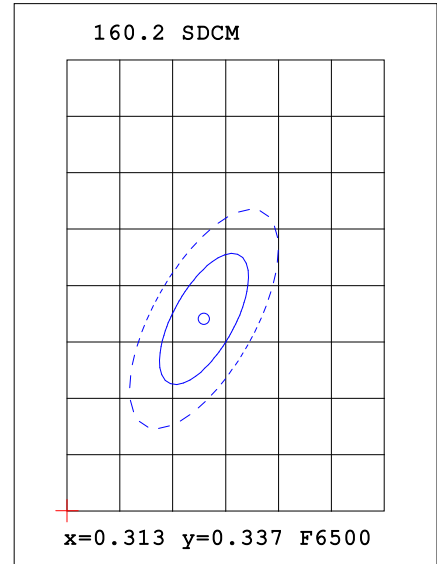
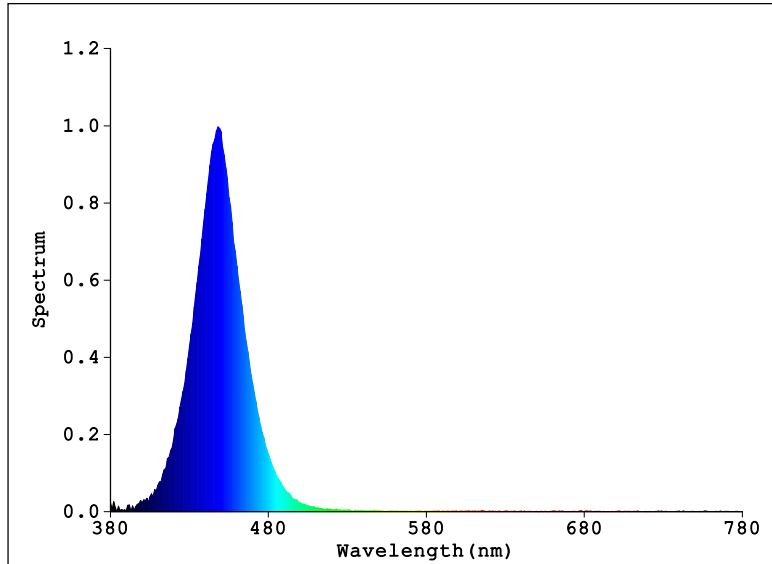


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1534$ $y=0.0264$ $u'=0.2039$ $v'=0.0790$ $duv=-2.093e-001$
 $T_c=1000000K$ Dominant WL: $L_d=454.9nm$ Purity=98.8%
 Ratio: R=1.4% G=15.8% B=82.8% Peak WL: $L_p=448.2nm$ HWL: 32.0nm
 Render Index: $R_a=-51.8$ [None]
 R1 = -1 R2 = -39 R3 = -152 R4 = -94 R5 = 10 R6 = -49 R7 = -51
 R8 = -39 R9 = -237 R10 = -217 R11 = -121 R12 = -125 R13 = -16 R14 = -33 R15 = 19

Photo Parameters: $e=1.223e-002umol/s$ blue ratio=0.0265 fluo. eff.=1.517e-003

Flux = 1.174 lm Eff. : 21.22 lm/W Fe = 32.56 mW

Electrical parameters:

VF = 2.768 V IF = 20.00 mA P = 55.36 mW Ch1

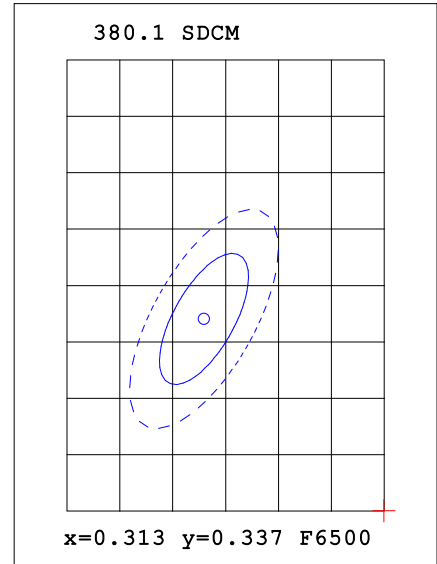
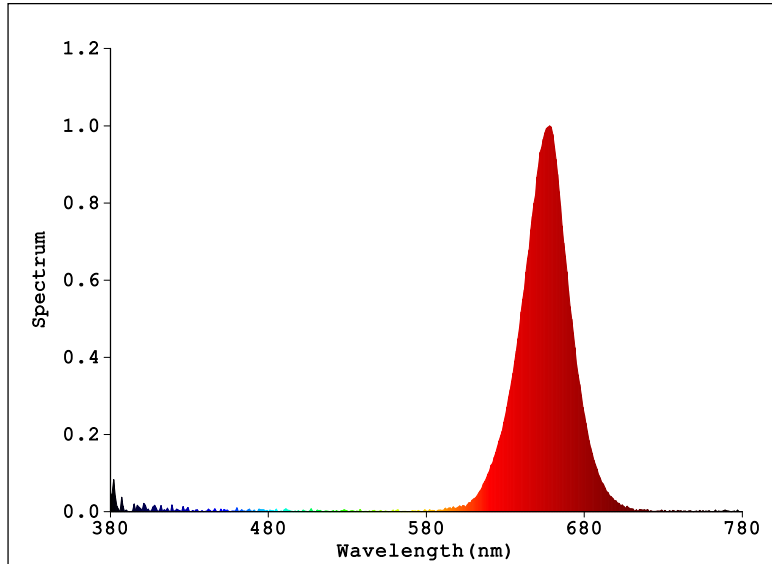
LEVEL: 407 WHITE: OUT

Status: T=60.00ms Ip=2032 (3%) [HAAS2000_V1_USB] V2.00.167

Model: 5050
 Tester: DAMIN
 Temperature: 23Deg
 Manufactory: EVERFINE
 Assessor: damin
 System: WY + HAAS2000_V1_USB

Number: 12
 Date: 2025-05-22 12-17
 Humidity: 65.0%
 Remarks: ---

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6950$ $y=0.2798$ $u'=0.5596$ $v'=0.5069$ $duv=-1.094e-001$
 $T_c=1001K$ Dominant WL: $L_d=647.3nm$ Purity=92.5%
 Ratio: R=96.9% G=2.6% B=0.5% Peak WL: $L_p=657.8nm$ HWL: 32.3nm
 Render Index: $R_a=37.9$ [None]
 R1 =35 R2 =96 R3 =31 R4 =10 R5 =45 R6 =90 R7 =25
 R8 =-27 R9 =-149 R10=88 R11=27 R12=3 R13=58 R14=59 R15=5

Photo Parameters:

$e=7.423e-003umol/s$ blue ratio=64.3 fluo. eff.= $3.533e-002$
 Flux = 1.015 lm Eff. : 26.66 lm/W Fe = 13.66 mW

Electrical parameters:

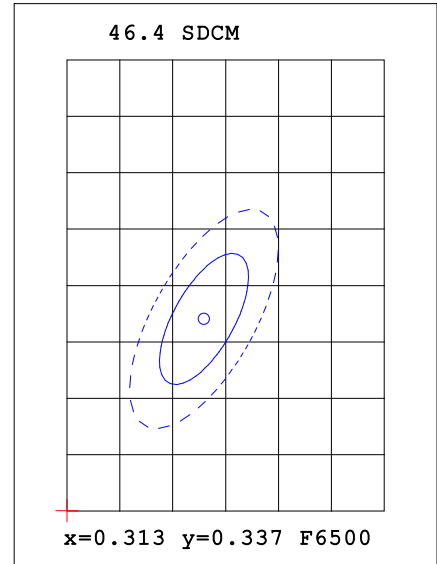
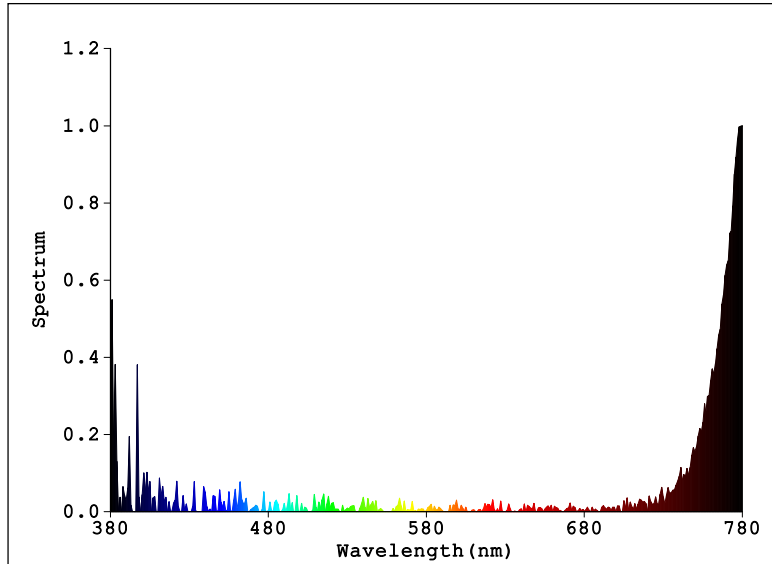
VF = 1.904 V IF = 20.00 mA P = 38.08 mW Ch1
 LEVEL:327 WHITE:OUT

Status: T=60.00ms Ip=2350 (4%) [HAAS2000_V1_USB] V2.00.167

Model:5050
 Tester:DAMIN
 Temperature:23Deg
 Manufactory:EVERFINE
 Assessor:damin
 System:WY + HAAS2000_V1_USB

Number:13
 Date:2025-05-22 12-18
 Humidity:65.0%
 Remarks:---

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.2577$ $y=0.2510$ $u'=0.1875$ $v'=0.4110$ $duv=-3.251e-003$
 $T_c=22680K$ Dominant WL: $L_d=475.3nm$ Purity=33.7%
 Ratio: R=13.3% G=74.7% B=12.0% Peak WL: $L_p=780.0nm$ HWL: 13.5nm
 Render Index: $R_a=92.6$ [None]
 R1 =88 R2 =95 R3 =97 R4 =82 R5 =90 R6 =91 R7 =98
 R8 =100 R9 =96 R10=88 R11=74 R12=90 R13=87 R14=97 R15=93

Photo Parameters:

$e=7.042e-004umol/s$ blue ratio=4.45 fluo. eff.= $3.108e-003$
 Flux = 0.0366 lm Eff. : 1.13 lm/W $F_e = 1.228 mW$

Electrical parameters:

VF = 1.614 V IF = 20.00 mA P = 32.29 mW Ch1
 LEVEL:302 WHITE:OUT

Status: $T=60.00ms$ $I_p=811 (1\%)$ [HAAS2000_V1_USB] V2.00.167

Model:5050
 Tester:DAMIN
 Temperature:23Deg
 Manufactory:EVERFINE
 Assessor:damin
 System:WY + HAAS2000_V1_USB

Number:14
 Date:2025-05-22 12-18
 Humidity:65.0%
 Remarks:---