

Focus Wash 400



Light Efficiency:



Light Quality:



Color Temperature:



Output: 2472 lm

Peak: 5695 cd

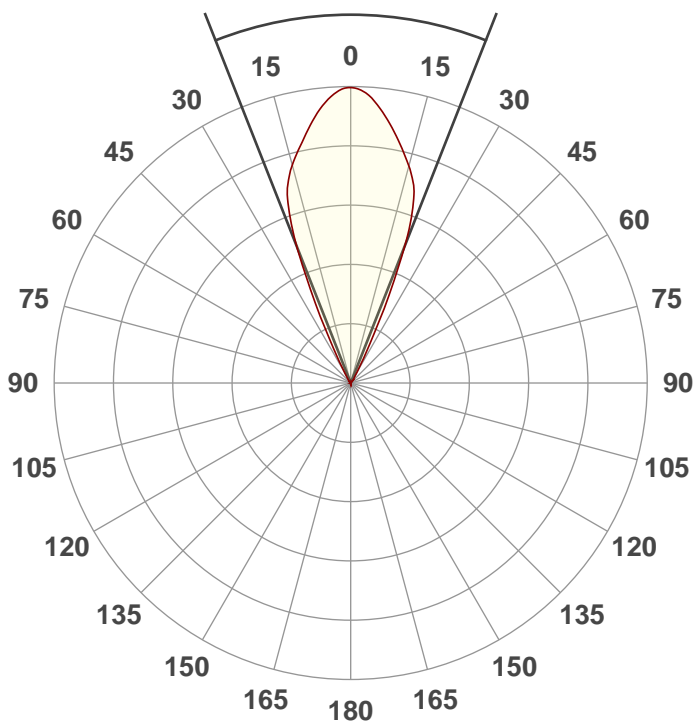
Power: 142.3 W

PF: 0.98



Beam Angle

43.1°



Test:

Zoom Out Amber

Date:

6/22/2021

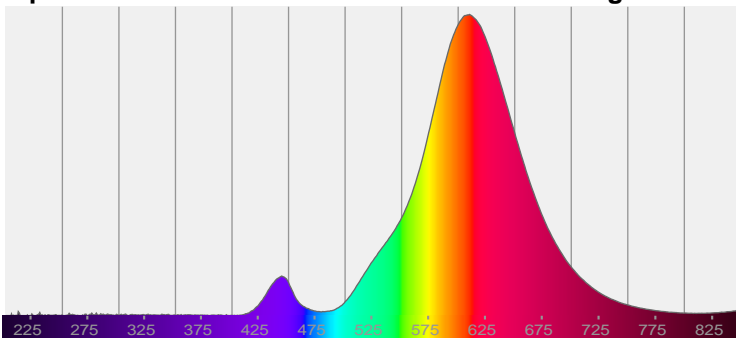
Note:



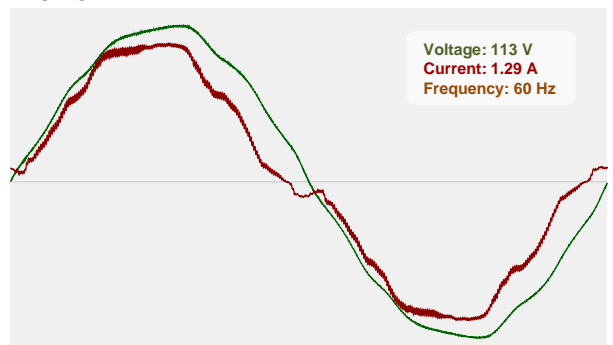
CIE 1931
x: 0.533
y: 0.411

Spectra

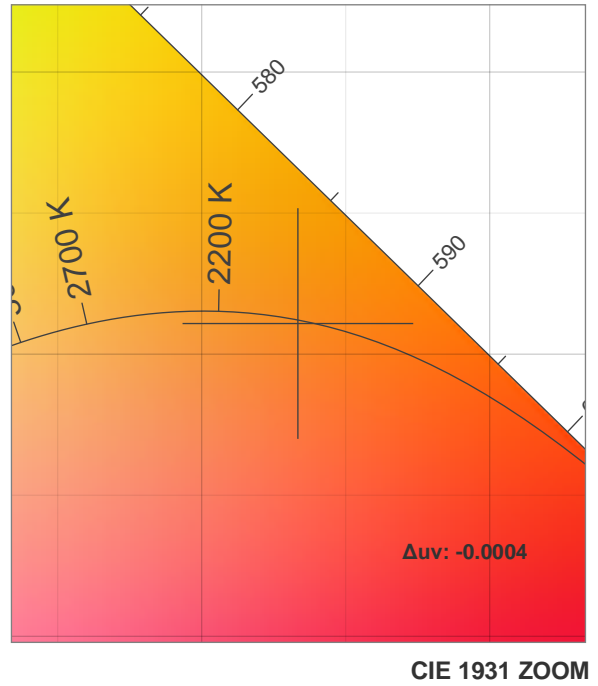
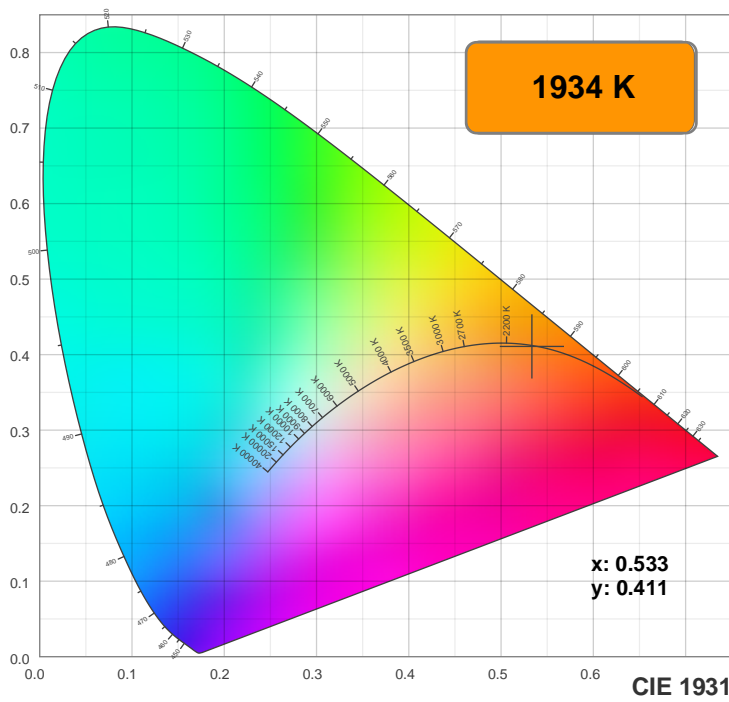
Dominant Wavelength: 590nm



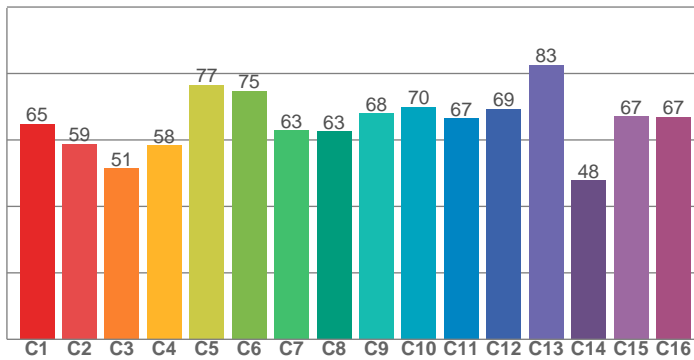
Power



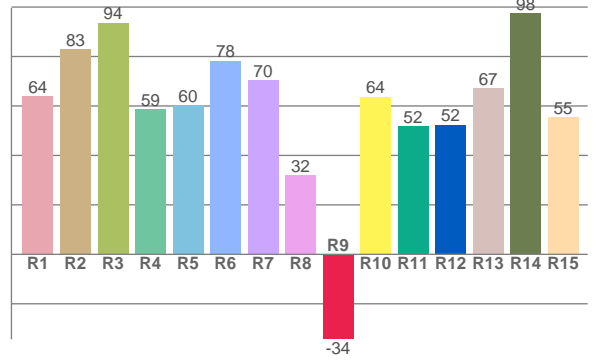
Color Details



TM30: 66.0



CRI: 67.5 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 63.8 | 82.9 | 93.6 | 58.6 | 60.3 | 78.3 | 70.2 | 31.9 | -34.4 | 63.7 | 51.8 | 52.4 | 67.0 | 97.6 | 55.3 |

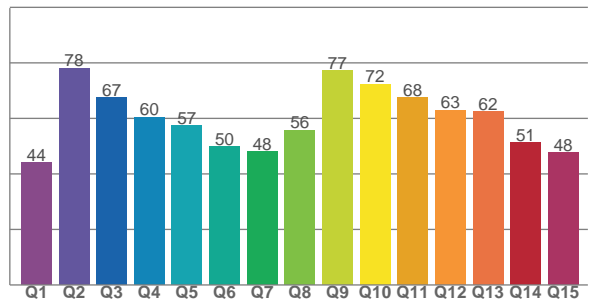
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 64.8 | 58.7 | 51.4 | 58.3 | 76.6 | 74.8 | 62.9 | 62.5 | 67.9 | 69.9 | 66.5 | 69.3 | 82.6 | 47.8 | 67.1 | 66.9 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 44.1 | 78.1 | 67.5 | 60.5 | 57.4 | 49.8 | 48.1 | 55.7 | 77.3 | 72.3 | 67.5 | 62.9 | 62.5 | 51.2 | 47.7 |

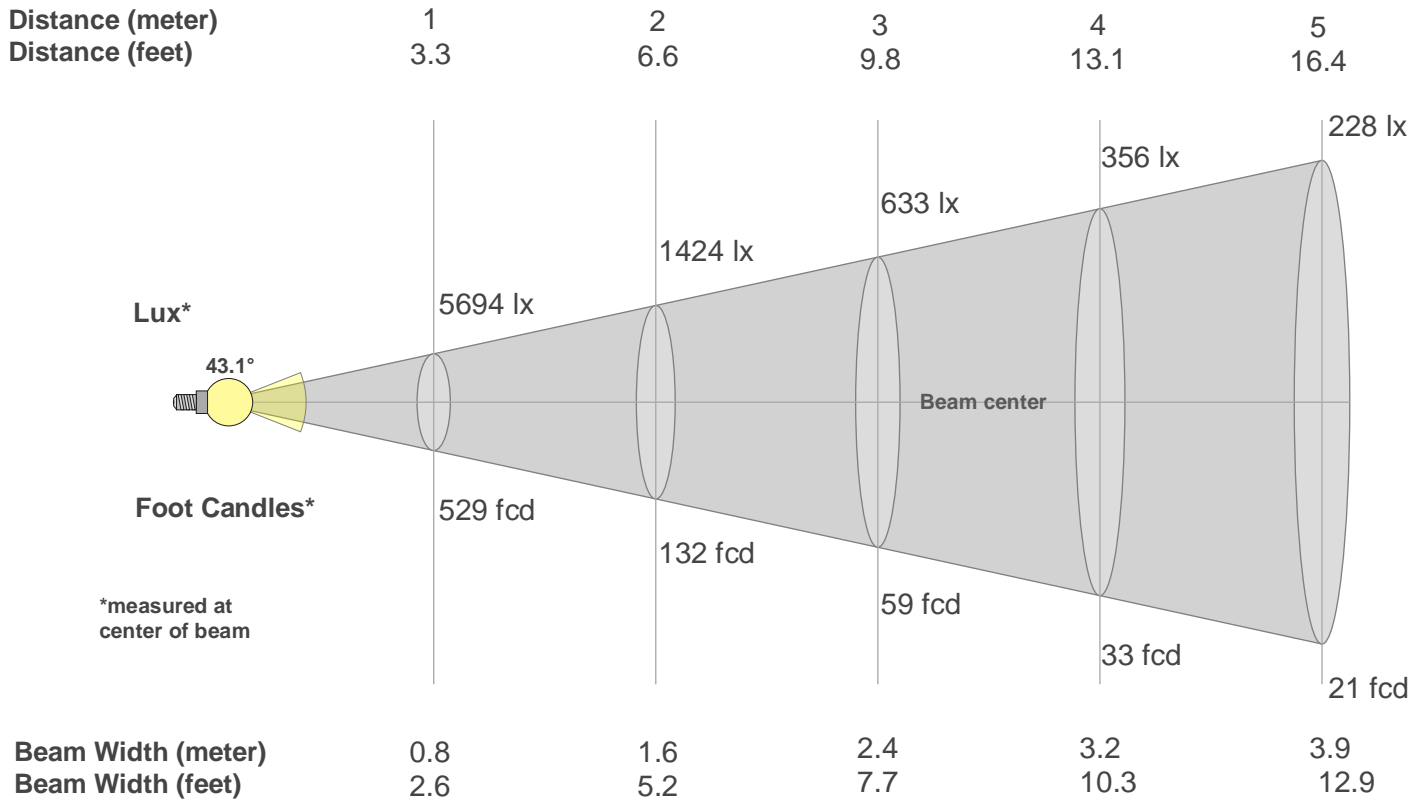
CQS: 58.0



Color Parameters

| Color Temperature | Color Rendering Index | Red Component | Color Fidelity | Color Gamut | Color Quality Scale | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 | Color Coordinate | Color Coordinate | Color Deviation from Black Body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 1934 K | 67.5 | -34.4 | 66.0 | 97.0 | 58.0 | 0.533 | 0.411 | 0.311 | 0.359 | -0.0004 |

Beam Details



Beam Intensities from 1-20m

| m | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-----|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ft | 3.3 | 6.6 | 9.8 | 13.1 | 16.4 | 19.7 | 23 | 26.2 | 29.5 | 32.8 | 36.1 | 39.4 | 42.7 | 45.9 | 49.2 | 52.5 | 55.8 | 59.1 | 62.3 | 65.6 |
| lx | 5694 | 1424 | 633 | 356 | 228 | 158 | 116 | 89 | 70 | 57 | 47 | 40 | 34 | 29 | 25 | 22 | 20 | 18 | 16 | 14 |
| fcd | 529 | 132.3 | 58.8 | 33.1 | 21.2 | 14.7 | 10.8 | 8.3 | 6.5 | 5.3 | 4.4 | 3.7 | 3.1 | 2.7 | 2.4 | 2.1 | 1.8 | 1.6 | 1.5 | 1.3 |

Intensities in 0° C-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 5694 | 5660 | 5543 | 5364 | 5147 | 4915 | 4684 | 4471 | 4236 | 3919 | 3390 | 2616 | 1647 | 899 | 478 | 260 | 162 | 116 | 90 | 73 |
| 100% | 99% | 97% | 94% | 90% | 86% | 82% | 79% | 74% | 69% | 60% | 46% | 29% | 16% | 8% | 5% | 3% | 2% | 2% | 1% |

Intensities in 90° C-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 5694 | 5660 | 5543 | 5364 | 5147 | 4915 | 4684 | 4471 | 4236 | 3919 | 3390 | 2616 | 1647 | 899 | 478 | 260 | 162 | 116 | 90 | 73 |
| 100% | 99% | 97% | 94% | 90% | 86% | 82% | 79% | 74% | 69% | 60% | 46% | 29% | 16% | 8% | 5% | 3% | 2% | 2% | 1% |

Intensities in 180° C-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 5694 | 5651 | 5535 | 5346 | 5131 | 4906 | 4678 | 4450 | 4224 | 3924 | 3397 | 2620 | 1688 | 876 | 481 | 271 | 171 | 123 | 98 | 78 |
| 100% | 99% | 97% | 94% | 90% | 86% | 82% | 78% | 74% | 69% | 60% | 46% | 30% | 15% | 8% | 5% | 3% | 2% | 2% | 1% |

Intensities in 270° C-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 5694 | 5651 | 5535 | 5346 | 5131 | 4906 | 4678 | 4450 | 4224 | 3924 | 3397 | 2620 | 1688 | 876 | 481 | 271 | 171 | 123 | 98 | 78 |
| 100% | 99% | 97% | 94% | 90% | 86% | 82% | 78% | 74% | 69% | 60% | 46% | 30% | 15% | 8% | 5% | 3% | 2% | 2% | 1% |

| Beam Angle 50% | Field Angle 10% | Cutoff Angle 2,5% | Intensity Ratio in 120° Cone | Intensity Ratio in 90° Cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 43.1° | 55° | 65.9° | 99.2% | 98.3% |