

UBL6H



Light Efficiency:

39 Lumen/Watt

Light Quality:

CRI: 65.5

Color Temperature:

8431 K

Output: 1042 lm

Peak: 10660 cd

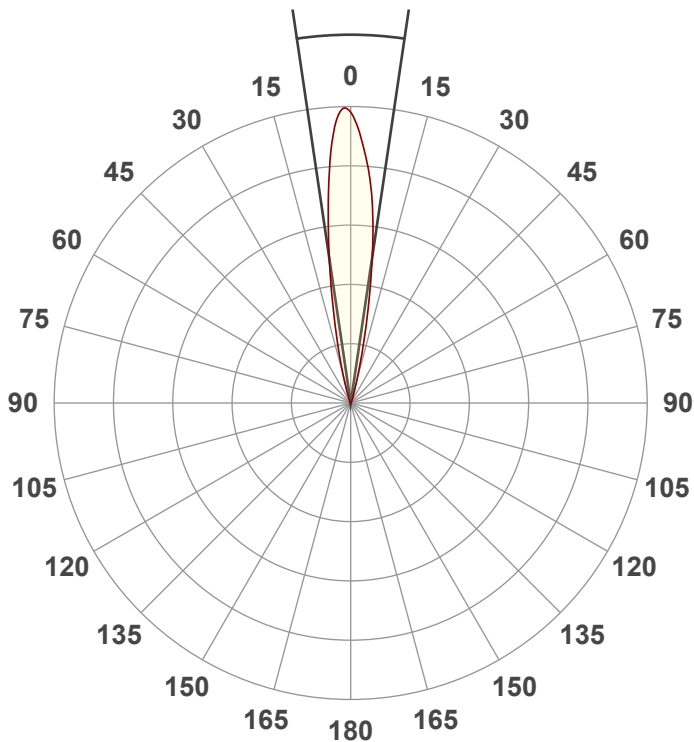
Power: 26.7 W

PF: 0.59



Beam Angle

16.8°



Test:

Full ON No UV

Date:

2/1/2024

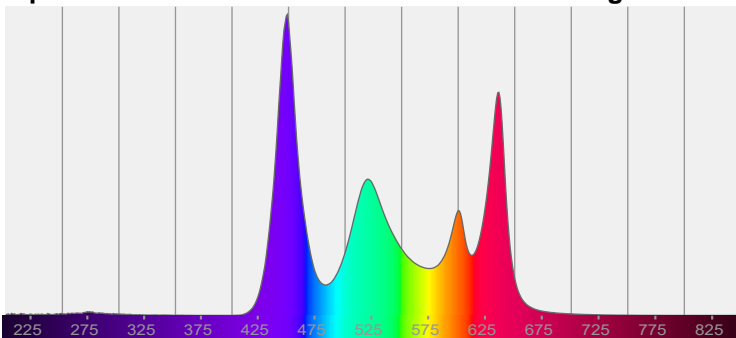
Note:



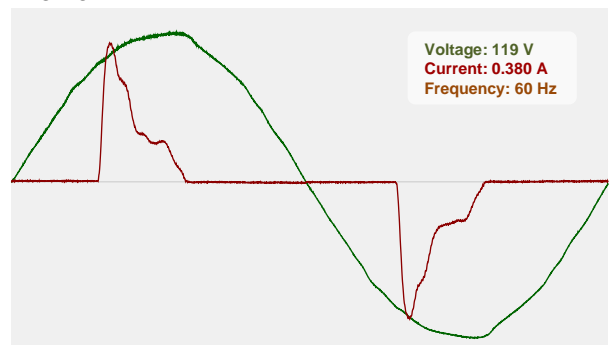
CIE 1931
x: 0.301
y: 0.275

Spectra

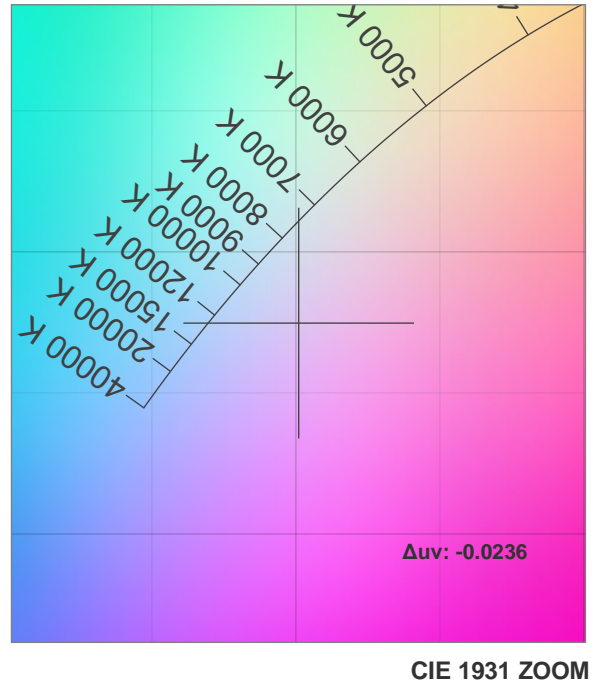
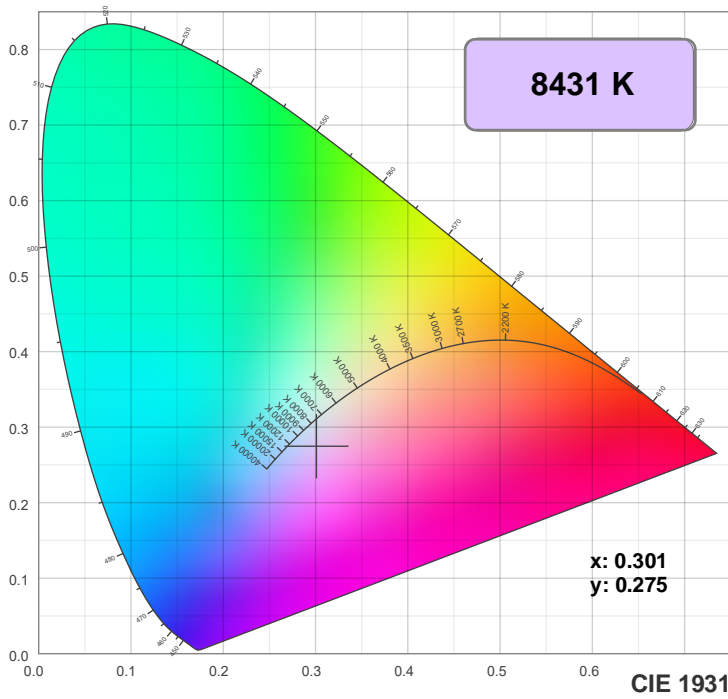
Dominant Wavelength: 360nm



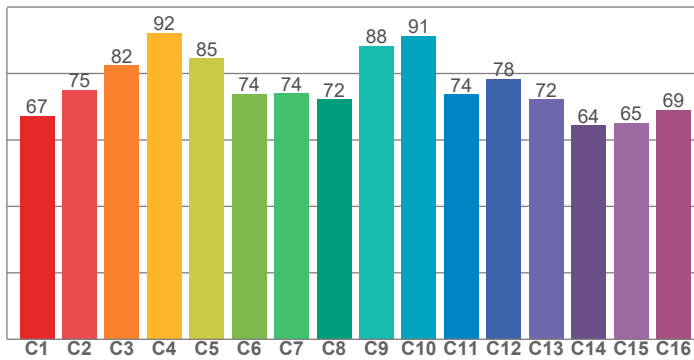
Power



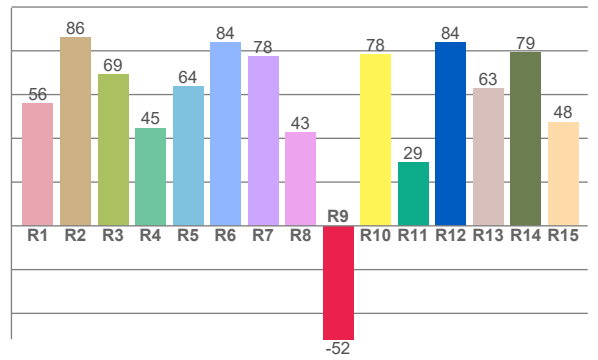
Color Details



TM30: 78.0



CRI: 65.5 (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 |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 56.0 | 86.3 | 69.2 | 44.8 | 63.8 | 83.8 | 77.6 | 42.8 | -51.8 | 78.5 | 28.9 | 83.7 | 62.9 | 79.4 | 47.5 |

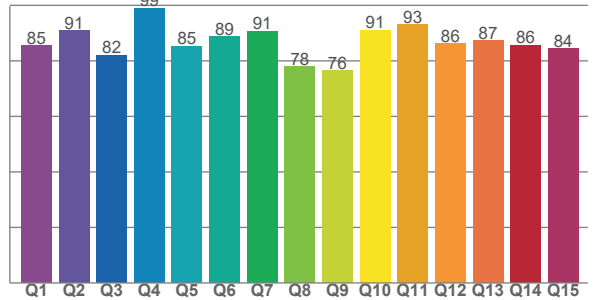
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 67.3 | 75.1 | 82.4 | 92.3 | 84.6 | 73.8 | 73.9 | 72.1 | 88.3 | 91.3 | 73.7 | 78.3 | 72.2 | 64.3 | 65.2 | 69.1 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 85.4 | 90.9 | 82.0 | 99.0 | 85.3 | 88.8 | 90.8 | 77.9 | 76.5 | 91.1 | 92.9 | 86.3 | 87.2 | 85.7 | 84.4 |

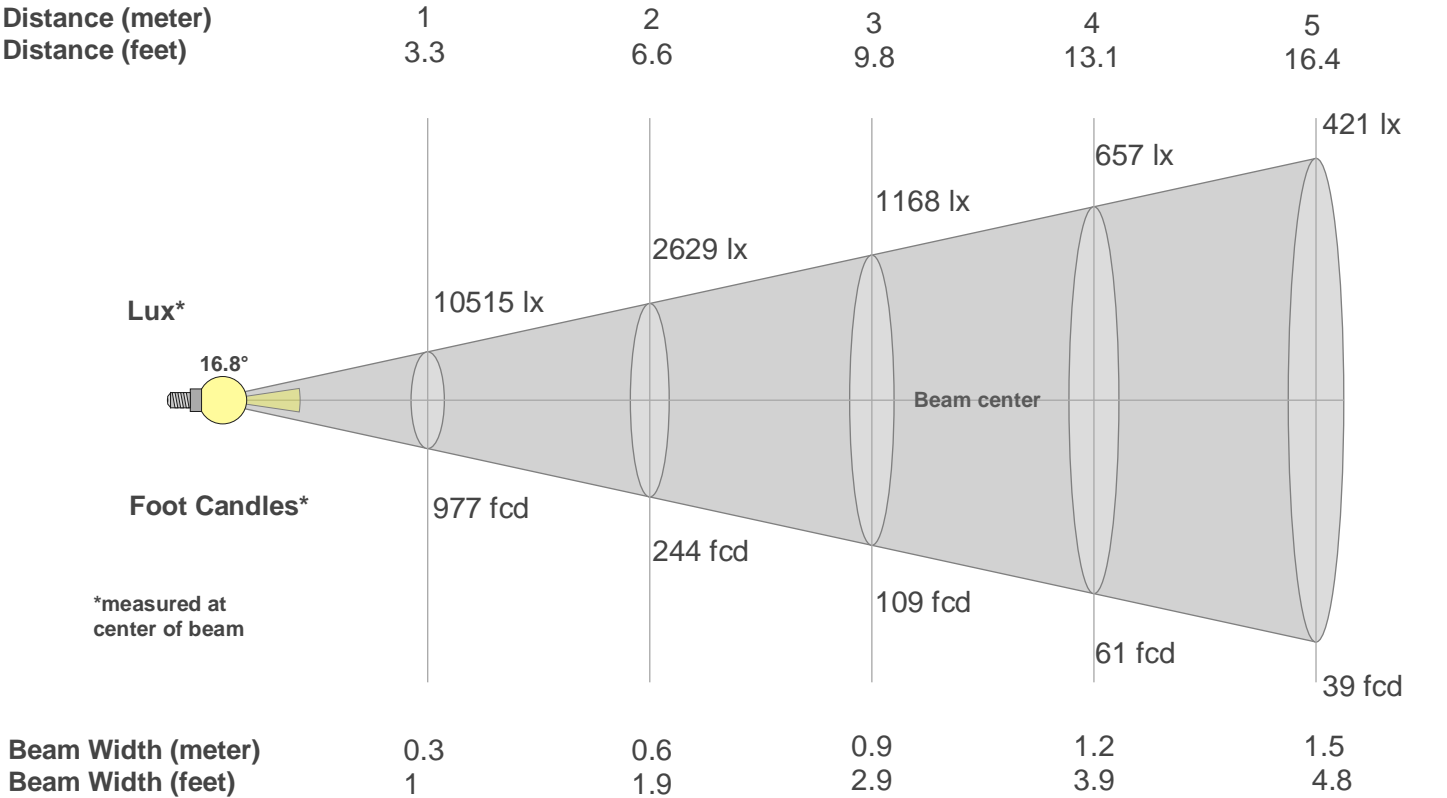
CQS: 85.8



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 |
| 8431 K | 65.5 | -51.8 | 78.0 | 120.1 | 85.8 | 0.301 | 0.275 | 0.211 | 0.289 | -0.0236 |

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 | 10515 | 2629 | 1168 | 657 | 421 | 292 | 215 | 164 | 130 | 105 | 87 | 73 | 62 | 54 | 47 | 41 | 36 | 32 | 29 | 26 |
| fcd | 976.9 | 244.2 | 108.5 | 61.1 | 39.1 | 27.1 | 19.9 | 15.3 | 12.1 | 9.8 | 8.1 | 6.8 | 5.8 | 5 | 4.3 | 3.8 | 3.4 | 3 | 2.7 | 2.4 |

| Intensities in 0° C-plane | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
| 10.5K | 10.6K | 10.5K | 10.2K | 9.5K | 8.6K | 7.7K | 6.7K | 5.7K | 4.8K | 3.9K | 3.1K | 2.4K | 1.9K | 1.5K | 1.1K | 0.8K | 0.6K | 0.4K | 0.3K |
| 100% | 101% | 100% | 97% | 90% | 82% | 73% | 63% | 54% | 45% | 37% | 30% | 23% | 18% | 14% | 10% | 8% | 6% | 4% | 3% |

| Intensities in 90° C-plane | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
| 10.5K | 10.6K | 10.5K | 10.2K | 9.5K | 8.6K | 7.7K | 6.7K | 5.7K | 4.8K | 3.9K | 3.1K | 2.4K | 1.9K | 1.5K | 1.1K | 0.8K | 0.6K | 0.4K | 0.3K |
| 100% | 101% | 100% | 97% | 90% | 82% | 73% | 63% | 54% | 45% | 37% | 30% | 23% | 18% | 14% | 10% | 8% | 6% | 4% | 3% |

| Intensities in 180° C-plane | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
| 10.5K | 10.1K | 9.7K | 9.2K | 8.6K | 8.1K | 7.4K | 6.6K | 5.7K | 4.8K | 3.9K | 3.1K | 2.3K | 1.7K | 1.3K | 0.9K | 0.7K | 0.5K | 0.4K | 0.3K |
| 100% | 97% | 92% | 87% | 82% | 77% | 70% | 63% | 54% | 45% | 37% | 29% | 22% | 17% | 12% | 8% | 6% | 5% | 4% | 3% |

| Intensities in 270° C-plane | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
| 10.5K | 10.1K | 9.7K | 9.2K | 8.6K | 8.1K | 7.4K | 6.6K | 5.7K | 4.8K | 3.9K | 3.1K | 2.3K | 1.7K | 1.3K | 0.9K | 0.7K | 0.5K | 0.4K | 0.3K |
| 100% | 97% | 92% | 87% | 82% | 77% | 70% | 63% | 54% | 45% | 37% | 29% | 22% | 17% | 12% | 8% | 6% | 5% | 4% | 3% |

| Beam Angle 50% | Field Angle 10% | Cutoff Angle 2,5% | Intensity Ratio in 120° Cone | Intensity Ratio in 90° Cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 16.8° | 29.6° | 39.5° | 100.0% | 99.9% |