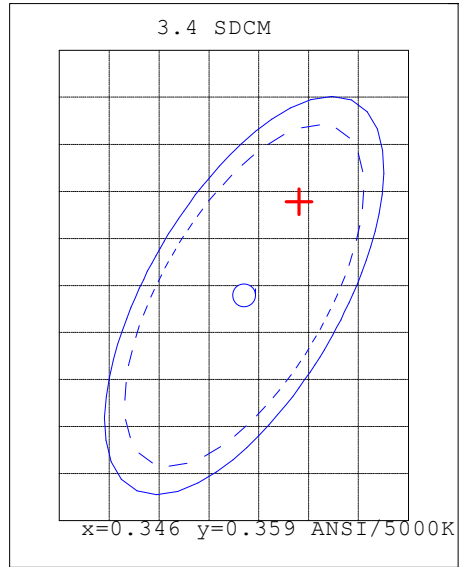
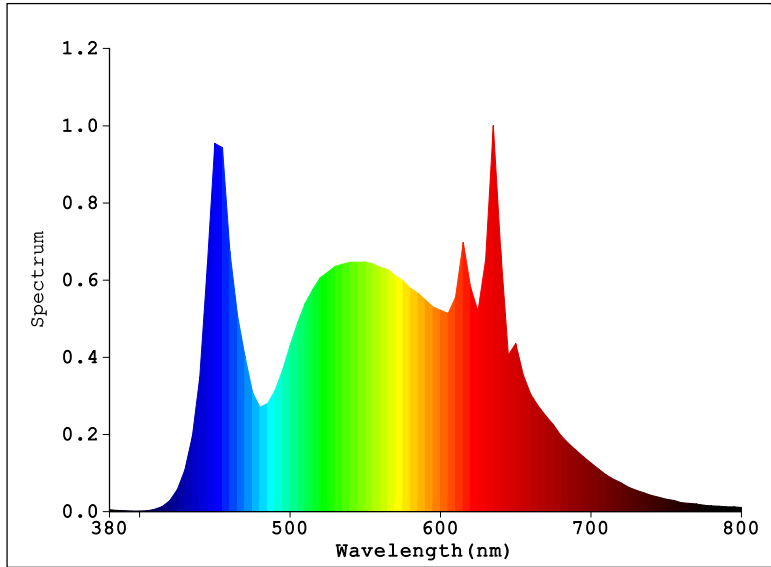


Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3507$ $y=0.3670$
 Chromaticity Coordinate: $u'=0.2093$ $v'=0.4928$ ($duv=5.37e-03$)
 Tc=4853K Dominant WL:Ld=570.3nm Purity=15.4% Centroid WL:560.0nm
 Ratio:R=18.4% G=77.6% B=4.1% Peak WL:Lp=635.0nm HWL:137.2nm
 Render Index:Ra=92.2
 R1 =92 R2 =92 R3 =90 R4 =93 R5 =90 R6 =88 R7 =98
 R8 =94 R9 =80 R10=80 R11=91 R12=60 R13=92 R14=94 R15=92

Photo Parameters:

Flux: 3249.2 lm Fe: 10.617 W Efficacy:109.3 lm/W

Electrical Parameters:

Luminaire: U=120.1V I=0.2490A P=29.72W PF=0.9939

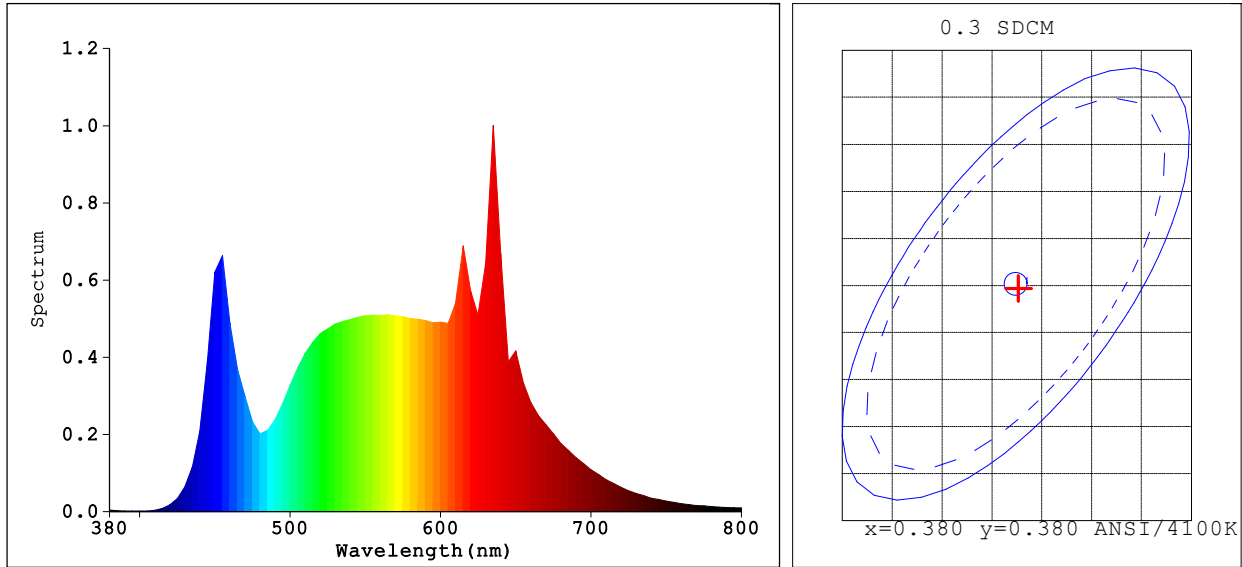
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=22768$ (G=4,D=56)
 REF=48223 (R=3) $\%=-0.133\%$ PMT: 31.0 centigrade [150.0]

Product Type:
 Number:17
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:28:53
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3803 y=0.3796
 Chromaticity Coordinate: u'=0.2239 v'=0.5028 (duv=1.38e-03)
 Tc=4026K Dominant WL:Ld=578.2nm Purity=28.0% Centroid WL:573.0nm
 Ratio:R=21.4% G=75.0% B=3.6% Peak WL:Lp=635.0nm HWL:36.8nm
 Render Index:Ra=96.0
 R1 =98 R2 =96 R3 =92 R4 =97 R5 =95 R6 =93 R7 =99
 R8 =97 R9 =90 R10=88 R11=96 R12=69 R13=97 R14=95 R15=96

Photo Parameters:

Flux: 3315.4 lm Fe: 10.779 W Efficacy:115.1 lm/W

Electrical Parameters:

Luminaire: U=120.1V I=0.2414A P=28.81W PF=0.9935

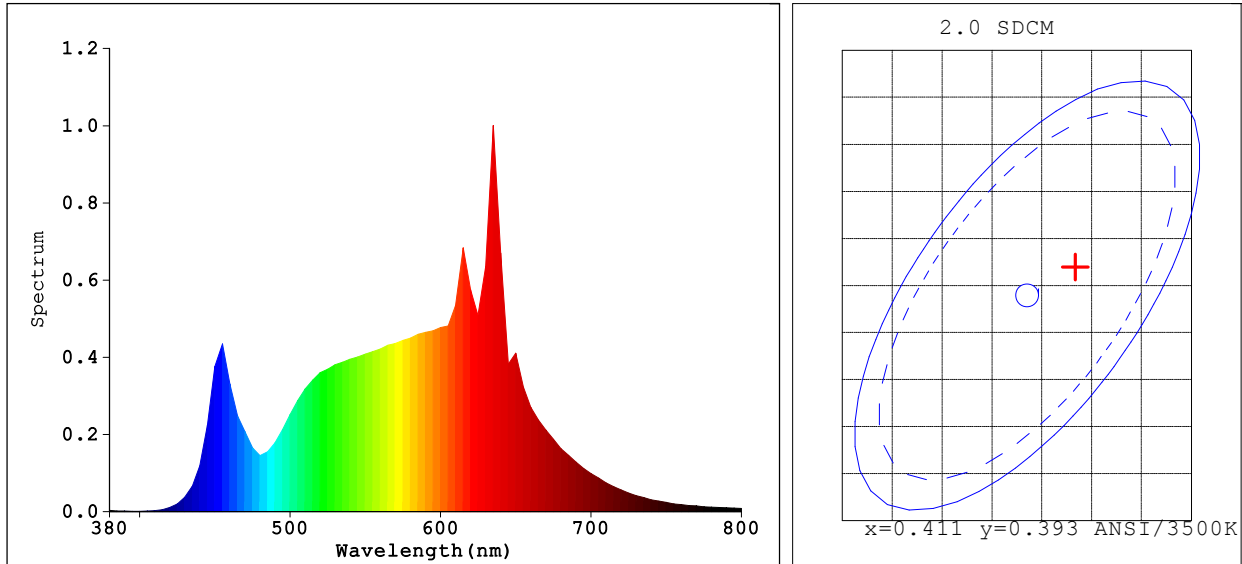
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=19645 (G=4,D=56)
 REF=49424 (R=3) %=-0.065% PMT: 31.3 centigrade [150.0]

Product Type:
 Number:18
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:30:53
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4151$ $y=0.3954$
 Chromaticity Coordinate: $u'=0.2401$ $v'=0.5147$ ($duv=1.27e-05$)
 Tc=3332K Dominant WL:Ld=581.5nm Purity=43.3% Centroid WL:587.0nm
 Ratio:R=24.6% G=72.5% B=2.9% Peak WL:Lp=635.0nm HWL:36.2nm
 Render Index:Ra=97.1
 R1 =99 R2 =98 R3 =95 R4 =99 R5 =98 R6 =96 R7 =97
 R8 =95 R9 =86 R10=93 R11=96 R12=77 R13=99 R14=96 R15=97

Photo Parameters:

Flux: 3277.7 lm Fe: 10.560 W Efficacy:115.5 lm/W

Electrical Parameters:

Luminaire: U=120.1V I=0.2378A P=28.37W PF=0.9933

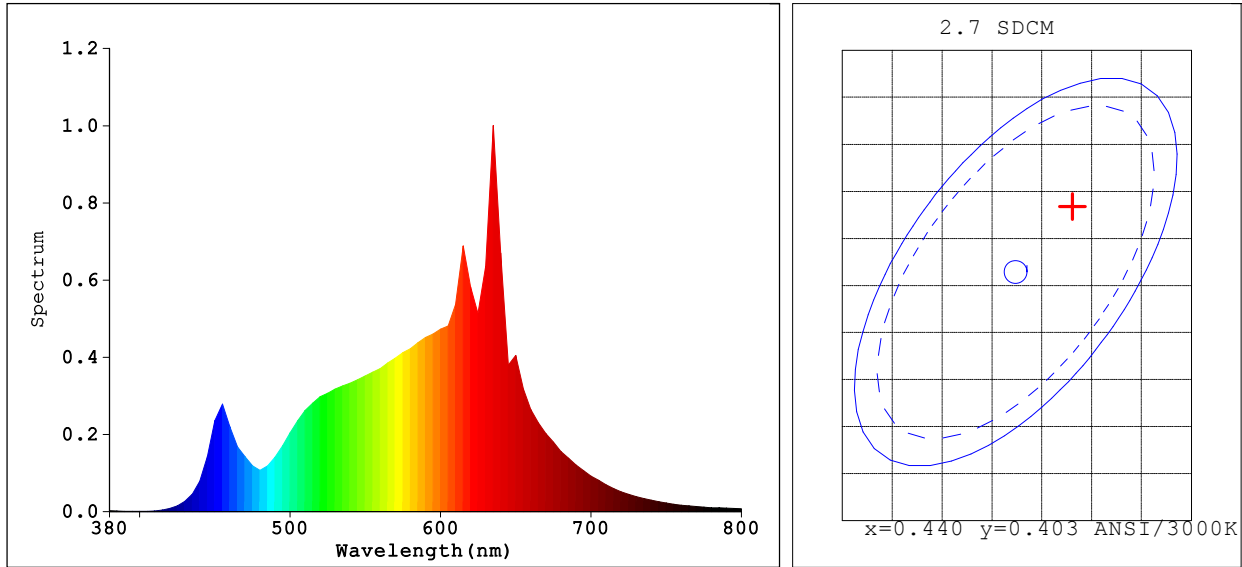
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=49331$ (G=5,D=60)
 REF=49093 (R=3) $\%=-0.065\%$ PMT: 31.5 centigrade [150.0]

Product Type:
 Number:19
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:32:11
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4449$ $y=0.4086$
 Chromaticity Coordinate: $u'=0.2537$ $v'=0.5243$ ($duv=7.56e-04$)
 Tc=2907K Dominant WL:Ld=583.0nm Purity=56.2% Centroid WL:596.0nm
 Ratio:R=27.0% G=70.6% B=2.3% Peak WL:Lp=635.0nm HWL:36.2nm
 Render Index:Ra=96.4
 R1 =98 R2 =98 R3 =96 R4 =99 R5 =98 R6 =97 R7 =95
 R8 =90 R9 =76 R10=94 R11=97 R12=83 R13=98 R14=96 R15=94

Photo Parameters:

Flux: 3136.7 lm Fe: 10.018 W Efficacy:108.4 lm/W

Electrical Parameters:

Luminaire: U=120.1V I=0.2424A P=28.93W PF=0.9935

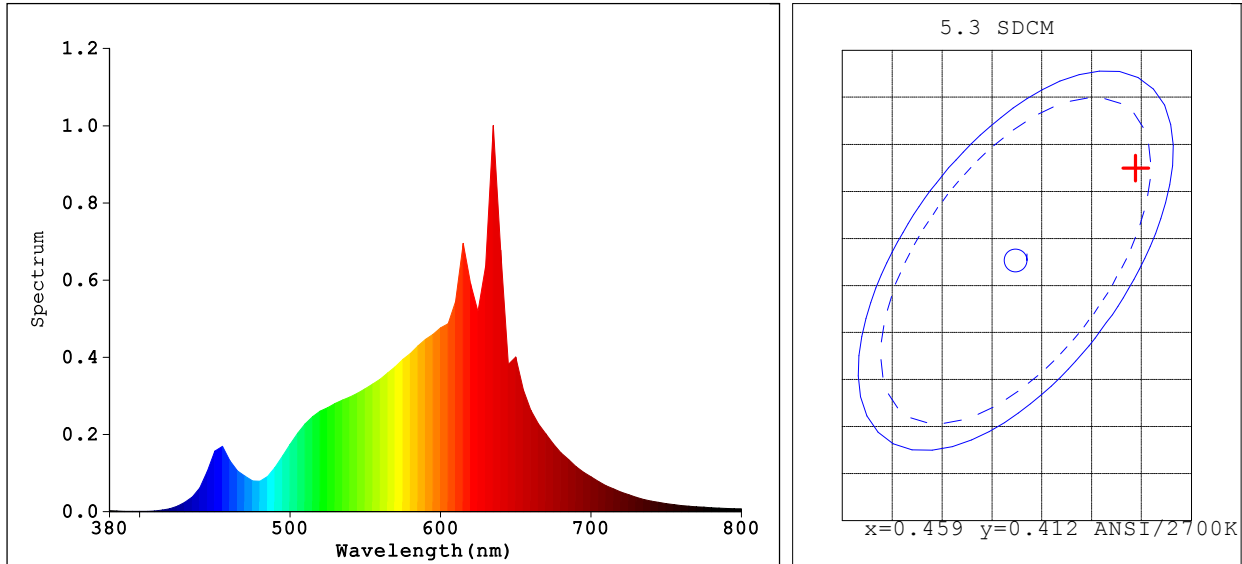
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=40478$ (G=5,D=60)
 REF=47160 (R=3) $\%=-0.051\%$ PMT: 31.7 centigrade [150.0]

Product Type:
 Number:20
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:33:45
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4694$ $y=0.4199$
 Chromaticity Coordinate: $u'=0.2644$ $v'=0.5323$ ($duv=2.63e-03$)
 Tc=2643K Dominant WL:Ld=583.7nm Purity=66.9% Centroid WL:602.0nm
 Ratio:R=28.9% G=69.3% B=1.8% Peak WL:Lp=635.0nm HWL:36.8nm
 Render Index:Ra=95.0
 R1 =96 R2 =97 R3 =96 R4 =98 R5 =96 R6 =98 R7 =94
 R8 =85 R9 =65 R10=91 R11=98 R12=86 R13=96 R14=97 R15=90

Photo Parameters:

Flux: 2990.8 lm Fe: 9.4660 W Efficacy:102.2 lm/W

Electrical Parameters:

Luminaire: U=120.1V I=0.2451A P=29.26W PF=0.9936

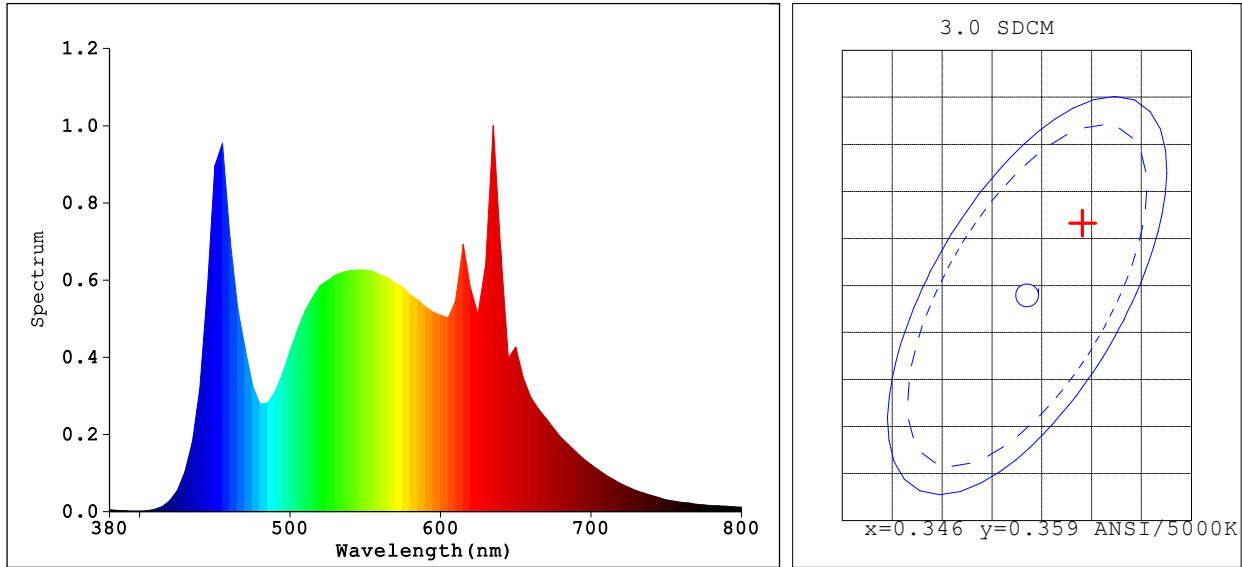
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=40661$ (G=5,D=60)
 REF=45094 (R=3) $\%=-0.049\%$ PMT: 31.8 centigrade [150.0]

Product Type:
 Number:21
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:35:15
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3508$ $y=0.3652$
 Chromaticity Coordinate: $u'=0.2100$ $v'=0.4920$ ($duv=4.47e-03$)
 Tc=4845K Dominant WL:Ld=571.0nm Purity=14.8% Centroid WL:560.0nm
 Ratio:R=18.6% G=77.2% B=4.2% Peak WL:Lp=635.0nm HWL:135.3nm
 Render Index:Ra=93.4
 R1 =94 R2 =93 R3 =91 R4 =94 R5 =91 R6 =89 R7 =99
 R8 =96 R9 =85 R10=82 R11=92 R12=61 R13=93 R14=94 R15=93

Photo Parameters:

Flux: 2650.8 lm Fe: 8.7166 W Efficacy:111.9 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1990A P=23.70W PF=0.9911

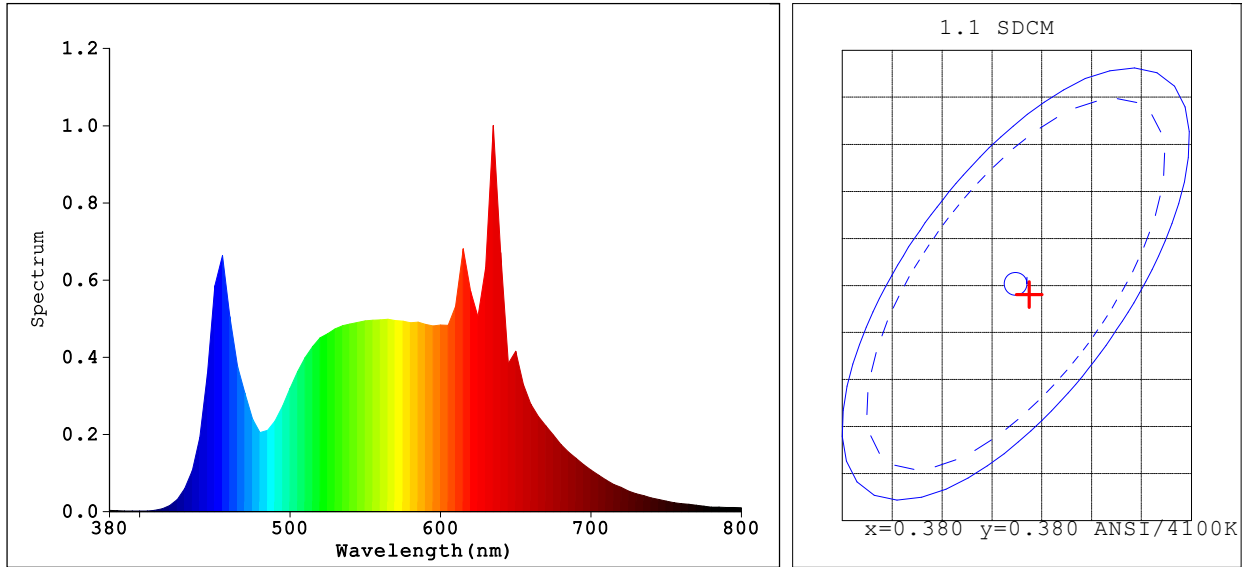
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=19481$ (G=4,D=56)
 REF=39373 (R=3) $\%=-0.010\%$ PMT: 31.9 centigrade [150.0]

Product Type:
 Number:22
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:36:45
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3812$ $y=0.3791$
 Chromaticity Coordinate: $u'=0.2247$ $v'=0.5027$ ($duv=8.78e-04$)
 Tc=3998K Dominant WL:Ld=578.6nm Purity=28.2% Centroid WL:574.0nm
 Ratio:R=21.6% G=74.8% B=3.6% Peak WL:Lp=635.0nm HWL:36.2nm
 Render Index:Ra=96.6
 R1 =98 R2 =97 R3 =93 R4 =98 R5 =96 R6 =94 R7 =99
 R8 =98 R9 =92 R10=90 R11=96 R12=70 R13=98 R14=95 R15=97

Photo Parameters:

Flux: 2720.4 lm Fe: 8.8747 W Efficacy:117.2 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1949A P=23.20W PF=0.9908

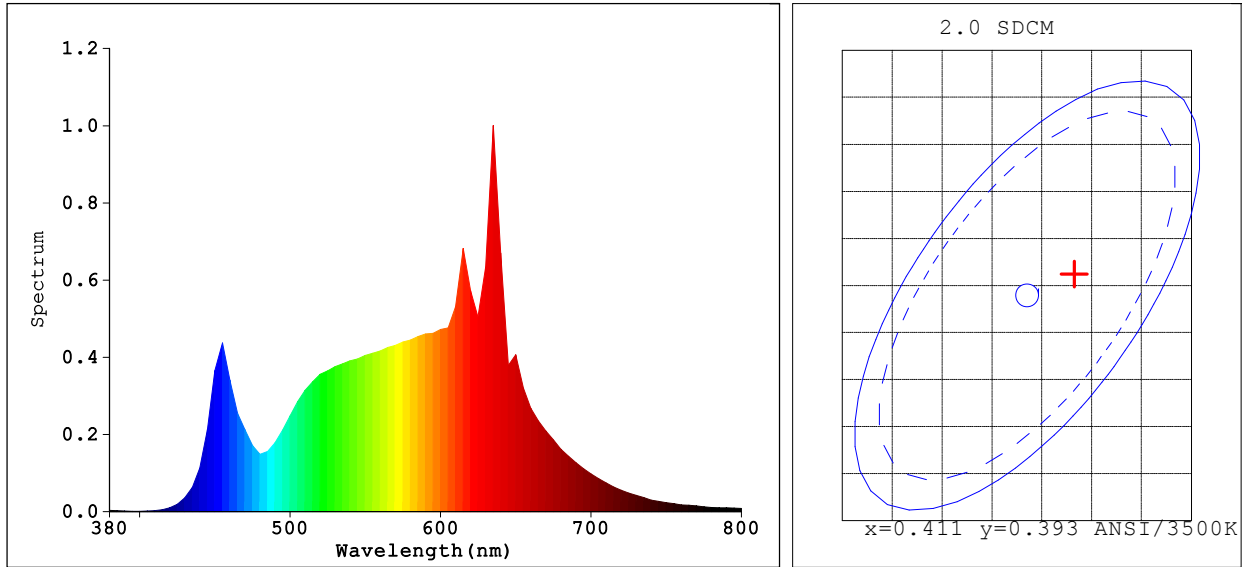
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=55270$ (G=5,D=60)
 REF=40584 (R=3) $\% = 0.015\%$ PMT: 31.8 centigrade [150.0]

Product Type:
 Number:23
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:38:10
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4151 y=0.3948
 Chromaticity Coordinate: u'=0.2403 v'=0.5144 (duv=-2.25e-04)
 Tc=3328K Dominant WL:Ld=581.6nm Purity=43.1% Centroid WL:587.0nm
 Ratio:R=24.6% G=72.4% B=3.0% Peak WL:Lp=635.0nm HWL:35.7nm
 Render Index:Ra=97.4
 R1 =99 R2 =99 R3 =95 R4 =99 R5 =98 R6 =97 R7 =97
 R8 =95 R9 =87 R10=94 R11=97 R12=78 R13=100 R14=96 R15=97

Photo Parameters:

Flux: 2699.5 lm Fe: 8.7135 W Efficacy:117.7 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1927A P=22.94W PF=0.9906

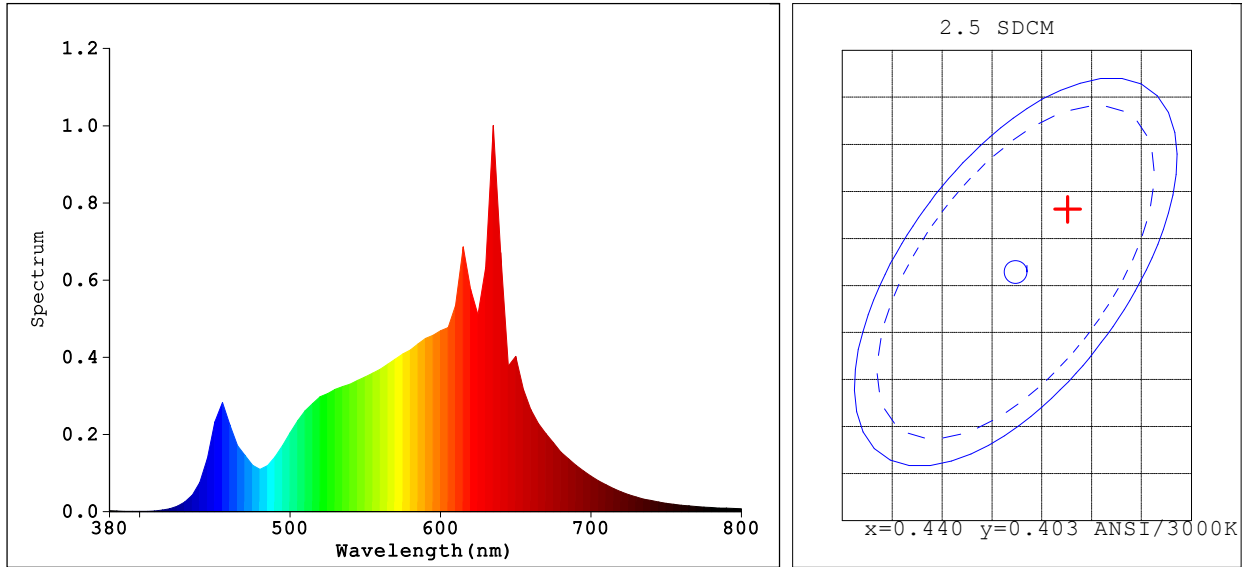
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=41315 (G=5,D=60)
 REF=40455 (R=3) %=-0.032% PMT: 31.7 centigrade [150.0]

Product Type:
 Number:24
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:40:17
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4445$ $y=0.4084$
 Chromaticity Coordinate: $u'=0.2536$ $v'=0.5242$ ($duv=7.14e-04$)
 Tc=2911K Dominant WL:Ld=583.0nm Purity=56.0% Centroid WL:596.0nm
 Ratio:R=27.0% G=70.6% B=2.4% Peak WL:Lp=635.0nm HWL:35.9nm
 Render Index:Ra=96.7
 R1 =98 R2 =98 R3 =96 R4 =99 R5 =98 R6 =97 R7 =96
 R8 =91 R9 =77 R10=94 R11=97 R12=83 R13=99 R14=97 R15=95

Photo Parameters:

Flux: 2606.0 lm Fe: 8.3308 W Efficacy:111.7 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1960A P=23.33W PF=0.9909

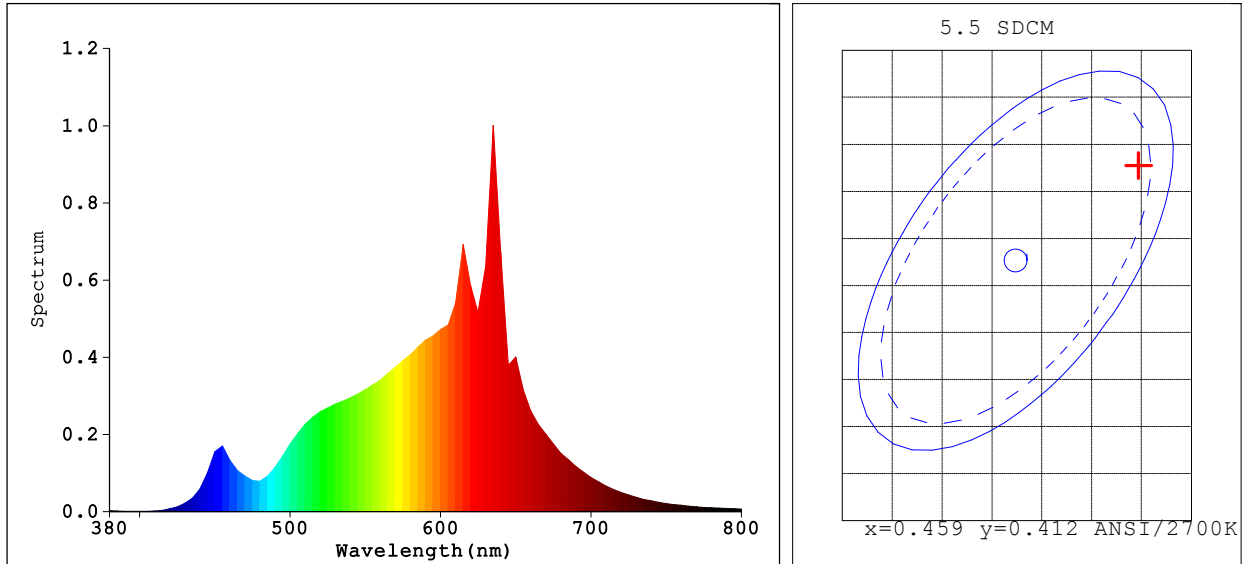
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=33762$ (G=5,D=60)
 REF=39198 (R=3) $\%=-0.023\%$ PMT: 31.6 centigrade [150.0]

Product Type:
 Number:25
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:42:10
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4696$ $y=0.4201$
 Chromaticity Coordinate: $u'=0.2645$ $v'=0.5324$ ($duv=2.69e-03$)
 Tc=2641K Dominant WL:Ld=583.7nm Purity=67.1% Centroid WL:602.0nm
 Ratio:R=28.9% G=69.2% B=1.8% Peak WL:Lp=635.0nm HWL:36.5nm
 Render Index:Ra=95.2
 R1 =96 R2 =97 R3 =97 R4 =98 R5 =96 R6 =98 R7 =94
 R8 =86 R9 =66 R10=92 R11=98 R12=86 R13=96 R14=97 R15=91

Photo Parameters:

Flux: 2509.3 lm Fe: 7.9446 W Efficacy:106.3 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1981A P=23.60W PF=0.9911

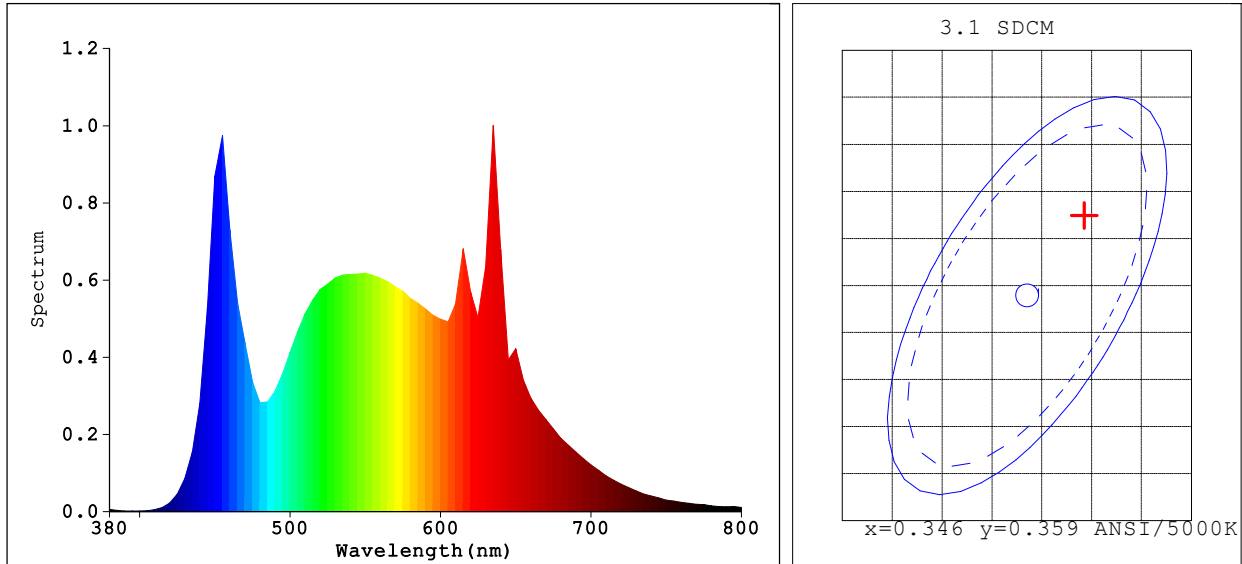
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=34248$ (G=5,D=59)
 REF=37853 (R=3) $\%=-0.026\%$ PMT: 31.8 centigrade [150.0]

Product Type:
 Number:26
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:43:40
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3509$ $y=0.3659$
 Chromaticity Coordinate: $u'=0.2099$ $v'=0.4923$ ($duv=4.74e-03$)
 Tc=4843K Dominant WL:Ld=570.8nm Purity=15.1% Centroid WL:561.0nm
 Ratio:R=18.6% G=77.1% B=4.3% Peak WL:Lp=635.0nm HWL:37.2nm
 Render Index:Ra=93.7
 R1 =94 R2 =94 R3 =91 R4 =94 R5 =92 R6 =90 R7 =99
 R8 =96 R9 =87 R10=84 R11=92 R12=60 R13=94 R14=95 R15=93

Photo Parameters:

Flux: 1835.2 lm Fe: 6.0362 W Efficacy:117.4 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1326A P=15.64W PF=0.9812

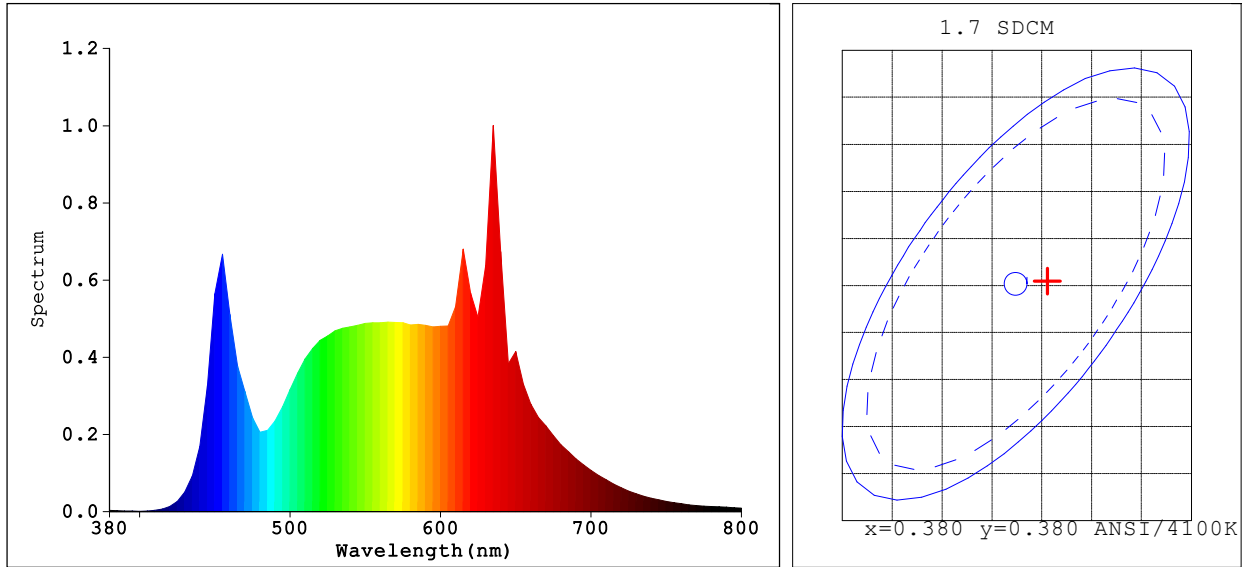
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=46832$ (G=5,D=60)
 REF=27293 (R=3) $\% = 0.037\%$ PMT: 31.9 centigrade [150.0]

Product Type:
 Number:27
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:45:13
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3827$ $y=0.3802$
 Chromaticity Coordinate: $u'=0.2252$ $v'=0.5034$ ($duv=9.47e-04$)
 Tc=3964K Dominant WL:Ld=578.7nm Purity=29.0% Centroid WL:574.0nm
 Ratio:R=21.8% G=74.6% B=3.6% Peak WL:Lp=635.0nm HWL:36.1nm
 Render Index:Ra=96.9
 R1 =99 R2 =97 R3 =93 R4 =98 R5 =96 R6 =95 R7 =99
 R8 =98 R9 =93 R10=91 R11=97 R12=70 R13=98 R14=95 R15=97

Photo Parameters:

Flux: 1863.0 lm Fe: 6.0780 W Efficacy:121.0 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1307A P=15.40W PF=0.9805

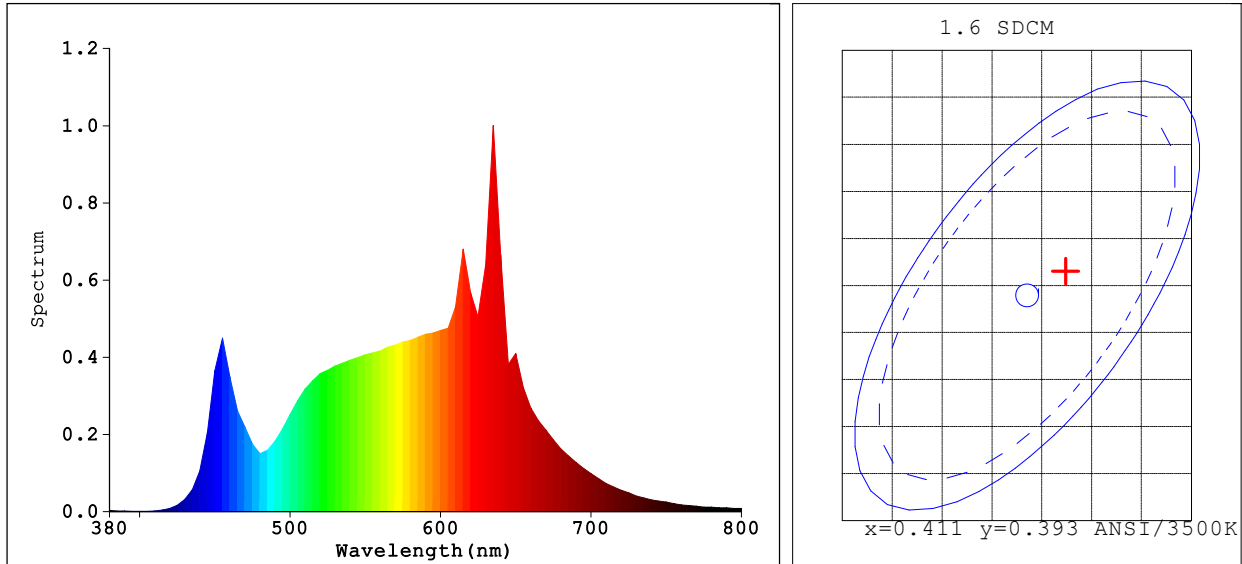
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=38486$ (G=5,D=60)
 REF=27833 (R=3) $\% = 0.014\%$ PMT: 31.9 centigrade [150.0]

Product Type:
 Number:28
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:46:41
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4143$ $y=0.3951$
 Chromaticity Coordinate: $u'=0.2398$ $v'=0.5144$ ($duv=2.24e-05$)
 Tc=3345K Dominant WL:Ld=581.4nm Purity=42.9% Centroid WL:587.0nm
 Ratio:R=24.5% G=72.5% B=3.0% Peak WL:Lp=635.0nm HWL:35.7nm
 Render Index:Ra=97.5
 R1 =99 R2 =99 R3 =95 R4 =99 R5 =98 R6 =97 R7 =98
 R8 =96 R9 =88 R10=95 R11=97 R12=77 R13=100 R14=96 R15=97

Photo Parameters:

Flux: 1850.3 lm Fe: 5.9735 W Efficacy:121.1 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1298A P=15.28W PF=0.9802

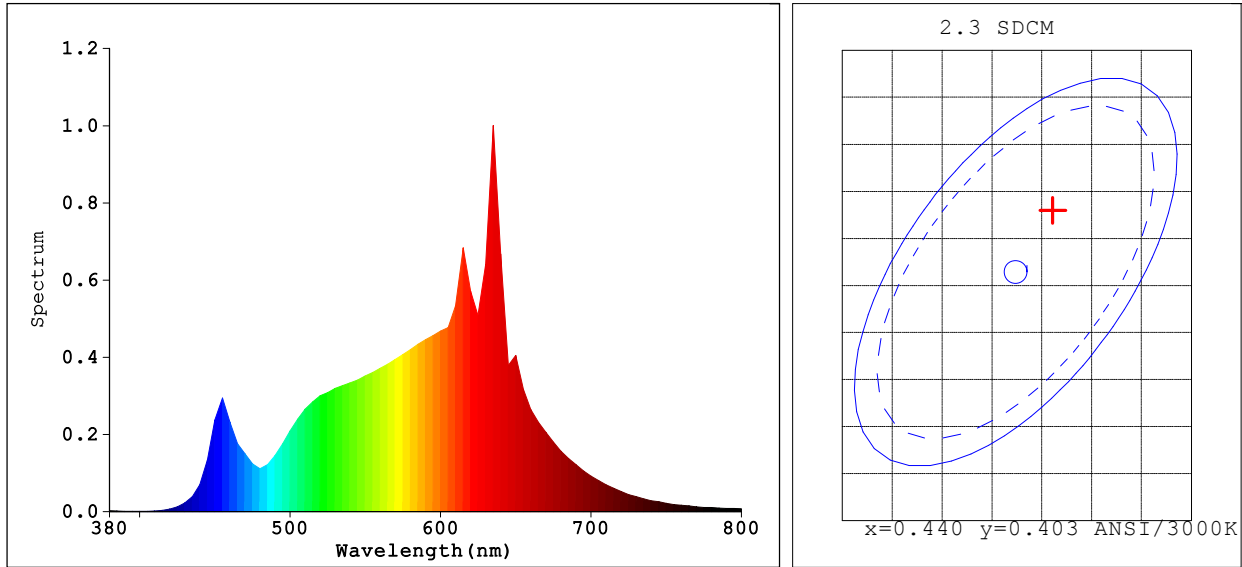
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=29103$ (G=5,D=60)
 REF=27760 (R=3) $\% = 0.014\%$ PMT: 31.0 centigrade [150.0]

Product Type:
 Number:29
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:53:22
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4432$ $y=0.4083$
 Chromaticity Coordinate: $u'=0.2528$ $v'=0.5240$ ($duv=8.41e-04$)
 Tc=2931K Dominant WL:Ld=582.8nm Purity=55.6% Centroid WL:596.0nm
 Ratio:R=26.9% G=70.6% B=2.4% Peak WL:Lp=635.0nm HWL:35.9nm
 Render Index:Ra=96.9
 R1 =99 R2 =99 R3 =97 R4 =99 R5 =98 R6 =97 R7 =96
 R8 =91 R9 =78 R10=95 R11=97 R12=82 R13=99 R14=97 R15=95

Photo Parameters:

Flux: 1809.6 lm Fe: 5.7909 W Efficacy:116.8 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1315A P=15.49W PF=0.9808

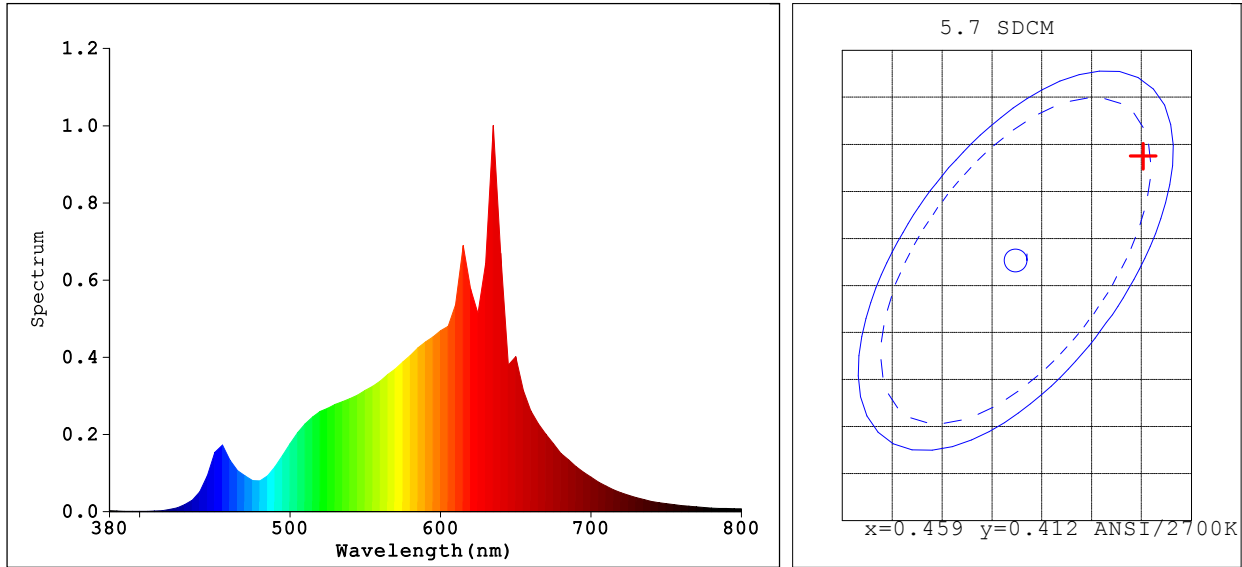
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=23359$ (G=5,D=60)
 REF=27247 (R=3) $\%=-0.018\%$ PMT: 31.3 centigrade [150.0]

Product Type:
 Number:30
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:55:43
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4700$ $y=0.4209$
 Chromaticity Coordinate: $u'=0.2644$ $v'=0.5327$ ($duv=2.94e-03$)
 Tc=2642K Dominant WL:Ld=583.6nm Purity=67.4% Centroid WL:602.0nm
 Ratio:R=28.9% G=69.2% B=1.9% Peak WL:Lp=635.0nm HWL:36.1nm
 Render Index:Ra=95.5
 R1 =97 R2 =97 R3 =97 R4 =98 R5 =96 R6 =98 R7 =94
 R8 =86 R9 =67 R10=92 R11=98 R12=86 R13=97 R14=97 R15=91

Photo Parameters:

Flux: 1761.4 lm Fe: 5.5794 W Efficacy:112.6 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1327A P=15.65W PF=0.9812

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=24144$ (G=5,D=60)
 REF=26603 (R=3) $\%=-0.026\%$ PMT: 31.8 centigrade [150.0]

Product Type:
 Number:31
 Temperature:25.3 deg
 Test Operator:
 Software:V2.00.122

Manufacturer:EVERFINE
 Test Department:EVERFINE
 Humidity:65.0%
 Test Date:2023-06-20 15:57:08
 Instrument:PMS-80_V1 (SN:11080002)