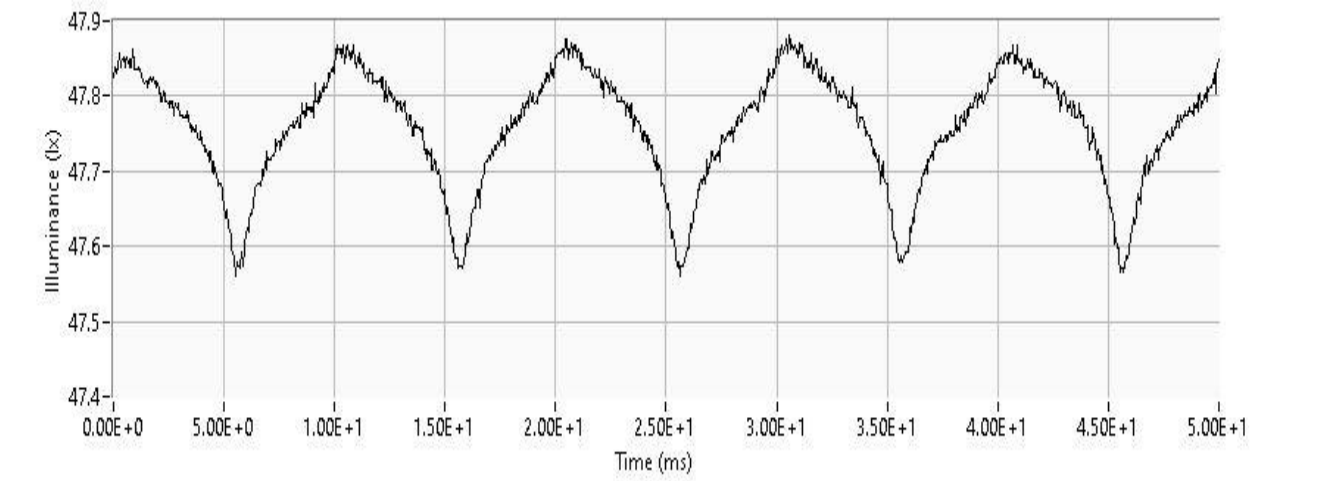


# Flicker Test Report

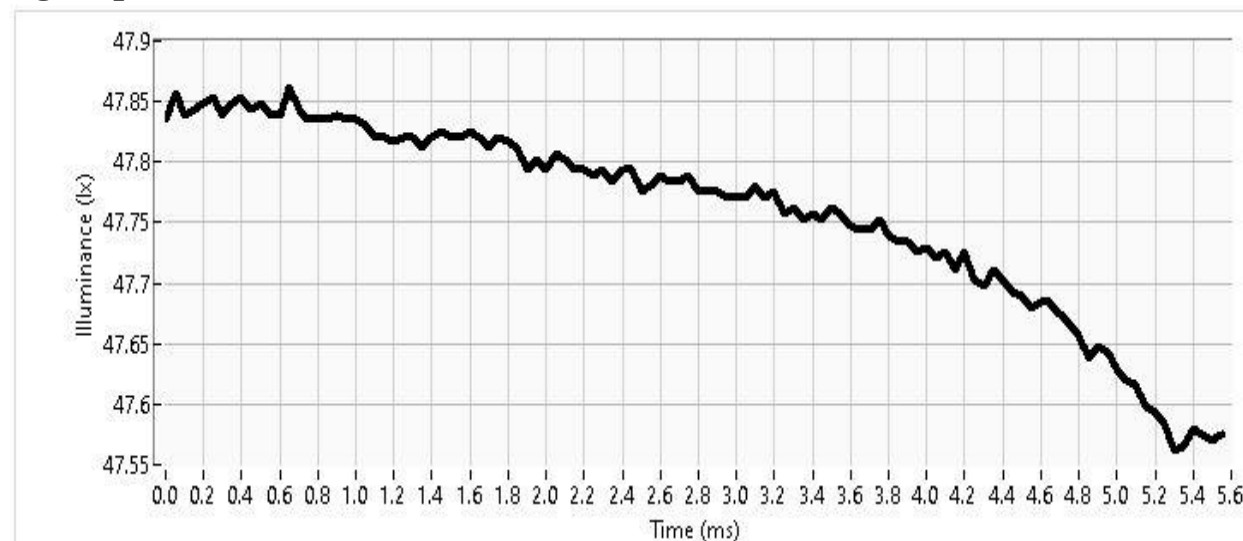
FLICKER CLASSIFICATION (IEEE 1789-2015): No observable effect level NOEL  
SVM (IEC TR 63158): PASS (Test value: 0.008 +- 0.000, Acceptance limit < 0.9)  
Pst LM (IEC TR 61547-1): PASS (Test value: 0.136 +- 0.011, Acceptance Limit < 1.0)  
*Tolerances are evaluated by 2 x standard deviations (k=2, 95% confidence level).*



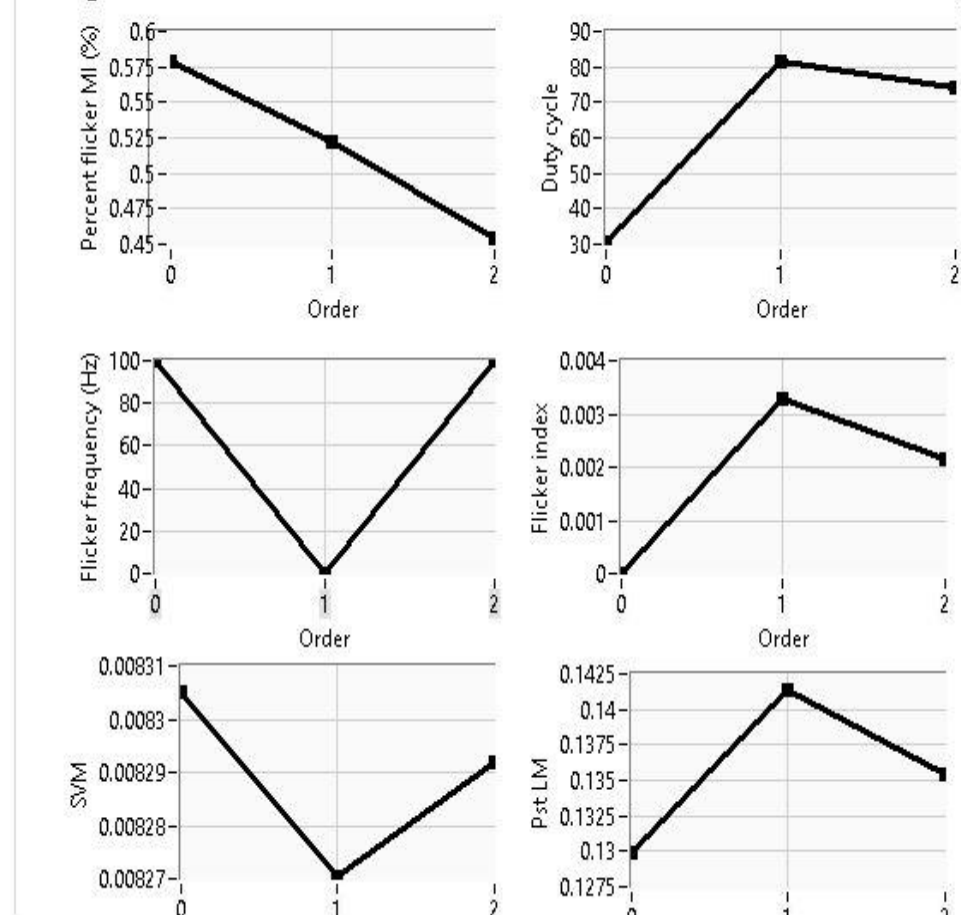
**Table. Flicker analysis summary. The values have been calculated as an average of consecutive repetition measurements.**

	Value	St.dev.
Average signal	47.73	0.11
Mean signal	47.68	0.03
Max signal	47.92	0.06
Min signal	47.43	0.02
Percent flicker (%)	0.52	0.06
Flicker index	0.0018	0.0017
Flicker frequency (Hz)	66.7	57.7
Pulse width (ms)	Inf	NaN
SVM	0.0083	0.0000
Pst LM	0.1356	0.0057

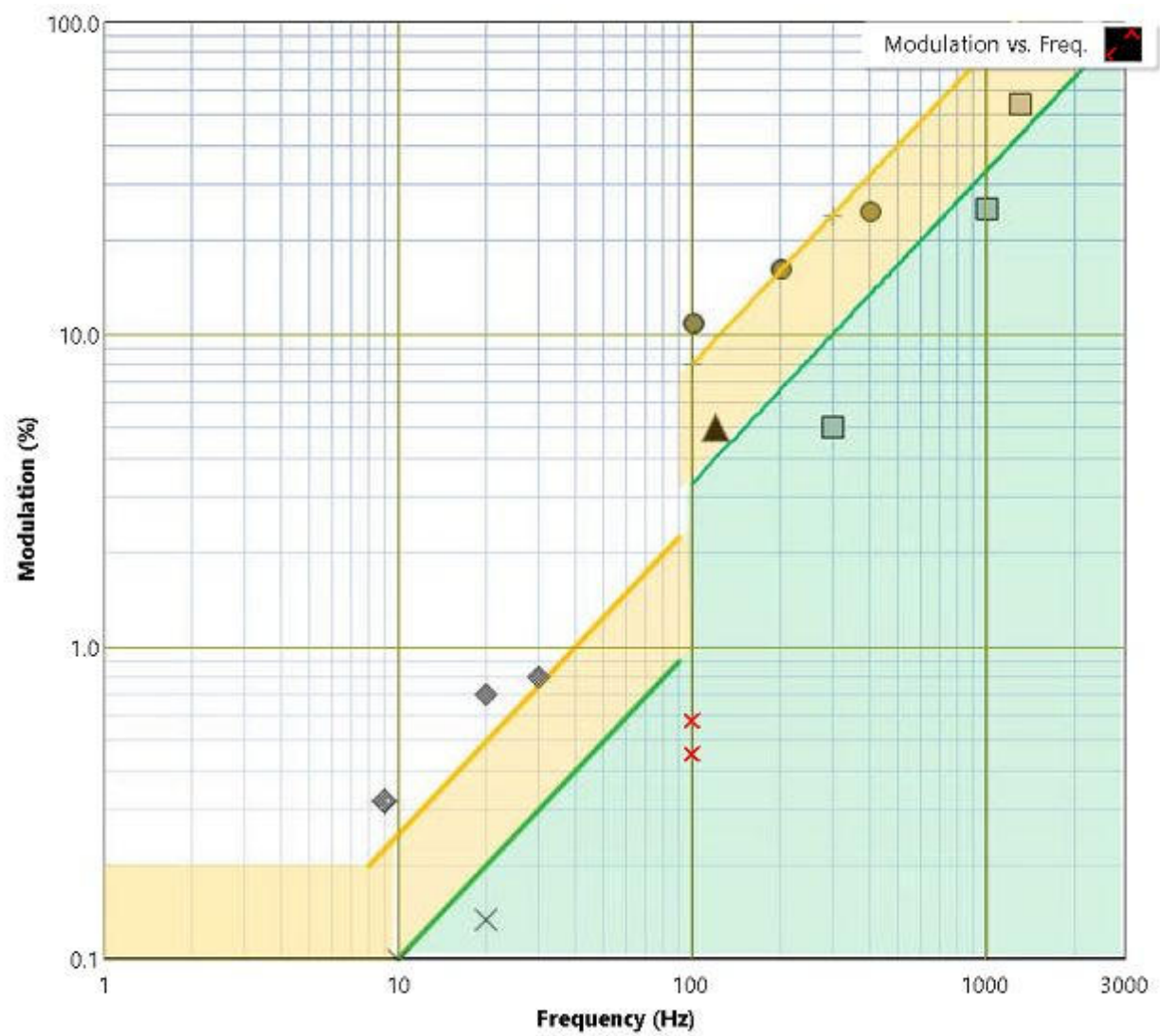
**Figure. Illuminance as a function of time in one period. The graph is calculated for the latest signal period.**



**Figures below show the data as a function of consecutive measurement repeats.**



**Figure. Modulation index (%) vs. Flicker Frequency according to IEEE 1789.**



**Figure. Pst\_LM long signal shape.**

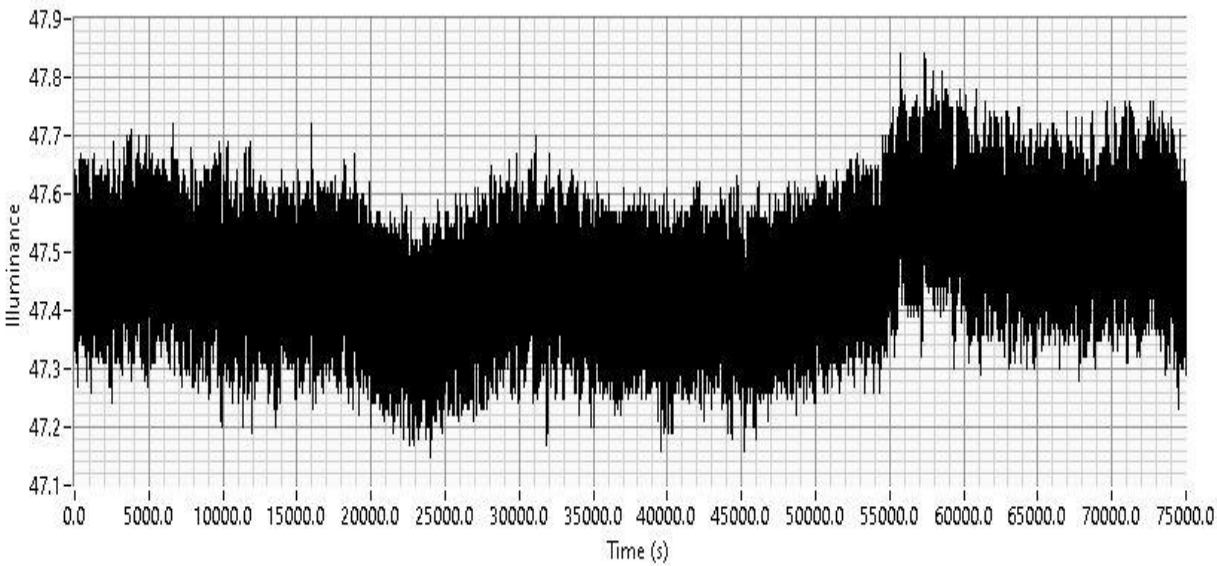


Figure. Fast-Fourier transform for frequency analysis (SVM).

Harmonic order	Frequency (Hz)	Magnitude (%)
0	0	95.0
1	100	0.1

