Light efficiency:

103 Lumen/Watt

Light quality:

CRI: 91.1

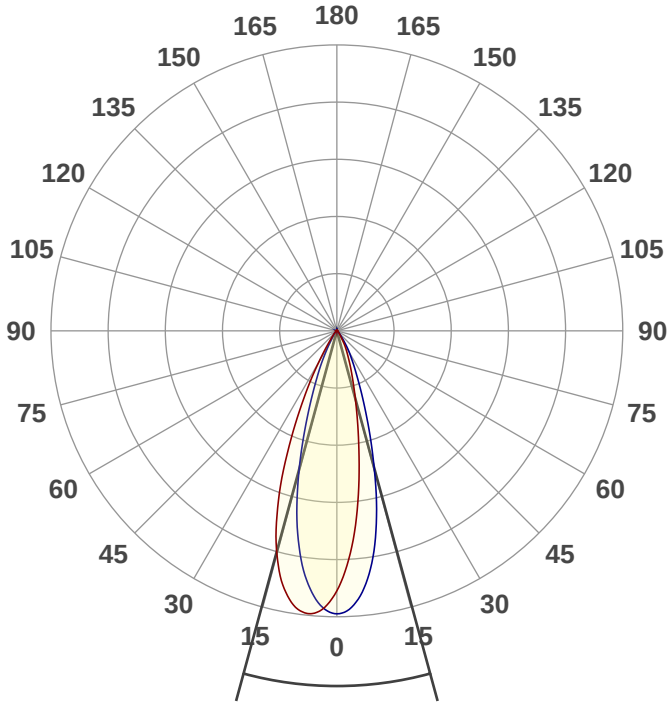
Color temperature:

3022 K

Output: 1980 lm
Peak: 5596 cd

Power: 19.3 W
PF: 0.99

No photo



Beam angle **30.5°**

CIE 1931
x: 0.437
y: 0.405

Tracking number: n/a

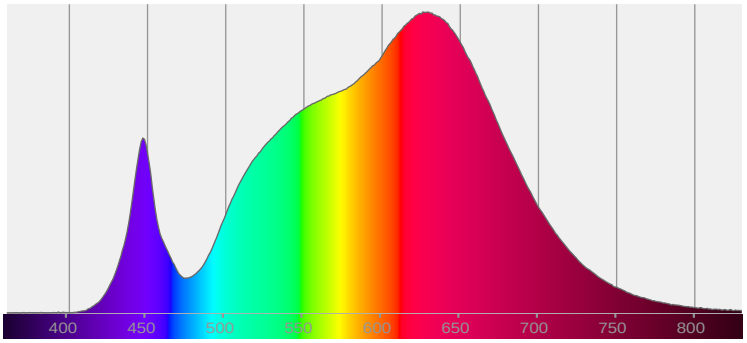
Product name:
TR0606_L199304D_25

Item number:

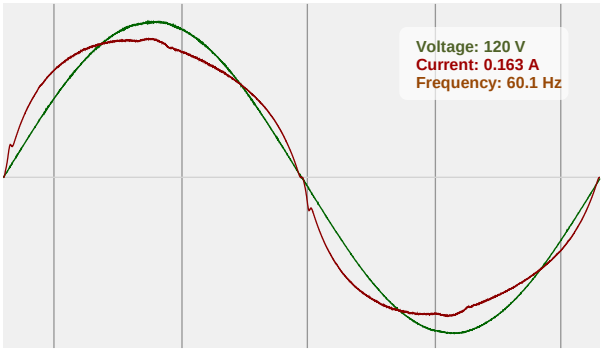
Date and time:
6/11/2021 9:32:53 AM

Description:

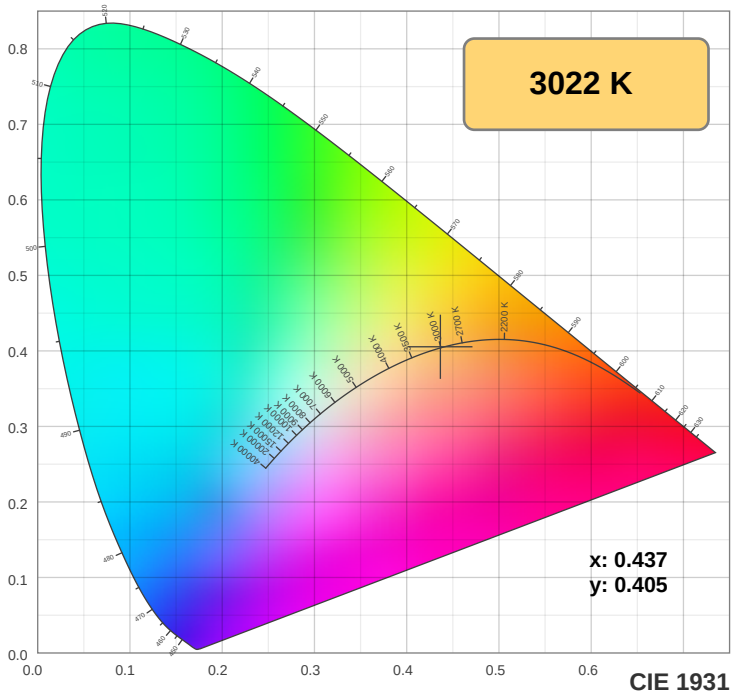
Spectra



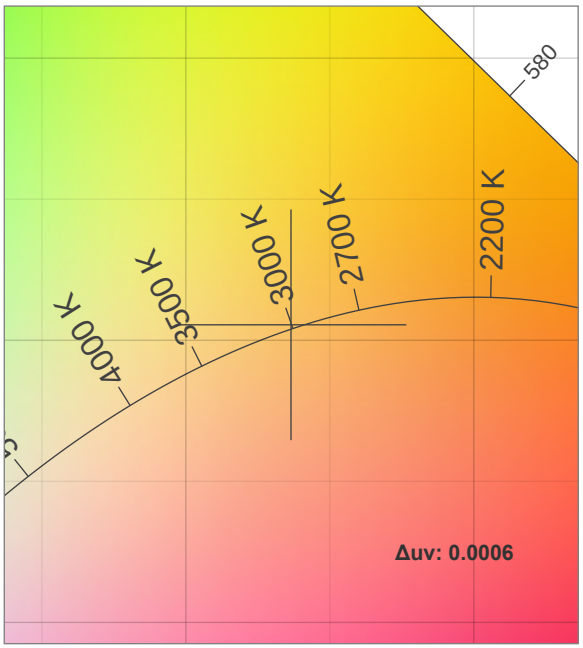
Power



Color details

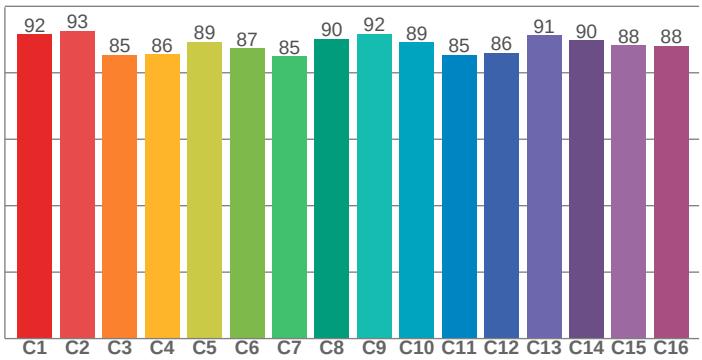


CIE 1931

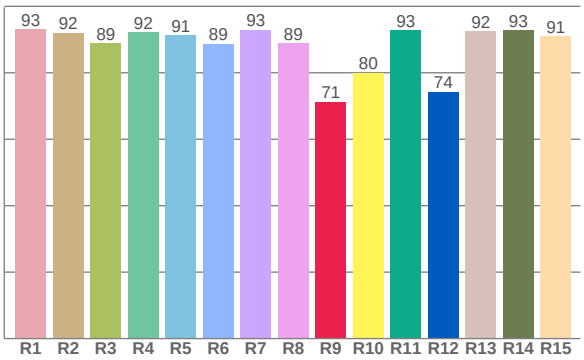


CIE 1931 ZOOM

TM30: 88.7



CRI: 91.1 (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
93.2	92.1	88.9	92.3	91.3	88.8	93.0	88.9	71.2	80.0	92.8	74.3	92.4	92.8	91.0

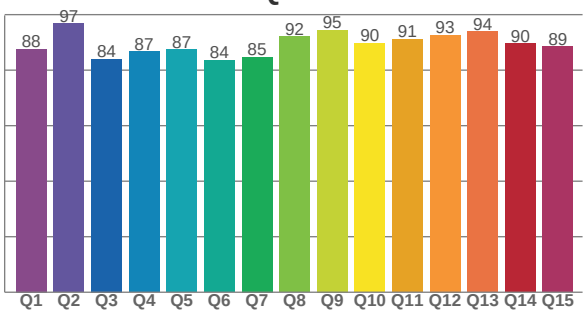
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.5	92.7	85.3	85.5	89.3	87.3	84.9	90.2	91.7	89.2	85.4	85.9	91.3	89.8	88.2	88.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.6	96.7	84.0	86.7	87.4	83.6	84.8	92.2	94.5	89.7	91.1	92.7	93.9	89.6	88.6

CQS: 88.7



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3022 K	91.1	71.2	88.7	103.8	88.7	0.437	0.405	0.250	0.348	0.0006

TM30 details

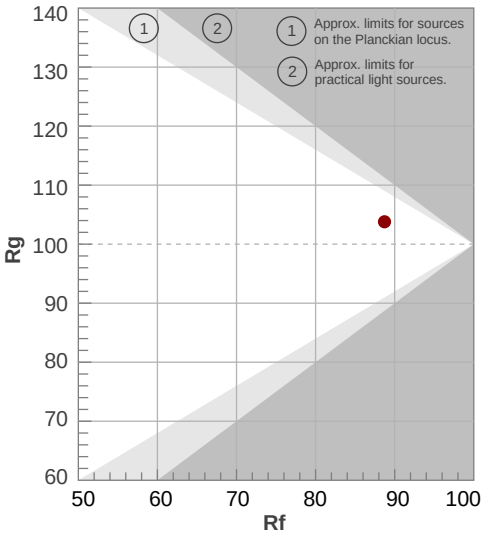
Rf 88.7

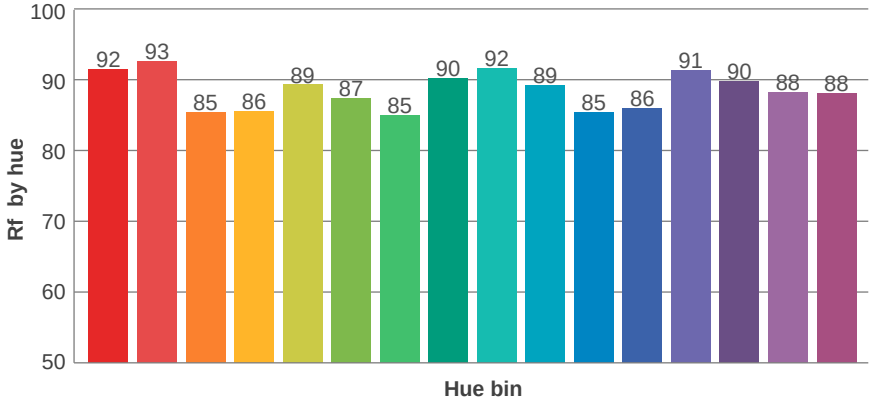
Fidelity index Rf

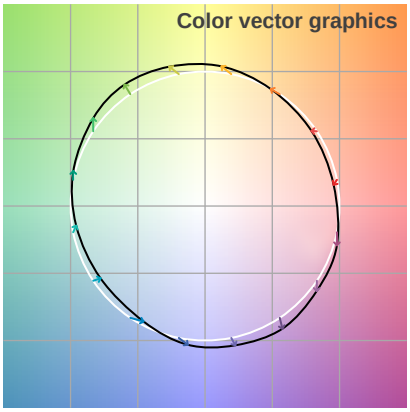
Rg 103.8

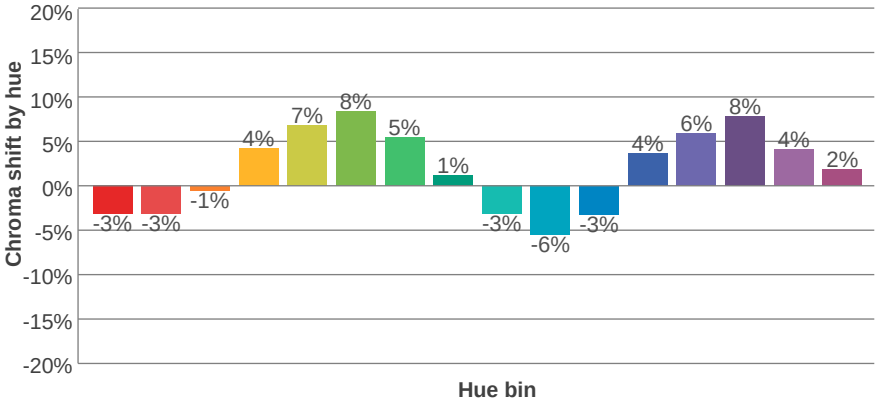
Gammut index Rg

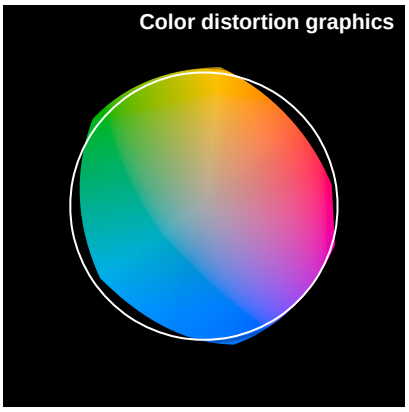
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	92	-3%	-3%
2	93	-3%	2%
3	85	-1%	8%
4	86	4%	8%
5	89	7%	6%
6	87	8%	0%
7	85	5%	-8%
8	90	1%	-6%
9	92	-3%	-4%
10	89	-6%	2%
11	85	-3%	10%
12	86	4%	7%
13	91	6%	2%
14	90	8%	-3%
15	88	4%	-6%
16	88	2%	-9%

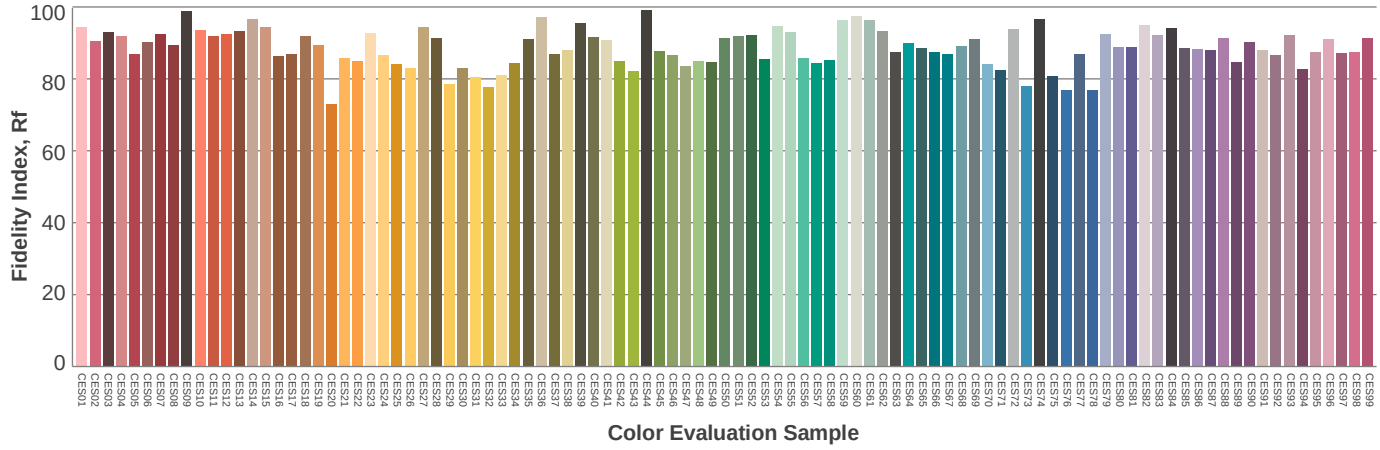




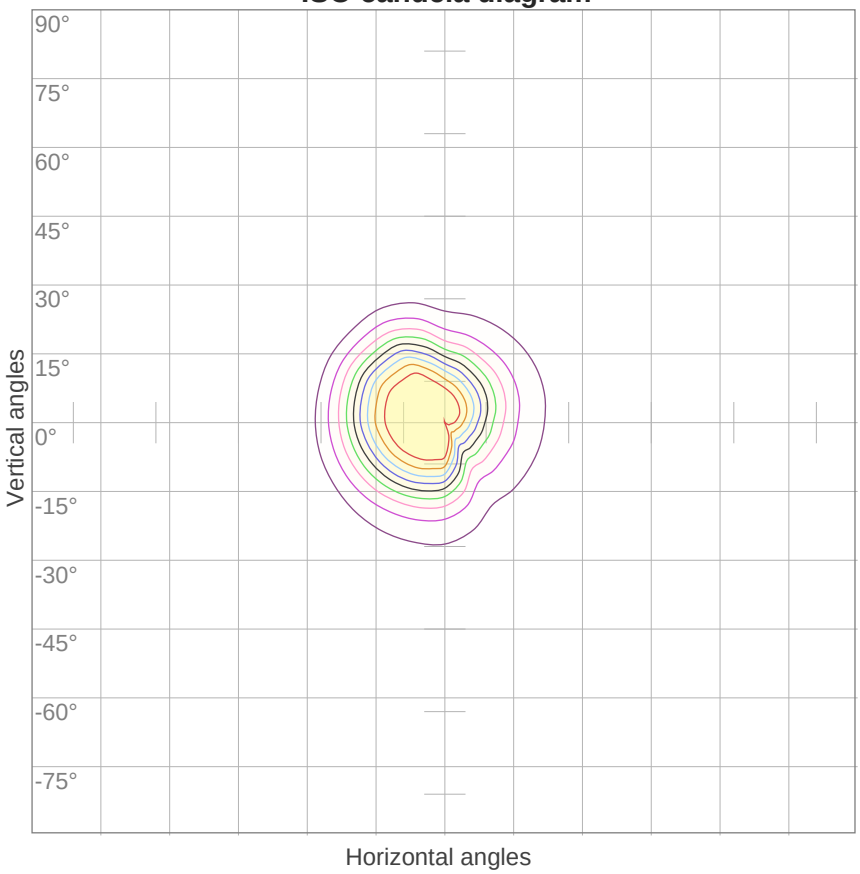








ISO candela diagram



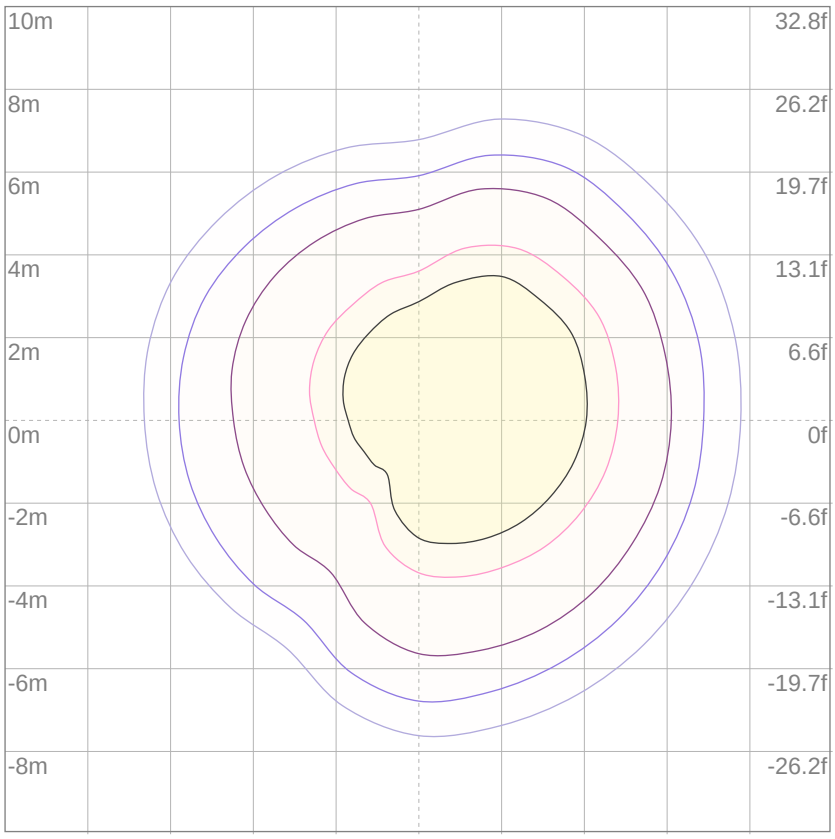
10%	520 cd
20%	1039 cd
30%	1559 cd
40%	2079 cd
50%	2598 cd
60%	3118 cd
70%	3638 cd
80%	4157 cd
90%	4677 cd

Conditions:

Number of c-planes: 12

Candela at center: 5197 cd

ISO lux diagram



Mounting height: 10 meters (33 feet)

3%	1.56 lx
5%	2.60 lx
10%	5.20 lx
30%	15.6 lx
50%	26.0 lx

Conditions:

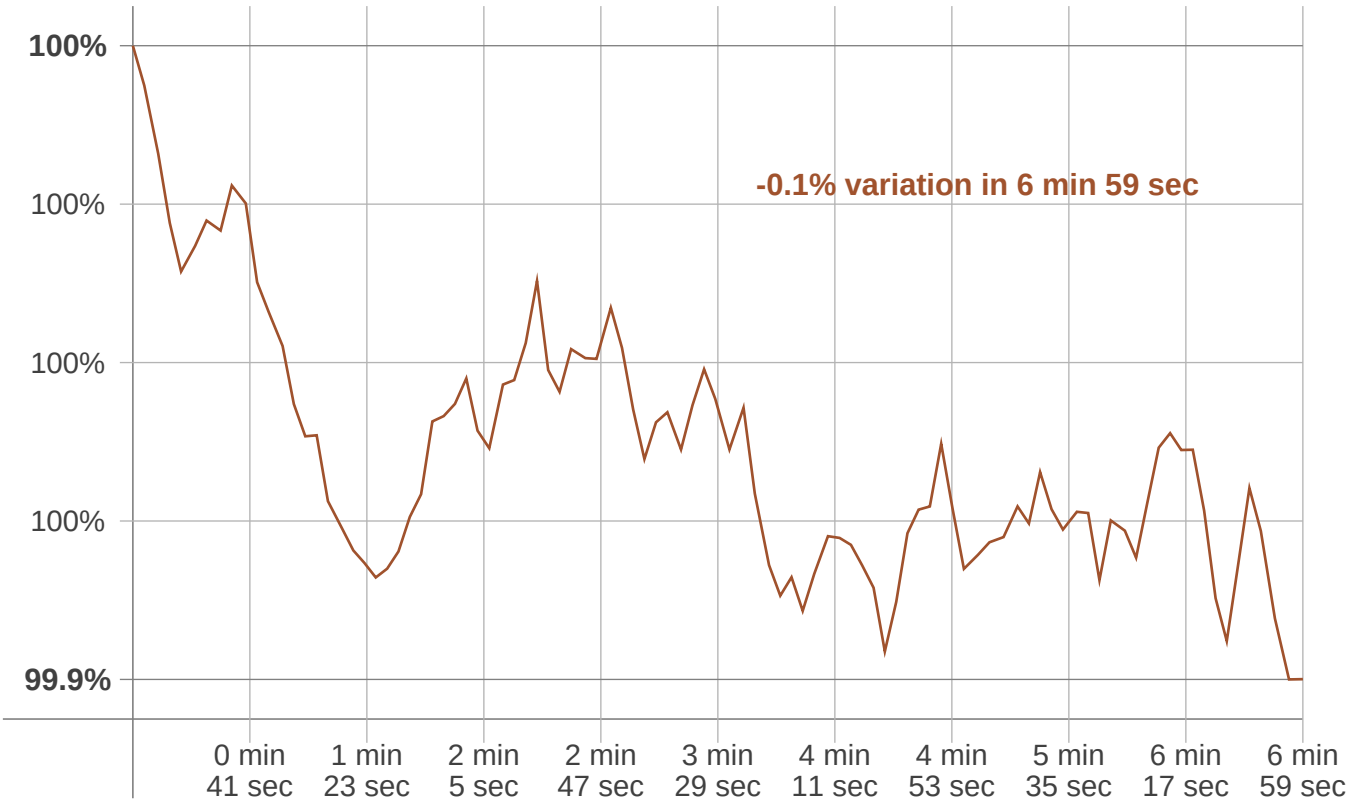
Number of c-planes: 12

Lux at center: 52.0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Stabilization

Warmup curve



Warmup result

Warmup time:	**Not completed**
Warmup variation	**-0.1%**

Warmup conditions

Stable period:	**15 min**
Stable change max:	**0.5%**
Minimum time:	**30 min**

Color temperature change

CCT start	CCT change	CCT end
3023 K	-1 K	3022 K

Output change

Output start	Output change	Output end
1981 lm	-1 lm	1980 lm