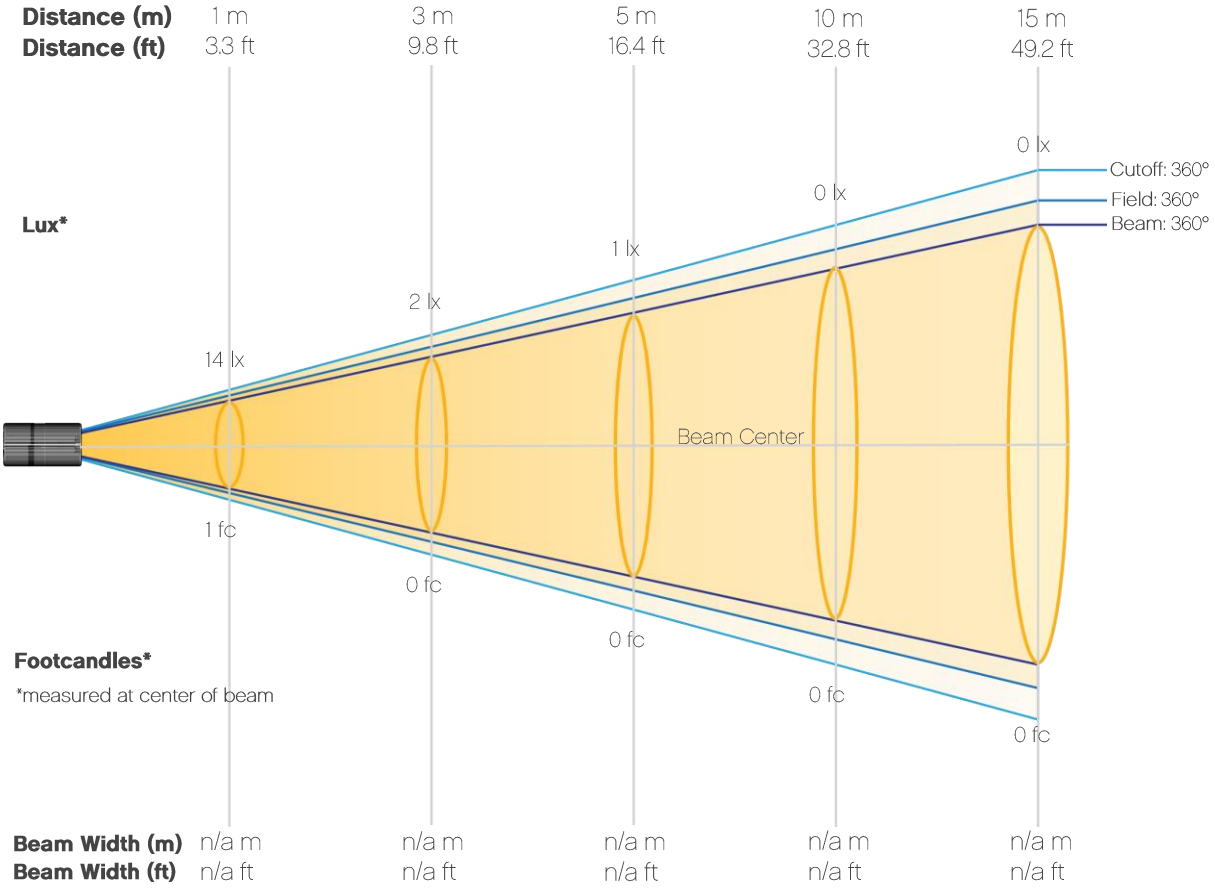
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Red Only

Beam Details



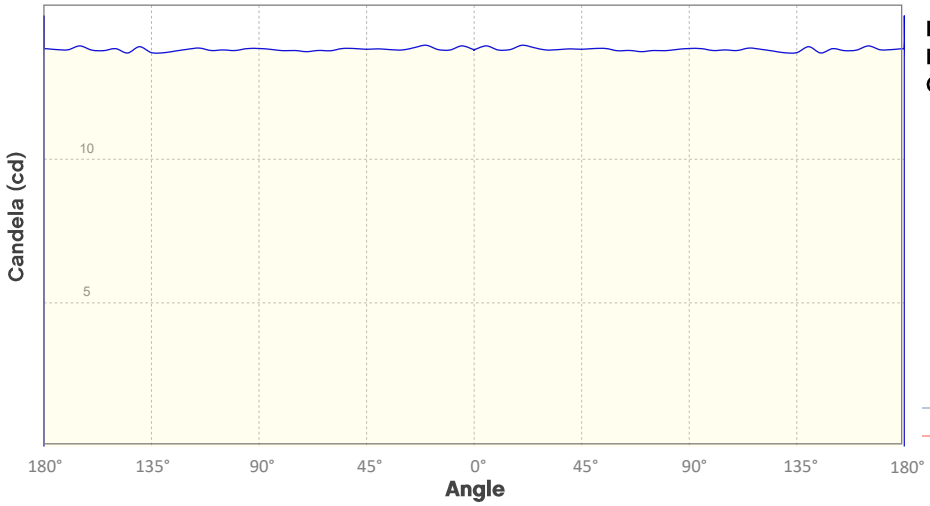
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Red Only

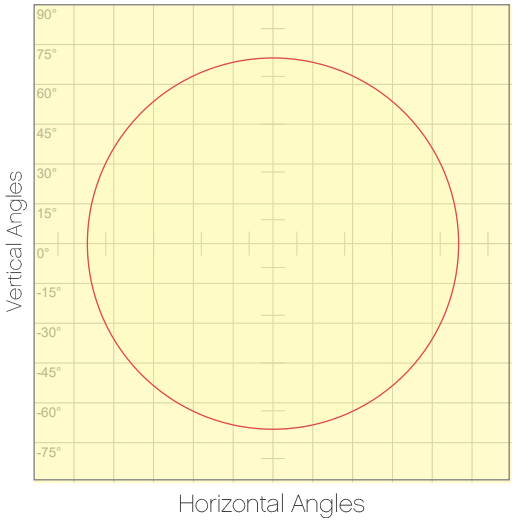
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

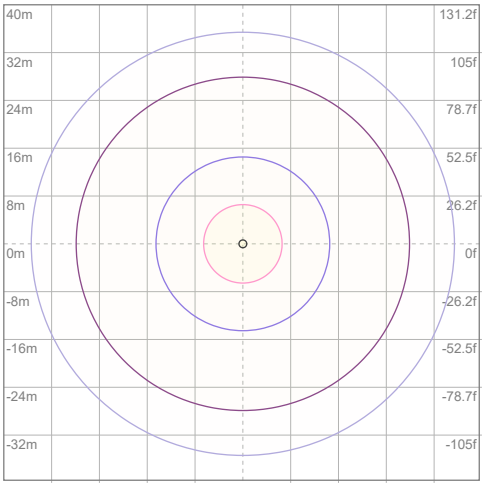
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	3 cd
30%	4 cd
40%	6 cd
50%	7 cd
60%	8 cd
70%	10 cd
80%	11 cd
90%	12 cd

Conditions:
Number of c-planes: 2
Candela at center: 14 cd



iso-illuminance Diagram

3%	4.14m lx
5%	6.91m lx
10%	13.8m lx
30%	41.4m lx
50%	69.1m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.138 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Green Only

Report Summary

Output

Total Lumens: 609 lm
Peak Intensity: 48.7 cd
Illuminance @ 5m: 2 lux
Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

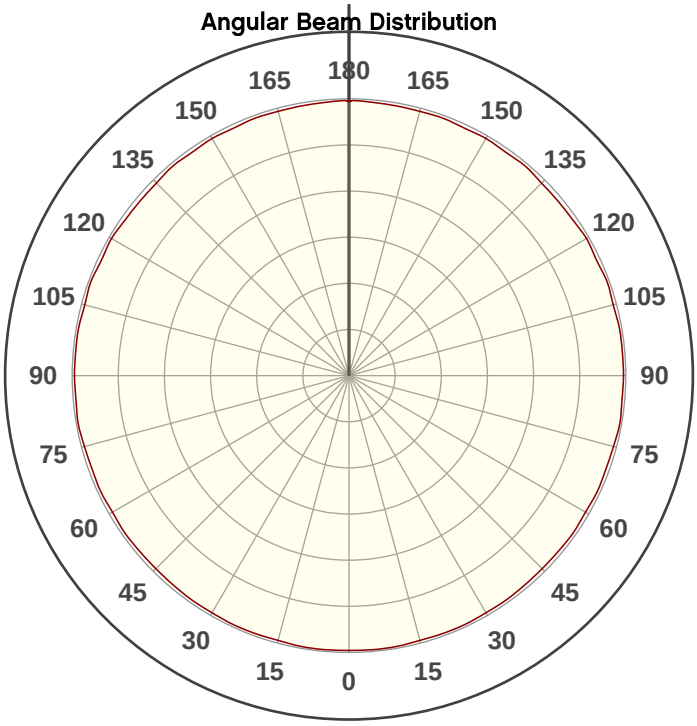
Conditions

AC Supply: 119 V, 60.1 Hz
Power: 90.34 W
Current: 0.758 A
Power Factor: 0.62

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 1/6/2020 to LM-63-2002 Standards.

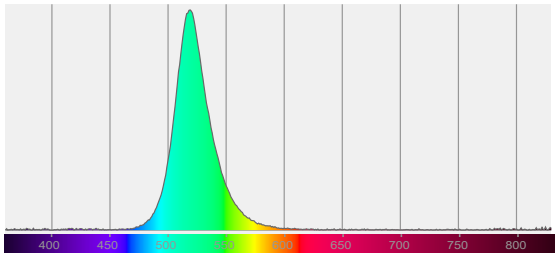
Overall Measurement

Angular Beam Distribution

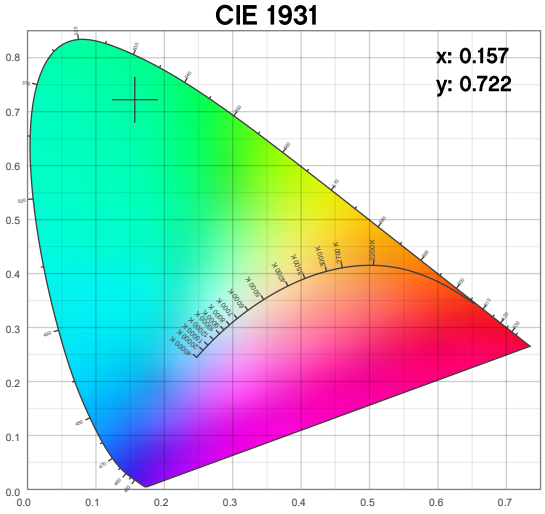


Beam Angle 360°

Spectral Distribution



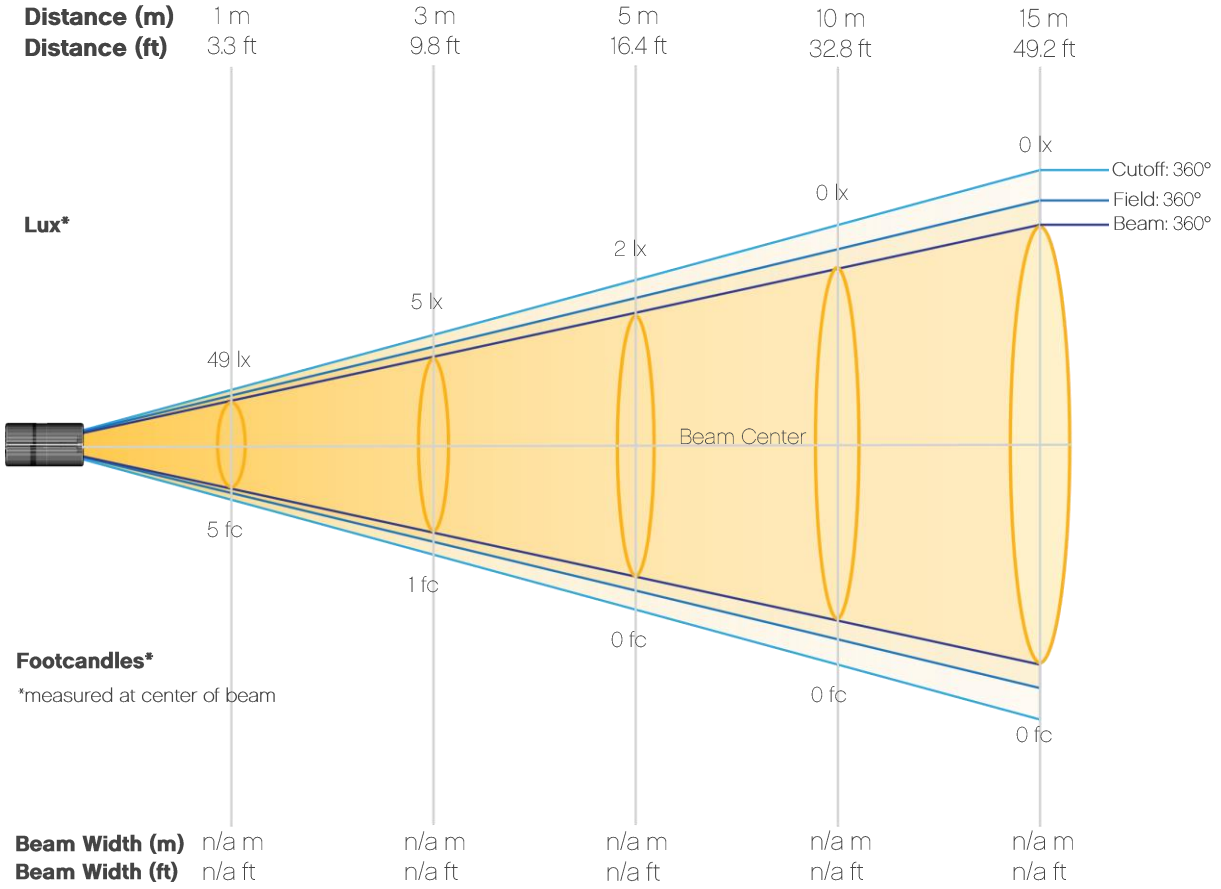
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Green Only

Beam Details



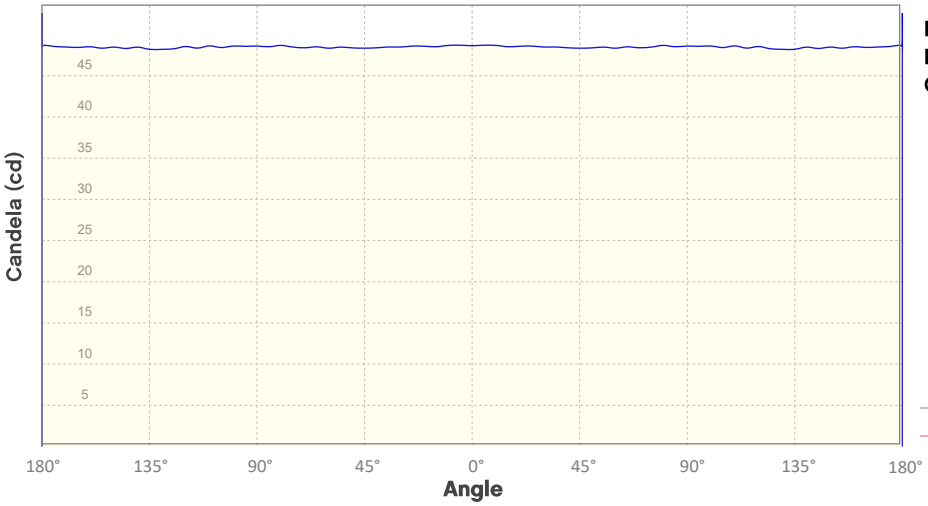
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	49	12	5	3	2	1	1	1	1	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	5	1	1	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, Green Only

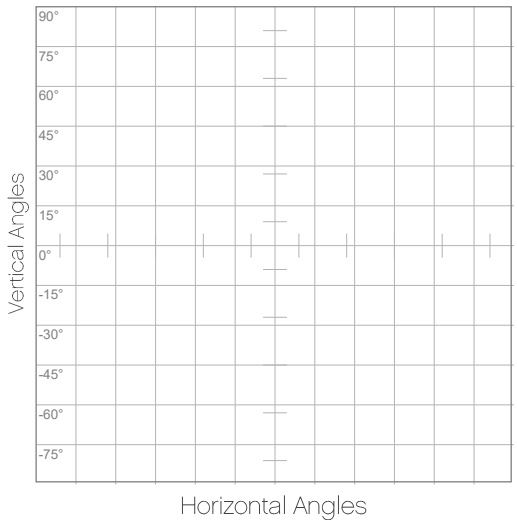
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

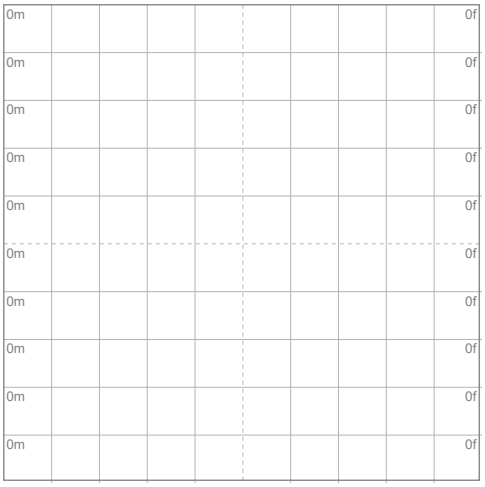
Polar Diagrams



iso-candela Diagram

10%	5 cd
20%	10 cd
30%	15 cd
40%	19 cd
50%	24 cd
60%	29 cd
70%	34 cd
80%	39 cd
90%	44 cd

Conditions:
Number of c-planes: 2
Candela at center: 49 cd



iso-illuminance Diagram

3%	14.6m lx
5%	24.3m lx
10%	48.7m lx
30%	0.146 lx
50%	0.243 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.487 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Green Only

Report Summary

Output

Total Lumens: 607 lm
Peak Intensity: 48.5 cd
Illuminance @ 5m: 2 lux
Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

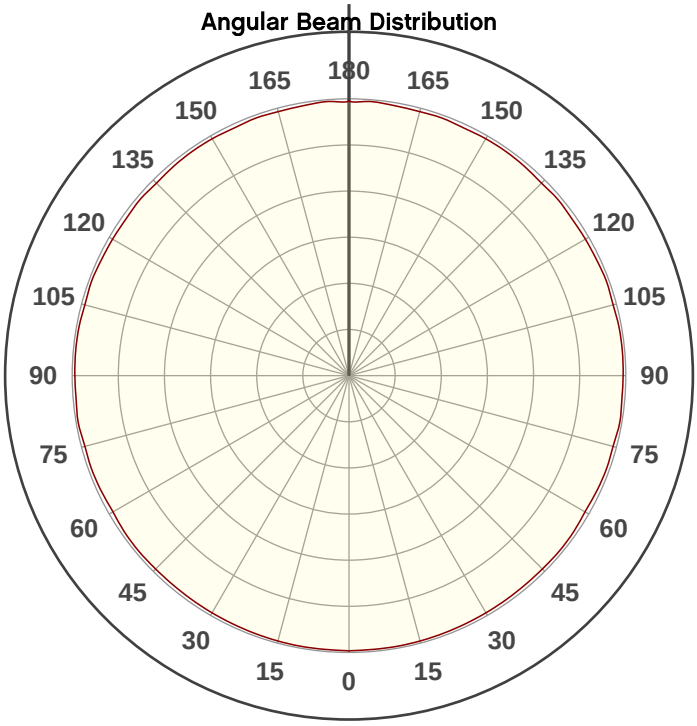
Conditions

AC Supply: 120 V, 60 Hz
Power: 91.22 W
Current: 0.763 A
Power Factor: 0.62

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 1/6/2020 to LM-63-2002 Standards.

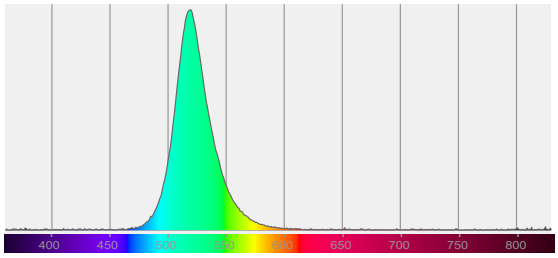
Overall Measurement

Angular Beam Distribution

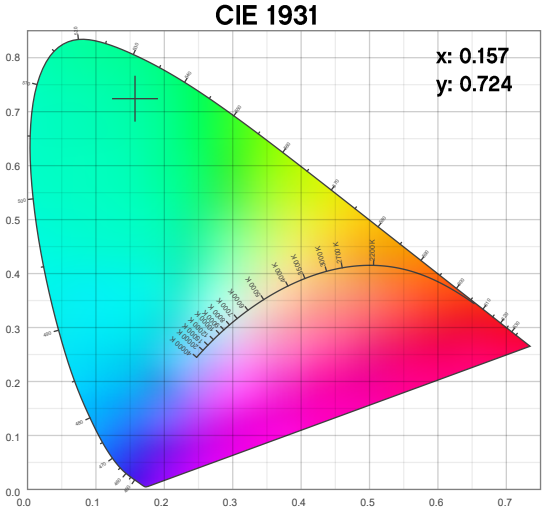


Beam Angle 360°

Spectral Distribution



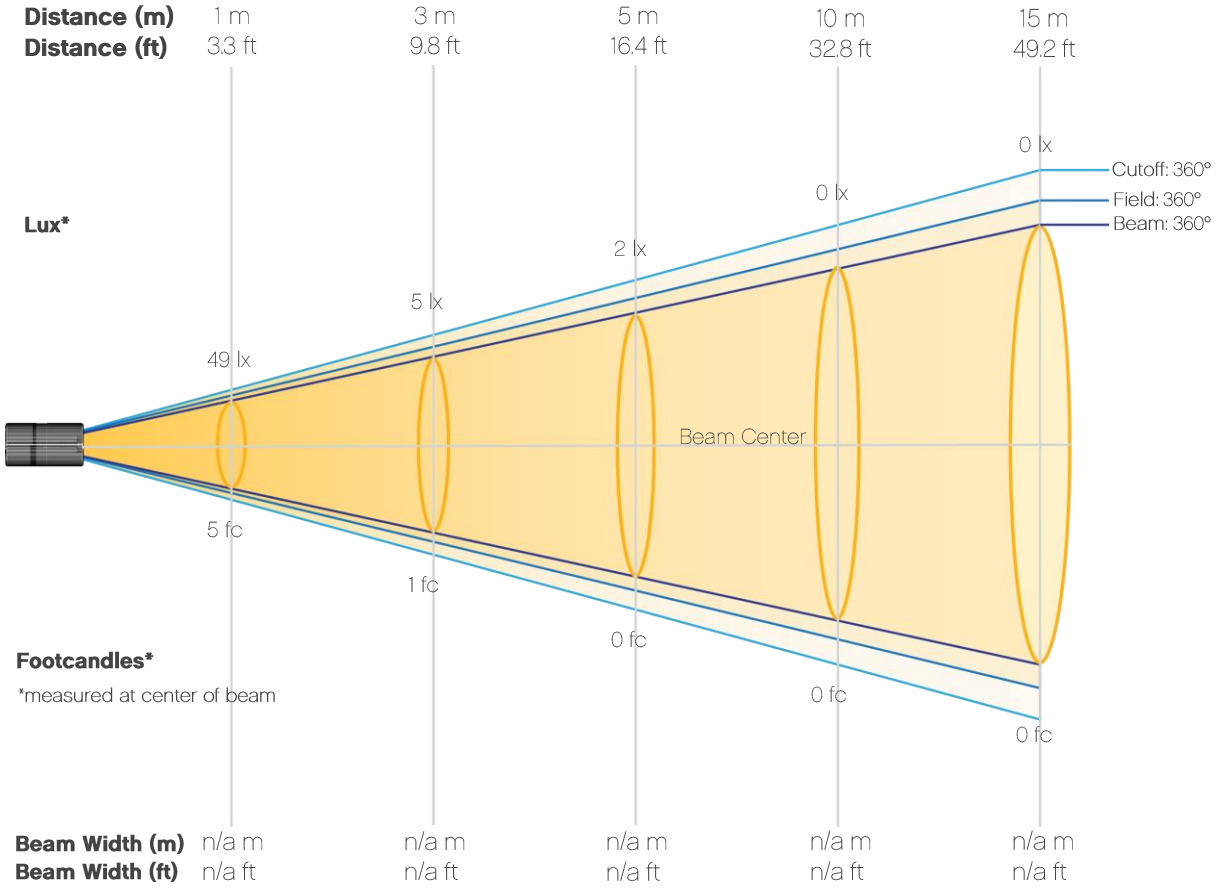
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Green Only

Beam Details



Beam Iluminances from 1-20m (3.3-65.6ft)

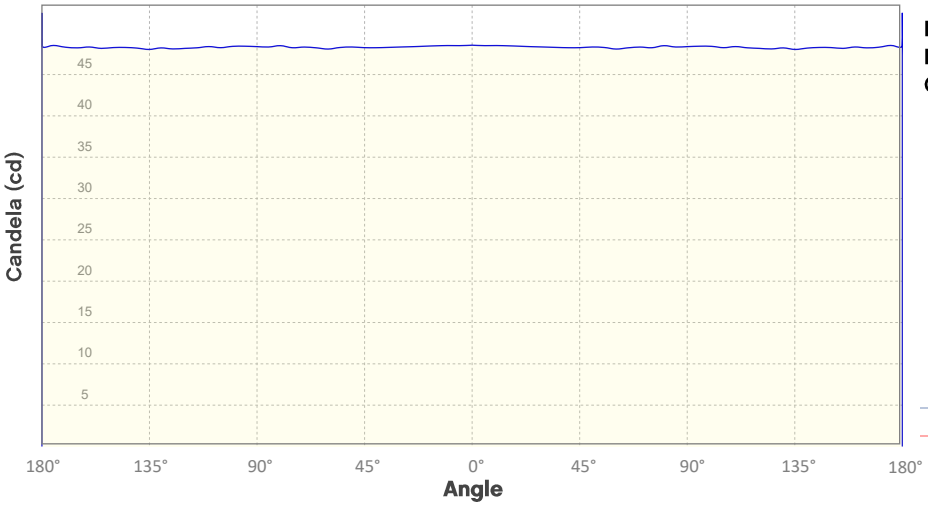
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	49	12	5	3	2	1	1	1	1	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	5	1	1	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

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

Photometric Report

Well STX 360: Standard Optic, Green Only

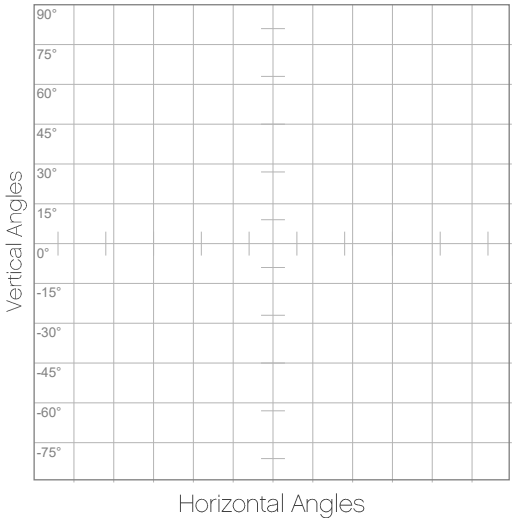
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

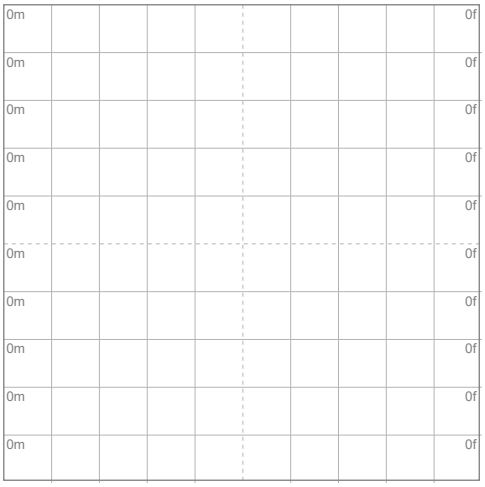
Polar Diagrams



iso-candela Diagram

10%	5 cd
20%	10 cd
30%	15 cd
40%	19 cd
50%	24 cd
60%	29 cd
70%	34 cd
80%	39 cd
90%	44 cd

Conditions:
Number of c-planes: 2
Candela at center: 49 cd



iso-illuminance Diagram

3%	14.6m lx
5%	24.3m lx
10%	48.5m lx
30%	0.146 lx
50%	0.243 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.485 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Green Only

Report Summary

Output

Total Lumens: 605 lm
Peak Intensity: 48.4 cd
Illuminance @ 5m: 2 lux
Fixture Efficacy: 11 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

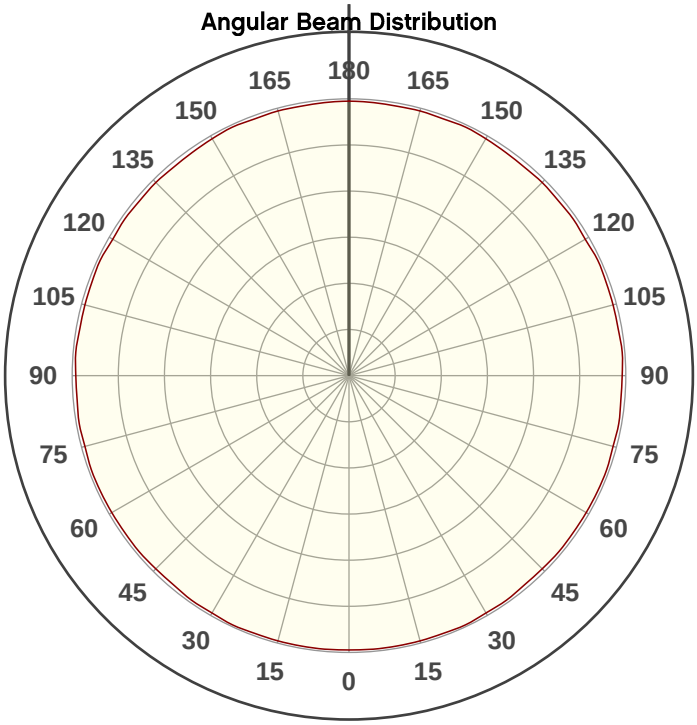
Conditions

AC Supply: 120 V, 60 Hz
Power: 92.6 W
Current: 0.775 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

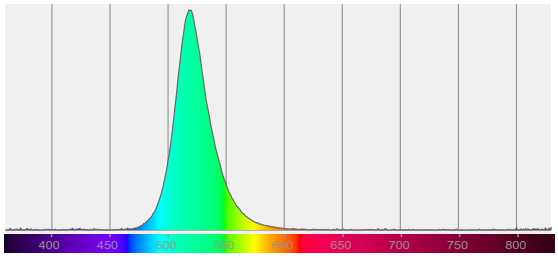
Overall Measurement

Angular Beam Distribution

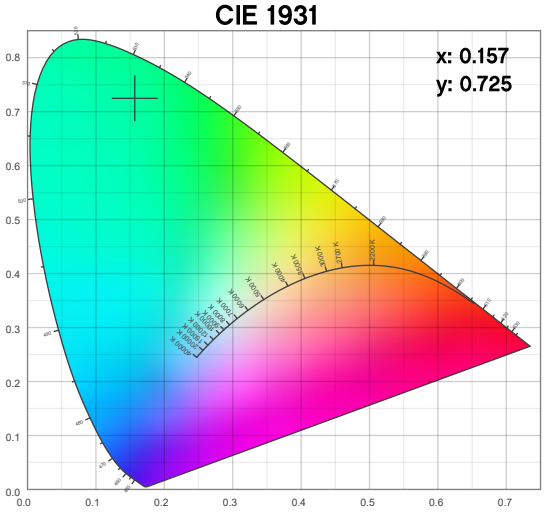


Beam Angle 360°

Spectral Distribution



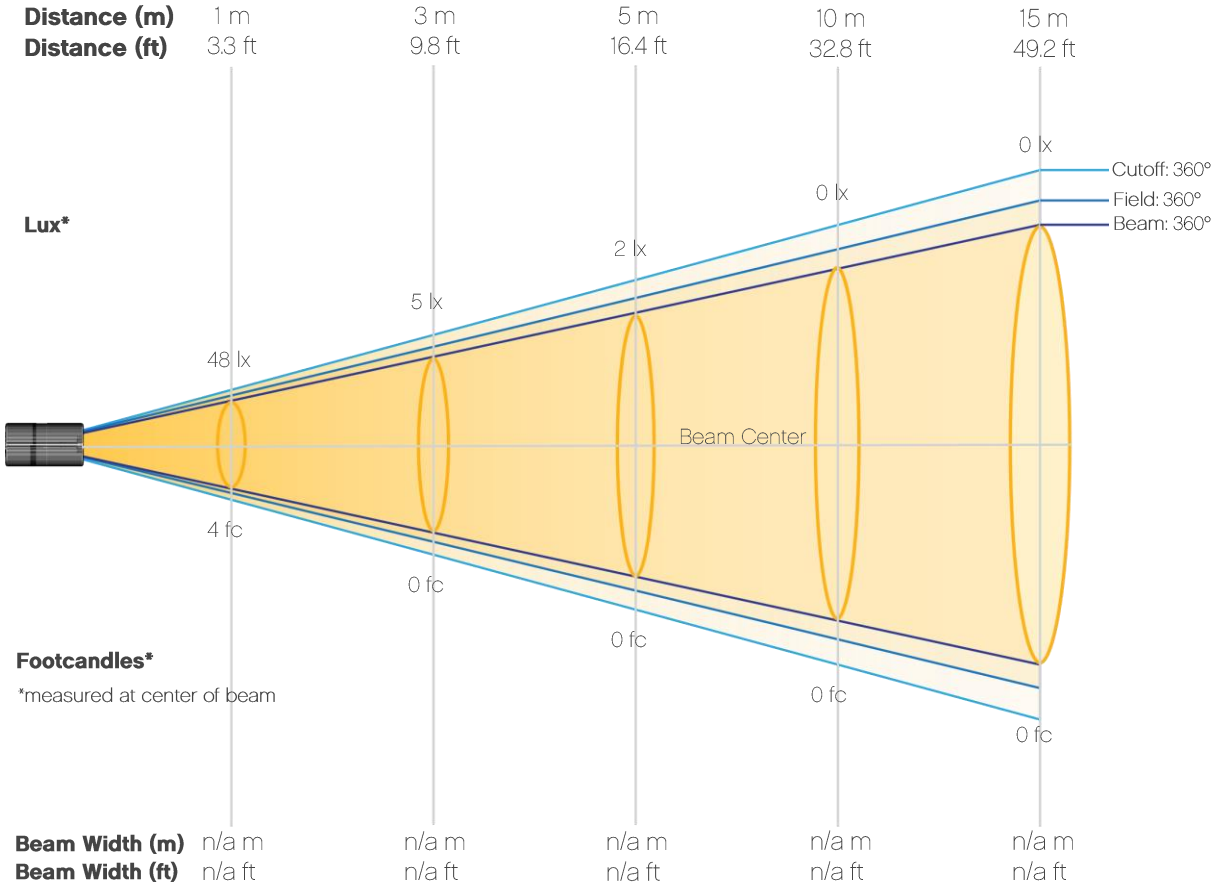
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Green Only

Beam Details



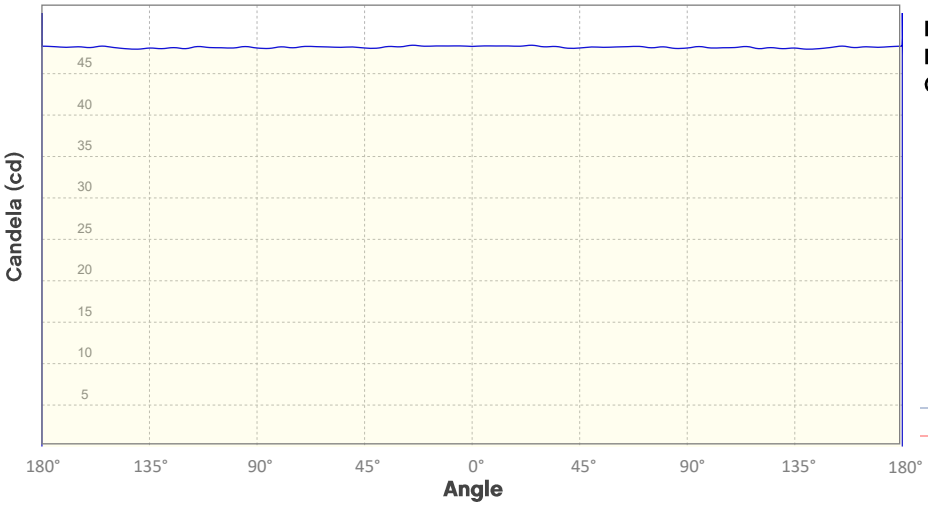
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	48	12	5	3	2	1	1	1	1	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4	1	0	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, Green Only

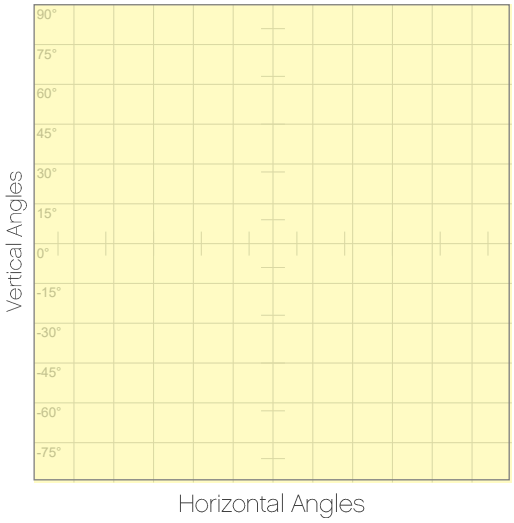
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

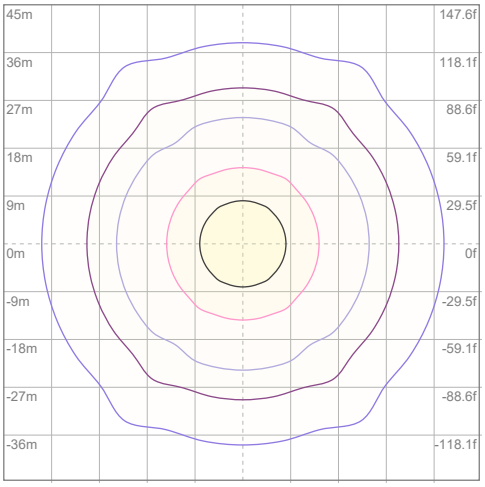
Polar Diagrams



iso-candela Diagram

10%	5 cd
20%	10 cd
30%	14 cd
40%	19 cd
50%	24 cd
60%	29 cd
70%	34 cd
80%	39 cd
90%	43 cd

Conditions:
Number of c-planes: 2
Candela at center: 48 cd



iso-illuminance Diagram

3%	14.5m lx
5%	24.1m lx
10%	48.3m lx
30%	0.145 lx
50%	0.241 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.483 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Green Only

Report Summary

Output

Total Lumens: 428 lm
Peak Intensity: 34.2 cd
Illuminance @ 5m: 1 lux
Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

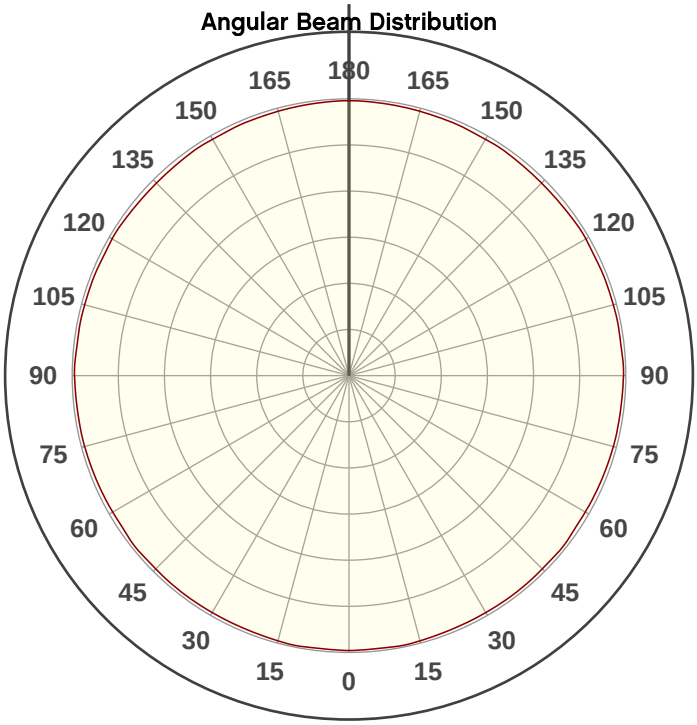
Conditions

AC Supply: 119 V, 60 Hz
Power: 86.44 W
Current: 0.725 A
Power Factor: 0.6

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 1/6/2020 to LM-63-2002 Standards.

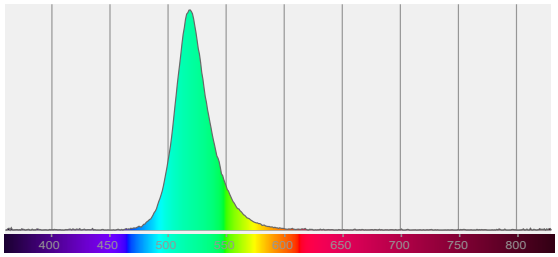
Overall Measurement

Angular Beam Distribution

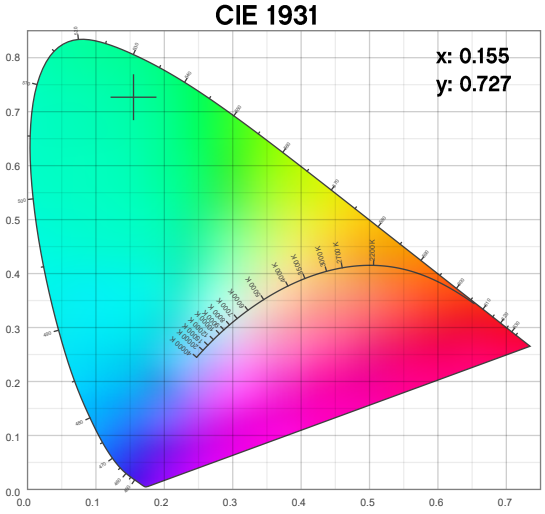


Beam Angle 360°

Spectral Distribution



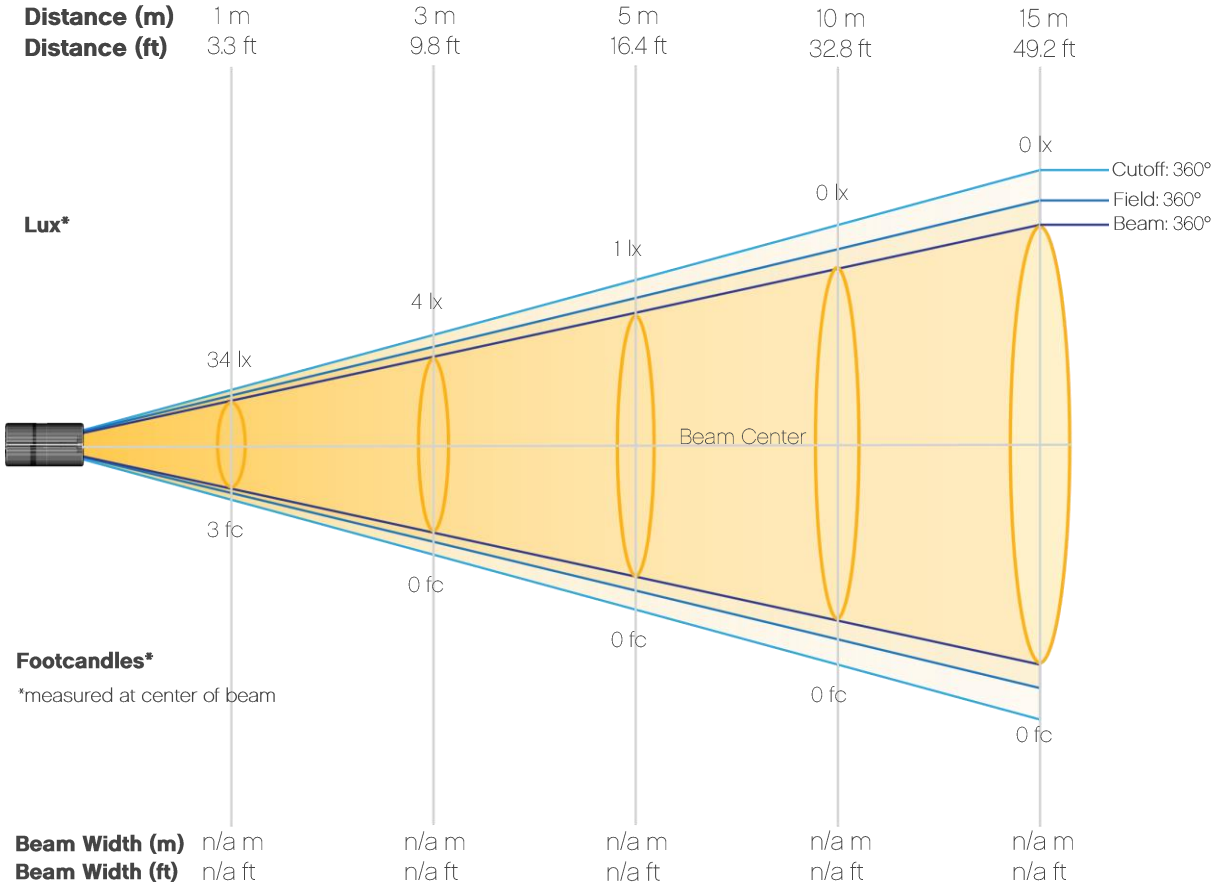
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Green Only

Beam Details



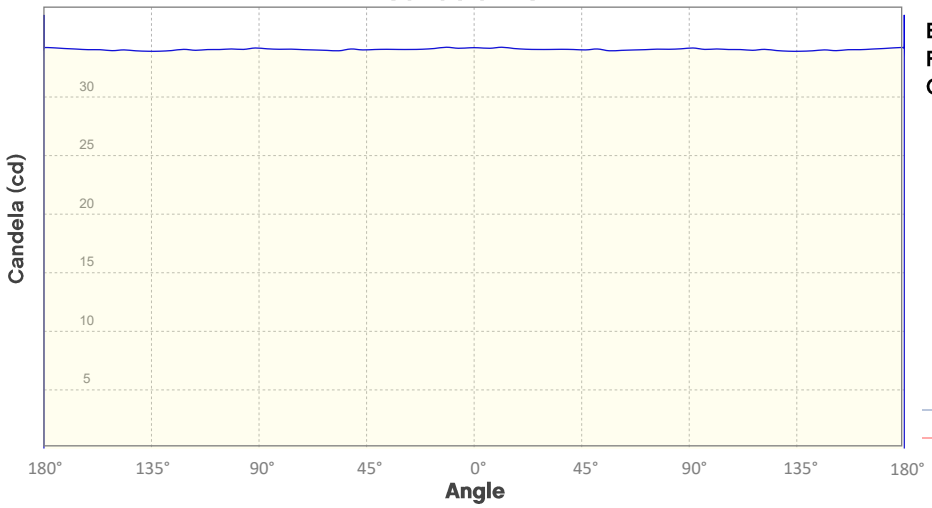
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Green Only

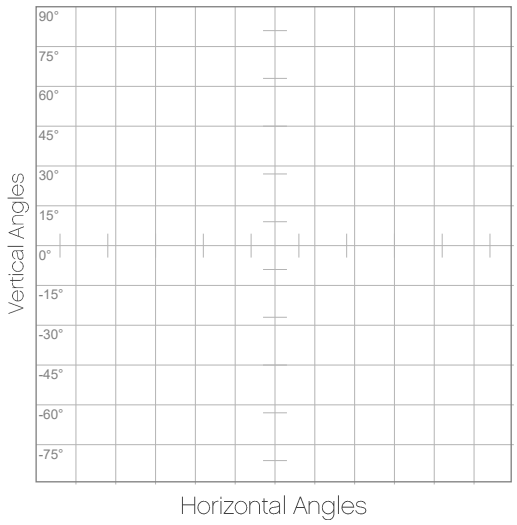
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

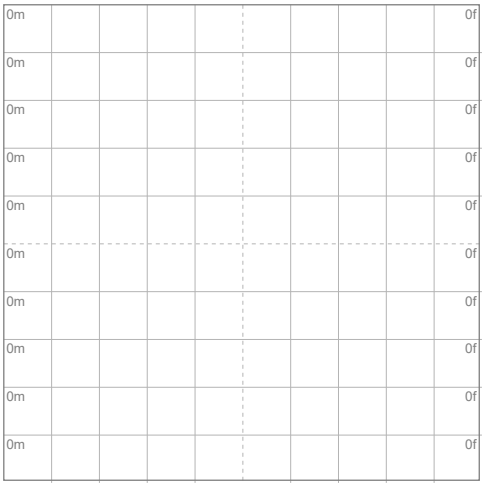
Polar Diagrams



iso-candela Diagram

10%	3 cd
20%	7 cd
30%	10 cd
40%	14 cd
50%	17 cd
60%	21 cd
70%	24 cd
80%	27 cd
90%	31 cd

Conditions:
Number of c-planes: 2
Candela at center: 34 cd



iso-illuminance Diagram

3%	10.3m lx
5%	17.1m lx
10%	34.2m lx
30%	0.103 lx
50%	0.171 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.342 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Blue Only

Report Summary

Output

Total Lumens: 131 lm
Peak Intensity: 10.6 cd
Illuminance @ 5m: 0 lux
Fixture Efficacy: 2 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

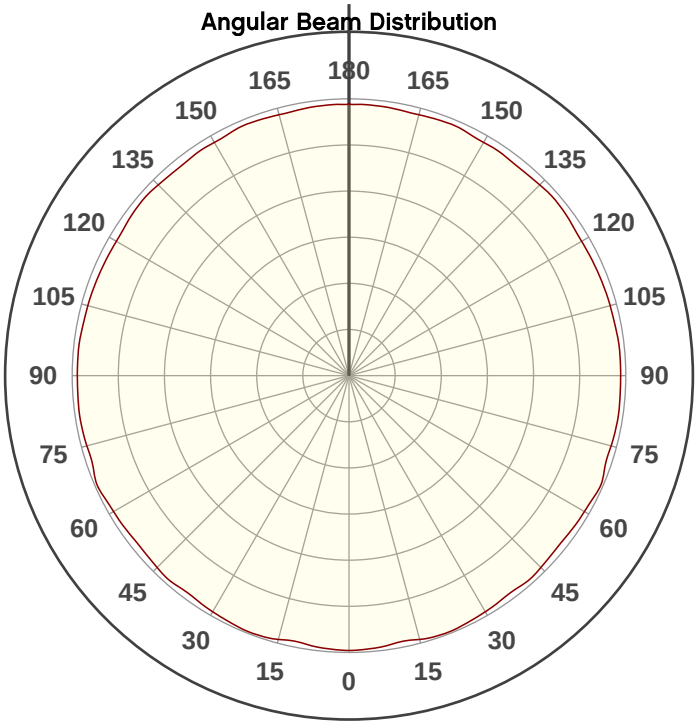
Conditions

AC Supply: 119 V, 60 Hz
Power: 89.33 W
Current: 0.749 A
Power Factor: 0.63

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 1/6/2020 to LM-63-2002 Standards.

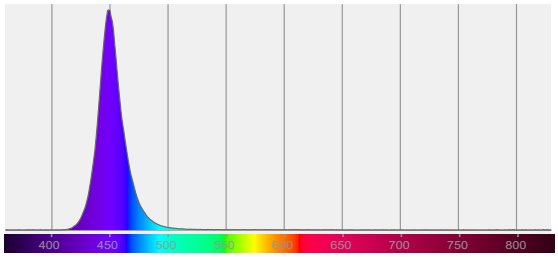
Overall Measurement

Angular Beam Distribution

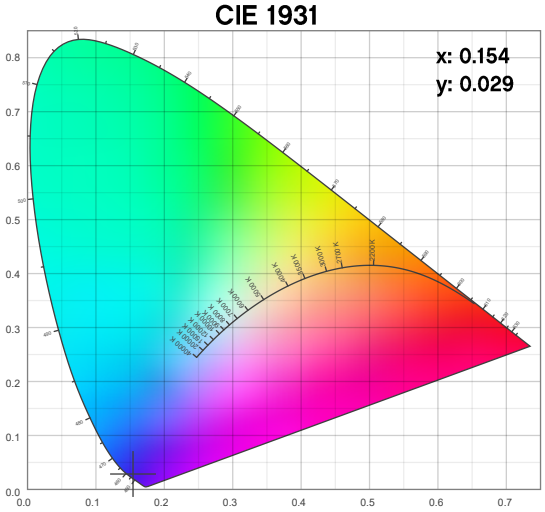


Beam Angle 360°

Spectral Distribution



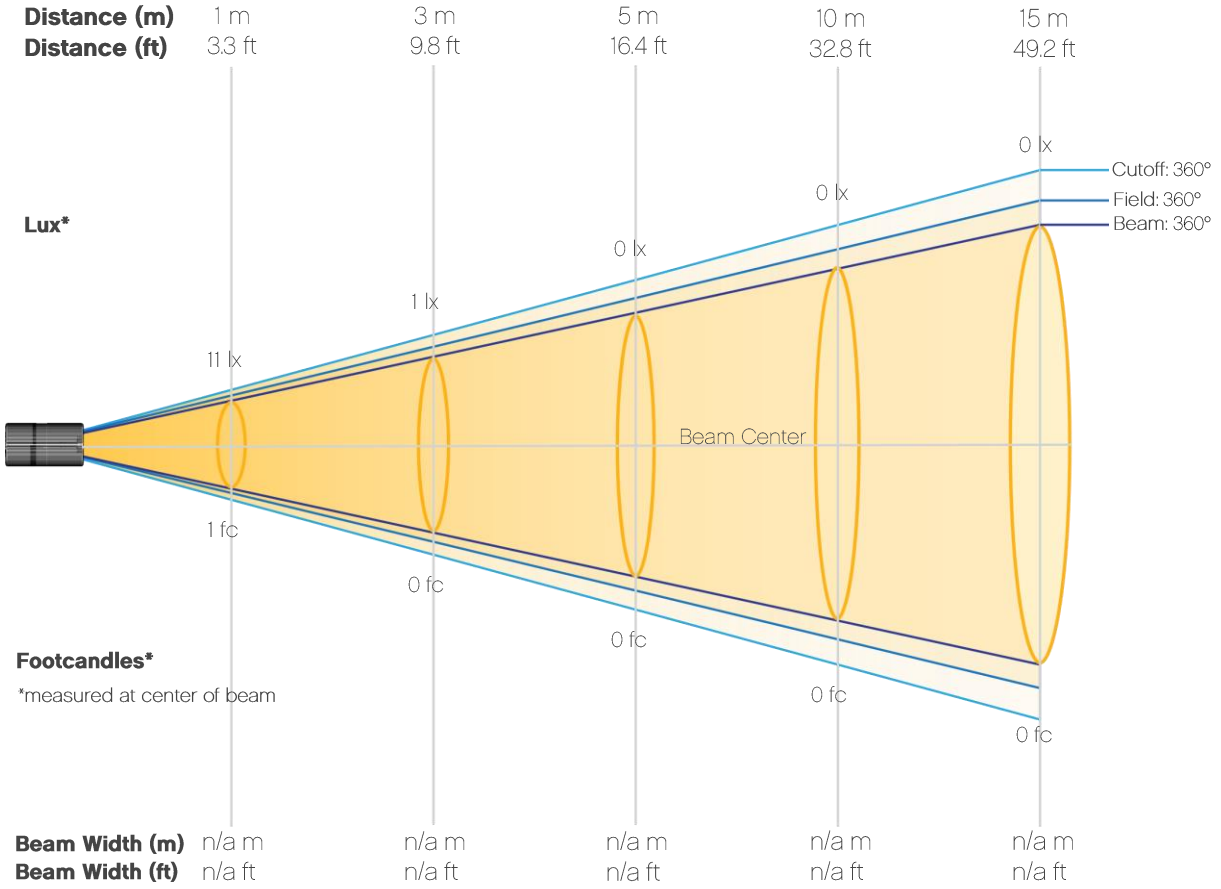
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Blue Only

Beam Details



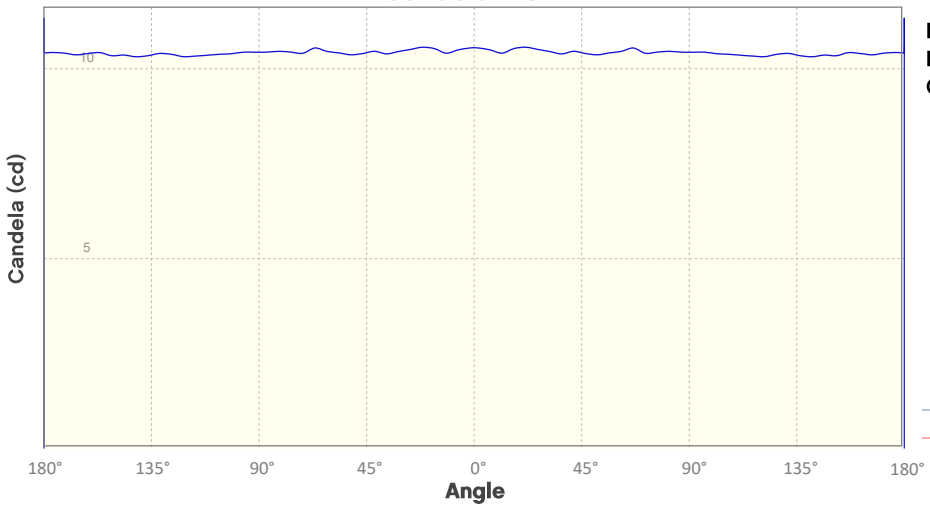
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Blue Only

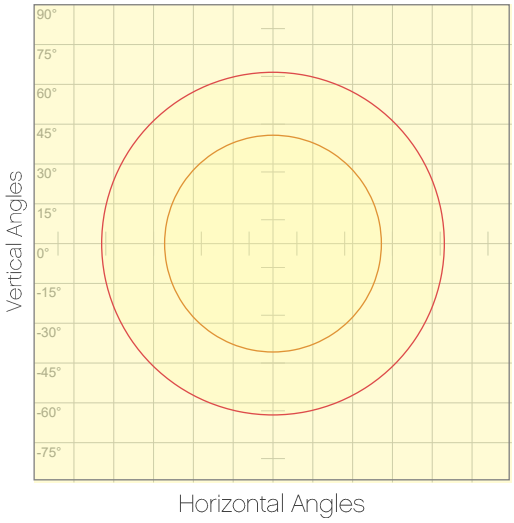
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

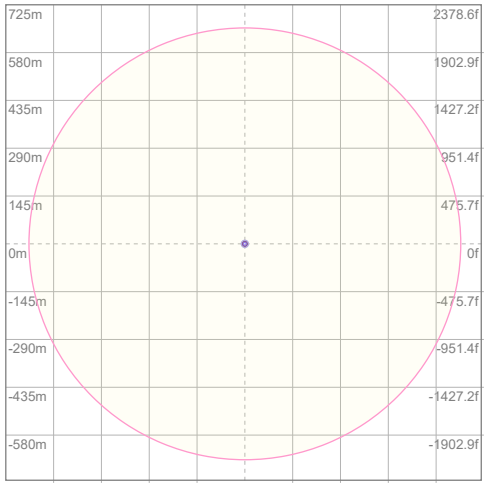
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	2 cd
30%	3 cd
40%	4 cd
50%	5 cd
60%	6 cd
70%	7 cd
80%	8 cd
90%	9 cd

Conditions:
Number of c-planes: 2
Candela at center: 11 cd



iso-illuminance Diagram

3%	3.16m lx
5%	5.27m lx
10%	10.5m lx
30%	31.6m lx
50%	52.7m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.105 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Blue Only

Report Summary

Output

Total Lumens: 131 lm
Peak Intensity: 10.5 cd
Illuminance @ 5m: 0 lux
Fixture Efficacy: 2 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

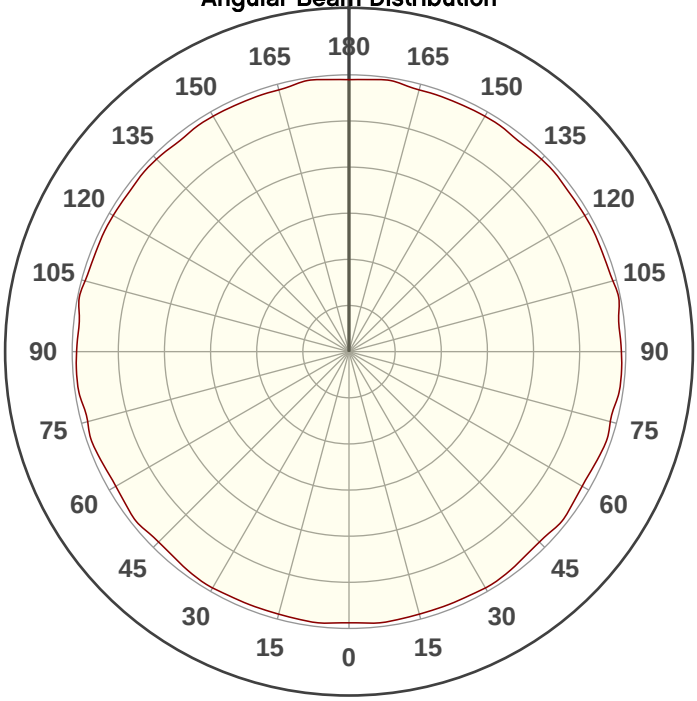
Conditions

AC Supply: 119 V, 60 Hz
Power: 91.54 W
Current: 0.766 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

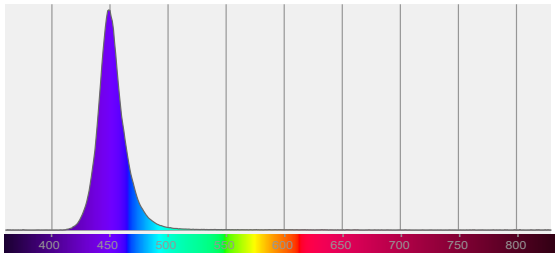
Overall Measurement

Angular Beam Distribution

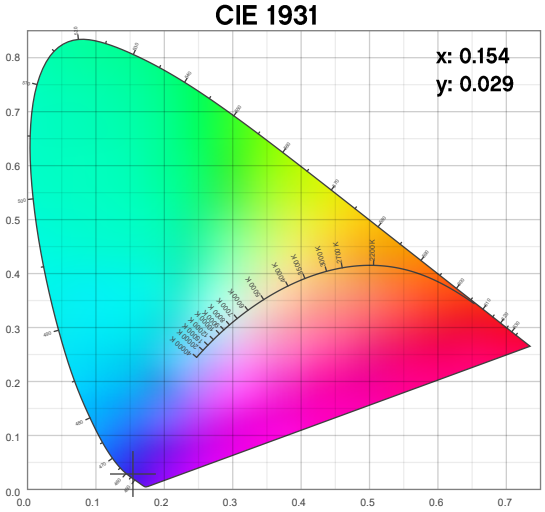


Beam Angle 360°

Spectral Distribution



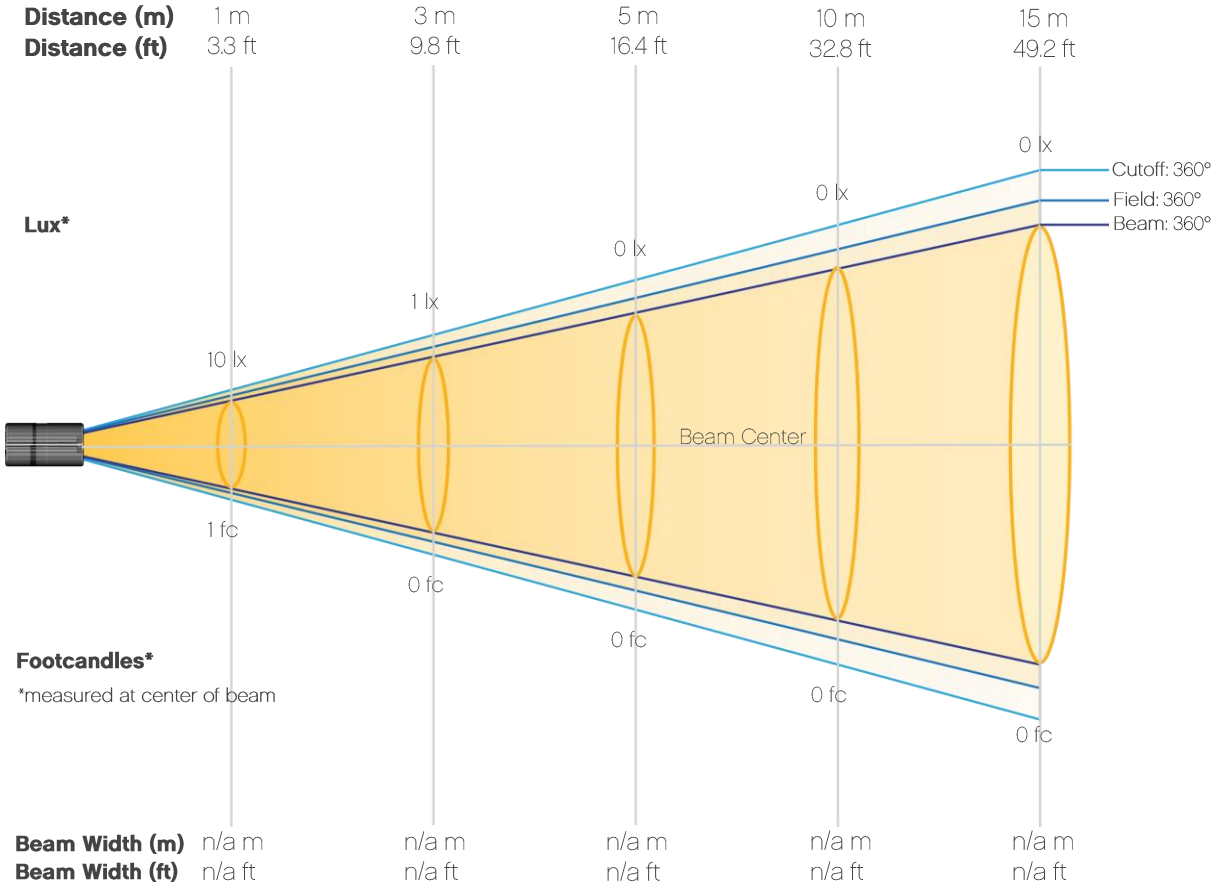
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Blue Only

Beam Details



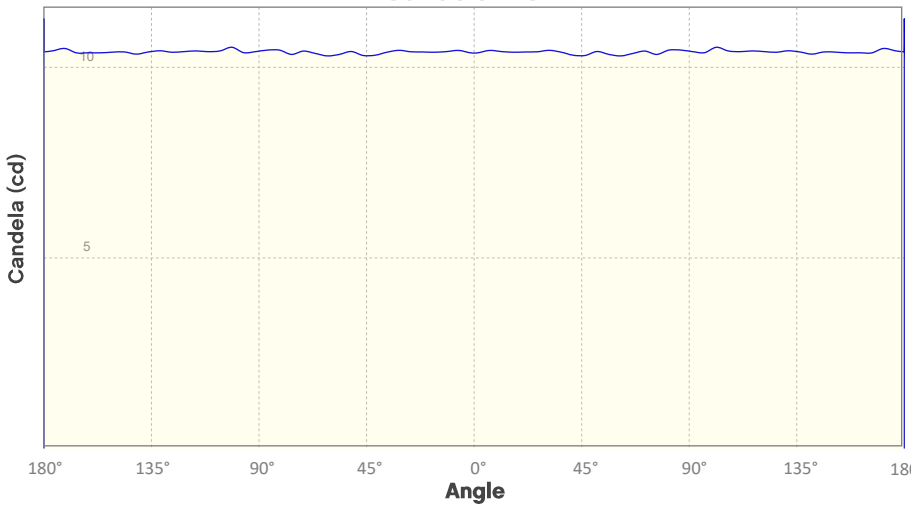
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Blue Only

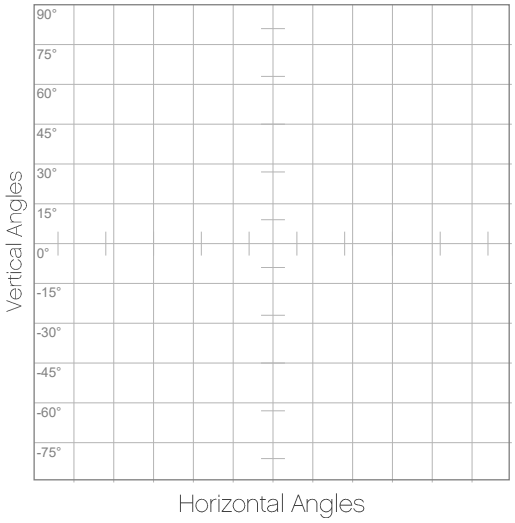
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

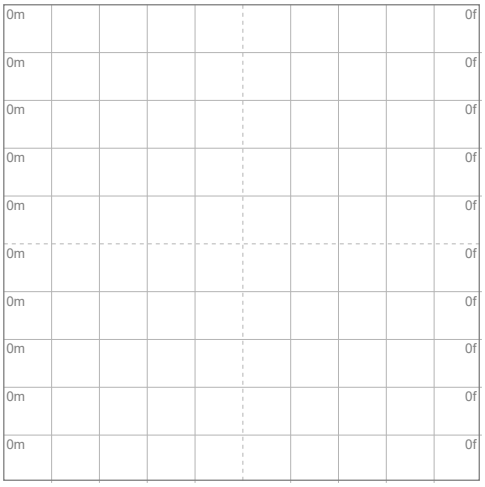
Polar Diagrams



iso-candela Diagram

	10%	1 cd
	20%	2 cd
	30%	3 cd
	40%	4 cd
	50%	5 cd
	60%	6 cd
	70%	7 cd
	80%	8 cd
	90%	9 cd

Conditions:
Number of c-planes: 2
Candela at center: 10 cd



iso-illuminance Diagram

	3%	3.11m lx
	5%	5.19m lx
	10%	10.4m lx
	30%	31.1m lx
	50%	51.9m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.104 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Blue Only

Report Summary

Output

Total Lumens: 131 lm
Peak Intensity: 10.5 cd
Illuminance @ 5m: 0 lux
Fixture Efficacy: 2 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

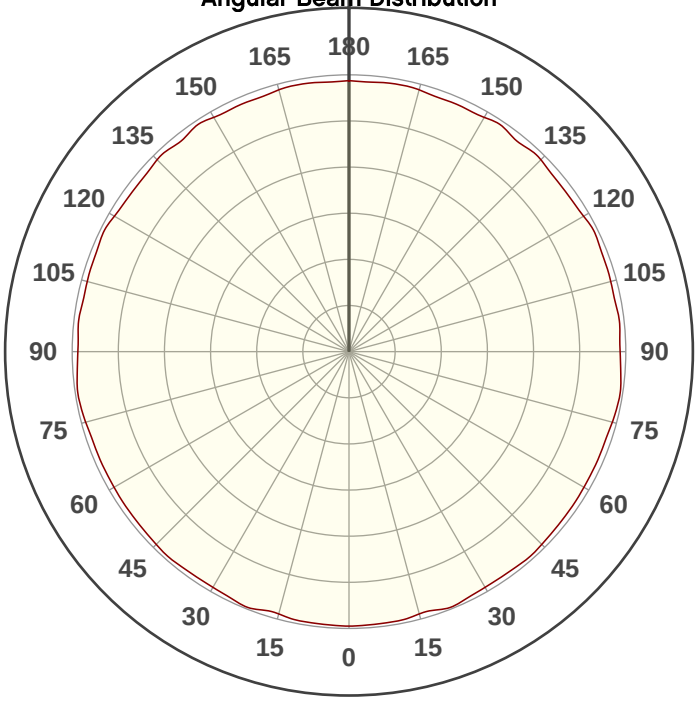
Conditions

AC Supply: 120 V, 60 Hz
Power: 92.74 W
Current: 0.776 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

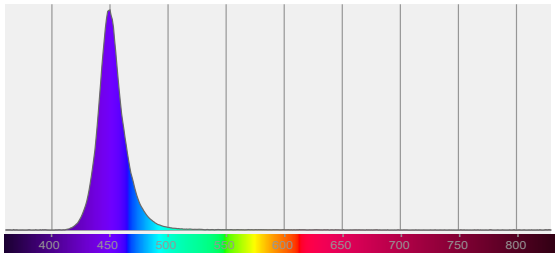
Overall Measurement

Angular Beam Distribution

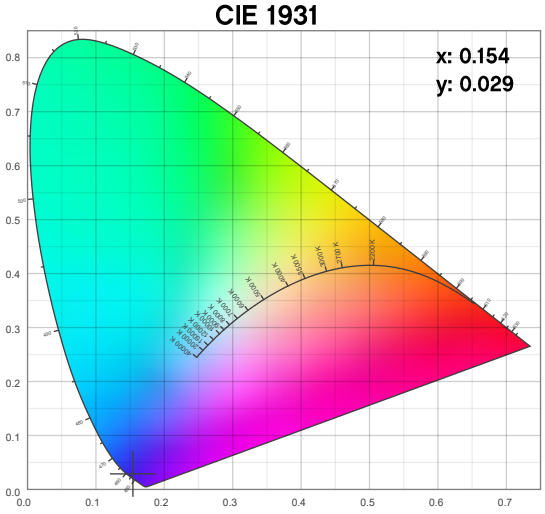


Beam Angle 360°

Spectral Distribution



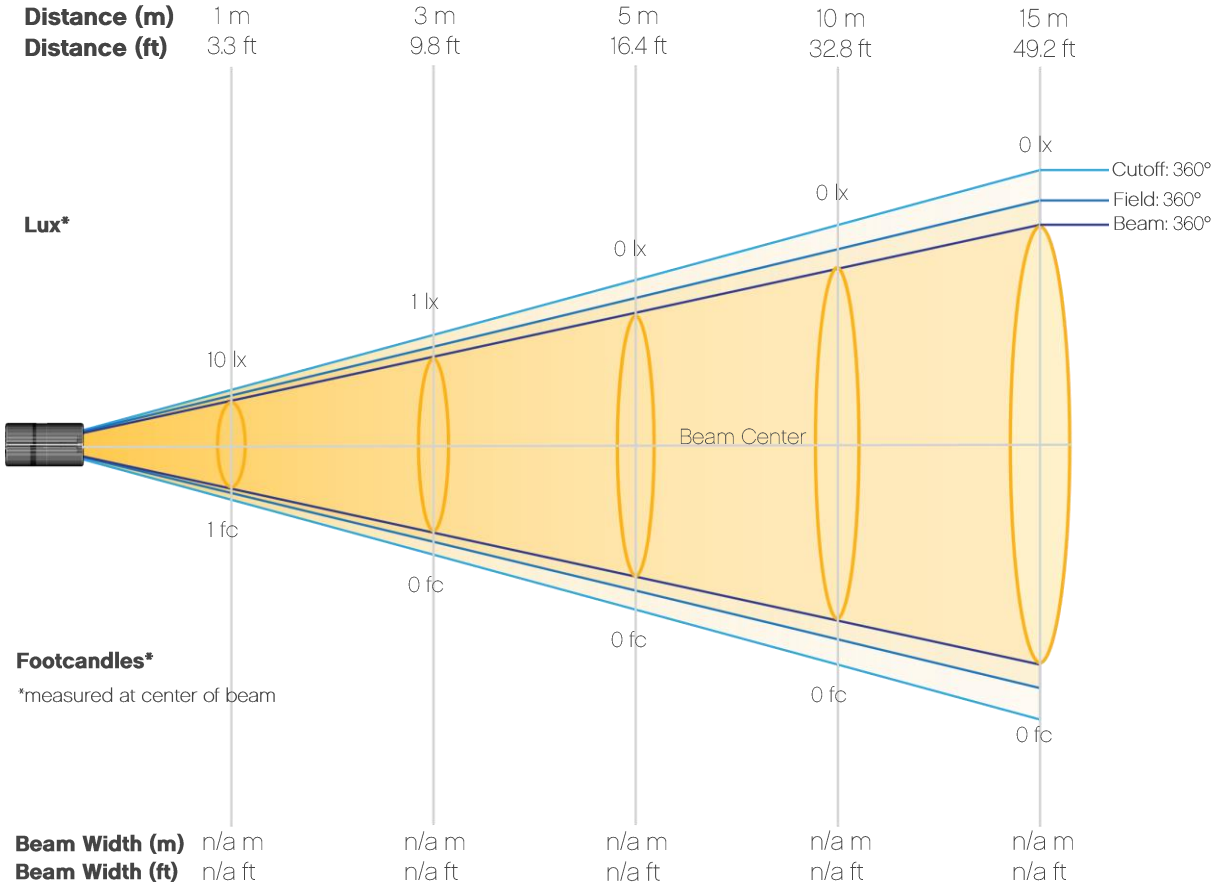
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Blue Only

Beam Details



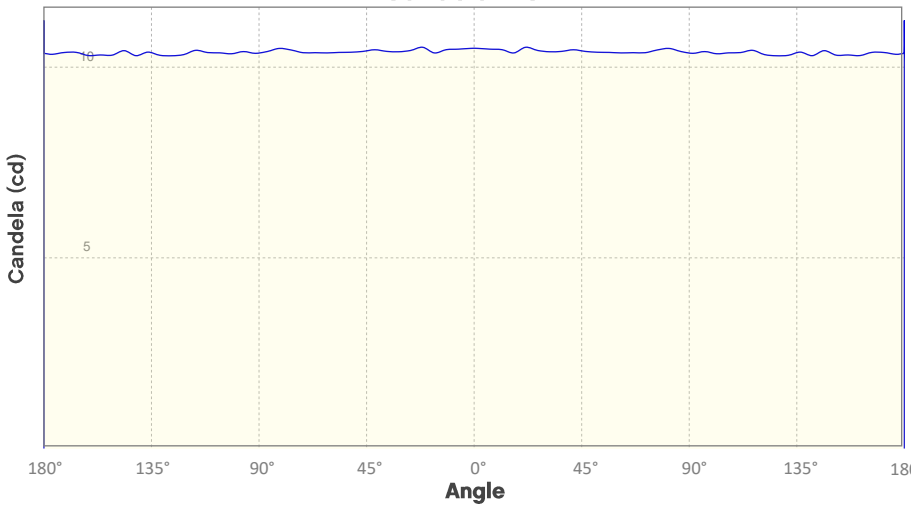
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Blue Only

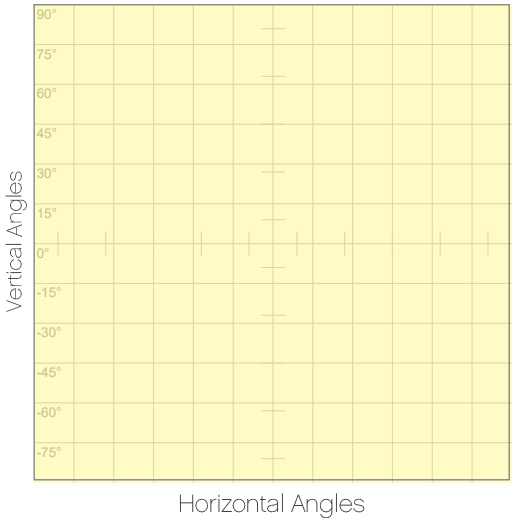
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

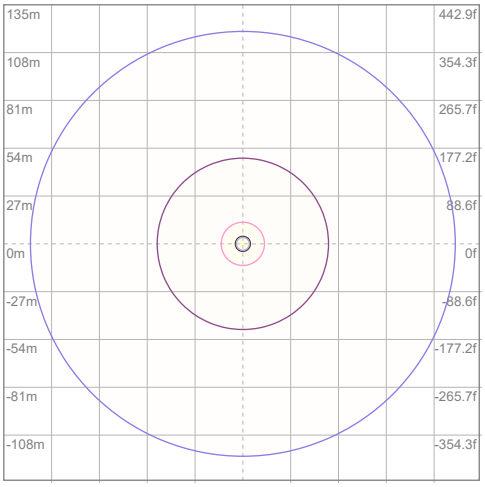
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	2 cd
30%	3 cd
40%	4 cd
50%	5 cd
60%	6 cd
70%	7 cd
80%	8 cd
90%	9 cd

Conditions:
Number of c-planes: 2
Candela at center: 10 cd



iso-illuminance Diagram

3%	3.15m lx
5%	5.25m lx
10%	10.5m lx
30%	31.5m lx
50%	52.5m lx

Conditions:
Number of c-planes: 2
Lux at center: 0.105 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Blue Only

Report Summary

Output

Total Lumens: 94.3 lm
Peak Intensity: 7.66 cd
Illuminance @ 5m: 0 lux
Fixture Efficacy: 2 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

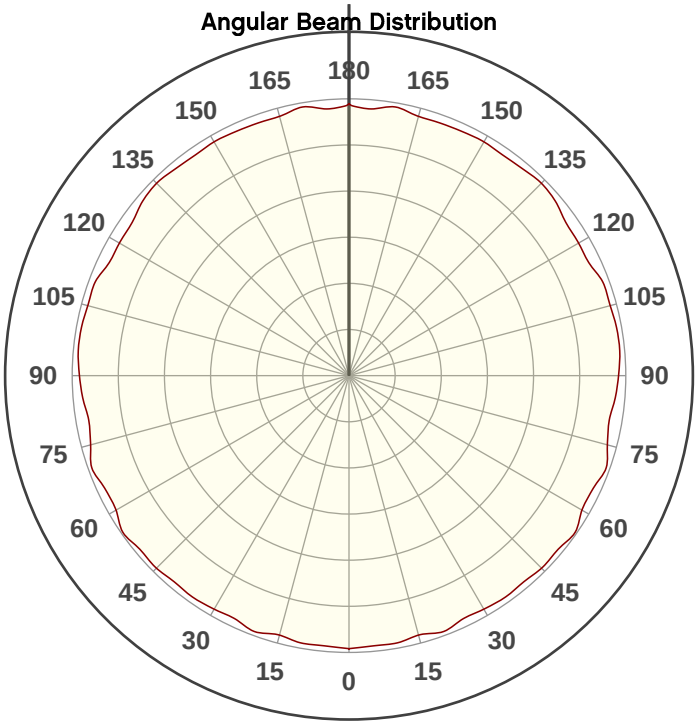
Conditions

AC Supply: 119 V, 60 Hz
Power: 84.83 W
Current: 0.712 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

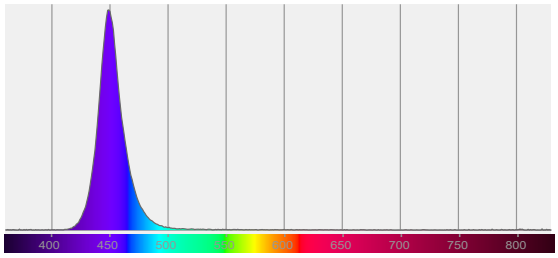
Overall Measurement

Angular Beam Distribution

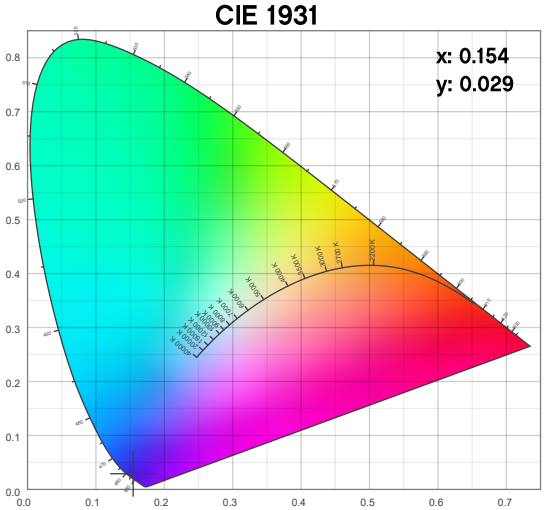


Beam Angle 360°

Spectral Distribution



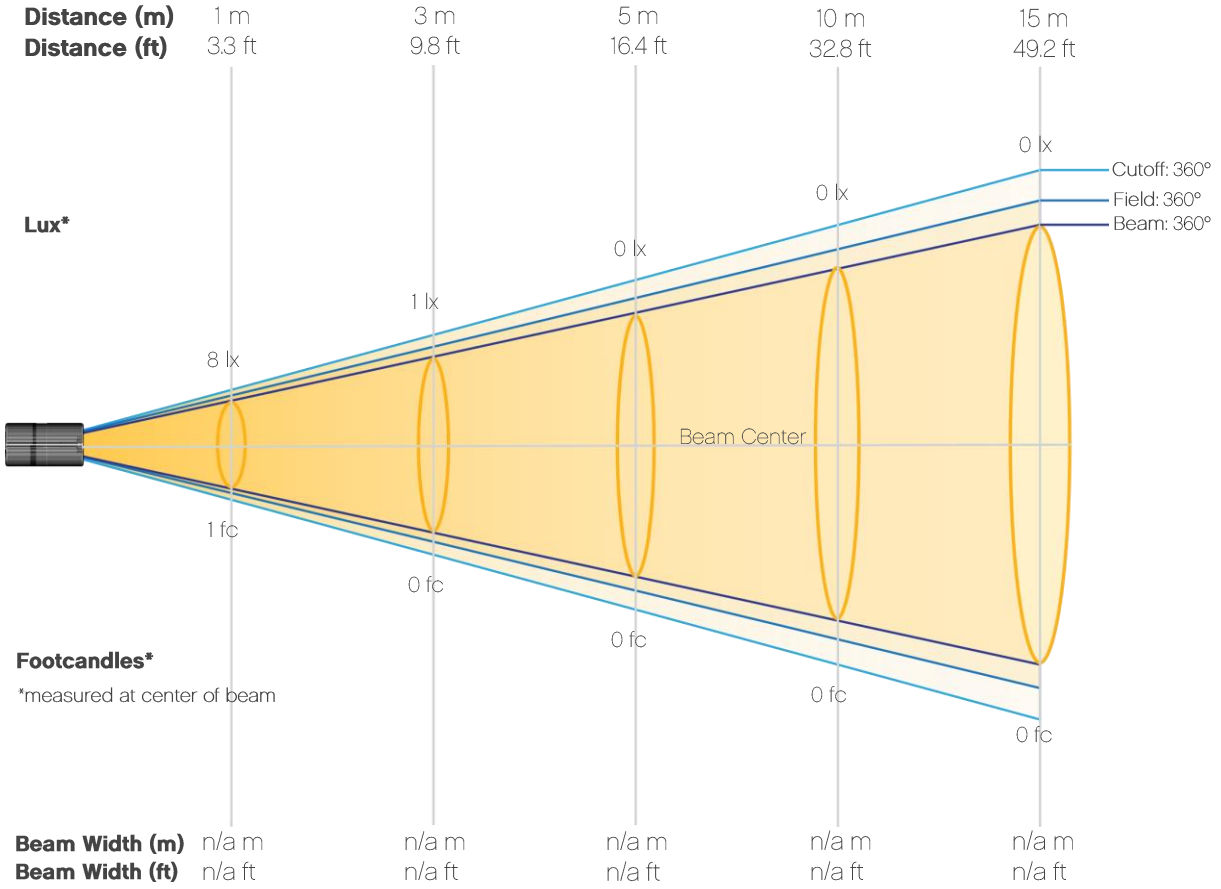
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Blue Only

Beam Details



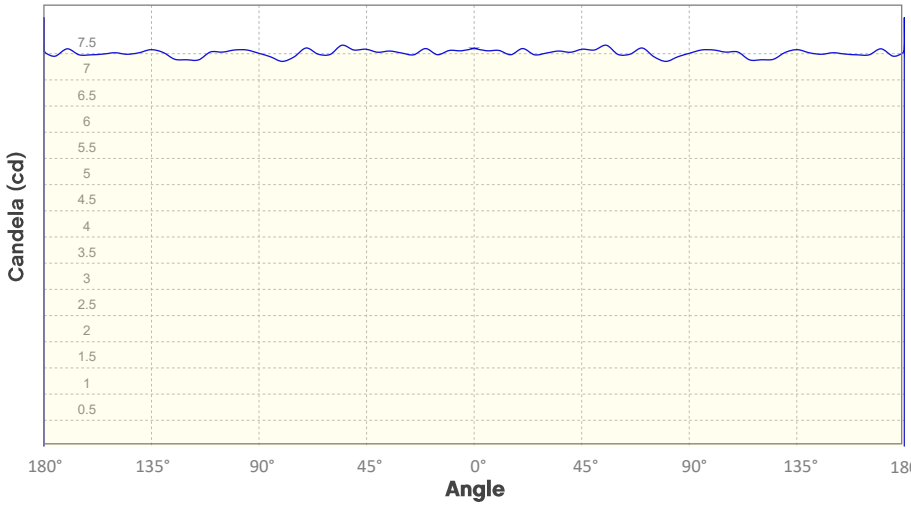
Beam Iluminances from 1-20m (3.3-65.6ft)

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

Photometric Report

Well STX 360: Standard Optic, Blue Only

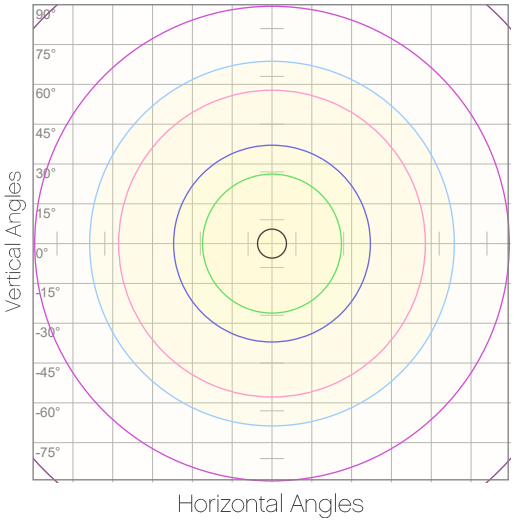
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

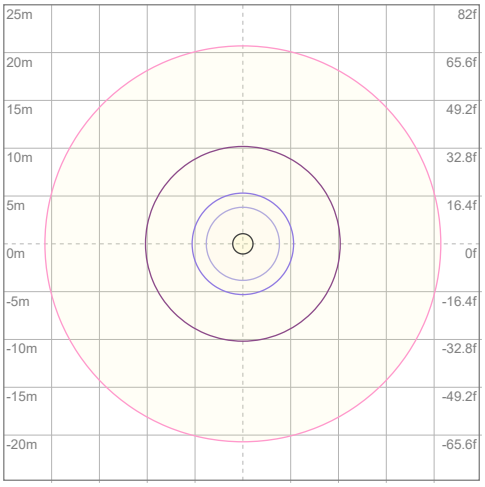
Polar Diagrams



iso-candela Diagram

10%	1 cd
20%	2 cd
30%	2 cd
40%	3 cd
50%	4 cd
60%	5 cd
70%	5 cd
80%	6 cd
90%	7 cd

Conditions:
Number of c-planes: 2
Candela at center: 8 cd



iso-illuminance Diagram

3%	2.28m lx
5%	3.80m lx
10%	7.60m lx
30%	22.8m lx
50%	38.0m lx

Conditions:
Number of c-planes: 2
Lux at center: 76.0m lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Warm White Only

Report Summary

Output

Total Lumens: 1255 lm
Peak Intensity: 101 cd
Illuminance @ 5m: 4 lux
Fixture Efficacy: 22 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

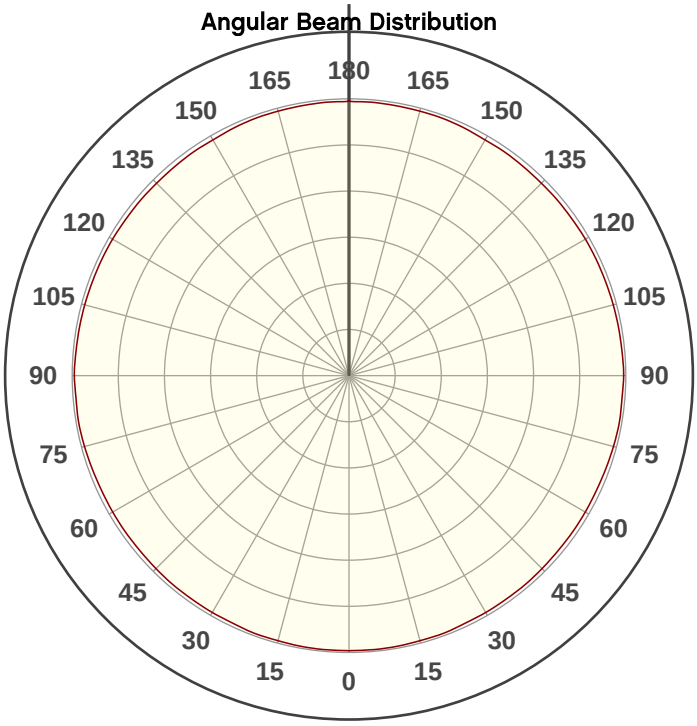
Conditions

AC Supply: 120 V, 60 Hz
Power: 91.27 W
Current: 0.763 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

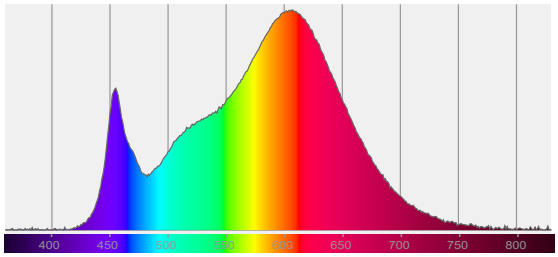
Overall Measurement

Angular Beam Distribution

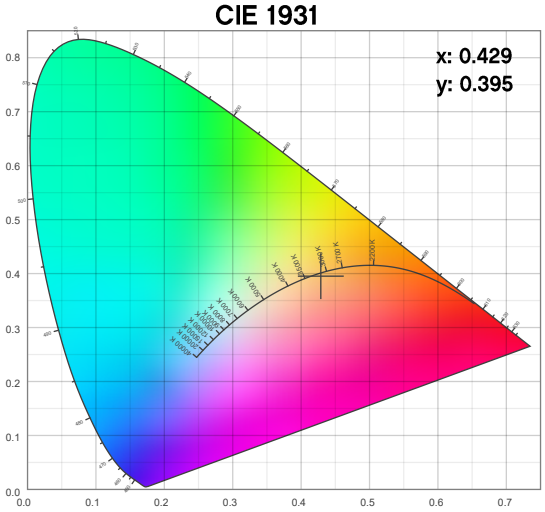


Beam Angle 360°

Spectral Distribution



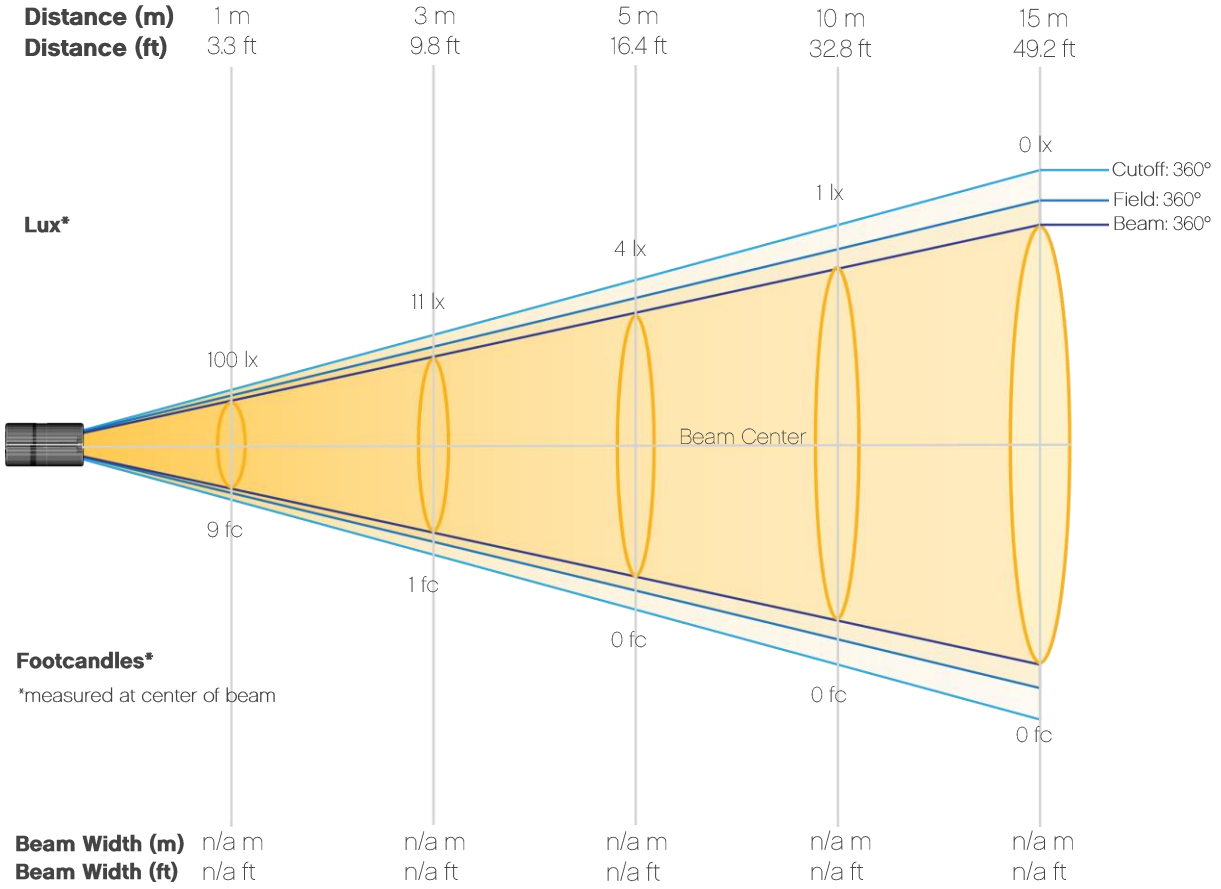
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Warm White Only

Beam Details



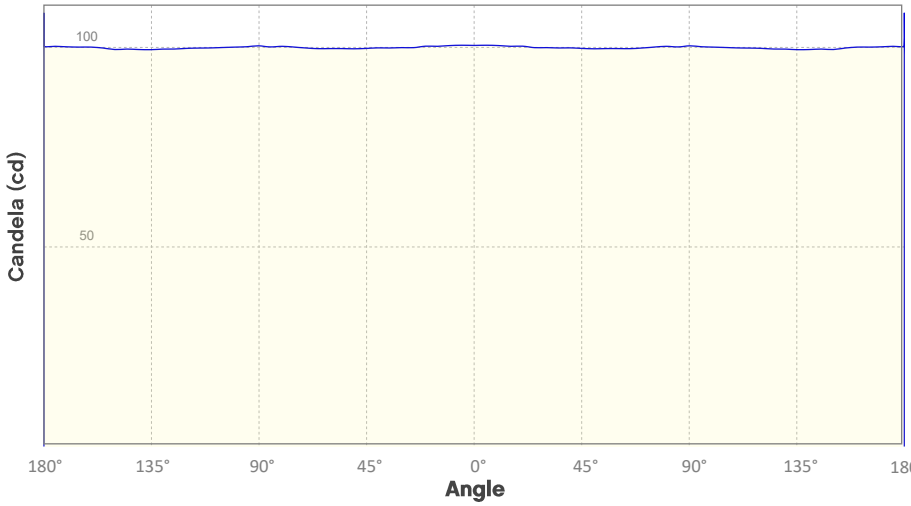
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	100	25	11	6	4	3	2	2	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	1	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	9	2	1	1	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, Warm White Only

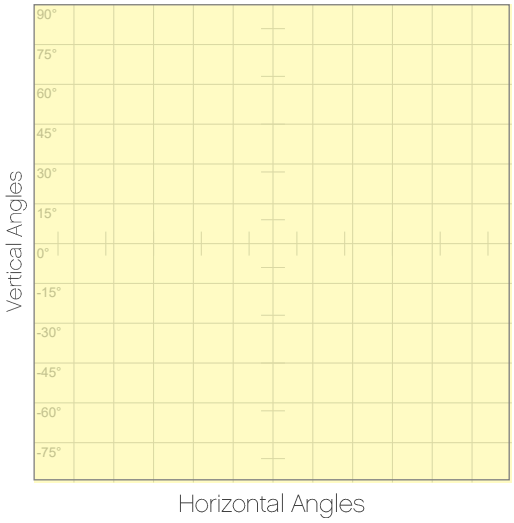
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

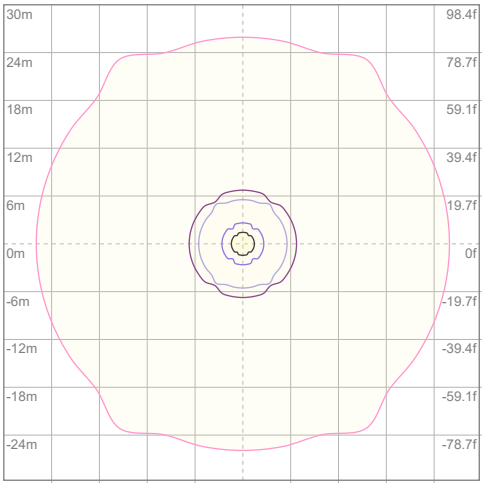
Polar Diagrams



iso-candela Diagram

10%	10 cd
20%	20 cd
30%	30 cd
40%	40 cd
50%	50 cd
60%	60 cd
70%	70 cd
80%	80 cd
90%	90 cd

Conditions:
Number of c-planes: 2
Candela at center: 100 cd



iso-illuminance Diagram

3%	30.1m lx
5%	50.2m lx
10%	0.100 lx
30%	0.301 lx
50%	0.502 lx

Conditions:
Number of c-planes: 2
Lux at center: 1.00 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Warm White Only

Report Summary

Output

Total Lumens: 1255 lm
Peak Intensity: 100 cd
Illuminance @ 5m: 4 lux
Fixture Efficacy: 22 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

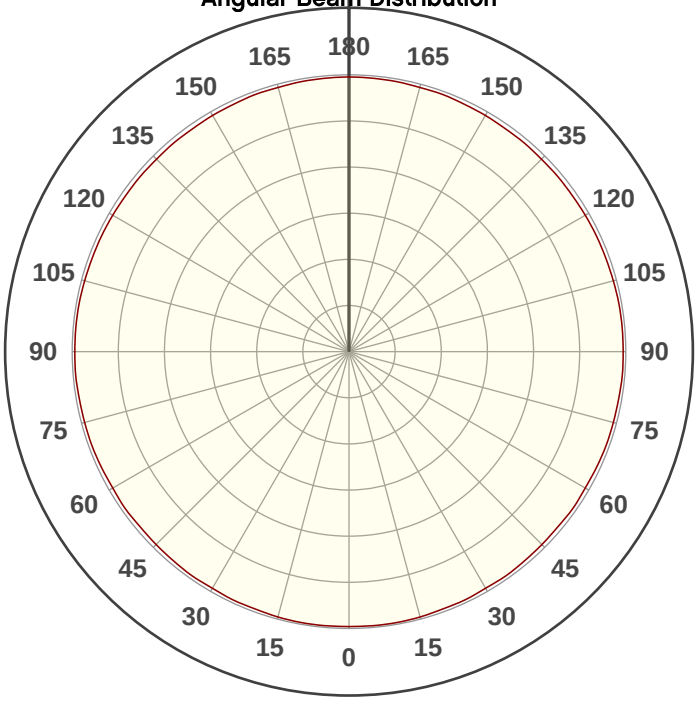
Conditions

AC Supply: 119 V, 60.1 Hz
Power: 91.28 W
Current: 0.765 A
Power Factor: 0.62

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 1/6/2020 to LM-63-2002 Standards.

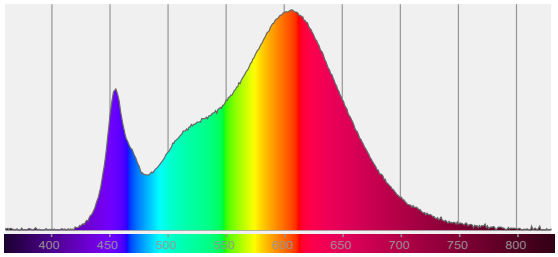
Overall Measurement

Angular Beam Distribution

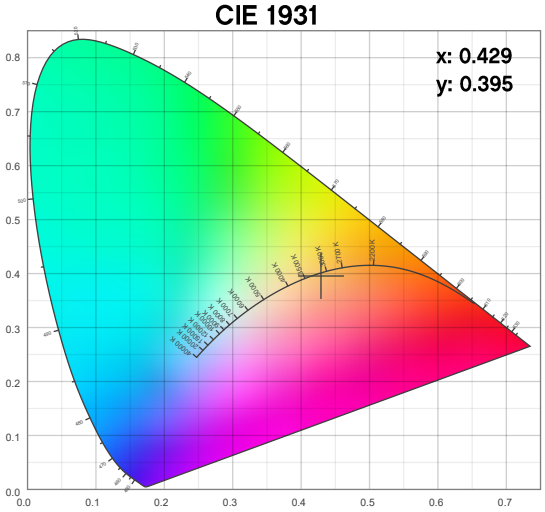


Beam Angle 360°

Spectral Distribution



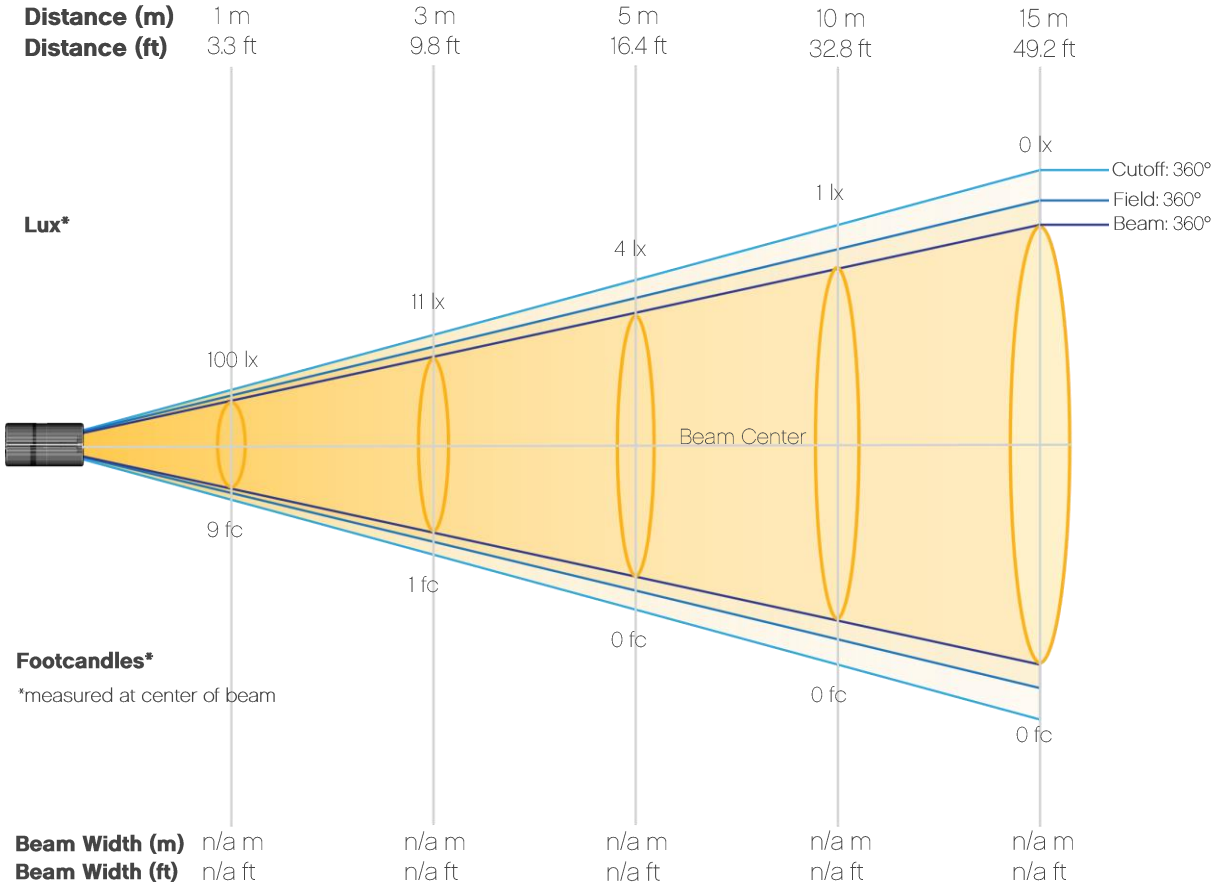
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Warm White Only

Beam Details



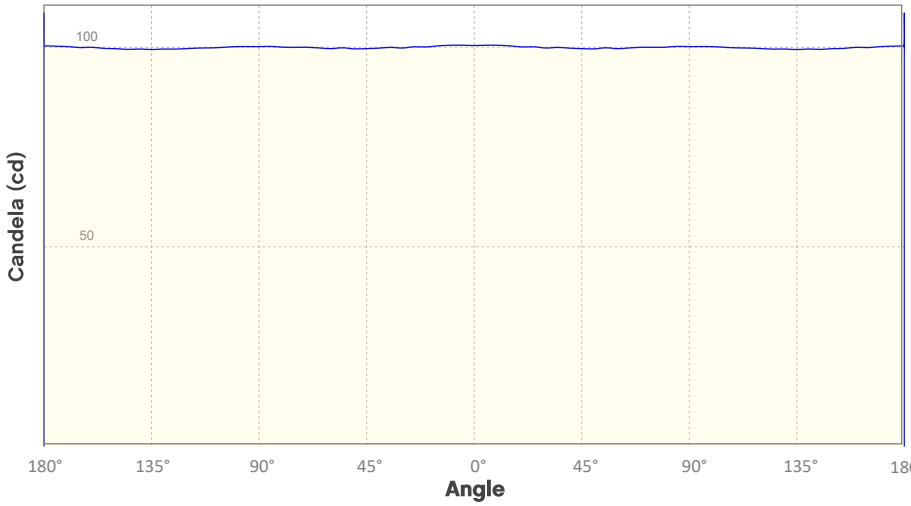
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	100	25	11	6	4	3	2	2	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	1	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	9	2	1	1	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, Warm White Only

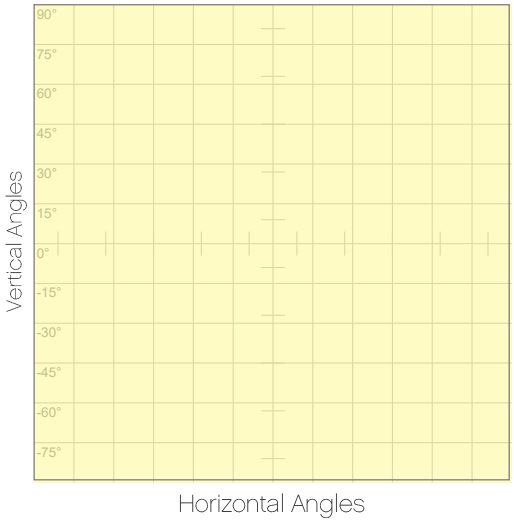
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

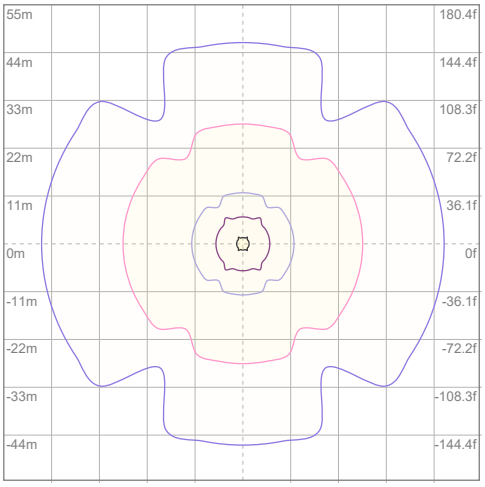
Polar Diagrams



iso-candela Diagram

10%	10 cd
20%	20 cd
30%	30 cd
40%	40 cd
50%	50 cd
60%	60 cd
70%	70 cd
80%	80 cd
90%	90 cd

Conditions:
Number of c-planes: 2
Candela at center: 100 cd



iso-illuminance Diagram

3%	30.1m lx
5%	50.2m lx
10%	0.100 lx
30%	0.301 lx
50%	0.502 lx

Conditions:
Number of c-planes: 2
Lux at center: 1.00 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Warm White Only

Report Summary

Output

Total Lumens: 838 lm
Peak Intensity: 67.4 cd
Illuminance @ 5m: 3 lux
Fixture Efficacy: 15 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

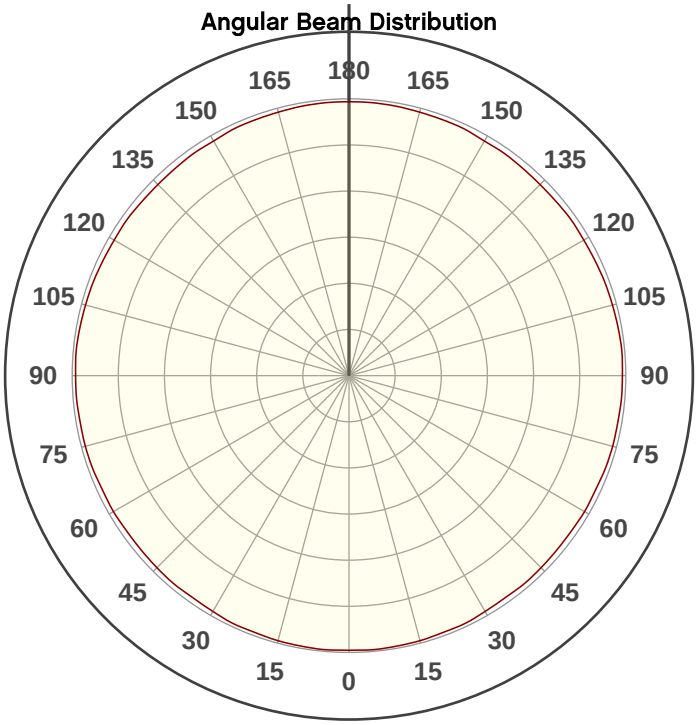
Conditions

AC Supply: 119 V, 60 Hz
Power: 92.77 W
Current: 0.777 A
Power Factor: 0.62

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 1/6/2020 to LM-63-2002 Standards.

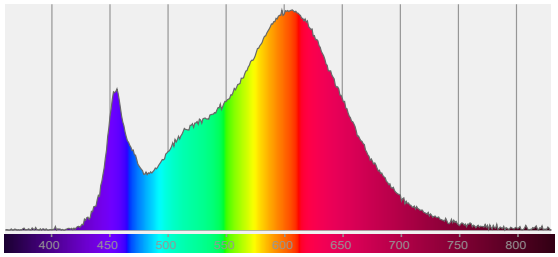
Overall Measurement

Angular Beam Distribution

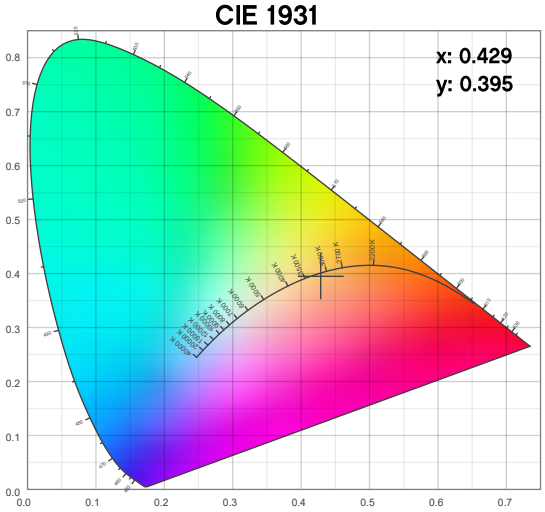


Beam Angle 360°

Spectral Distribution



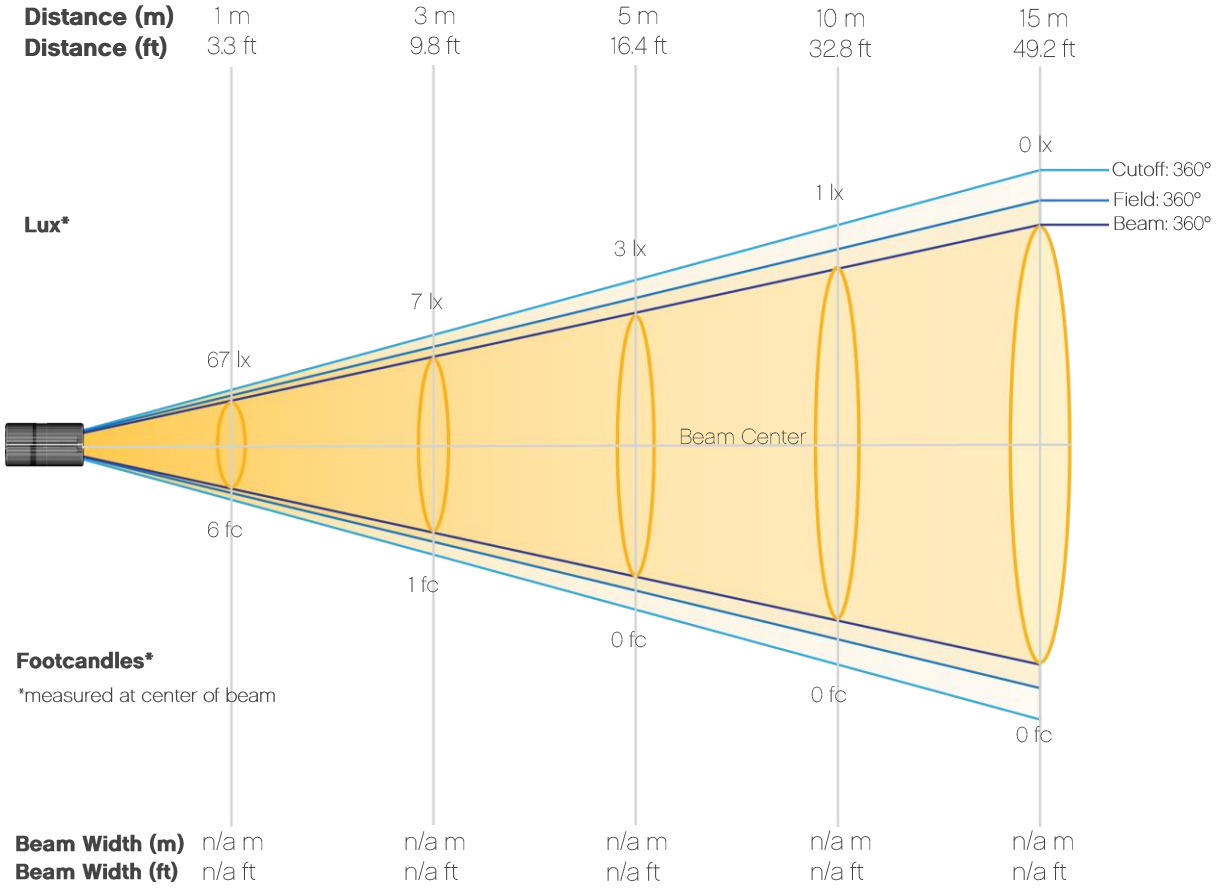
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Warm White Only

Beam Details

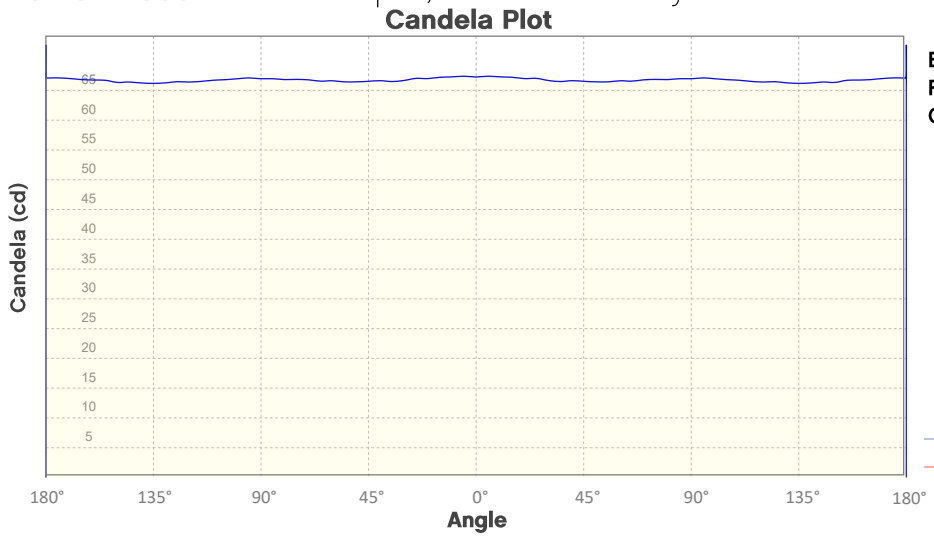


Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	67	17	7	4	3	2	1	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	6	2	1	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

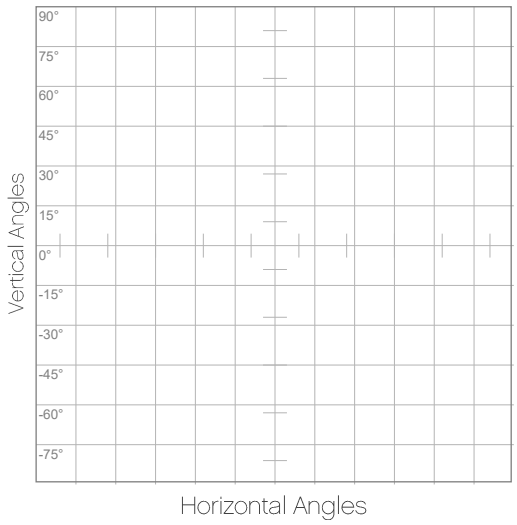
Well STX 360: Standard Optic, Warm White Only



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

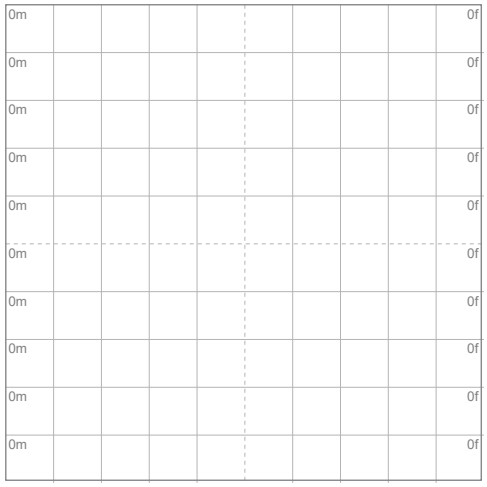
Polar Diagrams



iso-candela Diagram

10%	7 cd
20%	13 cd
30%	20 cd
40%	27 cd
50%	34 cd
60%	40 cd
70%	47 cd
80%	54 cd
90%	61 cd

Conditions:
Number of c-planes: 2
Candela at center: 67 cd



iso-illuminance Diagram

3%	20.2m lx
5%	33.6m lx
10%	67.2m lx
30%	0.202 lx
50%	0.336 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.672 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, Warm White Only

Report Summary

Output

Total Lumens: 885 lm
Peak Intensity: 70.8 cd
Illuminance @ 5m: 3 lux
Fixture Efficacy: 17 lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

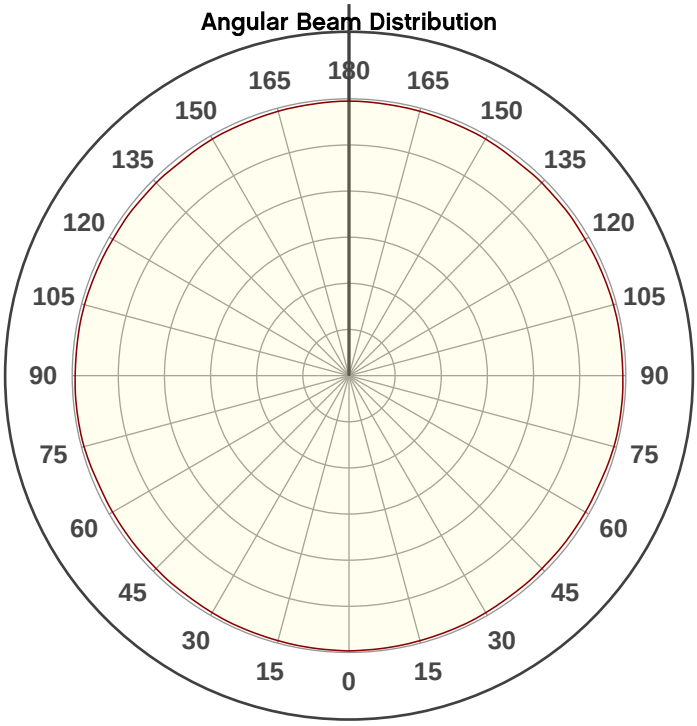
Conditions

AC Supply: 119 V, 60 Hz
Power: 84.74 W
Current: 0.710 A
Power Factor: 0.61

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 1/6/2020 to LM-63-2002 Standards.

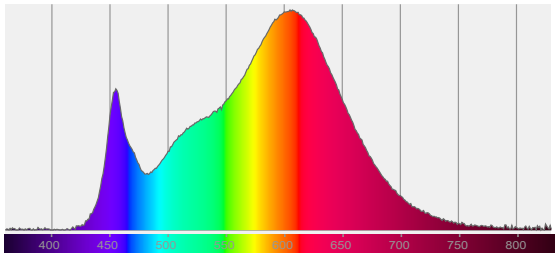
Overall Measurement

Angular Beam Distribution

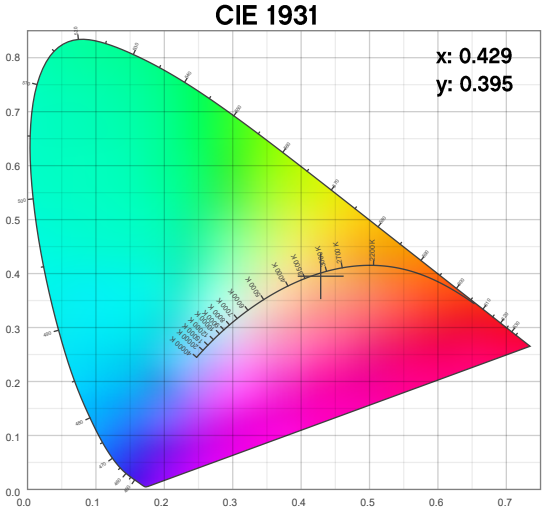


Beam Angle 360°

Spectral Distribution



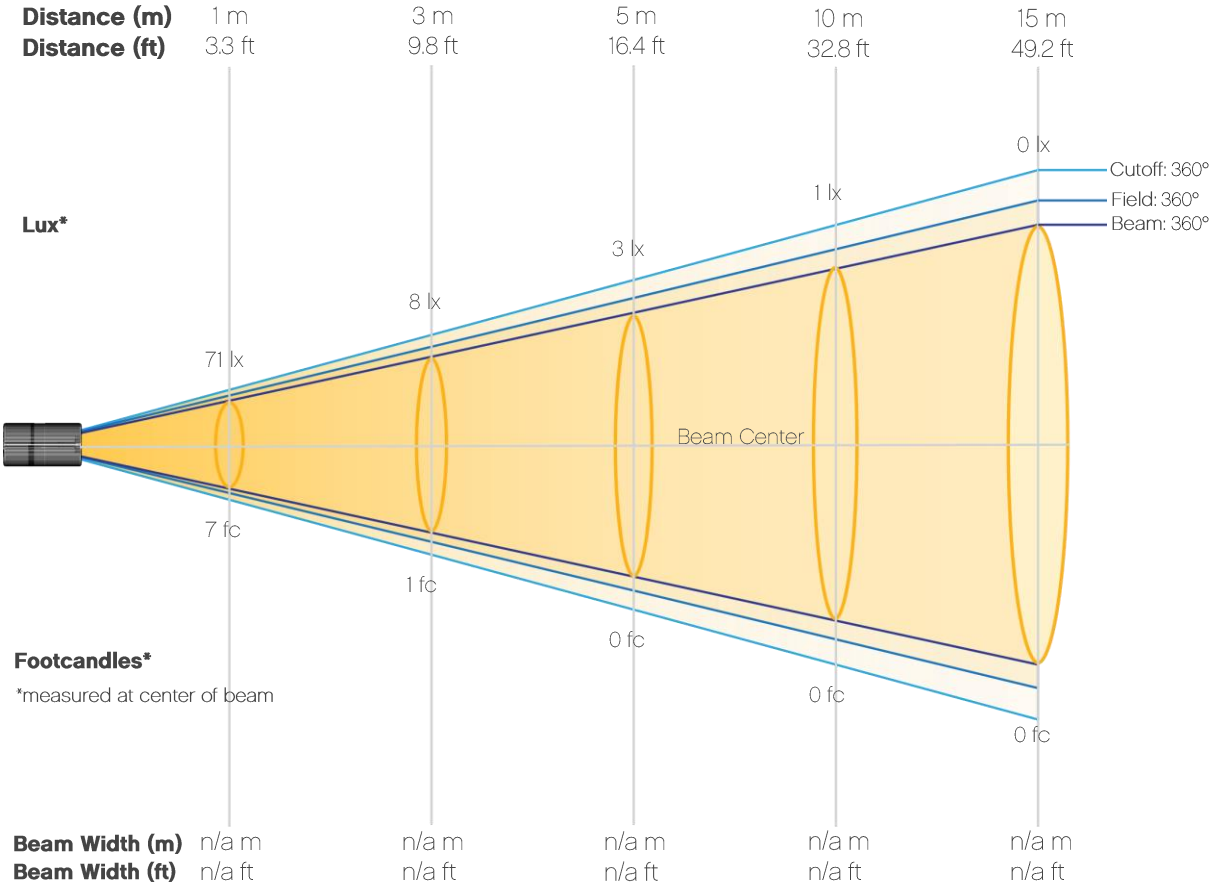
CIE 1931



Photometric Report

Well STX 360: Standard Optic, Warm White Only

Beam Details



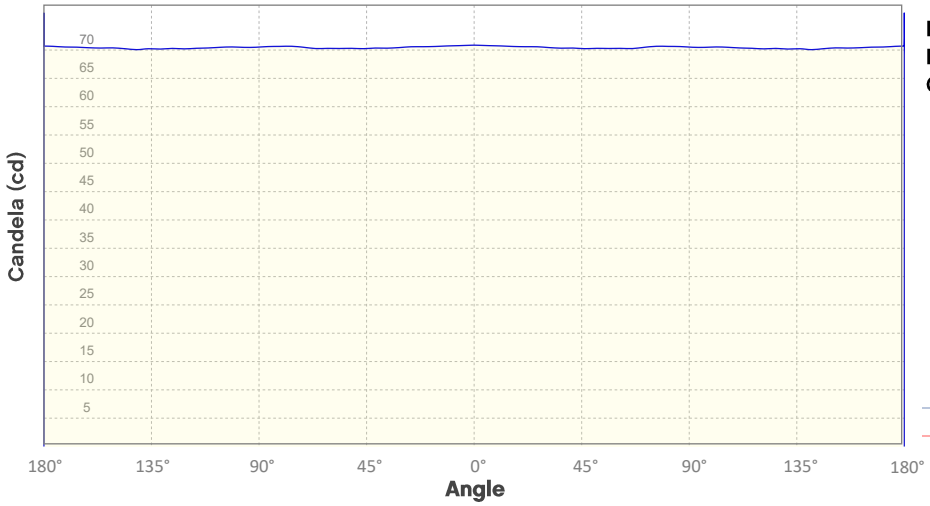
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	71	18	8	4	3	2	1	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	7	2	1	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, Warm White Only

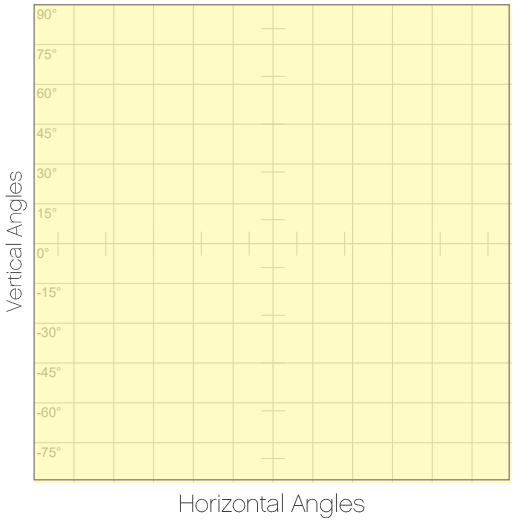
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

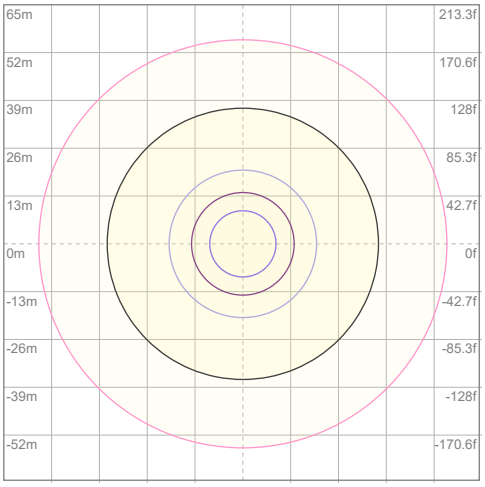
Polar Diagrams



iso-candela Diagram

10%	7 cd
20%	14 cd
30%	21 cd
40%	28 cd
50%	35 cd
60%	43 cd
70%	50 cd
80%	57 cd
90%	64 cd

Conditions:
Number of c-planes: 2
Candela at center: 71 cd



iso-illuminance Diagram

3%	21.3m lx
5%	35.4m lx
10%	70.8m lx
30%	0.213 lx
50%	0.354 lx

Conditions:
Number of c-planes: 2
Lux at center: 0.708 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360 : Standard Optic, 3200K

Report Summary

Output

Total Lumens: 1349 lm
Peak Intensity: 108 cd
Illuminance @ 5m: 4 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

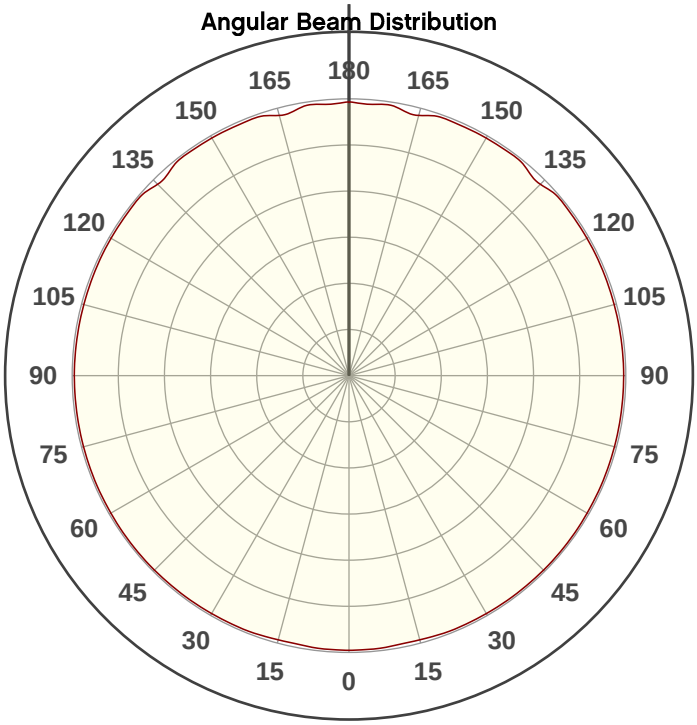
Conditions

AC Supply: 120 V, 60 Hz
Power: n/a W
Current: 0.000 A
Power Factor: n/a

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 1/24/2020 to LM-63-2002 Standards.

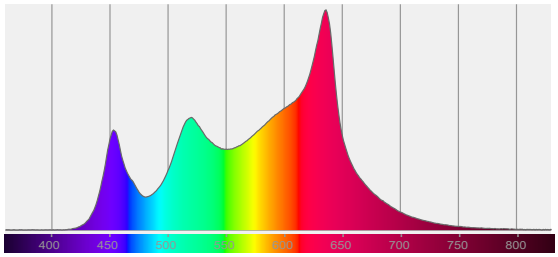
Overall Measurement

Angular Beam Distribution

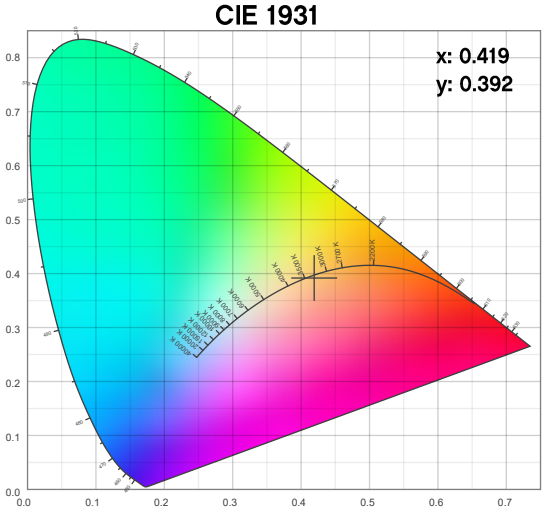


Beam Angle 360°

Spectral Distribution



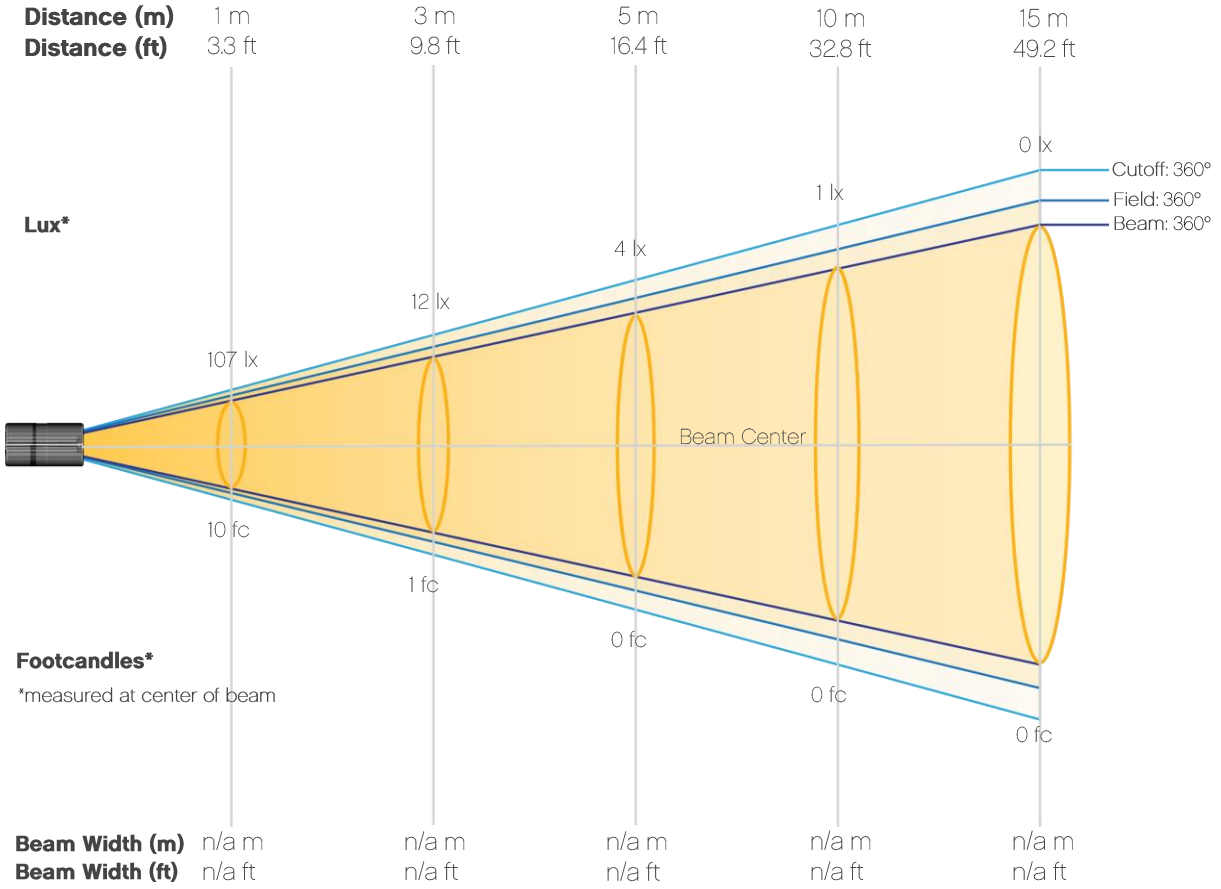
CIE 1931



Photometric Report

Well STX 360 : Standard Optic, 3200K

Beam Details



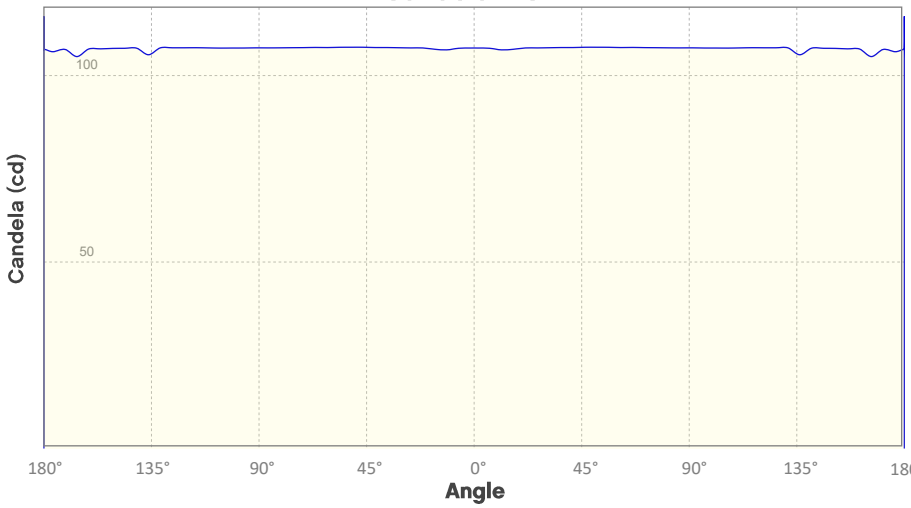
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	107	27	12	7	4	3	2	2	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	1	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	10	2	1	1	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360 : Standard Optic, 3200K

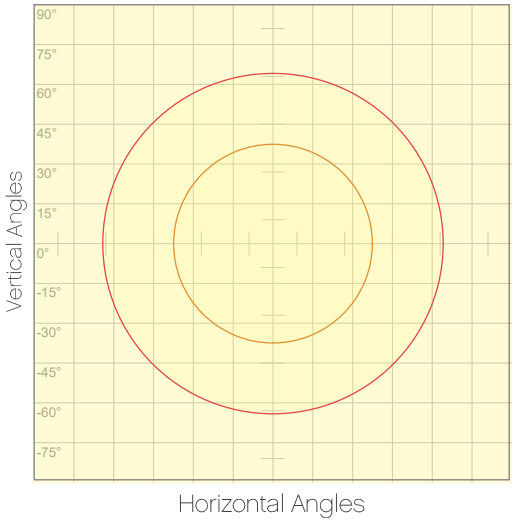
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

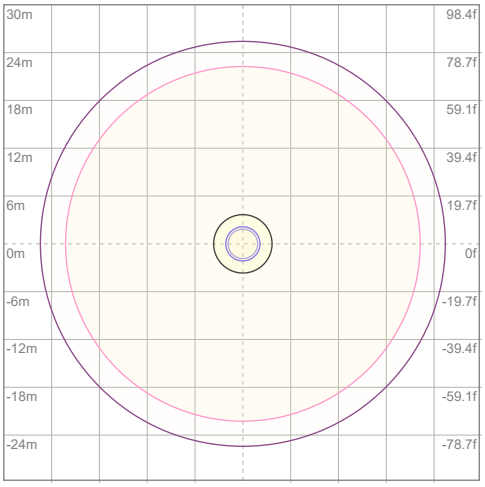
Polar Diagrams



iso-candela Diagram

10%	11 cd
20%	21 cd
30%	32 cd
40%	43 cd
50%	54 cd
60%	64 cd
70%	75 cd
80%	86 cd
90%	97 cd

Conditions:
Number of c-planes: 2
Candela at center: 107 cd



iso-illuminance Diagram

3%	32.2m lx
5%	53.7m lx
10%	0.107 lx
30%	0.322 lx
50%	0.537 lx

Conditions:
Number of c-planes: 2
Lux at center: 1.07 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, 4000K

Report Summary

Output

Total Lumens: 1318 lm
Peak Intensity: 105 cd
Illuminance @ 5m: 4 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

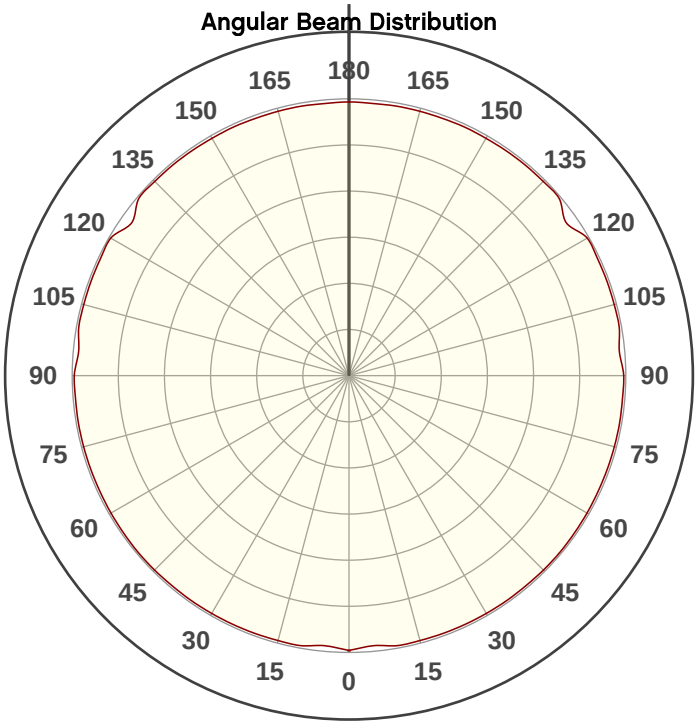
Conditions

AC Supply: 120 V, 60 Hz
Power: n/a W
Current: 0.000 A
Power Factor: n/a

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 1/24/2020 to LM-63-2002 Standards.

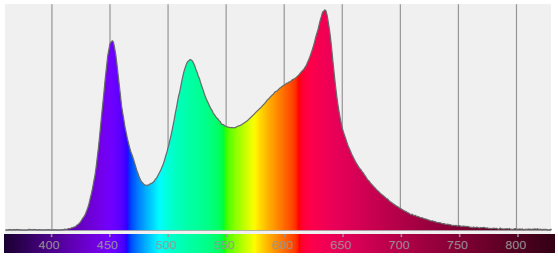
Overall Measurement

Angular Beam Distribution

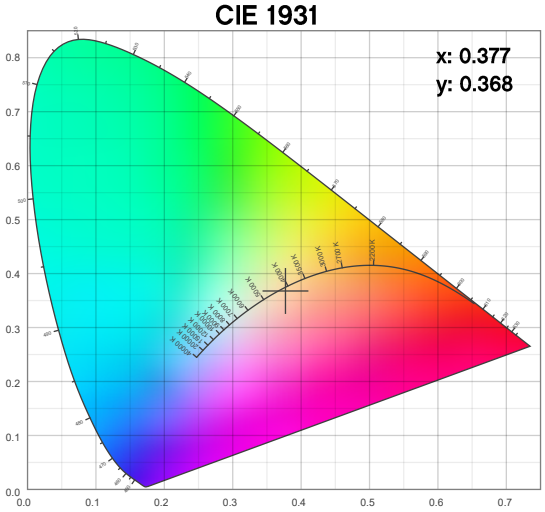


Beam Angle 360°

Spectral Distribution



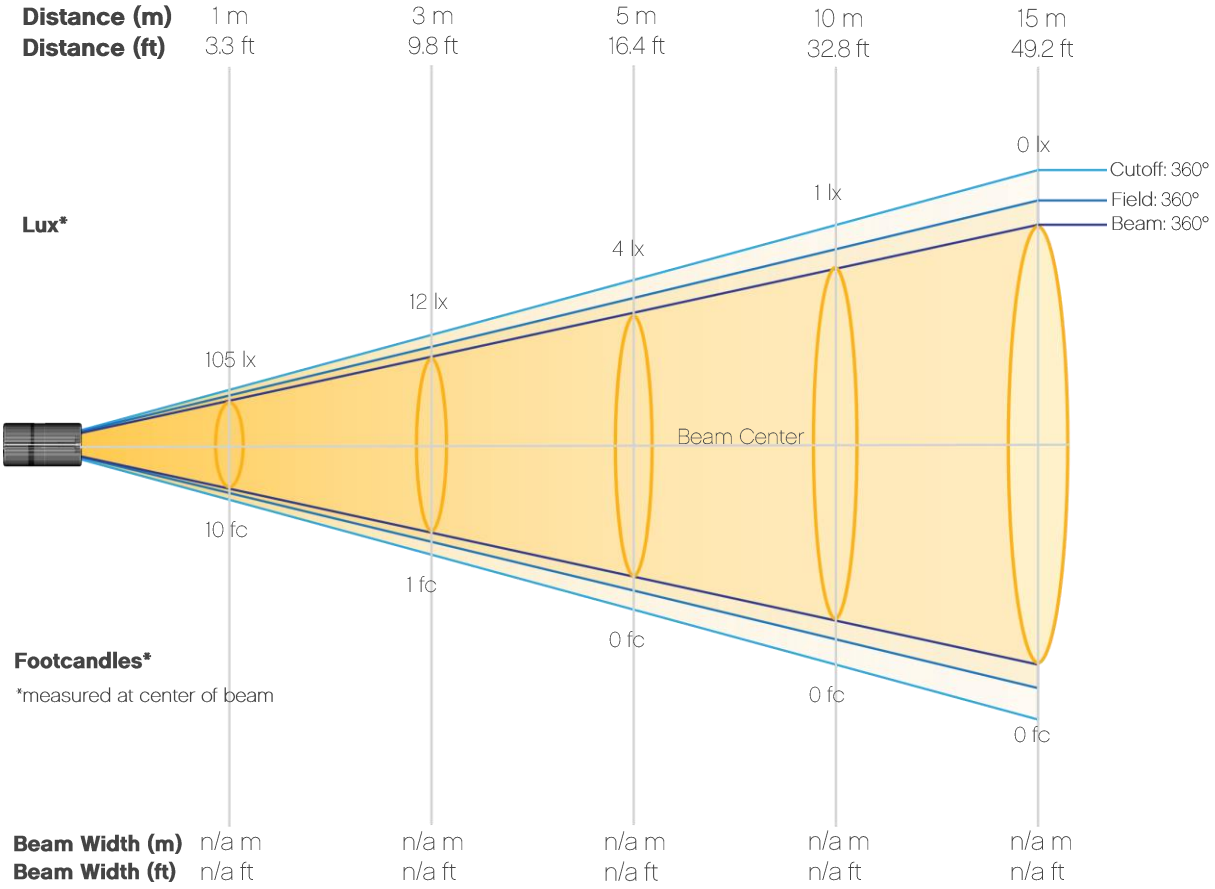
CIE 1931



Photometric Report

Well STX 360: Standard Optic, 4000K

Beam Details

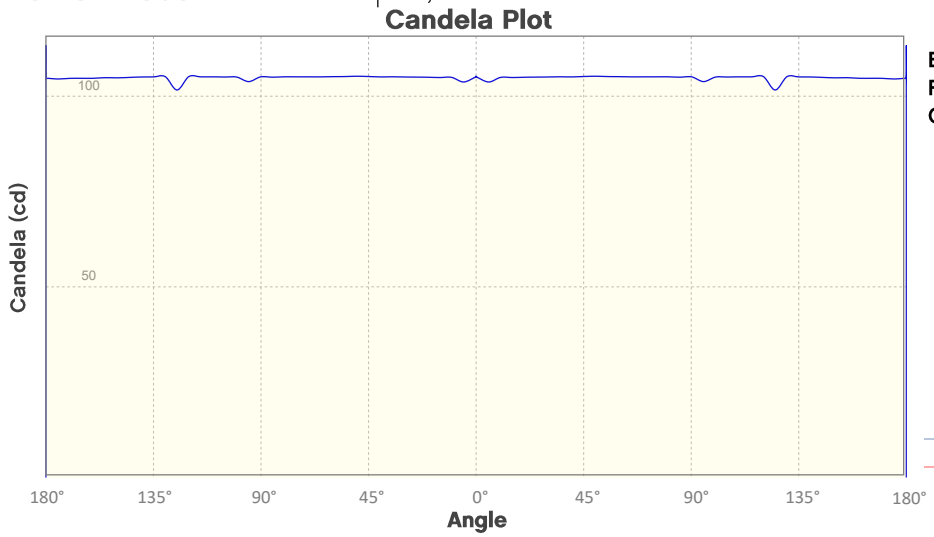


Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	105	26	12	7	4	3	2	2	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	1	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	10	2	1	1	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

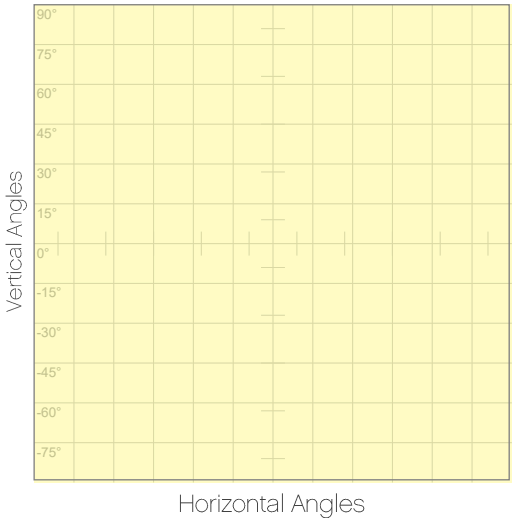
Photometric Report

Well STX 360: Standard Optic, 4000K



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

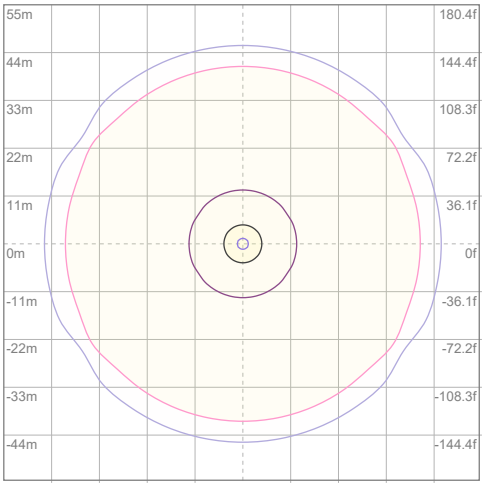
Polar Diagrams



iso-candela Diagram

10%	11 cd
20%	21 cd
30%	32 cd
40%	42 cd
50%	53 cd
60%	63 cd
70%	74 cd
80%	84 cd
90%	95 cd

Conditions:
Number of c-planes: 2
Candela at center: 105 cd



iso-illuminance Diagram

3%	31.5m lx
5%	52.5m lx
10%	0.105 lx
30%	0.315 lx
50%	0.525 lx

Conditions:
Number of c-planes: 2
Lux at center: 1.05 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Well STX 360: Standard Optic, 5600K

Report Summary

Output

Total Lumens: 1312 lm
Peak Intensity: 105 cd
Illuminance @ 5m: 4 lux
Fixture Efficacy: ffi lm/W

Optical

Horizontal Beam Angle (50%): 360°
Vertical Beam Angle (50%): 360°
Horizontal Field Angle (10%): 360°
Vertical Field Angle (10%): 360°
Horizontal Cutoff Angle (3%): 360°
Vertical Cutoff Angle (3%): 360°

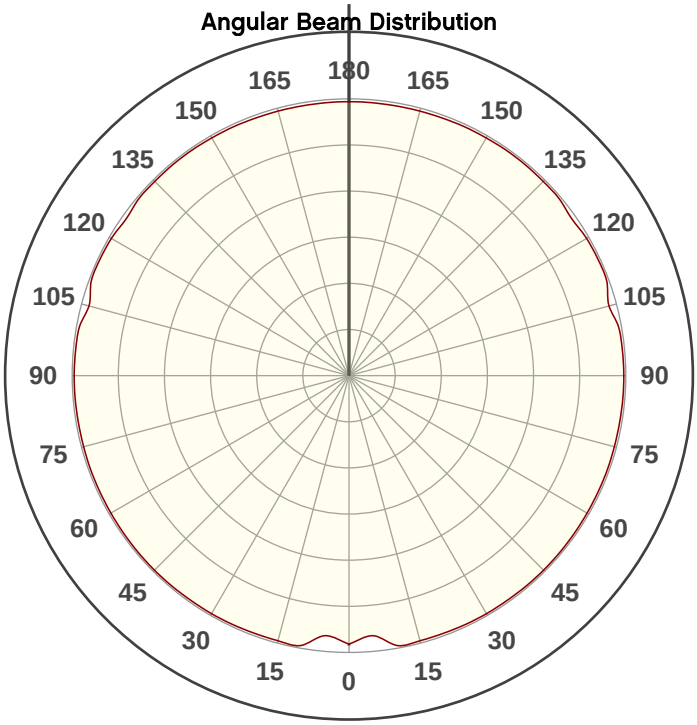
Conditions

AC Supply: 120 V, 60 Hz
Power: n/a W
Current: 0.000 A
Power Factor: n/a

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 1/24/2020 to LM-63-2002 Standards.

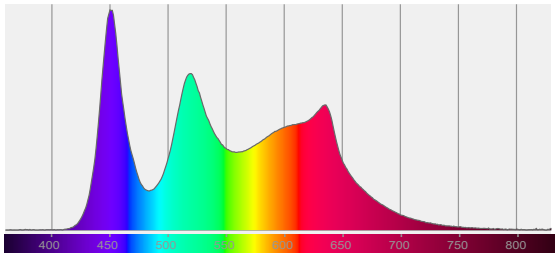
Overall Measurement

Angular Beam Distribution

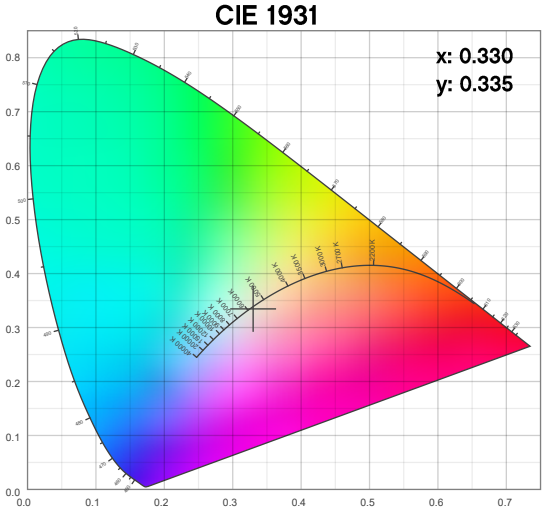


Beam Angle 360°

Spectral Distribution



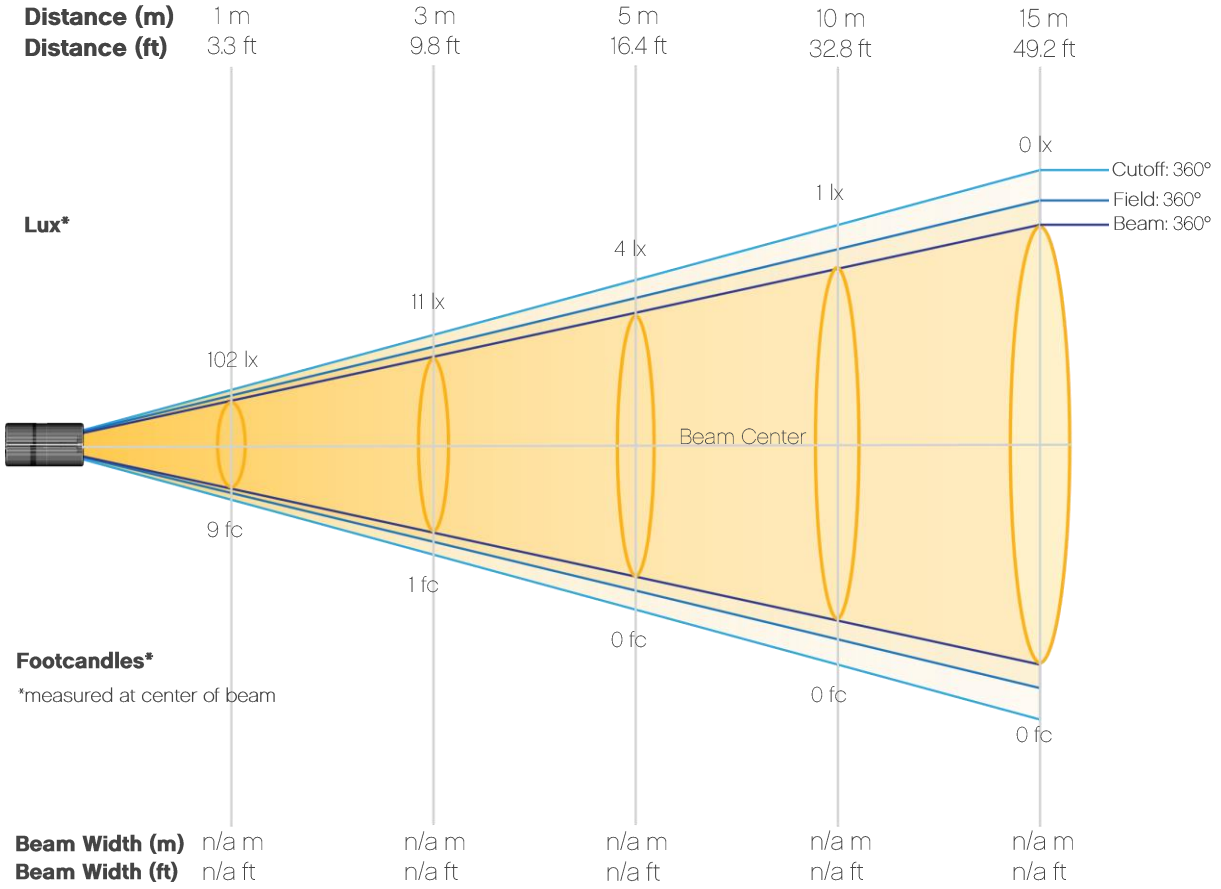
CIE 1931



Photometric Report

Well STX 360: Standard Optic, 5600K

Beam Details



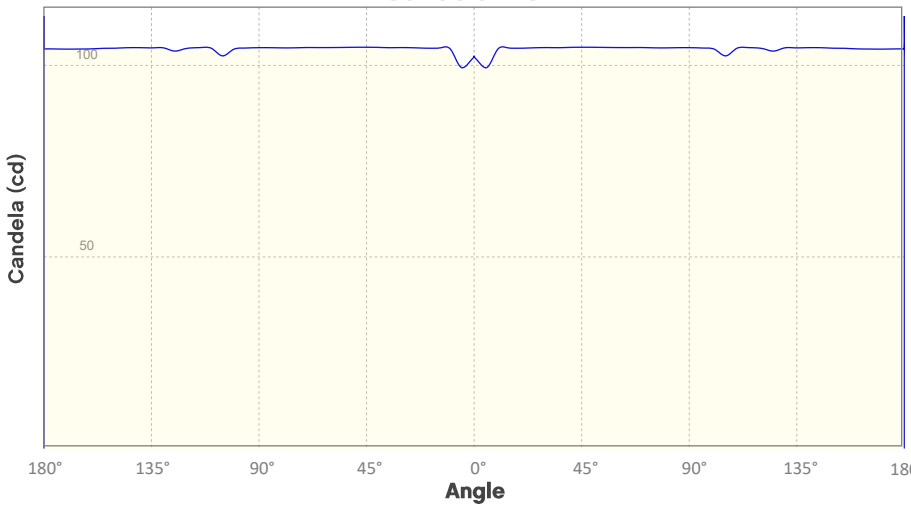
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	102	26	11	6	4	3	2	2	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	1	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	9	2	1	1	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric Report

Well STX 360: Standard Optic, 5600K

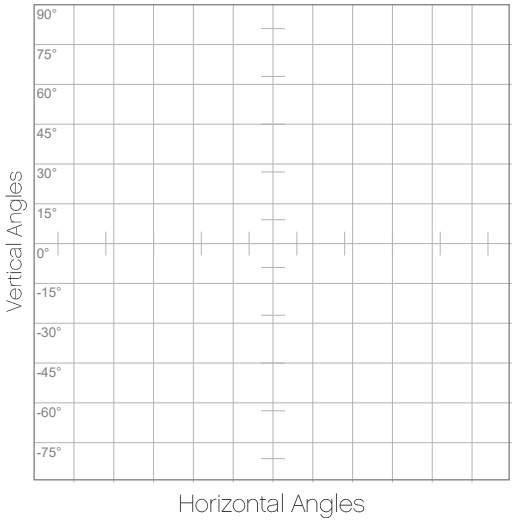
Candela Plot



Beam Angle (50%): 360°
Field Angle (10%): 360°
Cutoff Angle (3%): 360°

Horizontal Distribution
Vertical Distribution

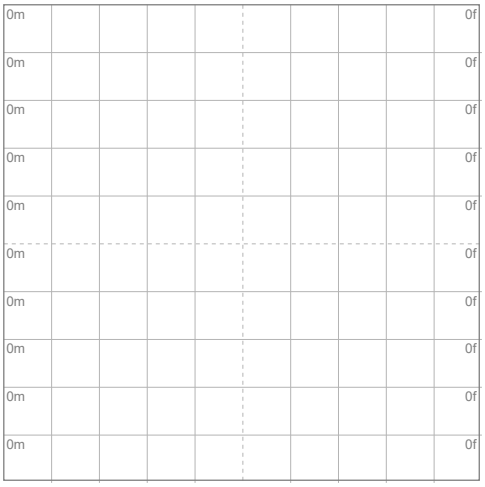
Polar Diagrams



iso-candela Diagram

10%	10 cd
20%	20 cd
30%	31 cd
40%	41 cd
50%	51 cd
60%	61 cd
70%	71 cd
80%	82 cd
90%	92 cd

Conditions:
Number of c-planes: 2
Candela at center: 102 cd



iso-illuminance Diagram

3%	30.6m lx
5%	51.0m lx
10%	0.102 lx
30%	0.306 lx
50%	0.510 lx

Conditions:
Number of c-planes: 2
Lux at center: 1.02 lx

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

Mounting height: 10 meters / 33 feet

Chromaticity Report

Well STX 360: Full Power

Report Summary

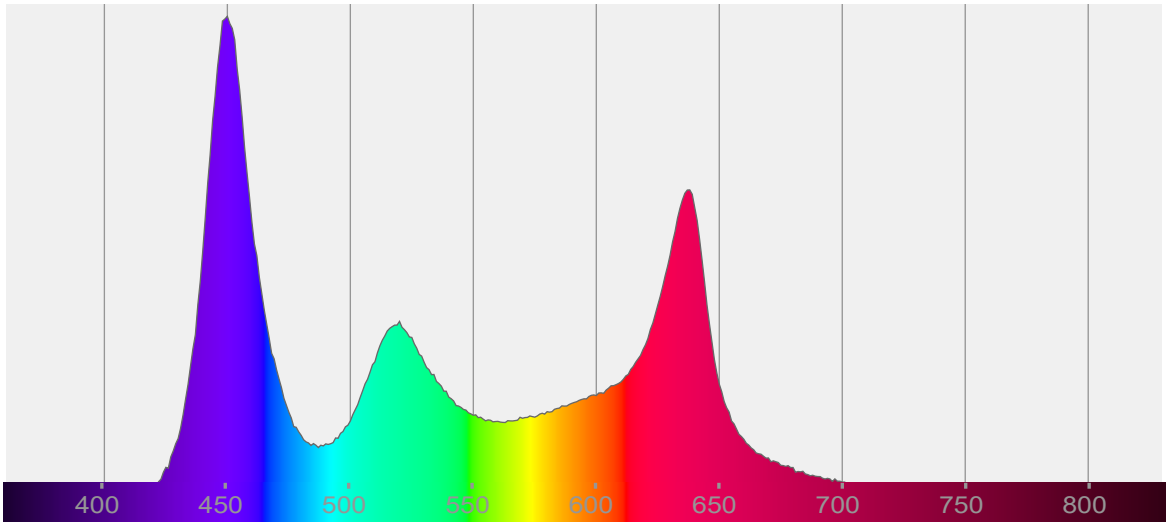
Measurements

Total Lumens: 590 lm
Peak Intensity: 47.3 cd
Fixture Efficacy: 10 lm/W

Correlated Color Temperature: 9702K
Δuv: -0.0408

CRI: 51.0 CRI R9 Value: -139.1
CQS: 82.5
TLCI: 63
TM-30-18 Rf: 67.9
TM-30-18 Rg: 124.1
1st Dominant Wavelength: 450 nM
2nd Dominant Wavelength: 638 nM

Spectral Distribution



Tested Color

9702 K
CIE 1931 Coordinates:
X: 0.303 Y: 0.249

Color Temperature

9702 K

Light Quality

CRI: 51.0

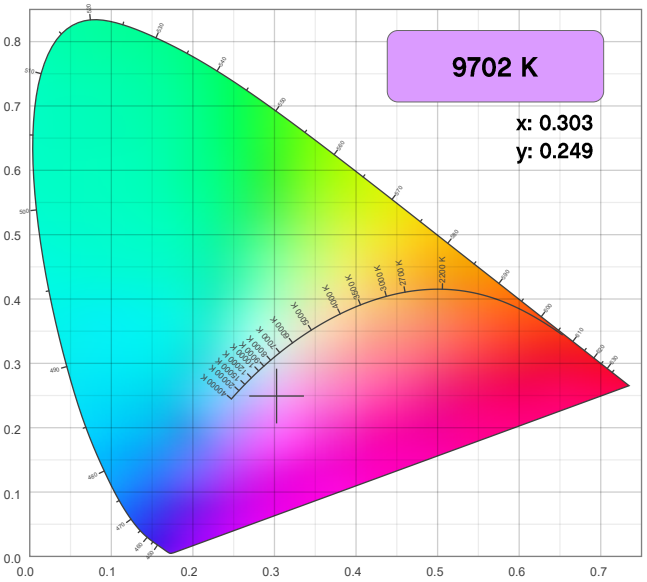
Notes:

Chromaticity Report

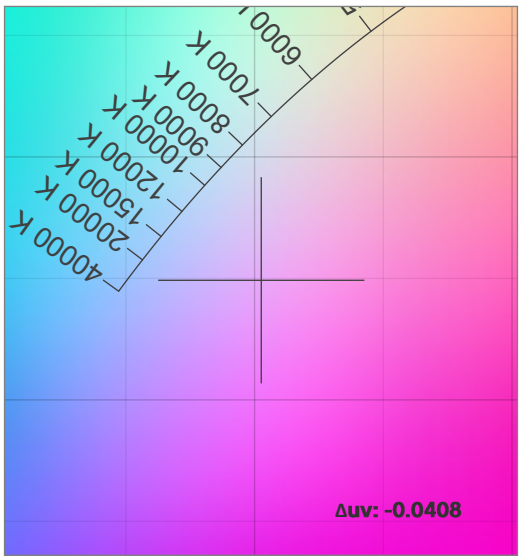
Well STX 360: Full Power

Chromaticity

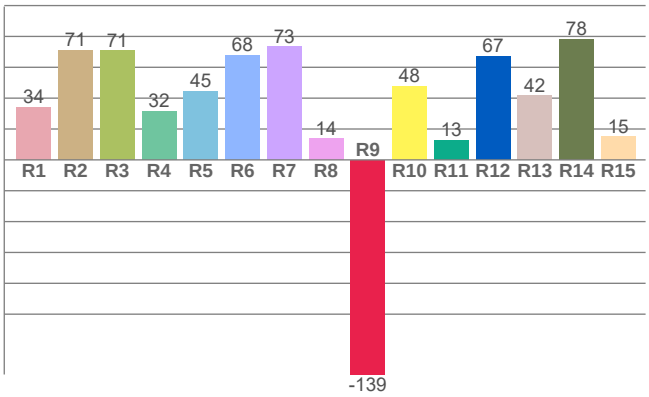
CIE 1931



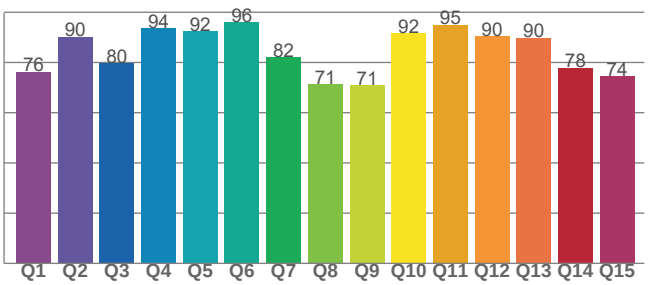
CIE 1931 - Zoom



CRI: 51.0 (R1-R8)



CQS: 82.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9702 K	0.303	0.249

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0408	0.249	0.225

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
51.0	-139.1	82.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
63	67.9	124.1

Chromaticity Report

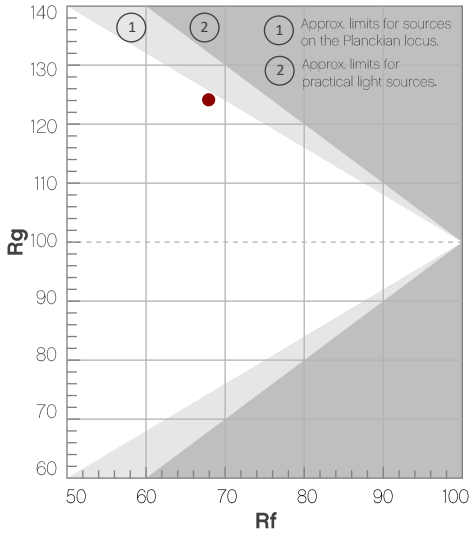
Well STX 360: Full Power

TM-30-18 Details

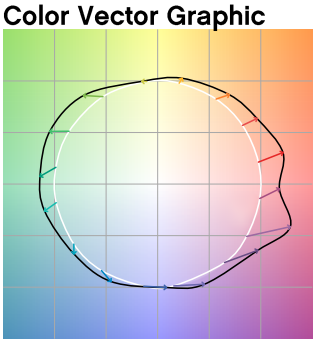
Rf 67.9
Fidelity Index (Rg)

Rg 124.1
Gamut Index (Rg)

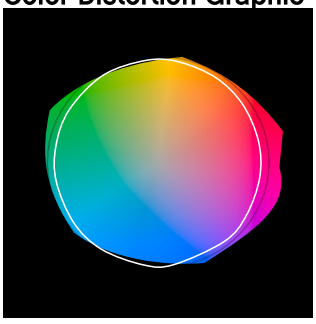
Hue Bin	R_f	Chroma Shift	Hue Shift
1	48	25%	4%
2	62	15%	-2%
3	72	11%	-8%
4	84	5%	-2%
5	82	1%	5%
6	69	11%	15%
7	70	16%	11%
8	62	13%	12%
9	78	13%	6%
10	83	5%	8%
11	68	4%	14%
12	68	-3%	22%
13	60	4%	29%
14	44	8%	33%
15	47	30%	31%
16	53	17%	13%



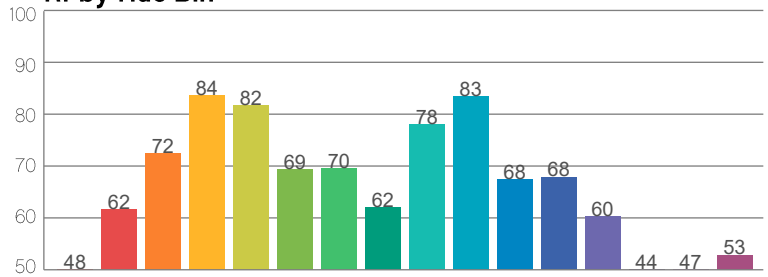
Color Vector Graphic



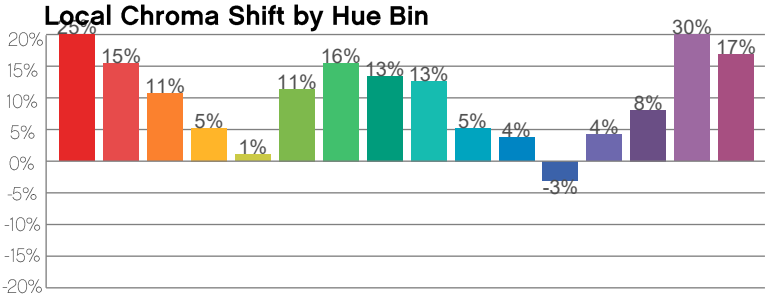
Color Distortion Graphic



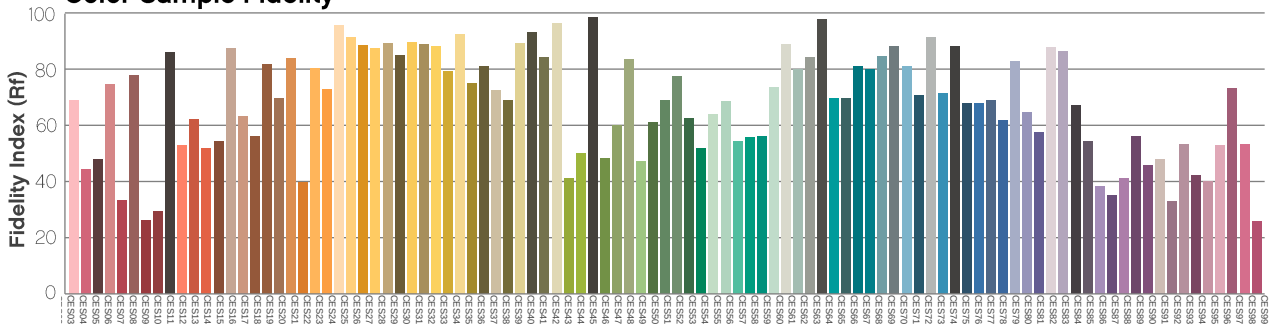
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Full Power

Report Summary

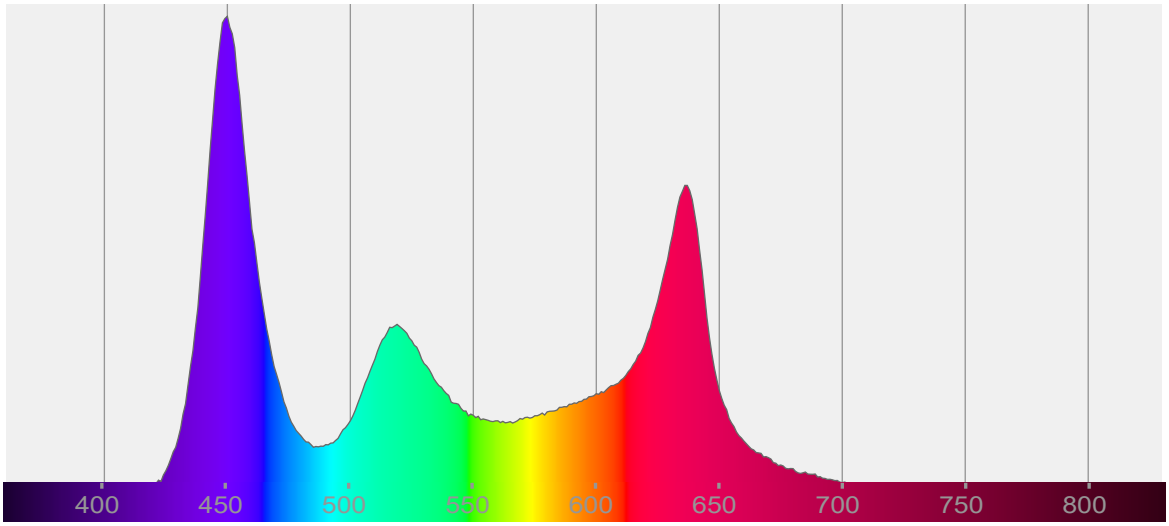
Measurements

Total Lumens: 397 lm
Peak Intensity: 31.8 cd
Fixture Efficacy: 8 lm/W

Correlated Color Temperature: 9494K
Δuv: -0.0414

CRI: 50.4 CRI R9 Value: -139.5
CQS: 82.3
TLCI: 64
TM-30-18 Rf: 67.8
TM-30-18 Rg: 124.5
1st Dominant Wavelength: 450 nM
2nd Dominant Wavelength: 636 nM

Spectral Distribution



Tested Color

9494 K
CIE 1931 Coordinates:
X: 0.304 Y: 0.249

Color Temperature

9494 K

Light Quality

CRI: 50.4

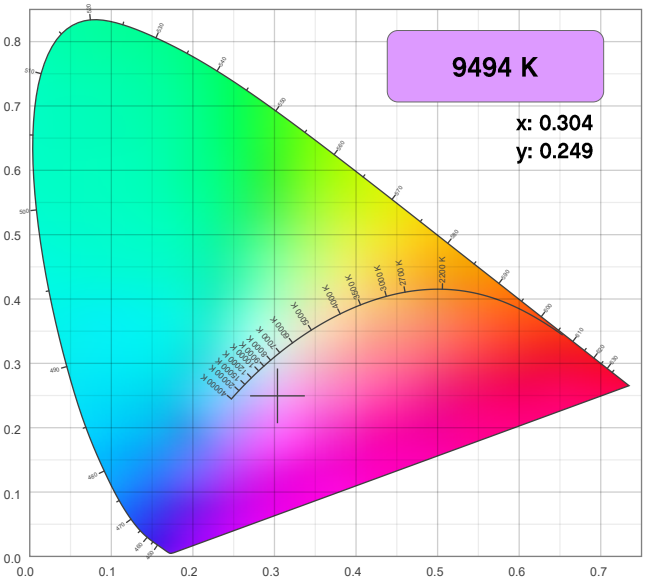
Notes:

Chromaticity Report

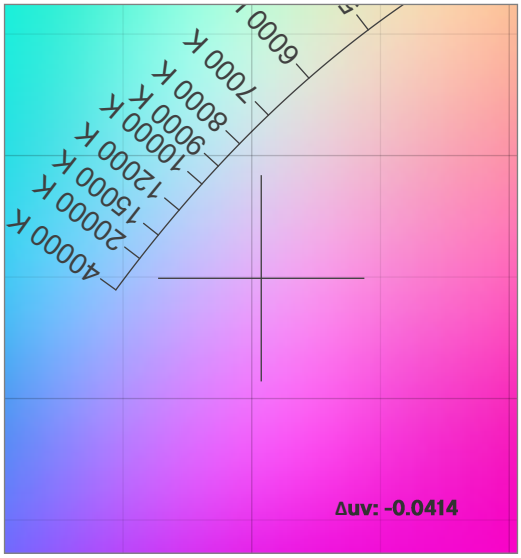
Well STX 360: Full Power

Chromaticity

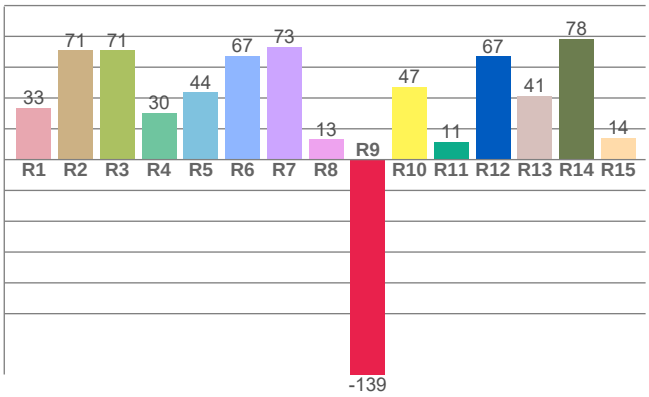
CIE 1931



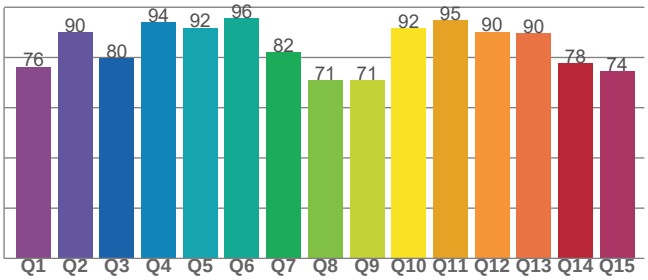
CIE 1931 - Zoom



CRI: 50.4 (R1-R8)



CQS: 82.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9494 K	0.304	0.249

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0414	0.249	0.226

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
50.4	-139.5	82.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
64	67.8	124.5

Chromaticity Report

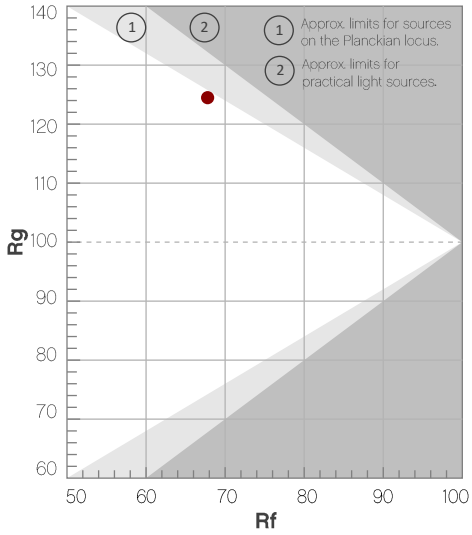
Well STX 360: Full Power

TM-30-18 Details

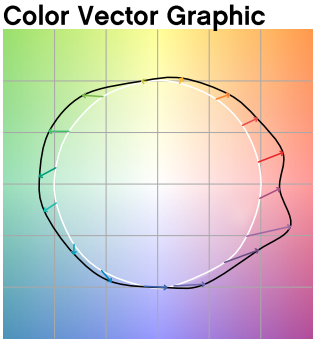
Rf 67.8
Fidelity Index (Rg)

Rg 124.5
Gamut Index (Rg)

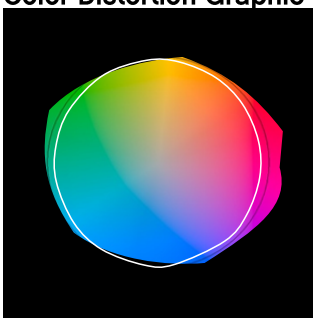
Hue Bin	R_f	Chroma Shift	Hue Shift
1	48	25%	4%
2	61	16%	-2%
3	72	11%	-8%
4	83	5%	-2%
5	82	1%	5%
6	69	12%	15%
7	69	16%	11%
8	62	14%	11%
9	78	13%	5%
10	84	5%	8%
11	68	4%	13%
12	68	-3%	22%
13	60	4%	30%
14	44	8%	34%
15	47	30%	31%
16	53	17%	13%



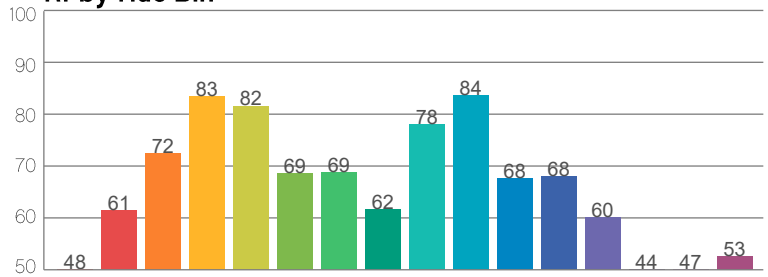
Color Vector Graphic



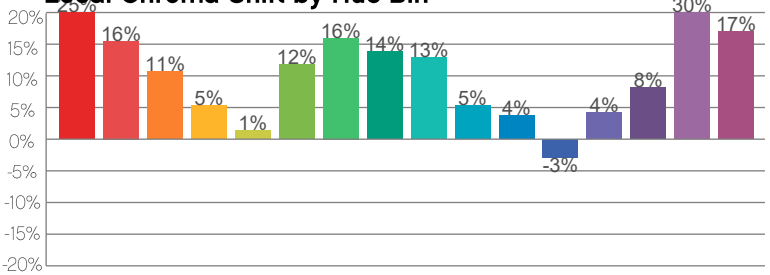
Color Distortion Graphic



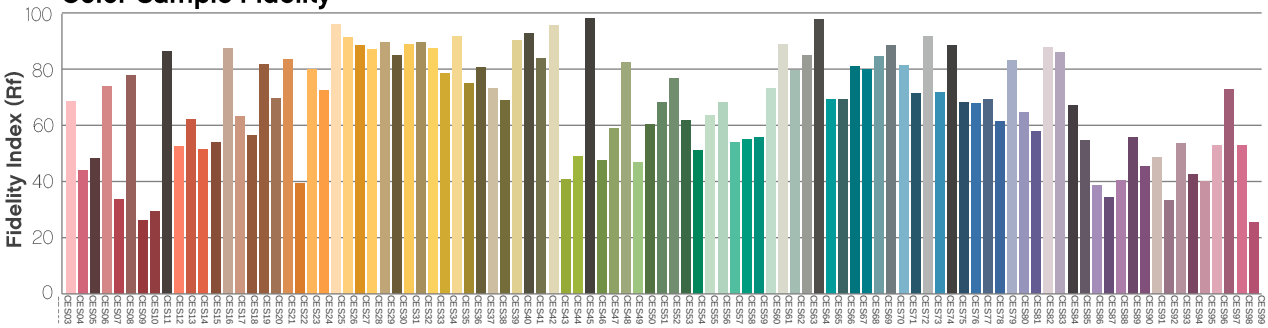
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Warm White Only

Report Summary

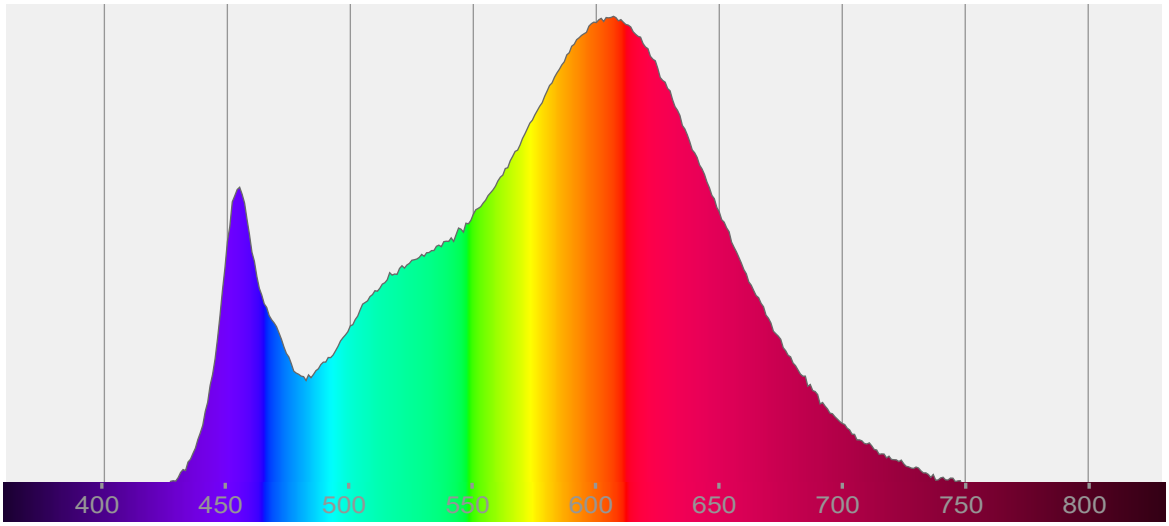
Measurements

Total Lumens: 1255 lm
Peak Intensity: 101 cd
Fixture Efficacy: 22 lm/W

Correlated Color Temperature: 3072K
Δuv: -0.0024

CRI: 85.5 CRI R9 Value: 19.3
CQS: 84.3
TLCI: 75
TM-30-18 Rf: 84.4
TM-30-18 Rg: 95.4
1st Dominant Wavelength: 607 nM
2nd Dominant Wavelength: 455 nM

Spectral Distribution



Tested Color

3072 K
CIE 1931 Coordinates:
X: 0.429 Y: 0.395

Color Temperature

3072 K

Light Quality

CRI: 85.5

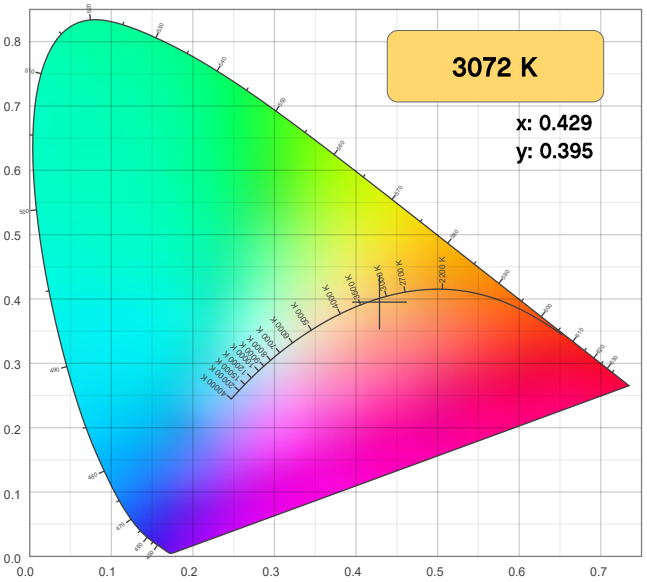
Notes:

Chromaticity Report

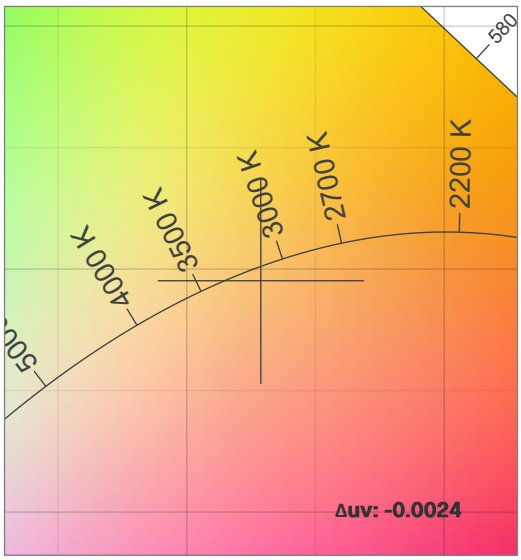
Well STX 360: Warm White Only

Chromaticity

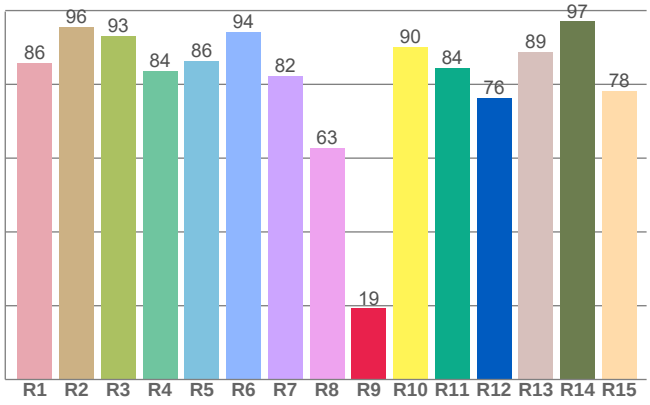
CIE 1931



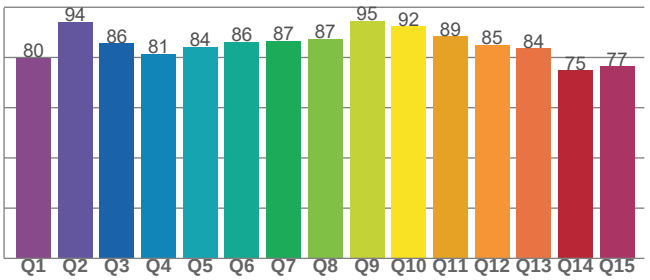
CIE 1931 - Zoom



CRI: 85.5 (R1-R8)



CQS: 84.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3072 K	0.429	0.395

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0024	0.395	0.249

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
85.5	19.3	84.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
75	84.4	95.4

Chromaticity Report

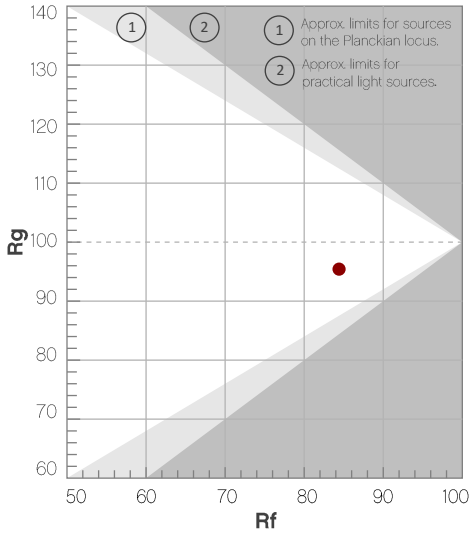
Well STX 360: Warm White Only

TM-30-18 Details

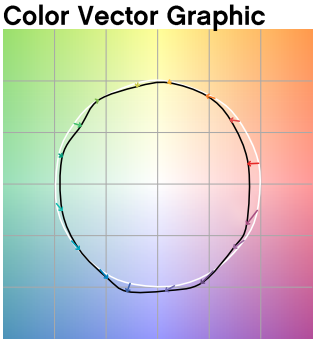
Rf 84.4
Fidelity Index (Rg)

Rg 95.4
Gamut Index (Rg)

Hue Bin	R_f	Chroma Shift	Hue Shift
1	79	-10%	2%
2	82	-7%	6%
3	82	-2%	8%
4	92	-1%	3%
5	91	-3%	1%
6	94	0%	-2%
7	87	-7%	-2%
8	92	-4%	2%
9	86	-4%	8%
10	79	-2%	11%
11	82	3%	10%
12	85	8%	-1%
13	85	3%	-9%
14	78	3%	-16%
15	78	-4%	-11%
16	75	-8%	-15%

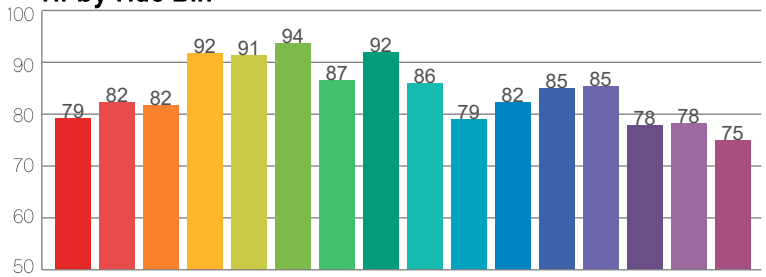


Color Vector Graphic

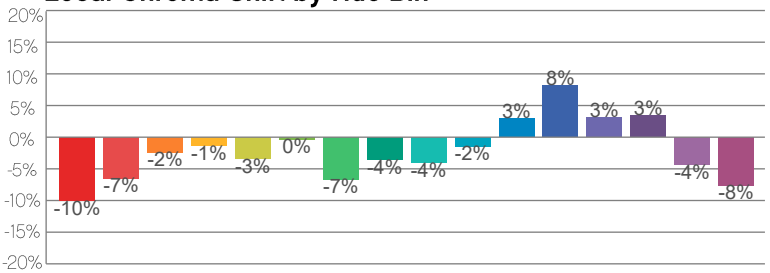


Color Distortion Graphic

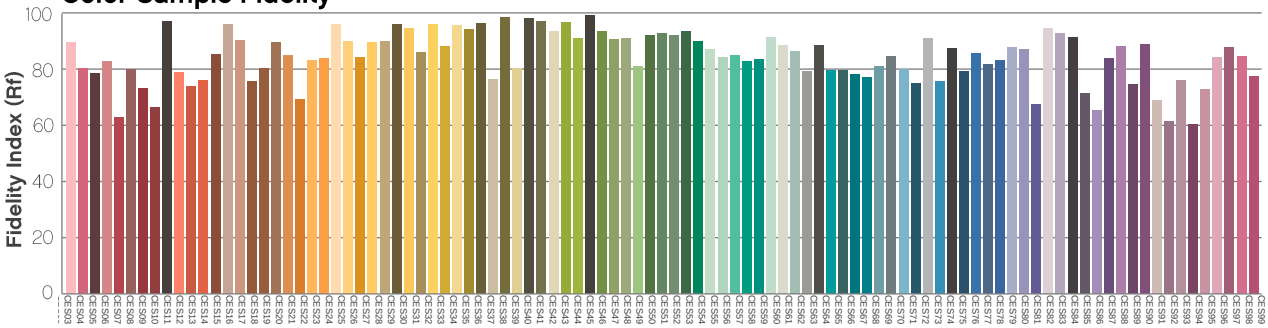
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Warm White Only

Report Summary

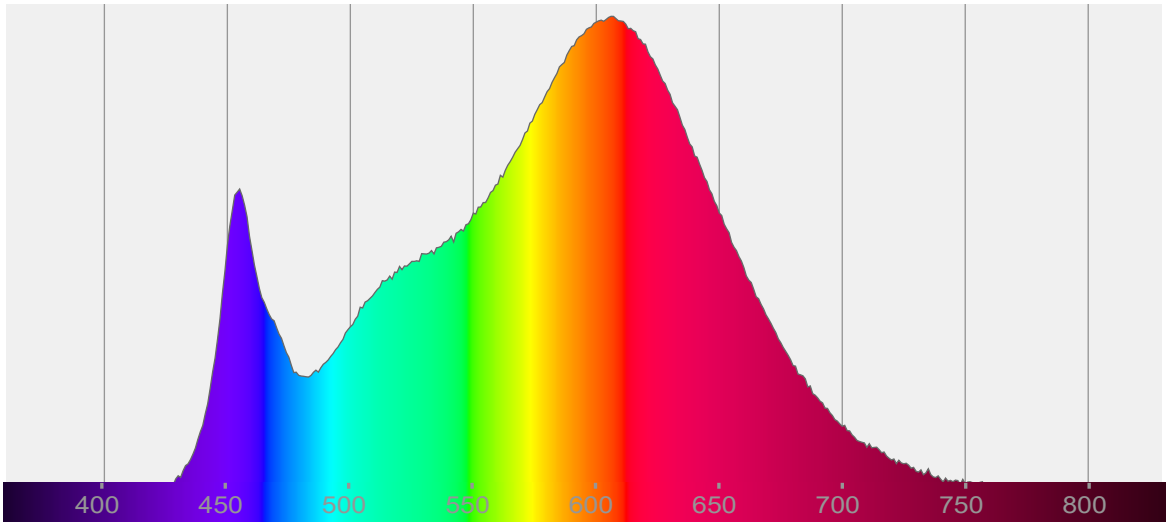
Measurements

Total Lumens: 1255 lm
Peak Intensity: 100 cd
Fixture Efficacy: 22 lm/W

Correlated Color Temperature: 3071K
Δuv: -0.0023

CRI: 85.4 CRI R9 Value: 19.0
CQS: 84.3
TLCI: 74
TM-30-18 Rf: 84.3
TM-30-18 Rg: 95.3
1st Dominant Wavelength: 606 nM
2nd Dominant Wavelength: 455 nM

Spectral Distribution



Tested Color

3071 K
CIE 1931 Coordinates:
X: 0.429 Y: 0.395

Color Temperature

3071 K

Light Quality

CRI: 85.4

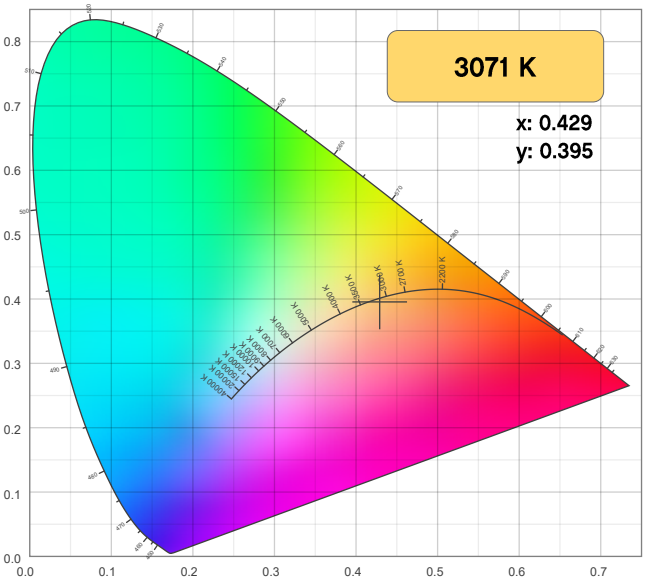
Notes:

Chromaticity Report

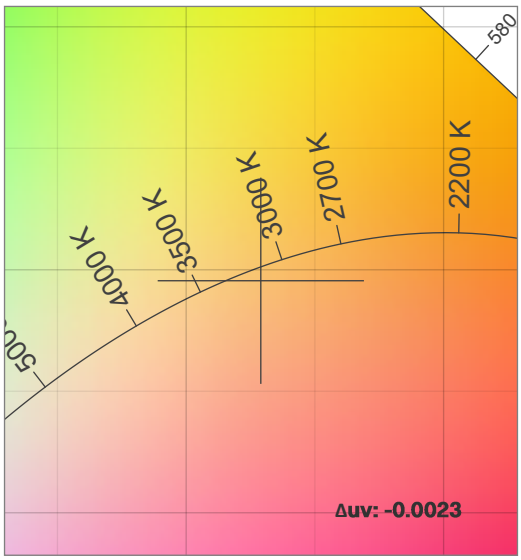
Well STX 360: Warm White Only

Chromaticity

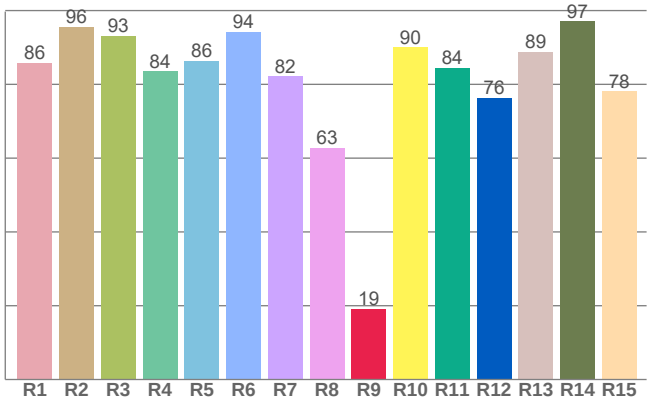
CIE 1931



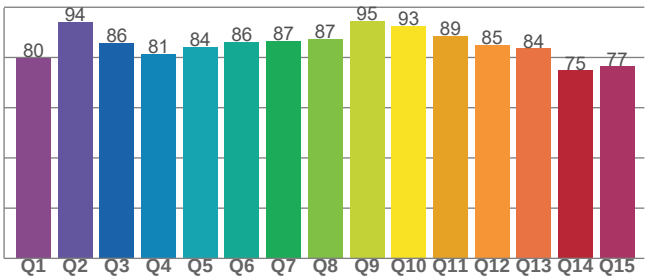
CIE 1931 - Zoom



CRI: 85.4 (R1-R8)



CQS: 84.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3071 K	0.429	0.395

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0023	0.395	0.249

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
85.4	19.0	84.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
74	84.3	95.3

Chromaticity Report

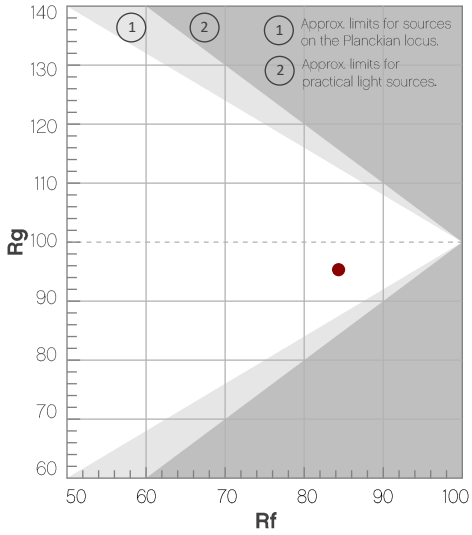
Well STX 360: Warm White Only

TM-30-18 Details

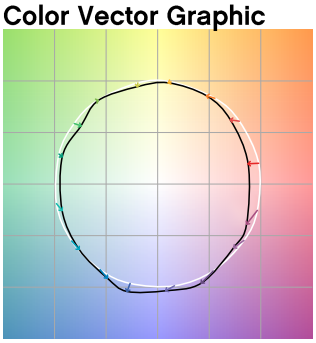
Rf 84.3
Fidelity Index (Rg)

Rg 95.3
Gamut Index (Rg)

Hue Bin	R_f	Chroma Shift	Hue Shift
1	79	-10%	2%
2	82	-7%	6%
3	82	-2%	8%
4	92	-1%	2%
5	91	-4%	1%
6	94	0%	-2%
7	86	-7%	-2%
8	92	-4%	2%
9	86	-4%	8%
10	79	-1%	11%
11	82	3%	10%
12	85	8%	-1%
13	85	3%	-9%
14	78	3%	-16%
15	78	-4%	-11%
16	75	-8%	-15%

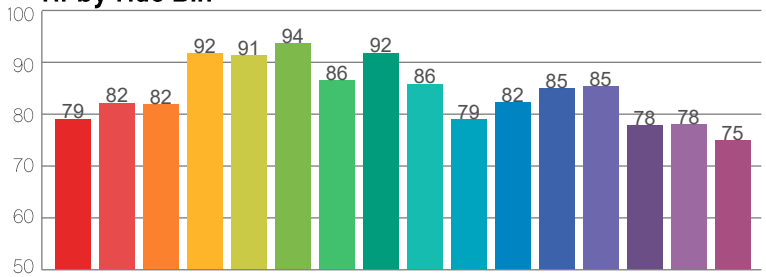


Color Vector Graphic

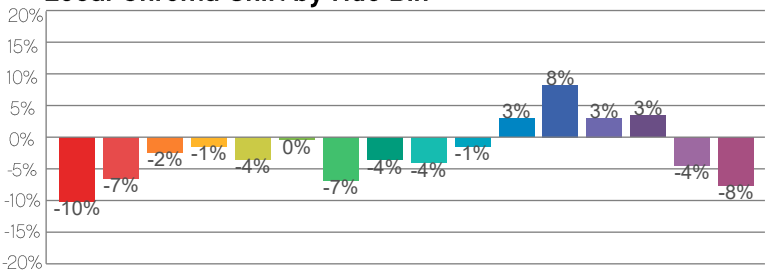


Color Distortion Graphic

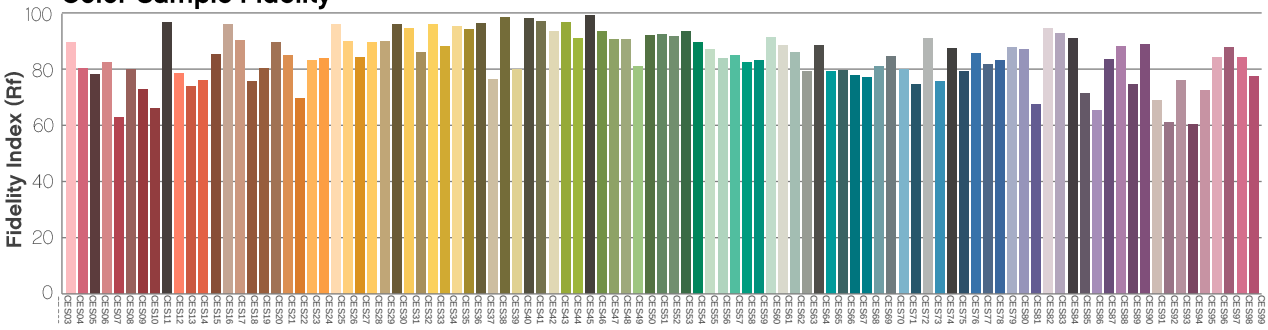
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Warm White Only

Report Summary

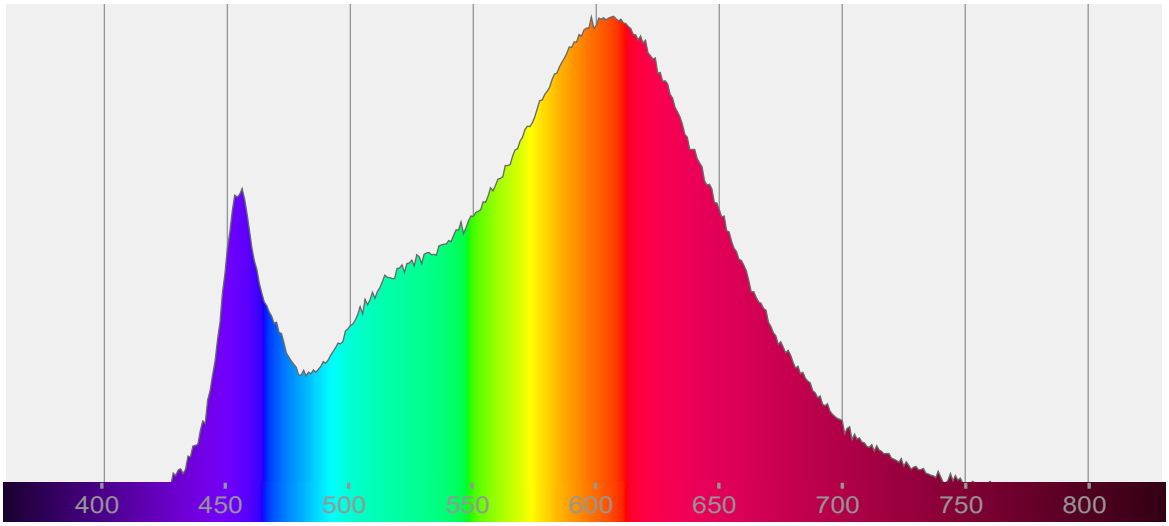
Measurements

Total Lumens: 838 lm
Peak Intensity: 67.4 cd
Fixture Efficacy: 15 lm/W

Correlated Color Temperature: 3072K
Δuv: -0.0025

CRI: 85.4 CRI R9 Value: 18.9
CQS: 84.2
TLCI: 75
TM-30-18 Rf: 84.3
TM-30-18 Rg: 95.3
1st Dominant Wavelength: 607 nM
2nd Dominant Wavelength: 456 nM

Spectral Distribution



Tested Color

3072 K
CIE 1931 Coordinates:
X: 0.429 Y: 0.395

Color Temperature

3072 K

Light Quality

CRI: 85.4

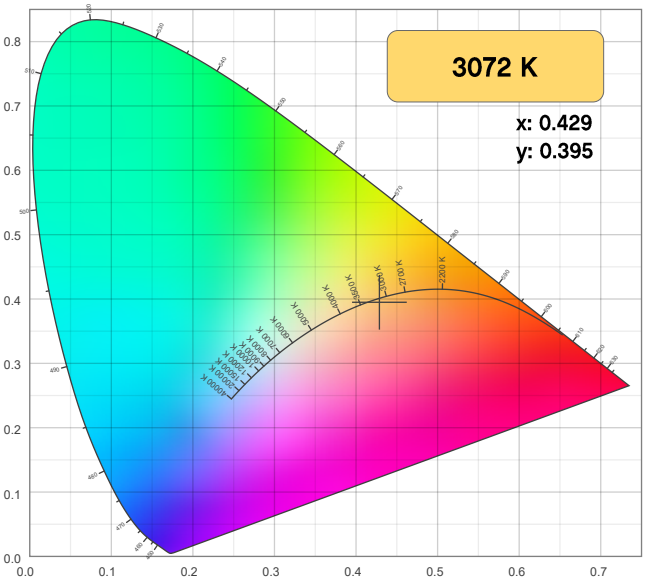
Notes:

Chromaticity Report

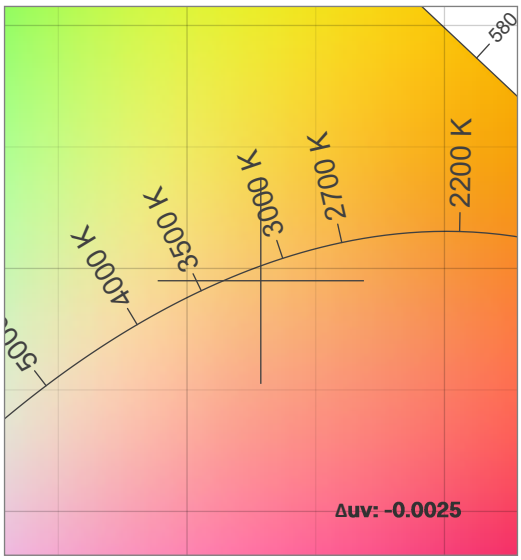
Well STX 360: Warm White Only

Chromaticity

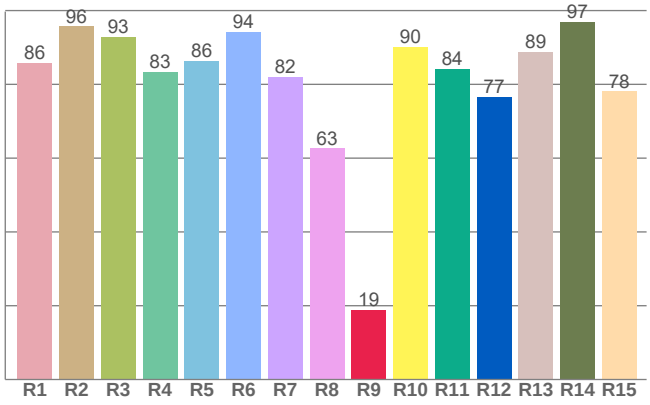
CIE 1931



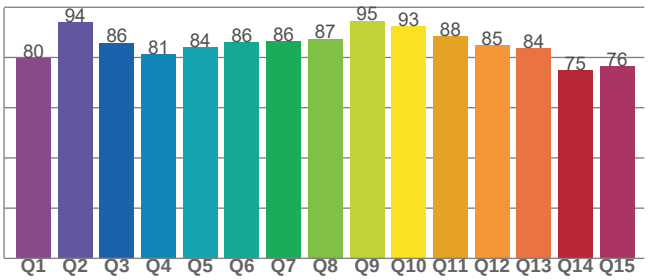
CIE 1931 - Zoom



CRI: 85.4 (R1-R8)



CQS: 84.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3072 K	0.429	0.395

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0025	0.395	0.249

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
85.4	18.9	84.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
75	84.3	95.3

Chromaticity Report

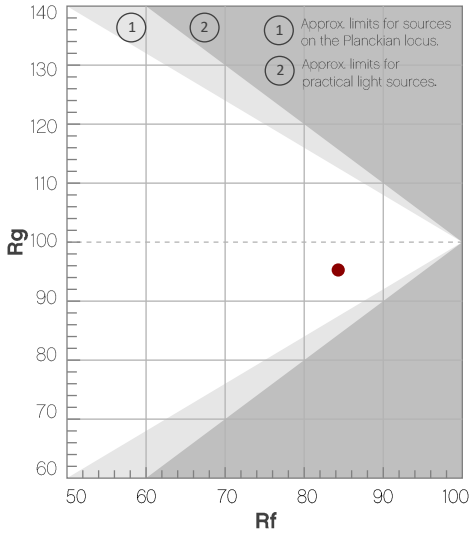
Well STX 360: Warm White Only

TM-30-18 Details

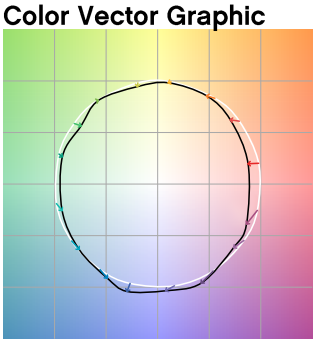
Rf 84.3
Fidelity Index (Rg)

Rg 95.3
Gamut Index (Rg)

Hue Bin	R_f	Chroma Shift	Hue Shift
1	79	-10%	2%
2	82	-7%	6%
3	82	-2%	8%
4	92	-1%	2%
5	91	-3%	1%
6	93	-1%	-2%
7	86	-7%	-2%
8	92	-4%	2%
9	86	-4%	8%
10	79	-1%	11%
11	82	3%	10%
12	85	8%	-1%
13	85	3%	-9%
14	78	3%	-16%
15	78	-4%	-11%
16	75	-8%	-15%

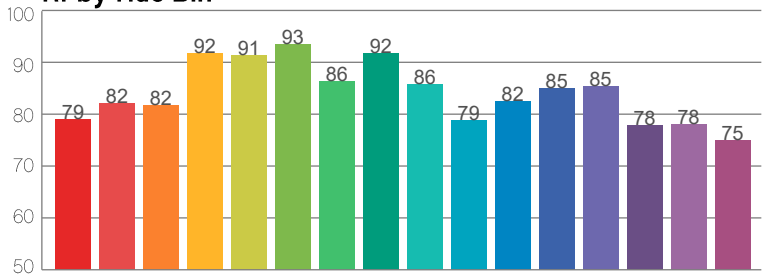


Color Vector Graphic

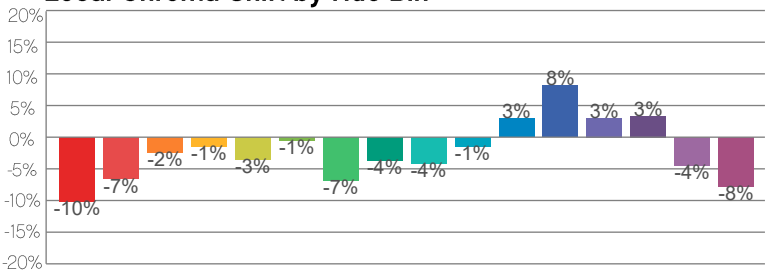


Color Distortion Graphic

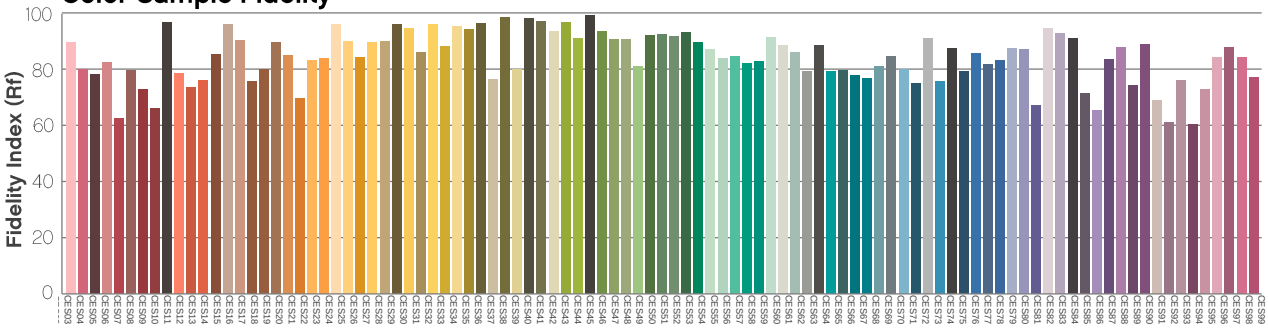
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: Warm White Only

Report Summary

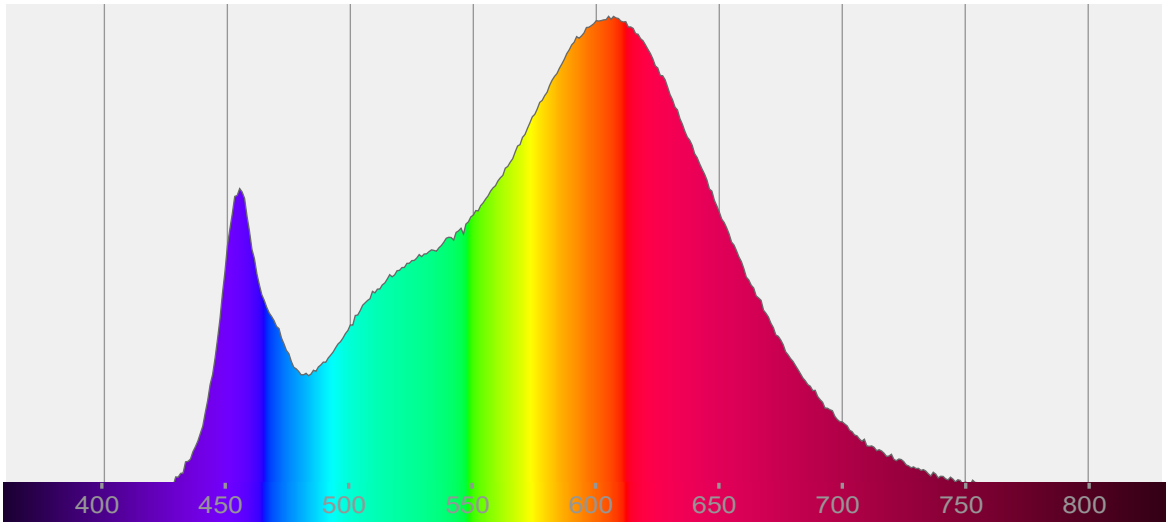
Measurements

Total Lumens: 885 lm
Peak Intensity: 70.8 cd
Fixture Efficacy: 17 lm/W

Correlated Color Temperature: 3074K
Δuv: -0.0024

CRI: 85.5 CRI R9 Value: 19.3
CQS: 84.3
TLCI: 75
TM-30-18 Rf: 84.4
TM-30-18 Rg: 95.3
1st Dominant Wavelength: 605 nM
2nd Dominant Wavelength: 455 nM

Spectral Distribution



Tested Color

3074 K
CIE 1931 Coordinates:
X: 0.429 Y: 0.395

Color Temperature

3074 K

Light Quality

CRI: 85.5

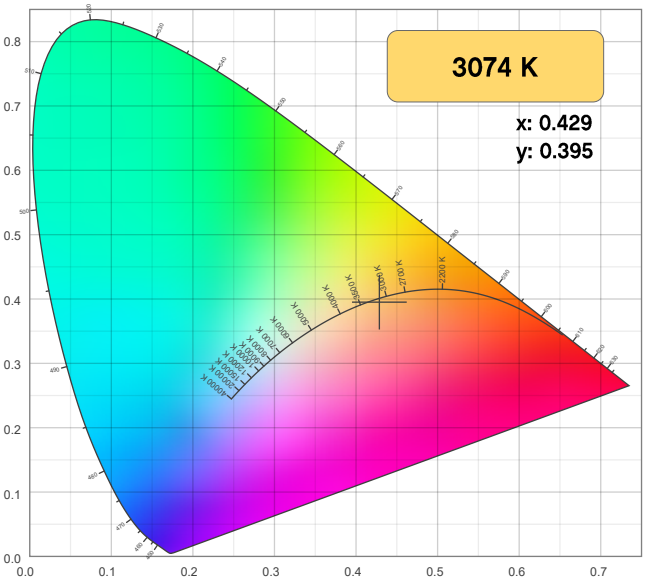
Notes:

Chromaticity Report

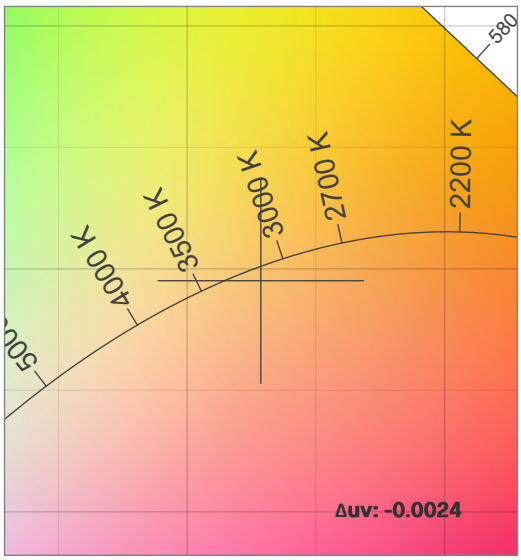
Well STX 360: Warm White Only

Chromaticity

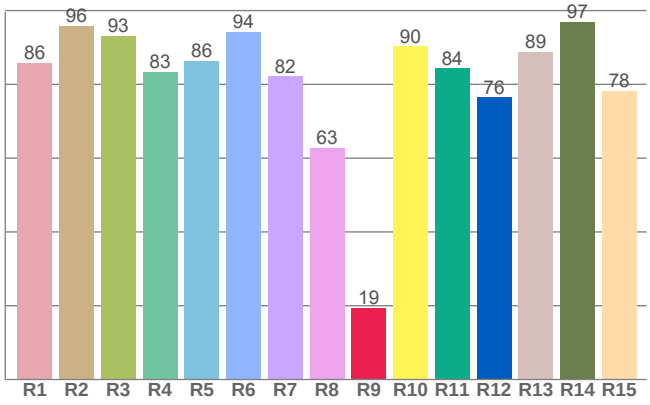
CIE 1931



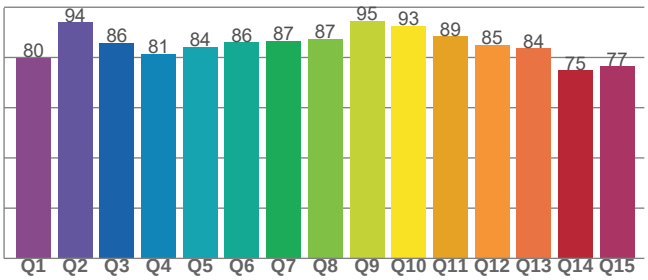
CIE 1931 - Zoom



CRI: 85.5 (R1-R8)



CQS: 84.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3074 K	0.429	0.395

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0024	0.395	0.249

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
85.5	19.3	84.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
75	84.4	95.3

Chromaticity Report

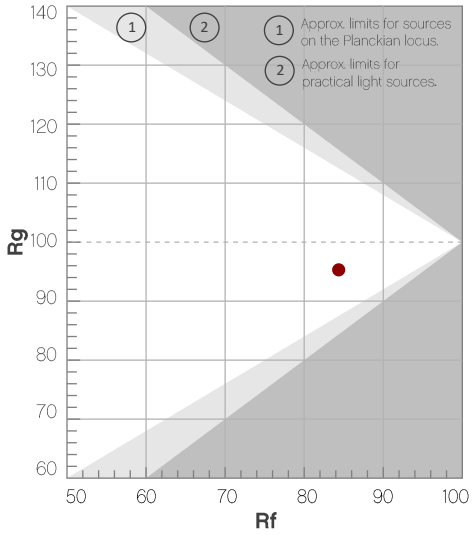
Well STX 360: Warm White Only

TM-30-18 Details

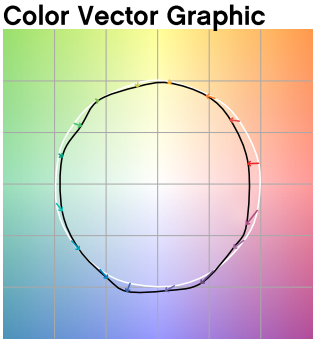
Rf 84.4
Fidelity Index (Rg)

Rg 95.3
Gamut Index (Rg)

Hue Bin	R_f	Chroma Shift	Hue Shift
1	79	-10%	2%
2	82	-7%	6%
3	82	-2%	8%
4	92	-2%	2%
5	91	-4%	1%
6	94	-1%	-2%
7	86	-7%	-2%
8	92	-4%	2%
9	86	-4%	8%
10	79	-1%	11%
11	82	3%	10%
12	85	8%	-1%
13	85	3%	-9%
14	78	3%	-16%
15	78	-4%	-11%
16	75	-8%	-15%

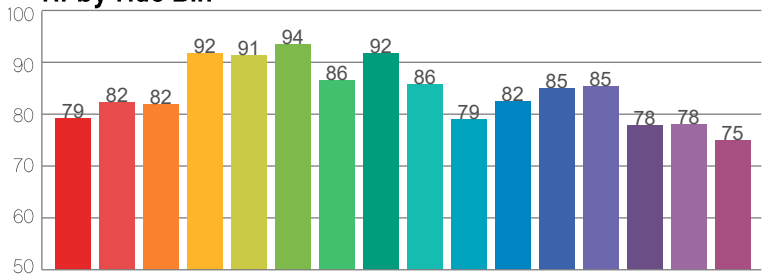


Color Vector Graphic

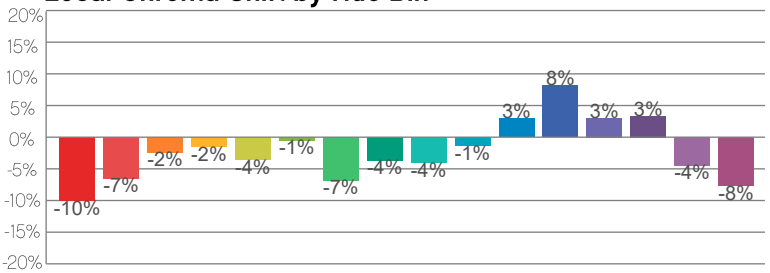


Color Distortion Graphic

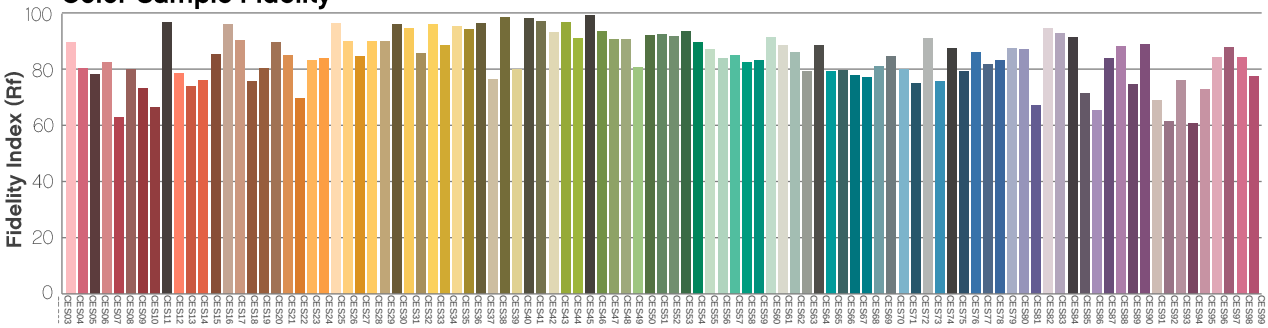
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360 : 3200K

Report Summary

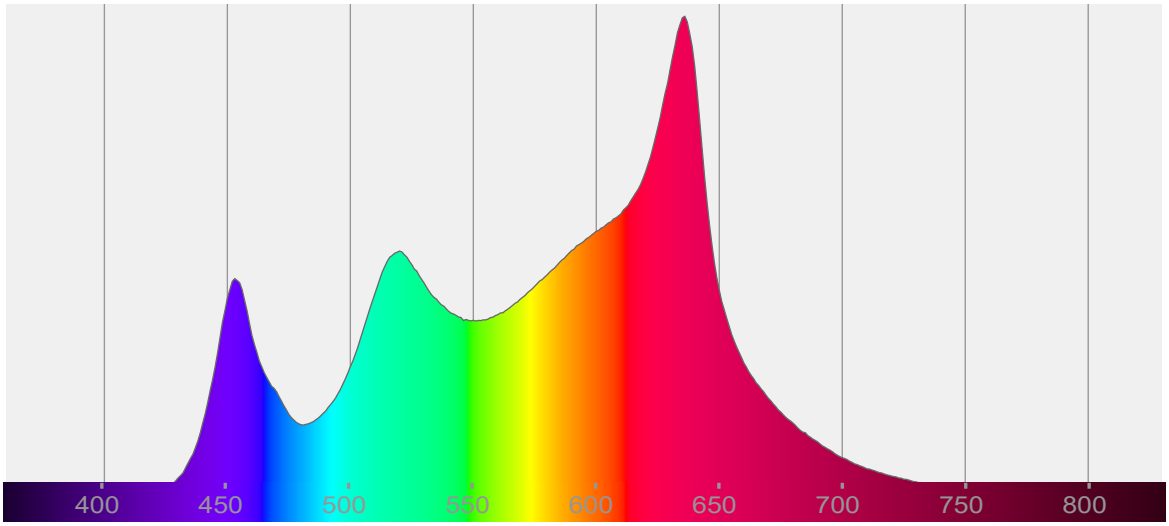
Measurements

Total Lumens: 1349 lm
Peak Intensity: 108 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 3225K
Δuv: -0.0023

CRI: 92.3 CRI R9 Value: 88.2
CQS: 93.9
TLCI: 87
TM-30-18 Rf: 91.4
TM-30-18 Rg: 104.4
1st Dominant Wavelength: 636 nM
2nd Dominant Wavelength: 520 nM

Spectral Distribution



Tested Color

3225 K
CIE 1931 Coordinates:
X: 0.419 Y: 0.392

Color Temperature

3225 K

Light Quality

CRI: 92.3

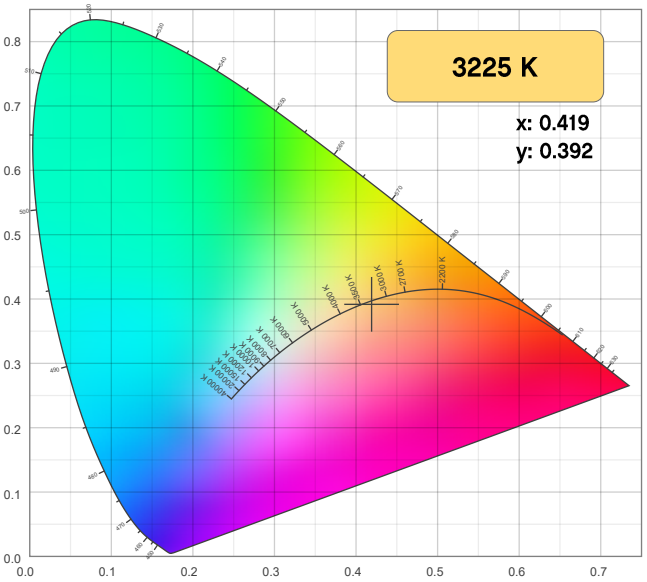
Notes:

Chromaticity Report

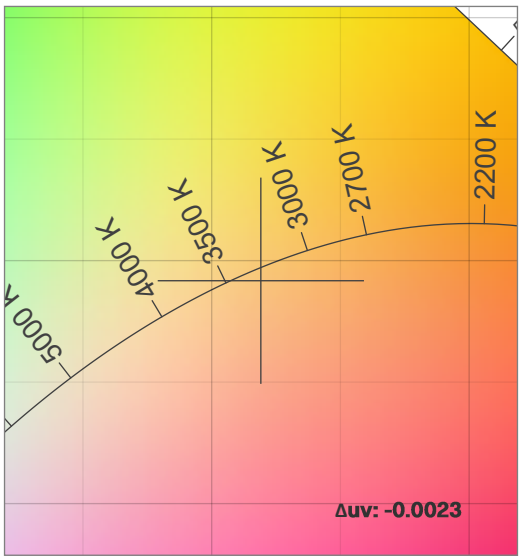
Well STX 360 : 3200K

Chromaticity

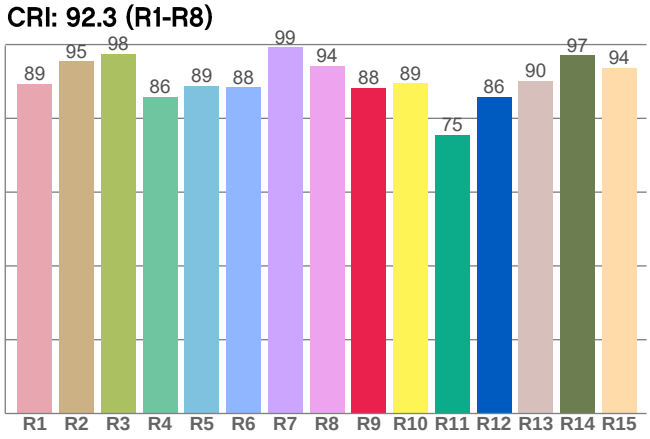
CIE 1931



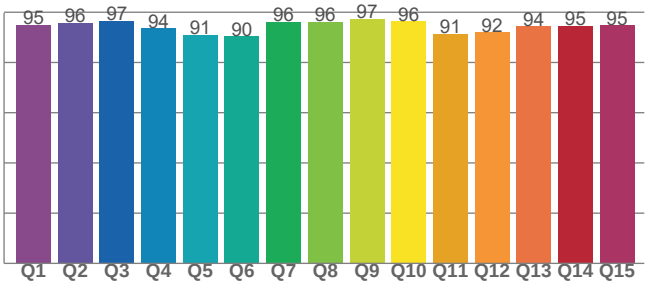
CIE 1931 - Zoom



CRI: 92.3 (R1-R8)



CQS: 93.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3225 K	0.419	0.392

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0023	0.392	0.244

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.3	88.2	93.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
87	91.4	104.4

Chromaticity Report

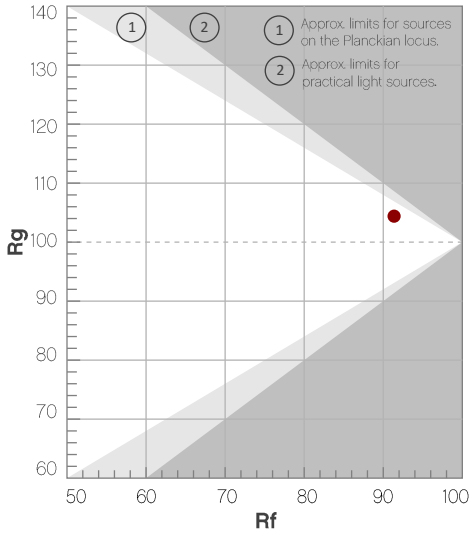
Well STX 360 : 3200K

TM-30-18 Details

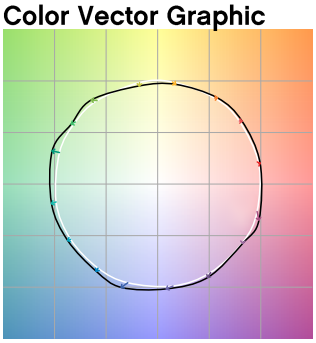
Rf 91.4
Fidelity Index (Rg)

Rg 104.4
Gamut Index (Rg)

Hue Bin	R_f	Chroma Shift	Hue Shift
1	94	1%	0%
2	94	2%	-2%
3	90	2%	-2%
4	93	-2%	-3%
5	92	-3%	1%
6	91	4%	4%
7	89	2%	4%
8	87	7%	0%
9	92	5%	1%
10	93	3%	-1%
11	93	3%	0%
12	87	6%	-5%
13	90	1%	-7%
14	91	2%	-5%
15	90	1%	-1%
16	88	3%	-8%

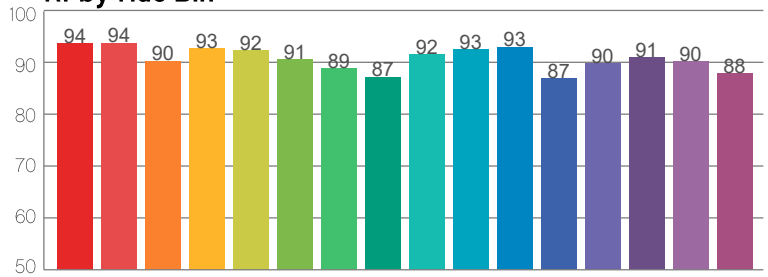


Color Vector Graphic

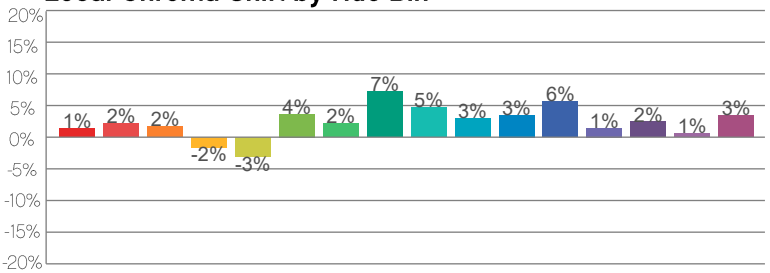


Color Distortion Graphic

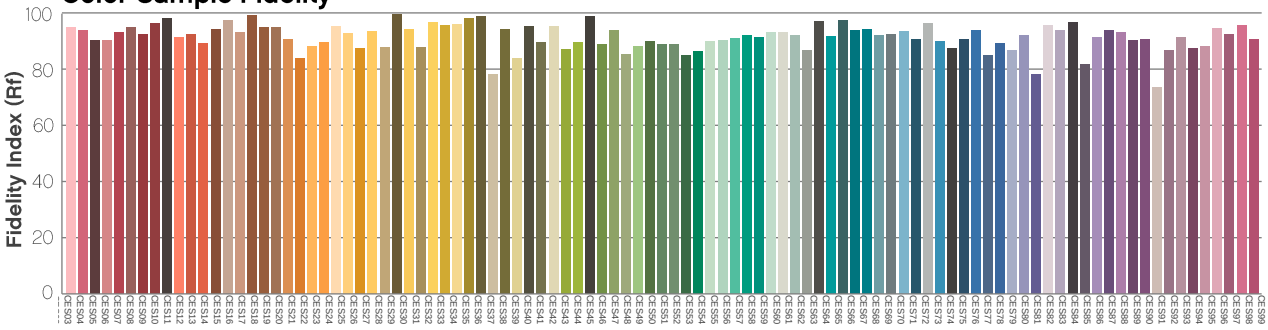
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: 4000K

Report Summary

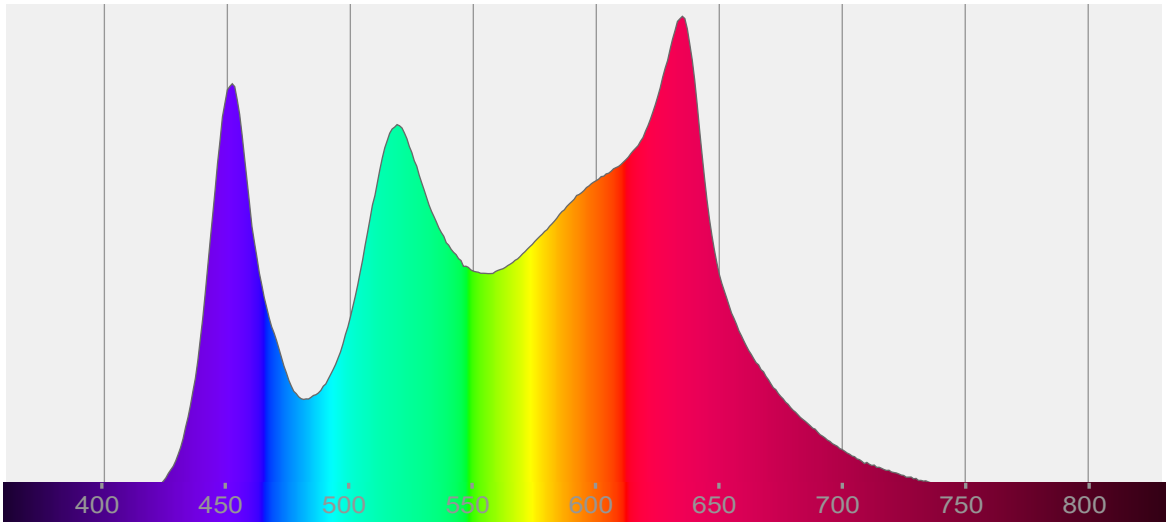
Measurements

Total Lumens: 1318 lm
Peak Intensity: 105 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 4030K
Δuv: -0.0033

CRI: 91.9 CRI R9 Value: 84.9
CQS: 94.8
TLCI: 84
TM-30-18 Rf: 91.2
TM-30-18 Rg: 105.8
1st Dominant Wavelength: 635 nM
2nd Dominant Wavelength: 452 nM

Spectral Distribution



Tested Color

4030 K
CIE 1931 Coordinates:
X: 0.377 Y: 0.368

Color Temperature

4030 K

Light Quality

CRI: 91.9

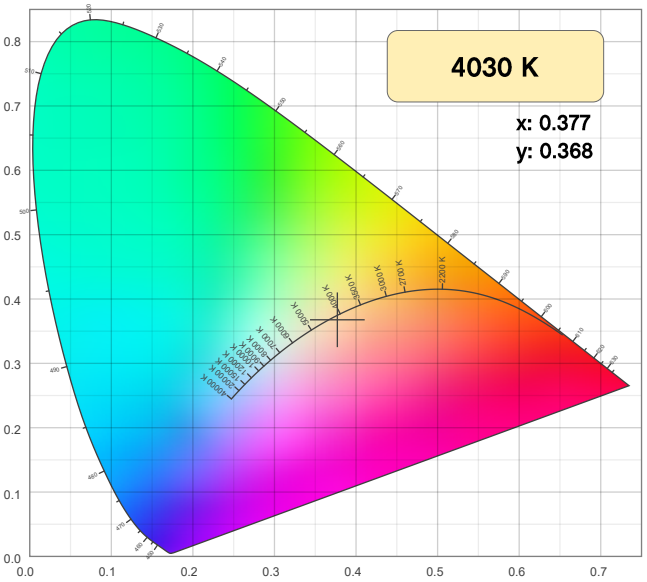
Notes:

Chromaticity Report

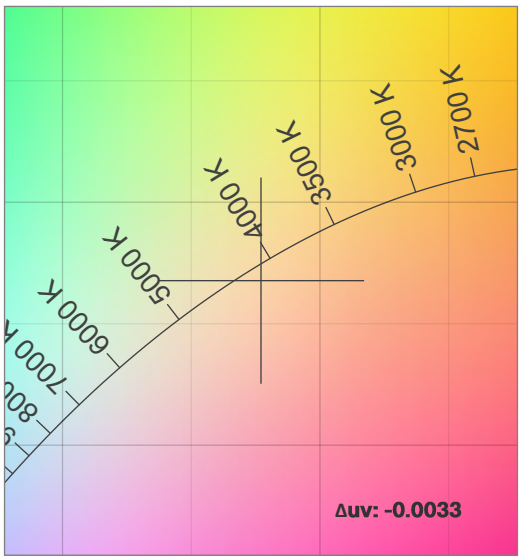
Well STX 360: 4000K

Chromaticity

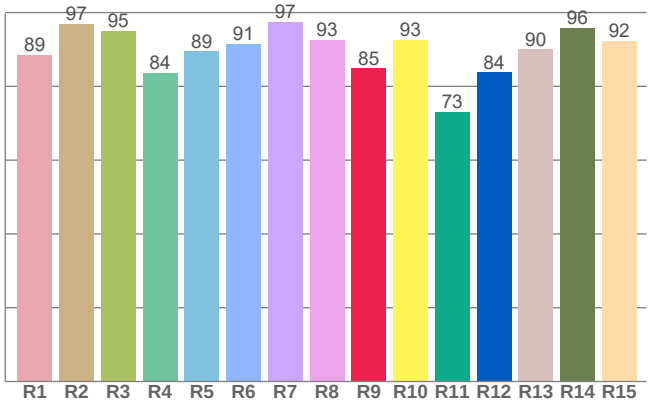
CIE 1931



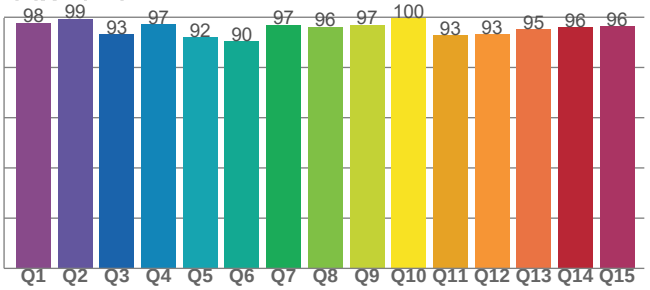
CIE 1931 - Zoom



CRI: 91.9 (R1-R8)



CQS: 94.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4030 K	0.377	0.368

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0033	0.368	0.227

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.9	84.9	94.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
84	91.2	105.8

Chromaticity Report

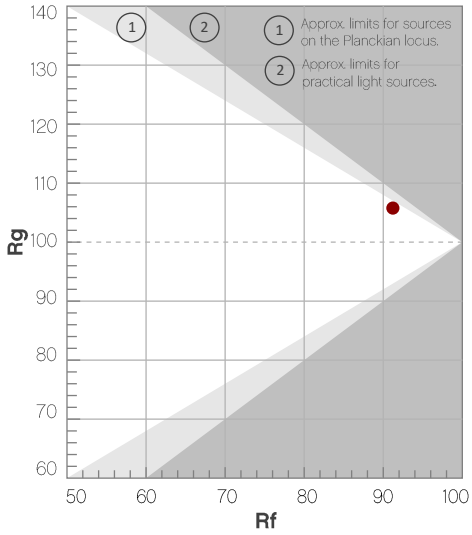
Well STX 360: 4000K

TM-30-18 Details

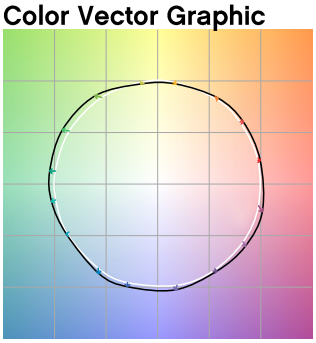
Rf 91.2
Fidelity Index (Rg)

Rg 105.8
Gamut Index (Rg)

Hue Bin	R_f	Chroma Shift	Hue Shift
1	93	2%	-1%
2	92	3%	-2%
3	92	2%	-1%
4	94	-1%	-2%
5	92	-2%	1%
6	89	5%	5%
7	87	6%	3%
8	87	5%	1%
9	91	4%	1%
10	96	1%	-1%
11	90	4%	3%
12	88	4%	1%
13	92	4%	-3%
14	93	2%	3%
15	89	4%	-2%
16	87	5%	-5%

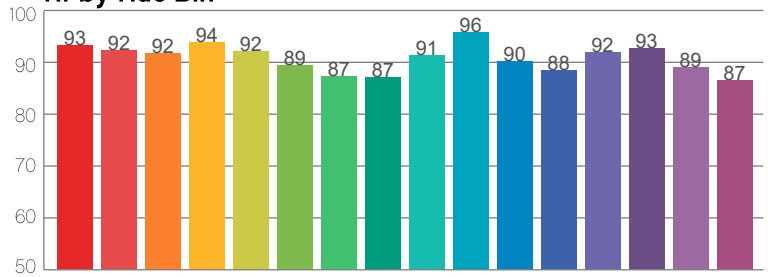


Color Vector Graphic

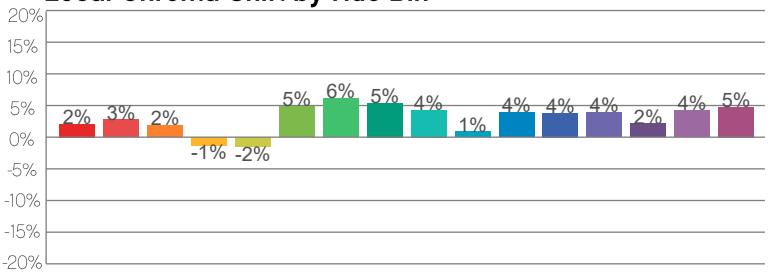


Color Distortion Graphic

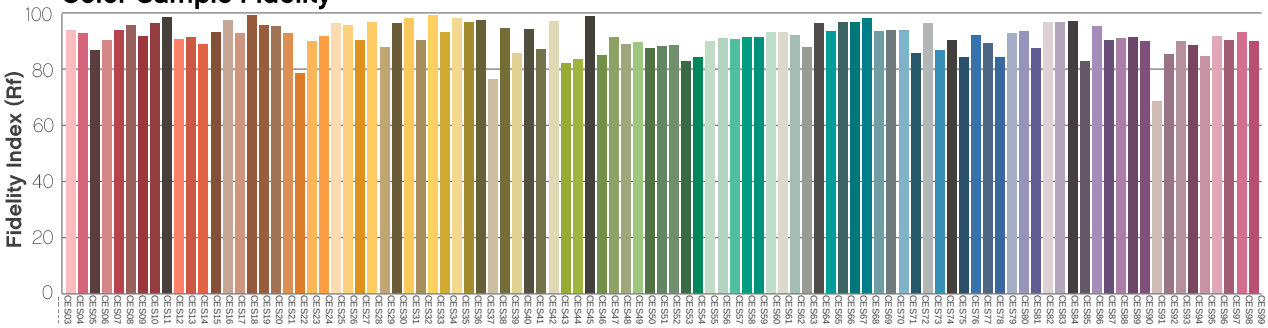
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Well STX 360: 5600K

Report Summary

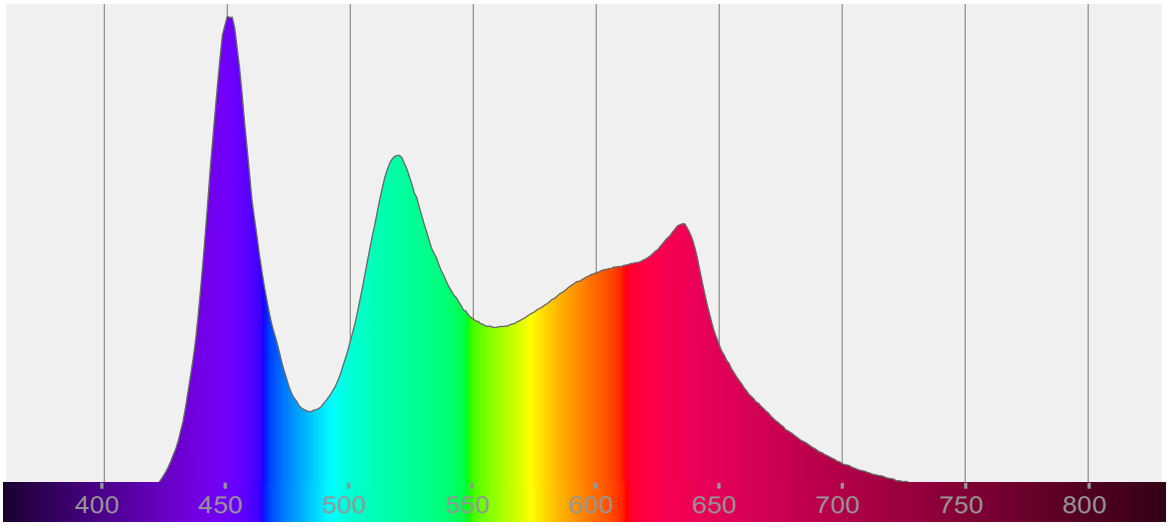
Measurements

Total Lumens: 1312 lm
Peak Intensity: 105 cd
Fixture Efficacy: ffi lm/W

Correlated Color Temperature: 5626K
Δuv: -0.0055

CRI: 90.7 CRI R9 Value: 80.4
CQS: 94.1
TLCI: 86
TM-30-18 Rf: 90.1
TM-30-18 Rg: 107.7
1st Dominant Wavelength: 450 nM
2nd Dominant Wavelength: 519 nM

Spectral Distribution



Tested Color

5626 K
CIE 1931 Coordinates:
X: 0.330 Y: 0.335

Color Temperature

5626 K

Light Quality

CRI: 90.7

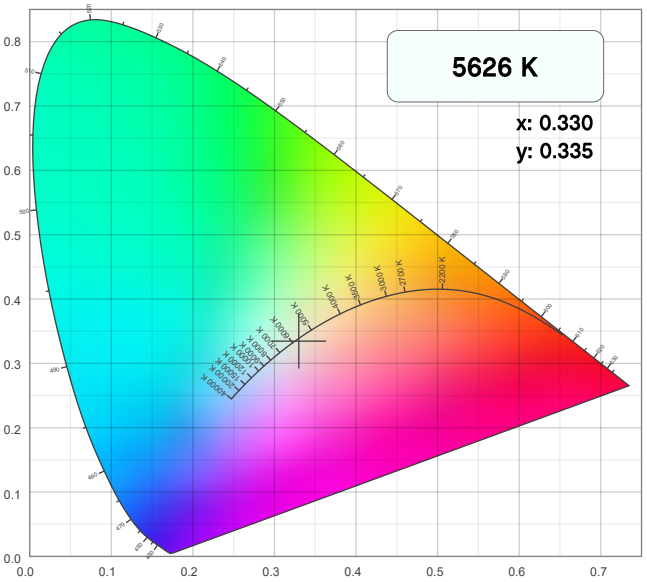
Notes:

Chromaticity Report

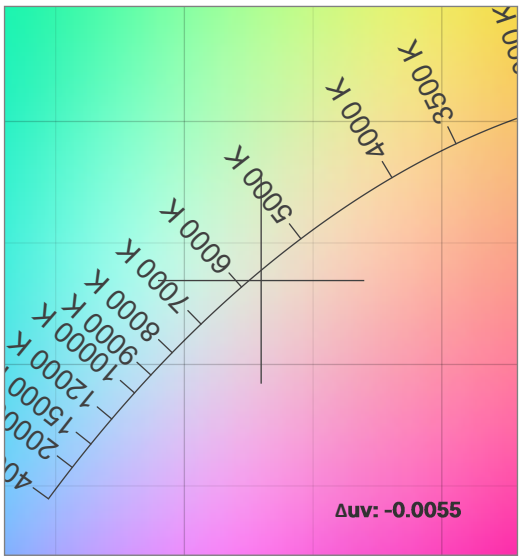
Well STX 360: 5600K

Chromaticity

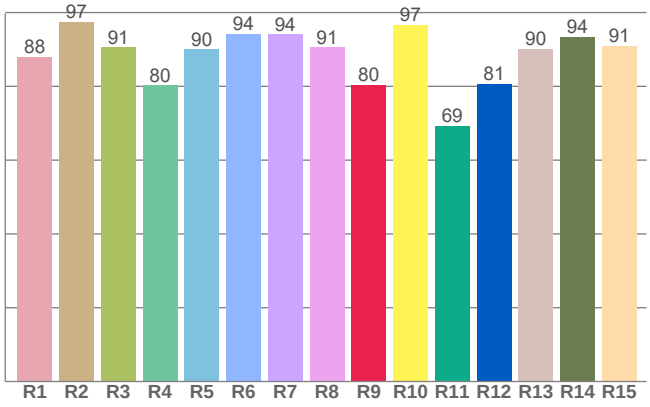
CIE 1931



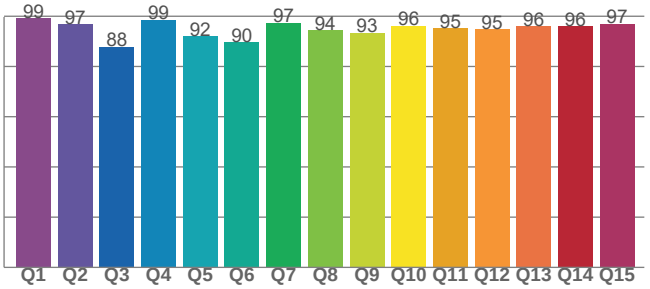
CIE 1931 - Zoom



CRI: 90.7 (R1-R8)



CQS: 94.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5626 K	0.330	0.335

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0055	0.335	0.208

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
90.7	80.4	94.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
86	90.1	107.7

Chromaticity Report

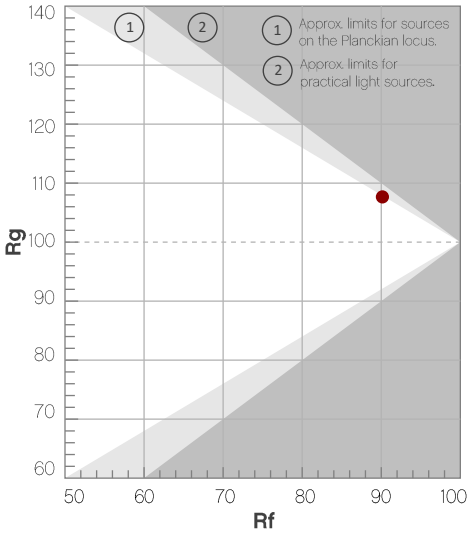
Well STX 360: 5600K

TM-30-18 Details

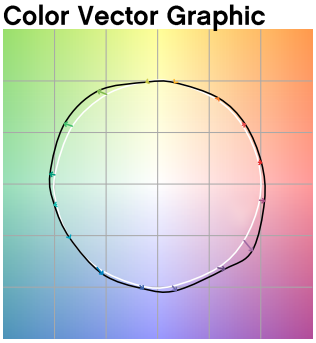
Rf 90.1
Fidelity Index (Rg)

Rg 107.7
Gamut Index (Rg)

Hue Bin	R_f	Chroma Shift	Hue Shift
1	92	3%	-1%
2	93	3%	-1%
3	93	2%	0%
4	95	0%	0%
5	90	0%	2%
6	87	7%	5%
7	86	8%	2%
8	89	5%	0%
9	93	2%	0%
10	96	0%	1%
11	85	2%	8%
12	93	2%	4%
13	93	5%	2%
14	87	5%	5%
15	83	12%	-4%
16	90	5%	0%

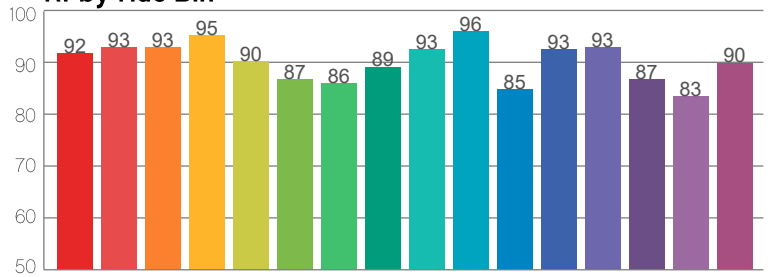


Color Vector Graphic

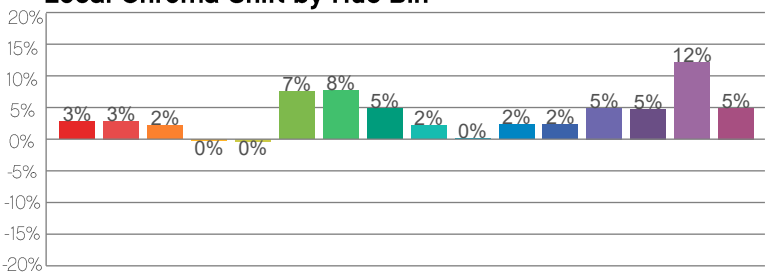


Color Distortion Graphic

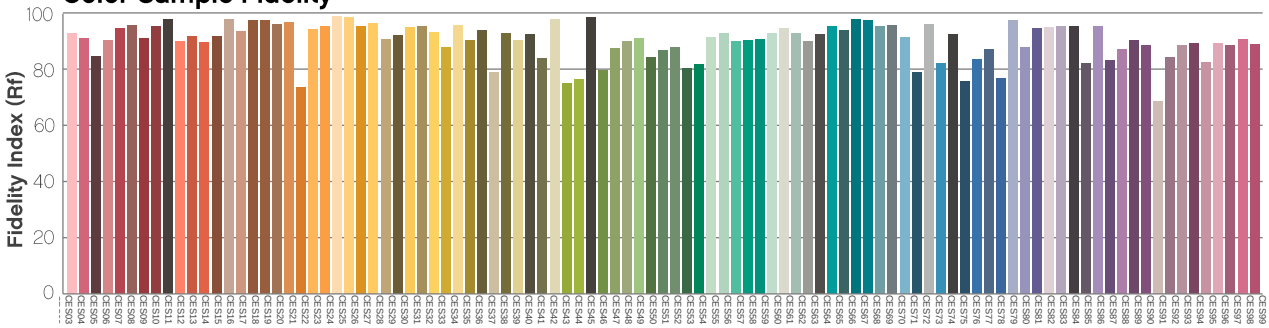
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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