

# Luminous Test Report

**Product Mark**

Model: 2835-128-GROW

Temperature: 20°C

Tester: Florian Bergmann

Manufacture: LED-Emotion

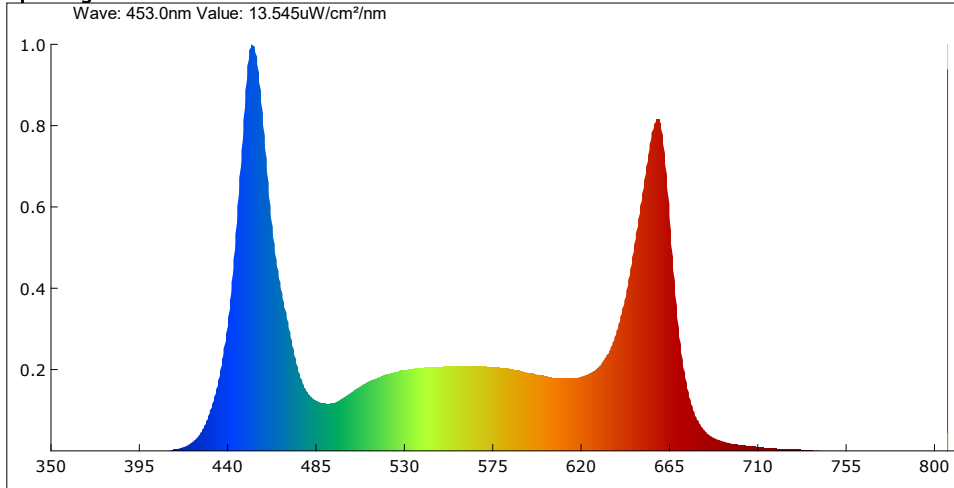
Humidity: 65%

Test Date: 2023-09-16,00:28:22

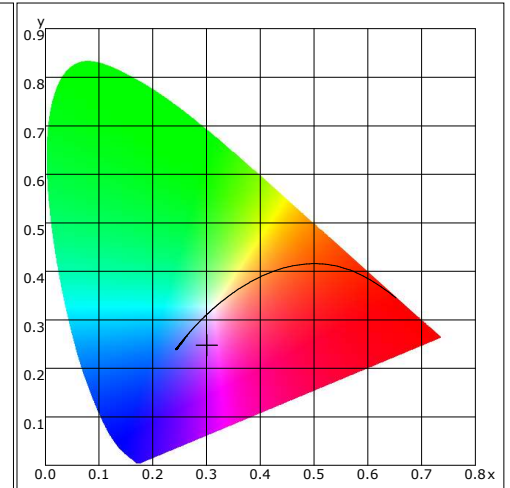
**Parameter**

Name	Value	Name	Value	Name	Value	Name	Value
Φ(lm)	2059.04	Purity(%)	25.2	Φ <sub>er</sub> (mW)	3725.502	Kppfv(umol/s/klm)	0.000
η(lm/W)	89.52	HalfWidth(nm)	19.8	Φ <sub>eu</sub> v(mW)	0.000	YPF(umol/s)	39.587
CCT(K)	10263	Peak(nm)	453.5	Φ <sub>ef</sub> r(mW)	36.549	Φ <sub>ep</sub> (mW)	8402.511
Duv	-0.03774	Center(nm)	454.4	Φ <sub>ei</sub> r(mW)	0.000	Integral Time(ms)	16
CIE x,y	0.3006,0.2472	Centroid(nm)	554.7	Φ <sub>ec</sub> (mW)	9970.103	Peak Signal	61503
CIE u,v	0.2241,0.2764	Color Ratio(RGB)	20.3,73.2,6.6	Φ <sub>eb</sub> Ratio	1.041	Dark Signal	2888
CIE u',v'	0.2241,0.4147	CIE1931 X	3665.540	PAR(mW)	9970.103	Compensate level	2914
SDCM	38.62	CIE1931 Y	3014.698	EchA(mW)	284.239	Voltage(V)	24.000
Ra	63.2	CIE1931 Z	5515.642	EchB(mW)	80.446	Current(A)	0.000
Φ <sub>e</sub> (W)	9.970	TLCI-2012	54	PPF(umol/s)	46.019	Power(W)	23.000
Ebh(mW)	0.28	FlickerFrequency Hz	0.00	PPF_UV(umol/s)	0.000	Power Factor	1.000
Bek(uW/lm)	0.14	FluctuateDepth(%)	0.0	PPF_B(umol/s)	13.713		
S/P	2.671	BinkPercent(%)	0.0	PPF_G(umol/s)	12.130		
TM-30 Rf	65.70	BinkExponent	0.00	PPF_R(umol/s)	20.177		
TM-30 Rg	114.20	Φ <sub>eb</sub> (mW)	3579.922	PPF_FR(umol/s)	22.350		
Dominant(nm)	380.00	Φ <sub>ey</sub> (mW)	2628.132	PPF_IR(umol/s)	0.218		

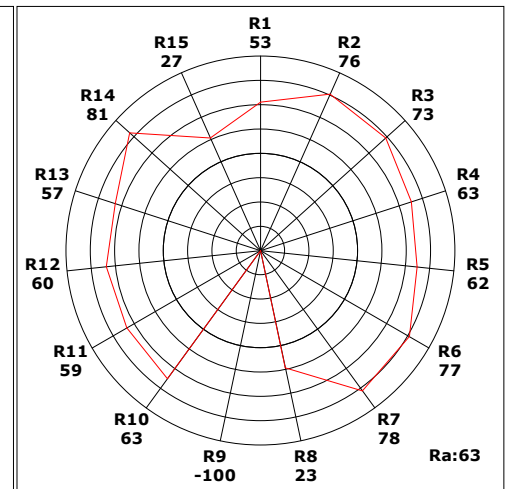
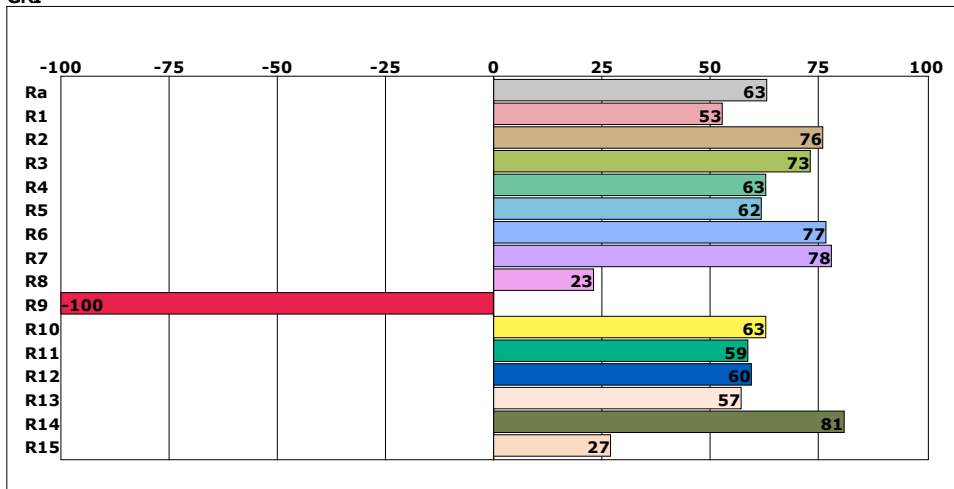
**Spectrogram**



**CIE1931**



**CRI**



**Instrument Status**

Type: OHSP-350M

Integral Time: 16.000ms

SN: 0

VPeak: 61503

Scan Range: 350-800nm

VDark: 2888

Remark:

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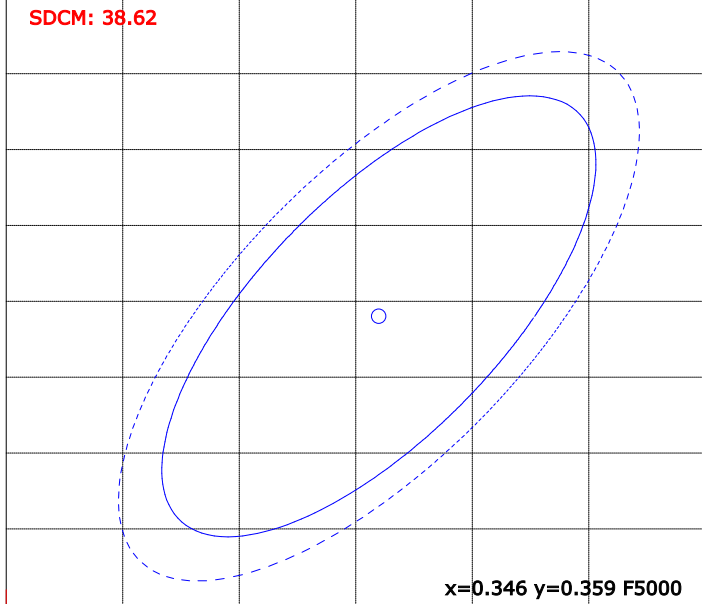
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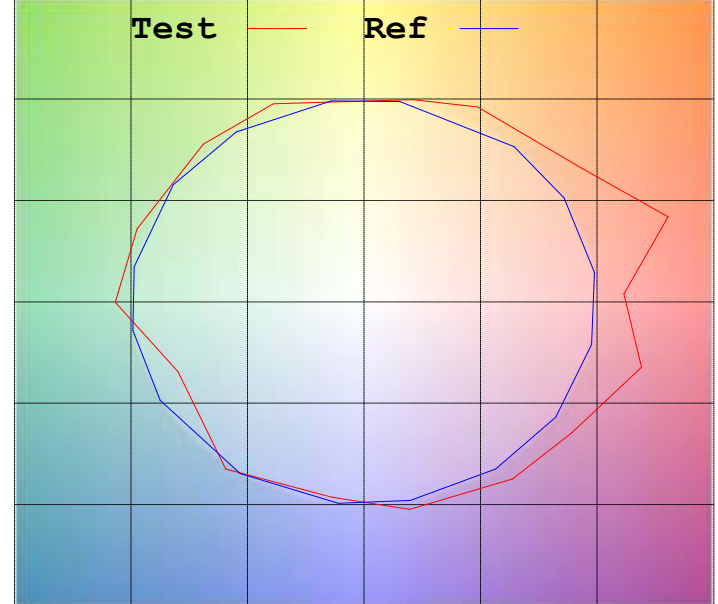
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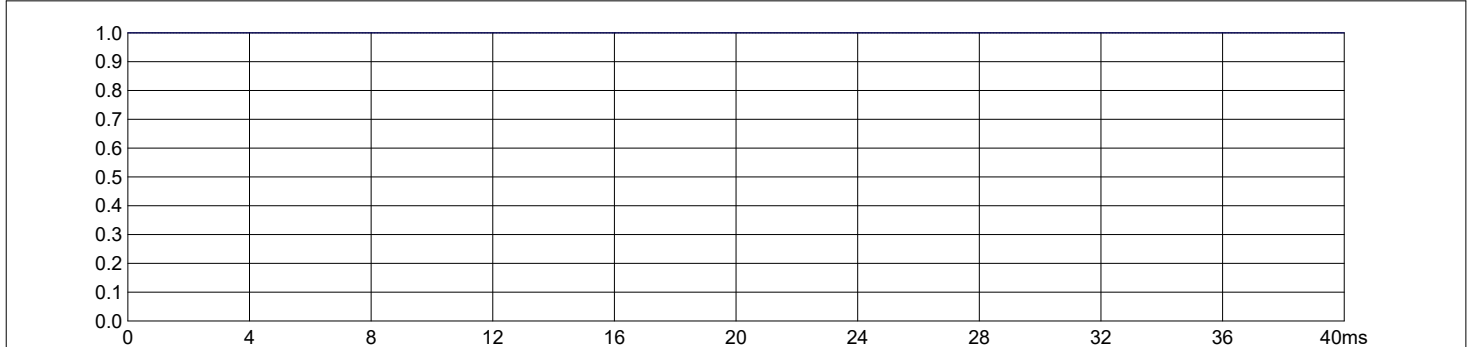
**SDCM**



**TM30**



**Flicker**



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Remark: