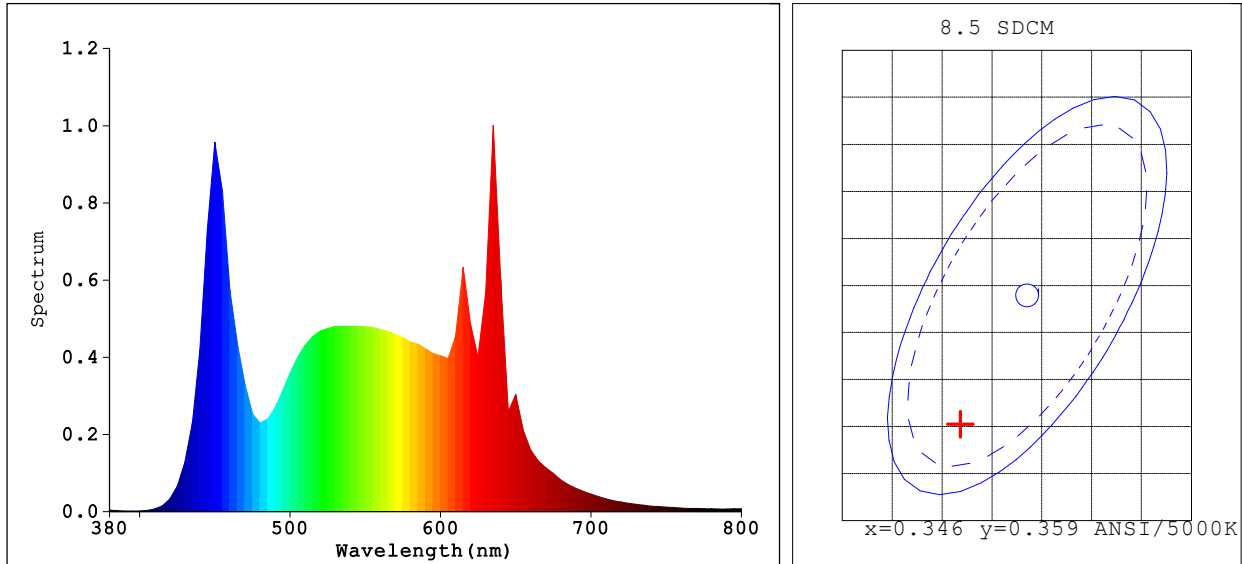


Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3402$ $y=0.3391$
 Chromaticity Coordinate: $u'=0.2130$ $v'=0.4777$ ($duv=-4.41e-03$)
 Tc=5159K Dominant WL:Ld=580.2nm Purity=3.8% Centroid WL:551.0nm
 Ratio:R=19.5% G=75.9% B=4.6% Peak WL:Lp=635.0nm HWL:13.5nm
 Render Index:Ra=94.4
 R1 =97 R2 =97 R3 =89 R4 =92 R5 =98 R6 =93 R7 =95
 R8 =95 R9 =90 R10=90 R11=90 R12=76 R13=98 R14=93 R15=95

Photo Parameters:

Flux: 2241.5 lm Fe: 7.4430 W Efficacy:102.4 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1840A P=21.89W PF=0.9899

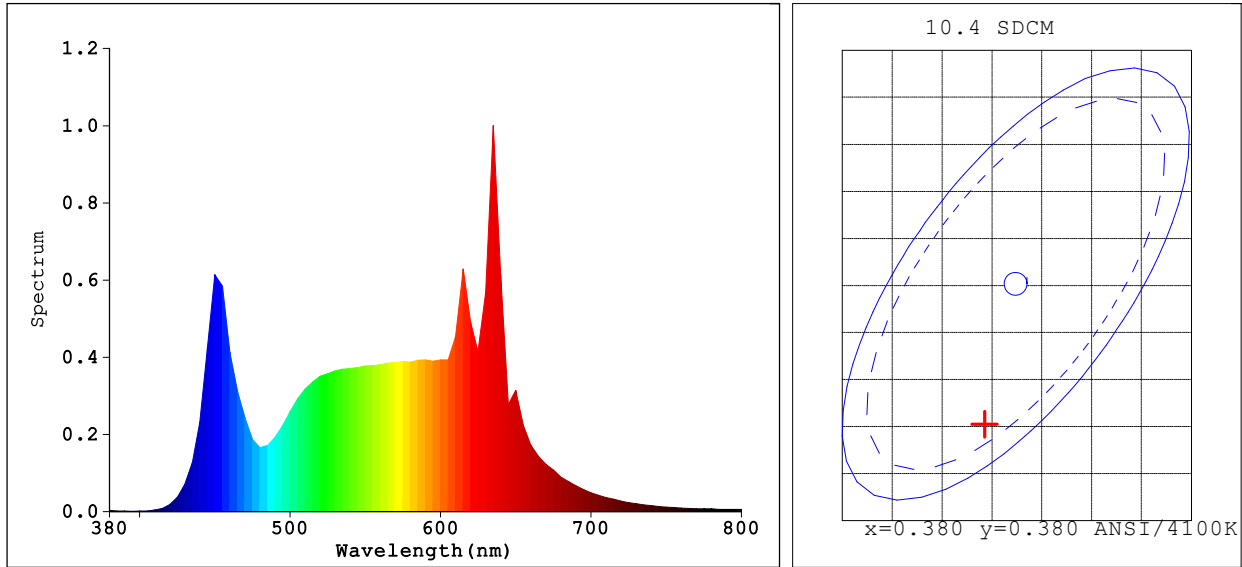
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=19716$ (G=4,D=56)
 REF=33306 (R=3) $\%=-0.117\%$ PMT: 30.8 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 14:58:19
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3773$ $y=0.3575$
 Chromaticity Coordinate: $u'=0.2310$ $v'=0.4923$ ($duv=-8.41e-03$)
 Tc=3936K Dominant WL:Ld=585.5nm Purity=20.5% Centroid WL:570.0nm
 Ratio:R=23.2% G=72.9% B=3.9% Peak WL:Lp=635.0nm HWL:13.9nm
 Render Index:Ra=94.9
 R1 =94 R2 =97 R3 =93 R4 =93 R5 =95 R6 =93 R7 =98
 R8 =95 R9 =88 R10=97 R11=90 R12=79 R13=94 R14=95 R15=92

Photo Parameters:

Flux: 2359.5 lm Fe: 7.7591 W Efficacy:112.8 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1760A P=20.92W PF=0.9889

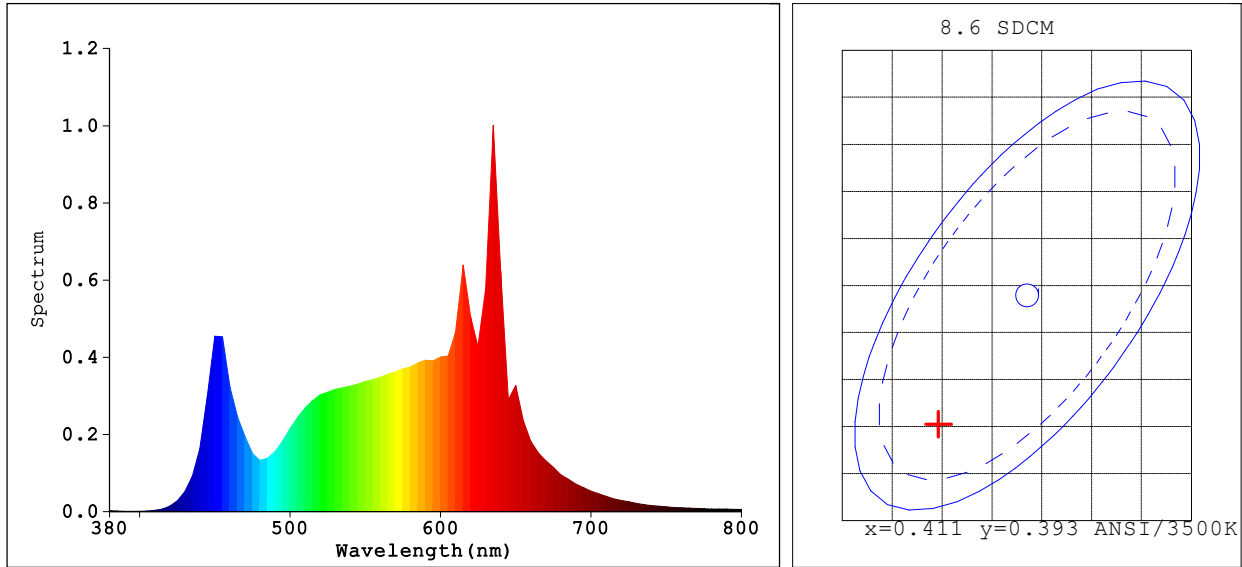
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=52669$ (G=5,D=60)
 REF=35257 (R=3) $\%=-0.040\%$ PMT: 30.8 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 15:02:39
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4033$ $y=0.3712$
 Chromaticity Coordinate: $u'=0.2427$ $v'=0.5026$ ($duv=-8.35e-03$)
 Tc=3375K Dominant WL:Ld=585.7nm Purity=32.5% Centroid WL:581.0nm
 Ratio:R=25.4% G=71.3% B=3.3% Peak WL:Lp=635.0nm HWL:14.4nm
 Render Index:Ra=95.6
 R1 =95 R2 =97 R3 =95 R4 =94 R5 =96 R6 =93 R7 =96
 R8 =99 R9 =97 R10=96 R11=91 R12=83 R13=95 R14=96 R15=95

Photo Parameters:

Flux: 2356.0 lm Fe: 7.6667 W Efficacy:114.6 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1731A P=20.56W PF=0.9886

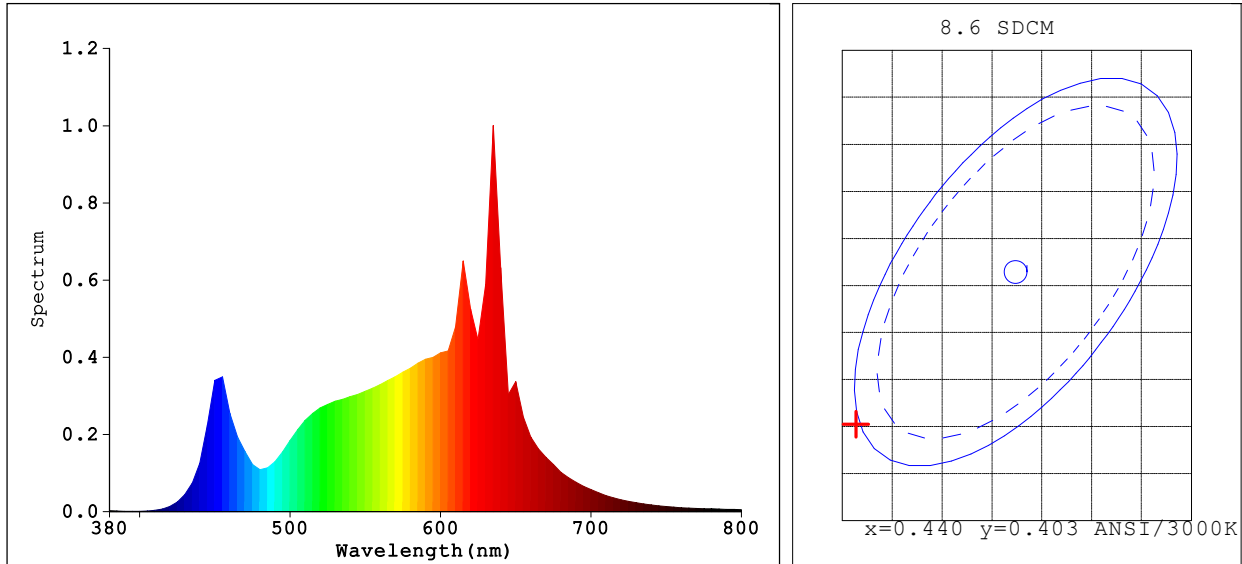
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=42994$ (G=5,D=60)
 REF=35327(R=3) $\%=-0.040\%$ PMT: 31.4 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 15:05:08
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4262$ $y=0.3834$
 Chromaticity Coordinate: $u'=0.2526$ $v'=0.5113$ ($duv=-7.02e-03$)
 Tc=3013K Dominant WL:Ld=585.8nm Purity=43.0% Centroid WL:590.0nm
 Ratio:R=27.2% G=70.0% B=2.8% Peak WL:Lp=635.0nm HWL:15.1nm
 Render Index:Ra=95.7
 R1 =97 R2 =98 R3 =96 R4 =95 R5 =97 R6 =93 R7 =94
 R8 =94 R9 =88 R10=97 R11=92 R12=86 R13=97 R14=97 R15=99

Photo Parameters:

Flux: 2281.4 lm Fe: 7.3550 W Efficacy:109.4 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1756A P=20.86W PF=0.9886

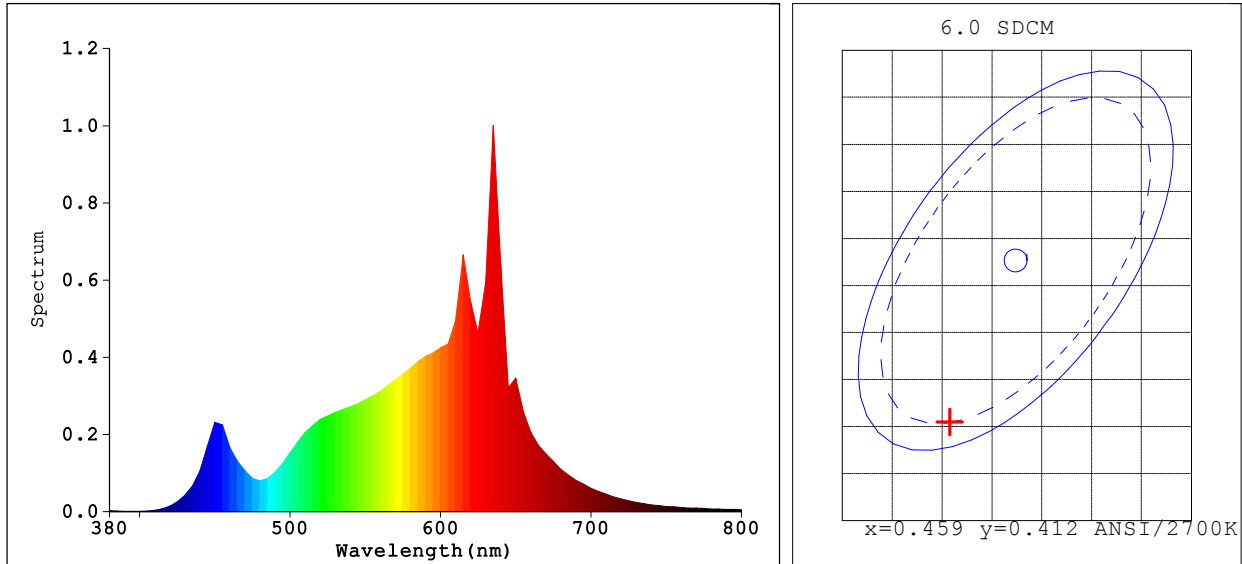
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=33411$ (G=5,D=60)
 REF=34307(R=3) $\%=-0.032\%$ PMT: 31.4 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 15:06:56
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4533$ $y=0.3982$
 Chromaticity Coordinate: $u'=0.2639$ $v'=0.5215$ ($duv=-4.12e-03$)
 Tc=2695K Dominant WL:Ld=585.7nm Purity=55.6% Centroid WL:598.0nm
 Ratio:R=29.0% G=68.9% B=2.1% Peak WL:Lp=635.0nm HWL:15.8nm
 Render Index:Ra=95.4
 R1 =99 R2 =98 R3 =97 R4 =96 R5 =99 R6 =95 R7 =92
 R8 =87 R9 =73 R10=95 R11=94 R12=90 R13=99 R14=97 R15=95

Photo Parameters:

Flux: 2146.4 lm Fe: 6.8311 W Efficacy:101.4 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1782A P=21.17W PF=0.9888

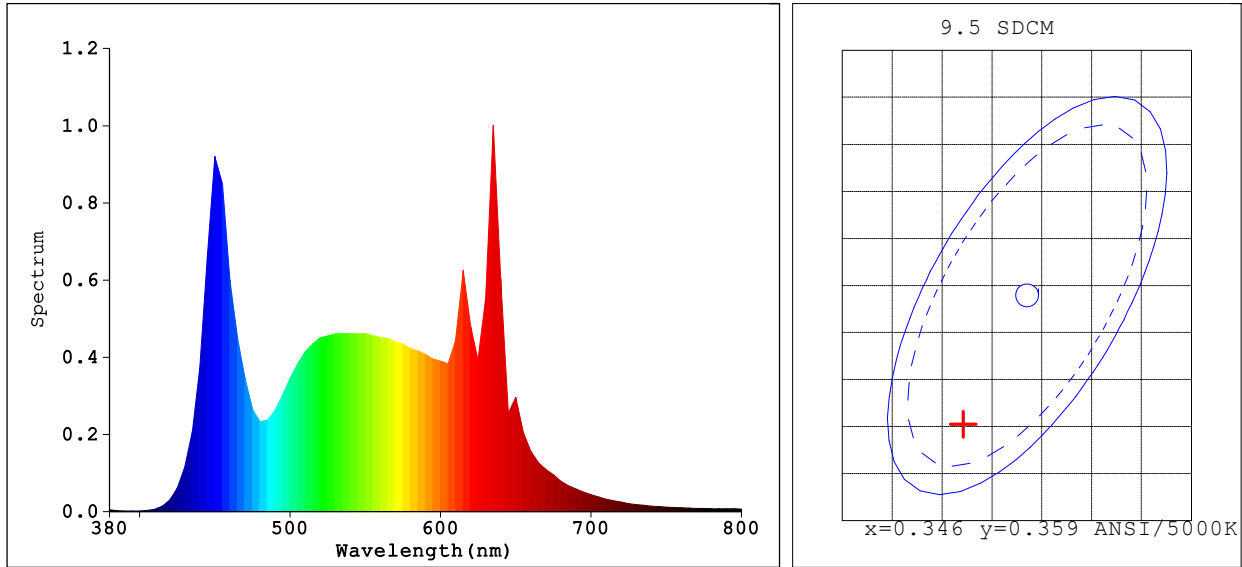
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=32212$ (G=5,D=60)
 REF=32379 (R=3) $\%=-0.025\%$ PMT: 31.6 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 15:08:33
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3405$ $y=0.3373$
 Chromaticity Coordinate: $u'=0.2139$ $v'=0.4768$ ($duv=-5.49e-03$)
 Tc=5144K Dominant WL:Ld=585.5nm Purity=3.3% Centroid WL:552.0nm
 Ratio:R=19.8% G=75.4% B=4.8% Peak WL:Lp=635.0nm HWL:13.1nm
 Render Index:Ra=94.1
 R1 =95 R2 =97 R3 =89 R4 =92 R5 =97 R6 =93 R7 =96
 R8 =93 R9 =84 R10=93 R11=90 R12=77 R13=96 R14=93 R15=92

Photo Parameters:

Flux: 1810.0 lm Fe: 6.0534 W Efficacy:106.1 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1443A P=17.05W PF=0.9833

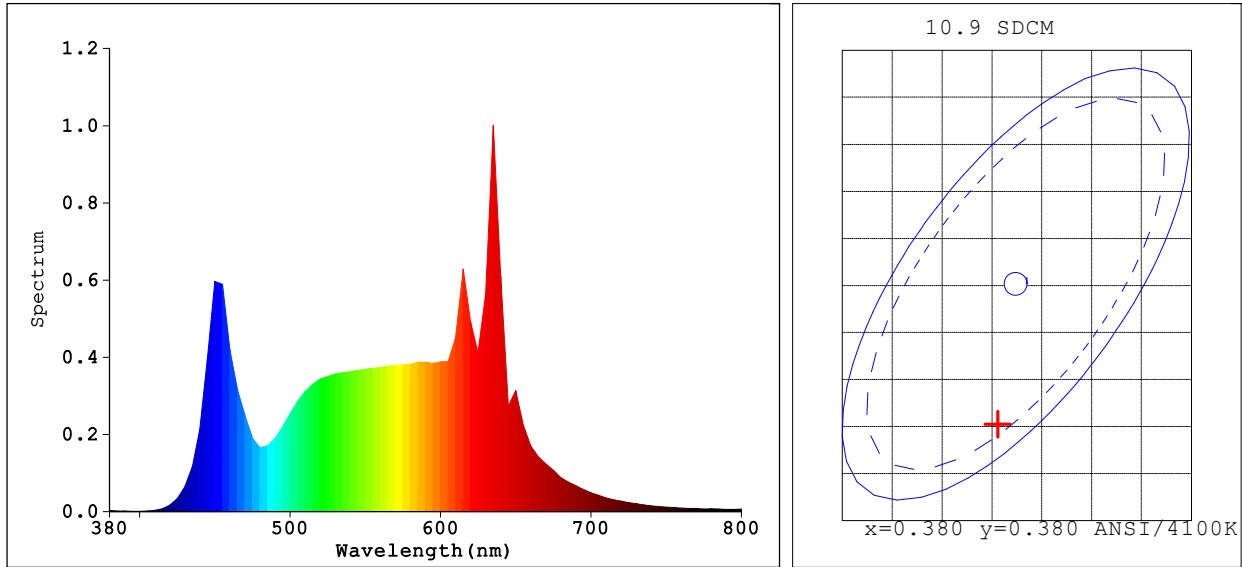
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=53087$ (G=5,D=60)
 REF=26924 (R=3) $\% = 0.022\%$ PMT: 31.6 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 15:10:02
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3785$ $y=0.3574$
 Chromaticity Coordinate: $u'=0.2318$ $v'=0.4925$ ($duv=-8.76e-03$)
 Tc=3902K Dominant WL:Ld=585.8nm Purity=20.8% Centroid WL:570.0nm
 Ratio:R=23.5% G=72.7% B=3.9% Peak WL:Lp=635.0nm HWL:13.7nm
 Render Index:Ra=94.6
 R1 =93 R2 =97 R3 =94 R4 =93 R5 =95 R6 =93 R7 =98
 R8 =95 R9 =87 R10=96 R11=90 R12=79 R13=94 R14=95 R15=92

Photo Parameters:

Flux: 1920.2 lm Fe: 6.3272 W Efficacy:115.8 lm/W

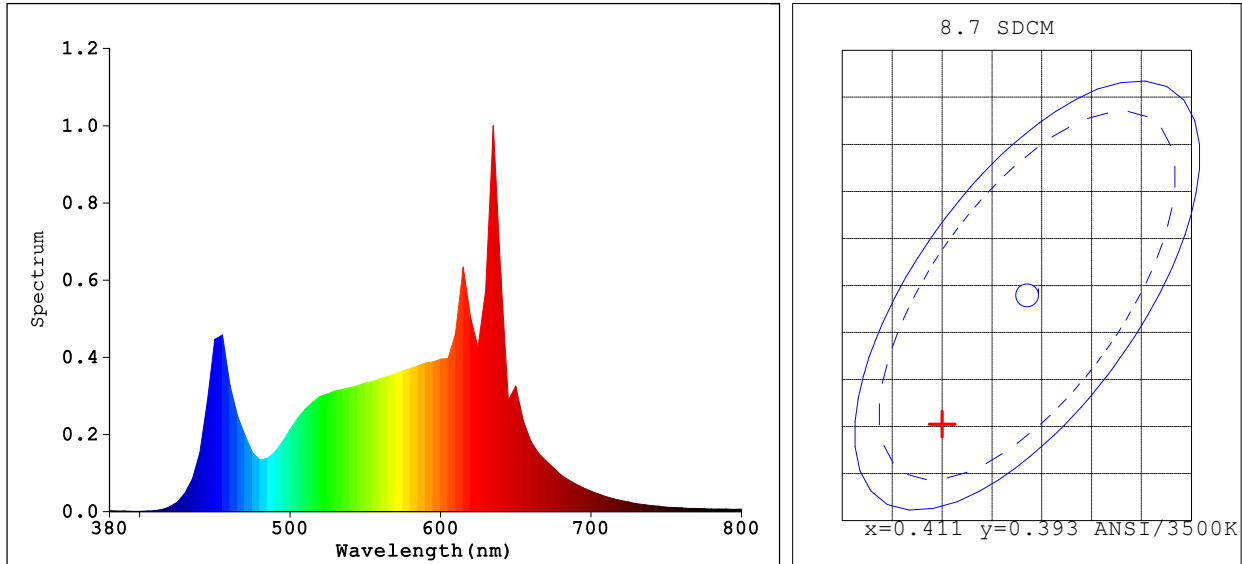
Electrical Parameters:

Luminaire: U=120.2V I=0.1404A P=16.58W PF=0.9824

Instrument Status:
 Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=43413$ (G=5,D=60)
 REF=28719 (R=3) $\% = 0.010\%$ PMT: 31.8 centigrade [150.0]

Product Type:	Manufacturer:EVERFINE
Number:23	Test Department:EVERFINE
Temperature:25.3 deg	Humidity:65.0%
Test Operator:	Test Date:2023-06-20 15:11:30
Software:V2.00.122	Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4036$ $y=0.3711$
 Chromaticity Coordinate: $u'=0.2429$ $v'=0.5025$ ($duv=-8.48e-03$)
 Tc=3367K Dominant WL:Ld=585.8nm Purity=32.5% Centroid WL:582.0nm
 Ratio:R=25.5% G=71.2% B=3.3% Peak WL:Lp=635.0nm HWL:14.3nm
 Render Index:Ra=95.4
 R1 =94 R2 =96 R3 =96 R4 =94 R5 =95 R6 =92 R7 =96
 R8 =99 R9 =96 R10=96 R11=90 R12=83 R13=95 R14=96 R15=95

Photo Parameters:

Flux: 1925.5 lm Fe: 6.2778 W Efficacy:117.7 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1387A P=16.37W PF=0.9820

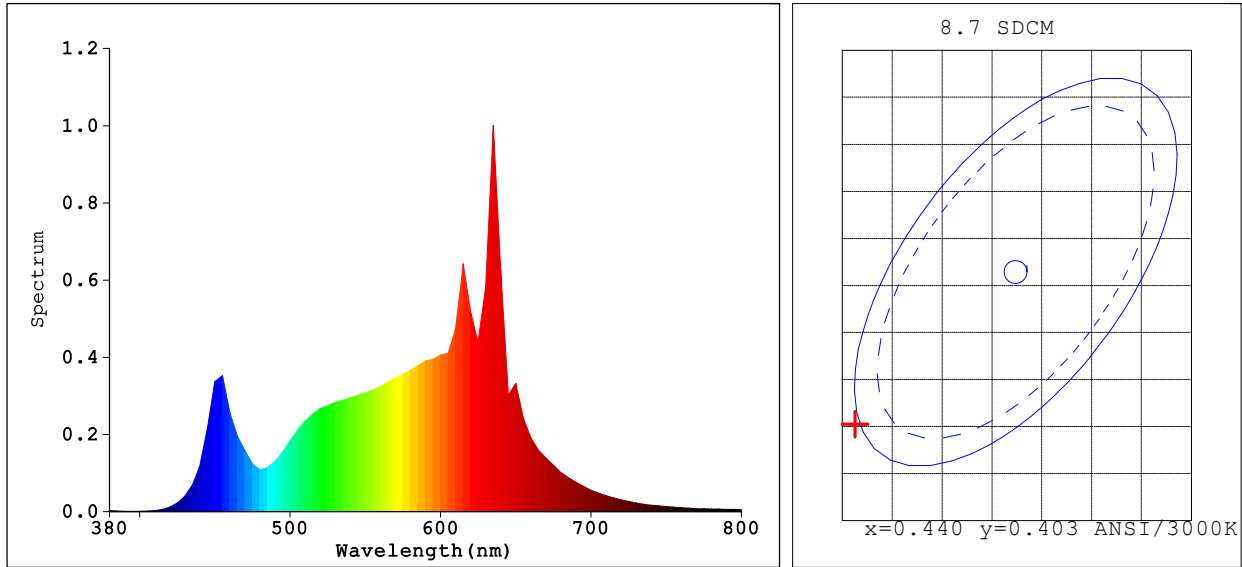
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=36044$ (G=5,D=59)
 REF=28895 (R=3) $\%=-0.024\%$ PMT: 31.8 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 15:13:00
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4260$ $y=0.3834$
 Chromaticity Coordinate: $u'=0.2525$ $v'=0.5113$ ($duv=-6.97e-03$)
 Tc=3017K Dominant WL:Ld=585.7nm Purity=42.9% Centroid WL:590.0nm
 Ratio:R=27.2% G=70.0% B=2.8% Peak WL:Lp=635.0nm HWL:14.8nm
 Render Index:Ra=95.7
 R1 =97 R2 =97 R3 =97 R4 =95 R5 =97 R6 =93 R7 =94
 R8 =95 R9 =89 R10=97 R11=92 R12=86 R13=96 R14=97 R15=99

Photo Parameters:

Flux: 1882.1 lm Fe: 6.0715 W Efficacy:113.4 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1405A P=16.59W PF=0.9824

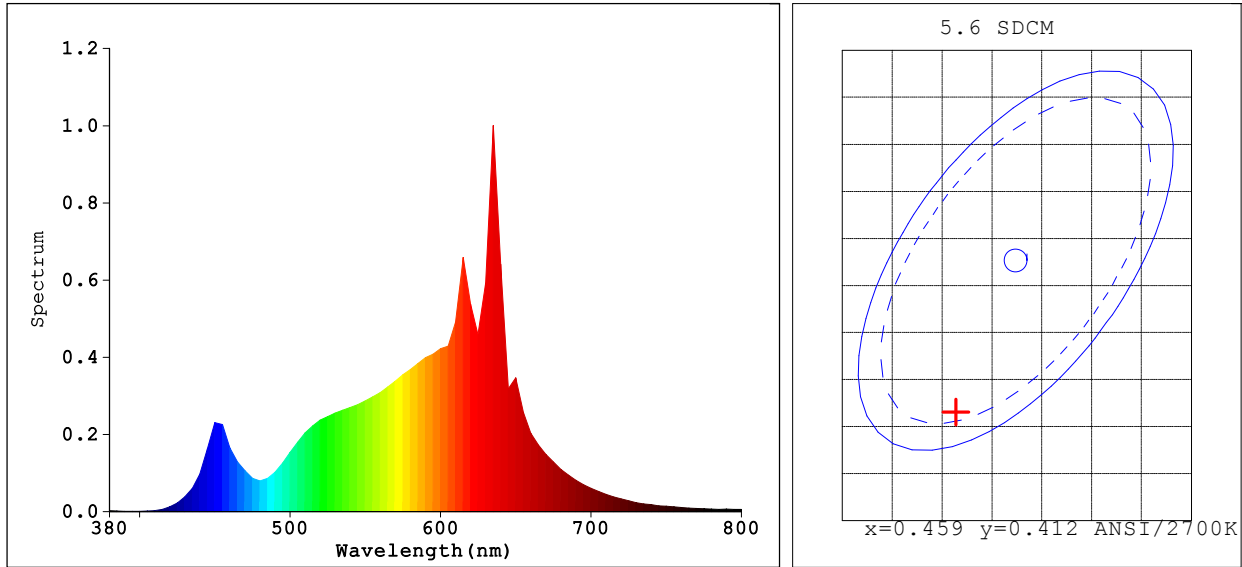
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=28130$ (G=5,D=60)
 REF=28321 (R=3) $\%=-0.011\%$ 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 15:14:44
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4538$ $y=0.3990$
 Chromaticity Coordinate: $u'=0.2638$ $v'=0.5219$ ($duv=-3.84e-03$)
 Tc=2694K Dominant WL:Ld=585.6nm Purity=56.0% Centroid WL:598.0nm
 Ratio:R=29.1% G=68.8% B=2.1% Peak WL:Lp=635.0nm HWL:15.6nm
 Render Index:Ra=95.6
 R1 =99 R2 =99 R3 =97 R4 =96 R5 =99 R6 =95 R7 =92
 R8 =88 R9 =74 R10=96 R11=94 R12=90 R13=99 R14=97 R15=95

Photo Parameters:

Flux: 1786.0 lm Fe: 5.6819 W Efficacy:106.1 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1425A P=16.83W PF=0.9830

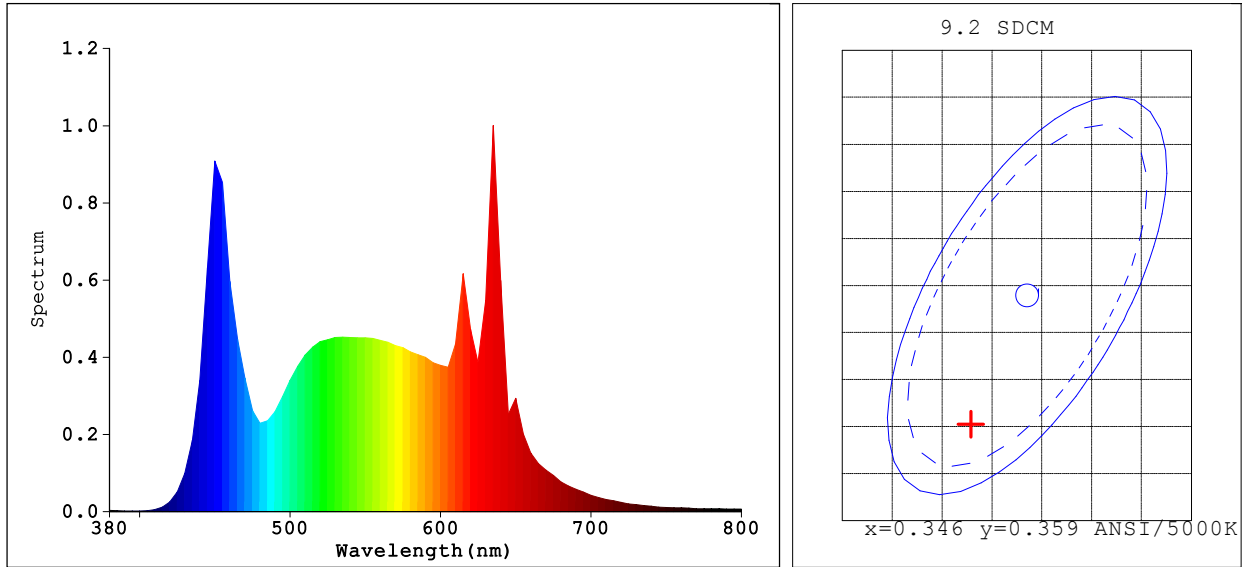
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=26981$ (G=5,D=60)
 REF=26961 (R=3) $\%=-0.019\%$ 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 15:16:10
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3411$ $y=0.3380$
 Chromaticity Coordinate: $u'=0.2141$ $v'=0.4773$ ($duv=-5.36e-03$)
 Tc=5117K Dominant WL:Ld=584.3nm Purity=3.8% Centroid WL:552.0nm
 Ratio:R=19.9% G=75.3% B=4.8% Peak WL:Lp=635.0nm HWL:12.9nm
 Render Index:Ra=94.2
 R1 =94 R2 =97 R3 =90 R4 =93 R5 =96 R6 =93 R7 =97
 R8 =93 R9 =82 R10=94 R11=90 R12=76 R13=96 R14=93 R15=92

Photo Parameters:

Flux: 1403.5 lm Fe: 4.6904 W Efficacy:110.8 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1084A P=12.67W PF=0.9722

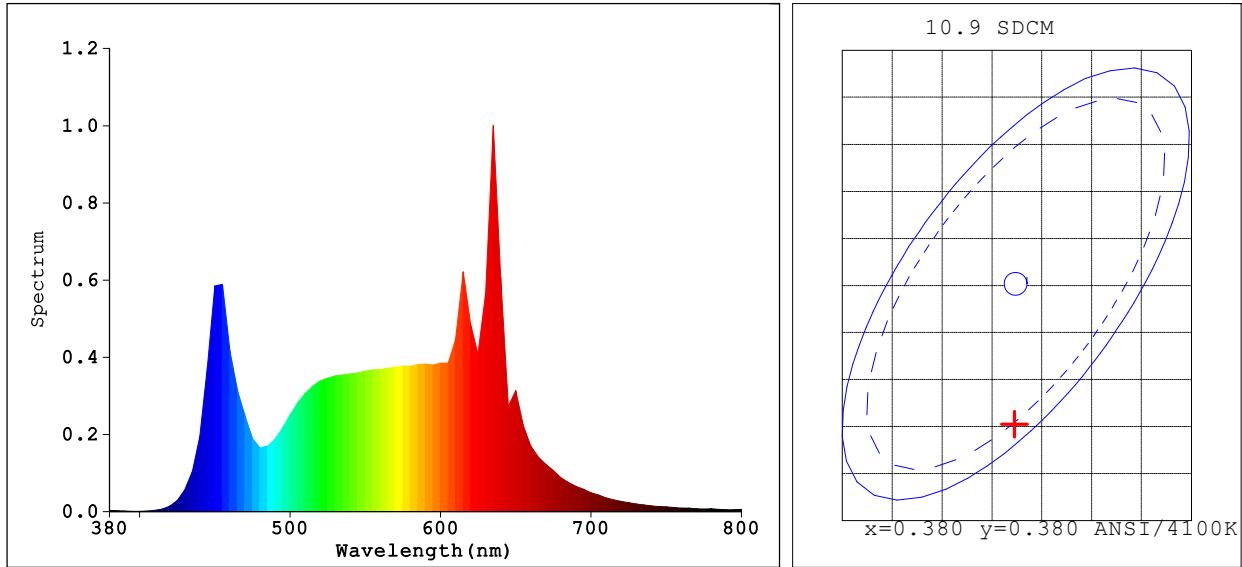
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=41493$ (G=5,D=60)
 REF=20904 (R=3) $\% = 0.019\%$ 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 15:17:34
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3799$ $y=0.3586$
 Chromaticity Coordinate: $u'=0.2322$ $v'=0.4932$ ($duv=-8.61e-03$)
 Tc=3870K Dominant WL:Ld=585.7nm Purity=21.6% Centroid WL:571.0nm
 Ratio:R=23.6% G=72.5% B=3.9% Peak WL:Lp=635.0nm HWL:13.7nm
 Render Index:Ra=94.6
 R1 =93 R2 =96 R3 =94 R4 =94 R5 =94 R6 =93 R7 =98
 R8 =94 R9 =86 R10=96 R11=90 R12=79 R13=93 R14=95 R15=92

Photo Parameters:

Flux: 1467.9 lm Fe: 4.8339 W Efficacy:118.6 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1060A P=12.37W PF=0.9713

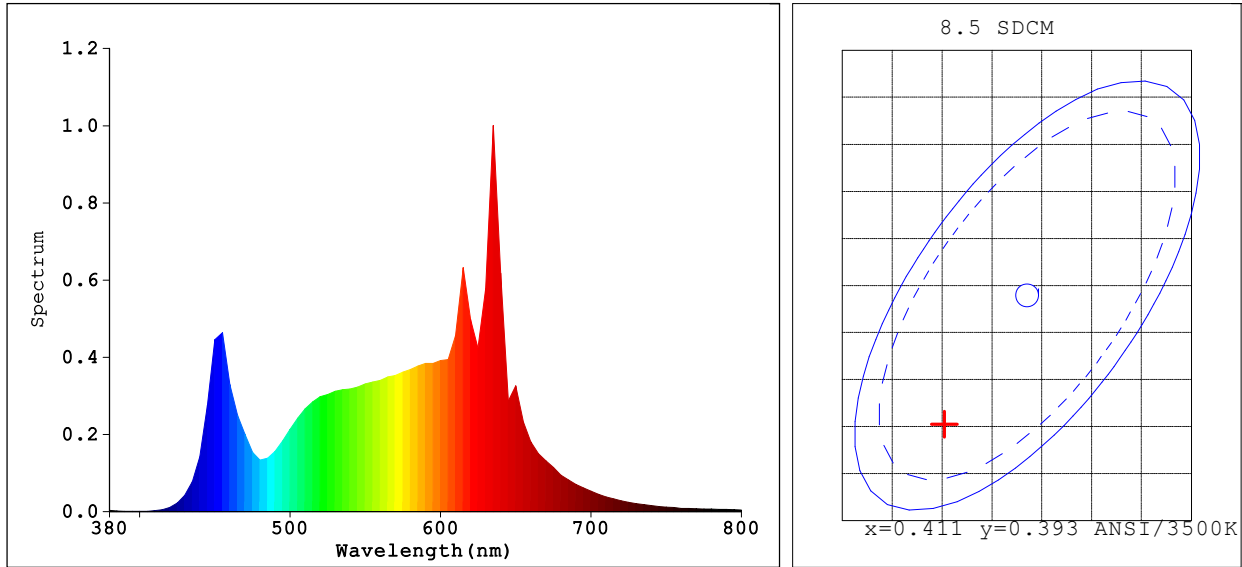
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=33618$ (G=5,D=60)
 REF=21984 (R=3) $\% = 0.023\%$ 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 15:19:00
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4038$ $y=0.3716$
 Chromaticity Coordinate: $u'=0.2429$ $v'=0.5028$ ($duv=-8.31e-03$)
 Tc=3366K Dominant WL:Ld=585.7nm Purity=32.7% Centroid WL:582.0nm
 Ratio:R=25.5% G=71.1% B=3.3% Peak WL:Lp=635.0nm HWL:14.3nm
 Render Index:Ra=95.3
 R1 =94 R2 =96 R3 =96 R4 =94 R5 =95 R6 =92 R7 =97
 R8 =99 R9 =95 R10=95 R11=90 R12=82 R13=94 R14=96 R15=94

Photo Parameters:

Flux: 1475.2 lm Fe: 4.8073 W Efficacy:120.5 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1050A P=12.25W PF=0.9707

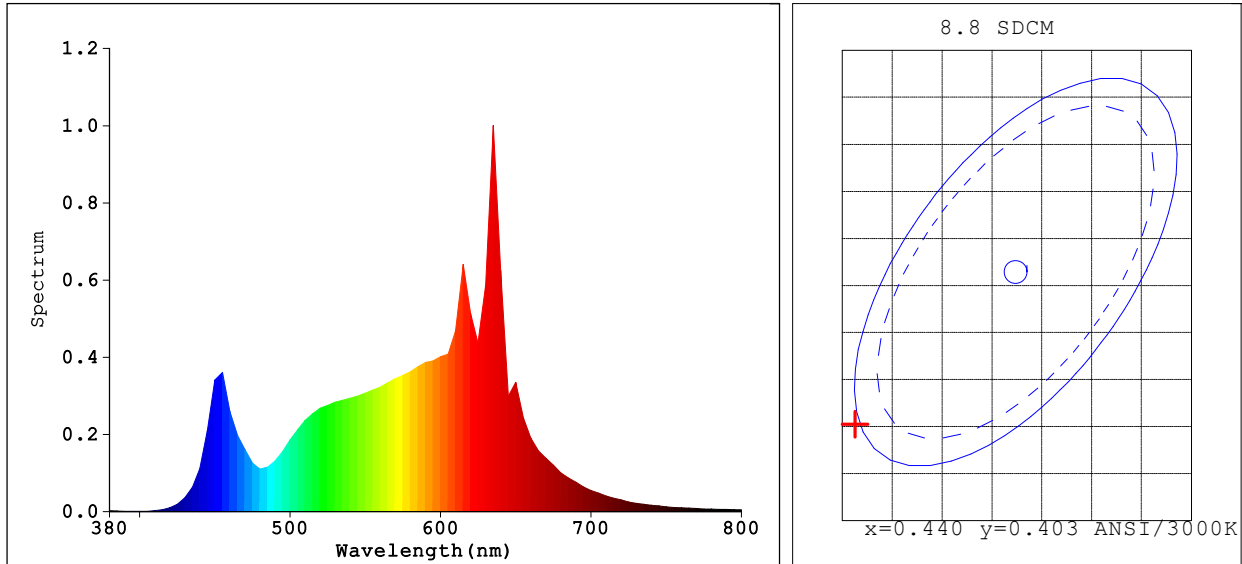
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=28083$ (G=5,D=61)
 REF=22162 (R=3) $\%=-0.018\%$ PMT: 31.4 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 15:21:22
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4254$ $y=0.3835$
 Chromaticity Coordinate: $u'=0.2520$ $v'=0.5112$ ($duv=-6.86e-03$)
 Tc=3029K Dominant WL:Ld=585.6nm Purity=42.8% Centroid WL:590.0nm
 Ratio:R=27.2% G=70.0% B=2.8% Peak WL:Lp=635.0nm HWL:14.8nm
 Render Index:Ra=95.6
 R1 =96 R2 =97 R3 =97 R4 =95 R5 =97 R6 =93 R7 =95
 R8 =96 R9 =91 R10=97 R11=92 R12=85 R13=96 R14=97 R15=98

Photo Parameters:

Flux: 1449.8 lm Fe: 4.6790 W Efficacy:117.0 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1062A P=12.39W PF=0.9712

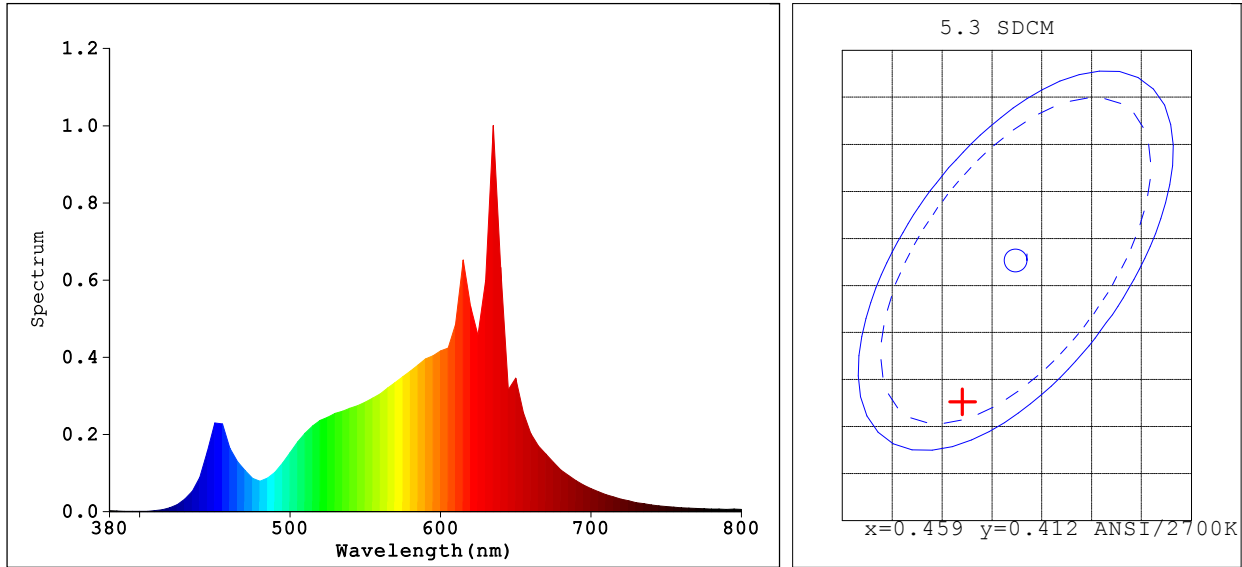
Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=22232$ (G=5,D=60)
 REF=21839 (R=3) $\%=-0.023\%$ PMT: 31.8 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 15:22:49
 Instrument:PMS-80_V1 (SN:11080002)

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4544 y=0.3999
 Chromaticity Coordinate: u'=0.2638 v'=0.5224 (duv=-3.55e-03)
 Tc=2693K Dominant WL:Ld=585.5nm Purity=56.4% Centroid WL:598.0nm
 Ratio:R=29.1% G=68.8% B=2.1% Peak WL:Lp=635.0nm HWL:15.6nm
 Render Index:Ra=95.8
 R1 =99 R2 =99 R3 =97 R4 =96 R5 =99 R6 =95 R7 =93
 R8 =89 R9 =75 R10=96 R11=94 R12=89 R13=99 R14=97 R15=95

Photo Parameters:

Flux: 1400.6 lm Fe: 4.4546 W Efficacy:111.7 lm/W

Electrical Parameters:

Luminaire: U=120.2V I=0.1074A P=12.54W PF=0.9716

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=21249 (G=5,D=60)
 REF=21167 (R=3) %=-0.014% PMT: 31.9 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 15:24:06
 Instrument:PMS-80_V1 (SN:11080002)