

Spectral illumination test report

Sample Information:

Sample name: Four round head clip lamp - warm white SAMPLE MODEL
 Sample No.: 16 Manufacturer: -
 DATE: 2025/03/18 Tester: ZHOU
 Temperature: 25 °C Humidity: 56%RH
 Remark:

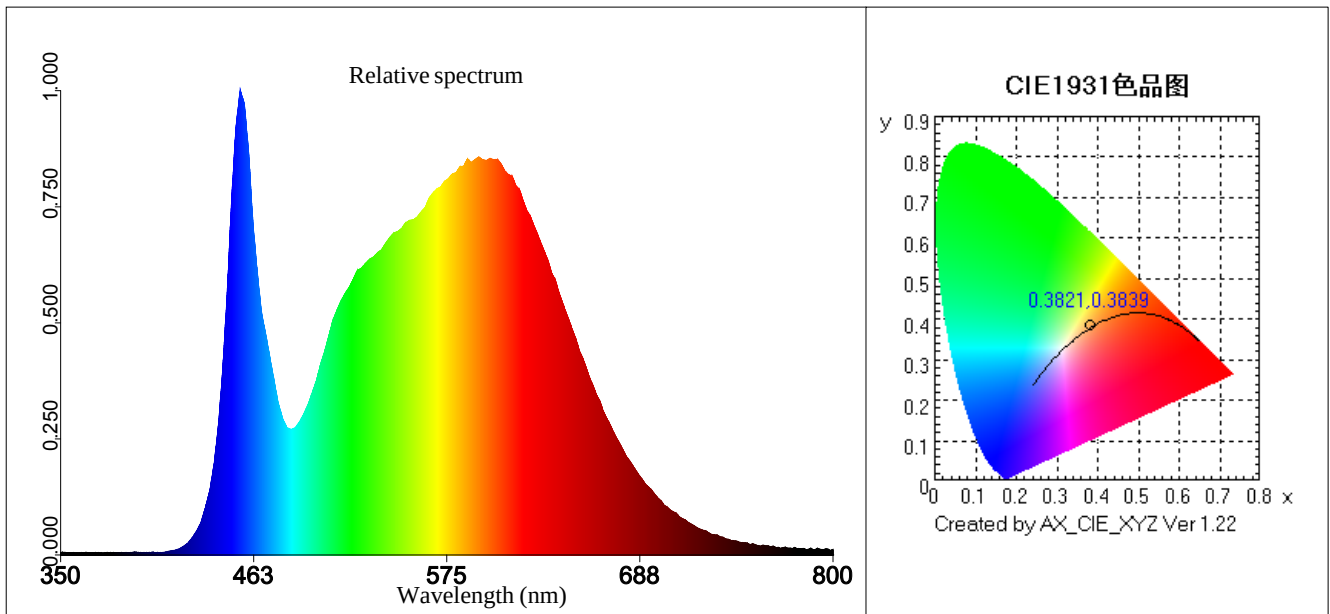
Instrument status:

Measuring instrument: PLA

Integration time: 19.3 ms

PEAK AD Ip: 42625.3

Average number of times: 1



Measurement parameters:

Illuminance E = 2.9448e+003 lx

IlluminanceE(fc)=273.678 fc

Irradiance Ee=0.0000e+000 W/m2

CIE-x= 0.3821

CIE-y= 0.3839

CIE-u'=0.2234

CIE-v'=0.5049

CCT=4007 K

Lp=455.0 nm

HW=22.3 nm

Ld=577.6 nm

Pur=29.9 %

RedRatio(%)=18.4

GreenRatio(%)=77.9

BlueRatio(%)=3.7

DUV=0.0028

S/P=1.71

Ra=84.0

R1=83

R2=91

R3=96

R4=81

R5=82

R6=87

R7=87

R8=66

R9=14

R10=77

R11=80

R12=57

R13=85

R14=98

R15=76

SDCM= 1.5(F4000)

White light level: C78.377_4000K

Eb=0.00000 (W/m2)

Ey=4.06879 (W/m2)

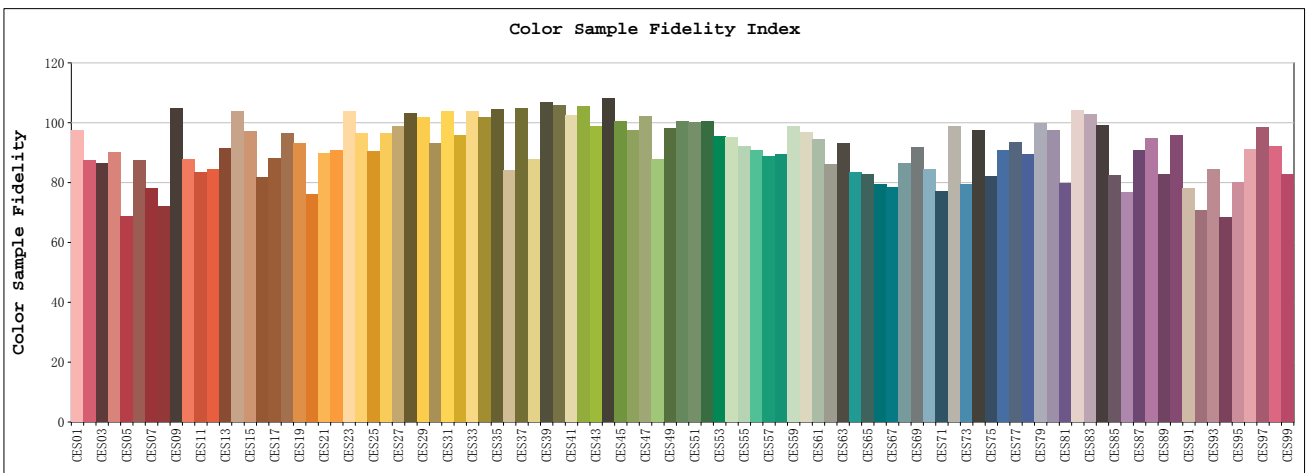
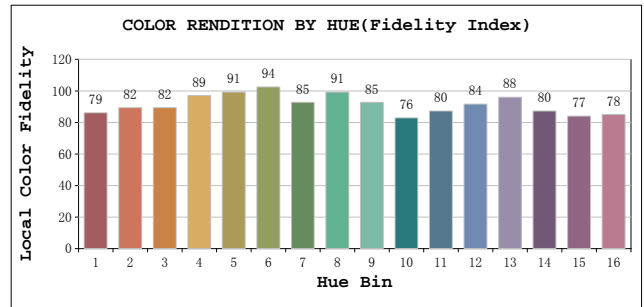
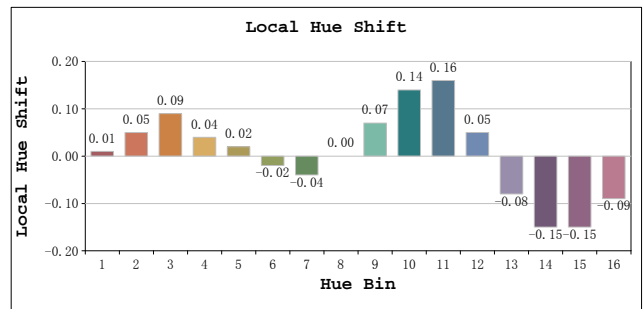
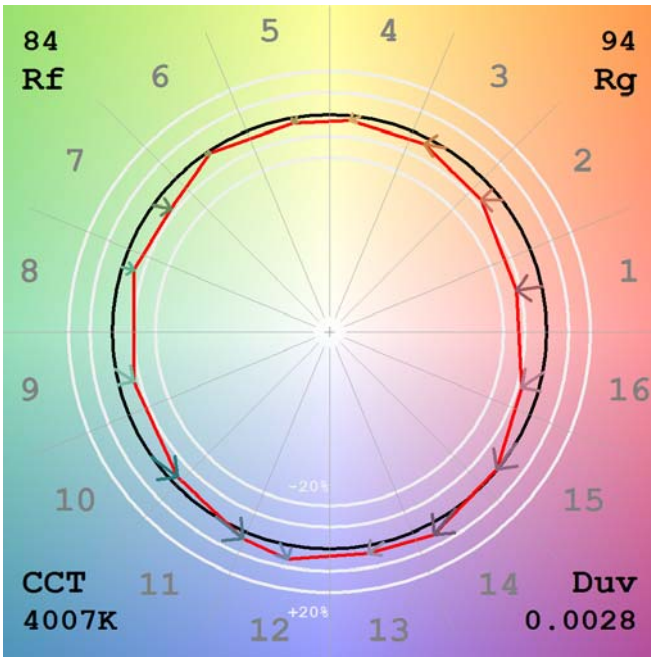
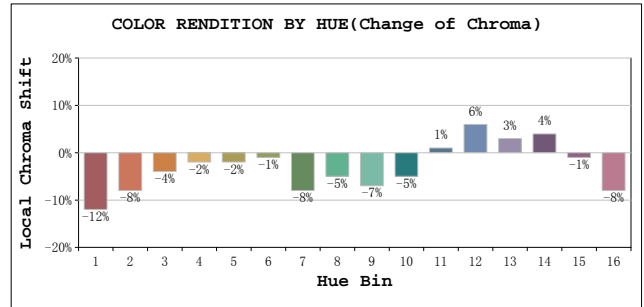
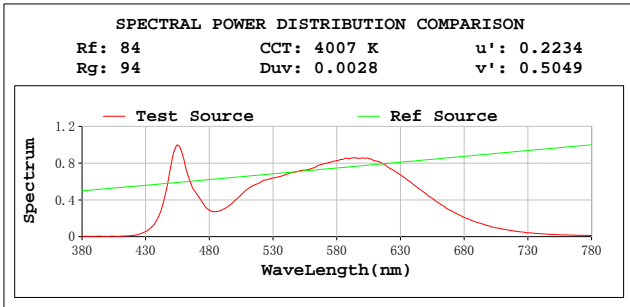
Er=2.79997 (W/m2)

Ep=7.58220 (W/m2)

PPFD=40.79355 (μmol·m-2·s-1)

Erb_Ratio=1.52723

IES TM-30-18 Color Rendition Report



Colour Patches



Colourist's Advice Report

Sector	Lightness	Chroma	Hue
R	-2	-1	0
R/Y	1	-1	3
Y	2	1	4
Y/G	1	1	1
G	1	0	0
G/C	0	-1	1
C	-1	-2	2
C/B	-3	2	7
B	-1	2	3
B/M	-2	0	-1
M	-3	0	-1
M/R	-3	-1	-1

SPECTRAL POWER DISTRIBUTION COMPARISON

TLCI-2012: 67

CCT: 4007 K

Duv: 0.0028

