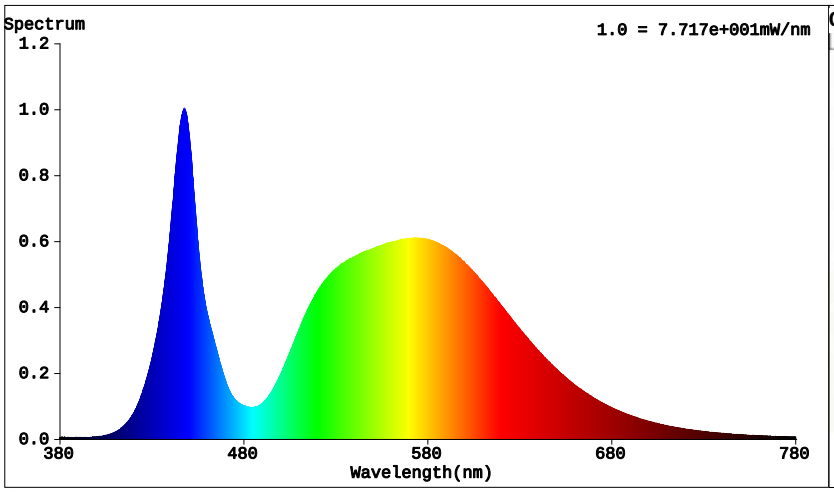
Spectrum Test Report

Sample	:	Date	: 2023-02-14 10:42:33
Specification	: MK5050-5050-8H1	Standardtus	:
Sample No.	: AL20048	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

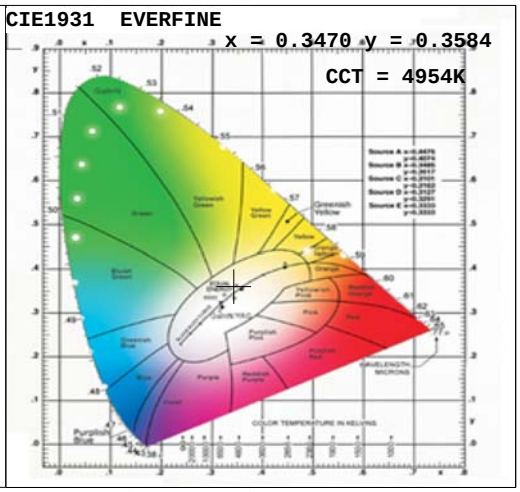
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52464 (80%)
Test Mode	: Fast Test	T	: 431 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3470 y = 0.3584 / u' = 0.2100 v' = 0.4882 (duv=2.65e-03)

CCT= 4954K Prcp WL: Ld=570.9nm Purity=11.7%

Peak WL: Lp=448nm FWHM: =19.3nm Ratio:R=14.1% G=83.0% B=2.9%

Render Index: Ra = 70.7

R1 =68	R2 =76	R3 =81	R4 =71	R5 =68	R6 =66	R7 =81	
R8 =55	R9 =0	R10=42	R11=67	R12=38	R13=69	R14=89	R15=62

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 2777.2 lm Eff. : 174.19 lm/W Fe = 8.1759 W

Photons1:3.739e+001 μmol/s(400~780nm) Photons2:8.150e-001 μmol/s(700~780nm)

Photosynthetic:PPF(400-700nm):36.577μmol/s PRF(400-700nm):8033.7mW

Eff(PPF) (400-700nm):2.29μmol/s/W

Electrical parameters

V = 45.54 V I = 0.3501 A P = 15.94 W PF = 1.000 F=0.00 Hz

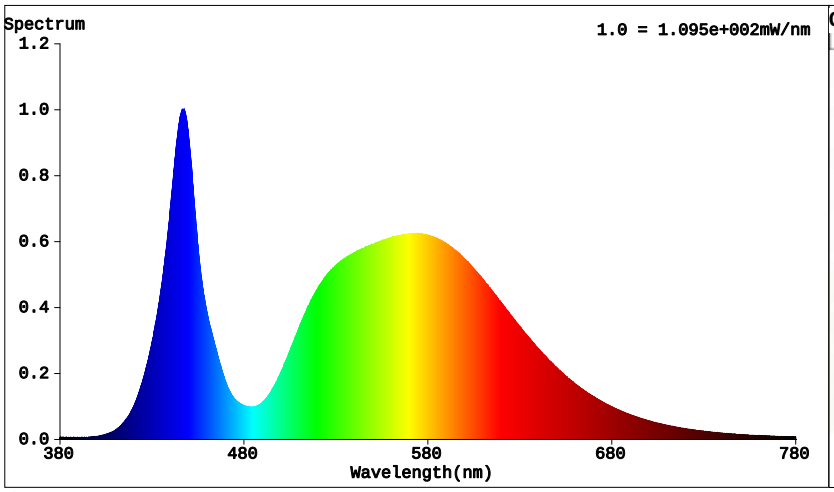
Spectrum Test Report

Sample	:	Date	: 2023-02-14 10:43:05
Specification	: MK5050-5050-8H1	Standardtus	:
Sample No.	: AL20048	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

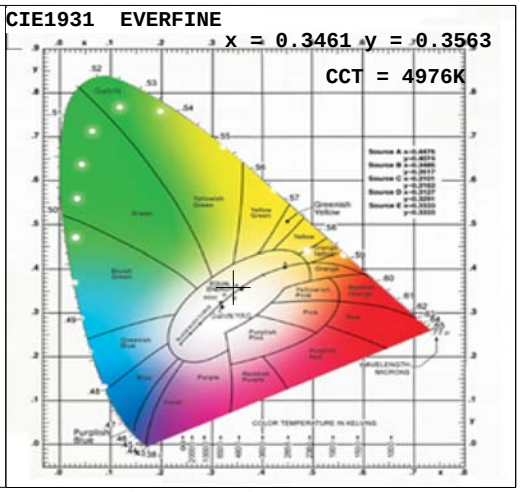
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52780 (81%)
Test Mode	: Fast Test	T	: 299 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3461 y = 0.3563 / u' = 0.2103 v' = 0.4871 (duv=1.90e-03)

CCT= 4976K Prcp WL: Ld=571.2nm Purity=10.8%

Peak WL: Lp=447nm FWHM: =20.6nm Ratio:R=14.1% G=83.0% B=2.9%

Render Index: Ra = 70.6

R1 =68	R2 =75	R3 =80	R4 =71	R5 =68	R6 =66	R7 =80	
R8 =56	R9 =0	R10=41	R11=68	R12=39	R13=69	R14=89	R15=62

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 4023.4 lm Eff. : 161.07 lm/W Fe = 11.926 W

Photons1:5.446e+001 μmol/s(400~780nm) Photons2:1.197e+000 μmol/s(700~780nm)

Photosynthetic:PPF(400-700nm):53.271μmol/s PRF(400-700nm):11716mW

Eff(PPF) (400-700nm):2.13μmol/s/W

Electrical parameters

V = 47.14 V I = 0.5299 A P = 24.98 W PF = 1.000 F=0.00 Hz

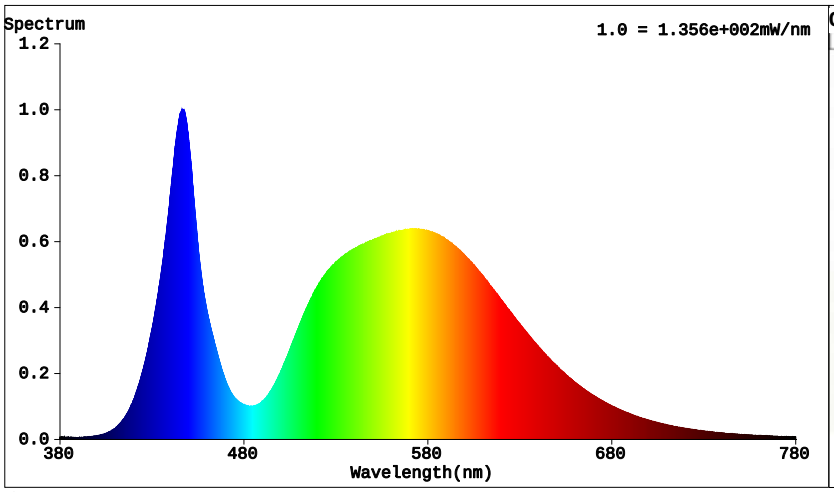
Spectrum Test Report

Sample	:	Date	: 2023-02-14 10:43:27
Specification	: MK5050-5050-8H1	Standardtus	:
Sample No.	: AL20048	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

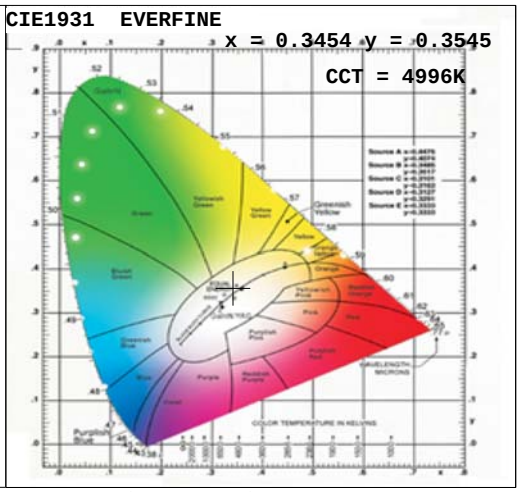
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52730 (80%)
Test Mode	: Fast Test	T	: 236 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3454 y = 0.3545 / u' = 0.2105 v' = 0.4861 (duv=1.29e-03)

CCT= 4996K Prcp WL: Ld=571.5nm Purity=10.0%

Peak WL: Lp=447nm FWHM: =21.9nm Ratio:R=14.1% G=83.0% B=2.9%

Render Index: Ra = 70.6

R1 =68	R2 =75	R3 =80	R4 =71	R5 =69	R6 =66	R7 =80	
R8 =56	R9 =0	R10=40	R11=68	R12=40	R13=69	R14=89	R15=63

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 5092.4 lm Eff. : 150.03 lm/W Fe = 15.191 W

Photons1:6.929e+001 μmol/s(400~780nm) Photons2:1.543e+000 μmol/s(700~780nm)

Photosynthetic:PPF(400-700nm):67.756μmol/s PRF(400-700nm):14919mW

Eff(PPF) (400-700nm):2.00μmol/s/W

Electrical parameters

V = 48.50 V I = 0.6999 A P = 33.94 W PF = 1.000 F=0.00 Hz

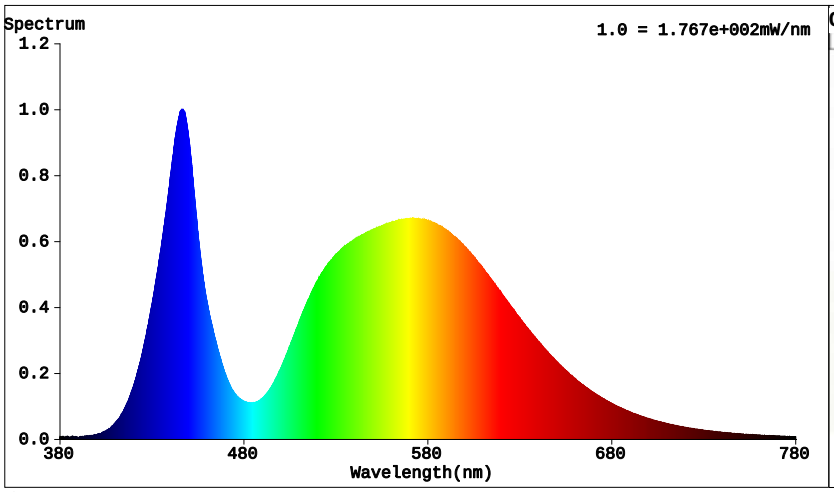
Spectrum Test Report

Sample	:	Date	: 2023-02-14 10:43:45
Specification	: MK5050-5050-8H1	Standardtus	:
Sample No.	: AL20048	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

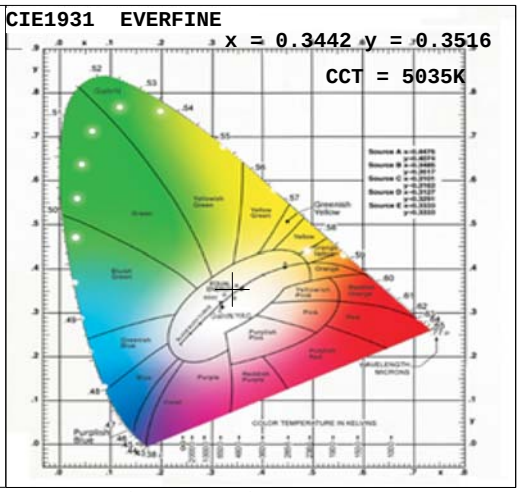
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52584 (80%)
Test Mode	: Fast Test	T	: 172 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3442 y = 0.3516 / u' = 0.2108 v' = 0.4845 (duv=3.48e-04)

CCT= 5035K Prcp WL: Ld=571.9nm Purity=8.8%

Peak WL: Lp=446nm FWHM: =25.0nm Ratio:R=14.2% G=82.9% B=2.9%

Render Index: Ra = 70.6

R1 =69	R2 =75	R3 =79	R4 =72	R5 =70	R6 =66	R7 =79	
R8 =56	R9 =0	R10=40	R11=69	R12=45	R13=69	R14=88	R15=63

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 6958.8 lm Eff. : 129.88 lm/W Fe = 21.002 W

Photons1:9.563e+001 μmol/s(400~780nm) Photons2:2.193e+000 μmol/s(700~780nm)

Photosynthetic:PPF(400-700nm):93.44μmol/s PRF(400-700nm):20611mW

Eff(PPF) (400-700nm):1.74μmol/s/W

Electrical parameters

V = 51.04 V I = 1.050 A P = 53.58 W PF = 1.000 F=0.00 Hz

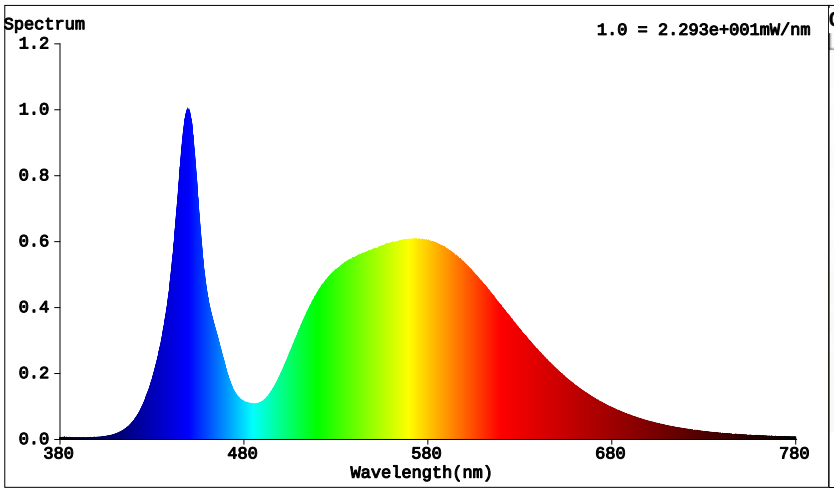
Spectrum Test Report

Sample	:	Date	: 2023-02-14 10:45:08
Specification	: MK5050-5050-8H1	Standardtus	:
Sample No.	: AL20048	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

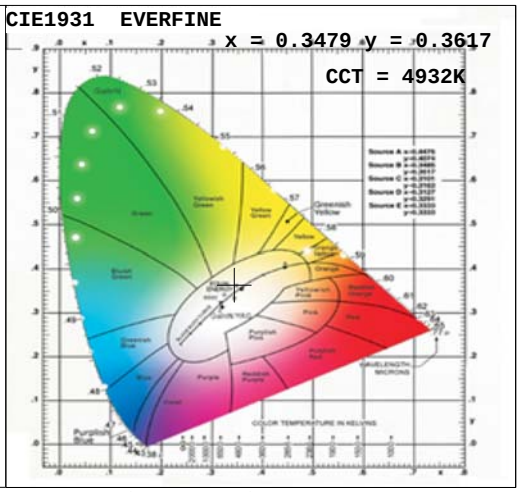
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 48774 (74%)
Test Mode	: Fast Test	T	: 1355 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3479 y = 0.3617 / u' = 0.2094 v' = 0.4899 (duv=3.89e-03)

CCT= 4932K Prcp WL: Ld=570.3nm Purity=12.9%

Peak WL: Lp=449nm FWHM: =18.2nm Ratio:R=14.1% G=82.8% B=3.0%

Render Index: Ra = 71.4

R1 =68	R2 =77	R3 =83	R4 =71	R5 =68	R6 =67	R7 =82	
R8 =55	R9 =0	R10=44	R11=66	R12=37	R13=69	R14=90	R15=62

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 822.65 lm Eff. : 194.41 lm/W Fe = 2.4046 W

Photons1:1.102e+001 μmol/s(400~780nm) Photons2:2.438e-001 μmol/s(700~780nm)

Photosynthetic:PPF(400-700nm):10.781μmol/s PRF(400-700nm):2362.5mW

Eff(PPF) (400-700nm):2.55μmol/s/W

Electrical parameters

V = 42.57 V I = 0.09940 A P = 4.232 W PF = 1.000 F=0.00 Hz

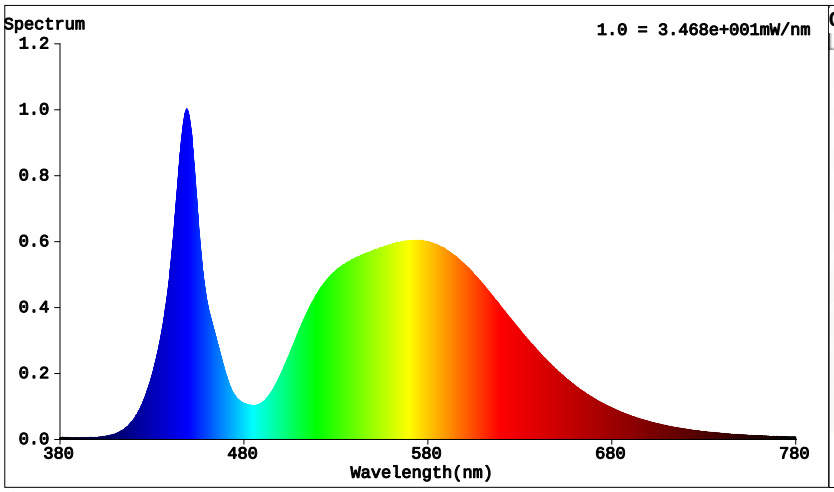
Spectrum Test Report

Sample	:	Date	: 2023-02-14 10:47:00
Specification	: MK5050-5050-8H1	Standardtus	:
Sample No.	: AL20048	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

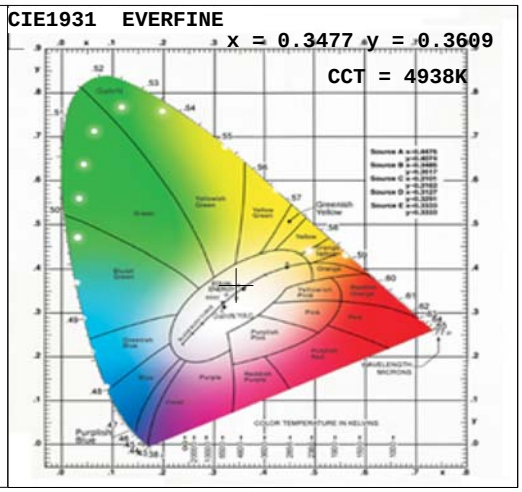
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52493 (80%)
Test Mode	: Fast Test	T	: 971 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3477 y = 0.3609 / u' = 0.2096 v' = 0.4895 (duv=3.60e-03)

CCT= 4938K Prcp WL: Ld=570.4nm Purity=12.6%

Peak WL: Lp=449nm FWHM: =18.2nm Ratio:R=14.1% G=82.9% B=3.0%

Render Index: Ra = 71.2

R1 =68	R2 =76	R3 =82	R4 =71	R5 =68	R6 =67	R7 =82	
R8 =55	R9 =0	R10=43	R11=67	R12=37	R13=69	R14=90	R15=62

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 1235.8 lm Eff. : 190.27 lm/W Fe = 3.6168 W

Photons1:1.657e+001 μmol/s(400~780nm) Photons2:3.630e-001 μmol/s(700~780nm)

Photosynthetic:PPF(400-700nm):16.209μmol/s PRF(400-700nm):3554mW

Eff(PPF) (400-700nm):2.50μmol/s/W

Electrical parameters

V = 43.30 V I = 0.1500 A P = 6.495 W PF = 1.000 F=0.00 Hz

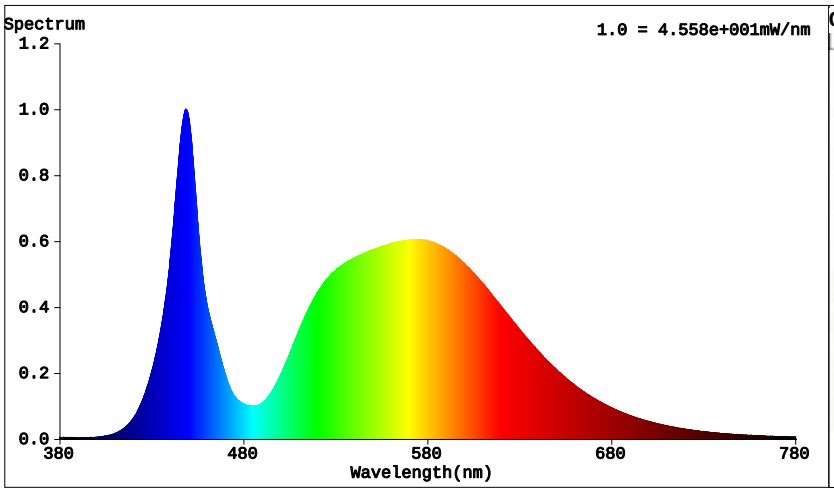
Spectrum Test Report

Sample	:	Date	: 2023-02-14 10:47:38
Specification	: MK5050-5050-8H1	Standardtus	:
Sample No.	: AL20048	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

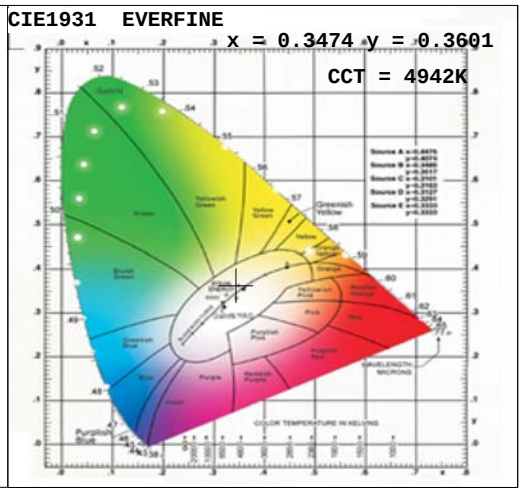
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52681 (80%)
Test Mode	: Fast Test	T	: 738 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3474 y = 0.3601 / u' = 0.2097 v' = 0.4891 (duv=3.29e-03)

CCT= 4942K Prcp WL: Ld=570.5nm Purity=12.3%

Peak WL: Lp=449nm FWHM: =18.6nm Ratio:R=14.1% G=82.9% B=3.0%

Render Index: Ra = 71.0

R1 =68	R2 =76	R3 =82	R4 =71	R5 =68	R6 =67	R7 =81	
R8 =55	R9 =0	R10=43	R11=67	R12=37	R13=69	R14=90	R15=62

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 1631.4 lm Eff. : 185.83 lm/W Fe = 4.7841 W

Photons1:2.191e+001 μmol/s(400~780nm) Photons2:4.806e-001 μmol/s(700~780nm)

Photosynthetic:PPF(400-700nm):21.427μmol/s PRF(400-700nm):4700.6mW

Eff(PPF) (400-700nm):2.44μmol/s/W

Electrical parameters

V = 43.90 V I = 0.2000 A P = 8.779 W PF = 1.000 F=0.00 Hz

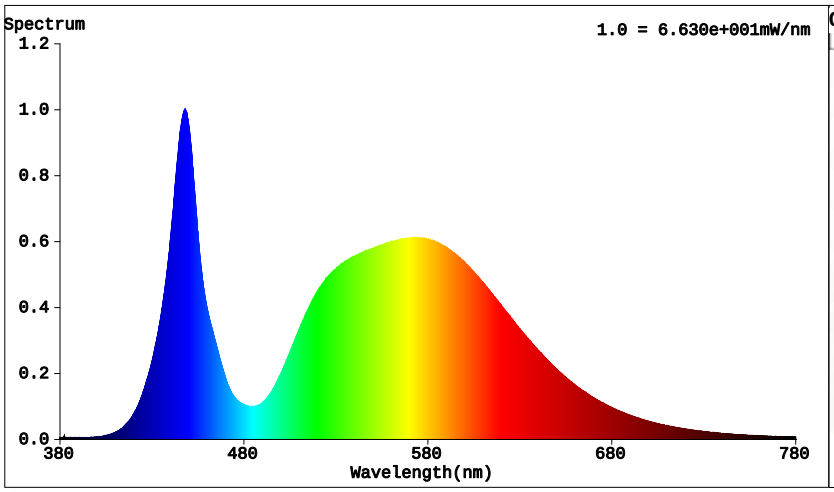
Spectrum Test Report

Sample	:	Date	: 2023-02-14 10:48:30
Specification	: MK5050-5050-8H1	Standardtus	:
Sample No.	: AL20048	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

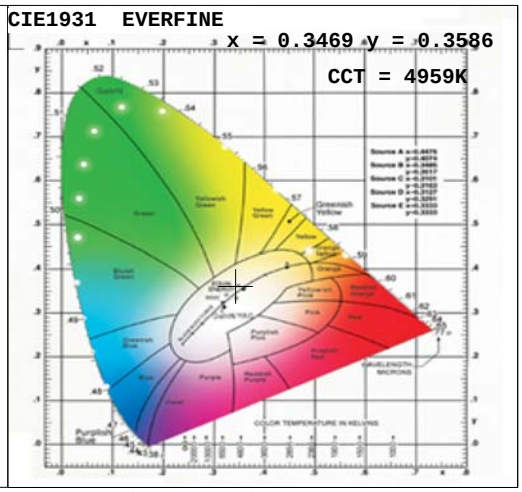
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52805 (81%)
Test Mode	: Fast Test	T	: 504 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3469 y = 0.3586 / u' = 0.2099 v' = 0.4883 (duv=2.76e-03)

CCT= 4959K Prcp WL: Ld=570.7nm Purity=11.7%

Peak WL: Lp=448nm FWHM: =19.2nm Ratio:R=14.1% G=83.0% B=2.9%

Render Index: Ra = 70.9

R1 =68	R2 =76	R3 =81	R4 =71	R5 =68	R6 =66	R7 =81	
R8 =55	R9 =0	R10=42	R11=67	R12=38	R13=69	R14=89	R15=62

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 2391.7 lm Eff. : 177.30 lm/W Fe = 7.0410 W

Photons1:3.221e+001 μmol/s(400~780nm) Photons2:7.069e-001 μmol/s(700~780nm)

Photosynthetic:PPF(400-700nm):31.504μmol/s PRF(400-700nm):6917.9mW

Eff(PPF) (400-700nm):2.34μmol/s/W

Electrical parameters

V = 44.95 V I = 0.3001 A P = 13.49 W PF = 1.000 F=0.00 Hz