PHOTOMETRICS REPORT

# MAVERICK

## STORM 1 WASH


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

**Maverick Storm 1 Wash:** Full Flood, Full Power

## Report Summary

### Output

Total Lumens: 6183 lm
Peak Intensity: 22991 cd
Illuminance @ 5m: 920 lux
Fixture Efficacy: 16 lm/W

### Optical

Horizontal Beam Angle (50%): 30.3°
Vertical Beam Angle (50%): 30.3°
Horizontal Field Angle (10%): 46.4°
Vertical Field Angle (10%): 46.4°
Horizontal Cutoff Angle (3%): 56.5°
Vertical Cutoff Angle (3%): 56.5°

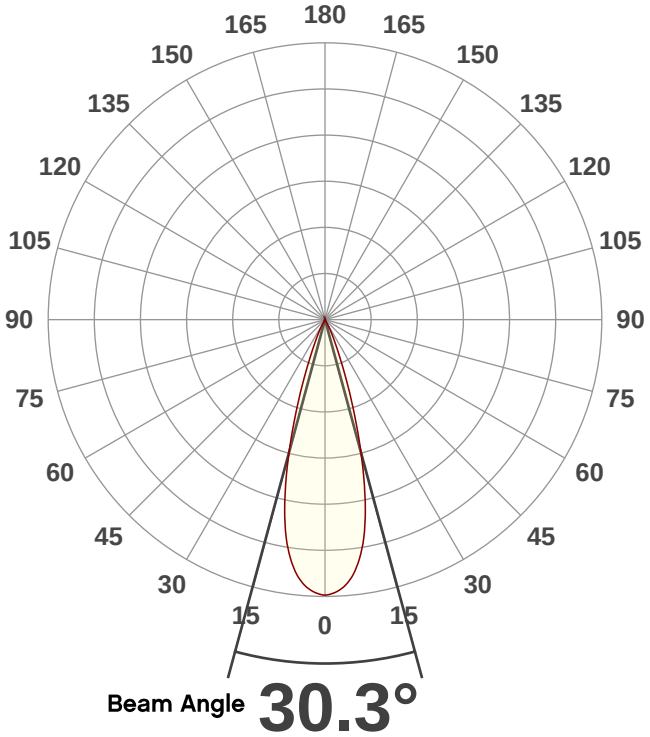
### Conditions

AC Supply: 116 V, 60 Hz
Power: 380.67 W
Current: 3.29 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/17/2019 to LM-63-2002 Standards.

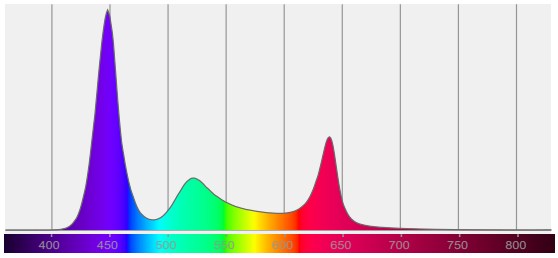
## Overall Measurement

**Angular Beam Distribution**

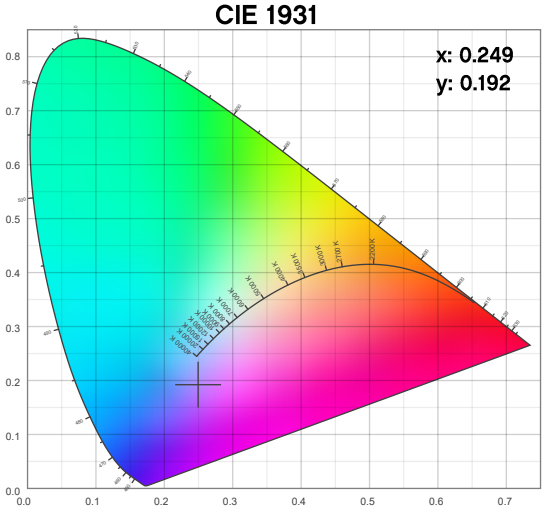



Beam Angle **30.3°**

**Spectral Distribution**



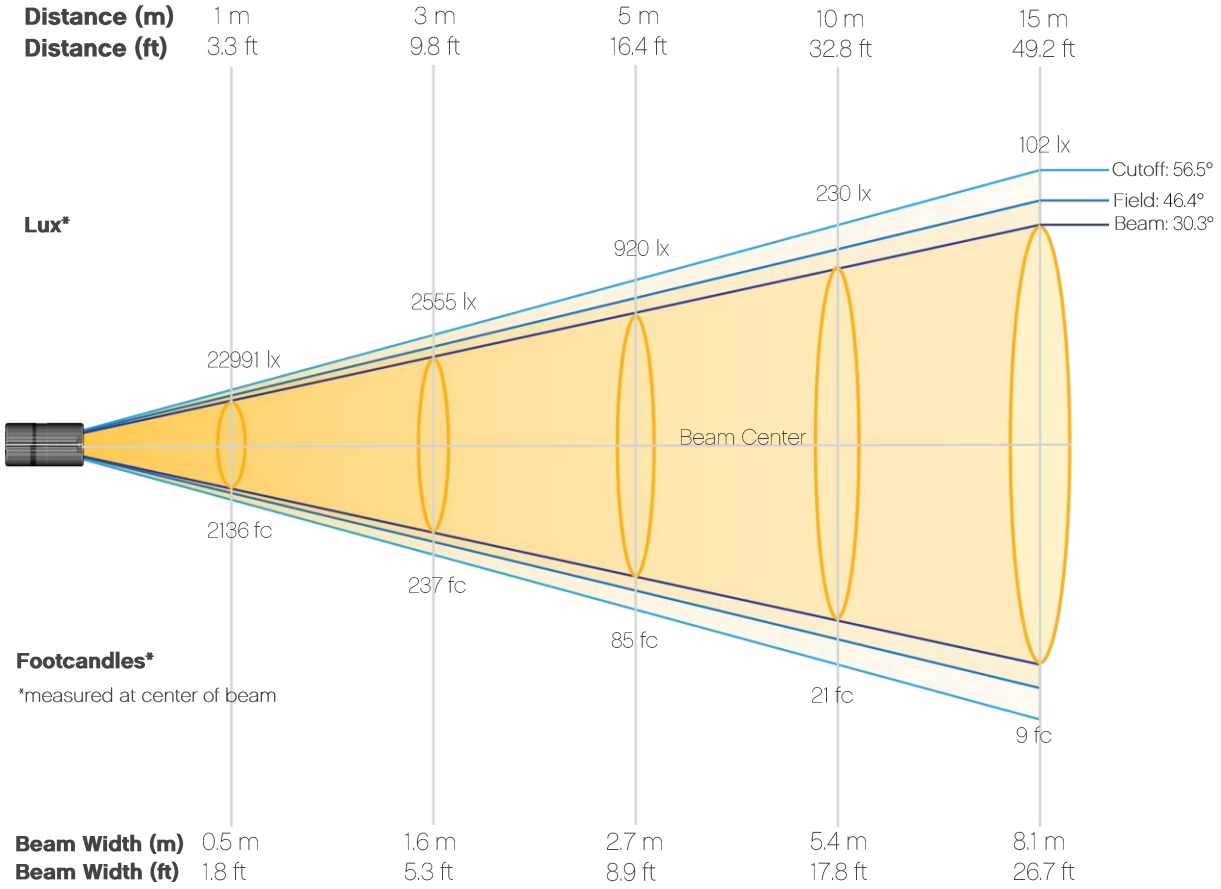

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, Full Power

## Beam Details

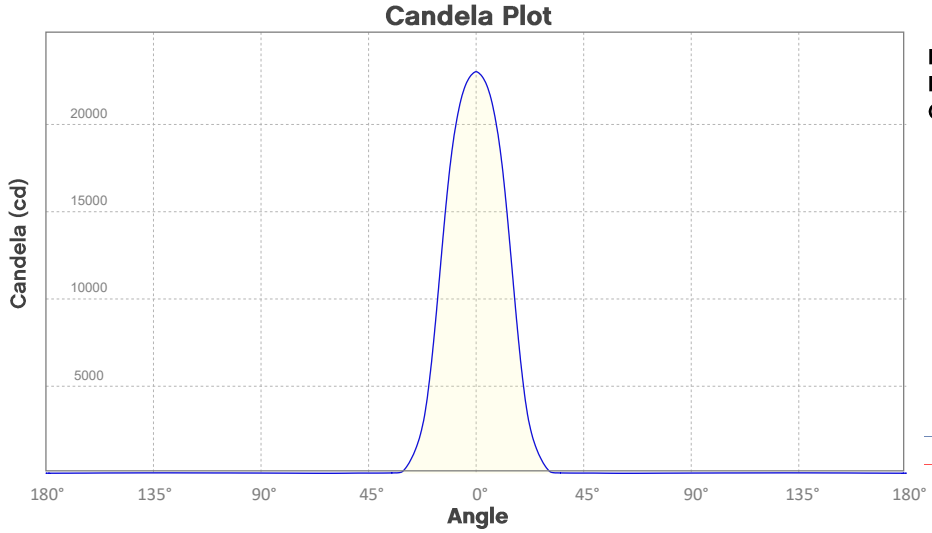



### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 22991 | 5748 | 2555 | 1437 | 920 | 639 | 469 | 359 | 284 | 230 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 190 | 160 | 136 | 117 | 102 | 90 | 80 | 71 | 64 | 57 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 2136 | 534 | 237 | 133 | 85 | 59 | 44 | 33 | 26 | 21 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 18 | 15 | 13 | 11 | 9 | 8 | 7 | 7 | 6 | 5 |

# Photometric Report

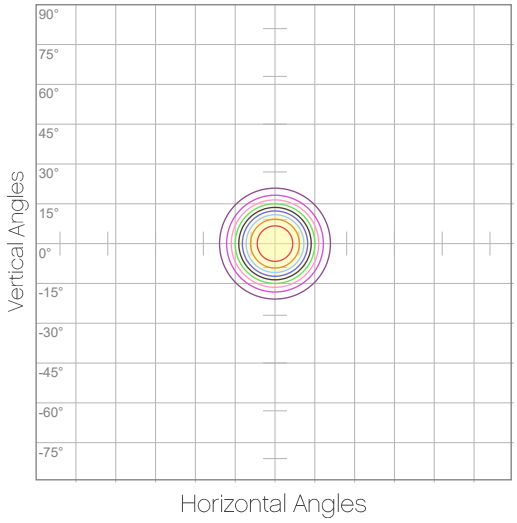
**Maverick Storm 1 Wash:** Full Flood, Full Power




**Beam Angle (50%): 30.3°**
**Field Angle (10%): 46.4°**
**Cutoff Angle (3%): 56.5°**

**Horizontal Distribution**
**Vertical Distribution**

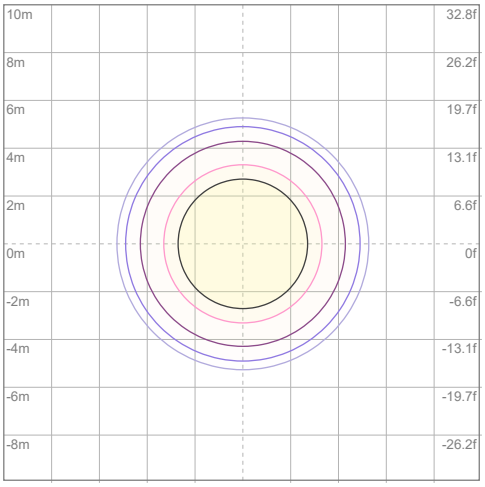
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 2299 cd |
| 20% | 4598 cd |
| 30% | 6897 cd |
| 40% | 9196 cd |
| 50% | 11495 cd |
| 60% | 13794 cd |
| 70% | 16093 cd |
| 80% | 18393 cd |
| 90% | 20692 cd |

Conditions:
Number of c-planes: 2
Candela at center: 22991 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 6.90 lx |
| 5% | 11.5 lx |
| 10% | 23.0 lx |
| 30% | 69.0 lx |
| 50% | 115 lx |

Conditions:
Number of c-planes: 2
Lux at center: 230 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, Red Only

## Report Summary

### Output

Total Lumens: 942 lm
Peak Intensity: 3603 cd
Illuminance @ 5m: 144 lux
Fixture Efficacy: 7 lm/W

### Optical

Horizontal Beam Angle (50%): 29.7°
Vertical Beam Angle (50%): 29.7°
Horizontal Field Angle (10%): 45.6°
Vertical Field Angle (10%): 45.6°
Horizontal Cutoff Angle (3%): 56°
Vertical Cutoff Angle (3%): 56°

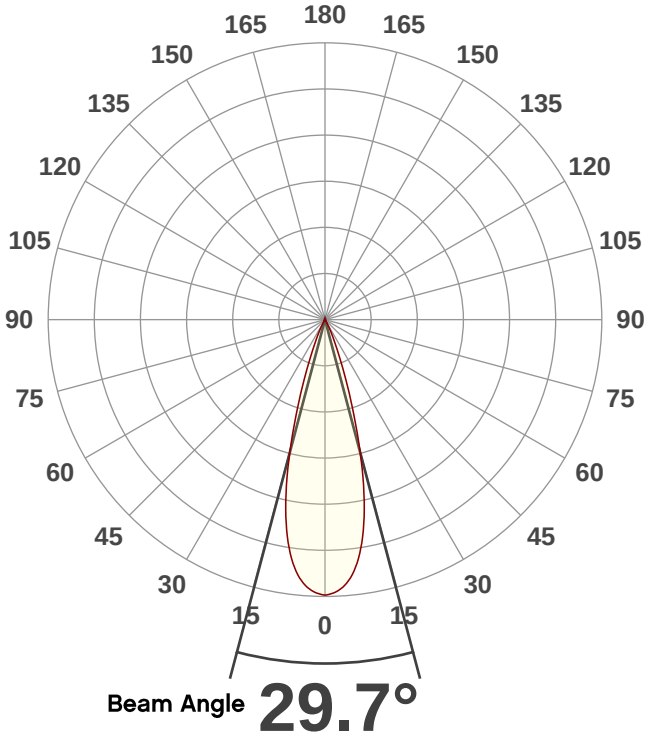
### Conditions

AC Supply: 117 V, 60 Hz
Power: 133.76 W
Current: 1.15 A
Power Factor: 0.98

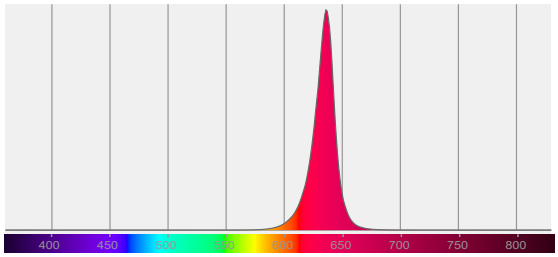
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

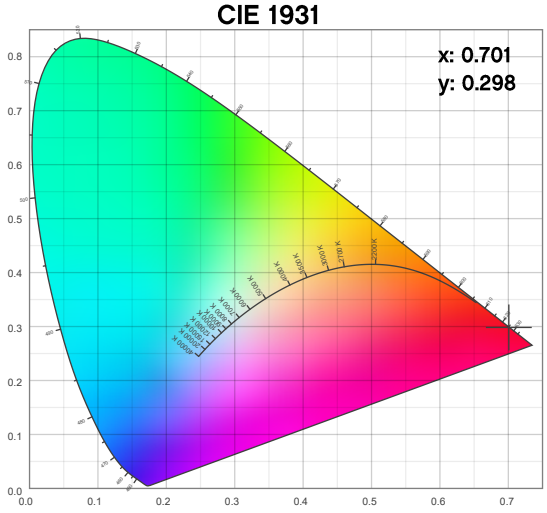
**Angular Beam Distribution**




**Spectral Distribution**



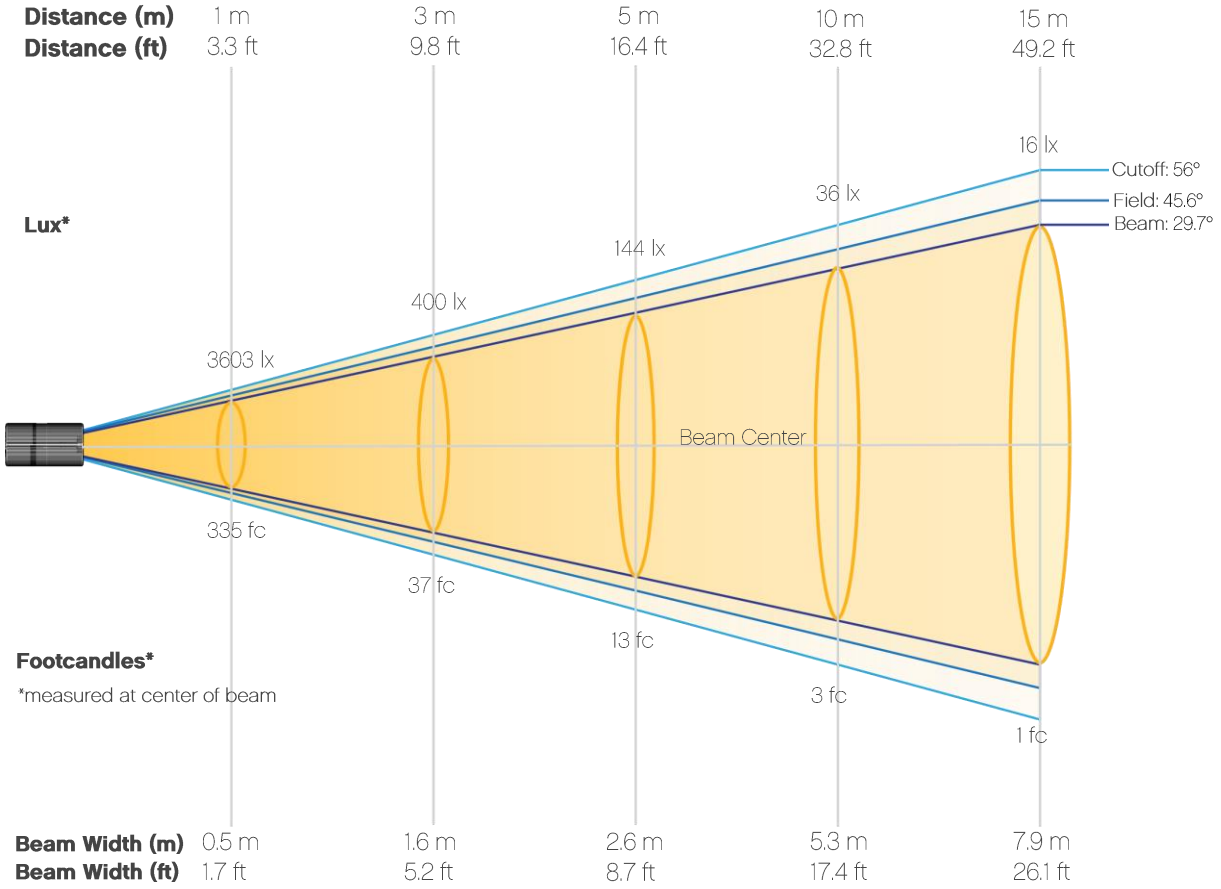

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, Red Only

## Beam Details



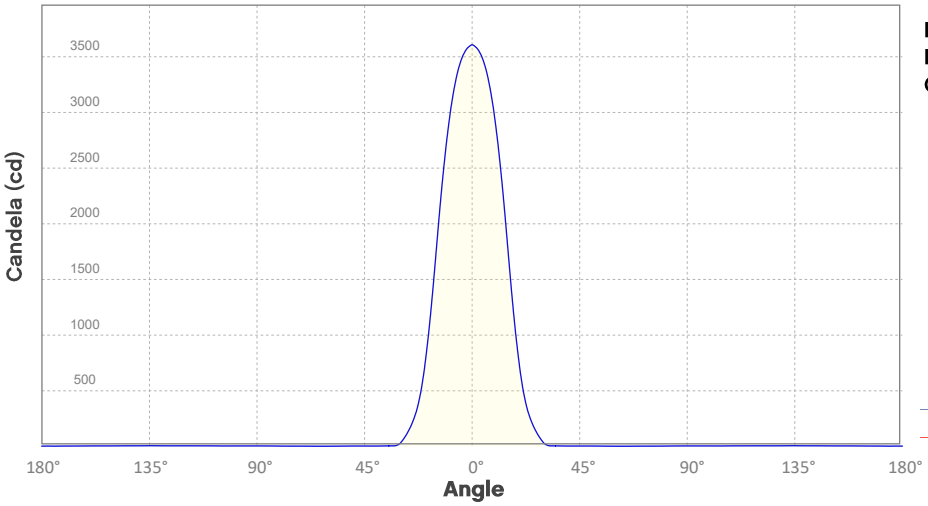

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 3603 | 901 | 400 | 225 | 144 | 100 | 74 | 56 | 44 | 36 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 30 | 25 | 21 | 18 | 16 | 14 | 12 | 11 | 10 | 9 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 335 | 84 | 37 | 21 | 13 | 9 | 7 | 5 | 4 | 3 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, Red Only

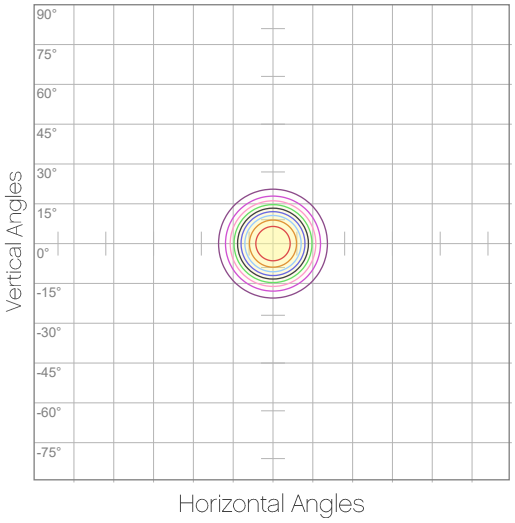
**Candela Plot**




**Beam Angle (50%): 29.7°**
**Field Angle (10%): 45.6°**
**Cutoff Angle (3%): 56°**

**Horizontal Distribution**
**Vertical Distribution**

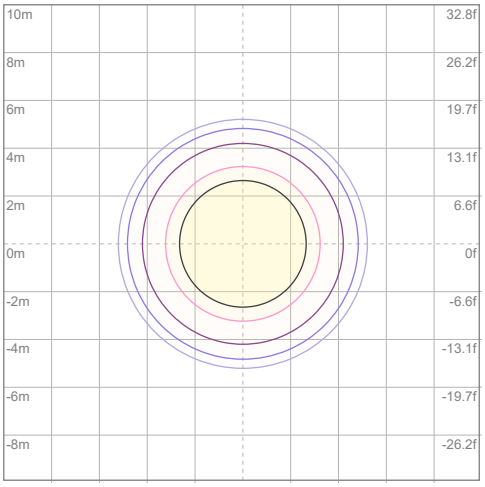
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 360 cd |
| 20% | 721 cd |
| 30% | 1081 cd |
| 40% | 1441 cd |
| 50% | 1802 cd |
| 60% | 2162 cd |
| 70% | 2522 cd |
| 80% | 2883 cd |
| 90% | 3243 cd |

Conditions:
Number of c-planes: 2
Candela at center: 3603 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 1.08 lx |
| 5% | 1.80 lx |
| 10% | 3.60 lx |
| 30% | 10.8 lx |
| 50% | 18.0 lx |

Conditions:
Number of c-planes: 2
Lux at center: 36.0 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, Green Only

## Report Summary

### Output

Total Lumens: 2008 lm
Peak Intensity: 7812 cd
Illuminance @ 5m: 312 lux
Fixture Efficacy: 12 lm/W

### Optical

Horizontal Beam Angle (50%): 29.3°
Vertical Beam Angle (50%): 29.3°
Horizontal Field Angle (10%): 45.8°
Vertical Field Angle (10%): 45.8°
Horizontal Cutoff Angle (3%): 56°
Vertical Cutoff Angle (3%): 56°

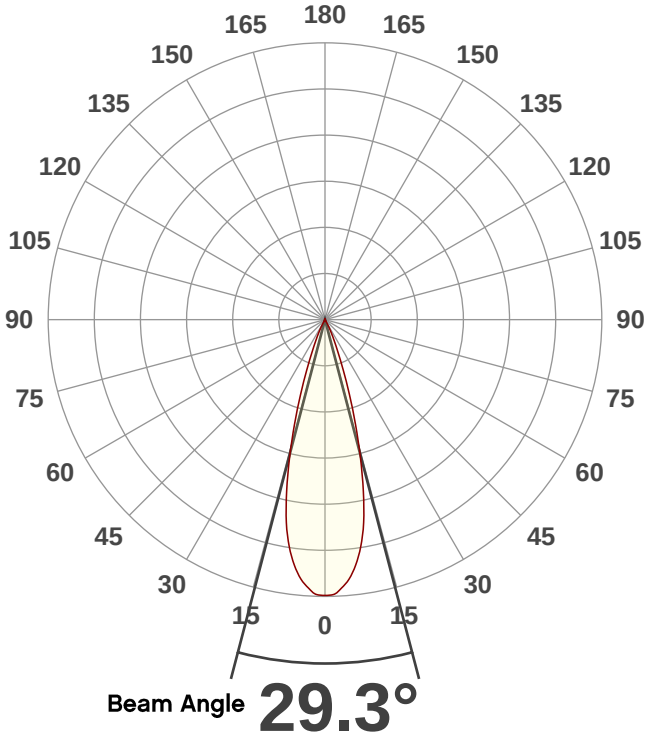
### Conditions

AC Supply: 117 V, 60 Hz
Power: 175.68 W
Current: 1.51 A
Power Factor: 0.98

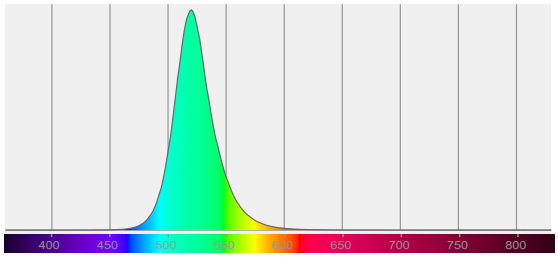
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

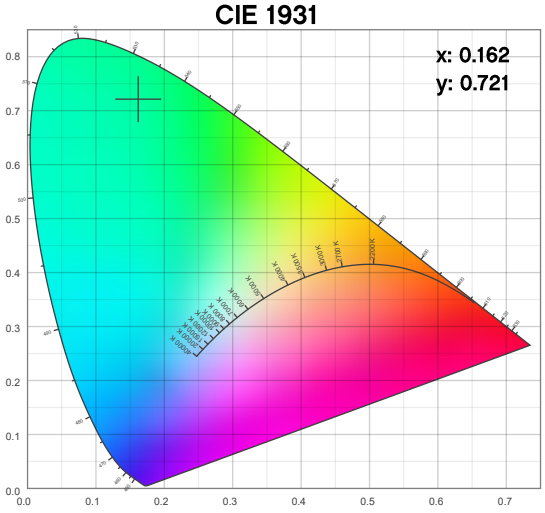
**Angular Beam Distribution**




**Spectral Distribution**



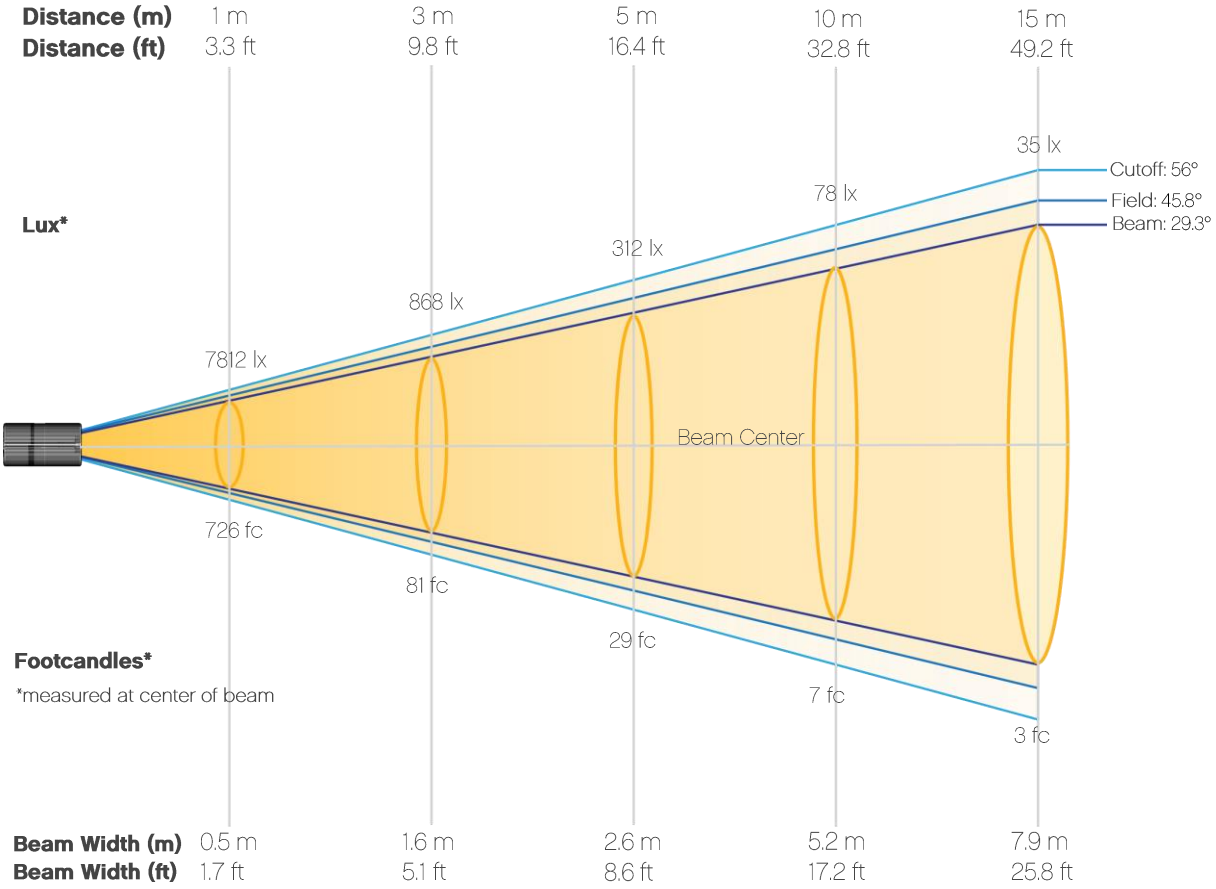

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, 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 | 7812 | 1953 | 868 | 488 | 312 | 217 | 159 | 122 | 96 | 78 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 65 | 54 | 46 | 40 | 35 | 31 | 27 | 24 | 22 | 20 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 726 | 181 | 81 | 45 | 29 | 20 | 15 | 11 | 9 | 7 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 6 | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 |

# Photometric Report

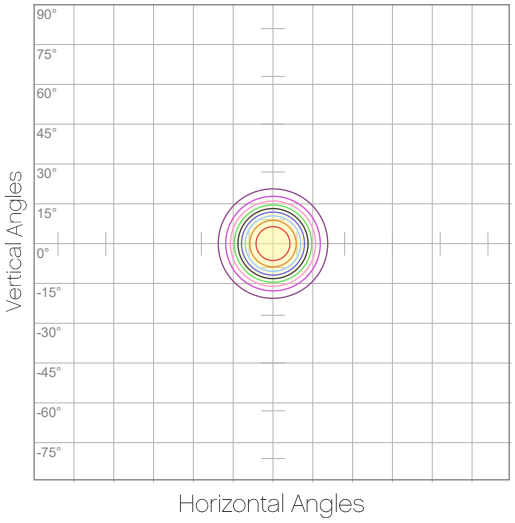
**Maverick Storm 1 Wash:** Full Flood, Green Only

**Candela Plot**


**Beam Angle (50%): 29.3°**
**Field Angle (10%): 45.8°**
**Cutoff Angle (3%): 56°**

**Horizontal Distribution**
**Vertical Distribution**

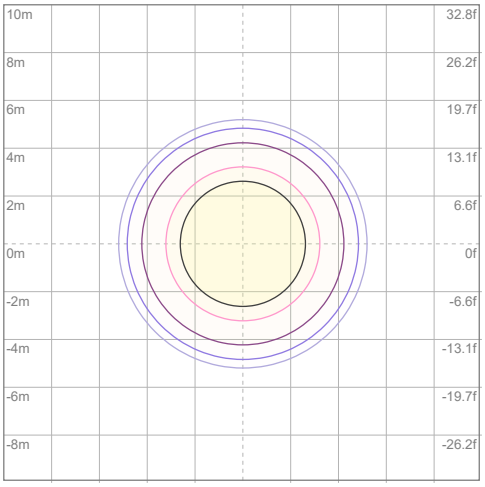
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 781 cd |
| 20% | 1562 cd |
| 30% | 2344 cd |
| 40% | 3125 cd |
| 50% | 3906 cd |
| 60% | 4687 cd |
| 70% | 5469 cd |
| 80% | 6250 cd |
| 90% | 7031 cd |

Conditions:
Number of c-planes: 2
Candela at center: 7812 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 2.34 lx |
| 5% | 3.91 lx |
| 10% | 7.81 lx |
| 30% | 23.4 lx |
| 50% | 39.1 lx |

Conditions:
Number of c-planes: 2
Lux at center: 78.1 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, Blue Only

## Report Summary

### Output

Total Lumens: 532 lm
Peak Intensity: 2001 cd
Illuminance @ 5m: 80 lux
Fixture Efficacy: 3 lm/W

### Optical

Horizontal Beam Angle (50%): 29.5°
Vertical Beam Angle (50%): 29.5°
Horizontal Field Angle (10%): 46.1°
Vertical Field Angle (10%): 46.1°
Horizontal Cutoff Angle (3%): 56°
Vertical Cutoff Angle (3%): 56°

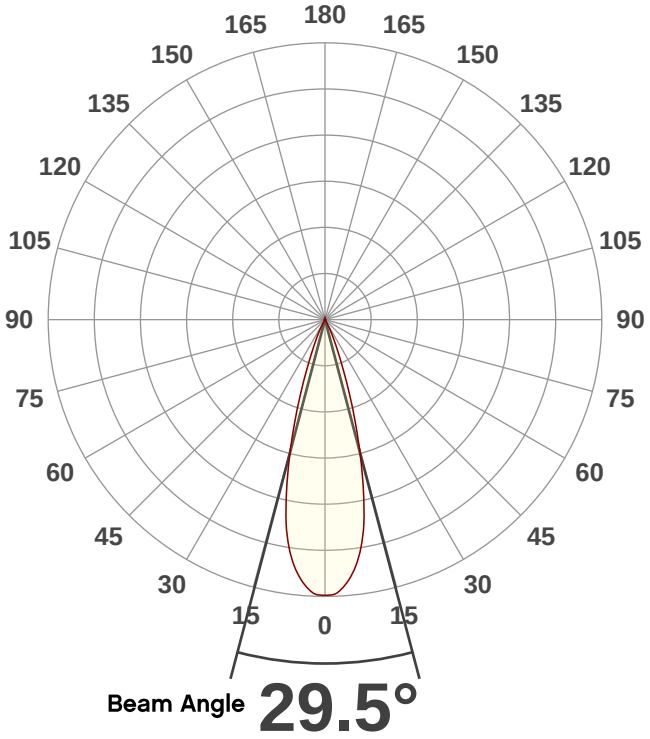
### Conditions

AC Supply: 117 V, 60.1 Hz
Power: 159.79 W
Current: 1.36 A
Power Factor: 0.98

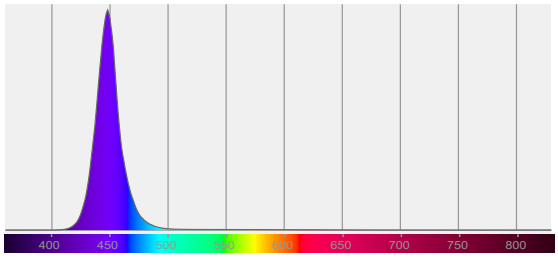
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

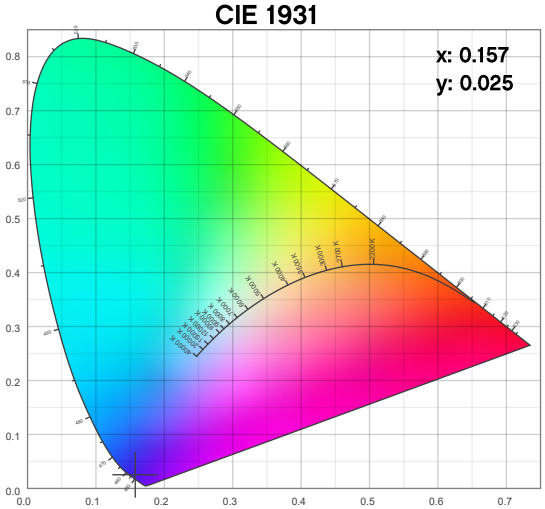
**Angular Beam Distribution**




**Spectral Distribution**



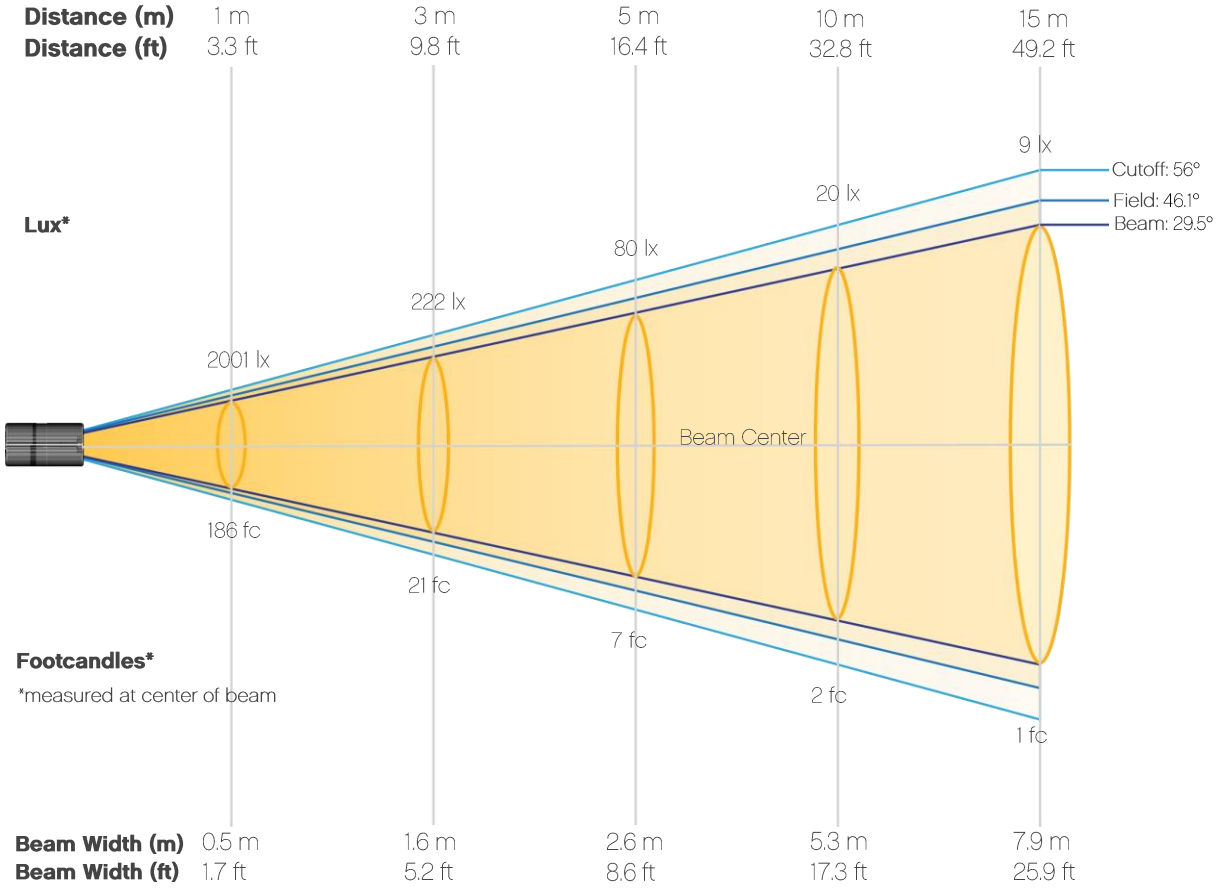

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, Blue Only

## Beam Details



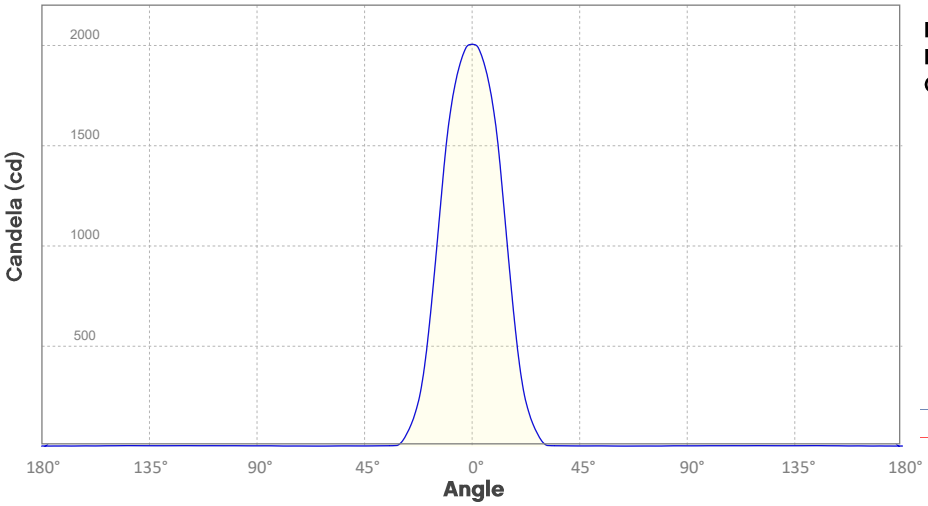

### Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 2001 | 500 | 222 | 125 | 80 | 56 | 41 | 31 | 25 | 20 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 17 | 14 | 12 | 10 | 9 | 8 | 7 | 6 | 6 | 5 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 186 | 46 | 21 | 12 | 7 | 5 | 4 | 3 | 2 | 2 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, Blue Only

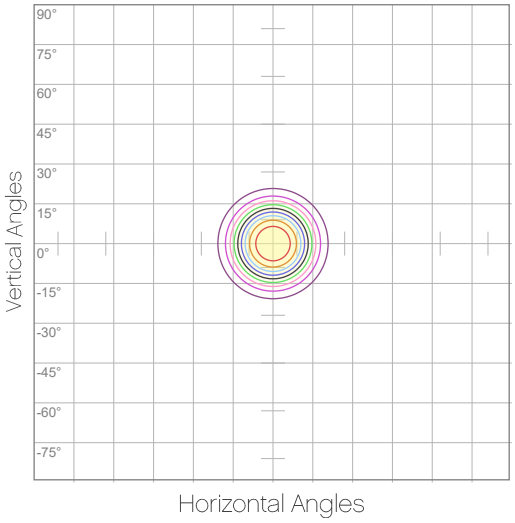
**Candela Plot**




**Beam Angle (50%): 29.5°**
**Field Angle (10%): 46.1°**
**Cutoff Angle (3%): 56°**

**Horizontal Distribution**
**Vertical Distribution**

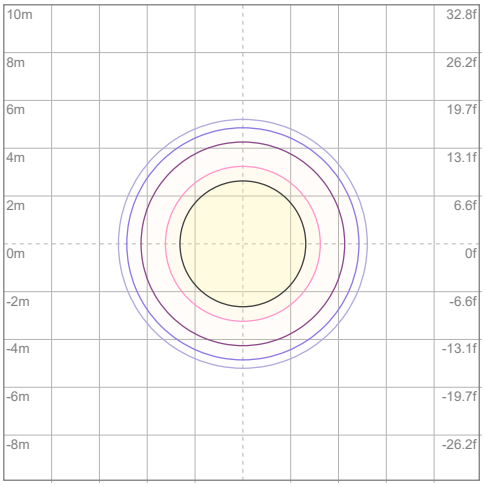
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 200 cd |
| 20% | 400 cd |
| 30% | 600 cd |
| 40% | 800 cd |
| 50% | 1001 cd |
| 60% | 1201 cd |
| 70% | 1401 cd |
| 80% | 1601 cd |
| 90% | 1801 cd |

Conditions:
Number of c-planes: 2
Candela at center: 2001 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 0.600 lx |
| 5% | 1.00 lx |
| 10% | 2.00 lx |
| 30% | 6.00 lx |
| 50% | 10.0 lx |

Conditions:
Number of c-planes: 2
Lux at center: 20.0 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, White Only

## Report Summary

### Output

Total Lumens: 2928 lm
Peak Intensity: 10399 cd
Illuminance @ 5m: 416 lux
Fixture Efficacy: 19 lm/W

### Optical

Horizontal Beam Angle (50%): 31.3°
Vertical Beam Angle (50%): 31.3°
Horizontal Field Angle (10%): 47.1°
Vertical Field Angle (10%): 47.1°
Horizontal Cutoff Angle (3%): 56.7°
Vertical Cutoff Angle (3%): 56.7°

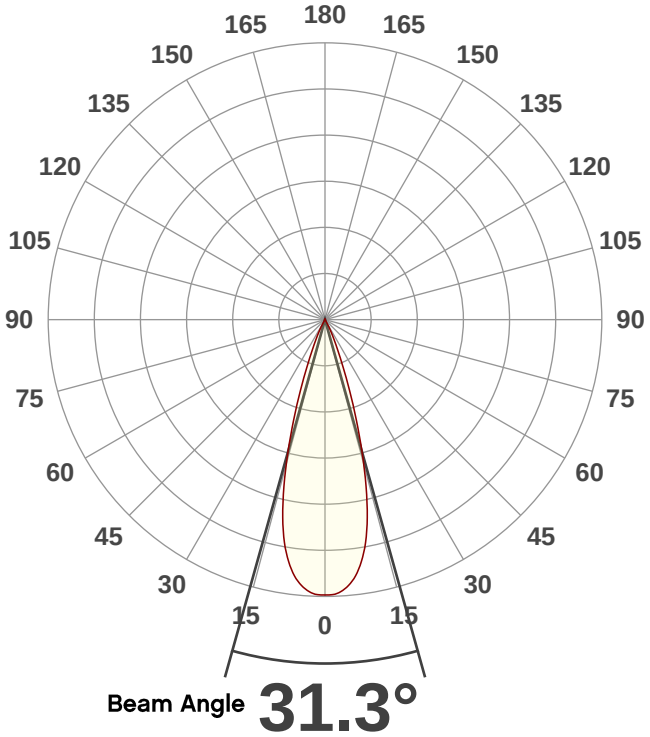
### Conditions

AC Supply: 117 V, 60 Hz
Power: 159.79 W
Current: 1.36 A
Power Factor: 0.98

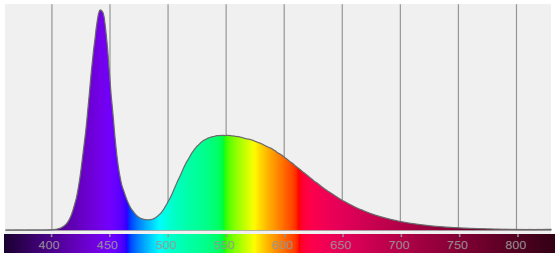
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

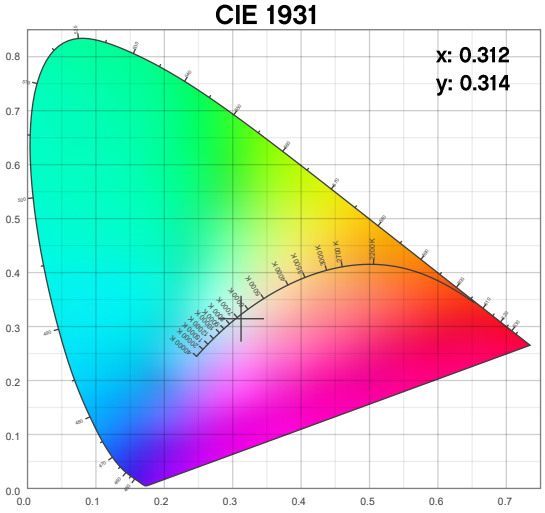
**Angular Beam Distribution**




**Spectral Distribution**



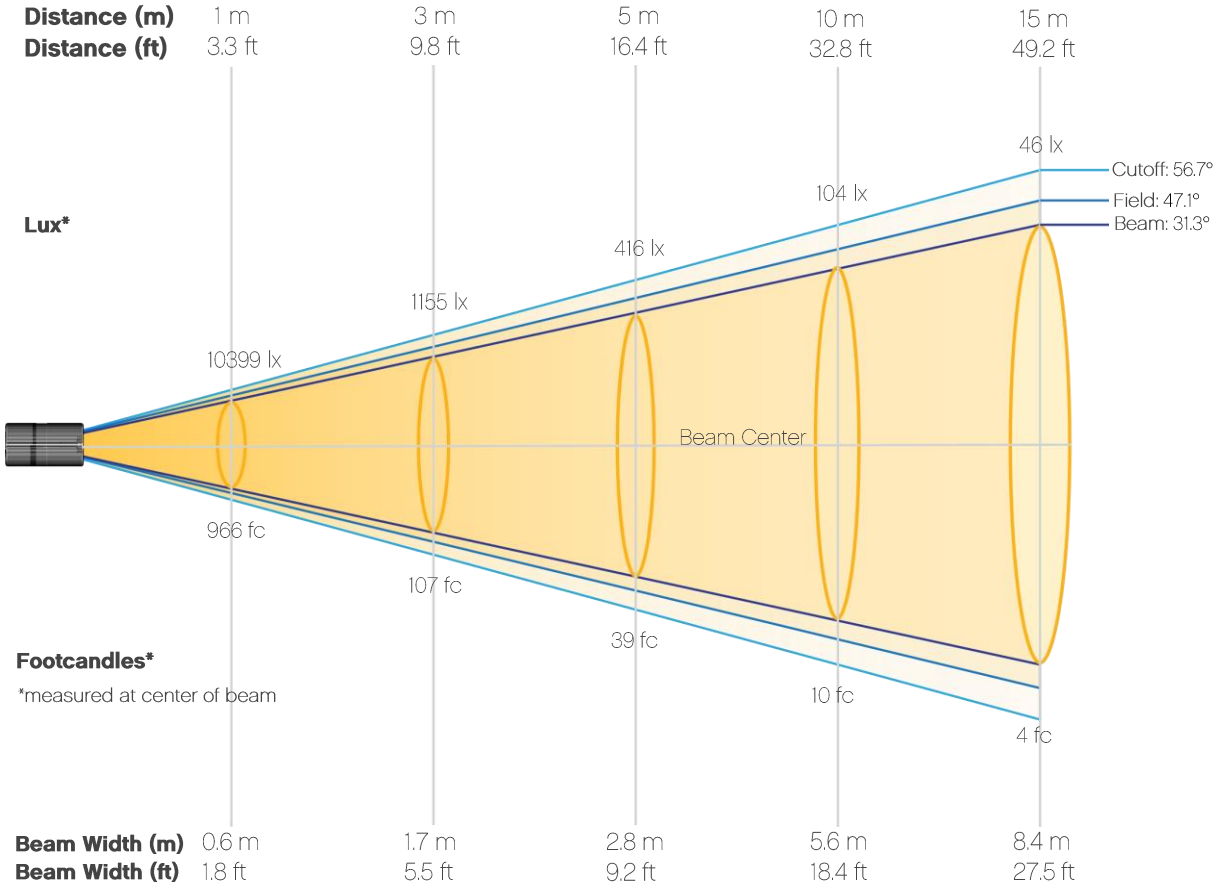

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, White Only

## Beam Details



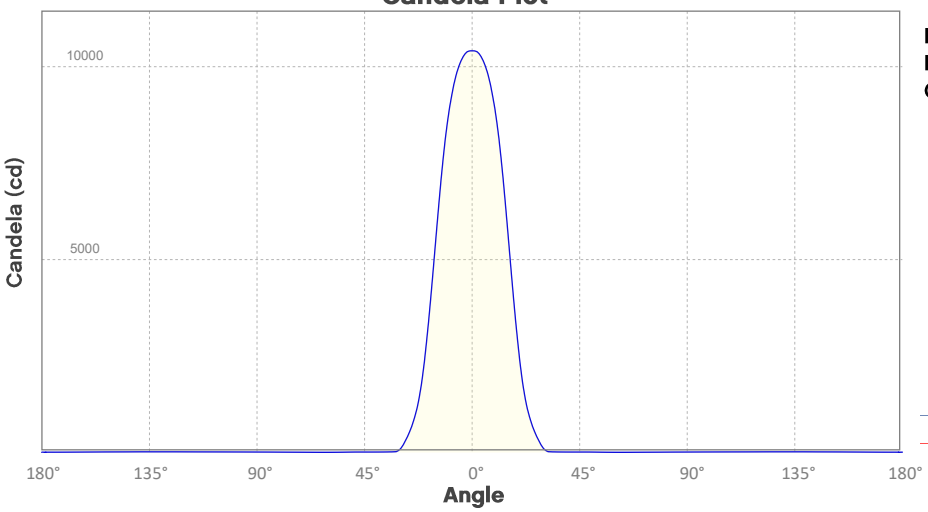

### Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 10399 | 2600 | 1155 | 650 | 416 | 289 | 212 | 162 | 128 | 104 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 86 | 72 | 62 | 53 | 46 | 41 | 36 | 32 | 29 | 26 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 966 | 242 | 107 | 60 | 39 | 27 | 20 | 15 | 12 | 10 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 8 | 7 | 6 | 5 | 4 | 4 | 3 | 3 | 3 | 2 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, White Only

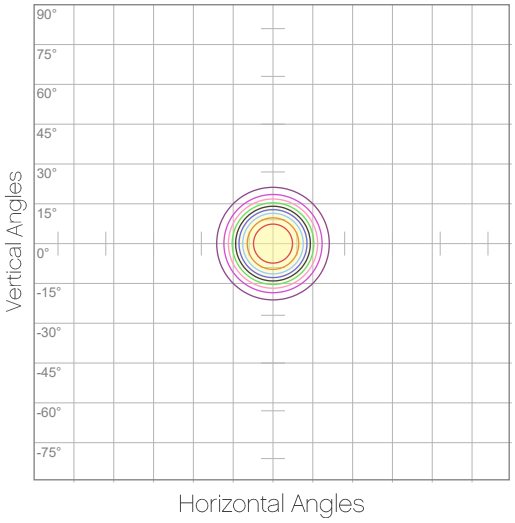
**Candela Plot**




**Beam Angle (50%): 31.3°**
**Field Angle (10%): 47.1°**
**Cutoff Angle (3%): 56.7°**

**Horizontal Distribution**
**Vertical Distribution**

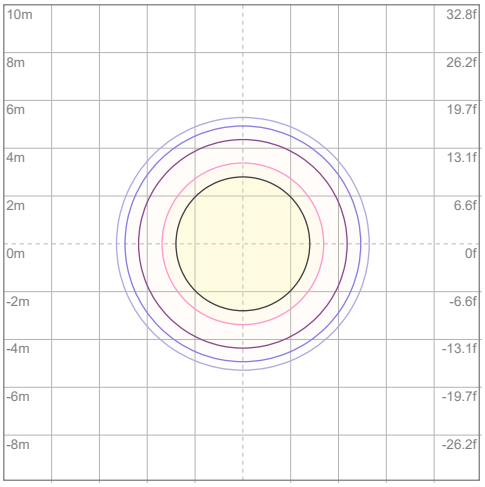
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 1040 cd |
| 20% | 2080 cd |
| 30% | 3120 cd |
| 40% | 4160 cd |
| 50% | 5200 cd |
| 60% | 6240 cd |
| 70% | 7280 cd |
| 80% | 8320 cd |
| 90% | 9360 cd |

Conditions:
Number of c-planes: 2
Candela at center: 10399 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 3.12 lx |
| 5% | 5.20 lx |
| 10% | 10.4 lx |
| 30% | 31.2 lx |
| 50% | 52.0 lx |

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

**Maverick Storm 1 Wash:** Full Flood, 7500K

## Report Summary

### Output

Total Lumens: 5661 lm
Peak Intensity: 21133 cd
Illuminance @ 5m: 845 lux
Fixture Efficacy: 18 lm/W

### Optical

Horizontal Beam Angle (50%): 30.3°
Vertical Beam Angle (50%): 30.3°
Horizontal Field Angle (10%): 46.3°
Vertical Field Angle (10%): 46.3°
Horizontal Cutoff Angle (3%): 56.3°
Vertical Cutoff Angle (3%): 56.3°

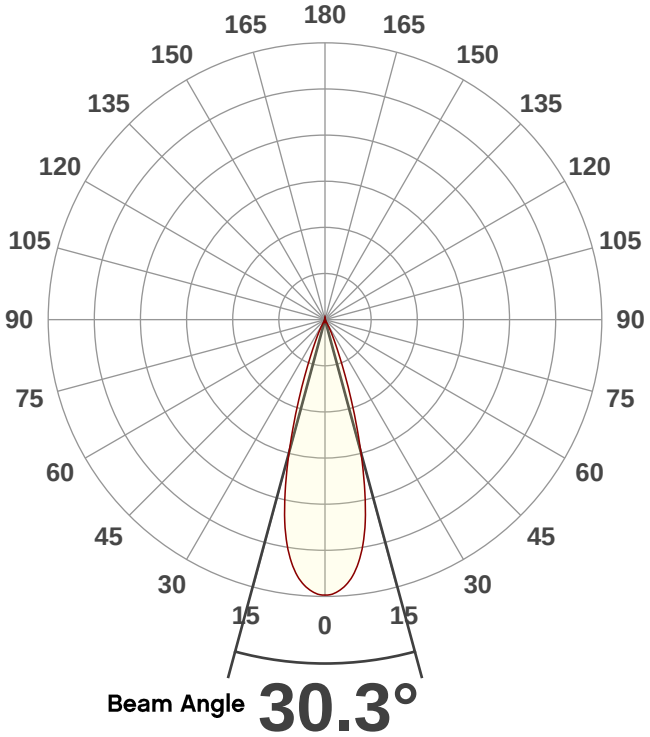
### Conditions

AC Supply: 116 V, 60.1 Hz
Power: 316.42 W
Current: 2.72 A
Power Factor: 0.99

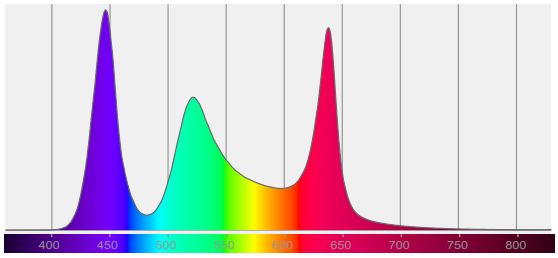
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

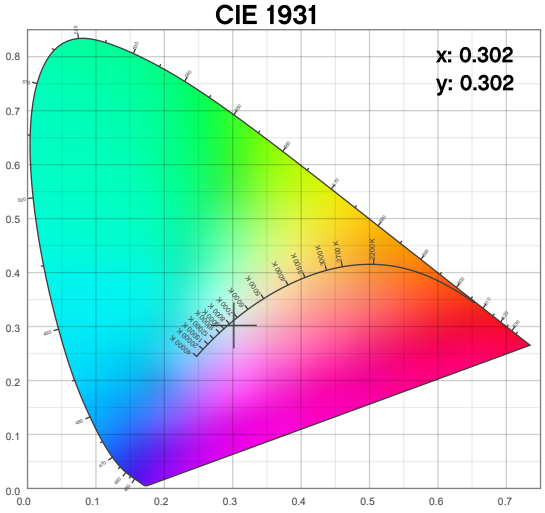
**Angular Beam Distribution**




**Spectral Distribution**



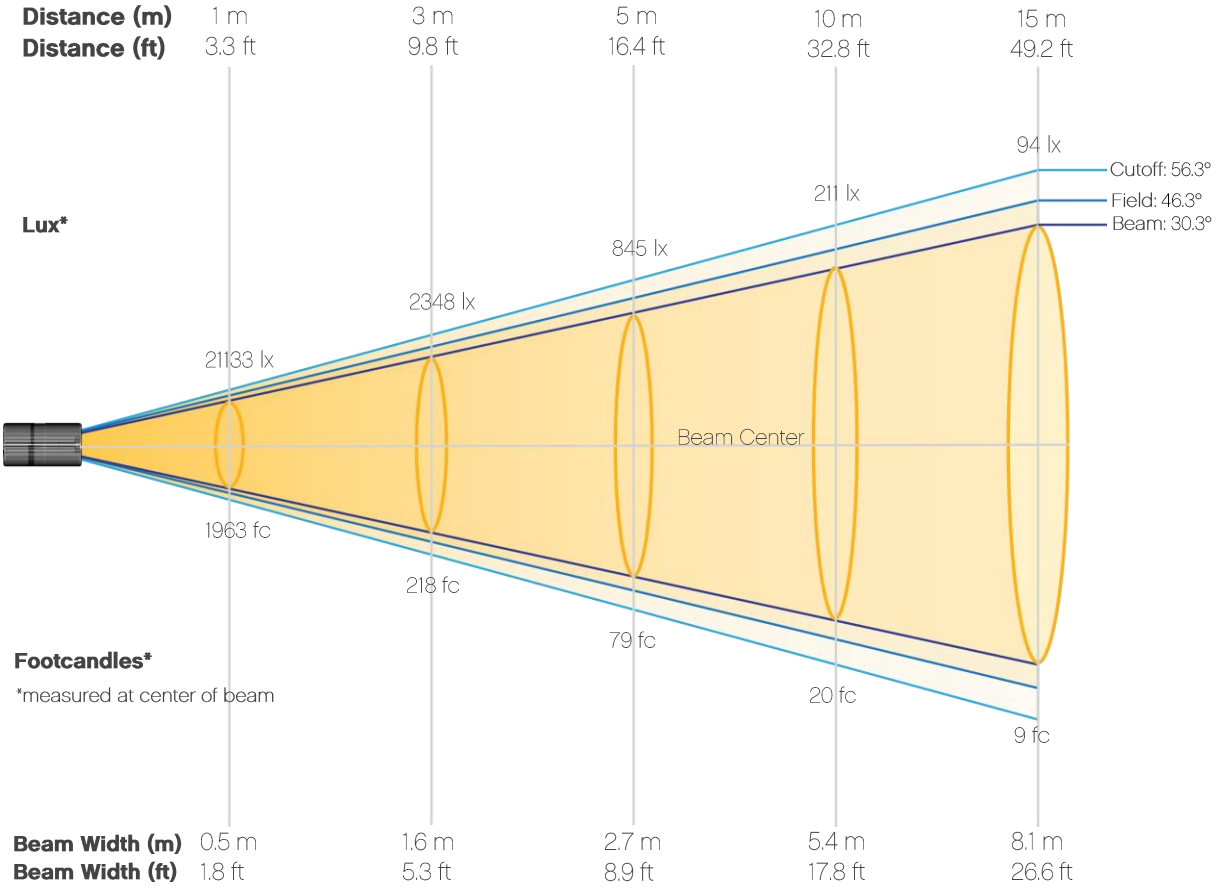

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, 7500K

## Beam Details



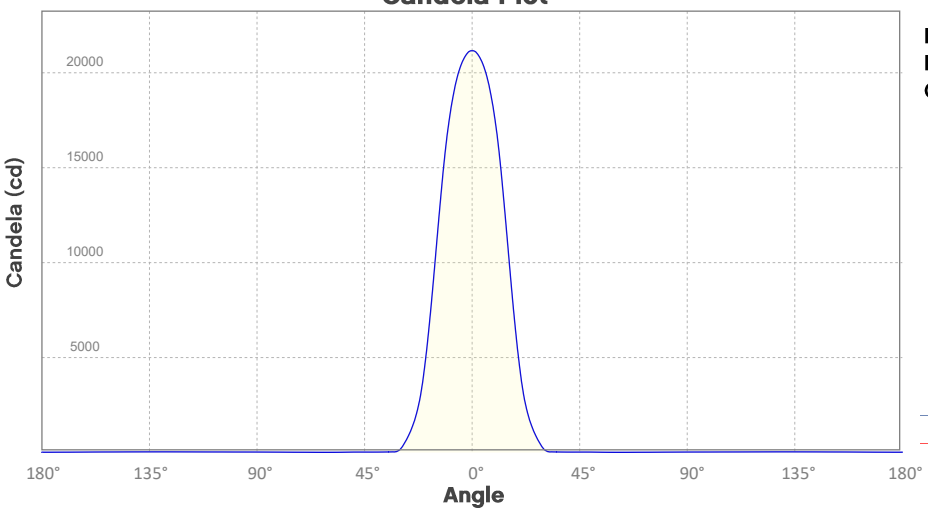

### Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 21133 | 5283 | 2348 | 1321 | 845 | 587 | 431 | 330 | 261 | 211 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 175 | 147 | 125 | 108 | 94 | 83 | 73 | 65 | 59 | 53 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 1963 | 491 | 218 | 123 | 79 | 55 | 40 | 31 | 24 | 20 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 16 | 14 | 12 | 10 | 9 | 8 | 7 | 6 | 5 | 5 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Flood, 7500K

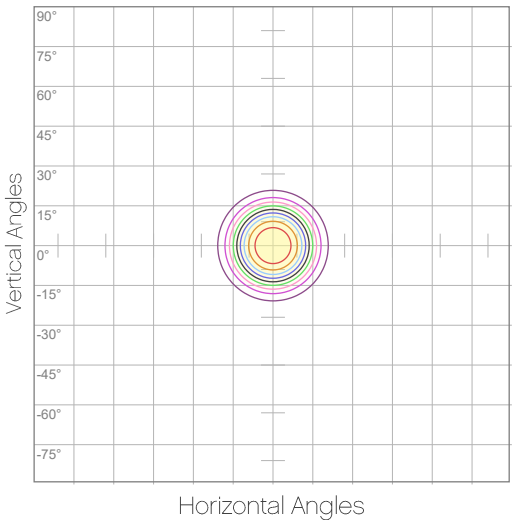
**Candela Plot**




**Beam Angle (50%): 30.3°**
**Field Angle (10%): 46.3°**
**Cutoff Angle (3%): 56.3°**

**Horizontal Distribution**
**Vertical Distribution**

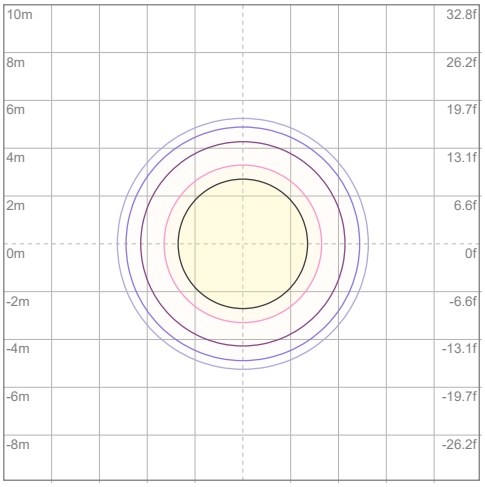
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 2113 cd |
| 20% | 4227 cd |
| 30% | 6340 cd |
| 40% | 8453 cd |
| 50% | 10566 cd |
| 60% | 12680 cd |
| 70% | 14793 cd |
| 80% | 16906 cd |
| 90% | 19019 cd |

Conditions:
Number of c-planes: 2
Candela at center: 21133 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 6.34 lx |
| 5% | 10.6 lx |
| 10% | 21.1 lx |
| 30% | 63.4 lx |
| 50% | 106 lx |

Conditions:
Number of c-planes: 2
Lux at center: 211 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Full Power

## Report Summary

### Output

Total Lumens: 4461 lm
Peak Intensity: 313169 cd
Illuminance @ 5m: 12527 lux
Fixture Efficacy: 12 lm/W

### Optical

Horizontal Beam Angle (50%): 6.7°
Vertical Beam Angle (50%): 6.7°
Horizontal Field Angle (10%): 10.3°
Vertical Field Angle (10%): 10.3°
Horizontal Cutoff Angle (3%): 12.2°
Vertical Cutoff Angle (3%): 12.2°

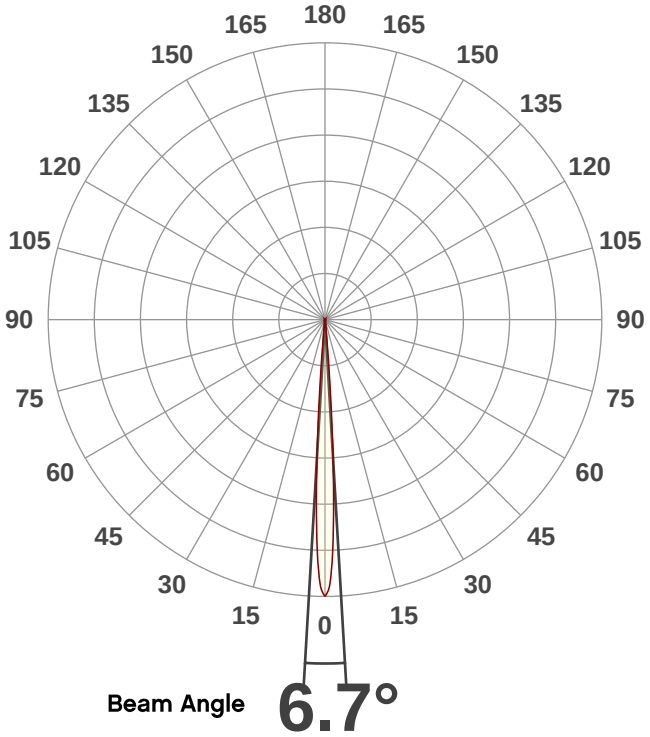
### Conditions

AC Supply: 116 V, 60 Hz
Power: 377.91 W
Current: 3.27 A
Power Factor: 0.99

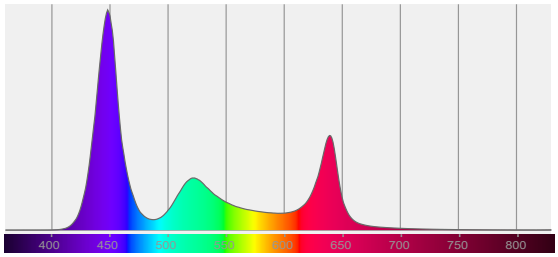
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/17/2019 to LM-63-2002 Standards.

## Overall Measurement

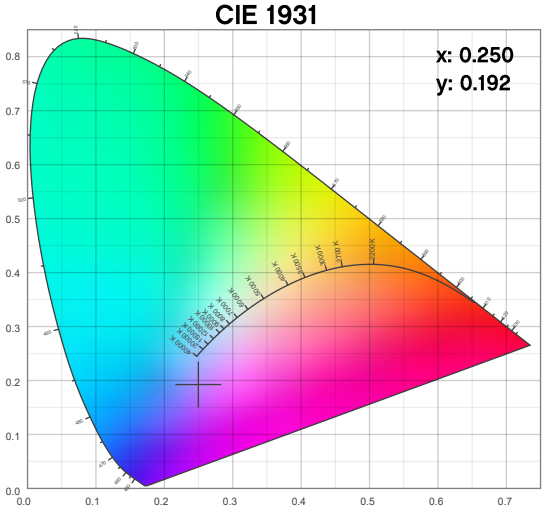
**Angular Beam Distribution**




**Spectral Distribution**



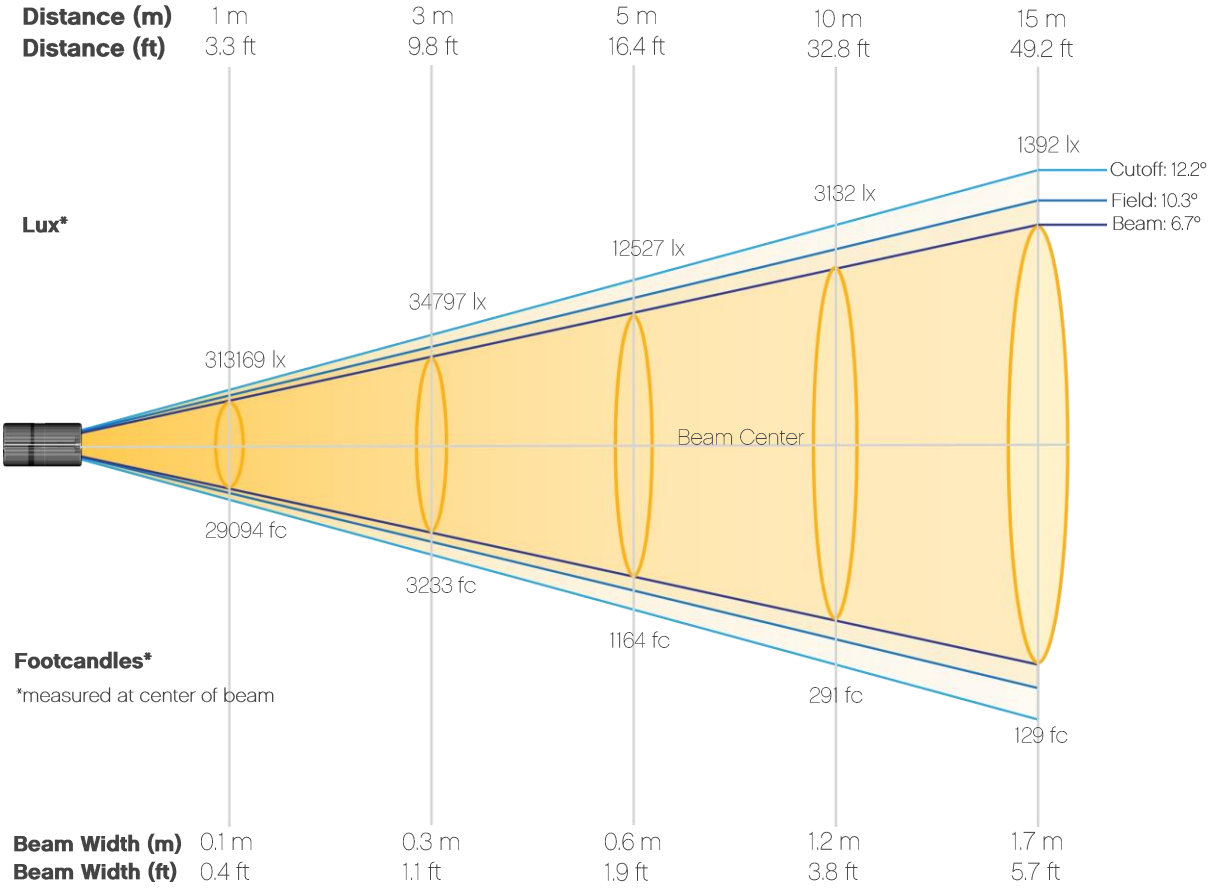

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Full Power

## Beam Details



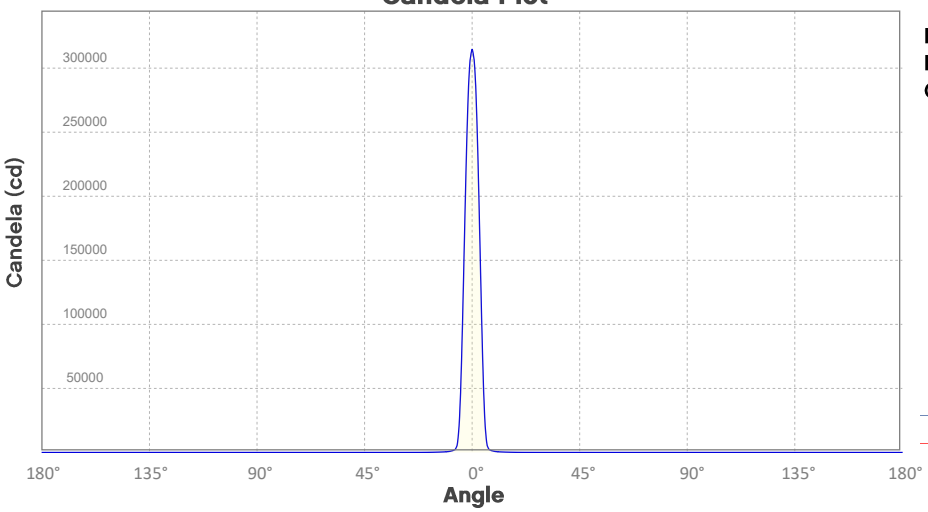

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 313169 | 78292 | 34797 | 19573 | 12527 | 8699 | 6391 | 4893 | 3866 | 3132 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 2588 | 2175 | 1853 | 1598 | 1392 | 1223 | 1084 | 967 | 868 | 783 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 29094 | 7274 | 3233 | 1818 | 1164 | 808 | 594 | 455 | 359 | 291 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 240 | 202 | 172 | 148 | 129 | 114 | 101 | 90 | 81 | 73 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Full Power

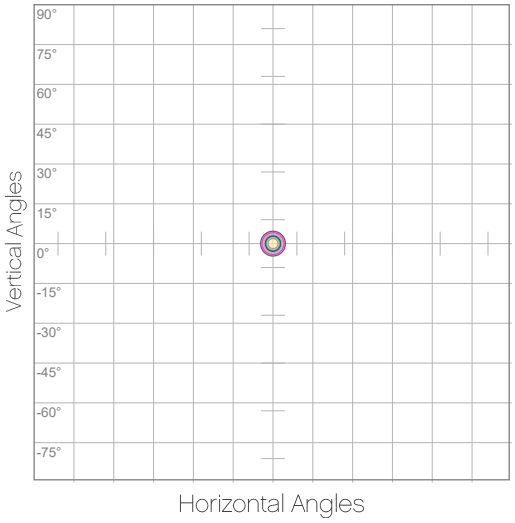
**Candela Plot**




**Beam Angle (50%): 6.7°**
**Field Angle (10%): 10.3°**
**Cutoff Angle (3%): 12.2°**

**Horizontal Distribution**
**Vertical Distribution**

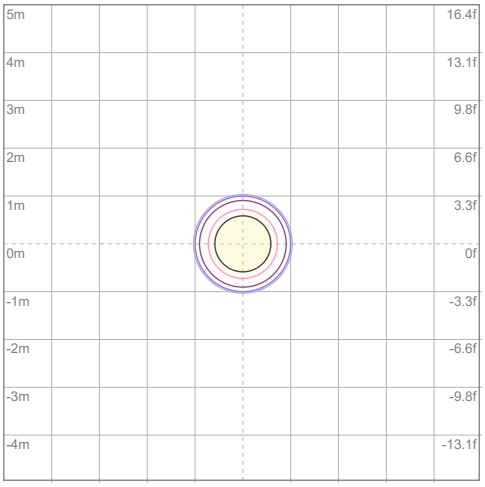
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 31317 cd |
| 20% | 62634 cd |
| 30% | 93951 cd |
| 40% | 125268 cd |
| 50% | 156585 cd |
| 60% | 187901 cd |
| 70% | 219218 cd |
| 80% | 250535 cd |
| 90% | 281852 cd |

Conditions:
Number of c-planes: 2
Candela at center: 313169 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 94.0 lx |
| 5% | 157 lx |
| 10% | 313 lx |
| 30% | 940 lx |
| 50% | 1566 lx |

Conditions:
Number of c-planes: 2
Lux at center: 3132 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Red Only

## Report Summary

### Output

Total Lumens: 703 lm
Peak Intensity: 44571 cd
Illuminance @ 5m: 1783 lux
Fixture Efficacy: 5 lm/W

### Optical

Horizontal Beam Angle (50%): 6.5°
Vertical Beam Angle (50%): 6.5°
Horizontal Field Angle (10%): 10.1°
Vertical Field Angle (10%): 10.1°
Horizontal Cutoff Angle (3%): 11.9°
Vertical Cutoff Angle (3%): 11.9°

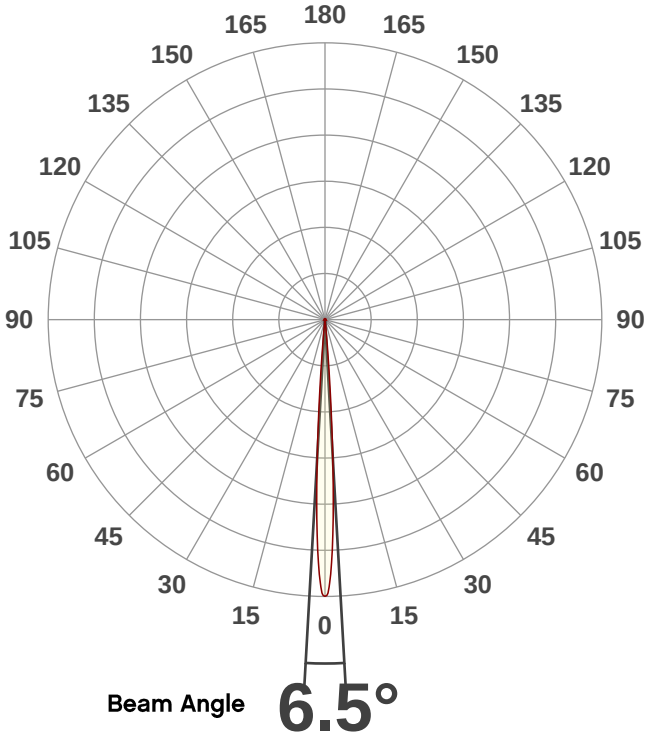
### Conditions

AC Supply: 118 V, 60 Hz
Power: 135.47 W
Current: 1.15 A
Power Factor: 0.98

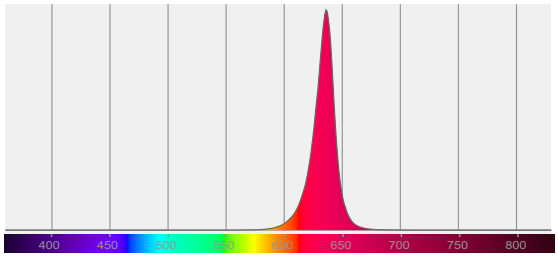
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

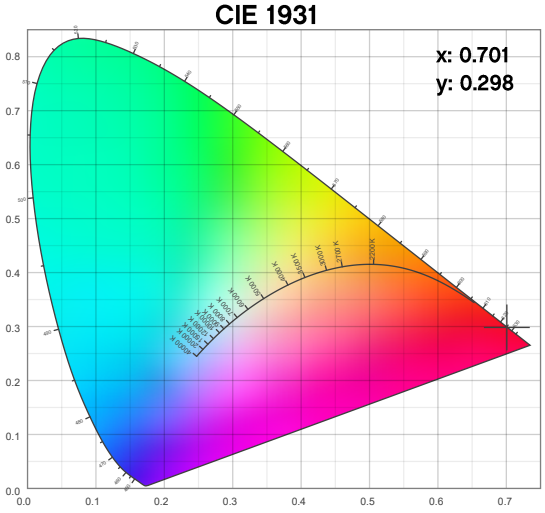
**Angular Beam Distribution**




**Spectral Distribution**



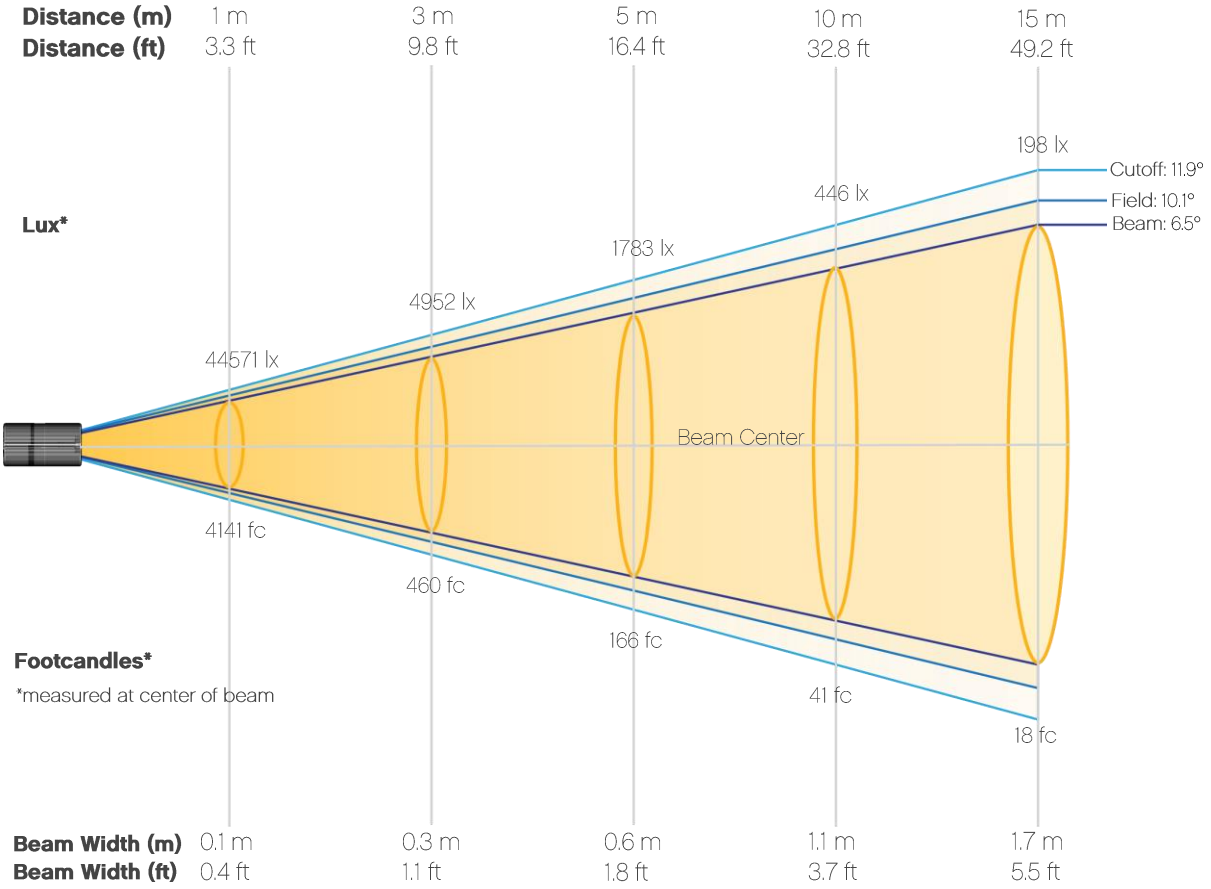

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Red Only

## Beam Details



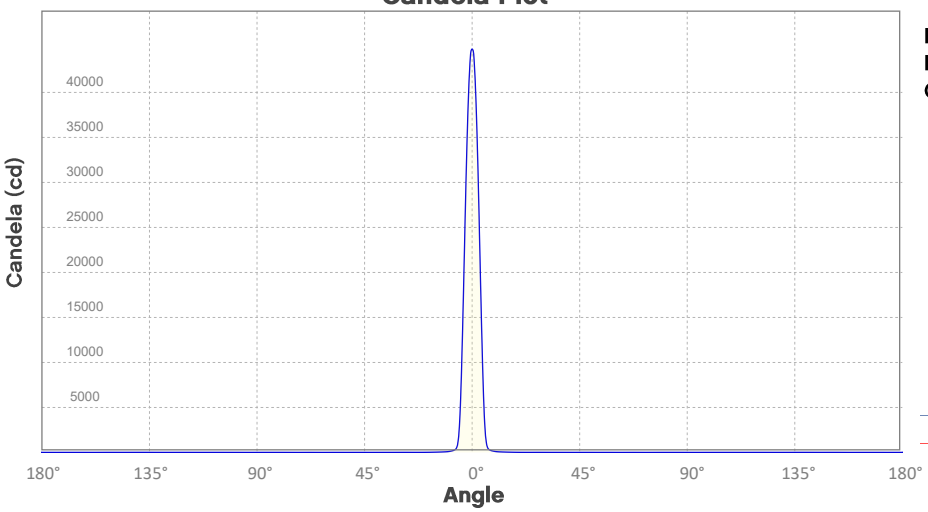

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 44571 | 11143 | 4952 | 2786 | 1783 | 1238 | 910 | 696 | 550 | 446 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 368 | 310 | 264 | 227 | 198 | 174 | 154 | 138 | 123 | 111 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 4141 | 1035 | 460 | 259 | 166 | 115 | 85 | 65 | 51 | 41 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 34 | 29 | 25 | 21 | 18 | 16 | 14 | 13 | 11 | 10 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Red Only

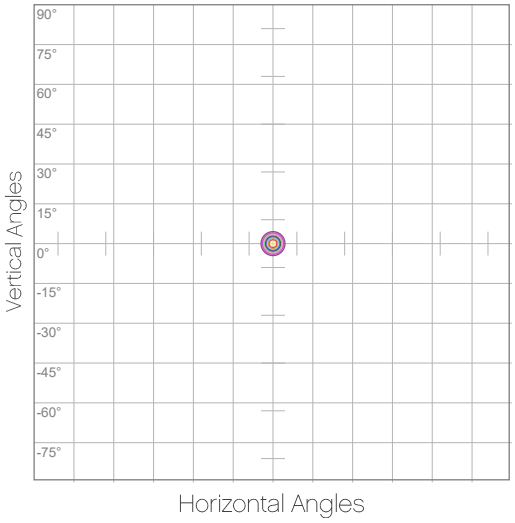
**Candela Plot**




**Beam Angle (50%): 6.5°**
**Field Angle (10%): 10.1°**
**Cutoff Angle (3%): 11.9°**

**Horizontal Distribution**
**Vertical Distribution**

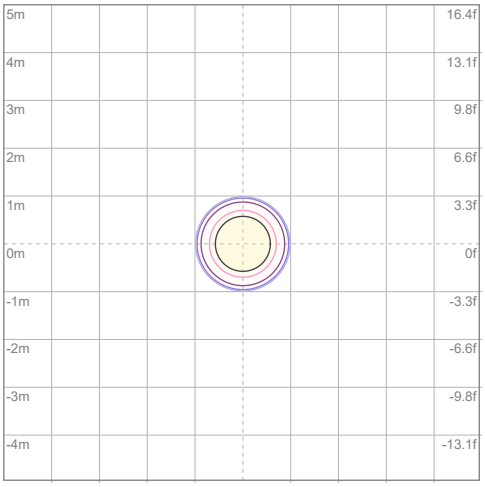
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 4457 cd |
| 20% | 8914 cd |
| 30% | 13371 cd |
| 40% | 17828 cd |
| 50% | 22286 cd |
| 60% | 26743 cd |
| 70% | 31200 cd |
| 80% | 35657 cd |
| 90% | 40114 cd |

Conditions:
Number of c-planes: 2
Candela at center: 44571 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 13.4 lx |
| 5% | 22.3 lx |
| 10% | 44.6 lx |
| 30% | 134 lx |
| 50% | 223 lx |

Conditions:
Number of c-planes: 2
Lux at center: 446 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Green Only

## Report Summary

### Output

Total Lumens: 1300 lm
Peak Intensity: 94966 cd
Illuminance @ 5m: 3799 lux
Fixture Efficacy: 8 lm/W

### Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 10.1°
Vertical Field Angle (10%): 10.1°
Horizontal Cutoff Angle (3%): 12.1°
Vertical Cutoff Angle (3%): 12.1°

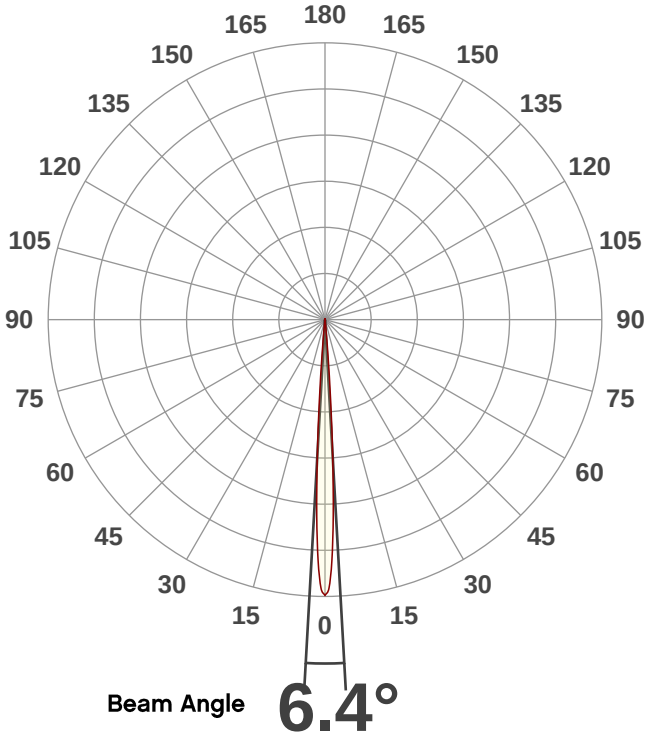
### Conditions

AC Supply: 117 V, 60 Hz
Power: 176.66 W
Current: 1.51 A
Power Factor: 0.98

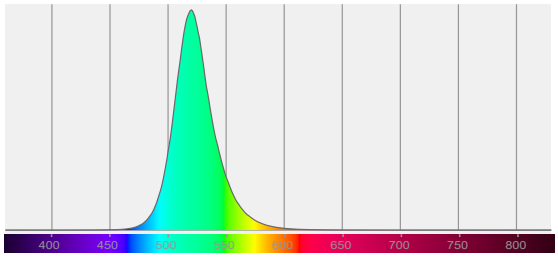
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

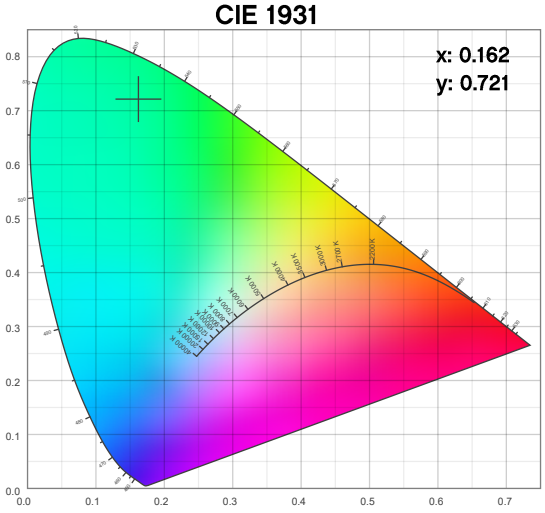
**Angular Beam Distribution**




**Spectral Distribution**



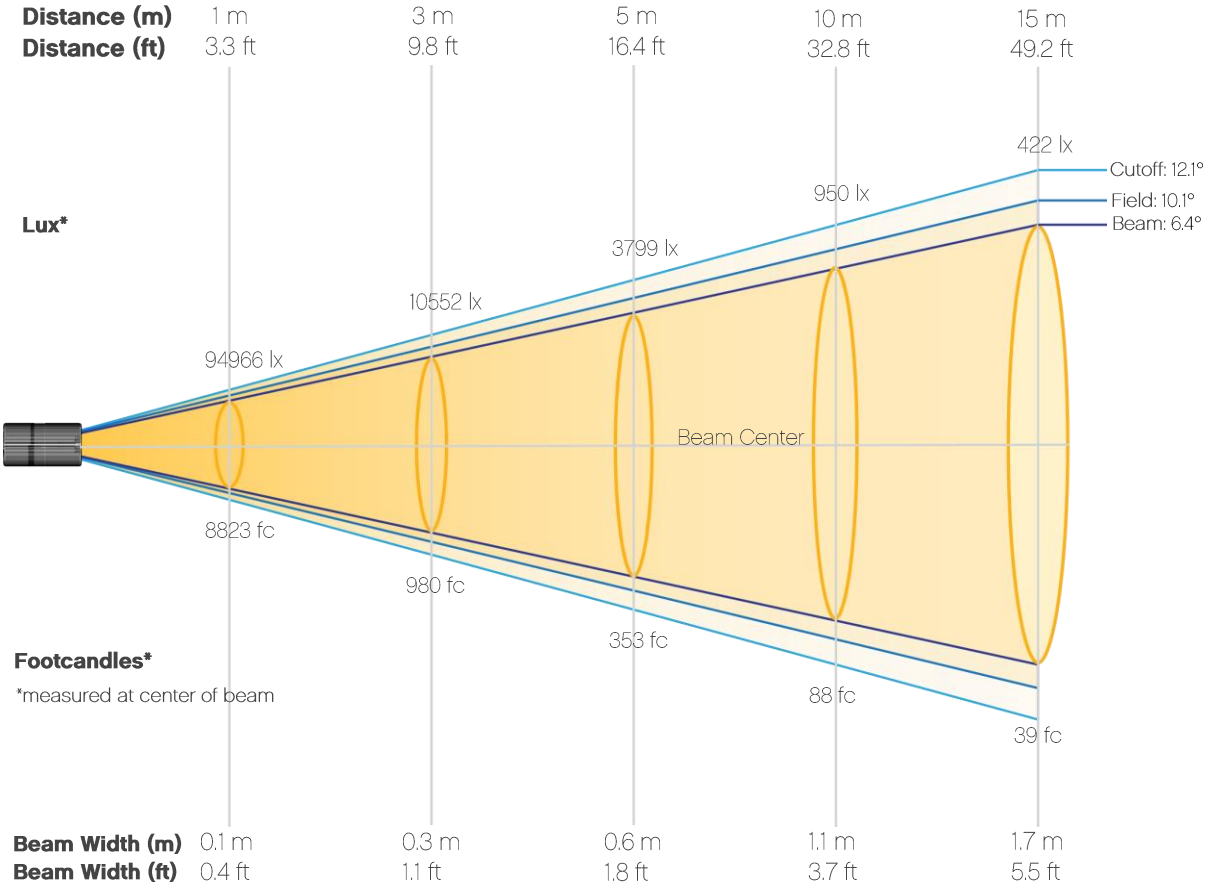

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Green Only

## Beam Details



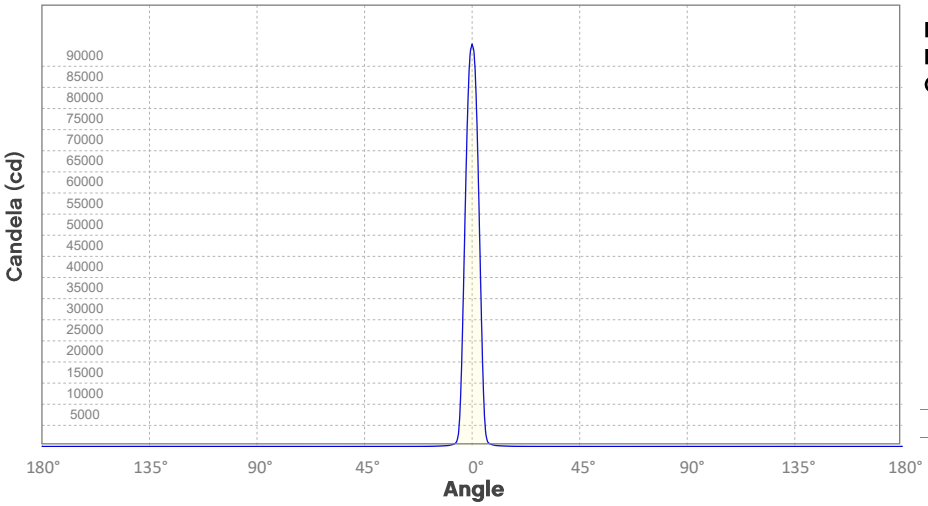

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 94966 | 23742 | 10552 | 5935 | 3799 | 2638 | 1938 | 1484 | 1172 | 950 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 785 | 659 | 562 | 485 | 422 | 371 | 329 | 293 | 263 | 237 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 8823 | 2206 | 980 | 551 | 353 | 245 | 180 | 138 | 109 | 88 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 73 | 61 | 52 | 45 | 39 | 34 | 31 | 27 | 24 | 22 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Green Only

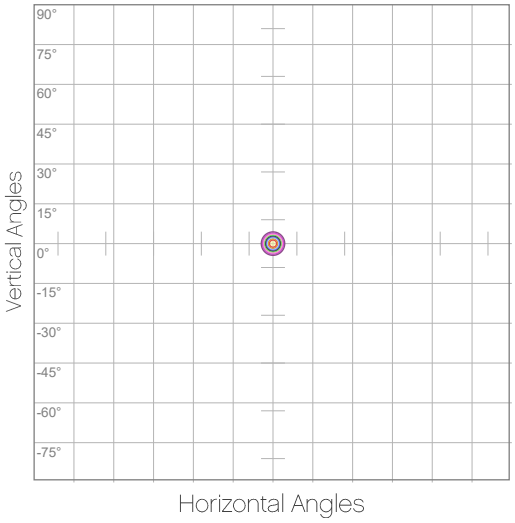
**Candela Plot**




**Beam Angle (50%): 6.4°**
**Field Angle (10%): 10.1°**
**Cutoff Angle (3%): 12.1°**

**Horizontal Distribution**
**Vertical Distribution**

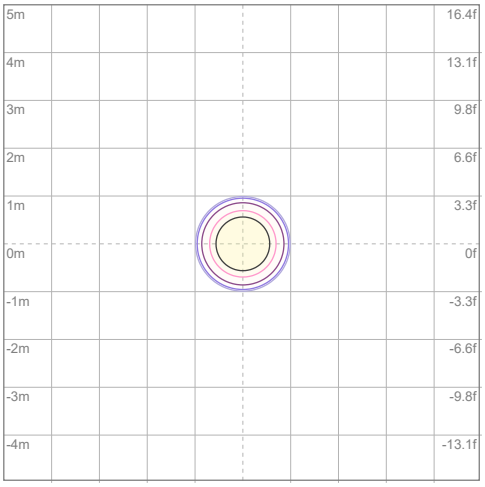
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 9497 cd |
| 20% | 18993 cd |
| 30% | 28490 cd |
| 40% | 37987 cd |
| 50% | 47483 cd |
| 60% | 56980 cd |
| 70% | 66476 cd |
| 80% | 75973 cd |
| 90% | 85470 cd |

Conditions:
Number of c-planes: 2
Candela at center: 94966 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 28.5 lx |
| 5% | 47.5 lx |
| 10% | 95.0 lx |
| 30% | 285 lx |
| 50% | 475 lx |

Conditions:
Number of c-planes: 2
Lux at center: 950 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Blue Only

## Report Summary

### Output

Total Lumens: 422 lm
Peak Intensity: 24552 cd
Illuminance @ 5m: 982 lux
Fixture Efficacy: 3 lm/W

### Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 10.1°
Vertical Field Angle (10%): 10.1°
Horizontal Cutoff Angle (3%): 12.3°
Vertical Cutoff Angle (3%): 12.3°

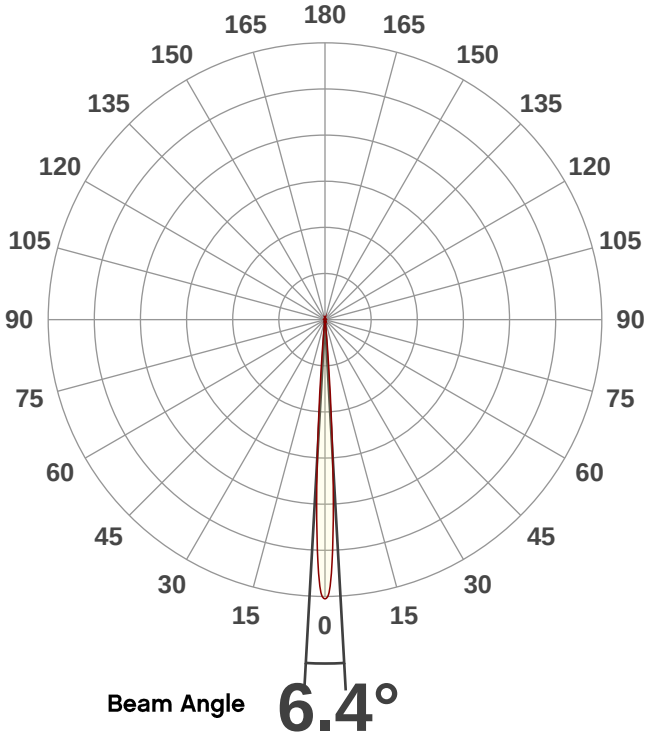
### Conditions

AC Supply: 117 V, 60 Hz
Power: 160.5 W
Current: 1.37 A
Power Factor: 0.98

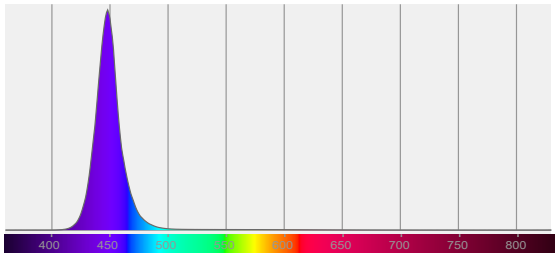
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

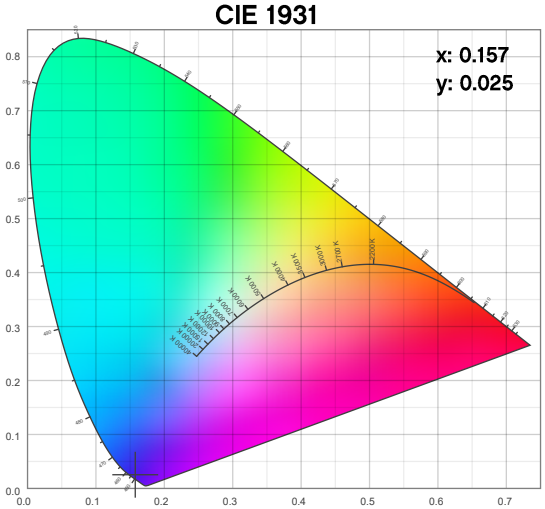
**Angular Beam Distribution**




**Spectral Distribution**



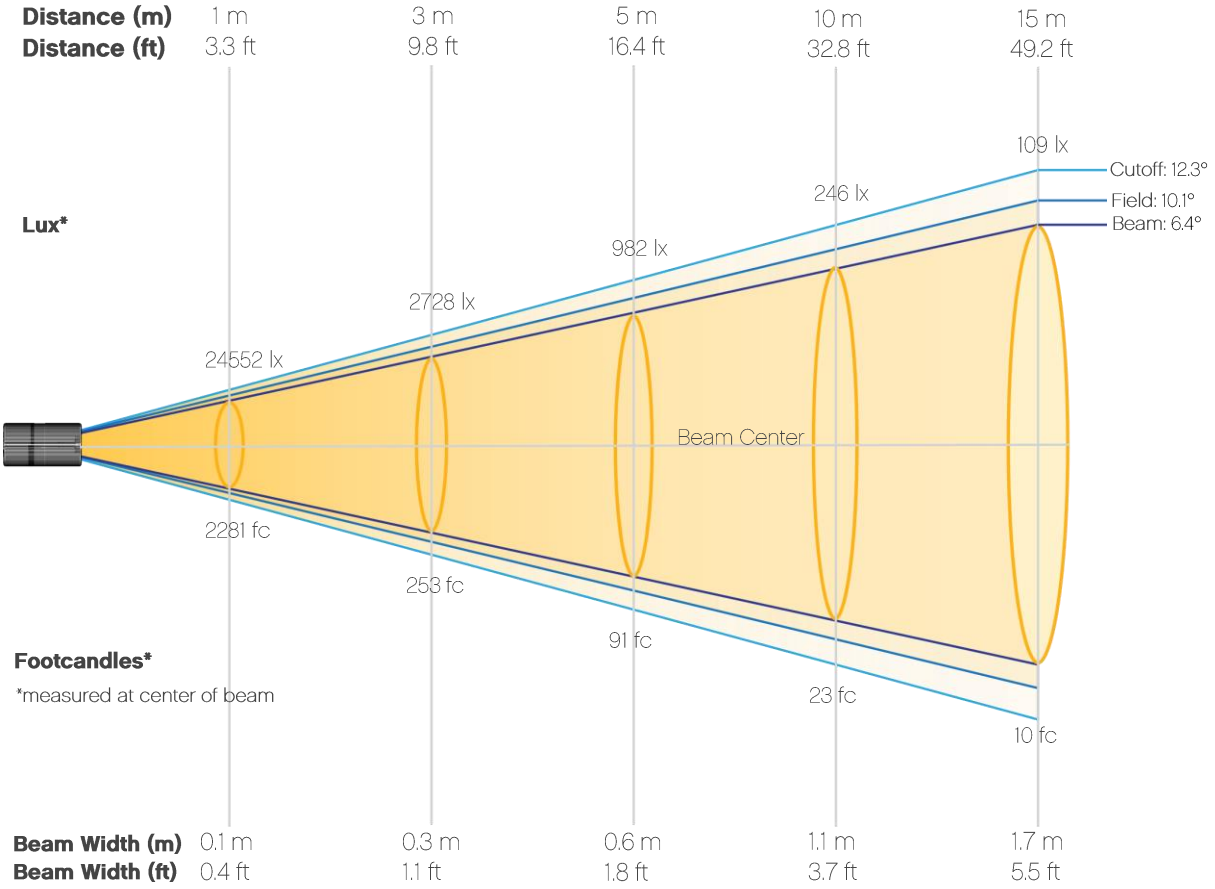

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Blue Only

## Beam Details



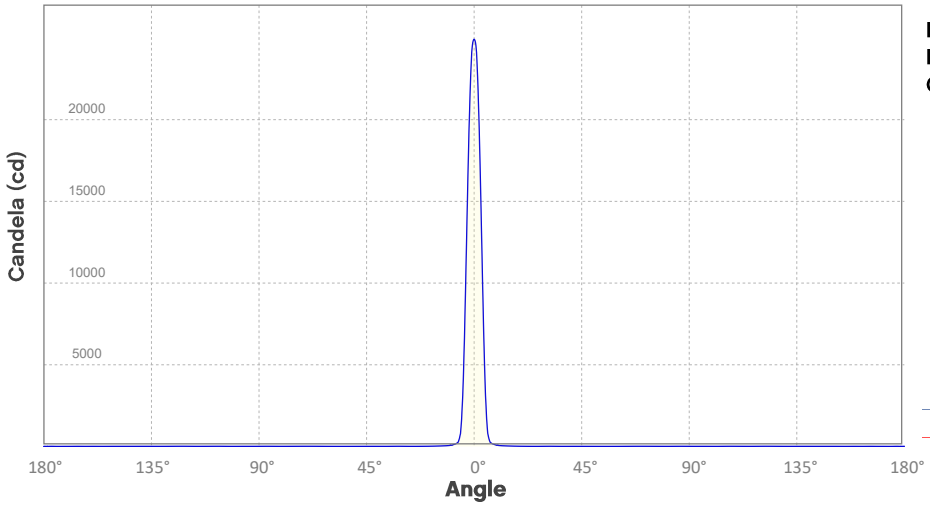

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 24552 | 6138 | 2728 | 1534 | 982 | 682 | 501 | 384 | 303 | 246 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 203 | 170 | 145 | 125 | 109 | 96 | 85 | 76 | 68 | 61 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 2281 | 570 | 253 | 143 | 91 | 63 | 47 | 36 | 28 | 23 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 19 | 16 | 13 | 12 | 10 | 9 | 8 | 7 | 6 | 6 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, Blue Only

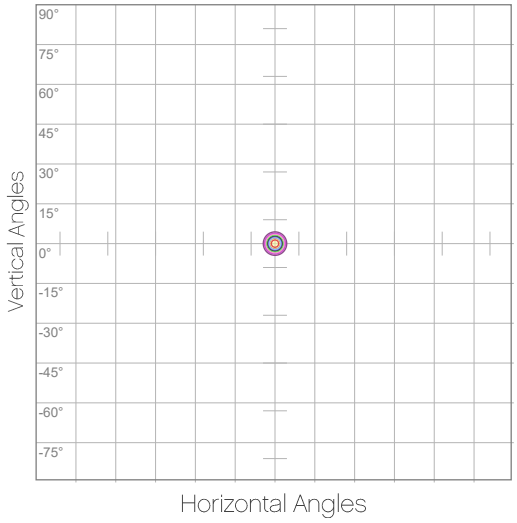
**Candela Plot**




**Beam Angle (50%): 6.4°**
**Field Angle (10%): 10.1°**
**Cutoff Angle (3%): 12.3°**

**Horizontal Distribution**
**Vertical Distribution**

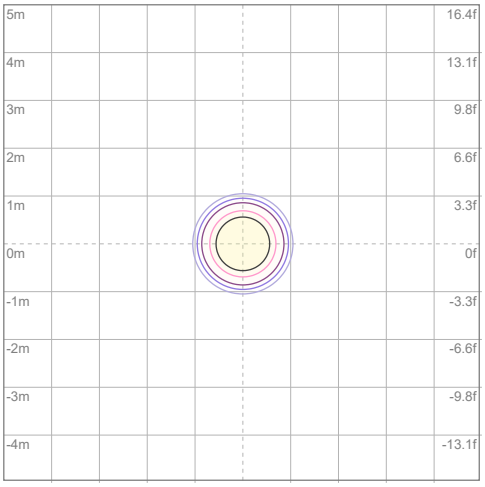
## Polar Diagrams




### iso-candela Diagram

| | | |
|---|---|---|
| | 10% | 2455 cd |
| | 20% | 4910 cd |
| | 30% | 7366 cd |
| | 40% | 9821 cd |
| | 50% | 12276 cd |
| | 60% | 14731 cd |
| | 70% | 17186 cd |
| | 80% | 19642 cd |
| | 90% | 22097 cd |

Conditions:
Number of c-planes: 2
Candela at center: 24552 cd




### iso-illuminance Diagram

| | | |
|---|---|---|
| | 3% | 7.37 lx |
| | 5% | 12.3 lx |
| | 10% | 24.6 lx |
| | 30% | 73.7 lx |
| | 50% | 123 lx |

Conditions:
Number of c-planes: 2
Lux at center: 246 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, White Only

## Report Summary

### Output

Total Lumens: 1833 lm
Peak Intensity: 136922 cd
Illuminance @ 5m: 5477 lux
Fixture Efficacy: 12 lm/W

### Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 10°
Vertical Field Angle (10%): 10°
Horizontal Cutoff Angle (3%): 11.9°
Vertical Cutoff Angle (3%): 11.9°

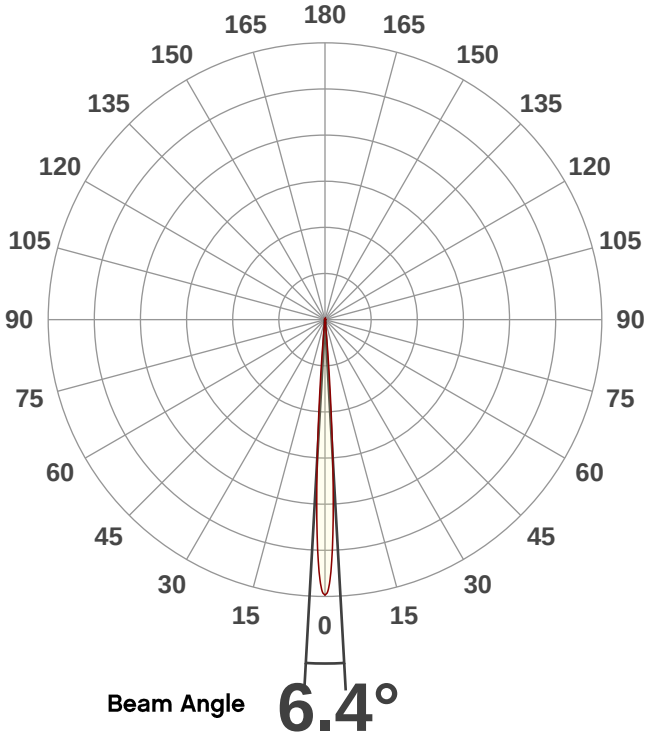
### Conditions

AC Supply: 117 V, 60 Hz
Power: 160.44 W
Current: 1.37 A
Power Factor: 0.98

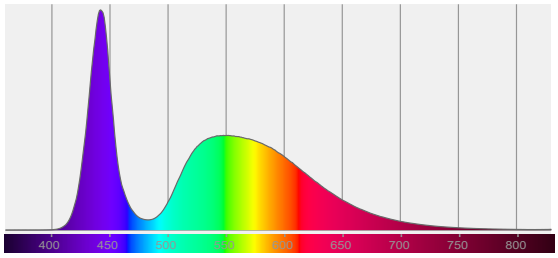
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

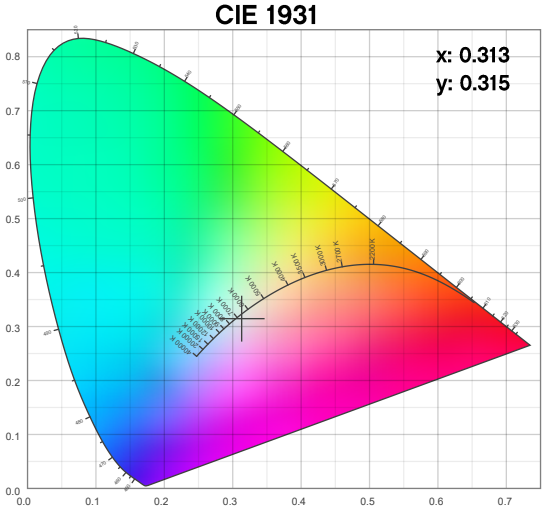
**Angular Beam Distribution**




**Spectral Distribution**



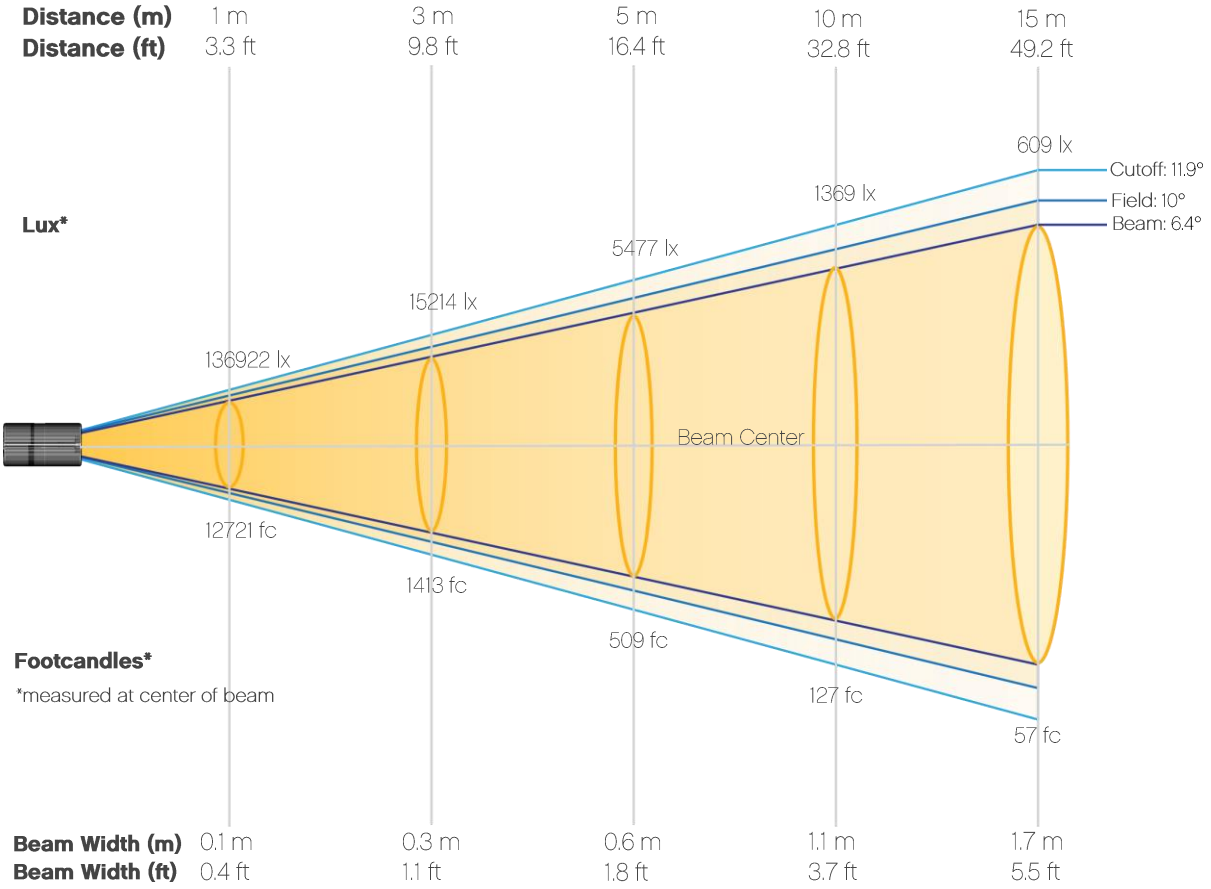

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, White Only

## Beam Details



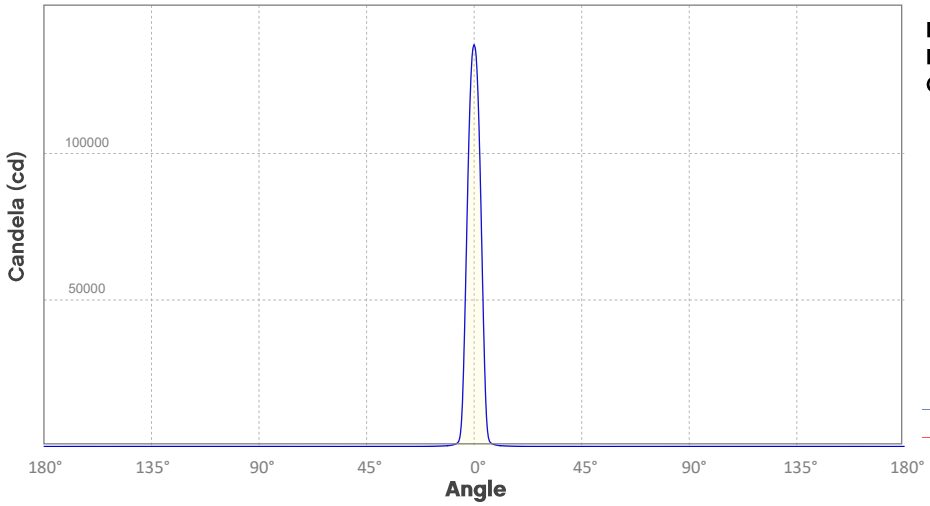

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 136922 | 34231 | 15214 | 8558 | 5477 | 3803 | 2794 | 2139 | 1690 | 1369 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 1132 | 951 | 810 | 699 | 609 | 535 | 474 | 423 | 379 | 342 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 12721 | 3180 | 1413 | 795 | 509 | 353 | 260 | 199 | 157 | 127 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 105 | 88 | 75 | 65 | 57 | 50 | 44 | 39 | 35 | 32 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, White Only

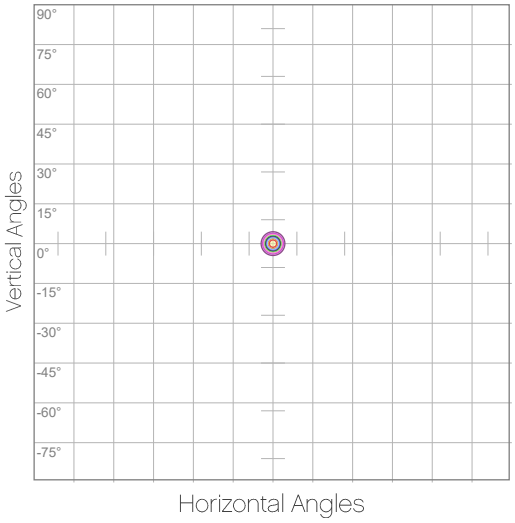
**Candela Plot**




**Beam Angle (50%): 6.4°**
**Field Angle (10%): 10°**
**Cutoff Angle (3%): 11.9°**

**Horizontal Distribution**
**Vertical Distribution**

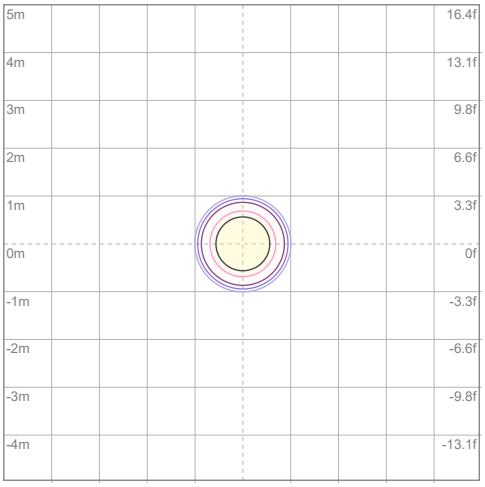
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 13692 cd |
| 20% | 27384 cd |
| 30% | 41077 cd |
| 40% | 54769 cd |
| 50% | 68461 cd |
| 60% | 82153 cd |
| 70% | 95846 cd |
| 80% | 109538 cd |
| 90% | 123230 cd |

Conditions:
Number of c-planes: 2
Candela at center: 136922 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 41.1 lx |
| 5% | 68.5 lx |
| 10% | 137 lx |
| 30% | 411 lx |
| 50% | 685 lx |

Conditions:
Number of c-planes: 2
Lux at center: 1369 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, 7500K

## Report Summary

### Output

Total Lumens: 3581 lm
Peak Intensity: 267412 cd
Illuminance @ 5m: 10696 lux
Fixture Efficacy: 11 lm/W

### Optical

Horizontal Beam Angle (50%): 6.4°
Vertical Beam Angle (50%): 6.4°
Horizontal Field Angle (10%): 10°
Vertical Field Angle (10%): 10°
Horizontal Cutoff Angle (3%): 11.9°
Vertical Cutoff Angle (3%): 11.9°

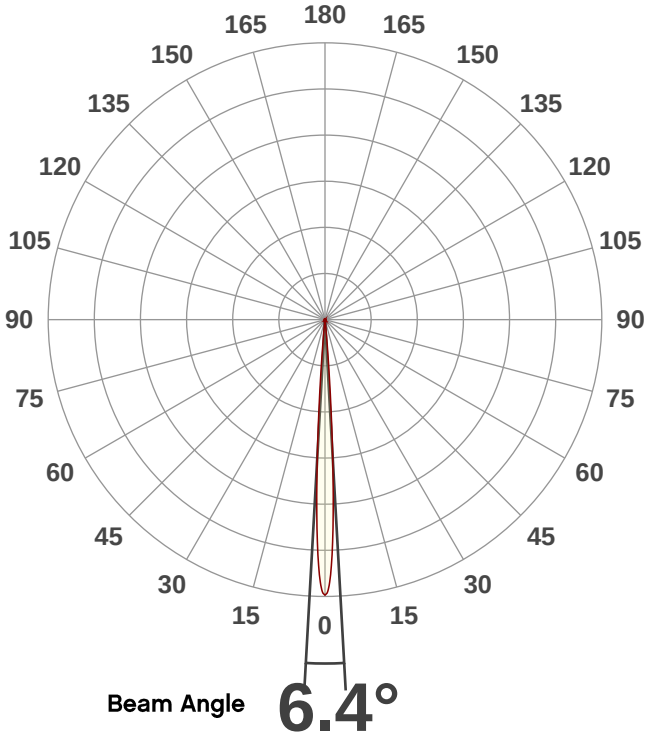
### Conditions

AC Supply: 116 V, 60 Hz
Power: 315.88 W
Current: 2.72 A
Power Factor: 0.99

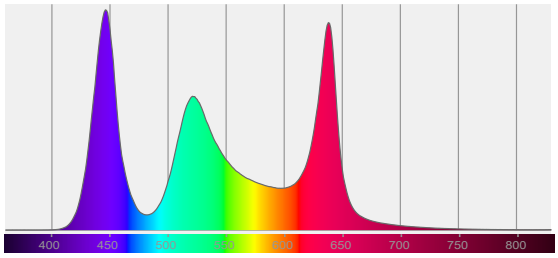
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

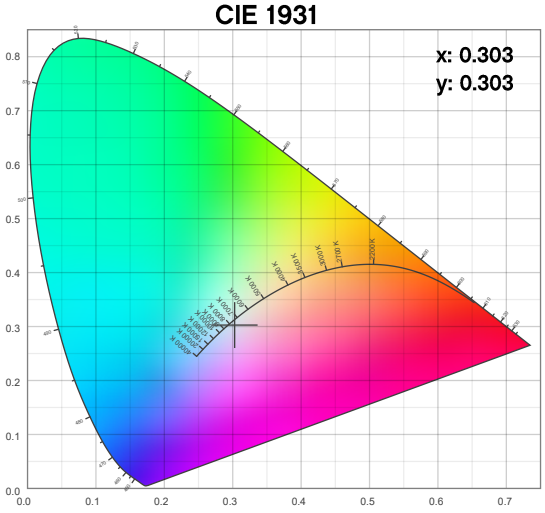
**Angular Beam Distribution**




**Spectral Distribution**



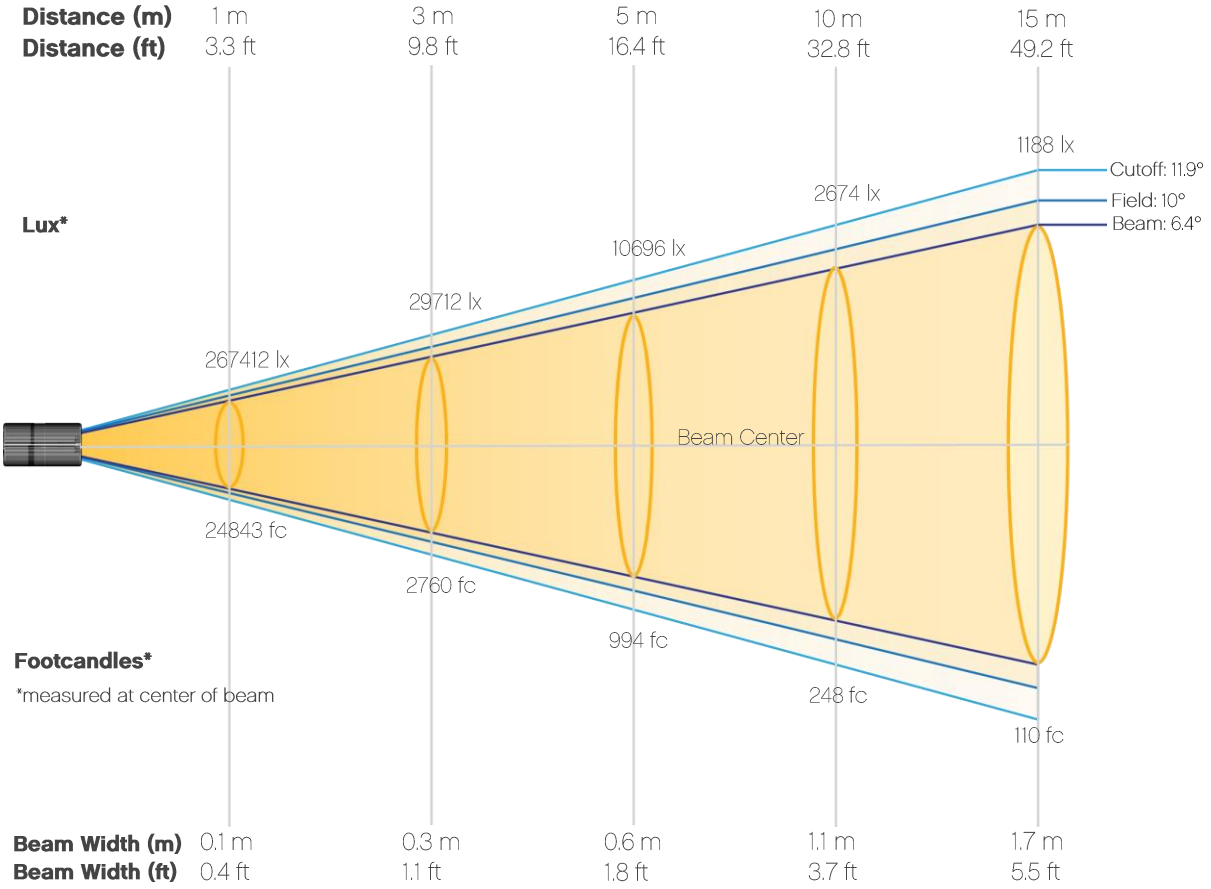

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, 7500K

## Beam Details



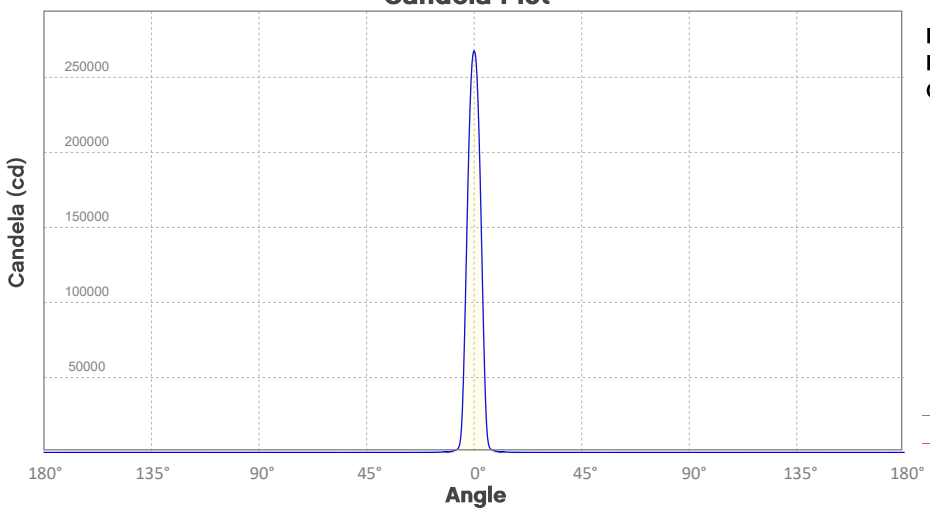

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 267412 | 66853 | 29712 | 16713 | 10696 | 7428 | 5457 | 4178 | 3301 | 2674 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 2210 | 1857 | 1582 | 1364 | 1188 | 1045 | 925 | 825 | 741 | 669 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 24843 | 6211 | 2760 | 1553 | 994 | 690 | 507 | 388 | 307 | 248 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 205 | 173 | 147 | 127 | 110 | 97 | 86 | 77 | 69 | 62 |

# Photometric Report

**Maverick Storm 1 Wash:** Full Spot, 7500K

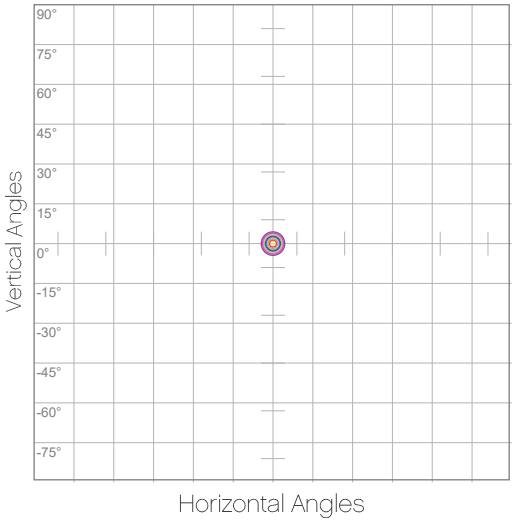
**Candela Plot**




**Beam Angle (50%): 6.4°**
**Field Angle (10%): 10°**
**Cutoff Angle (3%): 11.9°**

**Horizontal Distribution**
**Vertical Distribution**

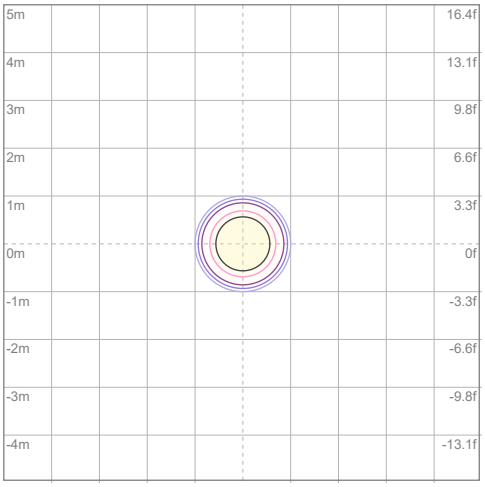
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 26741 cd |
| 20% | 53482 cd |
| 30% | 80224 cd |
| 40% | 106965 cd |
| 50% | 133706 cd |
| 60% | 160447 cd |
| 70% | 187189 cd |
| 80% | 213930 cd |
| 90% | 240671 cd |

Conditions:
Number of c-planes: 2
Candela at center: 267412 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 80.2 lx |
| 5% | 134 lx |
| 10% | 267 lx |
| 30% | 802 lx |
| 50% | 1337 lx |

Conditions:
Number of c-planes: 2
Lux at center: 2674 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Full Power

## Report Summary

### Output

Total Lumens: 5768 lm
Peak Intensity: 56224 cd
Illuminance @ 5m: 2249 lux
Fixture Efficacy: 15 lm/W

### Optical

Horizontal Beam Angle (50%): 19.2°
Vertical Beam Angle (50%): 19.2°
Horizontal Field Angle (10%): 27°
Vertical Field Angle (10%): 27°
Horizontal Cutoff Angle (3%): 30.3°
Vertical Cutoff Angle (3%): 30.3°

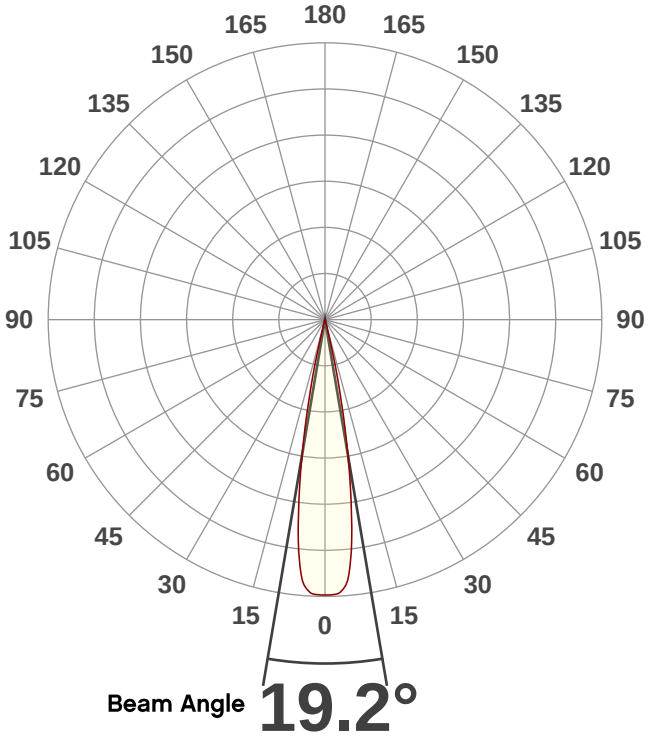
### Conditions

AC Supply: 116 V, 60 Hz
Power: 379.27 W
Current: 3.27 A
Power Factor: 0.99

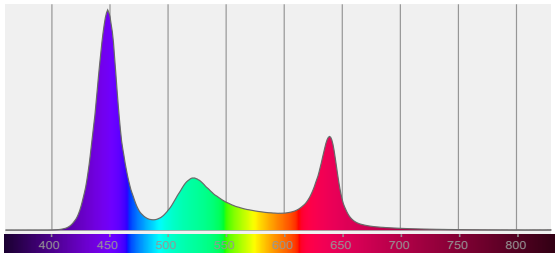
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/17/2019 to LM-63-2002 Standards.

## Overall Measurement

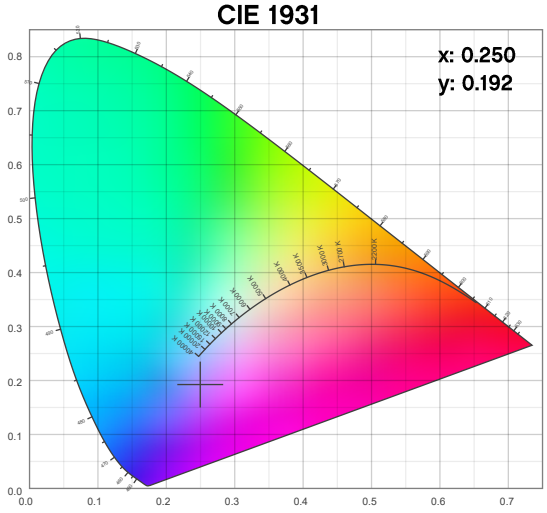
**Angular Beam Distribution**




**Spectral Distribution**



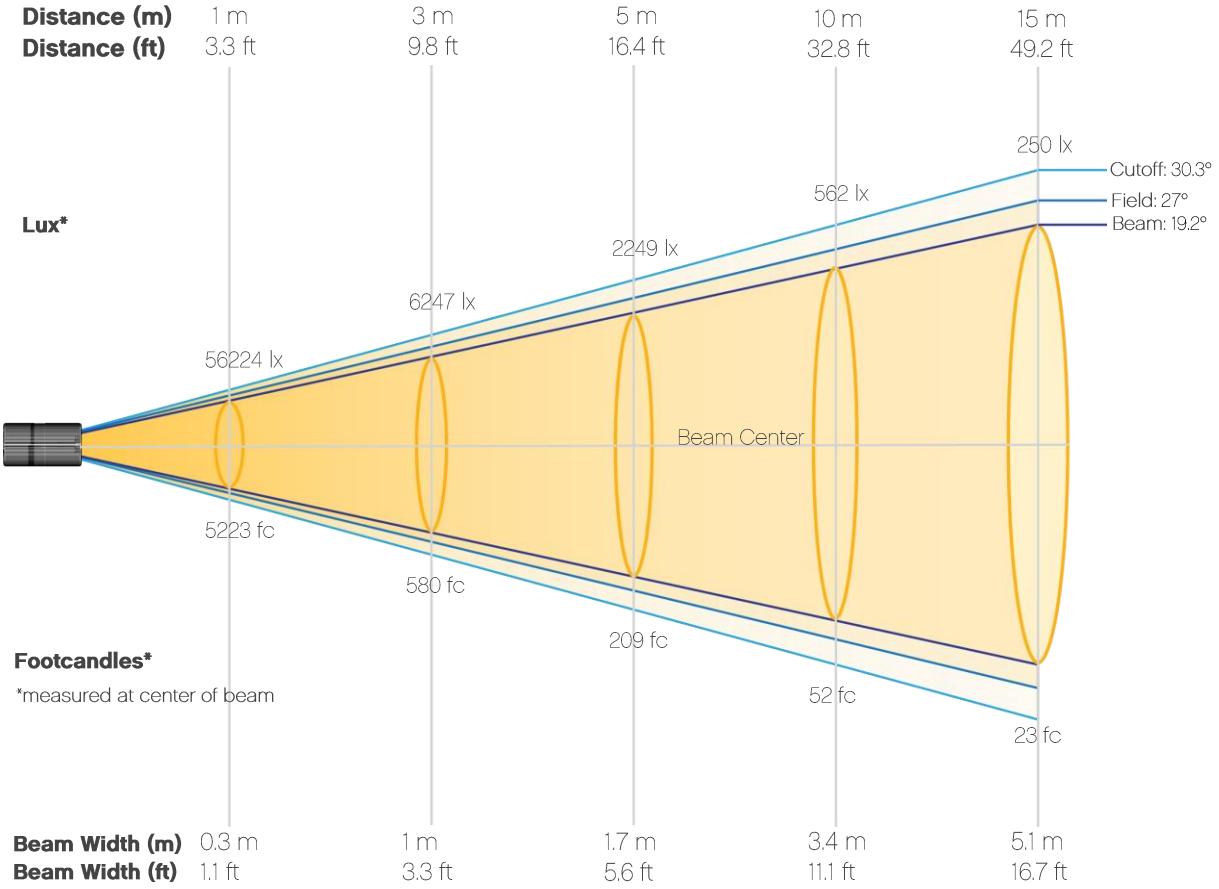

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Full Power

## Beam Details



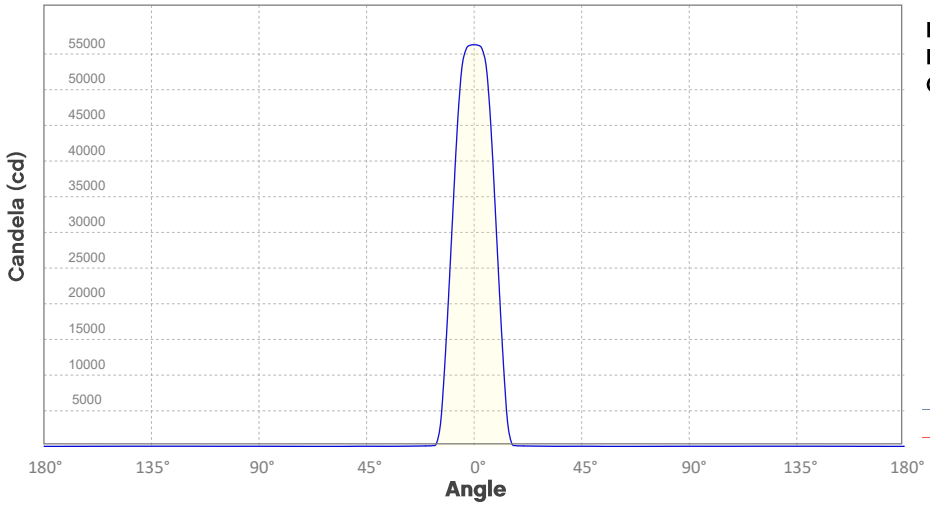

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 56224 | 14056 | 6247 | 3514 | 2249 | 1562 | 1147 | 879 | 694 | 562 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 465 | 390 | 333 | 287 | 250 | 220 | 195 | 174 | 156 | 141 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 5223 | 1306 | 580 | 326 | 209 | 145 | 107 | 82 | 64 | 52 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 43 | 36 | 31 | 27 | 23 | 20 | 18 | 16 | 14 | 13 |

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Full Power

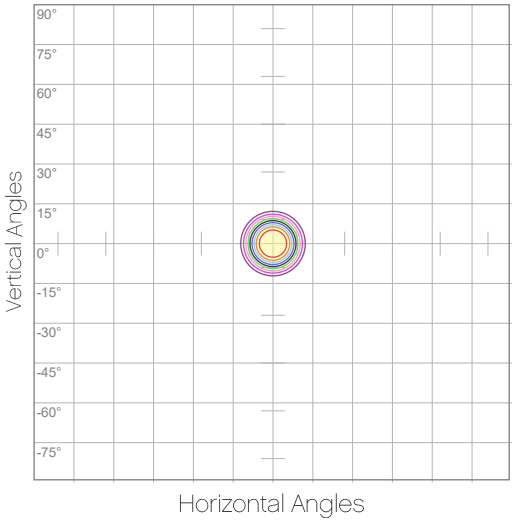
**Candela Plot**




**Beam Angle (50%): 19.2°**
**Field Angle (10%): 27°**
**Cutoff Angle (3%): 30.3°**

**Horizontal Distribution**
**Vertical Distribution**

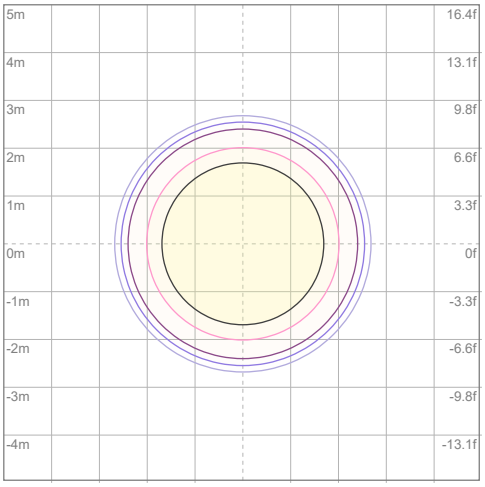
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 5622 cd |
| 20% | 11245 cd |
| 30% | 16867 cd |
| 40% | 22490 cd |
| 50% | 28112 cd |
| 60% | 33735 cd |
| 70% | 39357 cd |
| 80% | 44979 cd |
| 90% | 50602 cd |

Conditions:
Number of c-planes: 2
Candela at center: 56224 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 16.9 lx |
| 5% | 28.1 lx |
| 10% | 56.2 lx |
| 30% | 169 lx |
| 50% | 281 lx |

Conditions:
Number of c-planes: 2
Lux at center: 562 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Red Only

## Report Summary

### Output

Total Lumens: 883 lm
Peak Intensity: 8728 cd
Illuminance @ 5m: 349 lux
Fixture Efficacy: 7 lm/W

### Optical

Horizontal Beam Angle (50%): 18.8°
Vertical Beam Angle (50%): 18.8°
Horizontal Field Angle (10%): 26.9°
Vertical Field Angle (10%): 26.9°
Horizontal Cutoff Angle (3%): 30°
Vertical Cutoff Angle (3%): 30°

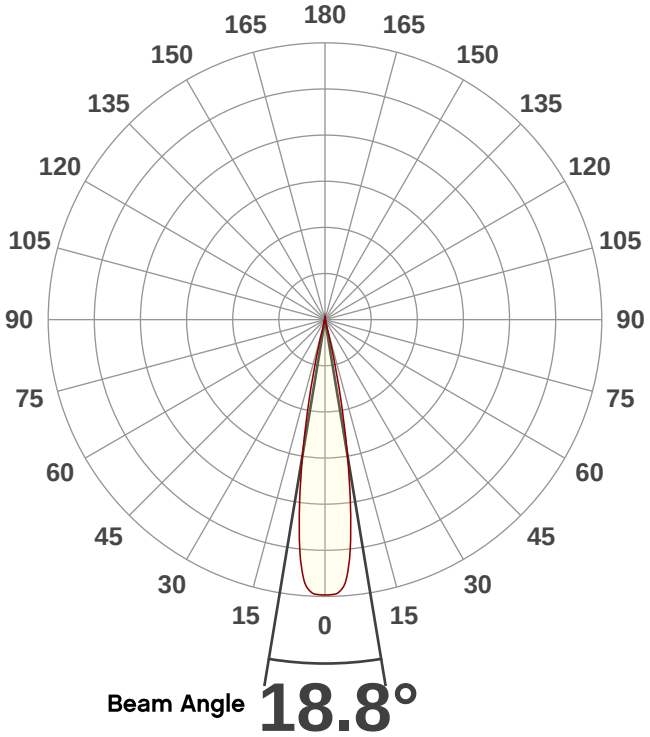
### Conditions

AC Supply: 117 V, 60 Hz
Power: 133.66 W
Current: 1.14 A
Power Factor: 0.98

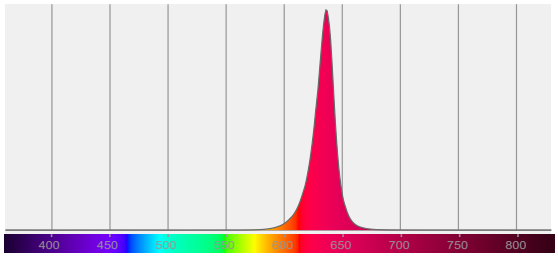
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

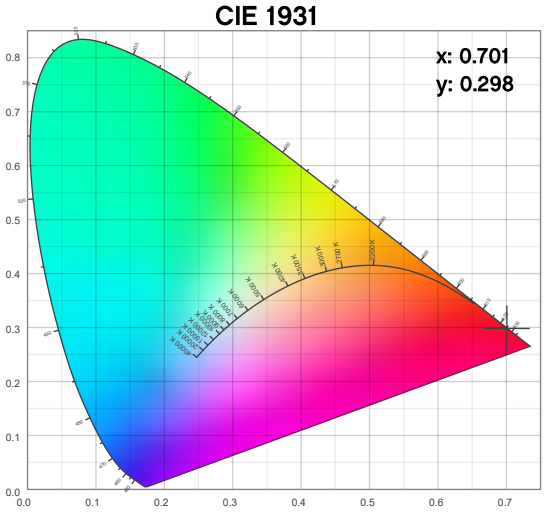
**Angular Beam Distribution**




**Spectral Distribution**



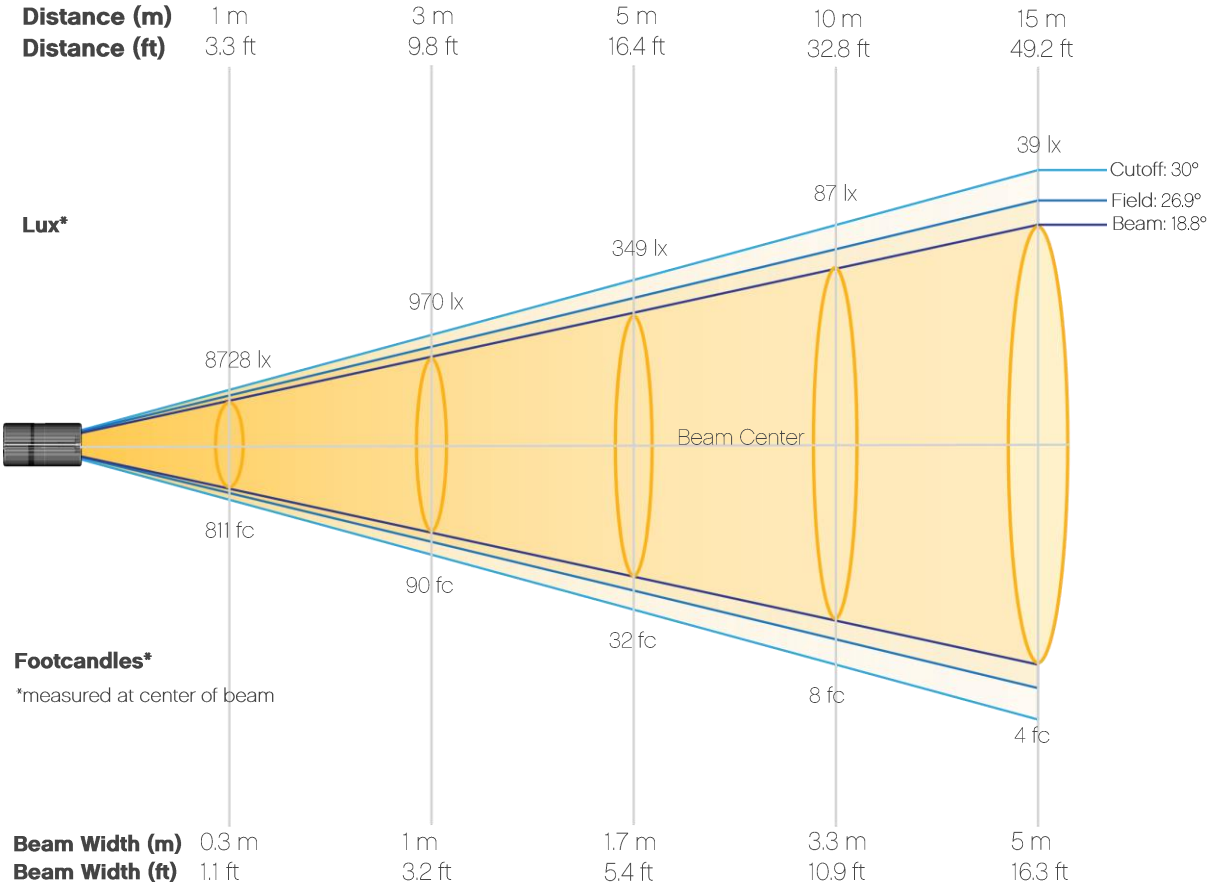

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Red Only

## Beam Details



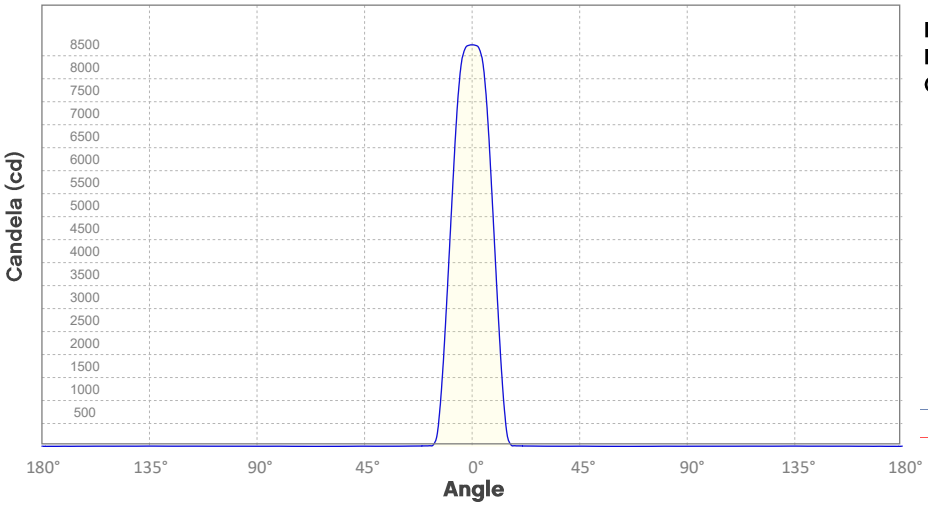

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 8728 | 2182 | 970 | 545 | 349 | 242 | 178 | 136 | 108 | 87 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 72 | 61 | 52 | 45 | 39 | 34 | 30 | 27 | 24 | 22 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 811 | 203 | 90 | 51 | 32 | 23 | 17 | 13 | 10 | 8 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 7 | 6 | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Red Only

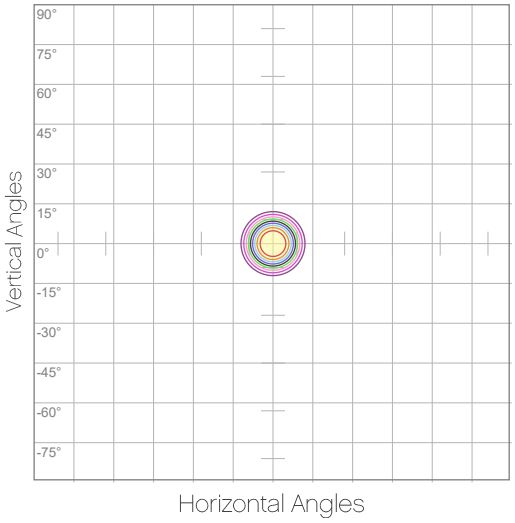
### Candela Plot




**Beam Angle (50%): 18.8°**
**Field Angle (10%): 26.9°**
**Cutoff Angle (3%): 30°**

**Horizontal Distribution**
**Vertical Distribution**

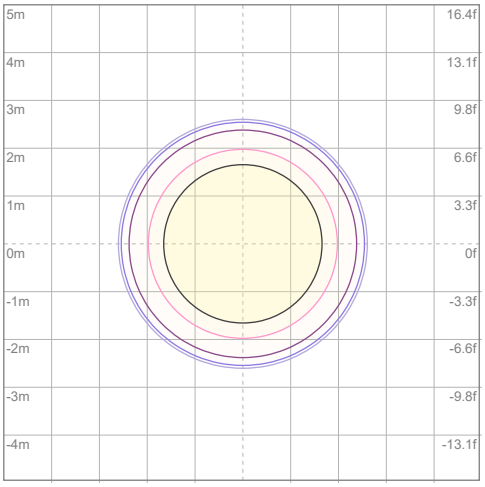
## Polar Diagrams




### iso-candela Diagram

| | | |
|---|---|---|
| | 10% | 873 cd |
| | 20% | 1746 cd |
| | 30% | 2618 cd |
| | 40% | 3491 cd |
| | 50% | 4364 cd |
| | 60% | 5237 cd |
| | 70% | 6109 cd |
| | 80% | 6982 cd |
| | 90% | 7855 cd |

Conditions:
Number of c-planes: 2
Candela at center: 8728 cd




### iso-illuminance Diagram

| | | |
|---|---|---|
| | 3% | 2.62 lx |
| | 5% | 4.36 lx |
| | 10% | 8.73 lx |
| | 30% | 26.2 lx |
| | 50% | 43.6 lx |

Conditions:
Number of c-planes: 2
Lux at center: 87.3 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Green Only

## Report Summary

### Output

Total Lumens: 1841 lm
Peak Intensity: 19339 cd
Illuminance @ 5m: 774 lux
Fixture Efficacy: 11 lm/W

### Optical

Horizontal Beam Angle (50%): 18.4°
Vertical Beam Angle (50%): 18.4°
Horizontal Field Angle (10%): 26.5°
Vertical Field Angle (10%): 26.5°
Horizontal Cutoff Angle (3%): 29.3°
Vertical Cutoff Angle (3%): 29.3°

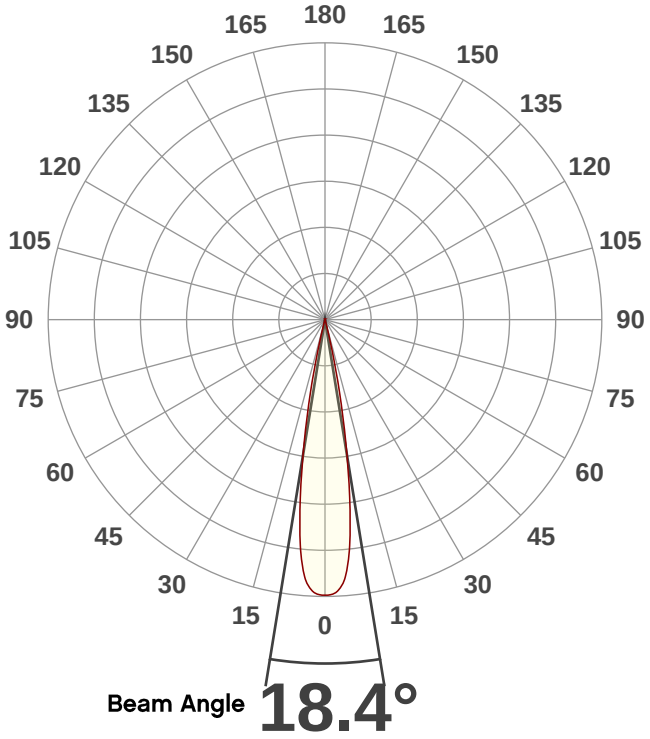
### Conditions

AC Supply: 117 V, 60 Hz
Power: 175.64 W
Current: 1.50 A
Power Factor: 0.98

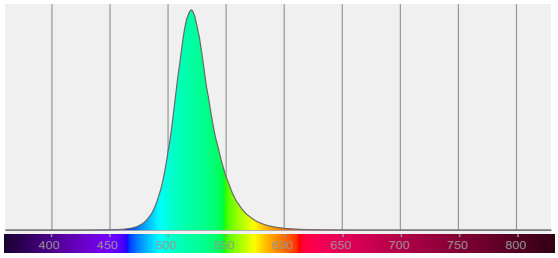
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

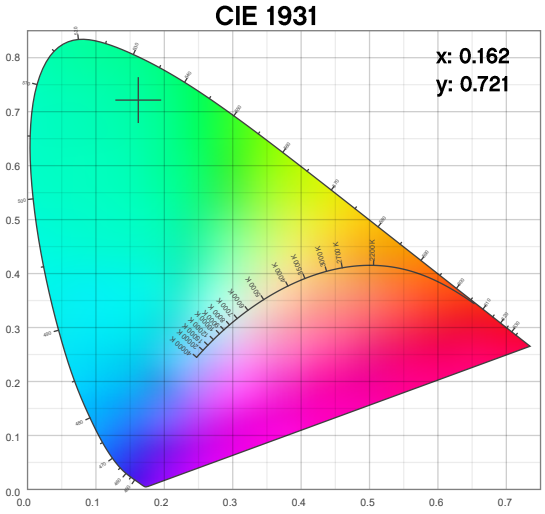
**Angular Beam Distribution**




**Spectral Distribution**



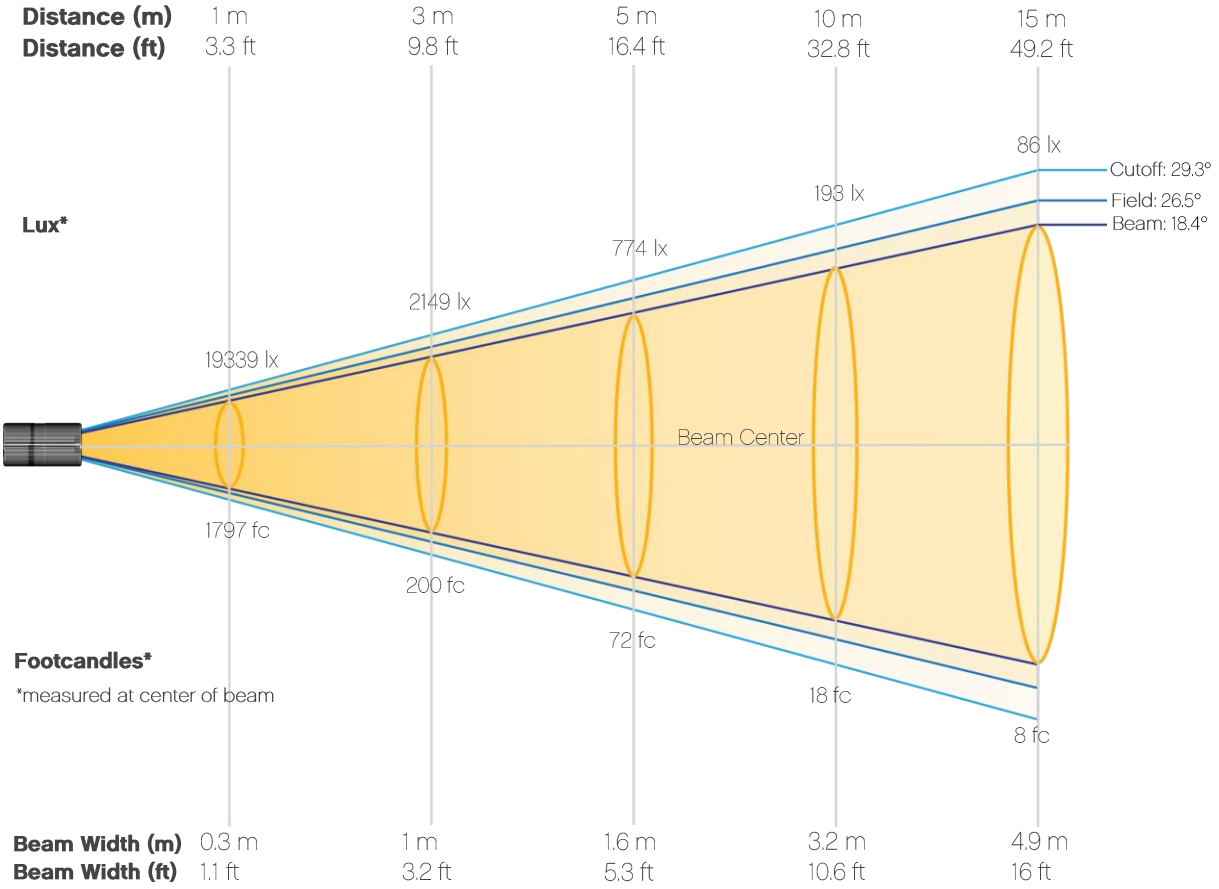

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Green Only

## Beam Details



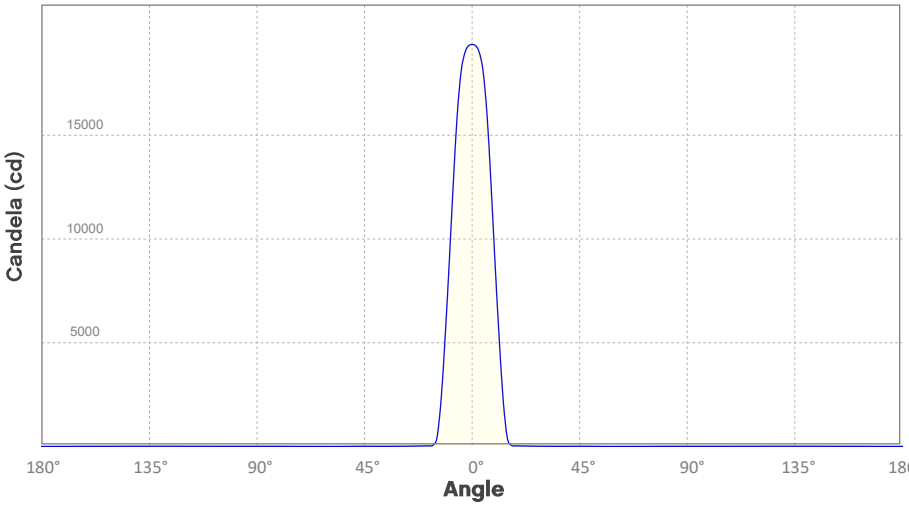

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 19339 | 4835 | 2149 | 1209 | 774 | 537 | 395 | 302 | 239 | 193 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 160 | 134 | 114 | 99 | 86 | 76 | 67 | 60 | 54 | 48 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 1797 | 449 | 200 | 112 | 72 | 50 | 37 | 28 | 22 | 18 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 15 | 12 | 11 | 9 | 8 | 7 | 6 | 6 | 5 | 4 |

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Green Only

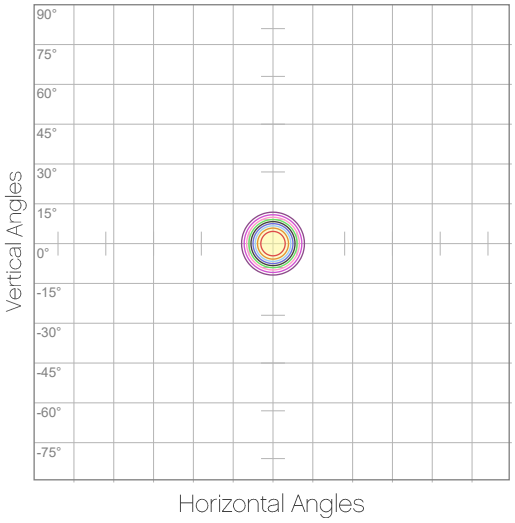
**Candela Plot**




**Beam Angle (50%): 18.4°**
**Field Angle (10%): 26.5°**
**Cutoff Angle (3%): 29.3°**

**Horizontal Distribution**
**Vertical Distribution**

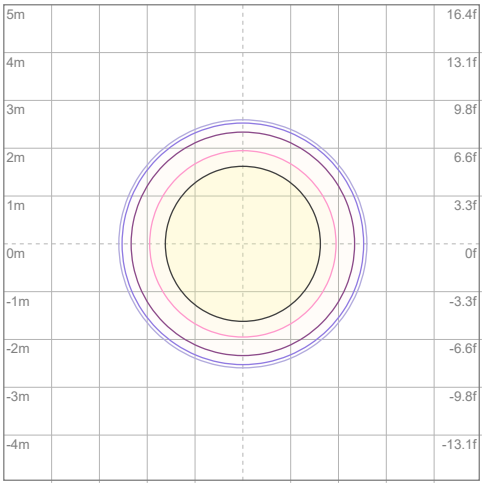
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 1934 cd |
| 20% | 3868 cd |
| 30% | 5802 cd |
| 40% | 7735 cd |
| 50% | 9669 cd |
| 60% | 11603 cd |
| 70% | 13537 cd |
| 80% | 15471 cd |
| 90% | 17405 cd |

Conditions:
Number of c-planes: 2
Candela at center: 19339 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 5.80 lx |
| 5% | 9.67 lx |
| 10% | 19.3 lx |
| 30% | 58.0 lx |
| 50% | 96.7 lx |

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

**Maverick Storm 1 Wash:** 50% Zoom, Blue Only

## Report Summary

### Output

Total Lumens: 516 lm
Peak Intensity: 5082 cd
Illuminance @ 5m: 203 lux
Fixture Efficacy: 3 lm/W

### Optical

Horizontal Beam Angle (50%): 18.3°
Vertical Beam Angle (50%): 18.3°
Horizontal Field Angle (10%): 26.2°
Vertical Field Angle (10%): 26.2°
Horizontal Cutoff Angle (3%): 29.4°
Vertical Cutoff Angle (3%): 29.4°

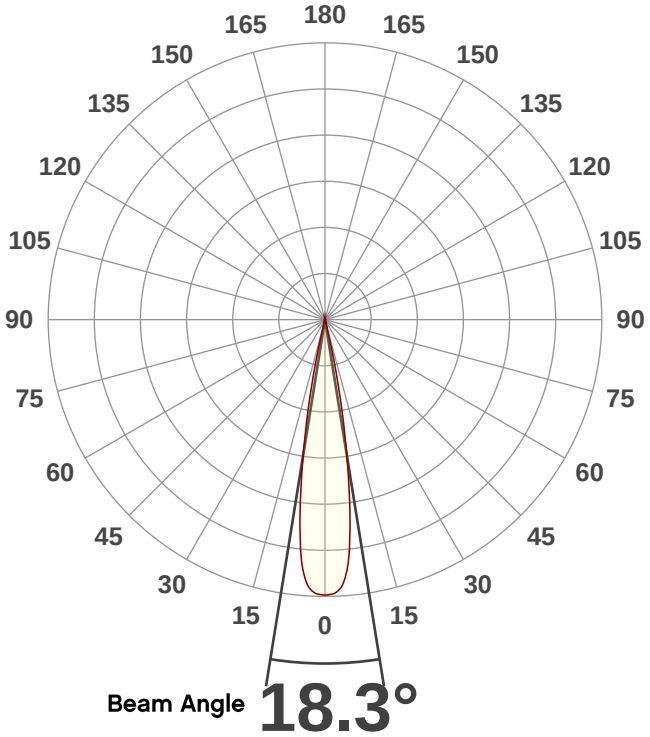
### Conditions

AC Supply: 117 V, 60 Hz
Power: 160.08 W
Current: 1.36 A
Power Factor: 0.98

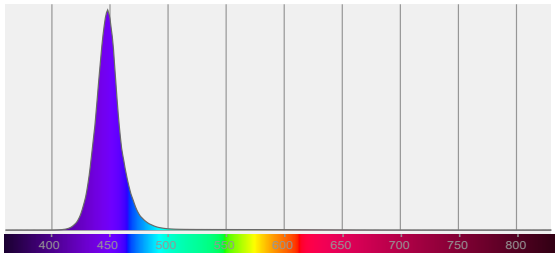
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

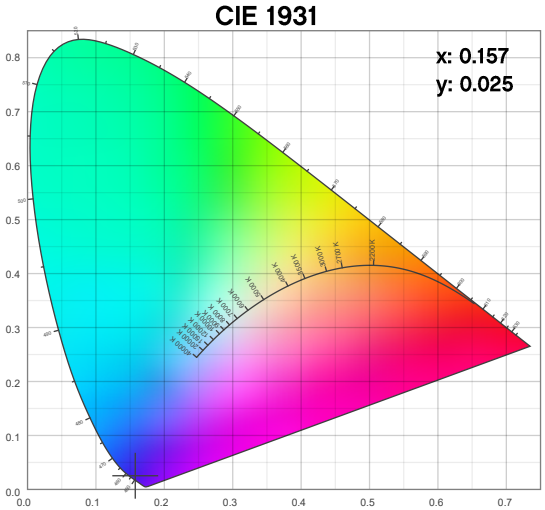
**Angular Beam Distribution**




**Spectral Distribution**



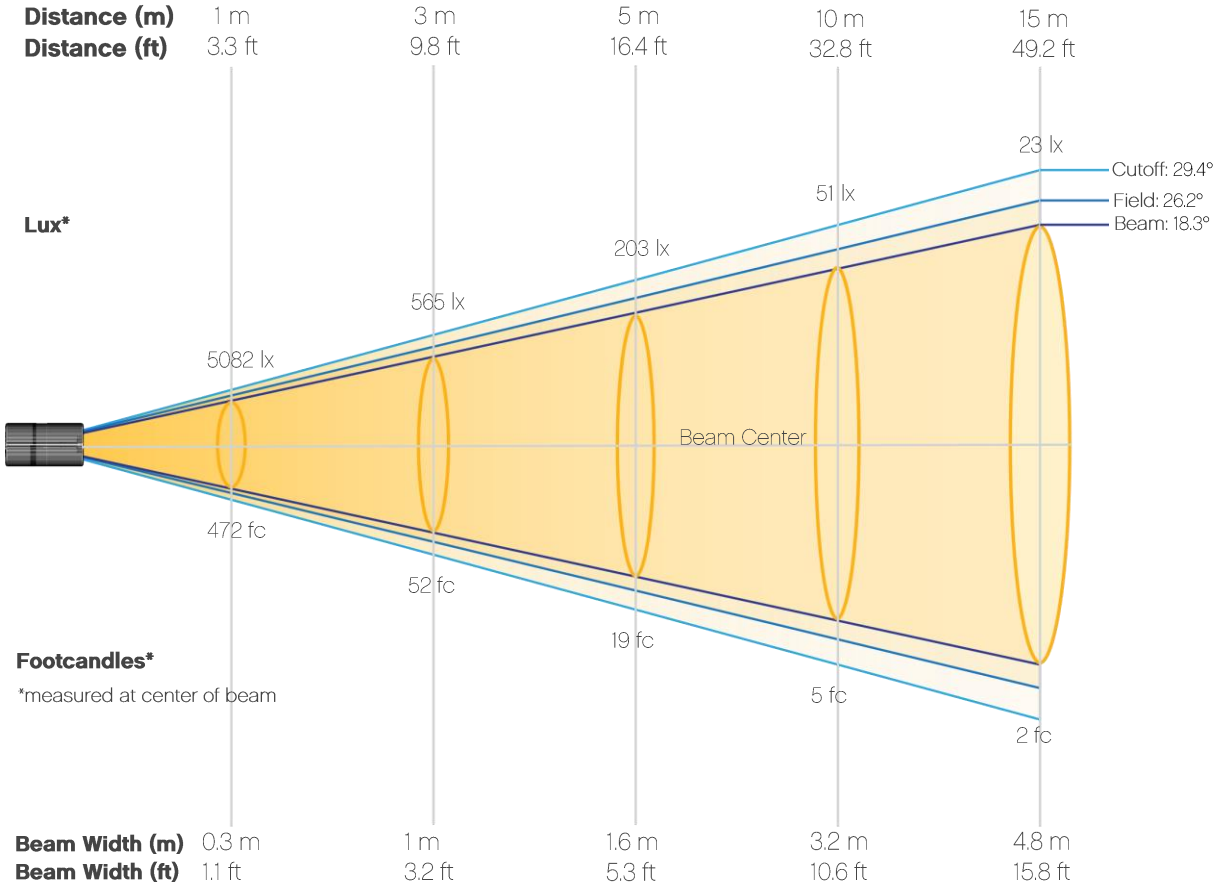

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Blue Only

## Beam Details



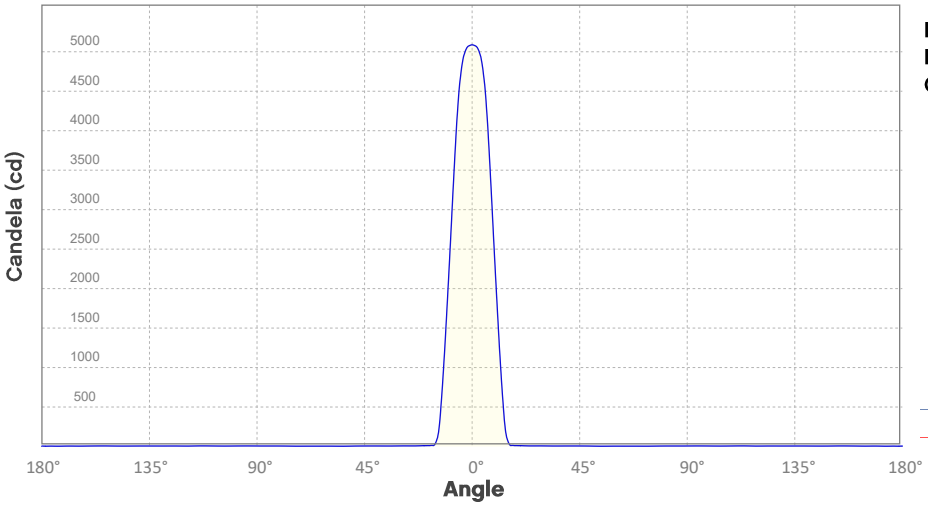

### Beam Iluminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 5082 | 1271 | 565 | 318 | 203 | 141 | 104 | 79 | 63 | 51 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 42 | 35 | 30 | 26 | 23 | 20 | 18 | 16 | 14 | 13 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 472 | 118 | 52 | 30 | 19 | 13 | 10 | 7 | 6 | 5 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, Blue Only

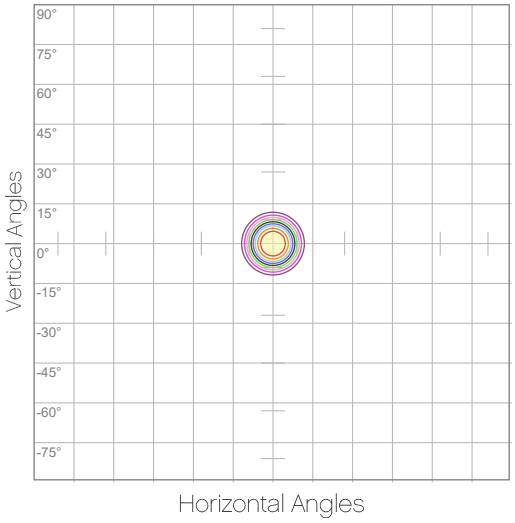
**Candela Plot**




**Beam Angle (50%): 18.3°**
**Field Angle (10%): 26.2°**
**Cutoff Angle (3%): 29.4°**

**Horizontal Distribution**
**Vertical Distribution**

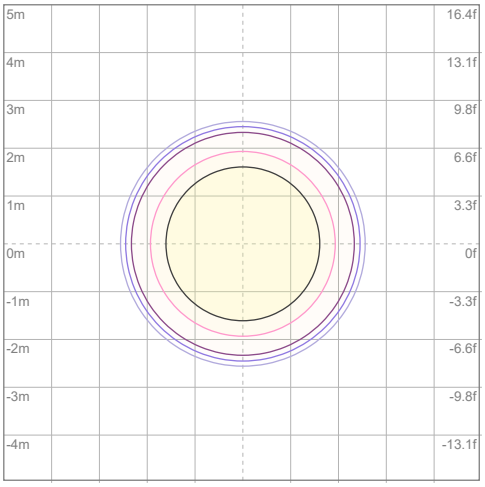
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 508 cd |
| 20% | 1016 cd |
| 30% | 1525 cd |
| 40% | 2033 cd |
| 50% | 2541 cd |
| 60% | 3049 cd |
| 70% | 3557 cd |
| 80% | 4066 cd |
| 90% | 4574 cd |

Conditions:
Number of c-planes: 2
Candela at center: 5082 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 1.52 lx |
| 5% | 2.54 lx |
| 10% | 5.08 lx |
| 30% | 15.2 lx |
| 50% | 25.4 lx |

Conditions:
Number of c-planes: 2
Lux at center: 50.8 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, White Only

## Report Summary

### Output

Total Lumens: 2697 lm
Peak Intensity: 26144 cd
Illuminance @ 5m: 1043 lux
Fixture Efficacy: 17 lm/W

### Optical

Horizontal Beam Angle (50%): 19.4°
Vertical Beam Angle (50%): 19.4°
Horizontal Field Angle (10%): 27°
Vertical Field Angle (10%): 27°
Horizontal Cutoff Angle (3%): 30°
Vertical Cutoff Angle (3%): 30°

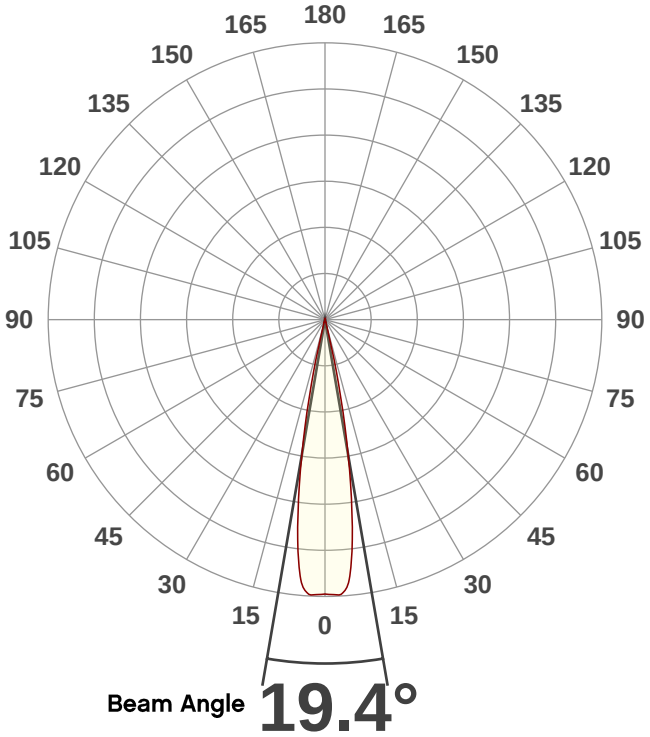
### Conditions

AC Supply: 118 V, 60 Hz
Power: 160.1 W
Current: 1.36 A
Power Factor: 0.98

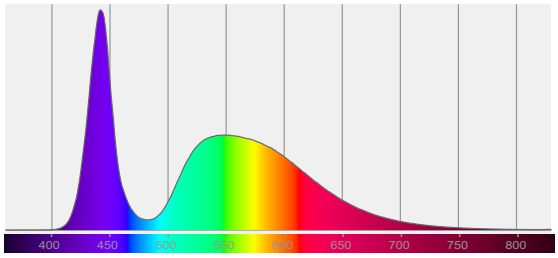
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

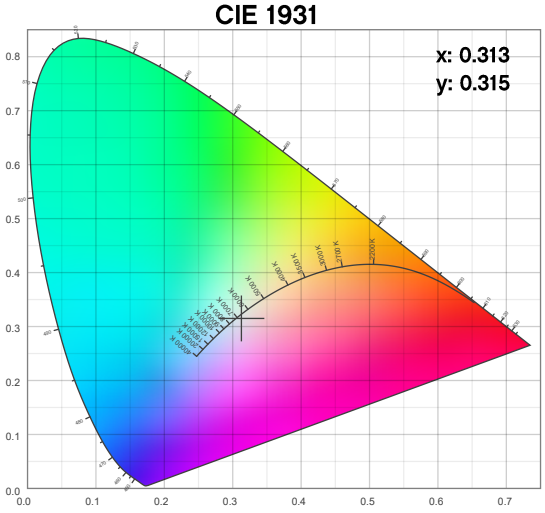
**Angular Beam Distribution**




**Spectral Distribution**



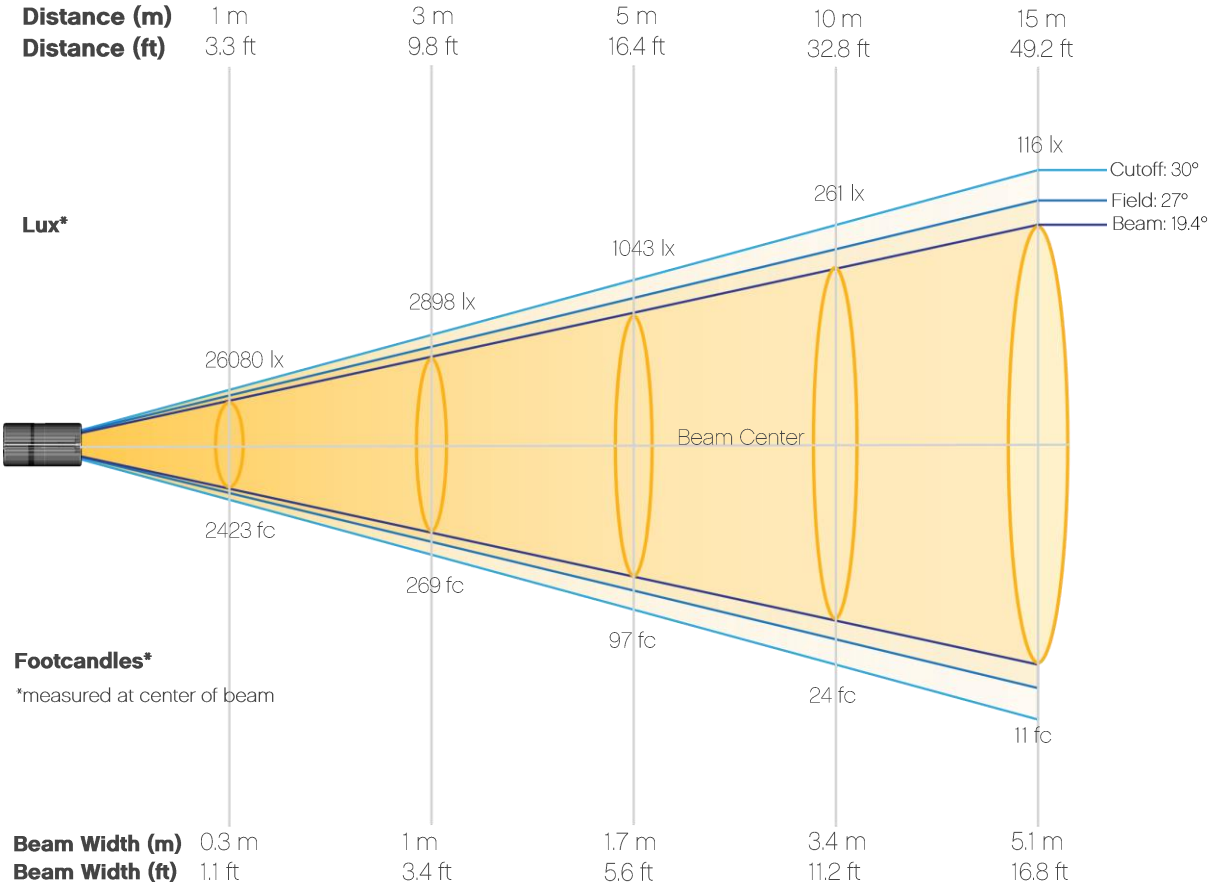

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, 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 | 26080 | 6520 | 2898 | 1630 | 1043 | 724 | 532 | 408 | 322 | 261 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 216 | 181 | 154 | 133 | 116 | 102 | 90 | 80 | 72 | 65 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 2423 | 606 | 269 | 151 | 97 | 67 | 49 | 38 | 30 | 24 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 20 | 17 | 14 | 12 | 11 | 9 | 8 | 7 | 7 | 6 |

# Photometric Report

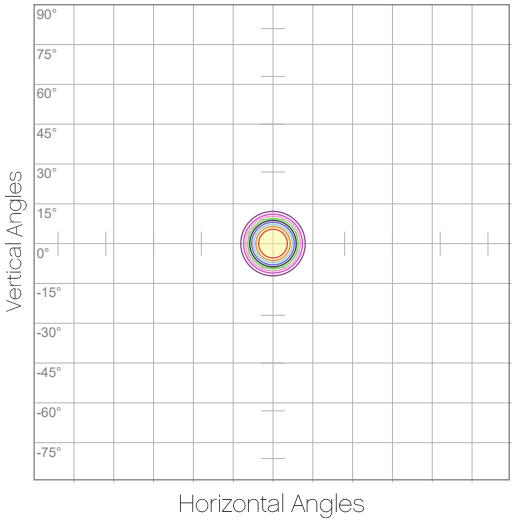
**Maverick Storm 1 Wash:** 50% Zoom, White Only

**Candela Plot**


**Beam Angle (50%): 19.4°**
**Field Angle (10%): 27°**
**Cutoff Angle (3%): 30°**

**Horizontal Distribution**
**Vertical Distribution**

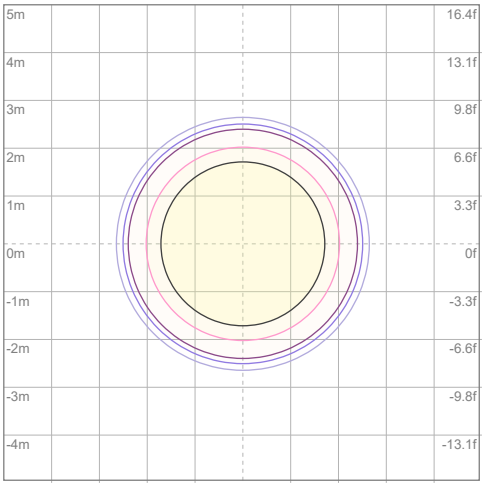
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 2608 cd |
| 20% | 5216 cd |
| 30% | 7824 cd |
| 40% | 10432 cd |
| 50% | 13040 cd |
| 60% | 15648 cd |
| 70% | 18256 cd |
| 80% | 20864 cd |
| 90% | 23472 cd |

Conditions:
Number of c-planes: 2
Candela at center: 26080 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 7.82 lx |
| 5% | 13.0 lx |
| 10% | 26.1 lx |
| 30% | 78.2 lx |
| 50% | 130 lx |

Conditions:
Number of c-planes: 2
Lux at center: 261 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, 7500K

## Report Summary

### Output

Total Lumens: 5117 lm
Peak Intensity: 51166 cd
Illuminance @ 5m: 2047 lux
Fixture Efficacy: 16 lm/W

### Optical

Horizontal Beam Angle (50%): 19°
Vertical Beam Angle (50%): 19°
Horizontal Field Angle (10%): 26.6°
Vertical Field Angle (10%): 26.6°
Horizontal Cutoff Angle (3%): 29.5°
Vertical Cutoff Angle (3%): 29.5°

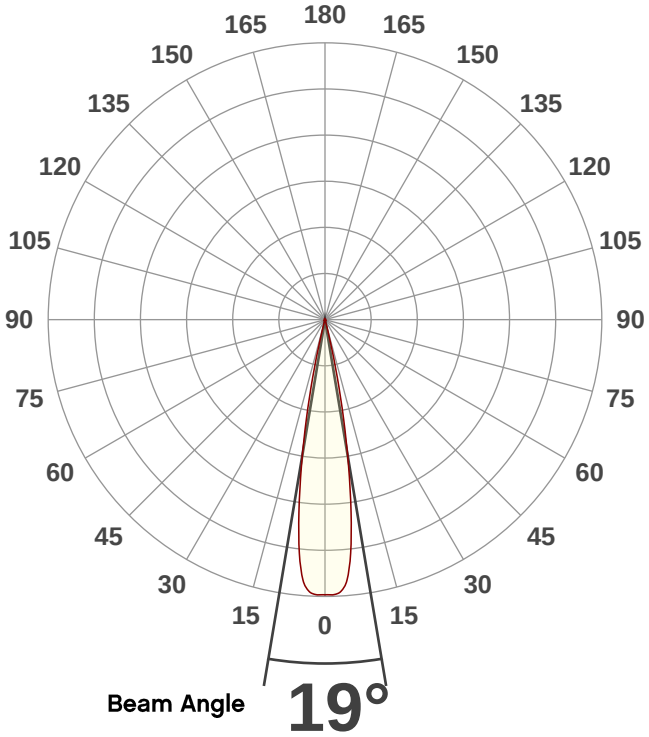
### Conditions

AC Supply: 117 V, 60 Hz
Power: 315.29 W
Current: 2.70 A
Power Factor: 0.99

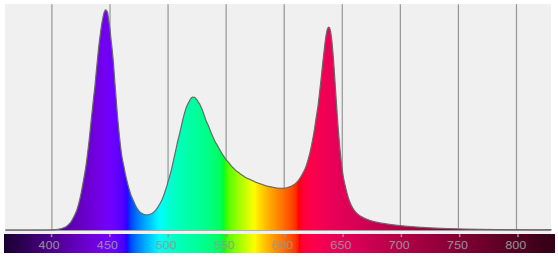
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 9/18/2019 to LM-63-2002 Standards.

## Overall Measurement

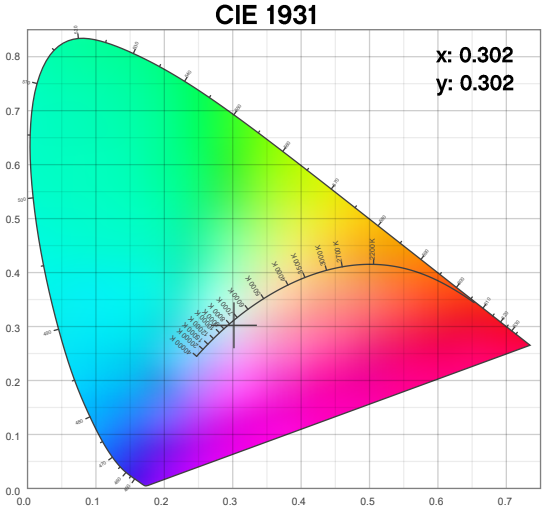
**Angular Beam Distribution**




**Spectral Distribution**



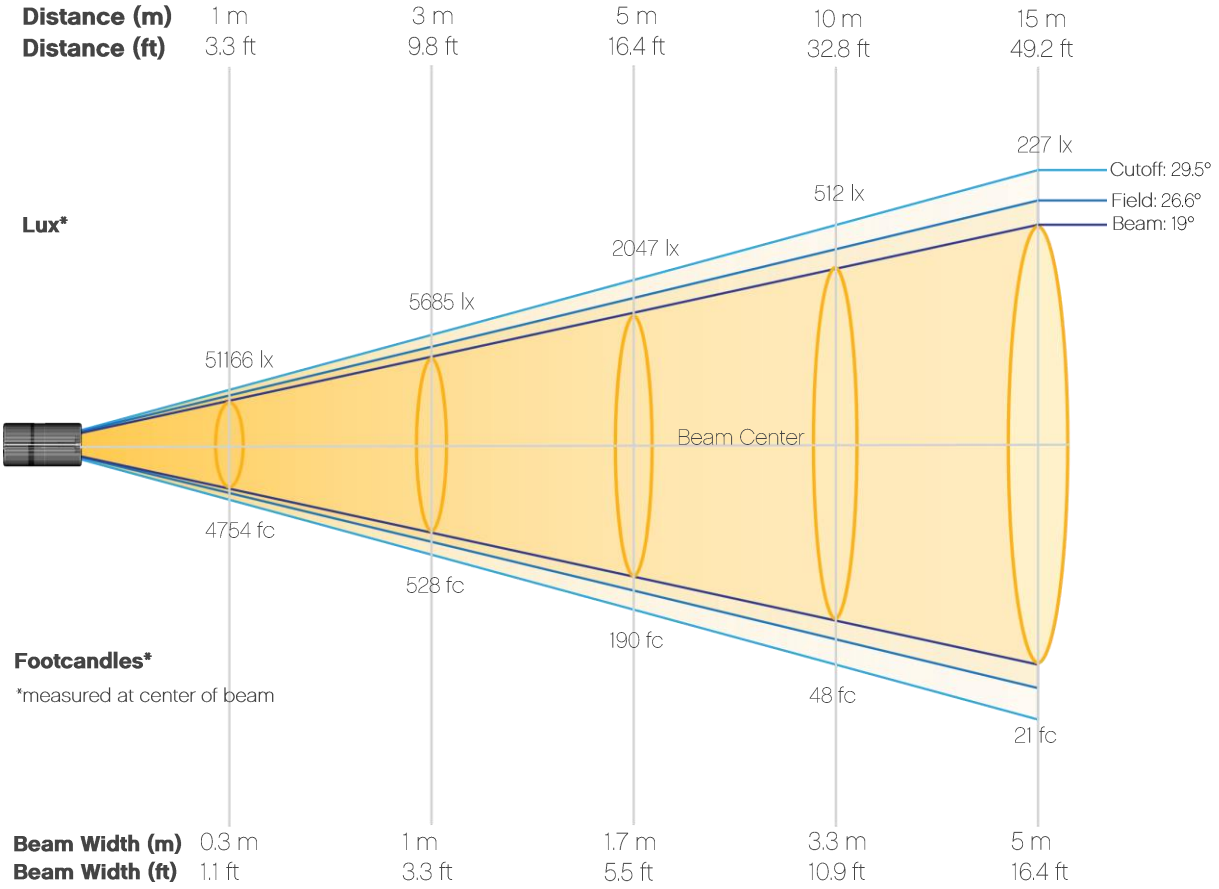

**CIE 1931**



# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, 7500K

## Beam Details



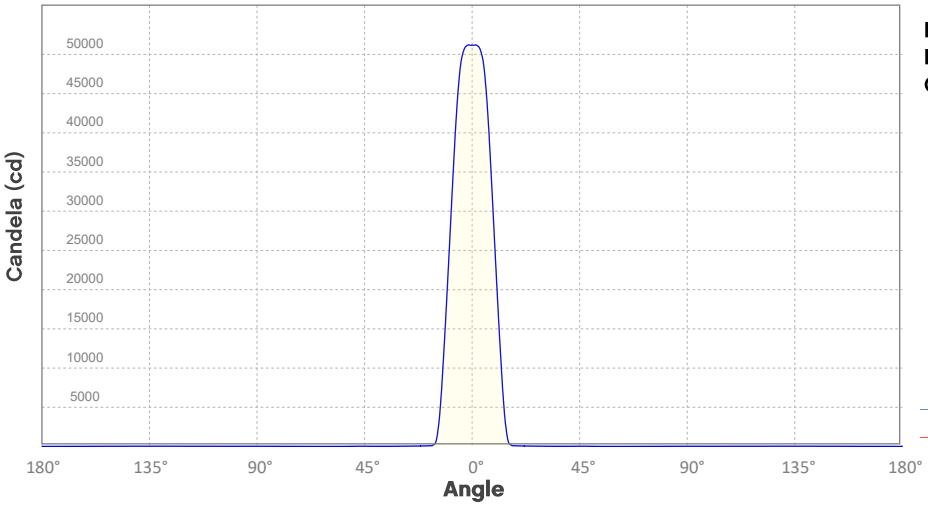

### Beam Illuminances from 1-20m (3.3-65.6ft)

| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|---|---|---|---|---|---|---|---|---|---|---|
| Lux | 51166 | 12792 | 5685 | 3198 | 2047 | 1421 | 1044 | 799 | 632 | 512 |
| **Distance** | **11m** | **12m** | **13m** | **14m** | **15m** | **16m** | **17m** | **18m** | **19m** | **20m** |
| Lux | 423 | 355 | 303 | 261 | 227 | 200 | 177 | 158 | 142 | 128 |
| **Distance** | **3.3ft** | **6.6ft** | **9.8ft** | **13.1ft** | **16.4ft** | **19.7ft** | **23ft** | **26.2ft** | **29.5ft** | **32.8ft** |
| FC | 4754 | 1188 | 528 | 297 | 190 | 132 | 97 | 74 | 59 | 48 |
| **Distance** | **36.1ft** | **39.4ft** | **42.7ft** | **45.9ft** | **49.2ft** | **52.5ft** | **55.8ft** | **59.1ft** | **62.3ft** | **65.6ft** |
| FC | 39 | 33 | 28 | 24 | 21 | 19 | 16 | 15 | 13 | 12 |

# Photometric Report

**Maverick Storm 1 Wash:** 50% Zoom, 7500K

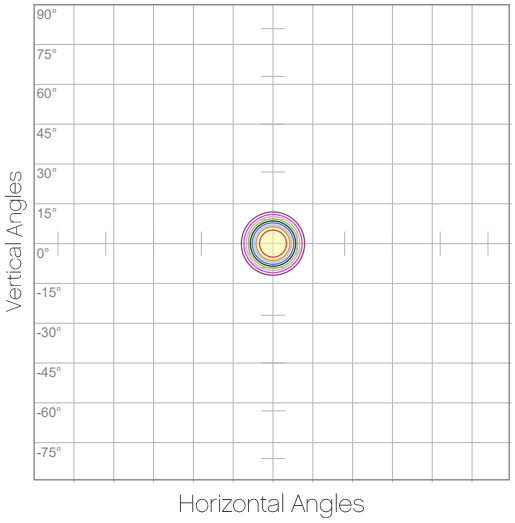
**Candela Plot**




**Beam Angle (50%): 19°**
**Field Angle (10%): 26.6°**
**Cutoff Angle (3%): 29.5°**

**Horizontal Distribution**
**Vertical Distribution**

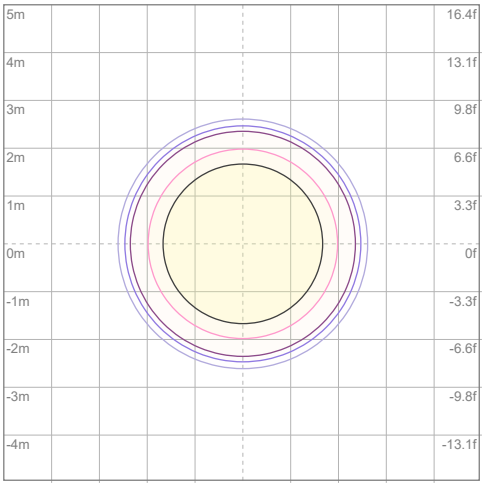
## Polar Diagrams




### iso-candela Diagram

| | |
|---|---|
| 10% | 5117 cd |
| 20% | 10233 cd |
| 30% | 15350 cd |
| 40% | 20467 cd |
| 50% | 25583 cd |
| 60% | 30700 cd |
| 70% | 35816 cd |
| 80% | 40933 cd |
| 90% | 46050 cd |

Conditions:
Number of c-planes: 2
Candela at center: 51166 cd




### iso-illuminance Diagram

| | |
|---|---|
| 3% | 15.3 lx |
| 5% | 25.6 lx |
| 10% | 51.2 lx |
| 30% | 153 lx |
| 50% | 256 lx |

Conditions:
Number of c-planes: 2
Lux at center: 512 lx

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

Mounting height: 10 meters / 33 feet

## Contact Us

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

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.