

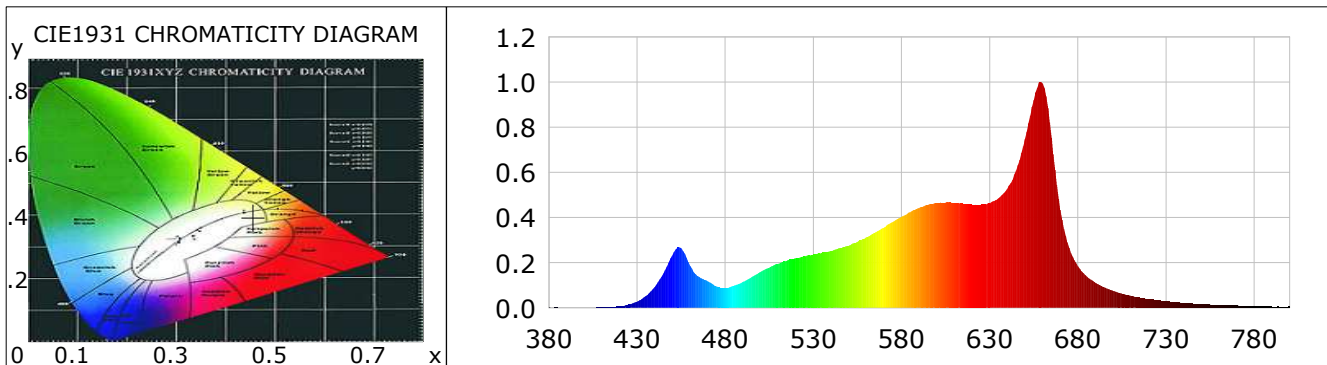
Lightsource Test Report

Product Infomation

 Product Category: JustGrow_288_18
 Product Spec: 150W
 Submitted Unit: Tc=40 (t=5)

 Product Type: 288w+18red
 Product Number: 224

CIE Colorimetric Parameters

 Chromaticity coordinates: $x=0.4556$ $y=0.3943$ $u(u')=0.2672$ $v=0.3469$ $v'=0.5203$
 CCT: Tc=2630K (duv=-0.00580) Color Ratio: R=0.268 G=0.707 B=0.026
 Peak Wavelength: 658.7nm Half Bandwidth: 31.7nm
 Dominant Wavelength: 586.7nm Color Purity: 0.551
 CRI: Ra= 96.0 TM30: Rf= 92, Rg= 104
 R1 =96 R2 =98 R3 =98 R4 =95 R5 =98 R6 =97 R7 =94 R8 =93
 R9 =89 R10=97 R11=95 R12=89 R13=97 R14=99 R15=96
 Color Quality Scale: Qa= 90.1, Qf= 88.4, Qp= 99.4, Qg=103.6
 Q1 =93 Q2 =97 Q3 =87 Q4 =88 Q5 =93 Q6 =90 Q7 =85 Q8 =88
 Q9 =96 Q10=92 Q11=90 Q12=88 Q13=89 Q14=93 Q15=94

Photometric Parameters

 Luminous Flux: 16161.97 lm
 EEI: 0.12

Efficiency: 109.42 lm/W

Radiant Power: 59.699 W

Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

 Voltage: 230.00V
 Power Factor: 0.9890

 Current: 0.6480A
 Frequency: 50.00Hz

Power: 147.70W

Test Infomation

 Scan Range: 380~800:1nm
 Stabilization Time: 0 ms
 Max of Signal: 47400 (1242)

 Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 2PI
 CCD Integration Time: 16.75 ms



IES TM-30-18 Color Rendition Report

Product Information

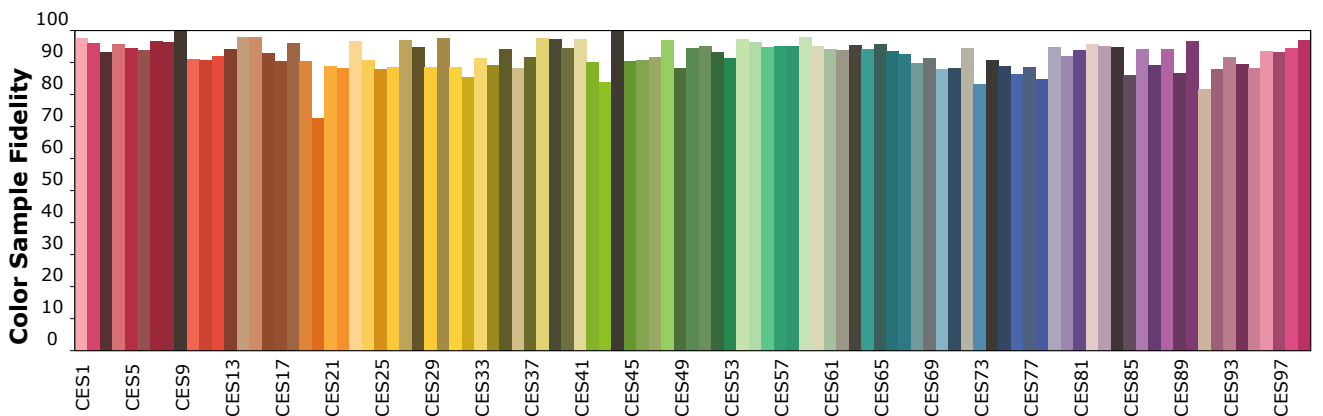
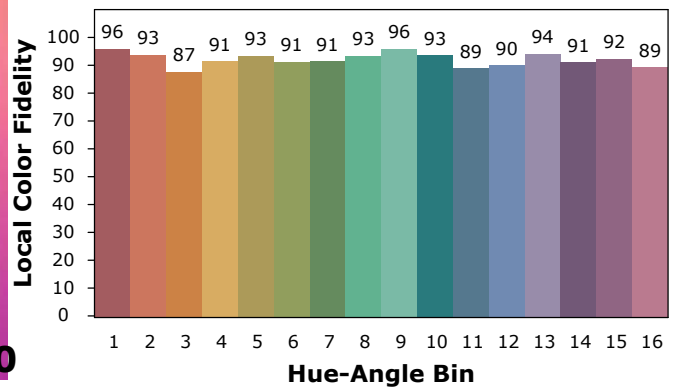
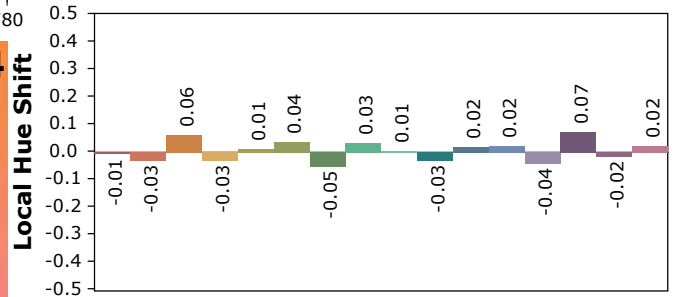
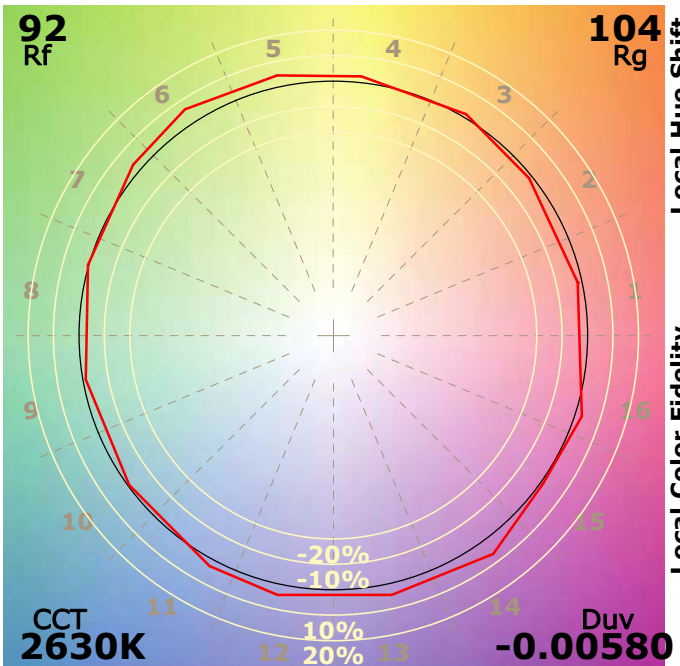
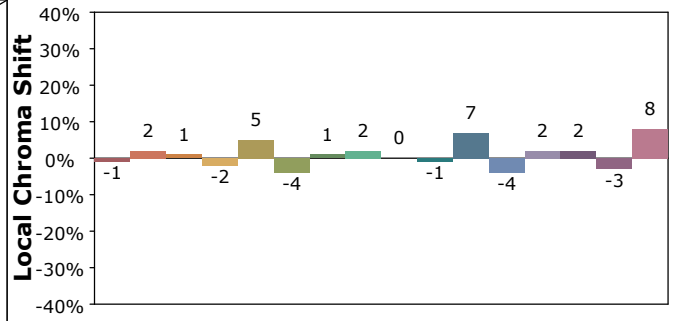
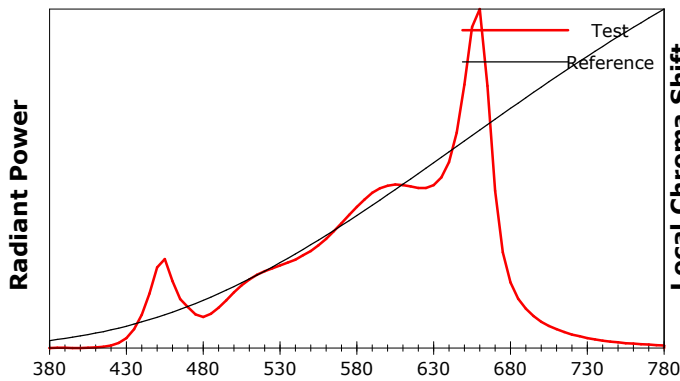
Product Category: JustGrow_288_18

Product Spec: 150W

Submitted Unit: Tc=40 (t=5)

Product Type: 288w+18red

Product Number: 224



Condition: Tx:23.7'C, Ti:23.2'C

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2020-02-14 16:05:32

Inspector: