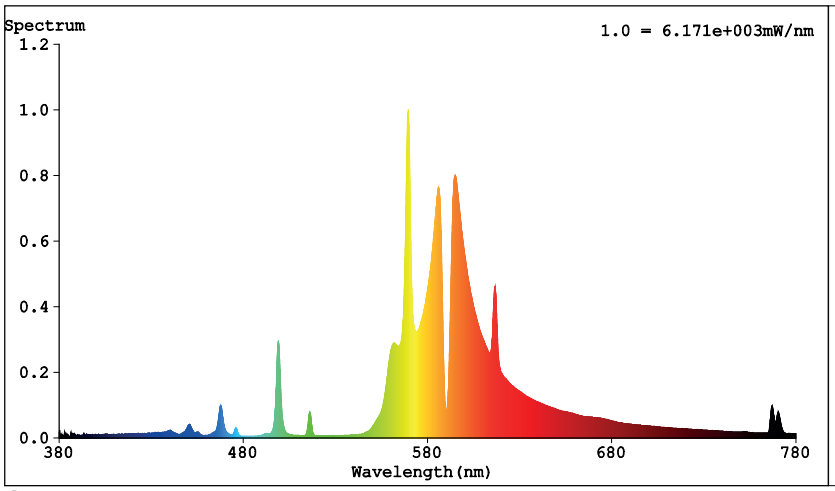
Spectrum Test Report

Sample	:	Date	: 2018-06-09 10:44:33
Specification	: HPS600W	Sam. Status	:
Sample No.	: 08	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: ZengMingLi
		Assessor	: damin

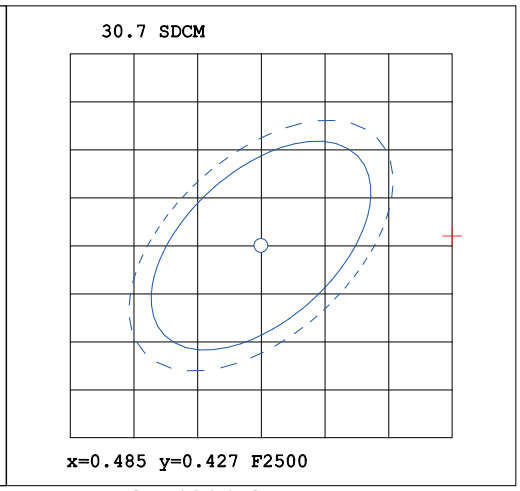
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52019 (79%)
Test Mode	: Fast Test	T	: 30 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.5311 y = 0.4280 / u' = 0.3003 v' = 0.5446 (duv=4.40e-03)

CCT= 2054K Prcp WL: Ld=587.2nm Purity=87.9%

Peak WL: Lp=570nm FWHM: =4.1nm Ratio:R=21.7% G=77.1% B=1.1%

Render Index: Ra = 18.6

R1 =7 R2 =60 R3 =59 R4 =-14 R5 =3 R6 =44 R7 =38

R8 =-48 R9 =-206 R10=33 R11=-45 R12=9 R13=13 R14=73 R15=-3

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 96015 lm Eff. : 153.42 lm/W Fe = 244.09 W

Flux of emitted photons(umol/s):1216.6 Fluo. and blue light ratio:24.13 Fluorescent eff.:340.9

Photosynthetic:PPF:1135umol/s PAR WATT:2.3014e+005mW(400-700nm)

Electrical parameters

V = 117.4 V I = 5.858 A P = 625.8 W PF = 0.9102