

Integrating Sphere Test Reports

RGB3000K-4in1-CC5050-60-12-10m-GP

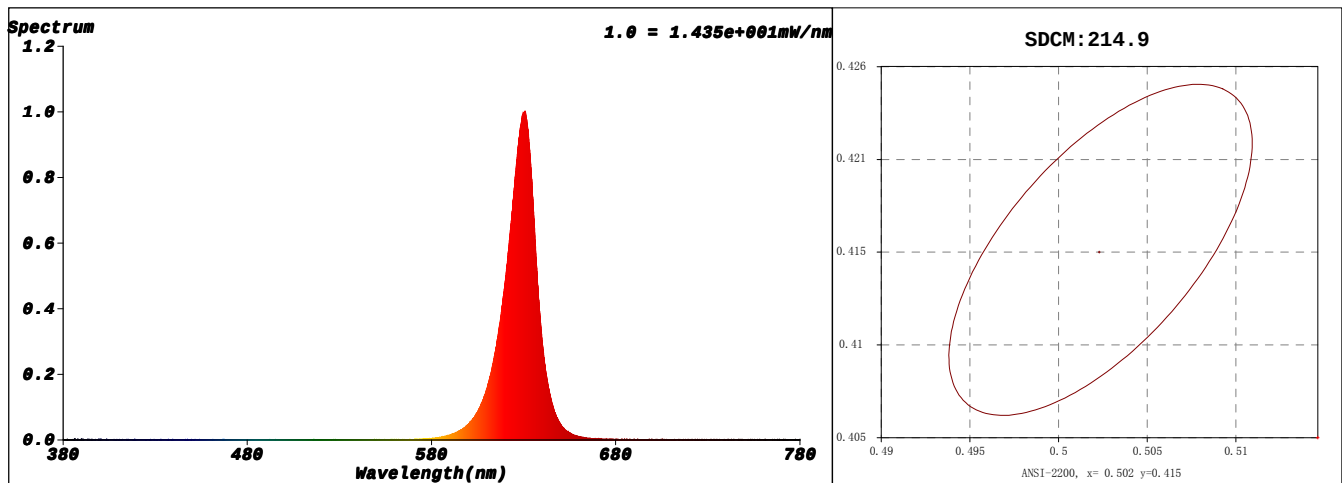
Test Sample: 1000mm

Test Condition

Temperature : 26.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 54%
IP : 51444 (78%)
T : 3226 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6929$ $y = 0.3066$ / $u' = 0.5236$ $v' = 0.5213$ ($duv = -7.61e-02$)CCT= 1001K Prcp WL: $L_d = 620.9\text{nm}$ Purity=99.9%Peak WL: $L_p = 631\text{nm}$ FWHM: $\approx 17.1\text{nm}$ Ratio: R=95.5% G=4.5% B=0.0%Render Index: $R_a = 26.7$

R1 =7	R2 =78	R3 =31	R4 =0	R5 =1	R6 =89	R7 =6	
R8 =0	R9 =0	R10=71	R11=0	R12=79	R13=30	R14=60	R15=0

Photometric & Radiometric Parameters

Flux = 61.797 lm Eff. : 28.23 lm/W $F_e = 297.87\text{ mW}$ (EQE):164.91%

Electrical parameters

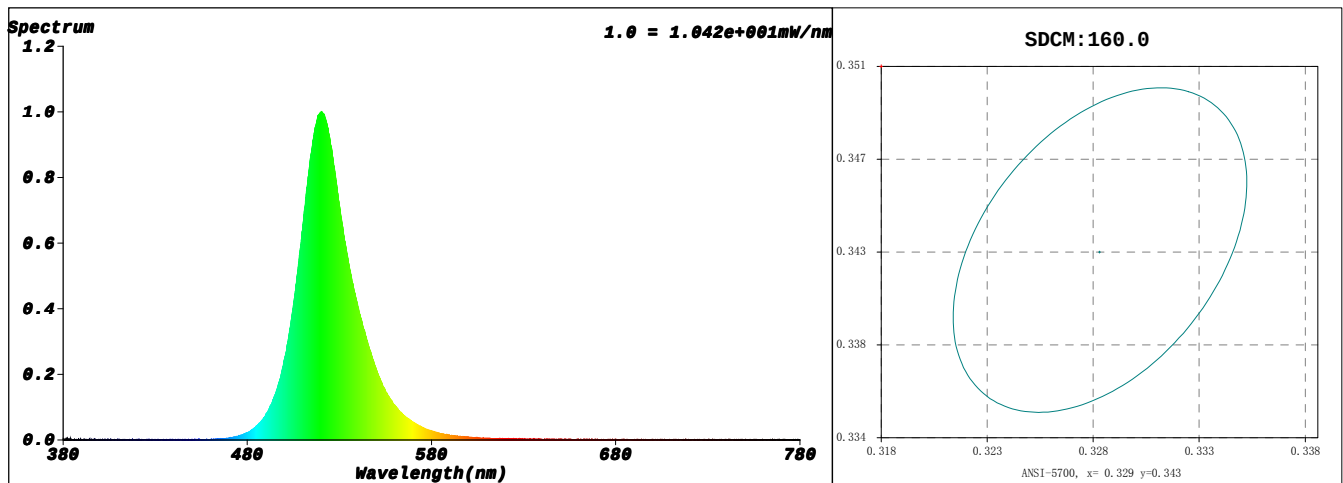
 $V = 24.00\text{ V}$ $I = 0.09120\text{ A}$ $P = 2.189\text{ W}$ PF = 1.000 F=0.00 Hz

Test Condition

Temperature : 26.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 54%
IP : 51470 (79%)
T : 3326 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1643$ $y = 0.7336$ / $u' = 0.0573$ $v' = 0.5754$ ($duv=1.60e-01$)

CCT= 7869K Prcp WL: $L_d=526.7nm$ Purity=82.2%

Peak WL: $L_p=520nm$ FWHM: $=29.3nm$ Ratio:R=0.3% G=97.9% B=1.8%

Render Index: $R_a = 0.0$

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=36 R15=0

Photometric & Radiometric Parameters

Flux = 181.56 lm Eff. : 82.32 lm/W $F_e = 371.43 mW$ (EQE):170.97%

Electrical parameters

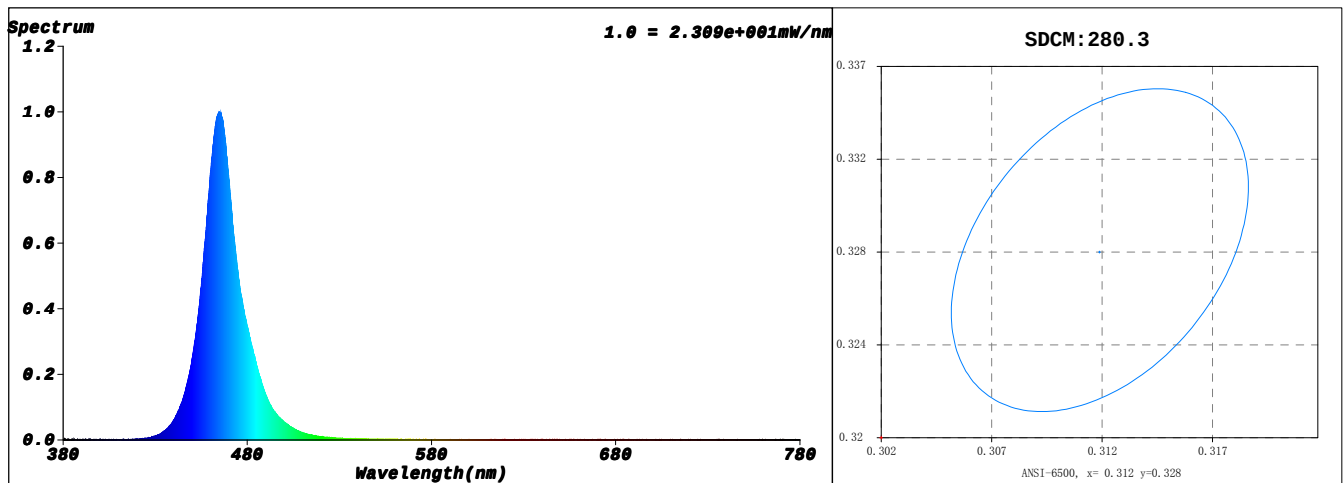
V = 24.00 V I = 0.09190 A P = 2.206 W PF = 1.000 F=0.00 Hz

Test Condition

Temperature : 26.6Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 54%
 IP : 54014 (82%)
 T : 2000 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1332$ $y = 0.0632$ / $u' = 0.1525$ $v' = 0.1629$ ($duv=1.60e-01$)

CCT>=100000K Prcp WL: $L_d=469.1nm$ Purity=96.7%

Peak WL: $L_p=465nm$ FWHM: $=19.7nm$ Ratio:R=0.5% G=15.8% B=83.8%

Render Index: $R_a = 0.5$

R1 =0	R2 =0	R3 =0	R4 =0	R5 =4	R6 =0	R7 =0
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0 R15=0

Photometric & Radiometric Parameters

Flux = 40.857 lm Eff. : 18.48 lm/W Fe = 581.90 mW (EQE):238.25%

Electrical parameters

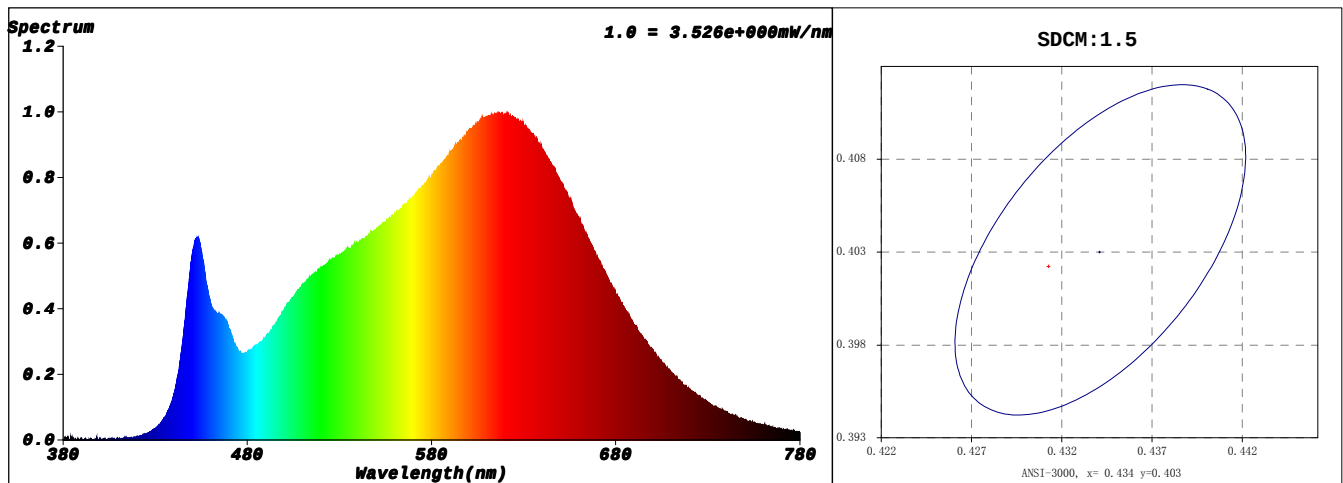
V = 24.00 V I = 0.09210 A P = 2.210 W PF = 1.000 F=0.00 Hz

Test Condition

Temperature : 26.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 54%
IP : 21640 (33%)
T : 5000 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4311 y = 0.4025 / u' = 0.2475 v' = 0.5199 (duv=2.12e-04)

CCT= 3088K Prcp WL: Ld=582.4nm Purity=50.2%

Peak WL: Lp=621nm FWHM: =161.5nm Ratio:R=23.7% G=73.1% B=3.2%

Render Index: Ra = 92.5

R1 =93	R2 =97	R3 =99	R4 =92	R5 =93	R6 =96	R7 =91
R8 =80	R9 =56	R10=93	R11=93	R12=79	R13=94	R14=100 R15=88

Photometric & Radiometric Parameters

Flux = 178.24 lm Eff. : 80.64 lm/W Fe = 598.03 mW (EQE):307.76%

Electrical parameters

V = 24.00 V I = 0.09210 A P = 2.210 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample :
Specification : RGB3000K-4in1-CC5050-60-12-10m
Sample No. : All
Manufacturer : 0009BV-0020

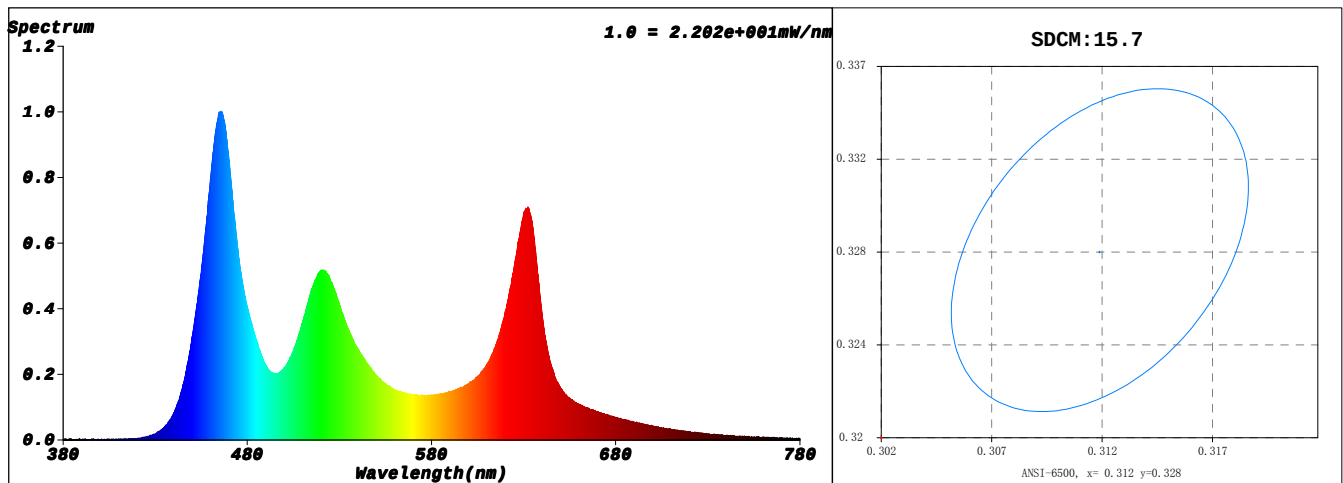
Date : 2025-04-24 15:13:02
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : Tim
Assessor : damin

Test Condition

Temperature : 26.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 54%
IP : 51740 (79%)
T : 2000 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2946$ $y = 0.3028$ / $u' = 0.1950$ $v' = 0.4509$ ($duv = -7.34e-04$)

CCT= 8100K Prcp WL: $L_d = 480.6\text{nm}$ Purity=15.8%

Peak WL: $L_p = 466\text{nm}$ FWHM: $\approx 22.0\text{nm}$ Ratio: R=21.2% G=69.3% B=9.5%

Render Index: $R_a = 61.7$

R1 =49	R2 =69	R3 =87	R4 =61	R5 =61	R6 =65	R7 =71	
R8 =32	R9 =0	R10=33	R11=55	R12=61	R13=51	R14=89	R15=39

Photometric & Radiometric Parameters

Flux = 426.61 lm Eff. : 51.38 lm/W $F_e = 1.7053\text{ W}$ (EQE):216.03%

Electrical parameters

$V = 24.00\text{ V}$ $I = 0.3460\text{ A}$ $P = 8.304\text{ W}$ PF = 1.000 F=0.00 Hz