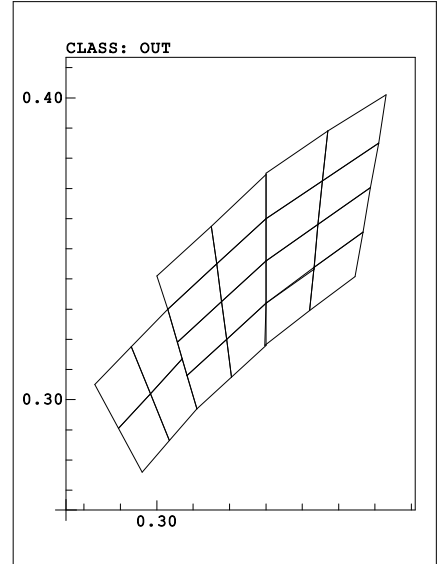
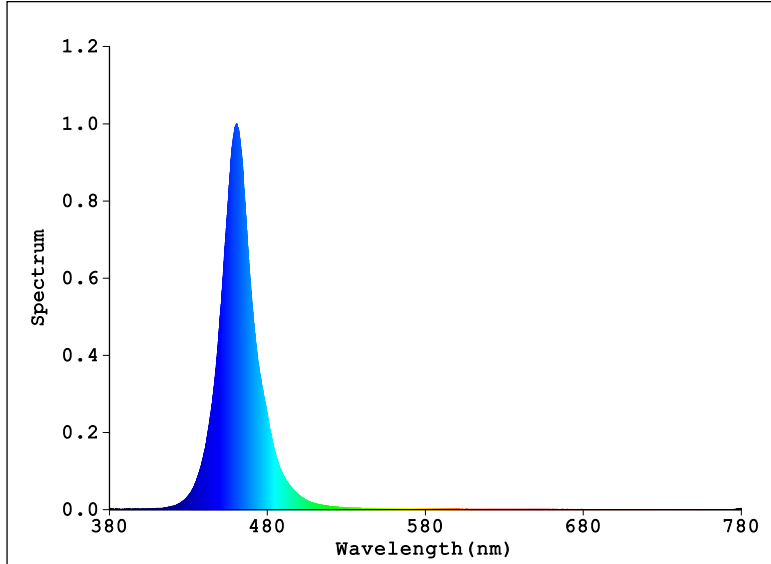


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1415$ $y=0.0489$ $u'=0.1714$ $v'=0.1331$ $duv=1.774e-001$
 Tc=1000000K Dominant WL:Ld=465.0nm Purity=96.9%
 Ratio:R=0.8% G=17.5% B=81.6% Peak WL:Lp=460.4nm HWL:20.8nm
 Render Index:Ra=-49.2
 R1 = -8 R2 = -38 R3 = -138 R4 = -86 R5 = 8 R6 = -47 R7 = -47
 R8 = -37 R9 = -263 R10 = -212 R11 = -115 R12 = -99 R13 = -25 R14 = -29 R15 = 6

Photo Parameters:

Flux = 1.314 lm Eff. : 21.43 lm/W Fe = 22.22 mW

Electrical parameters:

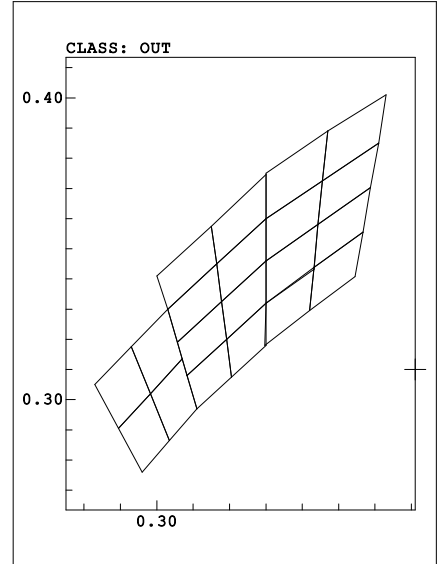
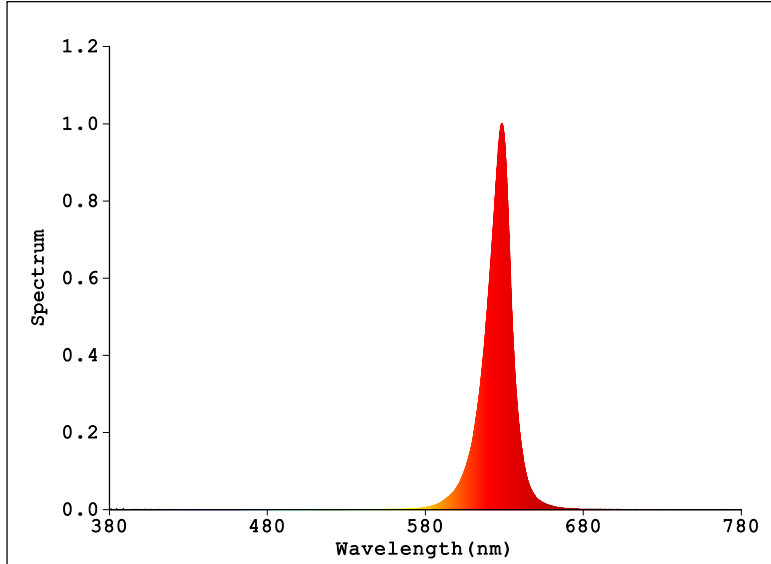
VF = 3.081 V IF = 19.90 mA P = 61.32 mW Ch1
 LEVEL:507 WHITE:OUT

Status: T=65.00ms Ip=25182 (38%) [PHAD=97] [HAAS2000_V1_USB] V2.00.167

Model:
 Tester:
 Temperature:Deg
 Manufactory:
 Assessor:damin
 System:WY + HAAS2000_V1_USB

Number:10690
 Date:2019-06-28
 Humidity:%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6894$ $y=0.3100$ / $u'=0.5163$ $v'=0.5224$ $duv=-6.867e-002$
 Tc=1001K Dominant WL:Ld=619.2nm Purity=99.9%
 Ratio:R=95.4% G=4.6% B=0.0% Peak WL:Lp=628.5nm HWL:16.0nm
 Render Index:Ra=16.0
 R1 =9 R2 =78 R3 =32 R4 =-24 R5 =3 R6 =90 R7 =7
 R8 =-68 R9 =-217 R10=71 R11=-13 R12=79 R13=31 R14=61 R15=-31

Photo Parameters:

Flux = 2.760 lm Eff. : 64.12 lm/W Fe = 12.38 mW

Electrical parameters:

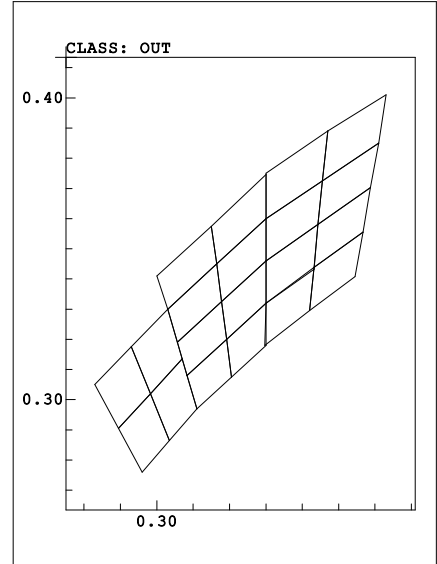
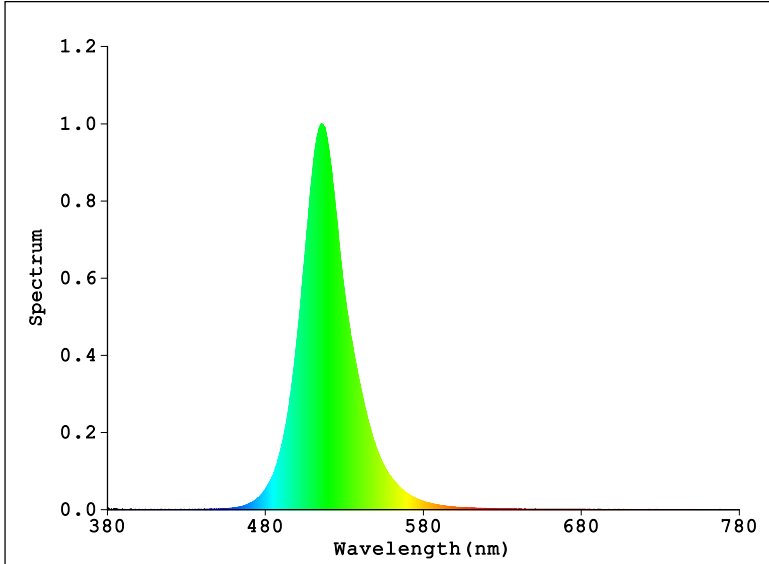
VF = 2.163 V IF = 19.90 mA P = 43.05 mW Ch1
 LEVEL:327 WHITE:OUT

Status: T=66.00ms Ip=37068 (57%) [PHAD=97] [HAAS2000_V1_USB] V2.00.167

Model:
 Tester:
 Temperature:Deg
 Manufactory:
 Assessor:damin
 System:WY + HAAS2000_V1_USB

Number:10691
 Date:2019-06-28
 Humidity:%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1386$ $y=0.7101$ $u'=0.0493$ $v'=0.5684$ $duv=1.647e-001$
 Tc=8458K Dominant WL:Ld=520.0nm Purity=75.3%
 Ratio:R=0.3% G=97.0% B=2.7% Peak WL:Lp=515.5nm HWL:30.6nm
 Render Index:Ra=-24.4
 R1 =-35 R2 =-8 R3 =-24 R4 =-63 R5 =-9 R6 =-18 R7 =-8
 R8 =-31 R9 =-353 R10=-107 R11=-91 R12=-31 R13=-42 R14=38 R15=-31

Photo Parameters:

Flux = 5.412 lm Eff. : 90.98 lm/W Fe = 12.25 mW

Electrical parameters:

VF = 2.989 V IF = 19.90 mA P = 59.48 mW Ch1
 LEVEL:418 WHITE:OUT

Status: T=91.00ms Ip=21802 (33%) [PHAD=97] [HAAS2000_V1_USB] V2.00.167

Model:
 Tester:
 Temperature:Deg
 Manufactory:
 Assessor:damin
 System:WY + HAAS2000_V1_USB

Number:10692
 Date:2019-06-28
 Humidity:%
 Remarks: