

Spectral illumination test report

Sample Information:

Sample name: 225 red + blue

Sample No: 18

DATE: 2025/03/18

Temperature: 25°C

Note: Center distance 60cm directly below

SAMPLE MODEL

Manufacturer: -

TESTER: ZHOU

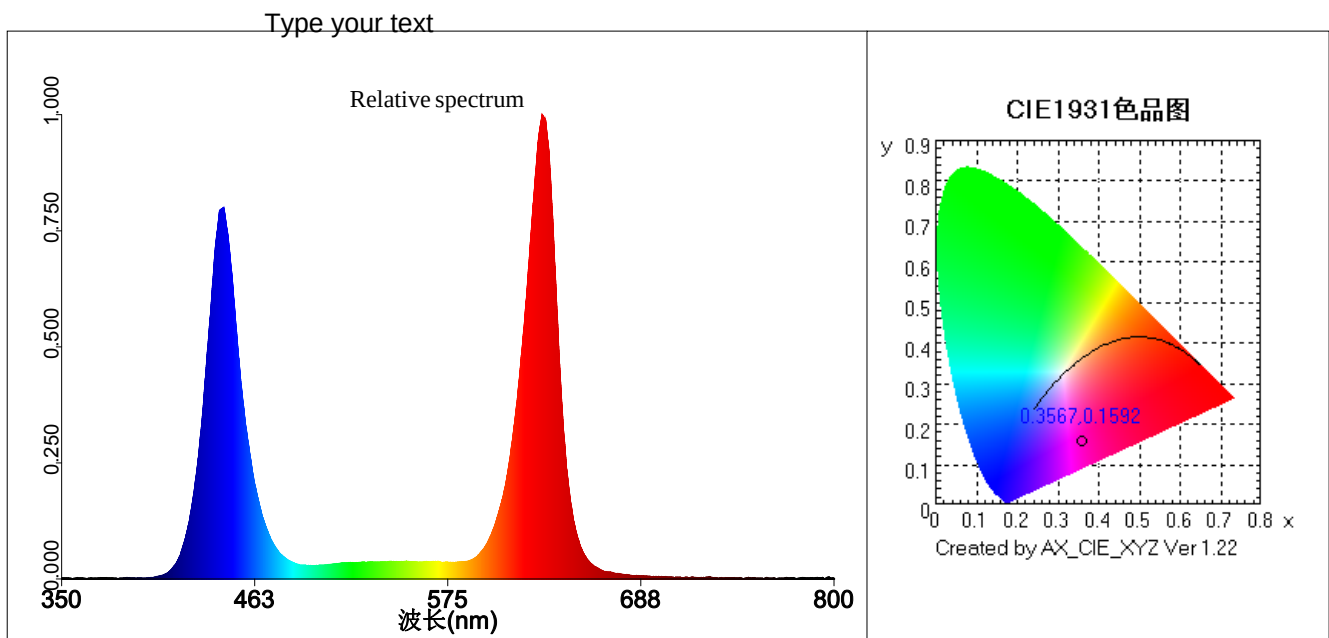
Humidity: 56%RH

Instrument status:

Measuring instrument: PLA

Integration time: 5.1 ms PEAK AD AD Ip: 42836.7

Average number of times: 1



Measurement parameters:

Illuminance E= 1.7950e+003 lx

IlluminanceE(fc)=166.819 fc

IrradianceEe=0.0000e+000 W/m2

CIE-x= 0.3567

CCT=1648 K

Pur=46.4 %

DUV=-0.1330

CIE-y= 0.1592

Lp=630.0 nm

RedRatio(%)=65.2

S/P=2.36

CIE-u'=0.3400

HW=21.3 nm

GreenRatio(%)=27.3

CIE-v'=0.3413

Ld=-547.4000 nm

BlueRatio(%)=7.5

Ra=1.4

R4=81

R8=74

R12=-340.0840

R1=17

R5=-16.6810

R9=20

R13=-15.9179

R2=-16.3345

R6=-109.5490

R10=-132.9110

R14=44

R3=-20.3642

R7=1

R11=44

R15=16

SDCM=98.5(3500K/White)

White light level:OUT

Eb=0.00017 (W/m2)

Ep=10.24047 (W/m2)

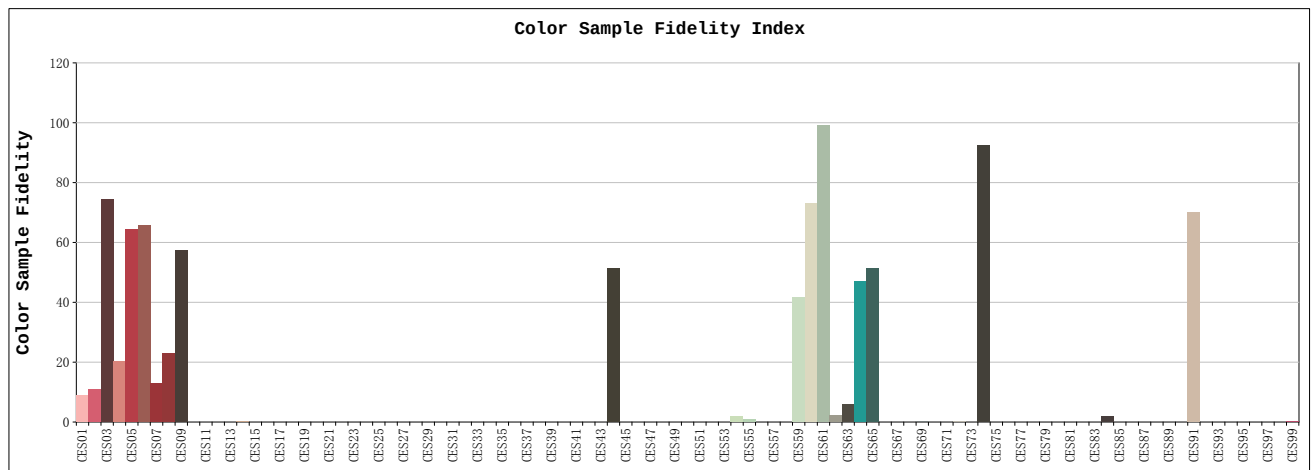
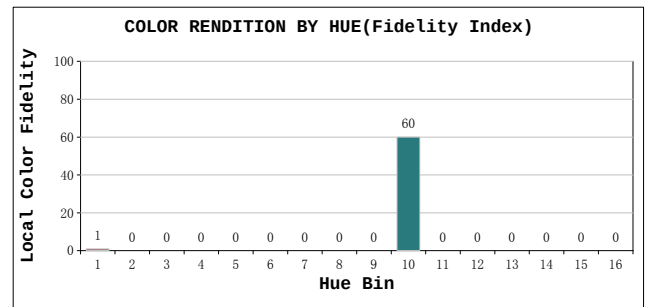
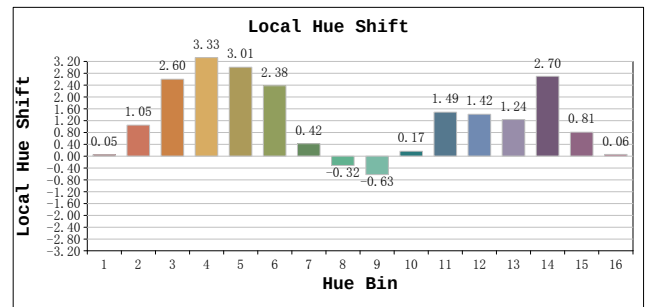
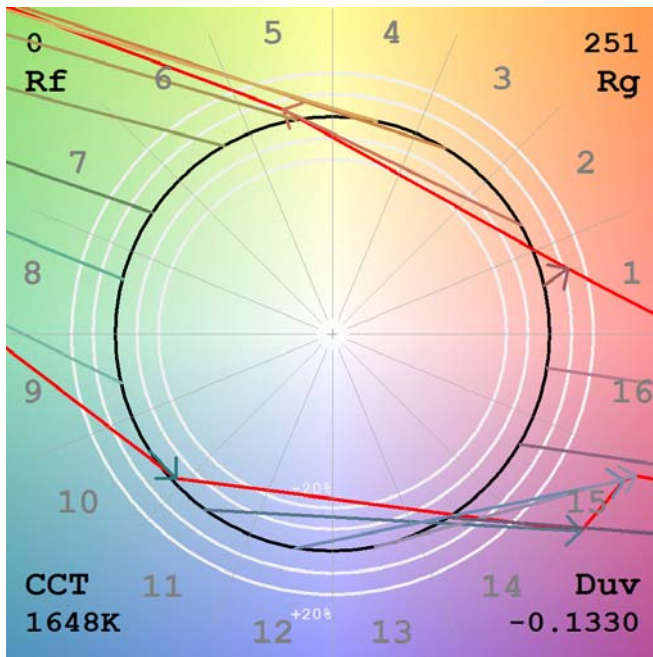
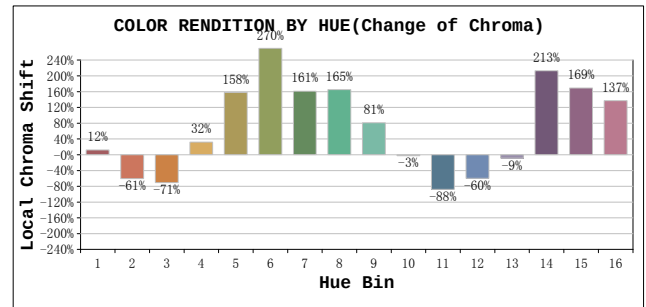
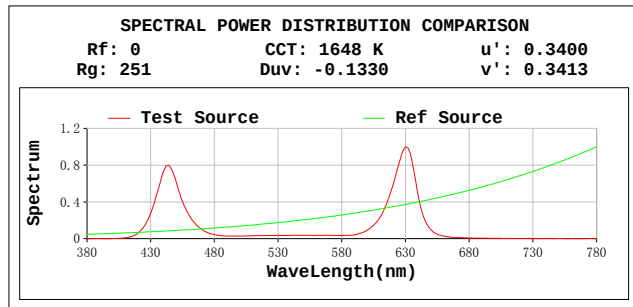
Ey=0.89462 (W/m2)

PPFD=53.43291 ($\mu\text{mol} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$)

Er=5.82107 (W/m2)

Erb_Ratio=1.16022

IES TM-30-18 Color Rendition Report



Colour Patches



Colourist's Advice Report

Sector	Lightness	Chroma	Hue
R	13	5	2
R/Y	1	3	-1
Y	-2	2	-4
Y/G	-3	1	0
G	-6	4	1
G/C	-4	4	-4
C	-2	3	-4
C/B	0	1	-4
B	3	0	-4
B/M	4	1	-2
M	5	2	1
M/R	12	3	4

SPECTRAL POWER DISTRIBUTION COMPARISON

TLCI-2012: 26

CCT: 1648 K

Duv: -0.1330

