

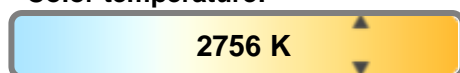
Light efficiency:



Light quality:



Color temperature:

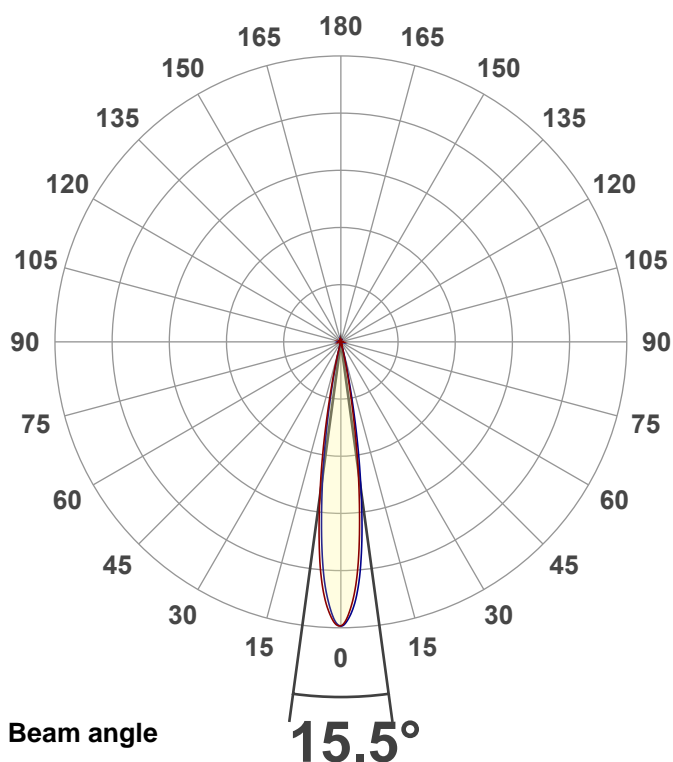


Output: 3110 lm
Peak: 40408 cd
Power: 197.2 W
PF: 1.0



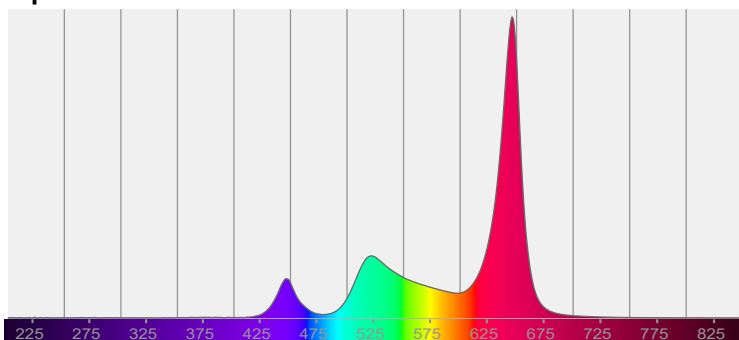
Product name:
Vizi Pix Z19 (Zoom 50%,2700K)
Item number:

Date and time:
5/1/2026 1:51:37 PM

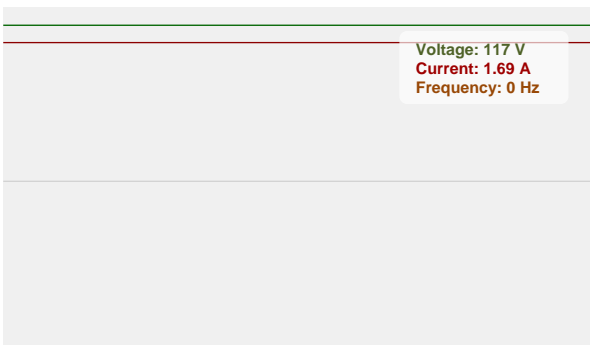


CIE 1931
x: 0.449
y: 0.398

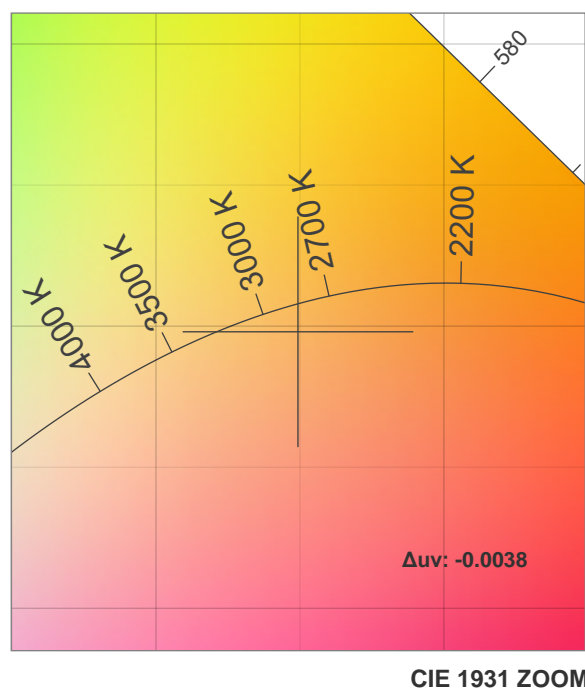
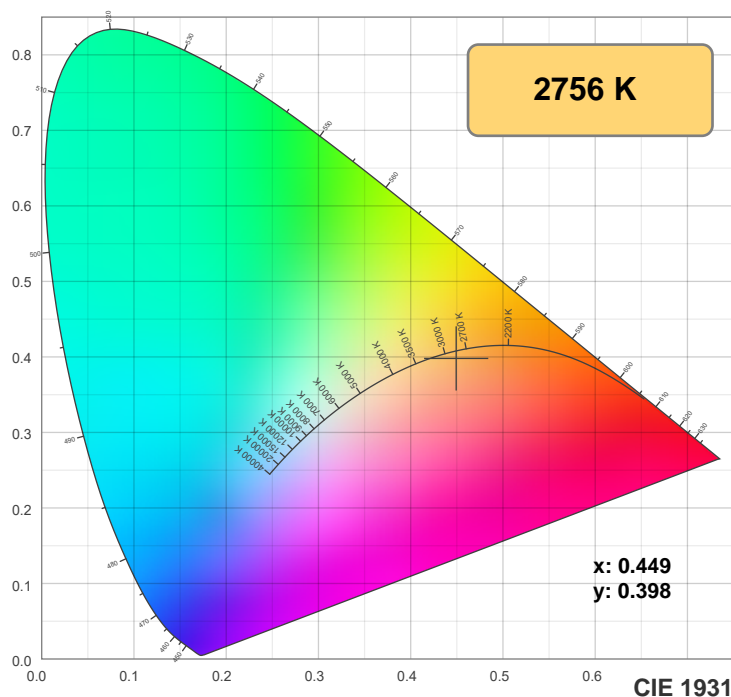
Spectra



Power

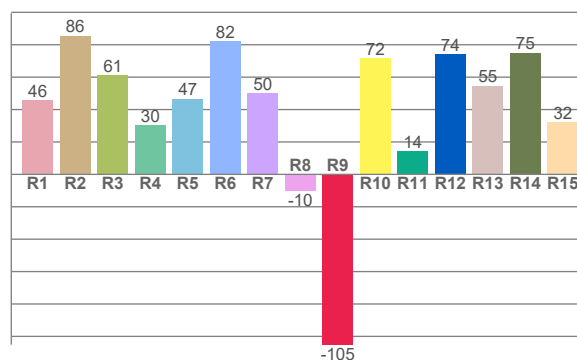
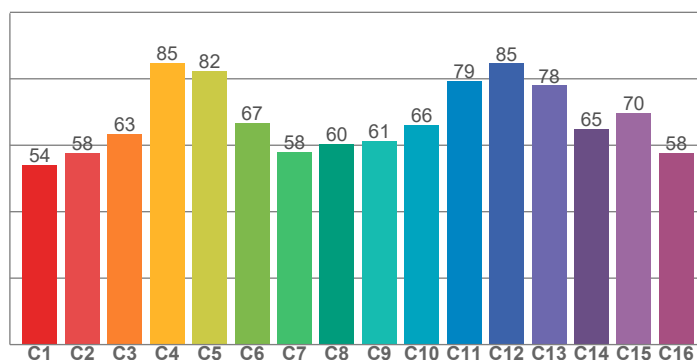


Color details



TM-30: 68.6

CRI: 48.9 (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 |
|------|------|------|------|------|------|------|-------|--------|------|------|------|------|------|------|
| 45.6 | 85.5 | 61.0 | 30.4 | 46.6 | 82.4 | 50.1 | -10.4 | -105.1 | 71.6 | 14.2 | 74.0 | 54.7 | 75.1 | 32.1 |

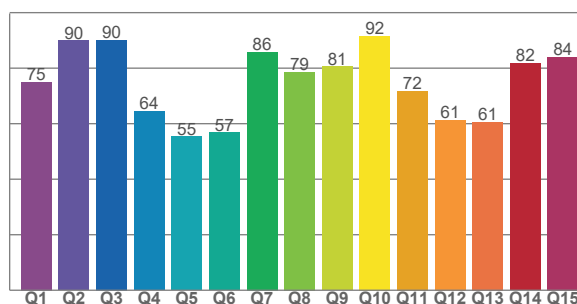
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 54.1 | 57.7 | 63.4 | 84.8 | 82.4 | 66.7 | 58.0 | 60.4 | 61.3 | 66.1 | 79.3 | 84.7 | 78.0 | 64.9 | 69.8 | 57.7 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 75.0 | 89.9 | 90.2 | 64.5 | 55.4 | 56.8 | 85.9 | 78.7 | 80.5 | 91.6 | 71.7 | 61.3 | 60.7 | 81.8 | 84.1 |

CQS: 72.1



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 |
| 2756 K | 48.9 | -105.1 | 68.6 | 124.8 | 72.1 | 0.449 | 0.398 | 0.261 | 0.347 | -0.0038 |

TM-30 details

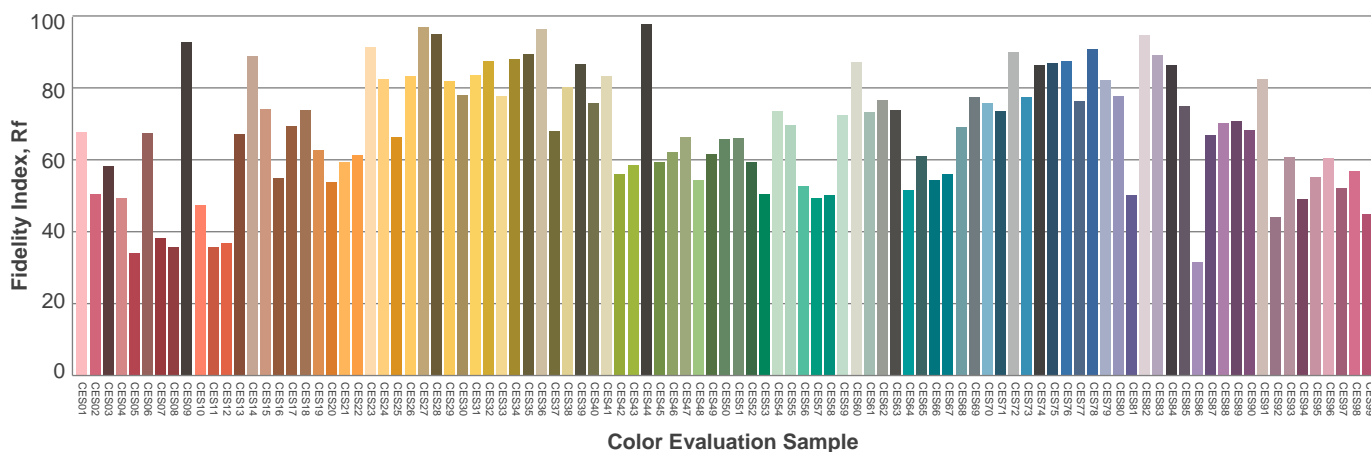
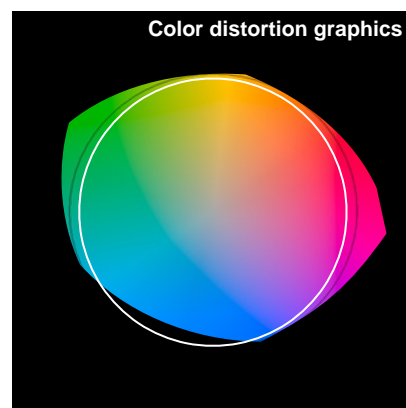
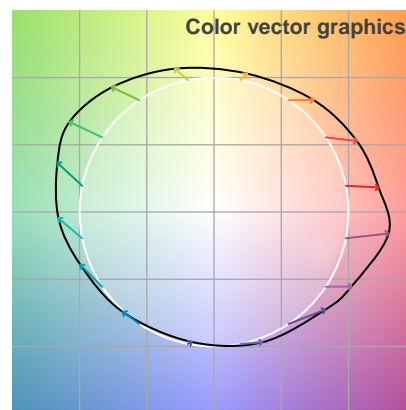
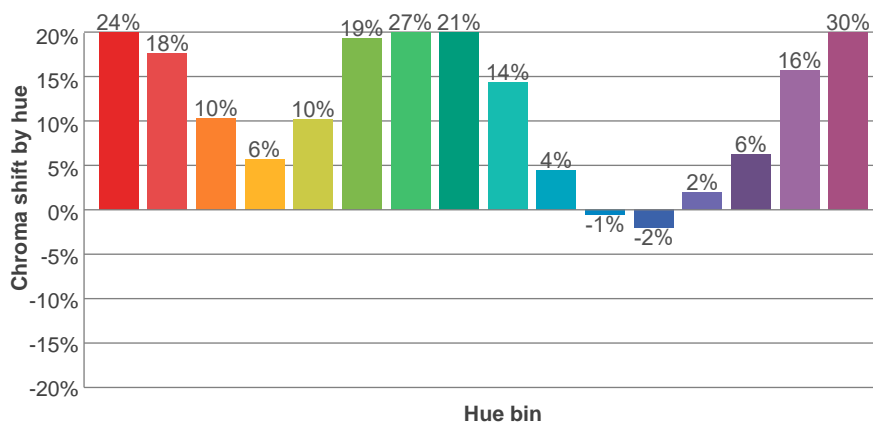
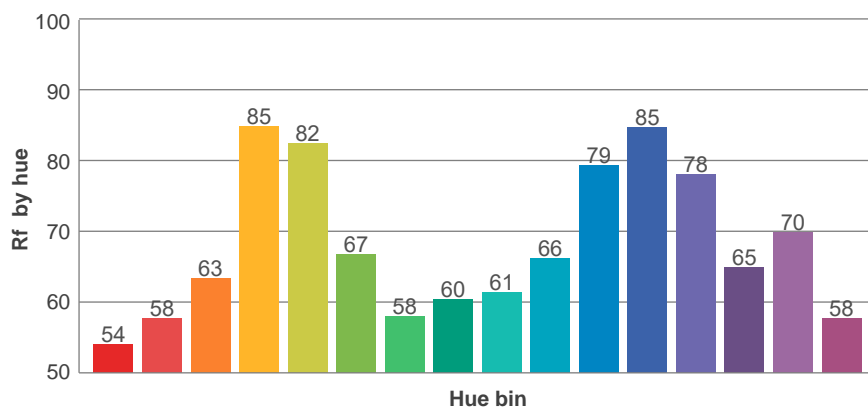
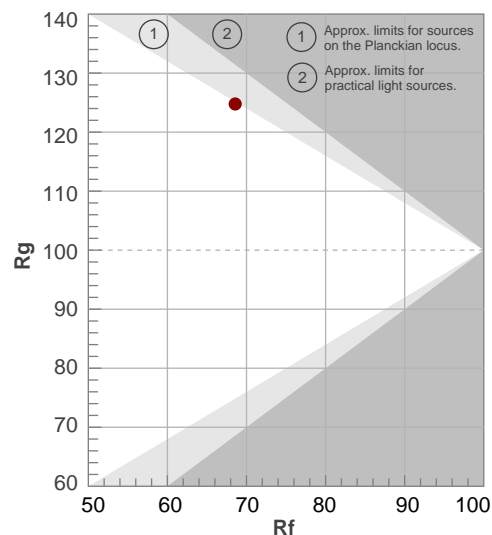
Rf 68.6

Fidelity index Rf

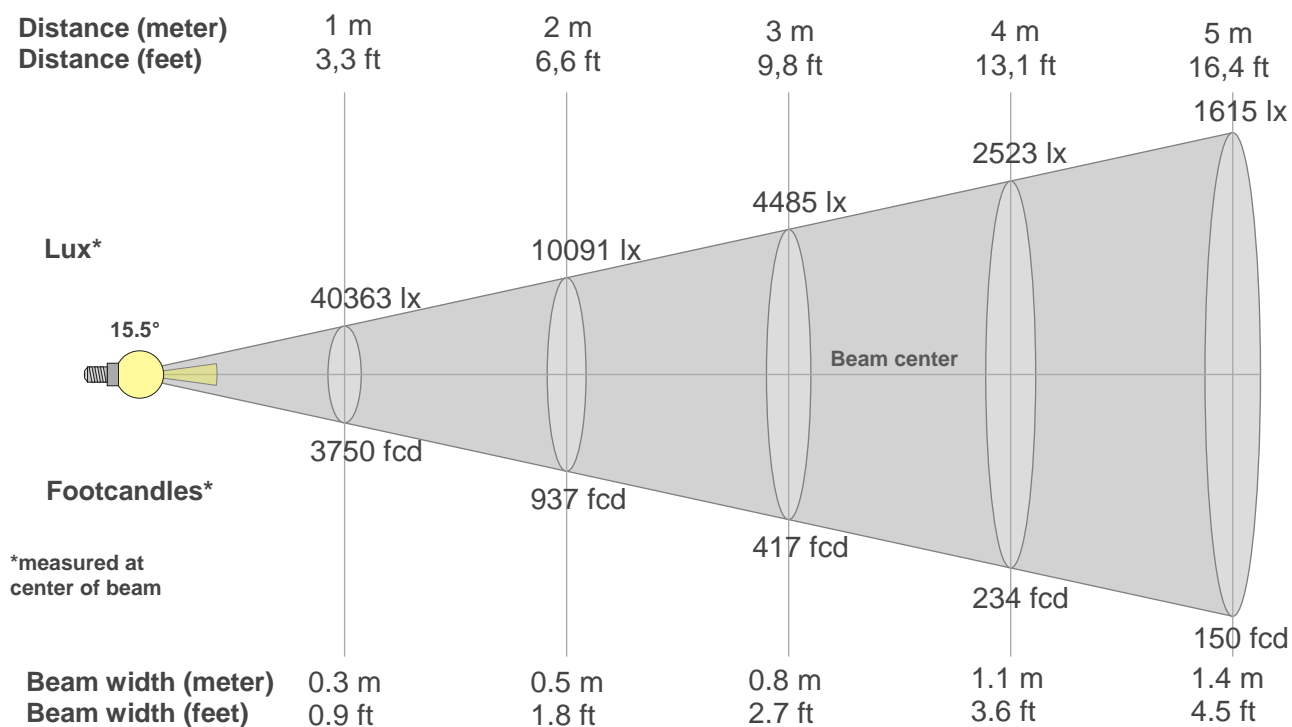
Rg 124.8

Gamut index Rg

| Hue Bin | Ri | Shifts (%) | |
|---------|----|------------|------|
| | | Chroma | Hue |
| 1 | 54 | 24% | -6% |
| 2 | 58 | 18% | -15% |
| 3 | 63 | 10% | -15% |
| 4 | 85 | 6% | -4% |
| 5 | 82 | 10% | 8% |
| 6 | 67 | 19% | 12% |
| 7 | 58 | 27% | 4% |
| 8 | 60 | 21% | -13% |
| 9 | 61 | 14% | -18% |
| 10 | 66 | 4% | -22% |
| 11 | 79 | -1% | -15% |
| 12 | 85 | -2% | 2% |
| 13 | 78 | 2% | 16% |
| 14 | 65 | 6% | 28% |
| 15 | 70 | 16% | 11% |
| 16 | 58 | 30% | 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 |
| 40363lx | 10091lx | 4485lx | 2523lx | 1615lx | 1121lx | 824lx | 631lx | 498lx | 404lx | 334lx | 280lx | 239lx | 206lx | 179lx | 158lx | 140lx | 125lx | 112lx | 101lx |
| 3749.8fcd | 937.5fcd | 416.6fcd | 234.4fcd | 150fcd | 104.2fcd | 76.5fcd | 58.6fcd | 46.3fcd | 37.5fcd | 31fcd | 26fcd | 22.2fcd | 19.1fcd | 16.7fcd | 14.6fcd | 13fcd | 11.6fcd | 10.4fcd | 9.4fcd |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 40.4k | 39.6k | 38.1k | 36.0k | 33.2k | 29.6k | 25.4k | 21.2k | 17.1k | 13.0k | 9.2k | 6.2k | 3.9k | 2.3k | 1.2k | 0.5k | 0.2k | 0.1k | 0.1k | 0.1k |
| 100% | 98% | 94% | 89% | 82% | 73% | 63% | 53% | 42% | 32% | 23% | 15% | 10% | 6% | 3% | 1% | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 40.4k | 40.0k | 38.8k | 37.3k | 35.0k | 32.1k | 28.5k | 24.5k | 20.3k | 16.1k | 12.0k | 8.4k | 5.5k | 3.4k | 1.9k | 1.0k | 0.4k | 0.2k | 0.1k | 0.1k |
| 100% | 99% | 96% | 92% | 87% | 80% | 71% | 61% | 50% | 40% | 30% | 21% | 14% | 8% | 5% | 2% | 1% | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 40.4k | 40.2k | 39.2k | 37.7k | 35.6k | 32.9k | 29.3k | 25.3k | 21.1k | 16.9k | 12.8k | 9.0k | 6.0k | 3.7k | 2.1k | 1.1k | 0.5k | 0.2k | 0.1k | 0.1k |
| 100% | 100% | 97% | 93% | 88% | 81% | 73% | 63% | 52% | 42% | 32% | 22% | 15% | 9% | 5% | 3% | 1% | 0% | 0% | 0% |

Intensities in 270° c-plane

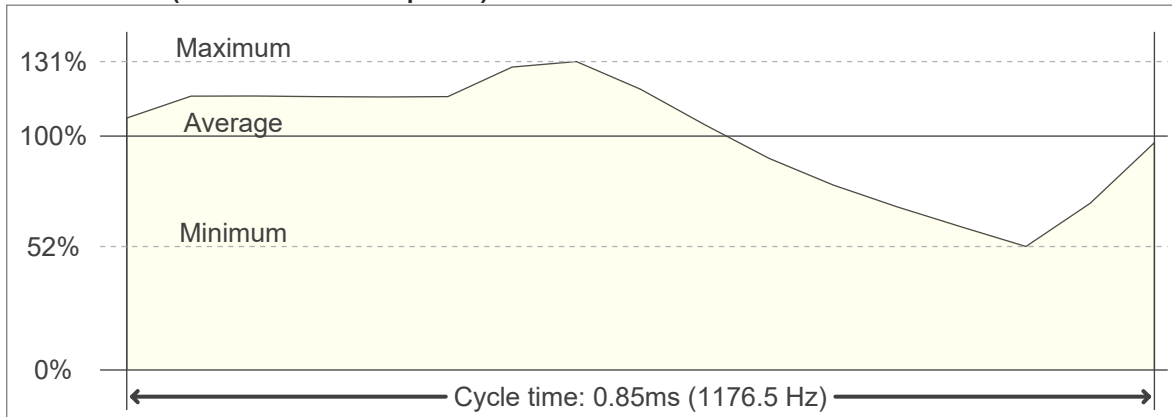
| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 40.4k | 39.9k | 38.5k | 36.4k | 33.8k | 30.4k | 26.3k | 22.1k | 17.9k | 13.7k | 9.8k | 6.7k | 4.3k | 2.6k | 1.4k | 0.6k | 0.2k | 0.1k | 0.1k | 0.1k |
| 100% | 99% | 95% | 90% | 84% | 75% | 65% | 55% | 44% | 34% | 24% | 17% | 11% | 6% | 3% | 2% | 1% | 0% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 15.5° | 24.8° | 29.3° | 96.3% | 93.6% |

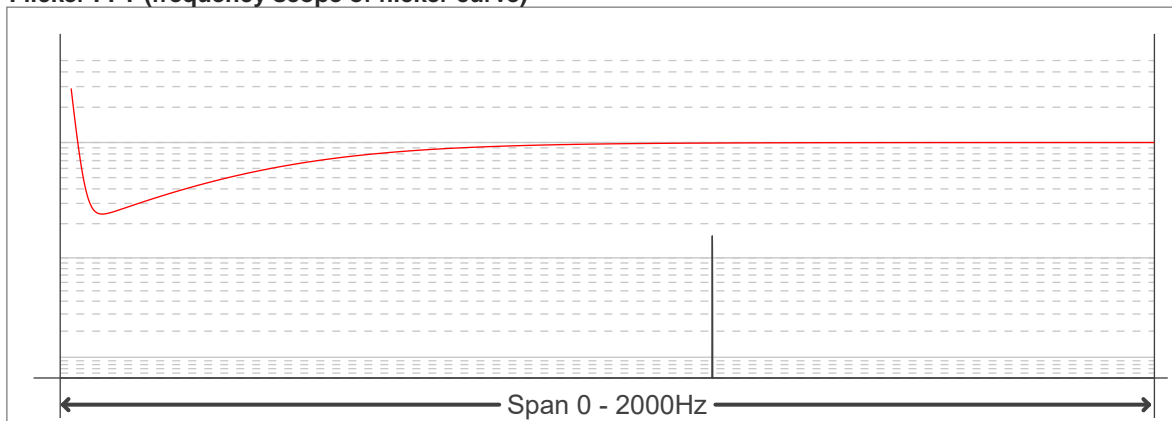
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

| Flicker frequency: | | 1176.47 Hz | |
|-----------------------|---------|---------------|--------|
| Flicker index: | 0.1 | JA8/10 40Hz | 0.15 % |
| Flicker percentage: | 43.31 % | JA8/10 90Hz | 0.28 % |
| SVM: (Visual flicker) | 0.32 | JA8/10 200Hz | 0.62 % |
| PstLM | 0 | JA8/10 400Hz | 1.32 % |
| Mp | 0.06 | JA8/10 1000Hz | 6.2 % |

Flicker conditions:

| | |
|--------------|----------------------|
| Sample rate: | 20000 samples/second |
|--------------|----------------------|