



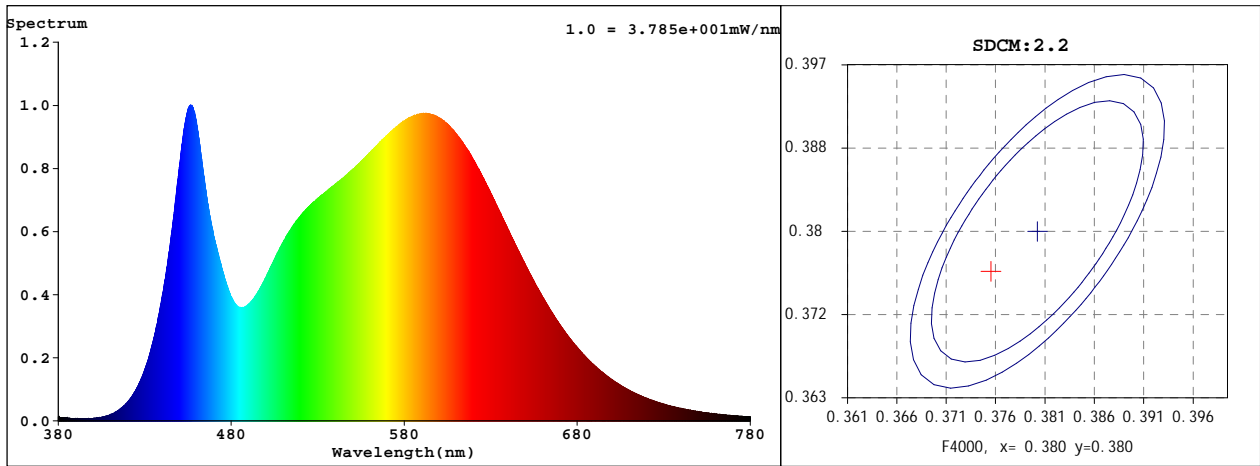
## Spectrum Test Report

Sample	:	Date	: 2024-07-04
Specification	:	Sam. Status	:
Sample No.	: 20W-1	Standard	:
Manufacturer	:	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	:

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53399 (81%)
Test Mode	: Fast Test	T	: 180 ms

**Spectrum** : High



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3753$   $y = 0.3760$  /  $u' = 0.2220$   $v' = 0.5005$  ( $duv=1.17e-03$ )

CCT= 4139K Prcp WL: Ld=577.9nm Purity=25.5%

Peak WL: Lp=456nm FWHM: =30.6nm Ratio:R=17.8% G=78.1% B=4.1%

Render Index: Ra = 83.3

EEL: 0.12444 A+

R1 =82 R2 =91 R3 =96 R4 =80 R5 =81 R6 =87 R7 =86

R8 =65 R9 =10 R10=77 R11=78 R12=62 R13=84 R14=98 R15=76

### Photometric & Radiometric Parameters

Flux = 2151.8 lm Eff. : 109.47 lm/W Fe = 6.5918 W

### Electrical parameters

V = 230.12 V I = 0.1459 A P = 19.66 W PF = 0.5856 F=50.00 Hz

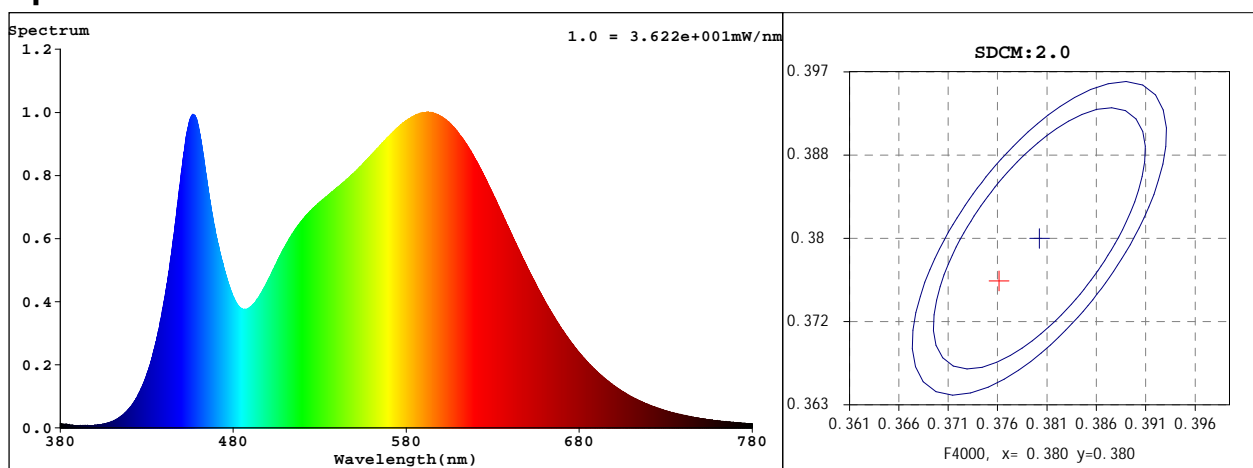
## Spectrum Test Report

Sample :	Date : 2024-07-04
Specification :	Sam. Status :
Sample No. : 20W-2	Standard :
Manufacturer :	Instrument : HaasSuite(EVERFINE)
Remark :	Test by :

### Test Condition

Temperature : 25.3Deg	RH : 65.0%
WL Range : 380nm-780nm	IP : 52387 (80%)
Test Mode : Fast Test	T : 180 ms

**Spectrum** : High



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3759$   $y = 0.3757$  /  $u' = 0.2226$   $v' = 0.5004$  ( $duv=8.48e-04$ )

CCT= 4119K Prcp WL: Ld=578.1nm Purity=25.6%

Peak WL: Lp=592nm FWHM: =147.7nm Ratio:R=17.9% G=77.9% B=4.1%

Render Index: Ra = 83.5

EEL: 0.12476 A+

R1 =82 R2 =91 R3 =96 R4 =80 R5 =82 R6 =87 R7 =85

R8 =64 R9 =10 R10=78 R11=78 R12=63 R13=85 R14=98 R15=76

### Photometric & Radiometric Parameters

Flux = 2104.1 lm Eff. : 109.19 lm/W Fe = 6.4574 W

### Electrical parameters

V = 230.13 V I = 0.1438 A P = 19.27 W PF = 0.5821 F=50.00 Hz



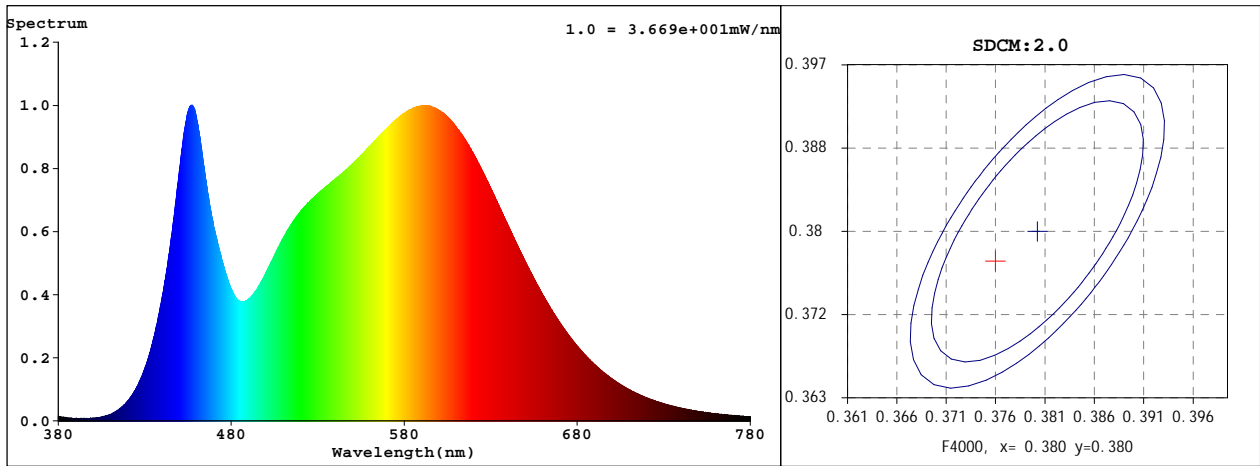
## Spectrum Test Report

Sample : Date : 2024-07-04  
Specification : Sam. Status :  
Sample No. : 20W-3 Standard :  
Manufacturer : Instrument : HaasSuite(EVERFINE)  
Remark : Test by :

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
WL Range : 380nm-780nm IP : 53074 (81%)  
Test Mode : Fast Test T : 180 ms

Spectrum : High



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3758$   $y = 0.3770$  /  $u' = 0.2219$   $v' = 0.5010$  ( $duv=1.51e-03$ )

CCT= 4129K Prcp WL: Ld=577.7nm Purity=25.9%

Peak WL: Lp=457nm FWHM: =31.8nm Ratio:R=17.8% G=78.1% B=4.1%

Render Index: Ra = 83.2

EEL: 0.12477 A+

R1 =81 R2 =91 R3 =96 R4 =79 R5 =81 R6 =87 R7 =85

R8 =64 R9 =9 R10=78 R11=78 R12=63 R13=84 R14=98 R15=75

### Photometric & Radiometric Parameters

Flux = 2136.0 lm Eff. : 109.17 lm/W Fe = 6.5350 W

### Electrical parameters

V = 230.11 V I = 0.1457 A P = 19.57 W PF = 0.5838 F=50.00 Hz