

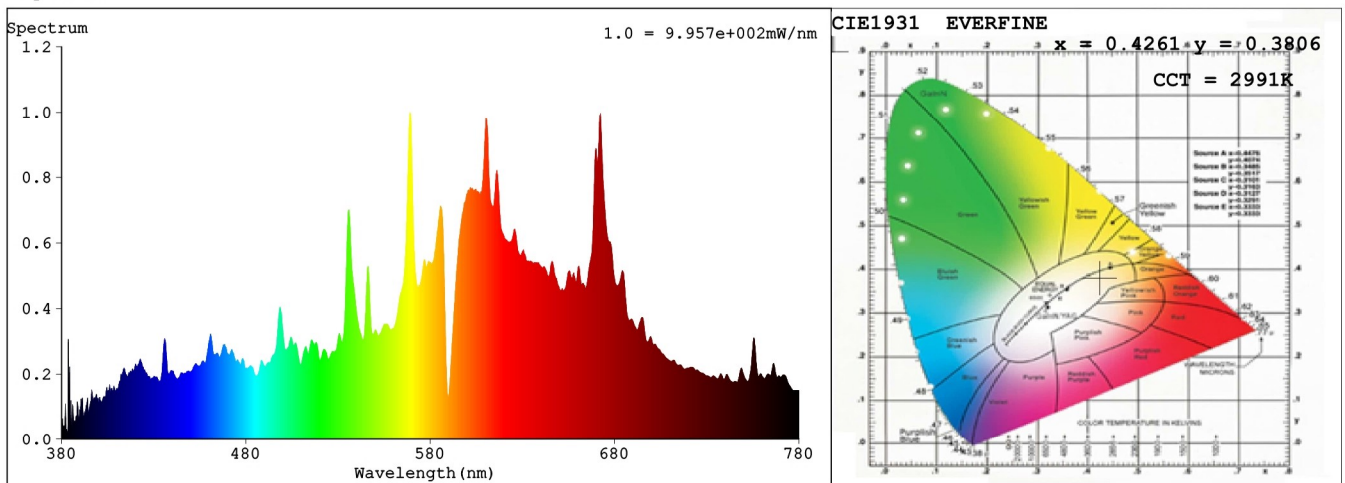
Spectrum Test Report

| | | | |
|---------------|------------------|-------------|-----------------------|
| Sample | : | Date | : 2015-10-08 17:08:51 |
| Specification | : CMH 315W 3000K | Sam. Status | : |
| Sample No. | : 002 | Instrument | : HaasSuite(EVERFINE) |
| Manufacturer | : | Test by | : ZENG |
| | | Assessor | : damin |

Test Condition

| | | | |
|-------------|---------------|-------------|---------------|
| Temperature | : 25.3Deg | RH | : 65.0% |
| WL Range | : 380nm-780nm | IP | : 49855 (76%) |
| Test Mode | : Fast Test | T | : 1034 ms |
| | | Sensitivity | : High |

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4261$ $y = 0.3806$ / $u' = 0.2538$ $v' = 0.5101$ ($duv = -8.16e-03$)

CCT= 2991K Prcp WL: $L_d = 586.4nm$ Purity=42.1%

Peak WL: $L_p = 569nm$ FWHM: =6.4nm Ratio:R=26.2% G=70.1% B=3.7%

Render Index: $R_a = 92.3$

R1 =95 R2 =98 R3 =95 R4 =92 R5 =96 R6 =96 R7 =89

R8 =79 R9 =56 R10=97 R11=92 R12=92 R13=96 R14=98 R15=93

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 33074 lm Eff. : 95.62 lm/W $F_e = 138.81 W$

Photosynthetic:PPF:583.06umol/s PAR WATT:1.2037e+005mW(400-700nm)

Electrical parameters

$V = 111.6 V$ $I = 3.737 A$ $P = 345.9 W$ PF = 0.8290