Light efficiency:

65 Lumen/Watt

Light quality:

CRI: 82.7

Color temperature:

3507 K

Output: 1194 lm

Peak: 656 cd

Power: 18.3 W

PF: 0.99

No photo

Tracking number: n/a

Product name:

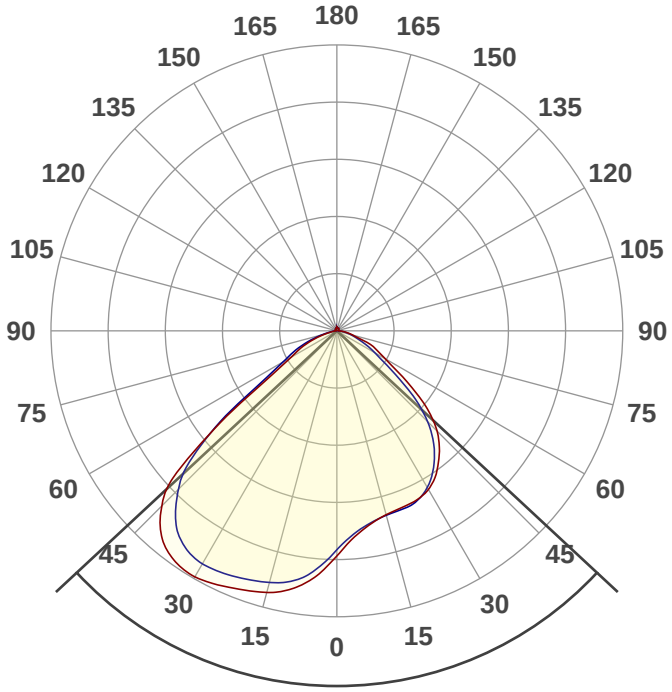
TR0708_30W_500mA_835_WW

Item number:

Date and time:

9/8/2021 3:18:36 PM

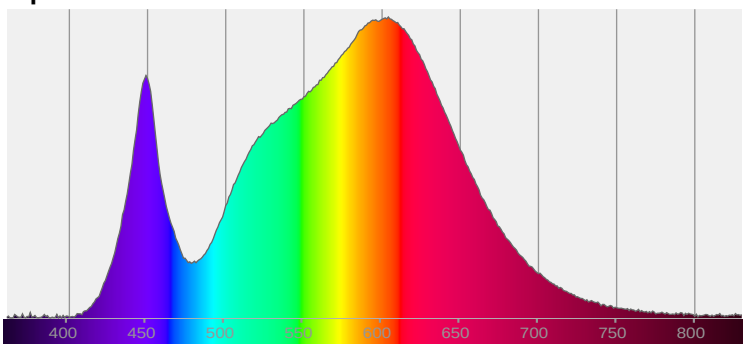
Description:



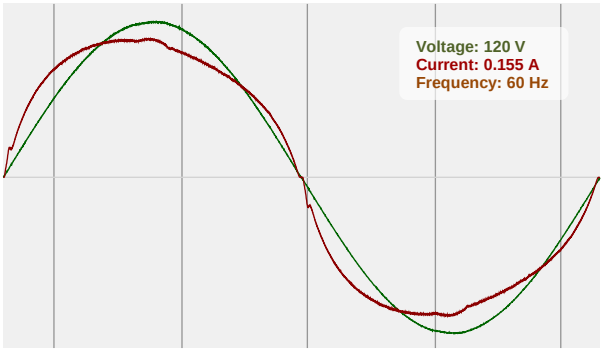
Beam angle **94.2°**

CIE 1931
x: 0.404
y: 0.388

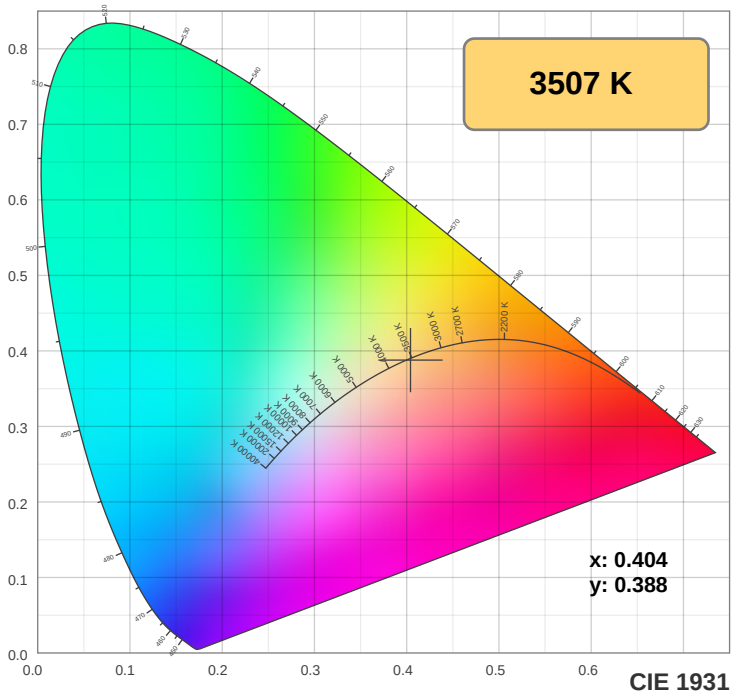
Spectra



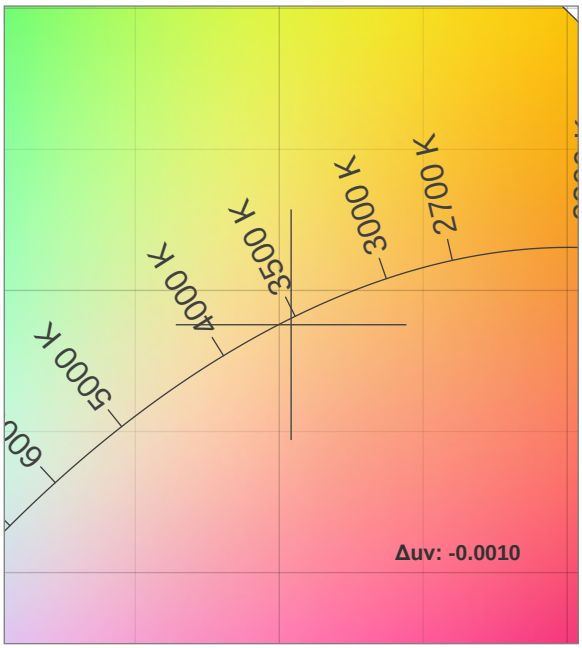
Power



Color details

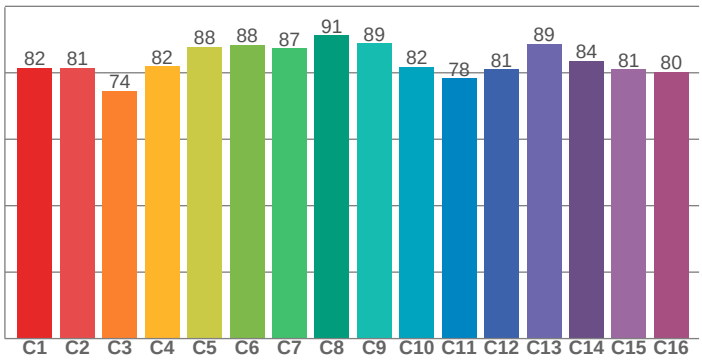


CIE 1931

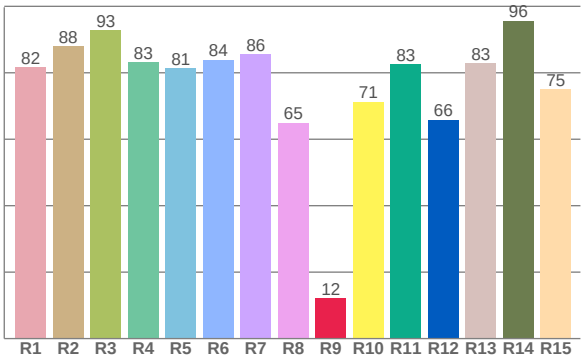


CIE 1931 ZOOM

TM30: 83.3



CRI: 82.7 (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
81.7	87.9	92.8	83.1	81.4	84.0	85.6	65.0	12.1	71.3	82.5	65.9	83.0	95.7	75.0

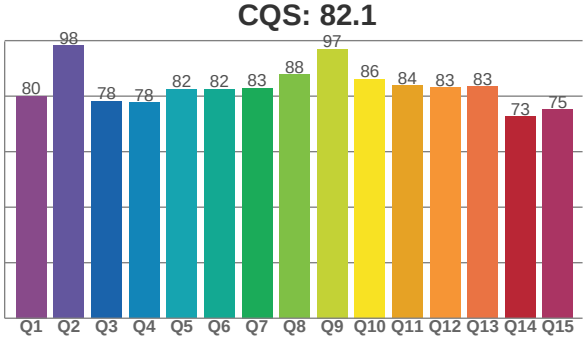
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.6	81.4	74.5	81.9	87.9	88.3	87.3	91.2	88.8	81.7	78.3	81.0	88.7	83.6	81.0	80.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80.0	98.2	78.1	77.7	82.5	82.5	82.9	87.7	97.1	86.1	83.8	83.1	83.4	72.7	75.1

CQS: 82.1



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3507 K	82.7	12.1	83.3	98.5	82.1	0.404	0.388	0.236	0.340	-0.0010

TM30 details

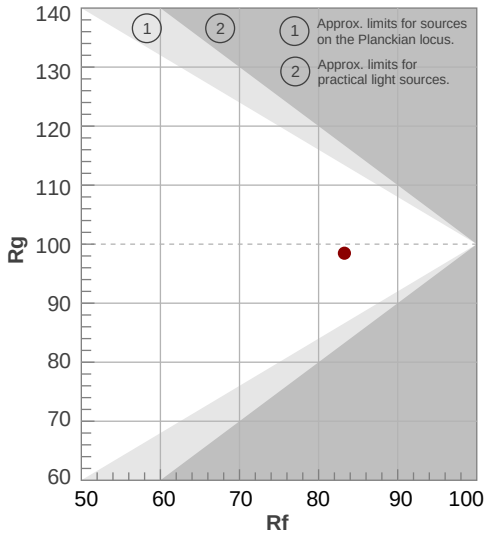
Rf 83.3

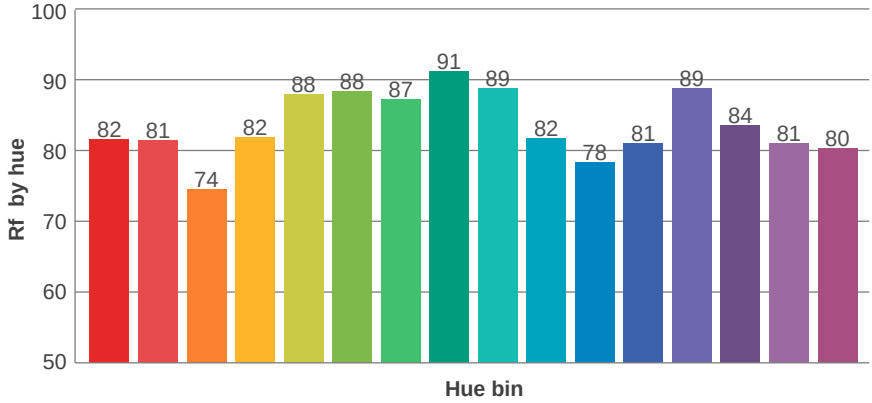
Fidelity index Rf

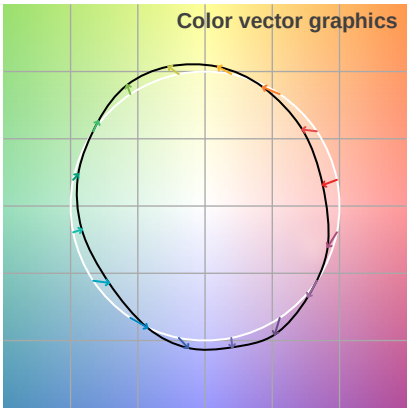
Rg 98.5

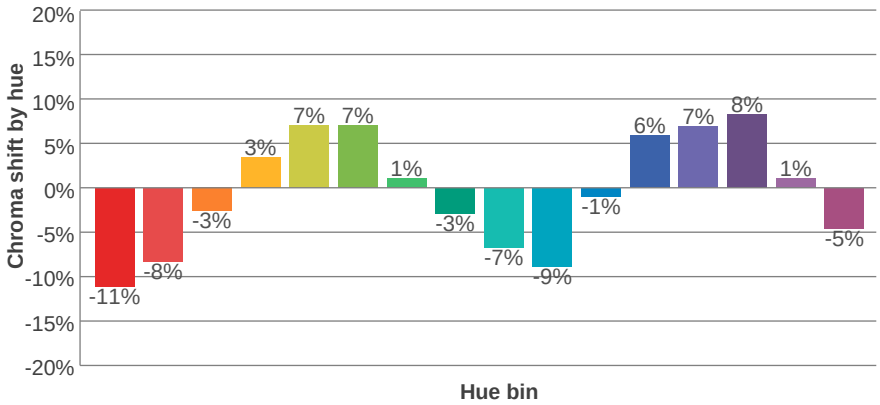
Gammut index Rg

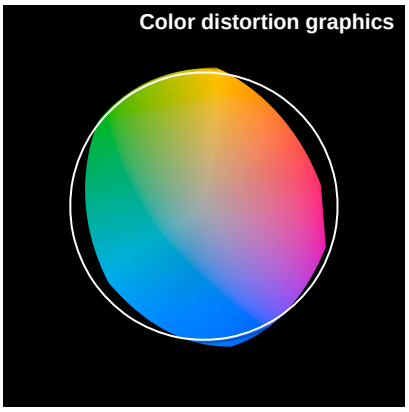
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	82	-11%	-2%
2	81	-8%	7%
3	74	-3%	13%
4	82	3%	11%
5	88	7%	6%
6	88	7%	-2%
7	87	1%	-8%
8	91	-3%	-5%
9	89	-7%	-1%
10	82	-9%	8%
11	78	-1%	15%
12	81	6%	8%
13	89	7%	-1%
14	84	8%	-10%
15	81	1%	-13%
16	80	-5%	-12%

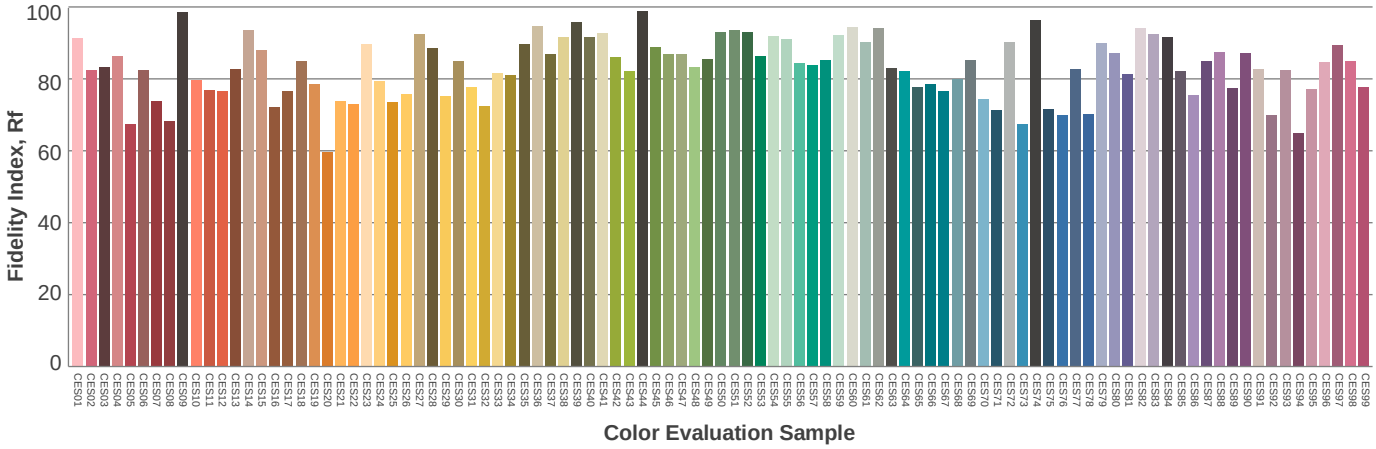




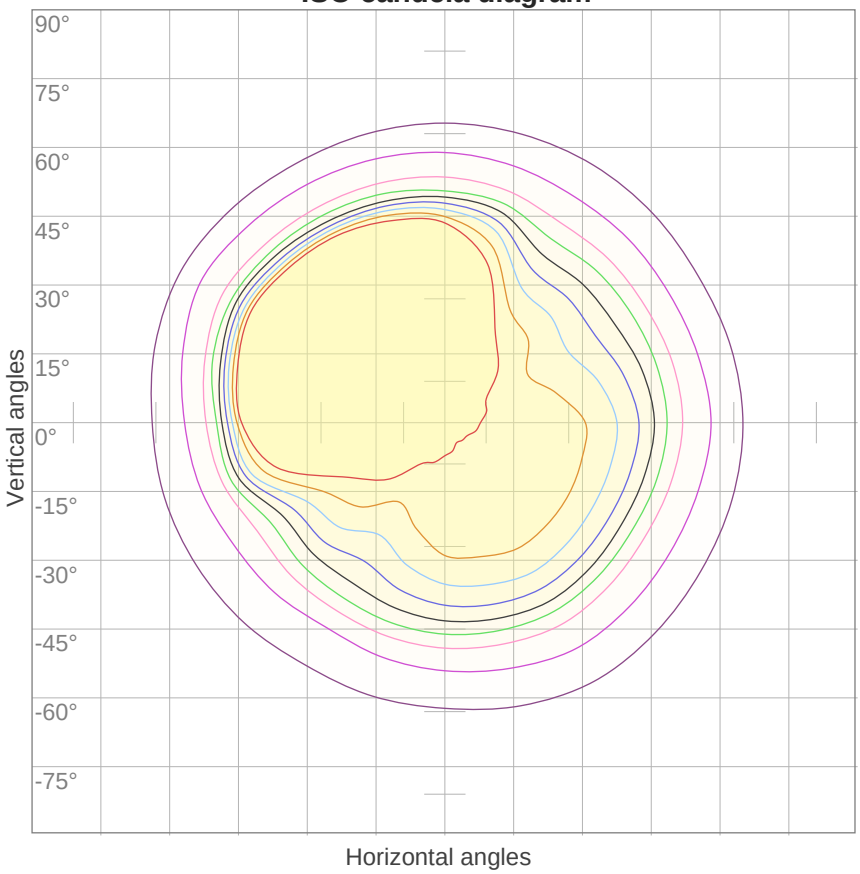








ISO candela diagram



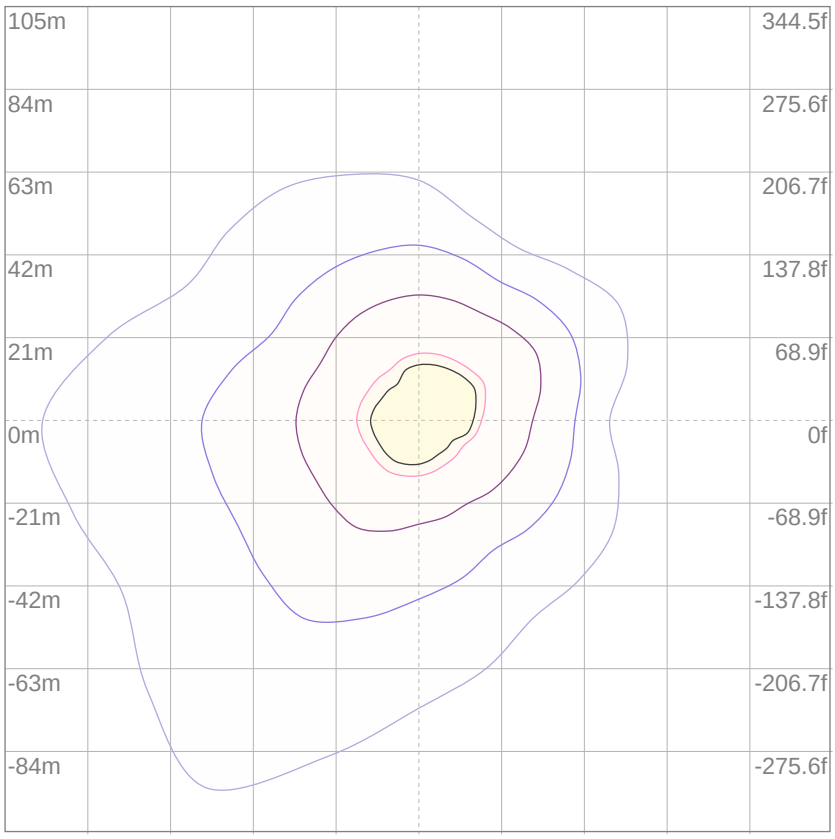
10%	44 cd
20%	87 cd
30%	131 cd
40%	175 cd
50%	218 cd
60%	262 cd
70%	306 cd
80%	349 cd
90%	393 cd

Conditions:

Number of c-planes: 12

Candela at center: 437 cd

ISO lux diagram



Mounting height: 10 meters (33 feet)

3%	0.131 lx
5%	0.218 lx
10%	0.437 lx
30%	1.31 lx
50%	2.18 lx

Conditions:

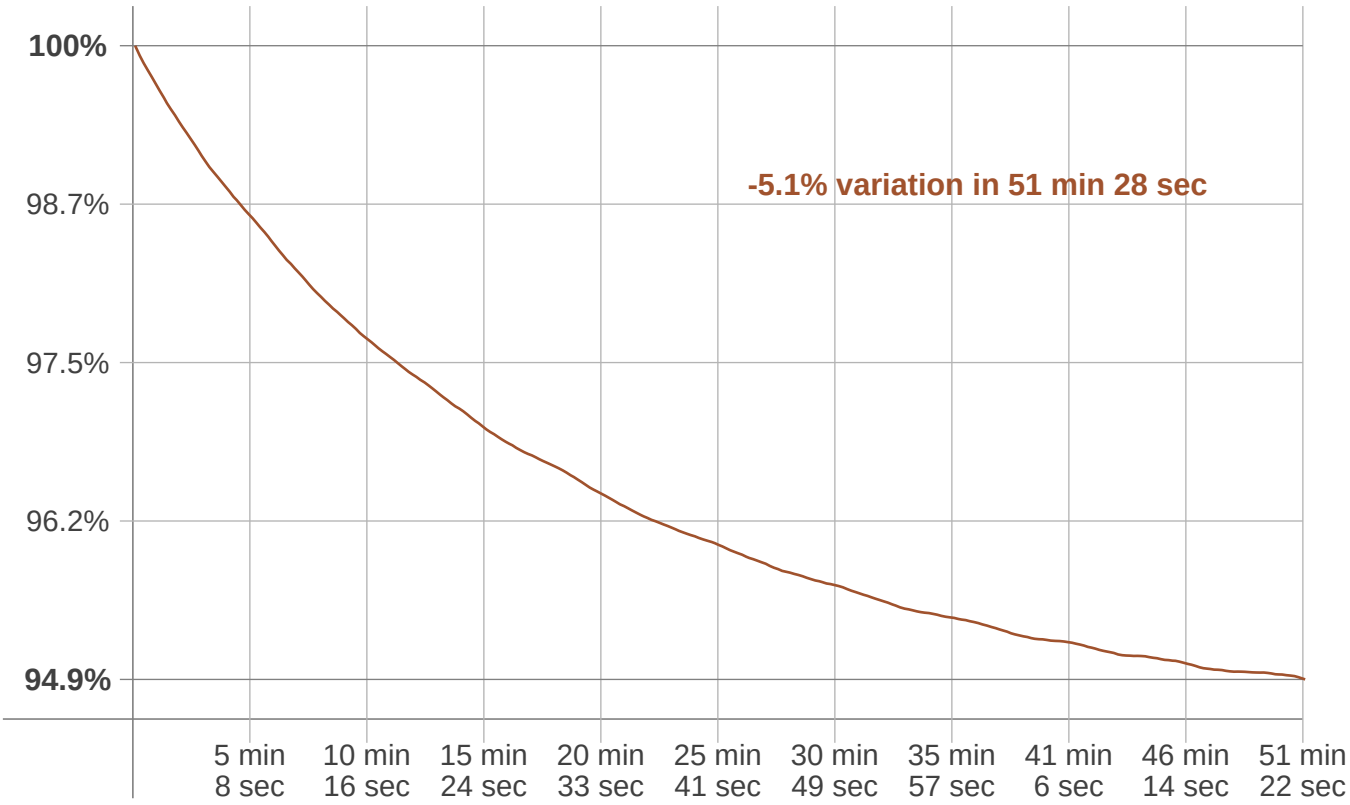
Number of c-planes: 12

Lux at center: 4.37 lx

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

Stabilization

Warmup curve



Warmup result

Warmup time:	**51 min 30 sec**
Warmup variation	**-5.1%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3456 K	+51 K	3507 K

Output change

Output start	Output change	Output end
1255 lm	-60 lm	1194 lm