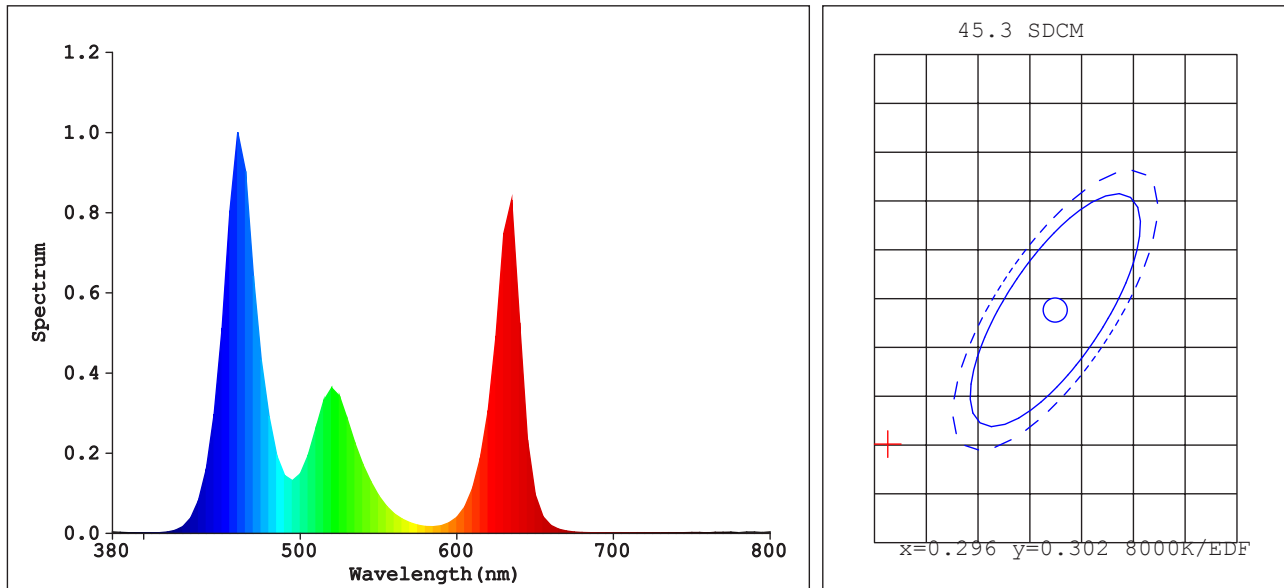


DISPLAYCOBFC 15° WITH FROST FILTER

60W compact full colour COB PAR with parabolic reflector



Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.2619$ ($dx=-0.1026$) $y=0.2185$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.2055$ $v'=0.3857$ ($duv=-2.64e-02$)

Tc=100000K Dominant WL:Ld=459.7nm Purity=37.8% Centroid WL:510.0nm

Ratio:R=28.3% G=59.1% B=12.6% Peak WL:Lp=460.0nm HWL:23.7nm

Render Index:Ra=17.2

R1 =-16 R2 =33 R3 =71 R4 =6 R5 =13 R6 =36 R7 =49

R8 =-53 R9 =-366 R10=-47 R11=-14 R12=38 R13=-9 R14=74 R15=-45

Photo Parameters:

Flux: 1512.0 lm Fe: 7.7193 W Efficacy:23.60 lm/W Scotopic:6040.6lm S/P:3.9951

Electrical Parameters:

Lamp : U=231.6V I=0.2823A P=64.06W PF=0.9798

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]

REF=20848 (R=3)

%=-0.288%

$I_p=18123$ (G=3,D=59)

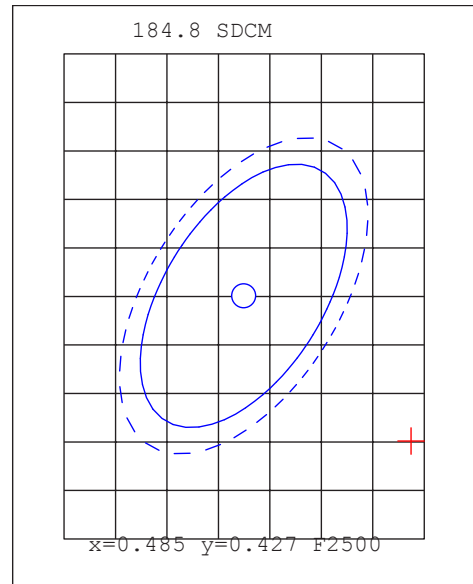
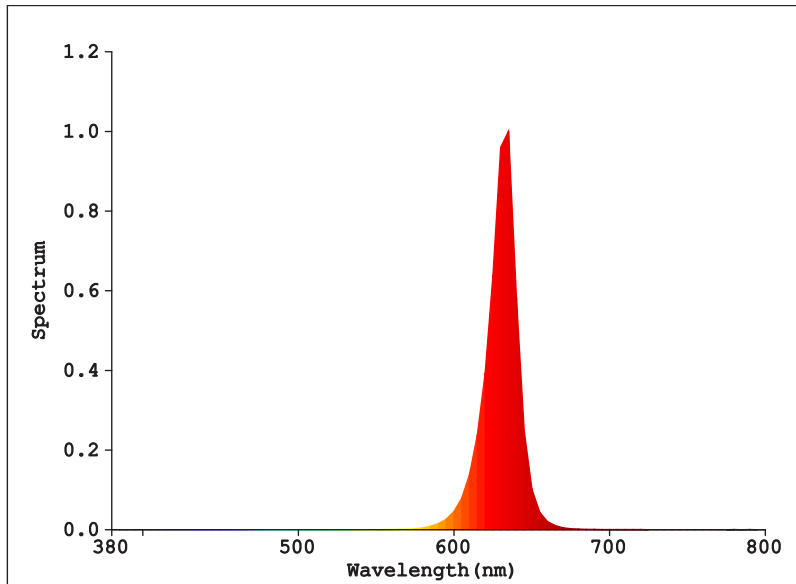
PMT: 32.6 centigrade [150.0]

DISPLAYCOBFC 15° WITH FROST FILTER

60W compact full colour COB PAR with parabolic reflector



Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.6963$ ($dx=-0.1026$) $y=0.3035$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.5306$ $v'=0.5204$ ($duv=-8.30e-02$)

$T_c=1001K$ Dominant WL: $L_d=622.5nm$ Purity=100.0% Centroid WL: $631.0nm$

Ratio: $R=96.4\%$ $G=3.6\%$ $B=0.0\%$ Peak WL: $L_p=635.0nm$ HWL: $19.1nm$

Render Index: $R_a=16.5$

$R_1 = 8$ $R_2 = 77$ $R_3 = 33$ $R_4 = -25$ $R_5 = 3$ $R_6 = 88$ $R_7 = 10$

$R_8 = -63$ $R_9 = -212$ $R_{10} = 71$ $R_{11} = -14$ $R_{12} = 80$ $R_{13} = 30$ $R_{14} = 61$ $R_{15} = -30$

Photo Parameters:

Flux: $493.78 lm$ $F_e = 2.5951 W$ Efficacy: $21.18 lm/W$ Scotopic: $25.333lm$ S/P: 0.051304

Electrical Parameters:

Lamp : $U=231.1V$ $I=0.1246A$ $P=23.32W$ $PF=0.8097$

Instrument Status:

Scan Range: $380.0nm-800.0nm$ Interval: $5.0nm[0]$

REF=7710 ($R=3$)

$\%=-0.105\%$

$I_p=17570$ ($G=4, D=62$)

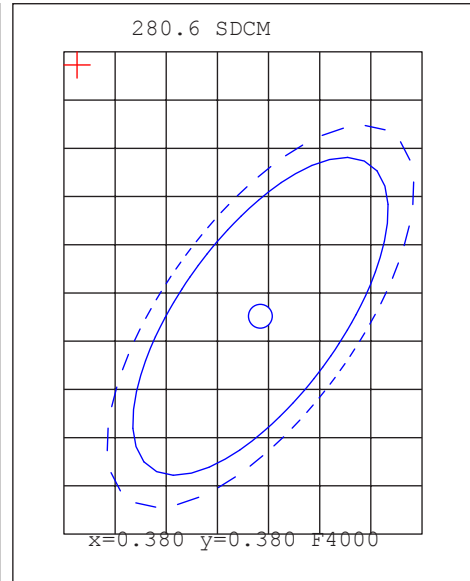
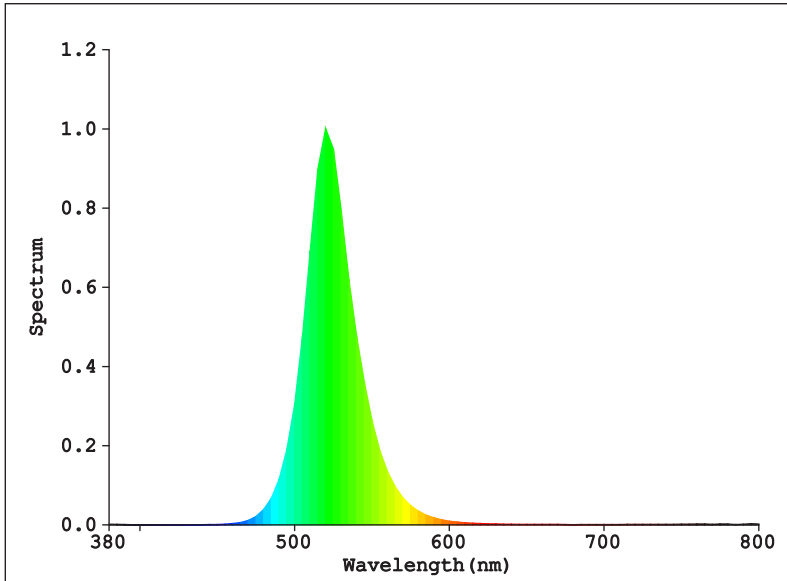
PMT: 32.8 centigrade [150.0]

DISPLAYCOBFC 15° WITH FROST FILTER

60W compact full colour COB PAR with parabolic reflector



Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.1699$ ($dx=-0.1026$) $y=0.7219$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.0600$ $v'=0.5738$ ($duv=1.57e-01$)

Tc=7838K Dominant WL:Ld=526.8nm Purity=79.9% Centroid WL:523.0nm

Ratio:R=0.3% G=98.0% B=1.7% Peak WL:Lp=520.0nm HWL:33.7nm

Render Index:Ra=-23.1

R1 ==-35 R2 ==-7 R3 ==-18 R4 ==-63 R5 ==-9 R6 ==-14 R7 ==-6

R8 ==-33 R9 ==-358 R10=-102 R11=-92 R12=-28 R13=-40 R14=41 R15=-33

Photo Parameters:

Flux: 1020.7 lm Fe: 2.1058 W Efficacy:40.11 lm/W Scotopic:2876.7lm S/P:2.8184

Electrical Parameters:

Lamp : U=231.5V I=0.2209A P=25.45W PF=0.4977

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=13660 (R=3) %=-0.037%

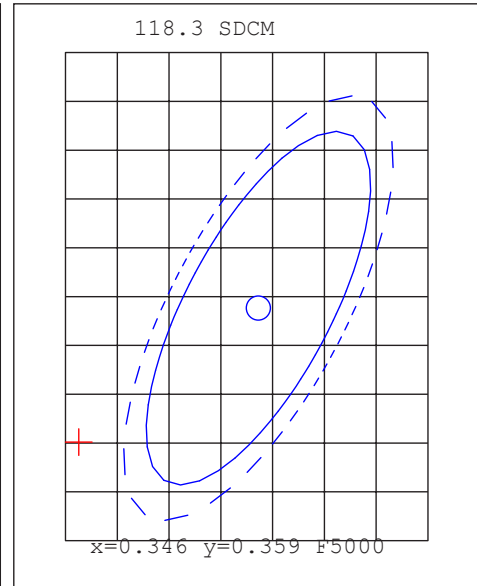
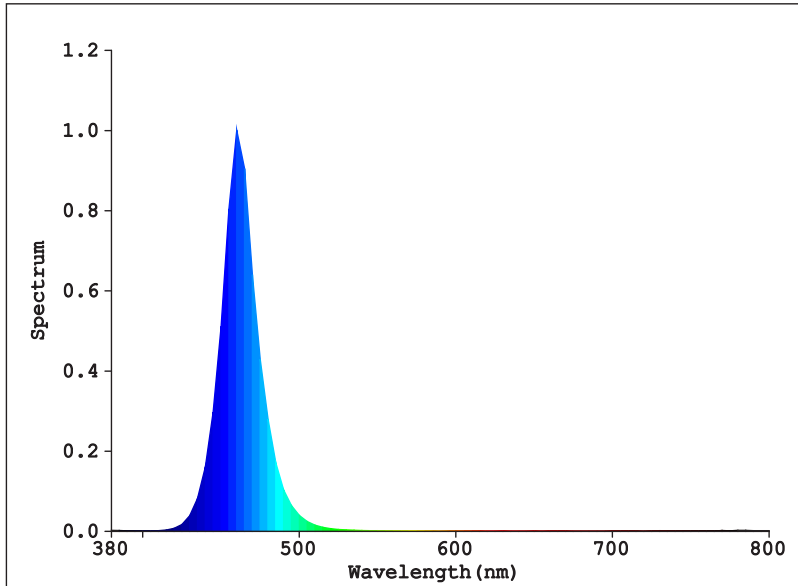
Ip=20564 (G=4,D=60)
PMT: 33.1 centigrade [150.0]

DISPLAYCOBFC 15° WITH FROST FILTER

60W compact full colour COB PAR with parabolic reflector



Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.1399$ ($dx=-0.1026$) $y=0.0480$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.1698$ $v'=0.1310$ ($duv=1.79e-01$)

Tc=100000K Dominant WL:Ld=465.3nm Purity=97.5% Centroid WL:462.0nm

Ratio:R=0.5% G=13.2% B=86.3% Peak WL:Lp=460.0nm HWL:23.6nm

Render Index:Ra=-53.8

R1 =-16 R2 =-48 R3 =-142 R4 =-85 R5 =1 R6 =-57 R7 =-48

R8 =-36 R9 =-274 R10=-237 R11=-116 R12=-113 R13=-36 R14=-32 R15=1

Photo Parameters:

Flux: 246.75 lm Fe: 4.3002 W Efficacy:9.481 lm/W Scotopic:4287.3lm S/P:17.375

Electrical Parameters:

Lamp : U=232.1V I=0.1607A P=26.02W PF=0.6976

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]

REF=29869 (R=4) %=-0.007%

$I_p=20588$ (G=3,D=60)

PMT: 33.2 centigrade [150.0]



WEBSITE: www.prolights.it

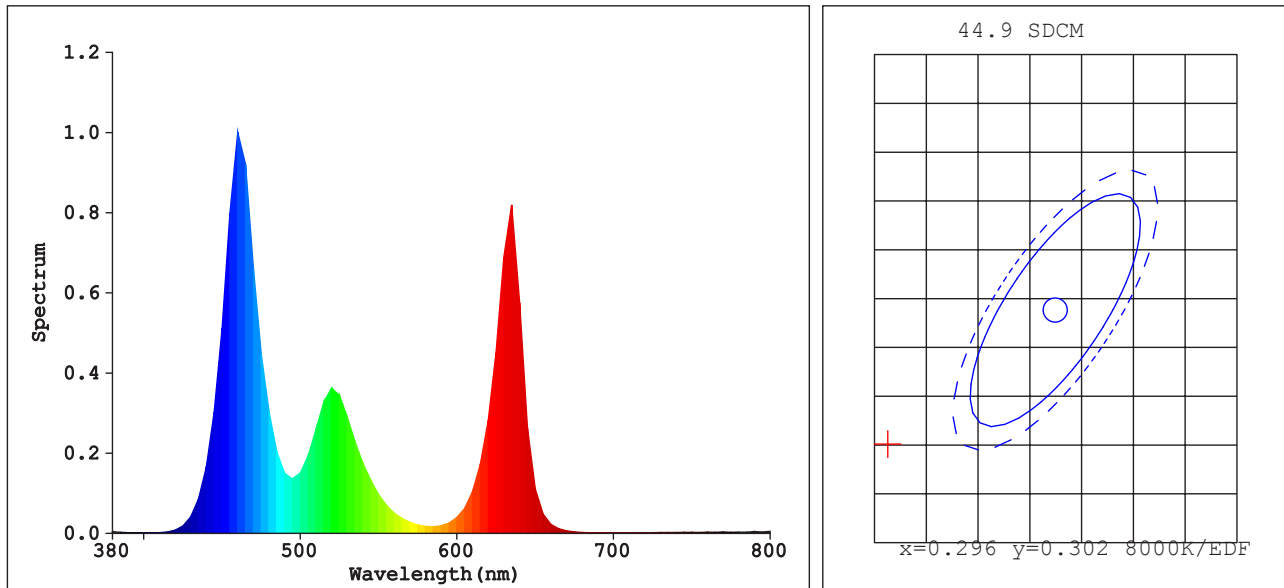
MAIL: support@musiclights.it



WEBSITE: www.prolights.it

MAIL: support@musiclights.it

Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.2577$ ($dx=-0.1026$) $y=0.2174$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.2024$ $v'=0.3842$ ($duv=-2.39e-02$)

Tc=100000K Dominant WL:Ld=463.1nm Purity=38.9% Centroid WL:508.0nm

Ratio:R=27.3% G=59.8% B=12.9% Peak WL:Lp=460.0nm HWL:24.1nm

Render Index:Ra=20.9

R1 =-11 R2 =35 R3 =72 R4 =13 R5 =18 R6 =39 R7 =51

R8 =-49 R9 =-358 R10=-43 R11=-5 R12=40 R13=-4 R14=76 R15=-40

Photo Parameters:

Flux: 1635.5 lm Fe: 8.4169 W Efficacy:25.67 lm/W Scotopic:6631.8lm S/P:4.0548

Electrical Parameters:

Lamp : U=231.4V I=0.2811A P=63.72W PF=0.9795

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]

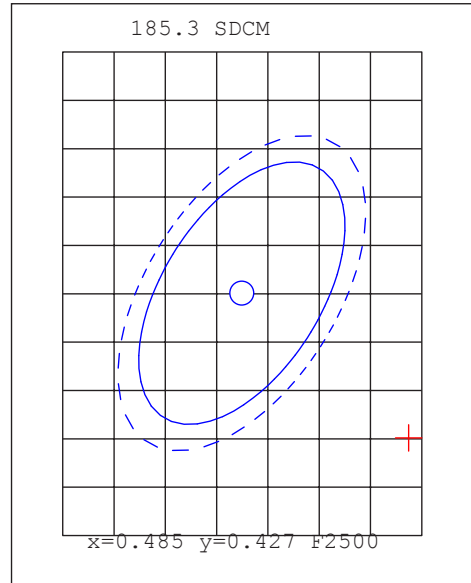
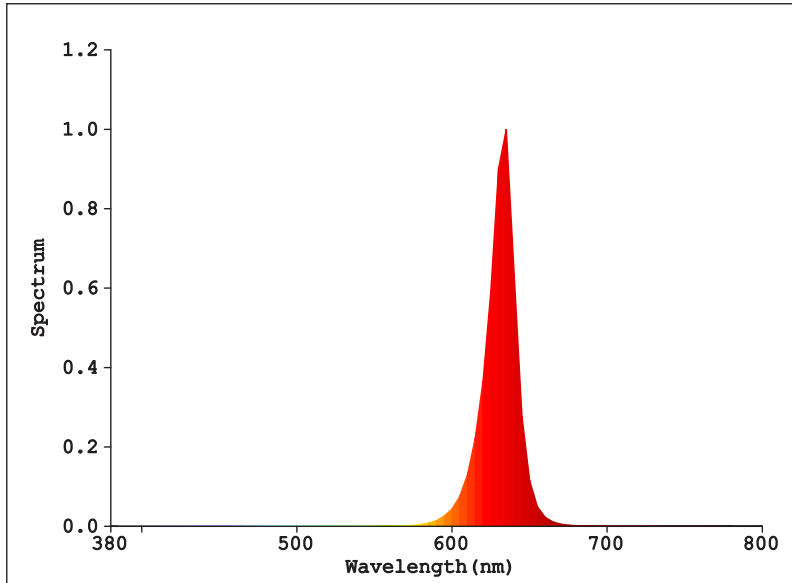
REF=22518 (R=3)

%=-0.285%

$I_p=19647$ (G=3,D=59)

PMT: 32.8 centigrade [150.0]

Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.6968$ ($dx=-0.1026$) $y=0.3029$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.5318$ $v'=0.5201$ ($duv=-8.42e-02$)

Tc=1001K Dominant WL:Ld=622.9nm Purity=99.9% Centroid WL:632.0nm

Ratio:R=96.3% G=3.7% B=0.0% Peak WL:Lp=635.0nm HWL:18.9nm

Render Index:Ra=17.4

R1 =8 R2 =78 R3 =34 R4 =-24 R5 =4 R6 =88 R7 =11

R8 =-61 R9 =-209 R10=72 R11=-13 R12=80 R13=30 R14=61 R15=-29

Photo Parameters:

Flux: 519.02 lm Fe: 2.7879 W Efficacy:22.41 lm/W Scotopic:26.773lm S/P:0.051584

Electrical Parameters:

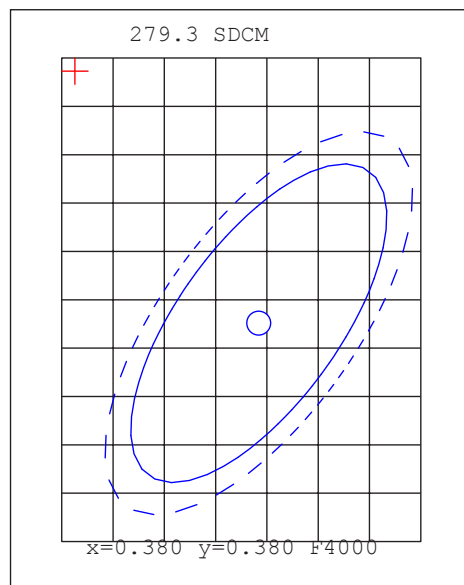
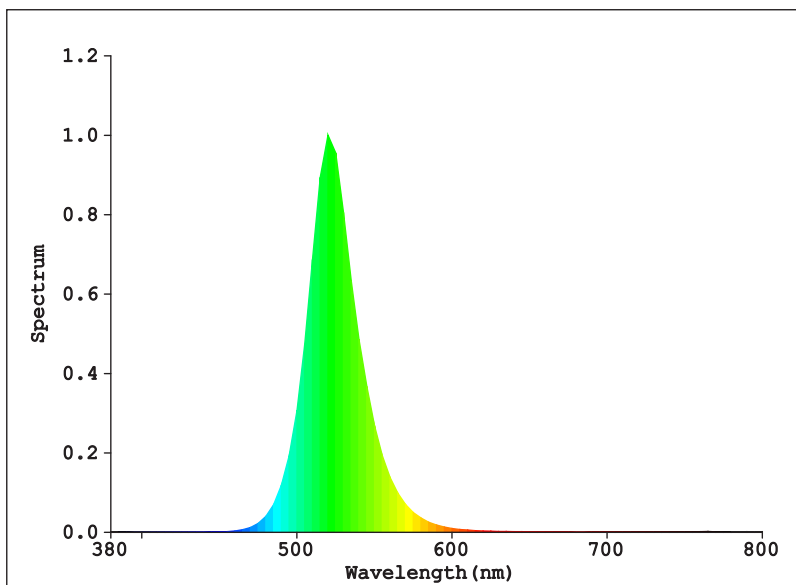
Lamp : U=231.1V I=0.1240A P=23.16W PF=0.8083

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=8108 (R=3) %=-0.075%

Ip=18556 (G=4, D=61)
PMT: 33.0 centigrade [150.0]

Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.1712$ ($dx=-0.1026$) $y=0.7208$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.0606$ $v'=0.5737$ ($duv=1.57e-01$)

Tc=7822K Dominant WL:Ld=527.0nm Purity=79.8% Centroid WL:524.0nm

Ratio:R=0.3% G=98.0% B=1.7% Peak WL:Lp=520.0nm HWL:33.9nm

Render Index:Ra=-22.6

R1 =-35 R2 =-6 R3 =-17 R4 =-63 R5 =-9 R6 =-13 R7 =-5

R8 =-32 R9 =-359 R10=-100 R11=-92 R12=-28 R13=-40 R14=42 R15=-33

Photo Parameters:

Flux: 1117.8 lm Fe: 2.2999 W Efficacy:44.26 lm/W Scotopic:3136.3lm S/P:2.8058

Electrical Parameters:

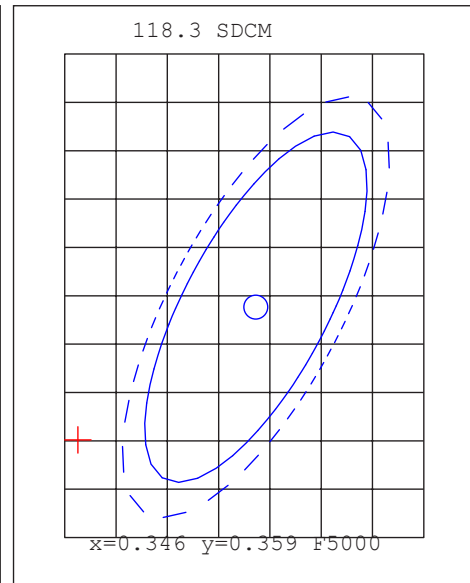
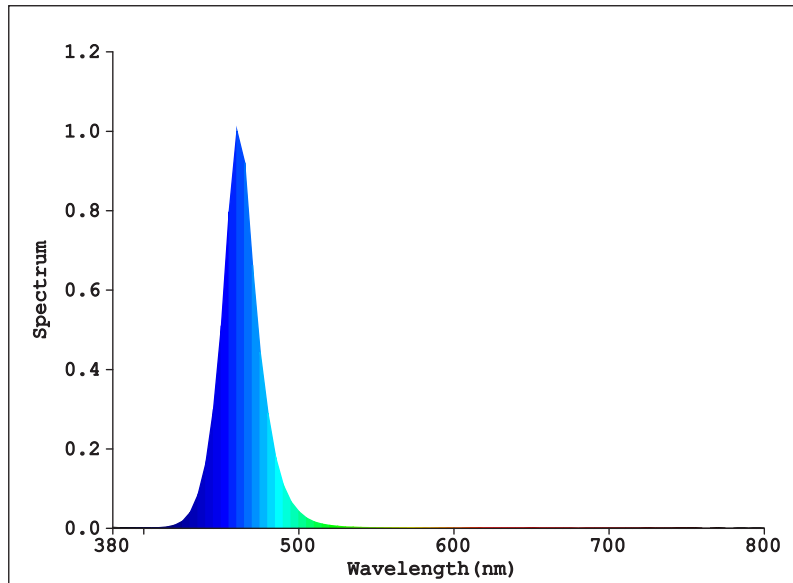
Lamp : U=231.1V I=0.2223A P=25.25W PF=0.4914

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=14955 (R=3) %=-0.040%

Ip=22236 (G=4, D=61)
PMT: 33.2 centigrade [150.0]

Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.1396$ ($dx=-0.1026$) $y=0.0484$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.1691$ $v'=0.1320$ ($duv=1.78e-01$)

Tc=100000K Dominant WL:Ld=465.4nm Purity=97.5% Centroid WL:462.0nm

Ratio:R=0.5% G=13.1% B=86.4% Peak WL:Lp=460.0nm HWL:24.0nm

Render Index:Ra=-53.9

R1 =-17 R2 =-49 R3 =-142 R4 =-85 R5 =1 R6 =-57 R7 =-47

R8 =-35 R9 =-278 R10=-238 R11=-115 R12=-114 R13=-37 R14=-32 R15=0

Photo Parameters:

Flux: 273.75 lm Fe: 4.7295 W Efficacy:10.50 lm/W Scotopic:4744.1lm S/P:17.33

Electrical Parameters:

Lamp : U=231.9V I=0.2301A P=26.07W PF=0.4886

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=33158 (R=4) %=-0.009%

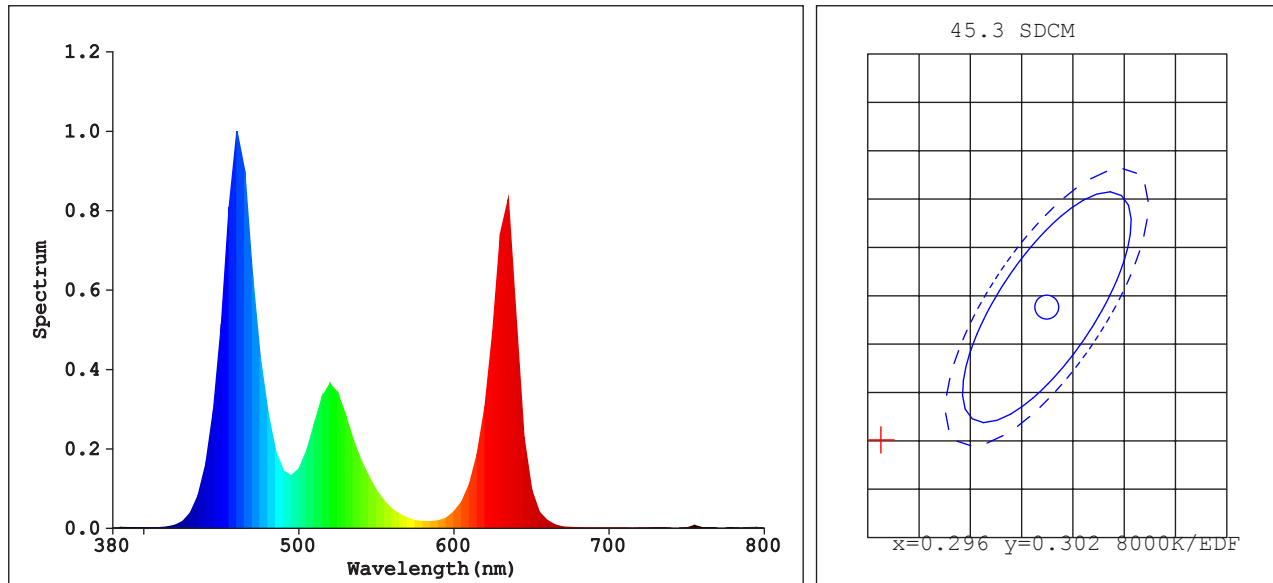
Ip=22533 (G=3,D=61)
PMT: 33.4 centigrade [150.0]

DISPLAYCOBFC 30° WITH FROST FILTER

60W compact full colour COB PAR with parabolic reflector



Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.2617$ ($dx=-0.1026$) $y=0.2184$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.2054$ $v'=0.3856$ ($duv=-2.63e-02$)

Tc=100000K Dominant WL:Ld=459.9nm Purity=37.9% Centroid WL:509.0nm

Ratio:R=28.3% G=59.1% B=12.6% Peak WL:Lp=460.0nm HWL:23.7nm

Render Index:Ra=17.5

R1 =-16 R2 =33 R3 =71 R4 =6 R5 =13 R6 =36 R7 =50

R8 =-53 R9 =-365 R10=-47 R11=-14 R12=38 R13=-9 R14=74 R15=-45

Photo Parameters:

Flux: 1527.2 lm Fe: 7.7733 W Efficacy:23.89 lm/W Scotopic:6105.4lm S/P:3.9978

Electrical Parameters:

Lamp : U=233.8V I=0.2792A P=63.91W PF=0.9790

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=21054 (R=3) %=-0.300%

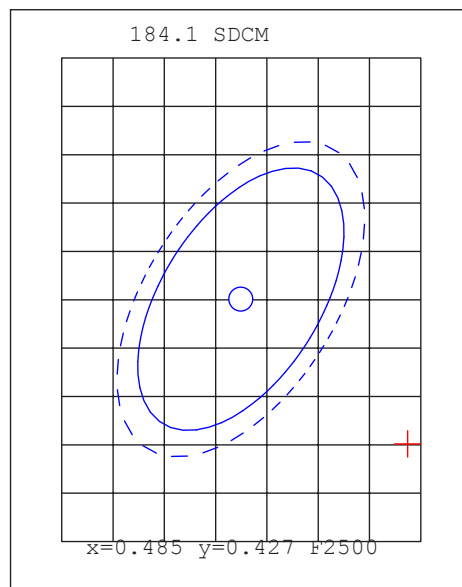
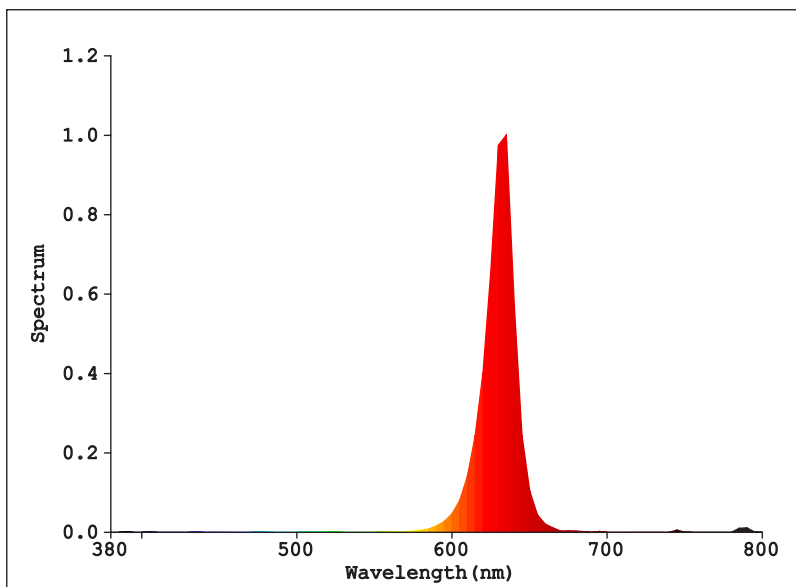
Ip=2738 (G=2,D=59)
PMT: 31.6 centigrade [150.0]

DISPLAYCOBFC 30° WITH FROST FILTER

60W compact full colour COB PAR with parabolic reflector



Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.6955$ ($dx=-0.1026$) $y=0.3040$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.5292$ $v'=0.5204$ ($duv=-8.17e-02$)

Tc=1001K Dominant WL:Ld=622.3nm Purity=99.9% Centroid WL:631.0nm

Ratio:R=96.1% G=3.9% B=0.0% Peak WL:Lp=635.0nm HWL:19.2nm

Render Index:Ra=19.0

R1 =10 R2 =79 R3 =34 R4 =-20 R5 =7 R6 =90 R7 =11

R8 =-60 R9 =-206 R10=73 R11=-8 R12=79 R13=32 R14=62 R15=-27

Photo Parameters:

Flux: 502.39 lm Fe: 2.6440 W Efficacy:21.67 lm/W Scotopic:28.855lm S/P:0.057436

Electrical Parameters:

Lamp : U=234.3V I=0.1224A P=23.18W PF=0.8085

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=7838 (R=3) %=-0.026%

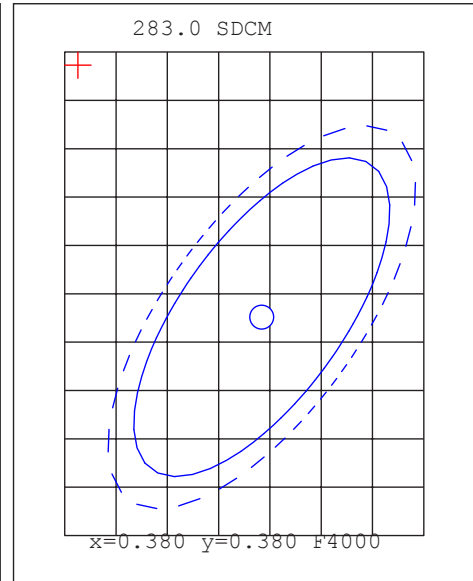
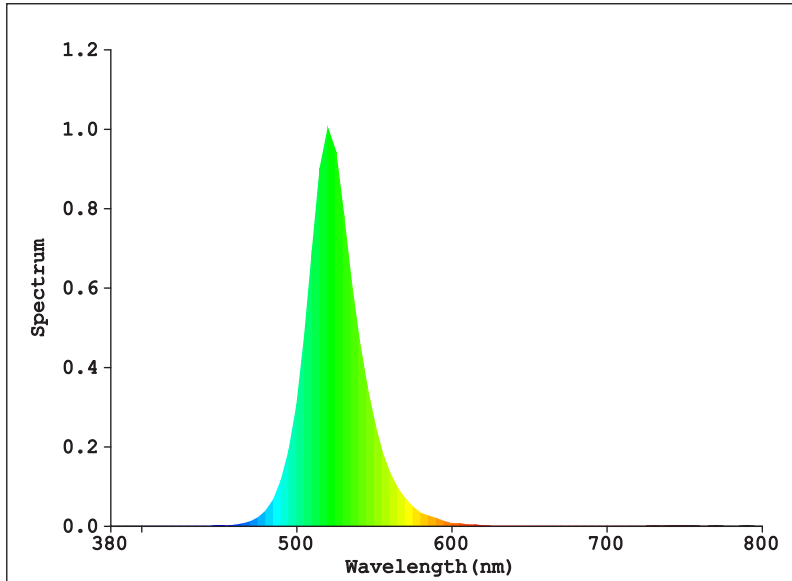
Ip=642 (G=2,D=58)
PMT: 31.7 centigrade [150.0]

DISPLAYCOBFC 30° WITH FROST FILTER

60W compact full colour COB PAR with parabolic reflector



Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.1674$ ($dx=-0.1026$) $y=0.7242$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.0590$ $v'=0.5740$ ($duv=1.58e-01$)

Tc=7869K Dominant WL:Ld=526.5nm Purity=80.2% Centroid WL:523.0nm

Ratio:R=0.2% G=98.1% B=1.7% Peak WL:Lp=520.0nm HWL:33.6nm

Render Index:Ra=-24.4

R1 =-36 R2 =-8 R3 =-20 R4 =-65 R5 =-10 R6 =-15 R7 =-7

R8 =-34 R9 =-365 R10=-104 R11=-94 R12=-29 R13=-41 R14=40 R15=-34

Photo Parameters:

Flux: 1034.1 lm Fe: 2.1226 W Efficacy:37.79 lm/W Scotopic:2928.6lm S/P:2.8321

Electrical Parameters:

Lamp : U=234.5V I=0.1726A P=27.36W PF=0.6762

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=13832 (R=3) %=-0.044%

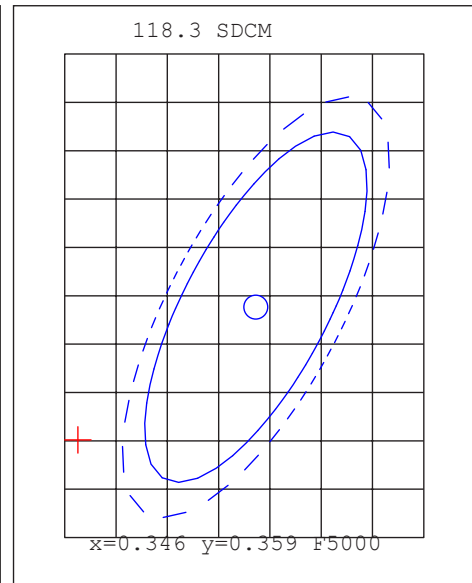
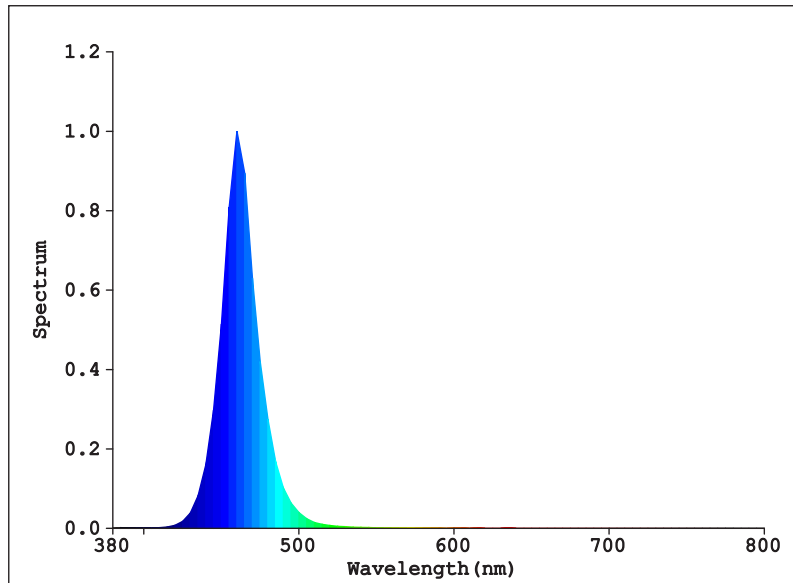
Ip=739 (G=2, D=59)
PMT: 31.8 centigrade [150.0]

DISPLAYCOBFC 30° WITH FROST FILTER

60W compact full colour COB PAR with parabolic reflector



Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.1400$ ($dx=-0.1026$) $y=0.0478$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.1700$ $v'=0.1306$ ($duv=1.79e-01$)

Tc=100000K Dominant WL:Ld=465.2nm Purity=97.5% Centroid WL:462.0nm

Ratio:R=0.4% G=13.4% B=86.2% Peak WL:Lp=460.0nm HWL:23.4nm

Render Index:Ra=-54.1

R1 =-17 R2 =-48 R3 =-142 R4 =-86 R5 =1 R6 =-57 R7 =-48

R8 =-37 R9 =-285 R10=-236 R11=-117 R12=-113 R13=-37 R14=-32 R15=-1

Photo Parameters:

Flux: 250.19 lm Fe: 4.3458 W Efficacy:9.492 lm/W Scotopic:4352.6lm S/P:17.397

Electrical Parameters:

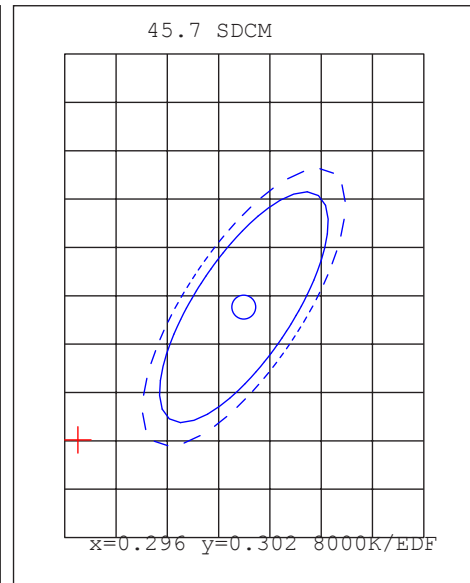
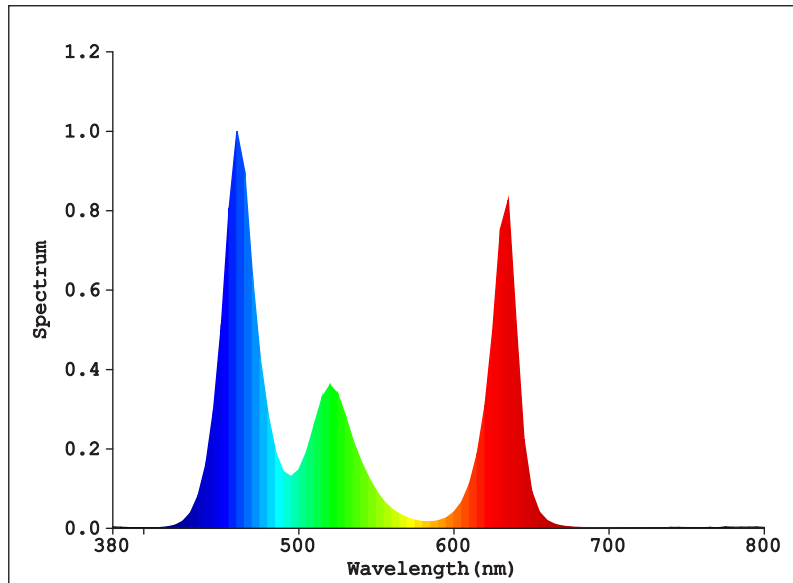
Lamp : U=234.3V I=0.1520A P=26.36W PF=0.7398

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=3105 (R=3) %=0.033%

Ip=3132 (G=2, D=58)
PMT: 31.8 centigrade [150.0]

Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.2623$ ($dx=-0.1026$) $y=0.2179$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.2061$ $v'=0.3853$ ($duv=-2.71e-02$)

Tc=100000K Dominant WL:Ld=459.0nm Purity=37.8% Centroid WL:510.0nm

Ratio:R=28.5% G=58.9% B=12.6% Peak WL:Lp=460.0nm HWL:23.6nm

Render Index:Ra=16.6

R1 =-17 R2 =32 R3 =71 R4 =5 R5 =12 R6 =35 R7 =49

R8 =-54 R9 =-368 R10=-48 R11=-15 R12=37 R13=-10 R14=74 R15=-46

Photo Parameters:

Flux: 1697.6 lm Fe: 8.6730 W Efficacy:26.45 lm/W Scotopic:6779lm S/P:3.9933

Electrical Parameters:

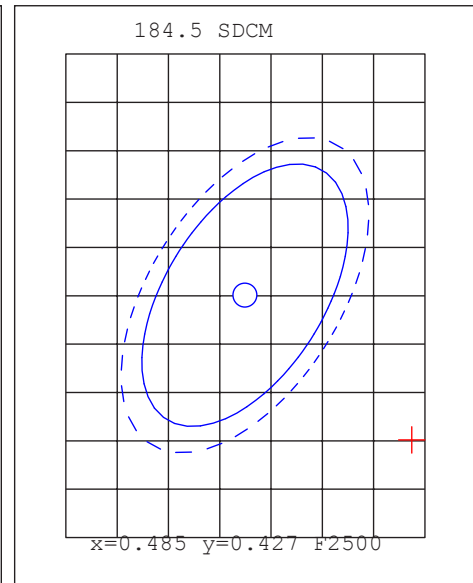
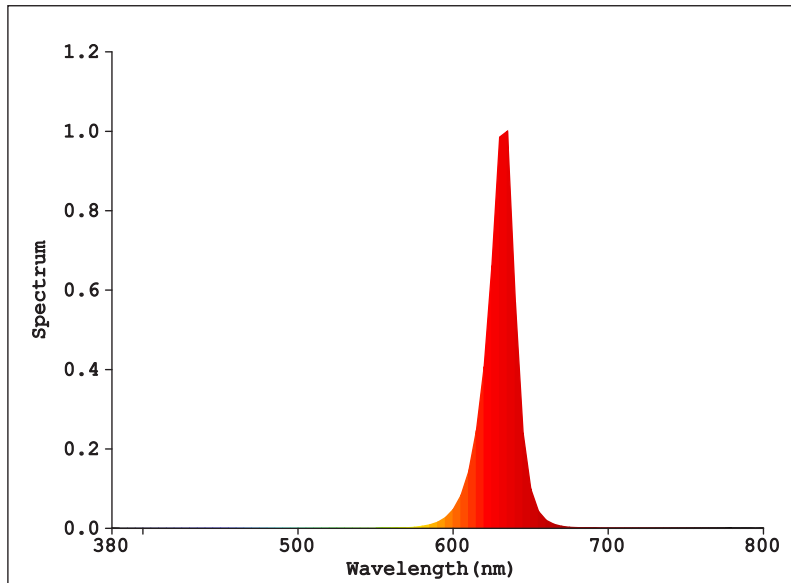
Lamp : U=232.2V I=0.2821A P=64.17W PF=0.9796

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=23395 (R=3) %=-0.287%

Ip=20970 (G=3,D=59)
PMT: 31.0 centigrade [150.0]

Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.6960$ ($dx=-0.1026$) $y=0.3037$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.5300$ $v'=0.5204$ ($duv=-8.24e-02$)

Tc=1001K Dominant WL:Ld=622.4nm Purity=99.9% Centroid WL:631.0nm

Ratio:R=96.3% G=3.7% B=0.0% Peak WL:Lp=635.0nm HWL:19.2nm

Render Index:Ra=16.8

R1 =8 R2 =78 R3 =33 R4 =-24 R5 =3 R6 =89 R7 =10

R8 =-63 R9 =-212 R10=72 R11=-13 R12=80 R13=30 R14=61 R15=-30

Photo Parameters:

Flux: 558.59 lm Fe: 2.9208 W Efficacy:23.93 lm/W Scotopic:29.368lm S/P:0.052576

Electrical Parameters:

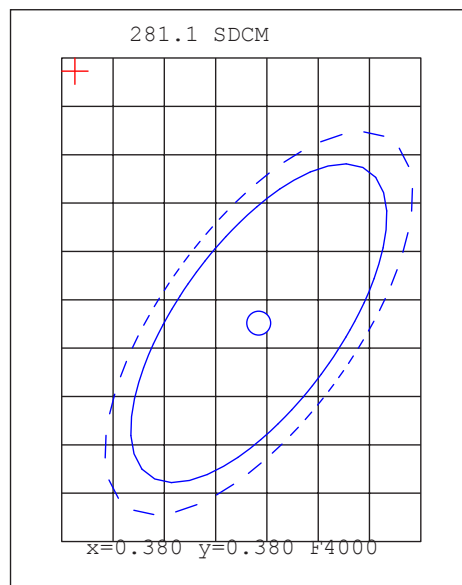
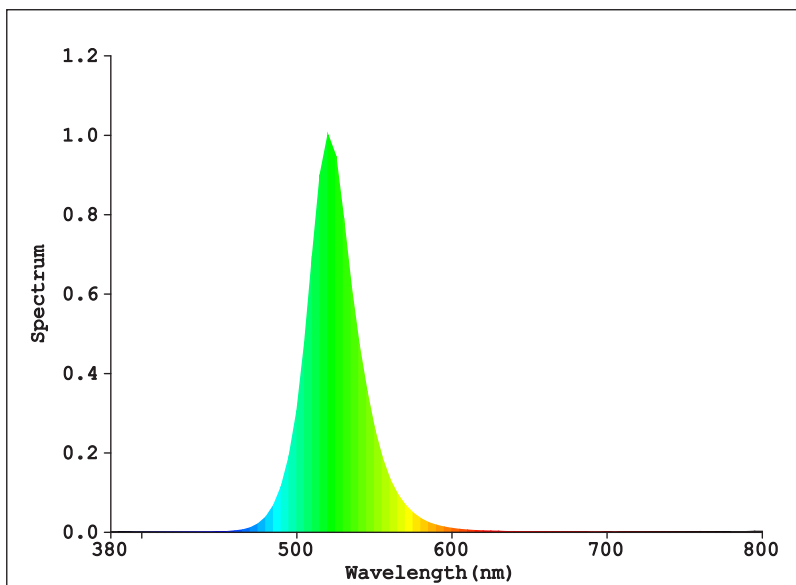
Lamp : U=232.2V I=0.1240A P=23.34W PF=0.8110

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=8703 (R=3) %=-0.093%

Ip=20608 (G=4, D=60)
PMT: 31.2 centigrade [150.0]

Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.1692$ ($dx=-0.1026$) $y=0.7222$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.0598$ $v'=0.5738$ ($duv=1.57e-01$)

Tc=7847K Dominant WL:Ld=526.7nm Purity=79.9% Centroid WL:523.0nm

Ratio:R=0.3% G=98.0% B=1.7% Peak WL:Lp=520.0nm HWL:33.6nm

Render Index:Ra=-23.3

R1 =-35 R2 =-7 R3 =-18 R4 =-63 R5 =-9 R6 =-14 R7 =-6

R8 =-33 R9 =-358 R10=-102 R11=-92 R12=-29 R13=-40 R14=41 R15=-33

Photo Parameters:

Flux: 1145.7 lm Fe: 2.3644 W Efficacy:45.33 lm/W Scotopic:3236.6lm S/P:2.825

Electrical Parameters:

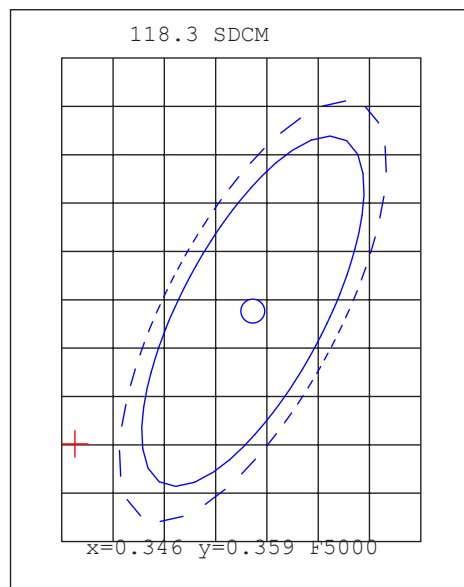
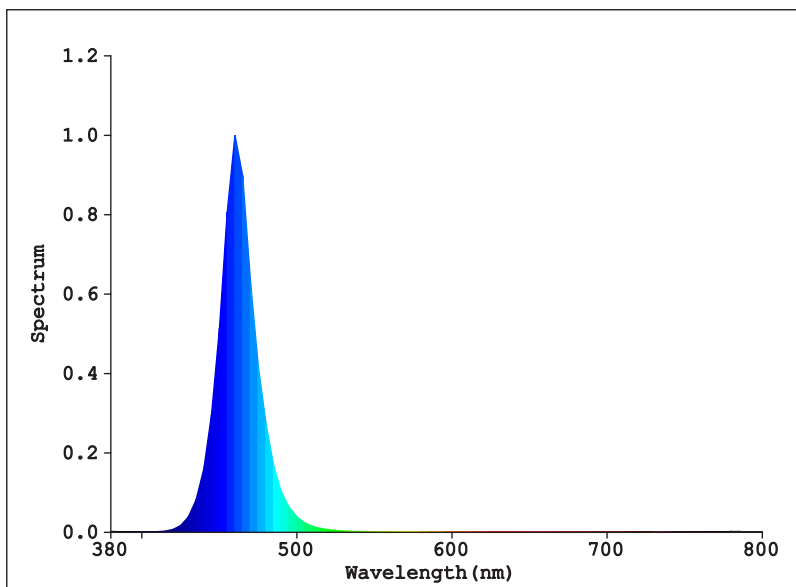
Lamp : U=232.0V I=0.2059A P=25.27W PF=0.5291

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=15316 (R=3) %=-0.046%

Ip=23634 (G=4, D=60)
PMT: 31.4 centigrade [150.0]

Light Source Diagram



Color Parameters:

Chromaticity Coordinate: $x=0.1400$ ($dx=-0.1026$) $y=0.0476$ ($dy=-0.1905$)

Chromaticity Coordinate: $u'=0.1702$ $v'=0.1301$ ($duv=1.79e-01$)

Tc=100000K Dominant WL:Ld=465.2nm Purity=97.6% Centroid WL:462.0nm

Ratio:R=0.5% G=13.0% B=86.5% Peak WL:Lp=460.0nm HWL:23.5nm

Render Index:Ra=-54.2

R1 =-16 R2 =-49 R3 =-143 R4 =-85 R5 =1 R6 =-57 R7 =-48

R8 =-36 R9 =-277 R10=-238 R11=-116 R12=-114 R13=-37 R14=-32 R15=0

Photo Parameters:

Flux: 278.35 lm Fe: 4.8751 W Efficacy:9.889 lm/W Scotopic:4859.2lm S/P:17.457

Electrical Parameters:

Lamp : U=231.4V I=0.1588A P=28.15W PF=0.7661

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
REF=33637 (R=4) %=-0.012%

Ip=23920 (G=3,D=60)
PMT: 31.6 centigrade [150.0]