

Spectral illumination test report

Sample Information:

Sample name: 100GL(1m)

Sample No: 05

DATE: 2025/03/19

Temperature: 25°C

Remark:

SAMPLE MODEL

Manufacturer:

Tester: ZHOU

Humidity: 55%RH

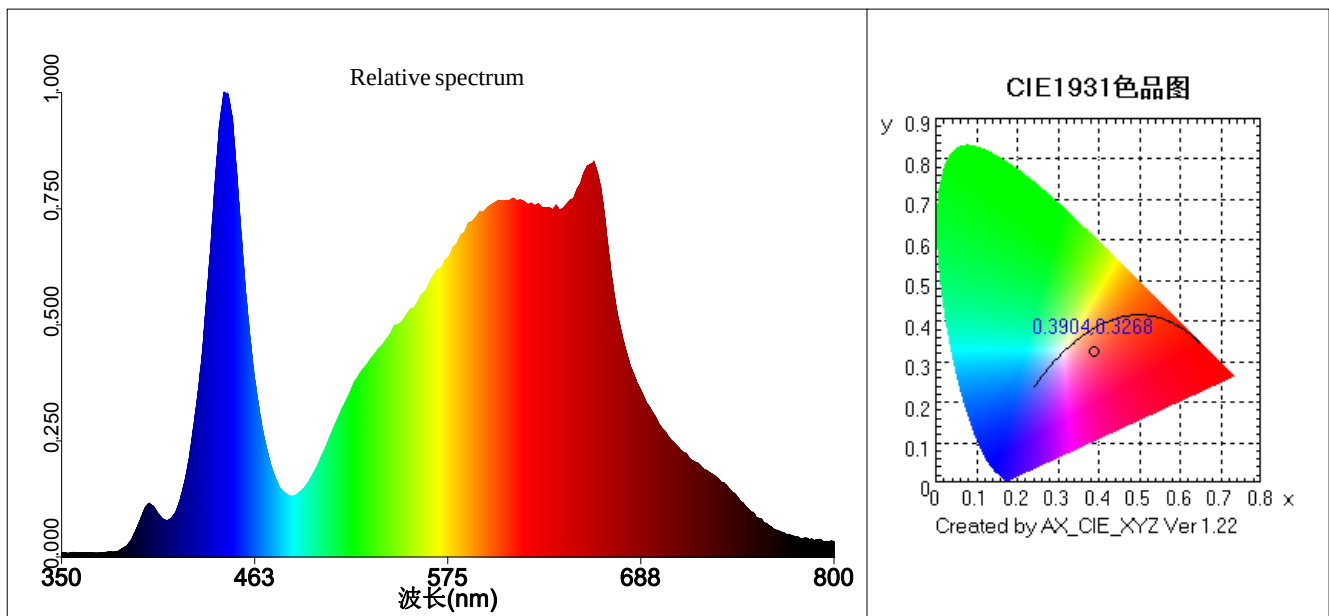
Instrument status:

Measuring instrument: PLA

Integration: 23.0 ms

PEAK AD Ip: 42717.8

Average number of times: 1



Measurement parameters:

IlluminanceE= 2.0534e+003 lx

IlluminanceE(fc)=190.832 fc

IrradianceEe=0.0000e+000 W/m2

CIE-x= 0.3904

CCT=3236 K

Pur=15.2 %

DUV=-0.0276

CIE-y= 0.3268

Lp=445.0 nm

RedRatio(%)=24.3

S/P=1.54

CIE-u'=0.2543

HW=25.7 nm

GreenRatio(%)=72.6

CIE-v'=0.4789

Ld=631.6 nm

BlueRatio(%)=3.1

Ra=91.0

R4=86

R8=88

R12=89

R1=96

R5=95

R9=83

R13=95

R2=95

R6=91

R10=88

R14=94

R3=92

R7=86

R11=86

R15=95

SDCM=26.7(3500K/White)

White light level :OUT

Eb=0.00000 (W/m2)

Ep=6.87950 (W/m2)

Ey=2.62127 (W/m2)

PPFD=36.87954 ($\mu\text{mol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$)

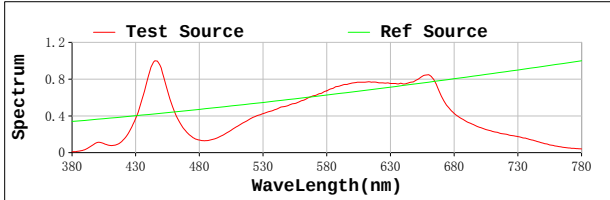
Er=3.35673 (W/m2)

Erb_Ratio=1.90605

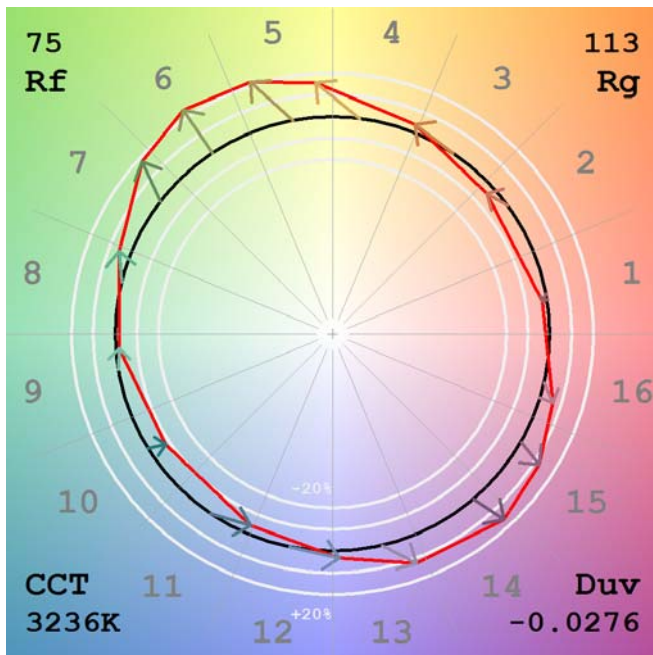
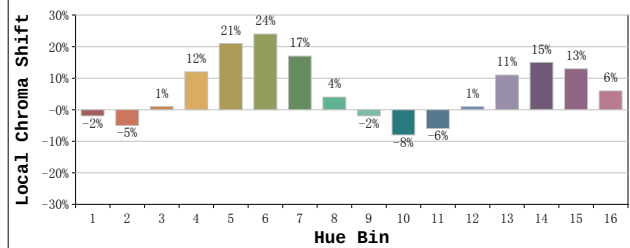
IES TM-30-18 Color Rendition Report

SPECTRAL POWER DISTRIBUTION COMPARISON

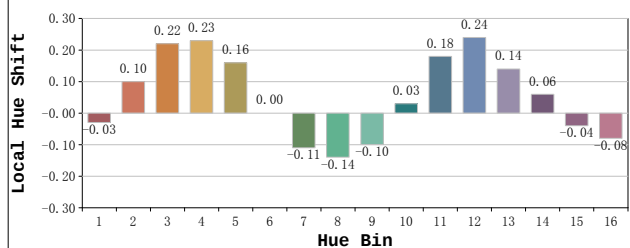
Rf: 75 CCT: 3236 K u': 0.2543
Rg: 113 Duv: -0.0276 v': 0.4789



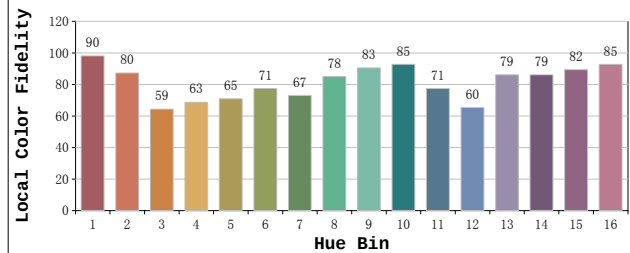
COLOR RENDITION BY HUE(Change of Chroma)



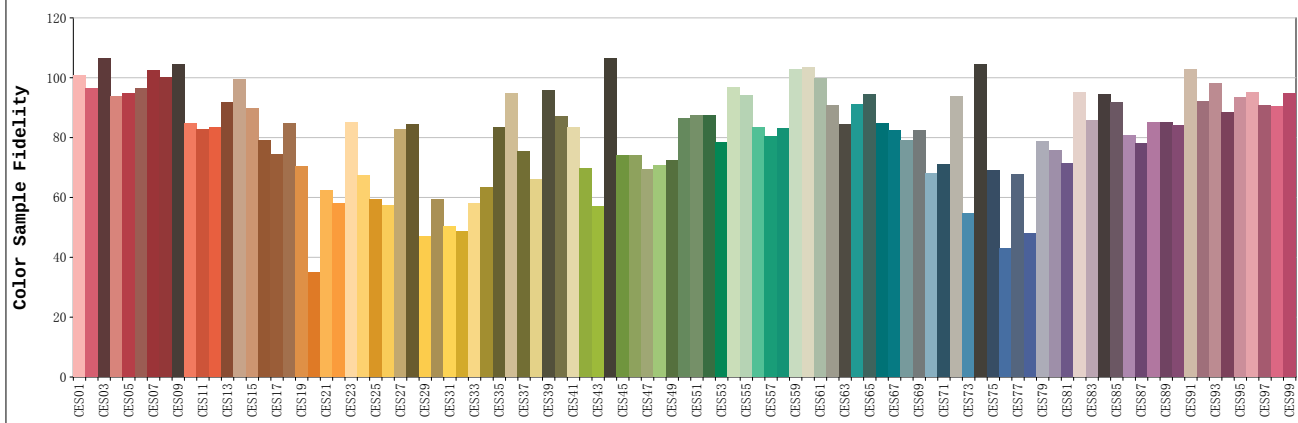
Local Hue Shift



COLOR RENDITION BY HUE(Fidelity Index)



Color Sample Fidelity Index



Colour Patches



Colourist's Advice Report

Sector	Lightness	Chroma	Hue
R	2	1	1
R/Y	2	1	4
Y	3	3	6
Y/G	1	3	1
G	0	3	-1
G/C	-3	0	-3
C	-4	0	2
C/B	-6	1	6
B	-1	4	4
B/M	-2	4	2
M	0	3	-1
M/R	1	2	-2

SPECTRAL POWER DISTRIBUTION COMPARISON

TLCI-2012: 52

CCT: 3236 K

Duv: -0.0276

