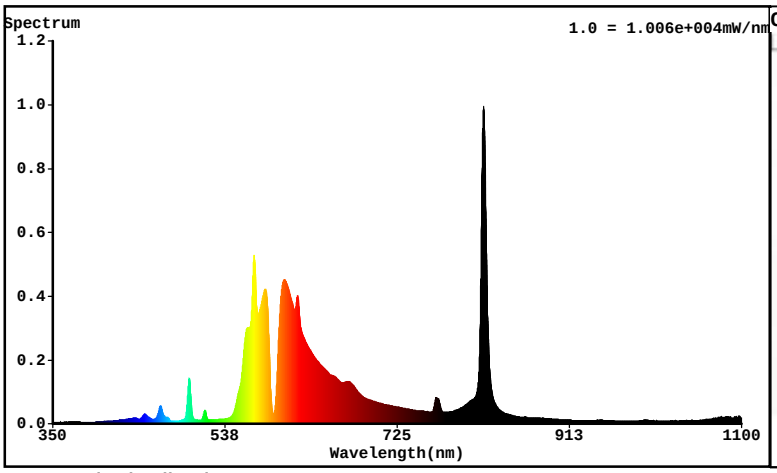
Spectrum Test Report

Sample	: HPS GROW LIGHT	Date	: 2015-07-16 14:23:11
Specification	: LU1000W A 400V	Sam. Status	: OH
Sample No.	: 20150715D03-04 01	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: LUMENHORT	Test by	: wj

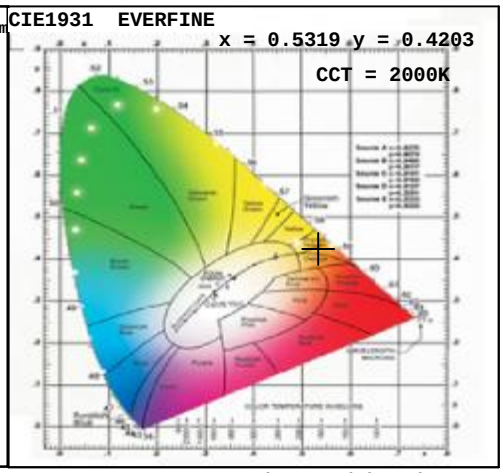
Test Condition

Temprature	: 25.0Deg	RH	: 65.0%
WL Range	: 350nm-1100nm	IP	: 45030 (69%)
Test Mode	: Accuracy Test	T	: 34 ms
		Delicacy	: Low

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: x = 0.5319 y = 0.4203 / u' = 0.3048 v' = 0.5419 (duv=2.24e-03)

CCT= 2000K Prcp WL: Ld=588.2nm Purity=85.8%

Peak WL: Lp=819nm FWHM: =6.3nm Ratio:R=31.4% G=67.4% B=1.2%

Render Index: Ra = 45.4

R1 =39	R2 =70	R3 =80	R4 =20	R5 =31	R6 =54	R7 =62	
R8 =7	R9 =0	R10=44	R11=0	R12=24	R13=38	R14=88	R15=39

Photometric & Radiometric Quantities

Flux = 133344 lm Eff. : 134.39 lm/W Fe = 557.92 W

Flux of emitted photons(umol/s):2155 Fluo. and blue light ratio:33.50 Fluorescent eff.:539.8

PAR WATT:3.7269e+005mW(400-700nm)

Electrical parameters

V = 240.1 V I = 4.180 A P = 992.2 W PF = 0.9886

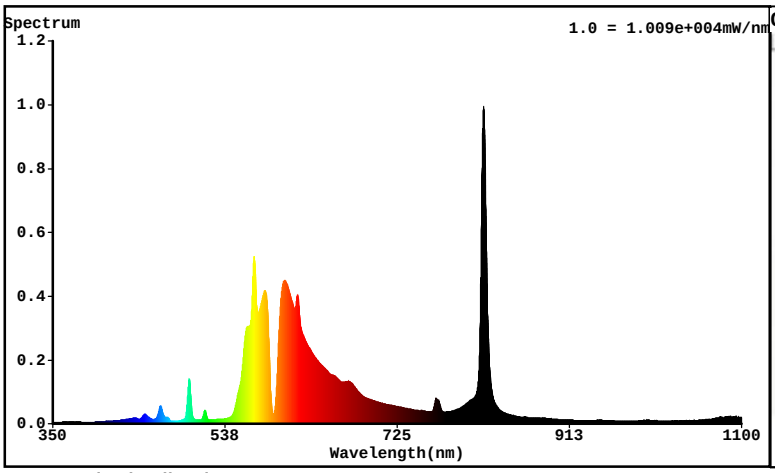
Spectrum Test Report

Sample	: HPS GROW LIGHT	Date	: 2015-07-16 14:41:39
Specification	: LU1000W A 400V	Sam. Status	: OH
Sample No.	: 20150715D03-04 02	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: LUMENHORT	Test by	: wj

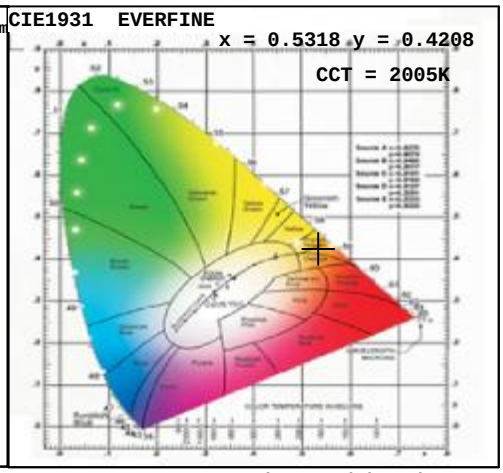
Test Condition

Temprature	: 25.0Deg	RH	: 65.0%
WL Range	: 350nm-1100nm	IP	: 44979 (69%)
Test Mode	: Accuracy Test	T	: 34 ms
		Delicacy	: Low

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: x = 0.5318 y = 0.4208 / u' = 0.3045 v' = 0.5421 (duv=2.39e-03)

CCT= 2005K Prcp WL: Ld=588.2nm Purity=86.0%

Peak WL: Lp=819nm FWHM: =6.4nm Ratio:R=31.5% G=67.3% B=1.2%

Render Index: Ra = 46.1

R1 =39	R2 =70	R3 =81	R4 =21	R5 =32	R6 =54	R7 =63	
R8 =8	R9 =0	R10=44	R11=0	R12=24	R13=38	R14=88	R15=40

Photometric & Radiometric Quantities

Flux = 133722 lm Eff. : 134.87 lm/W Fe = 562.33 W

Flux of emitted photons(umol/s):2169.6 Fluo. and blue light ratio:33.83 Fluorescent eff.:543.7

PAR WATT:3.7484e+005mW(400-700nm)

Electrical parameters

V = 237.5 V I = 4.230 A P = 991.5 W PF = 0.9869

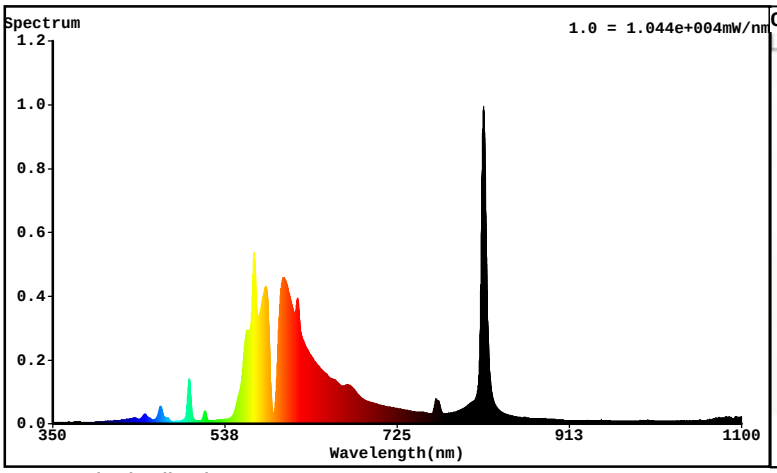
Spectrum Test Report

Sample	: HPS GROW LIGHT	Date	: 2015-07-16 15:04:03
Specification	: LU1000W A 400V	Sam. Status	: OH
Sample No.	: 20150715D03-04 03	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: LUMENHORT	Test by	: wj

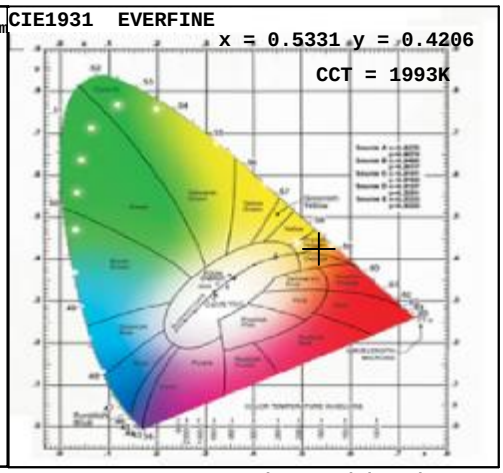
Test Condition

Temprature	: 25.0Deg	RH	: 65.0%
WL Range	: 350nm-1100nm	IP	: 47504 (72%)
Test Mode	: Accuracy Test	T	: 34 ms
		Delicacy	: Low

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: x = 0.5331 y = 0.4206 / u' = 0.3054 v' = 0.5422 (duv=2.39e-03)

CCT= 1993K Prcp WL: Ld=588.3nm Purity=86.3%

Peak WL: Lp=819nm FWHM: =6.2nm Ratio:R=30.8% G=68.0% B=1.2%

Render Index: Ra = 42.3

R1 =35	R2 =69	R3 =78	R4 =16	R5 =28	R6 =52	R7 =60	
R8 =0	R9 =0	R10=43	R11=0	R12=22	R13=35	R14=86	R15=35

Photometric & Radiometric Quantities

Flux = 137508 lm Eff. : 139.12 lm/W Fe = 559.06 W

Flux of emitted photons(umol/s):2160.7 Fluo. and blue light ratio:33.54 Fluorescent eff.:541.4

PAR WATT:3.7754e+005mW(400-700nm)

Electrical parameters

V = 233.8 V I = 4.289 A P = 988.4 W PF = 0.9857

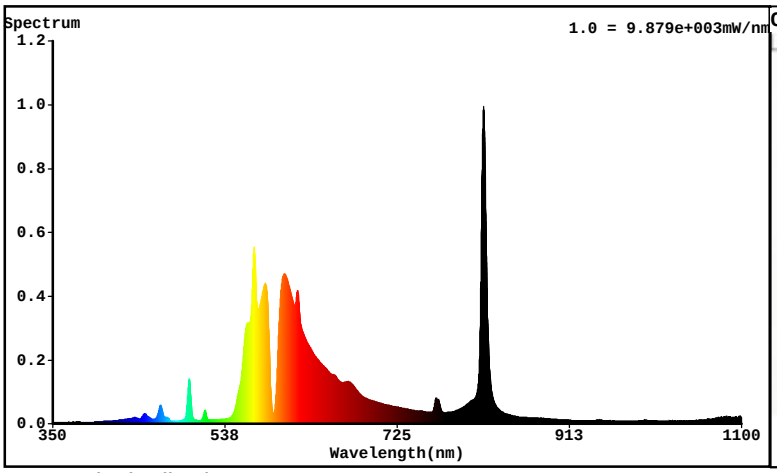
Spectrum Test Report

Sample	: HPS GROW LIGHT	Date	: 2015-07-16 15:33:50
Specification	: LU1000W A 400V	Sam. Status	: OH
Sample No.	: 20150715D03-04 04	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: LUMENHORT	Test by	: wj

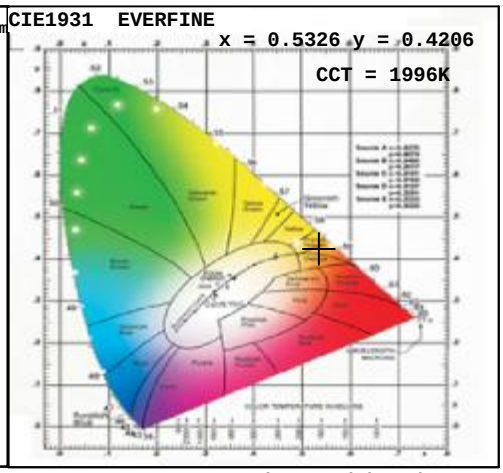
Test Condition

Temprature	: 25.0Deg	RH	: 65.0%
WL Range	: 350nm-1100nm	IP	: 46393 (71%)
Test Mode	: Accuracy Test	T	: 34 ms
		Delicacy	: Low

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: x = 0.5326 y = 0.4206 / u' = 0.3052 v' = 0.5422 (duv=2.36e-03)

CCT= 1996K Prcp WL: Ld=588.2nm Purity=86.1%

Peak WL: Lp=819nm FWHM: =6.2nm Ratio:R=31.3% G=67.6% B=1.1%

Render Index: Ra = 44.4

R1 =38	R2 =69	R3 =80	R4 =18	R5 =30	R6 =52	R7 =62	
R8 =5	R9 =0	R10=43	R11=0	R12=22	R13=37	R14=88	R15=38

Photometric & Radiometric Quantities

Flux = 134656 lm Eff. : 136.24 lm/W Fe = 551.57 W

Flux of emitted photons(umol/s):2149 Fluo. and blue light ratio:33.66 Fluorescent eff.:534.6

PAR WATT:3.778e+005mW(400-700nm)

Electrical parameters

V = 237.9 V I = 4.212 A P = 988.4 W PF = 0.9864

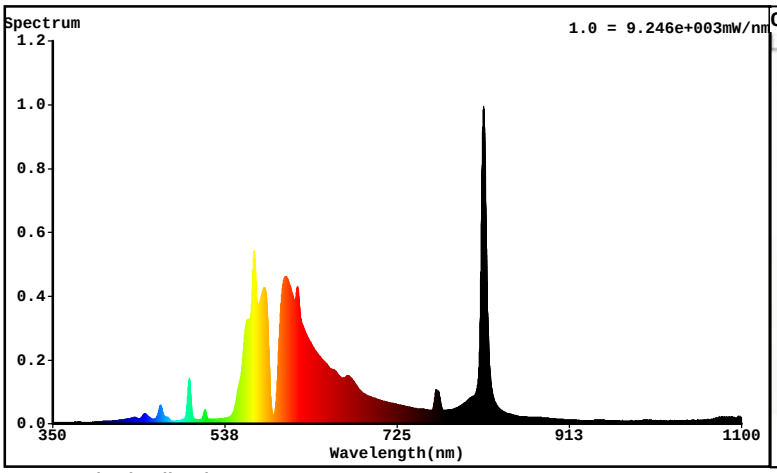
Spectrum Test Report

Sample	: HPS GROW LIGHT	Date	: 2015-07-16 15:54:28
Specification	: LU1000W A 400V	Sam. Status	: OH
Sample No.	: 20150715D03-04 05	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: LUMENHORT	Test by	: wj

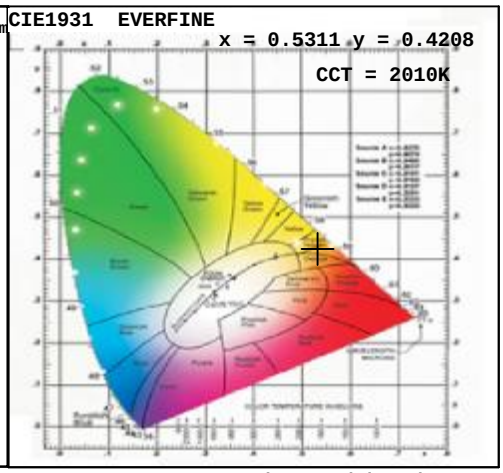
Test Condition

Temprature	: 25.0Deg	RH	: 65.0%
WL Range	: 350nm-1100nm	IP	: 52564 (80%)
Test Mode	: Accuracy Test	T	: 42 ms
		Delicacy	: Low

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: x = 0.5311 y = 0.4208 / u' = 0.3041 v' = 0.5420 (duv=2.35e-03)

CCT= 2010K Prcp WL: Ld=588.1nm Purity=85.7%

Peak WL: Lp=819nm FWHM: =6.5nm Ratio:R=32.1% G=66.7% B=1.2%

Render Index: Ra = 49.0

R1 =43	R2 =70	R3 =84	R4 =25	R5 =35	R6 =54	R7 =66	
R8 =15	R9 =0	R10=44	R11=0	R12=24	R13=41	R14=90	R15=45

Photometric & Radiometric Quantities

Flux = 128269 lm Eff. : 130.77 lm/W Fe = 548.67 W

Flux of emitted photons(umol/s):2139.8 Fluo. and blue light ratio:34.80 Fluorescent eff.:534.4

PAR WATT:3.652e+005mW(400-700nm)

Electrical parameters

V = 245.9 V I = 4.059 A P = 980.9 W PF = 0.9828