

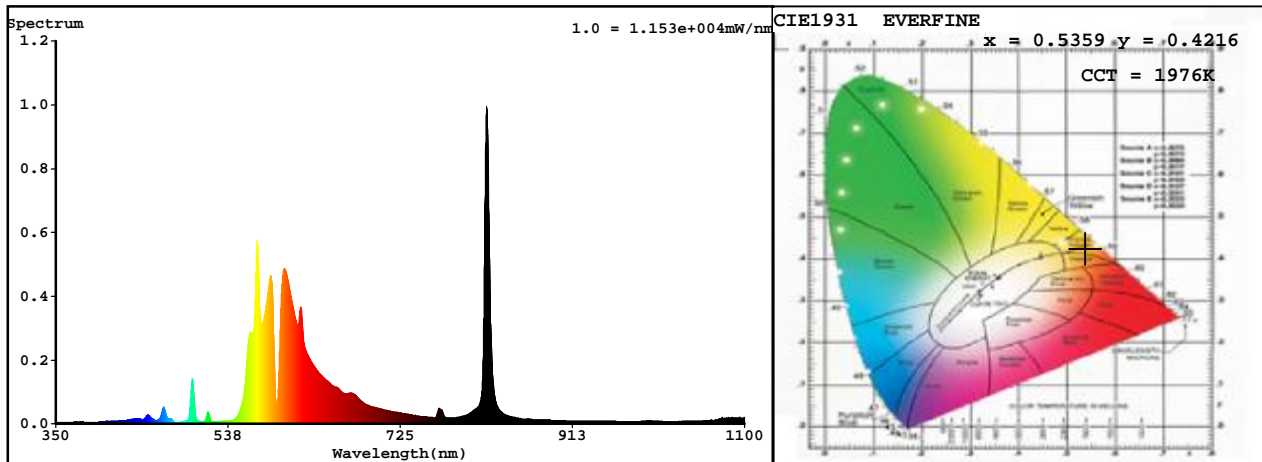
Spectrum Test Report

Sample : HPS GROW LIGHT Date : 2015-04-28 14:10:55
Specification : HPS1000 Philips greenpower plus Sam. Status : OH
Sample No. : 01 Instrument : HaasSuite(EVERFINE)
Manufacturer : PHILIPS Test by : wj

Test Condition

Temperature : 25.0Deg RH : 65.0%
WL Range : 350nm-1100nm IP : 45610 (70%)
Test Mode : Accuracy Test T : 27 ms
Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.5359$ $y = 0.4216$ / $u' = 0.3068$ $v' = 0.5431$ ($duv=2.81e-03$)

CCT= 1976K Prcp WL: Ld=588.3nm Purity=87.4%

Peak WL: Lp=819nm FWHM: =5.8nm Ratio:R=28.5% G=70.5% B=1.1%

Render Index: Ra = 35.1

R1 =24 R2 =65 R3 =70 R4 =3 R5 =18 R6 =49 R7 =51
R8 =0 R9 =0 R10=39 R11=0 R12=16 R13=26 R14=81 R15=21

Photometric & Radiometric Quantities

Flux = 149345 lm Eff. : 150.25 lm/W Fe = 552.67 W

Flux of emitted photons(umol/s):2151.7 Flu. and blue light ratio:32.67 Fluorescent eff.:533.5

PAR WATT:3.9494e+005mW(400-700nm)

Electrical parameters

V = 228.0 V I = 4.409 A P = 994.0 W PF = 0.9888

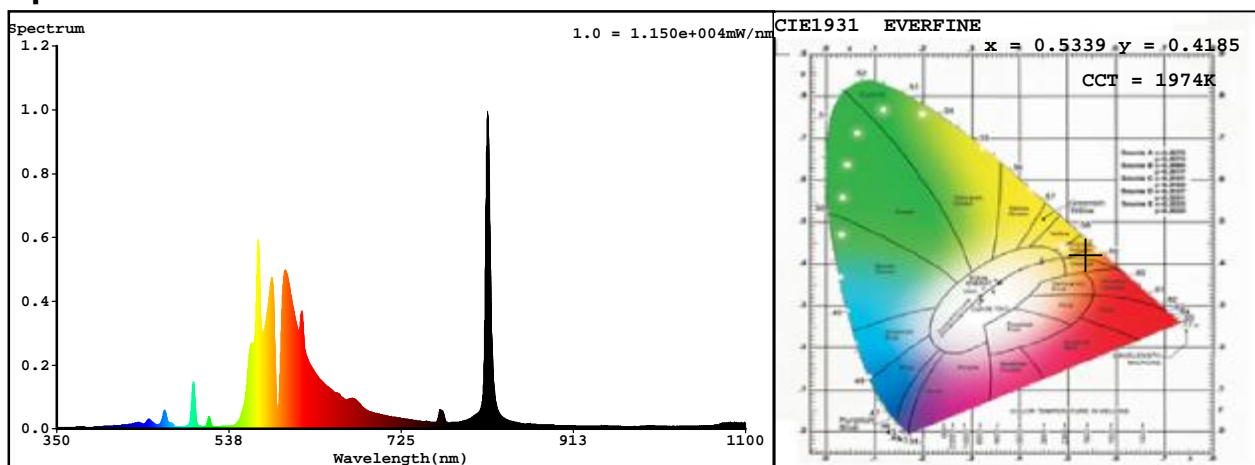
Spectrum Test Report

Sample : HPS GROW LIGHT	Date : 2015-04-28 15:24:57
Specification : HPS1000 AUVL GERMANY	Sam. Status : OH
Sample No. : 02	Instrument : HaasSuite(EVERFINE)
Manufacturer :	Test by : wj

Test Condition

Temperature : 25.0Deg	RH : 65.0%
WL Range : 350nm-1100nm	IP : 46844 (71%)
Test Mode : Accuracy Test	T : 27 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.5339$ $y = 0.4185$ / $u' = 0.3071$ $v' = 0.5416$ ($duv=1.84e-03$)

CCT= 1974K Prcp WL: Ld=588.6nm Purity=85.9%

Peak WL: Lp=819nm FWHM: =5.7nm Ratio:R=28.5% G=70.3% B=1.1%

Render Index: Ra = 35.0

R1 =24	R2 =66	R3 =69	R4 =3	R5 =18	R6 =50	R7 =50
R8 =0	R9 =0	R10=41	R11=0	R12=20	R13=26	R14=80 R15=20

Photometric & Radiometric Quantities

Flux = 148147 lm Eff. : 149.10 lm/W Fe = 551.82 W

Flux of emitted photons(umol/s):2141.7 Fluo. and blue light ratio:28.81 Fluorescent eff.:530.1

PAR WATT:3.9301e+005mW(400-700nm)

Electrical parameters

V = 226.0 V I = 4.452 A P = 993.6 W PF = 0.9875