

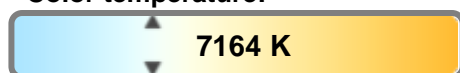
Light efficiency:



Light quality:



Color temperature:

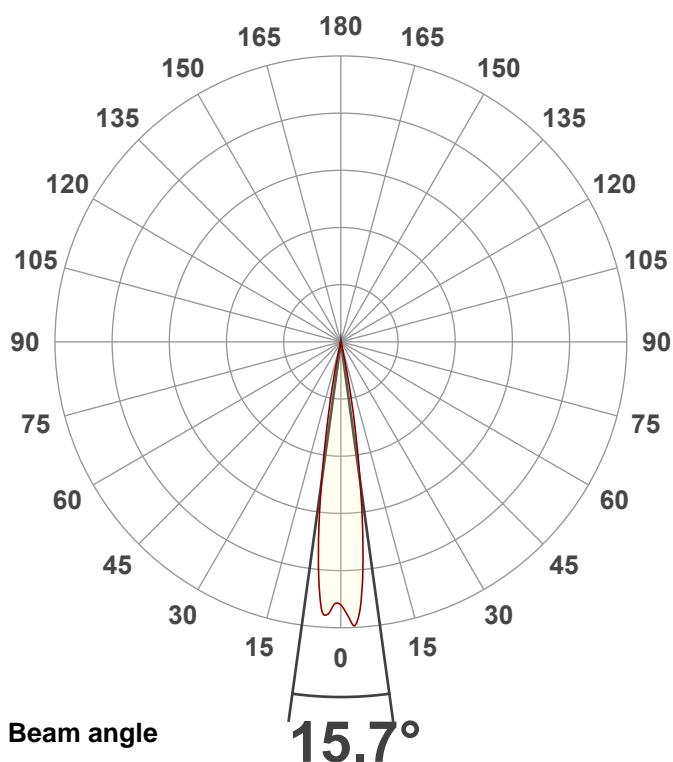


Output: 484 lm
Peak: 7274 cd
Power: 24.9 W
PF: 0.61



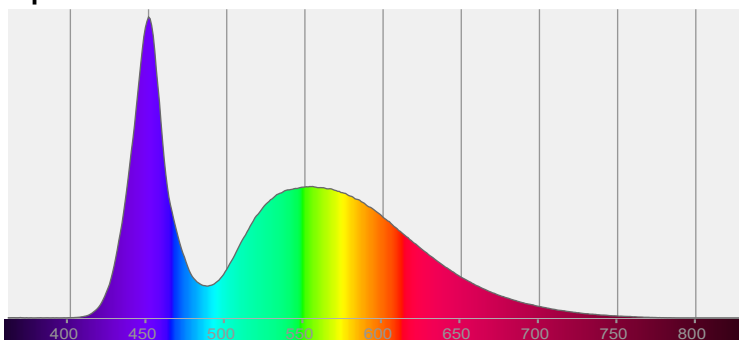
Product name:
Stealth Wash Zoom (Zoom 50% White)
Item number:

Date and time:
5/7/2019 4:47:14 PM

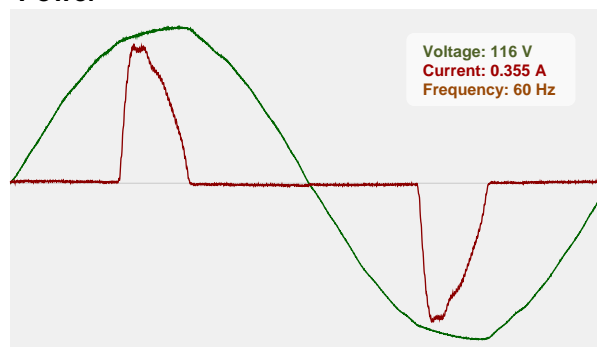


CIE 1931
x: 0.305
y: 0.312

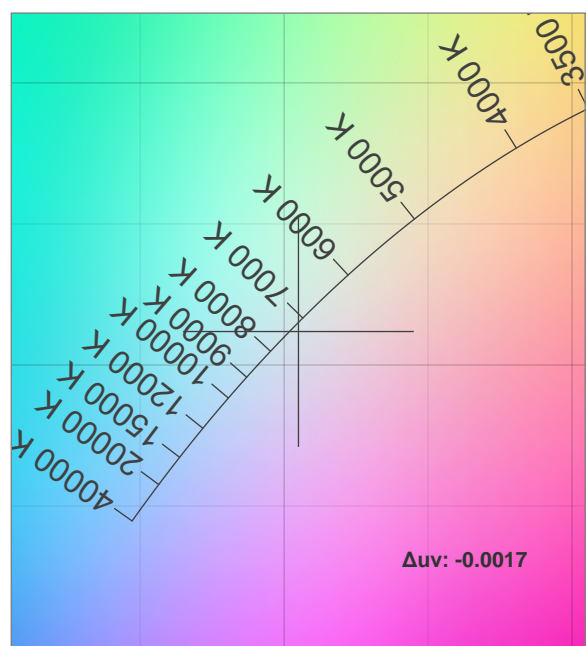
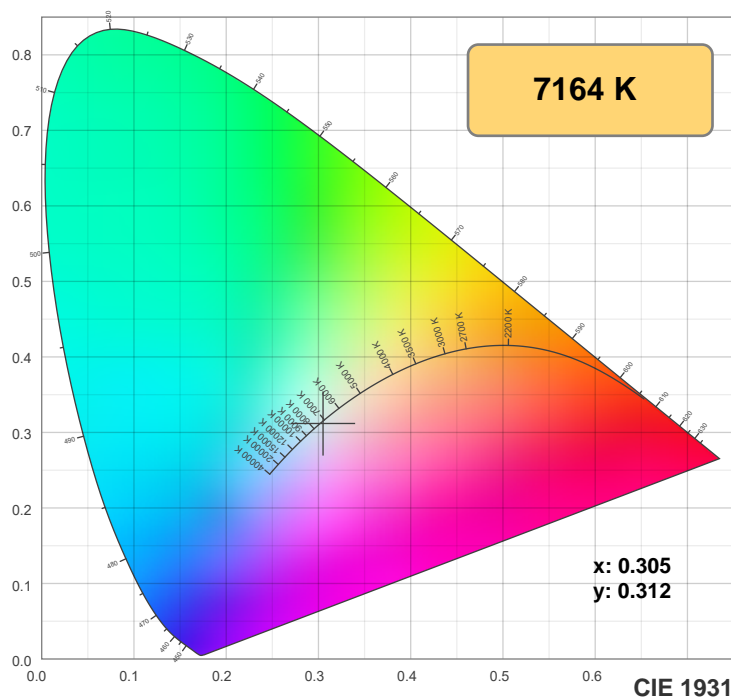
Spectra



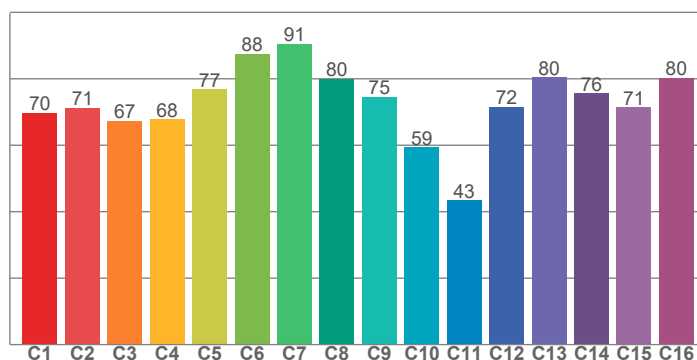
Power



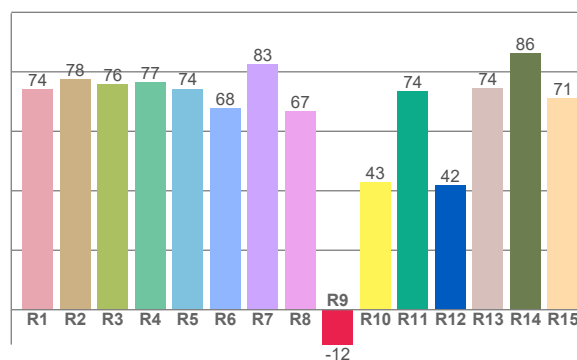
Color details



TM-30: 73.0



CRI: 74.4 (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 |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 74.1 | 77.5 | 75.9 | 76.6 | 74.3 | 67.6 | 82.6 | 66.7 | -11.7 | 42.9 | 73.6 | 41.9 | 74.4 | 86.2 | 71.2 |

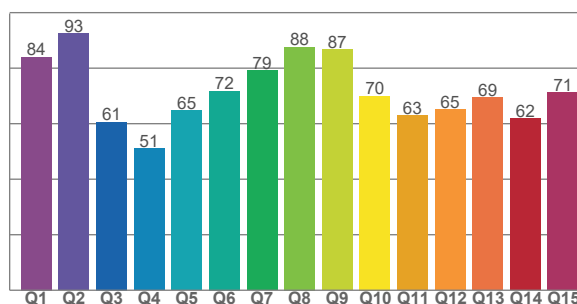
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 69.7 | 71.2 | 67.3 | 67.8 | 76.8 | 87.6 | 90.5 | 80.0 | 74.6 | 59.4 | 43.5 | 71.6 | 80.5 | 75.6 | 71.4 | 80.3 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 84.0 | 92.5 | 60.5 | 51.0 | 64.7 | 71.8 | 79.2 | 87.6 | 86.7 | 70.0 | 62.9 | 65.1 | 69.4 | 61.9 | 71.3 |

CQS: 69.7



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 |
| 7164 K | 74.4 | -11.7 | 73.0 | 94.2 | 69.7 | 0.305 | 0.312 | 0.199 | 0.305 | -0.0017 |

TM-30 details

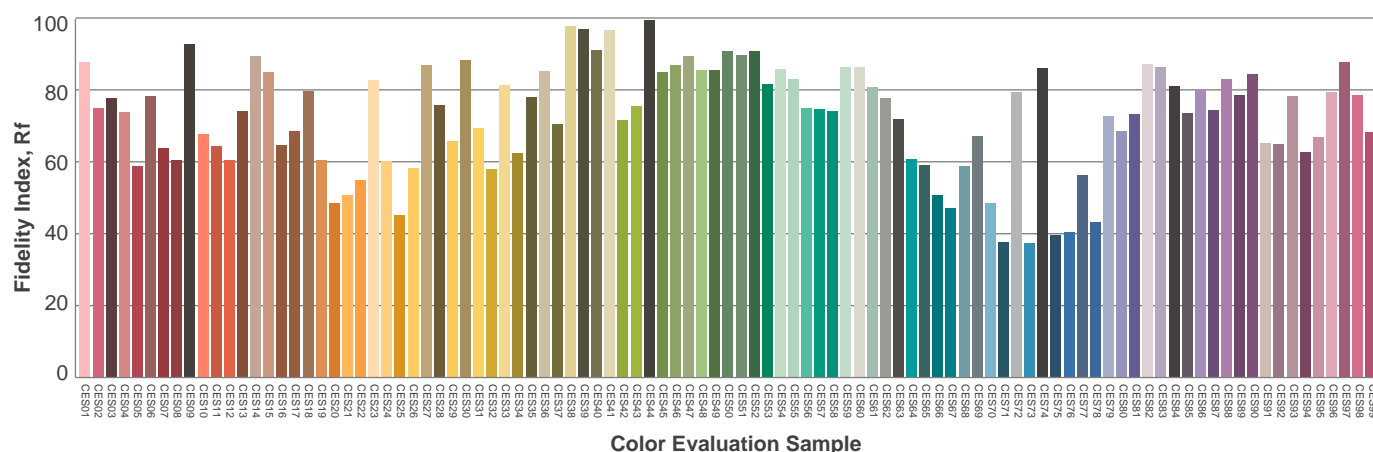
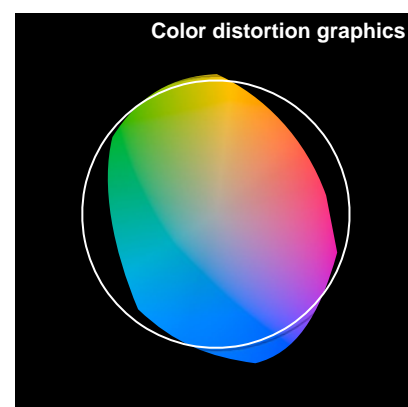
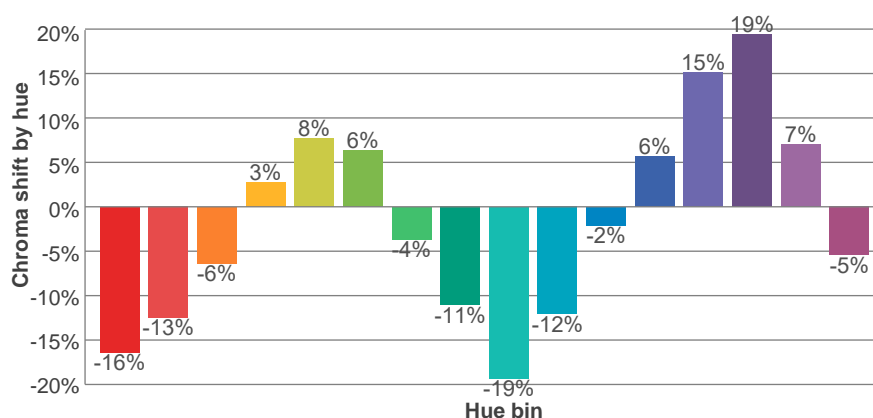
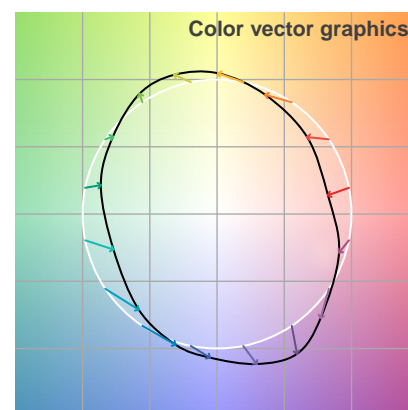
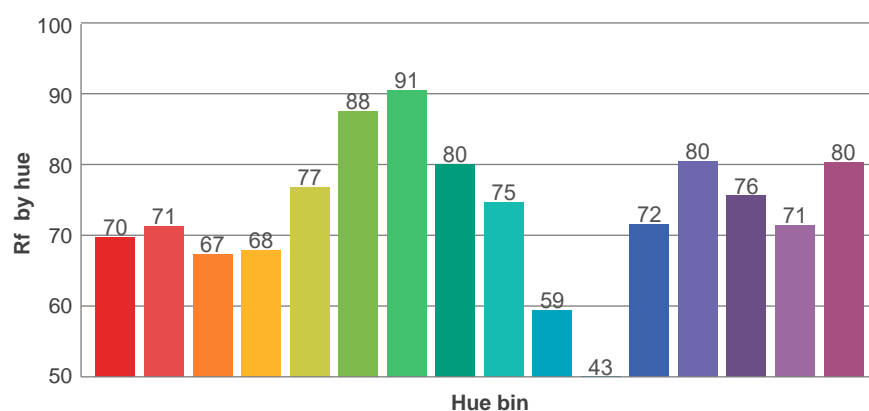
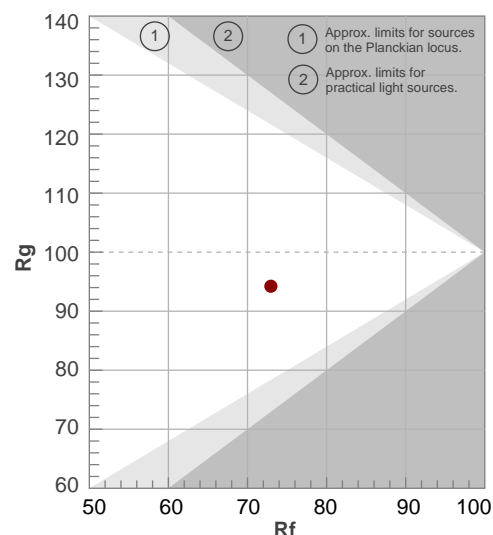
Rf 73.0

Fidelity index Rf

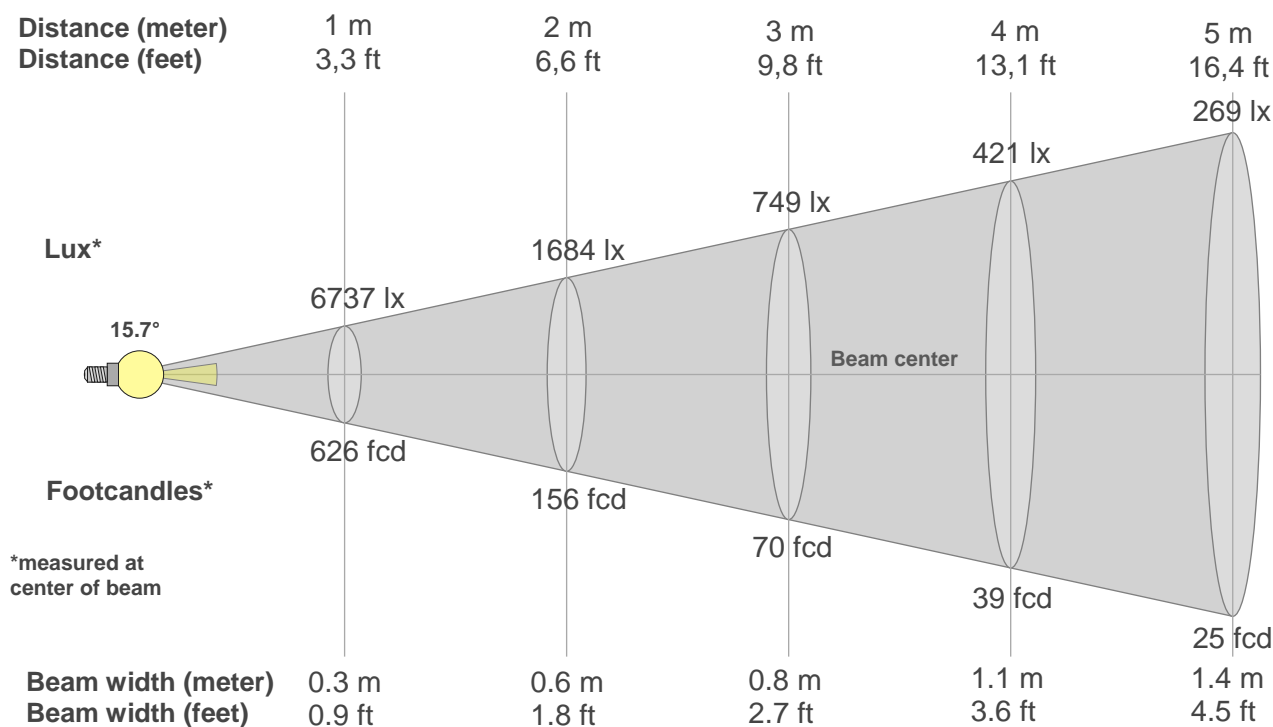
Rg 94.2

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 70 | -16% | -2% |
| 2 | 71 | -13% | 10% |
| 3 | 67 | -6% | 19% |
| 4 | 68 | 3% | 20% |
| 5 | 77 | 8% | 11% |
| 6 | 88 | 6% | -2% |
| 7 | 91 | -4% | -5% |
| 8 | 80 | -11% | -4% |
| 9 | 75 | -19% | 11% |
| 10 | 59 | -12% | 27% |
| 11 | 43 | -2% | 28% |
| 12 | 72 | 6% | 16% |
| 13 | 80 | 15% | 7% |
| 14 | 76 | 19% | -8% |
| 15 | 71 | 7% | -22% |
| 16 | 80 | -5% | -10% |



Beam details



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|----------|---------|---------|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 6737lx | 1684lx | 749lx | 421lx | 269lx | 187lx | 137lx | 105lx | 83lx | 67lx | 56lx | 47lx | 40lx | 34lx | 30lx | 26lx | 23lx | 21lx | 19lx | 17lx |
| 625.9fcd | 156.5fcd | 69.5fcd | 39.1fcd | 25fcd | 17.4fcd | 12.8fcd | 9.8fcd | 7.7fcd | 6.3fcd | 5.2fcd | 4.3fcd | 3.7fcd | 3.2fcd | 2.8fcd | 2.4fcd | 2.2fcd | 1.9fcd | 1.7fcd | 1.6fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 6737 | 6921 | 7119 | 7200 | 6895 | 6237 | 5411 | 4466 | 3488 | 2588 | 1776 | 1062 | 493 | 169 | 16 | 0 | 0 | 0 | 0 | 0 |
| 100% | 103% | 106% | 107% | 102% | 93% | 80% | 66% | 52% | 38% | 26% | 16% | 7% | 3% | 0% | 0% | 0% | 0% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 6737 | 6921 | 7119 | 7200 | 6895 | 6237 | 5411 | 4466 | 3488 | 2588 | 1776 | 1062 | 493 | 169 | 16 | 0 | 0 | 0 | 0 | 0 |
| 100% | 103% | 106% | 107% | 102% | 93% | 80% | 66% | 52% | 38% | 26% | 16% | 7% | 3% | 0% | 0% | 0% | 0% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 6737 | 6713 | 6839 | 6958 | 6902 | 6285 | 5477 | 4526 | 3477 | 2527 | 1712 | 1043 | 546 | 198 | 17 | 0 | 0 | 0 | 0 | 0 |
| 100% | 100% | 102% | 103% | 102% | 93% | 81% | 67% | 52% | 38% | 25% | 15% | 8% | 3% | 0% | 0% | 0% | 0% | 0% | 0% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 6737 | 6713 | 6839 | 6958 | 6902 | 6285 | 5477 | 4526 | 3477 | 2527 | 1712 | 1043 | 546 | 198 | 17 | 0 | 0 | 0 | 0 | 0 |
| 100% | 100% | 102% | 103% | 102% | 93% | 81% | 67% | 52% | 38% | 25% | 15% | 8% | 3% | 0% | 0% | 0% | 0% | 0% | 0% |

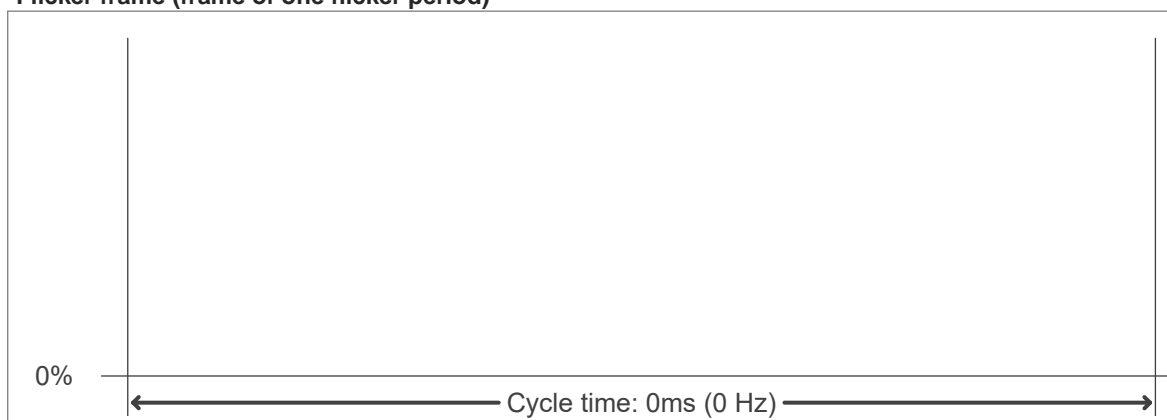
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 15.7° | 23.2° | 26° | 100.0% | 100.0% |

Flicker

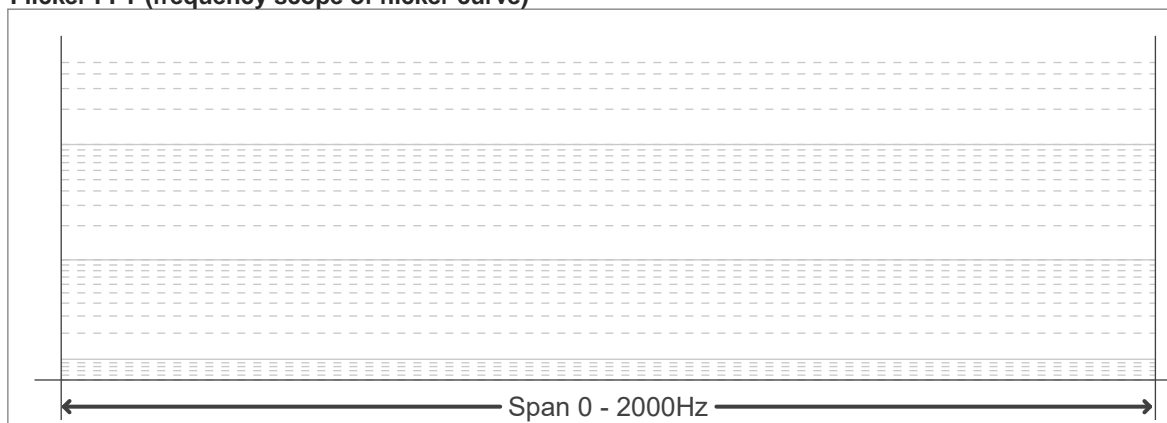
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

| Flicker frequency: | | n/a Hz | |
|-----------------------|-------|---------------|-------|
| Flicker index: | n/a | JA8/10 40Hz | n/a % |
| Flicker percentage: | n/a % | JA8/10 90Hz | n/a % |
| SVM: (Visual flicker) | n/a | JA8/10 200Hz | n/a % |
| PstLM | n/a | JA8/10 400Hz | n/a % |
| Mp | n/a | JA8/10 1000Hz | n/a % |

Flicker conditions:

| | |
|--------------|--------------------|
| Sample rate: | n/a samples/second |
|--------------|--------------------|