

Lightsource Test Report (1/2)

Product Infomation

Product Number: 338

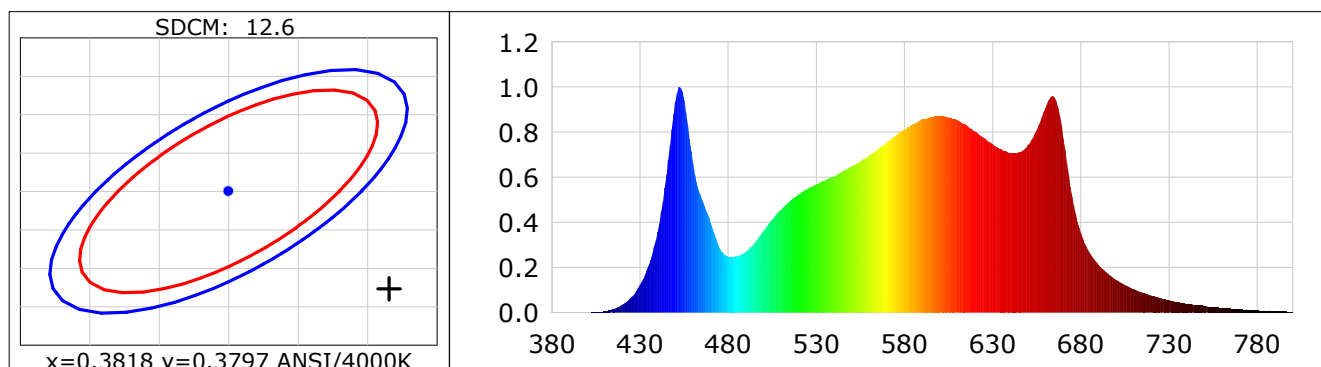
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3934$ $y=0.3670$ $u(u')=0.2378$ $v=0.3328$ $v'=0.4991$
 CCT: $T_c=3578K$ ($duv=-0.00808$) Color Ratio: $R=0.211$ $G=0.753$ $B=0.036$
 Peak Wavelength: 452.4nm Half Bandwidth: 22.0nm
 Dominant Wavelength: 585.3nm Color Purity: 0.282
 CRI: $R_a=90.5$ TM30: $R_f=87$, $R_g=101$

R1 =91	R2 =95	R3 =96	R4 =89	R5 =91	R6 =91	R7 =90	R8 =82
R9 =59	R10=88	R11=88	R12=74	R13=92	R14=98	R15=90	

Color Quality Scale: $Q_a=86.9$, $Q_f=85.3$, $Q_p=90.5$, $Q_g=100.8$

Q1 =92	Q2 =98	Q3 =79	Q4 =79	Q5 =86	Q6 =89	Q7 =87	Q8 =90
Q9 =97	Q10=89	Q11=86	Q12=85	Q13=87	Q14=87	Q15=88	



Photometric Parameters

Luminous Flux: 111428.09 lm	Efficiency: 163.36 lm/W	Radiant Power: 381.443 W
EI: 0.08	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 372.093 W	PPF: 1779.648 umol/s	R/B: 2.0
PF1:282.416 umol/s(400~500nm)	PF2:694.732 umol/s(500~600nm)	
PF3:802.492 umol/s(600~700nm)	PFfr:58.820 umol/s(700~800nm)	PPE:2.609 umol/s/w PF:1838.547 umol/s

Electric Parameters

Voltage: 276.10V	Current: 2.6660A	Power: 682.10W
Power Factor: 0.9270	Frequency: 60.00Hz	

Test Infomation

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Sec ALC.: 1.8890	Photometric Condition: Sphere diameter: 2.00m, 4T
Max of Signal: 50044 (2725)	CCD Integration Time: 15.94 ms

Lightsource Test Report (2/2)

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WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0007	1.6720	525	0.5487	1245.8005	670	0.7757	1761.2109
385	0.0002	0.4473	530	0.5692	1292.4283	675	0.5160	1171.6140
390	0.0006	1.4222	535	0.5854	1329.2123	680	0.3534	802.4848
395	0.0007	1.6410	540	0.6040	1371.3273	685	0.2643	600.1483
400	0.0012	2.6696	545	0.6273	1424.3241	690	0.2123	481.9727
405	0.0034	7.7310	550	0.6485	1472.4552	695	0.1748	396.9036
410	0.0080	18.1567	555	0.6705	1522.4100	700	0.1450	329.1151
415	0.0171	38.7401	560	0.6974	1583.3145	705	0.1226	278.3082
420	0.0356	80.7502	565	0.7231	1641.6741	710	0.1040	236.2071
425	0.0682	154.8308	570	0.7538	1711.4197	715	0.0889	201.9011
430	0.1245	282.7415	575	0.7852	1782.7623	720	0.0760	172.5474
435	0.2123	482.0928	580	0.8095	1837.9530	725	0.0658	149.4688
440	0.3590	814.9936	585	0.8367	1899.7023	730	0.0562	127.7002
445	0.6095	1383.9398	590	0.8570	1945.7797	735	0.0469	106.4918
450	0.9334	2119.2675	595	0.8681	1970.8837	740	0.0401	91.0088
455	0.9431	2141.2009	600	0.8743	1984.9880	745	0.0349	79.2895
460	0.6644	1508.4670	605	0.8648	1963.5768	750	0.0296	67.2916
465	0.5023	1140.5624	610	0.8539	1938.6953	755	0.0255	57.8420
470	0.3996	907.2296	615	0.8314	1887.6835	760	0.0214	48.6707
475	0.2903	659.1383	620	0.8034	1824.1294	765	0.0185	42.0491
480	0.2494	566.2144	625	0.7746	1758.6897	770	0.0154	34.8829
485	0.2488	564.8735	630	0.7470	1695.9292	775	0.0134	30.3335
490	0.2703	613.6971	635	0.7245	1644.9441	780	0.0115	26.1120
495	0.3094	702.4162	640	0.7098	1611.5904	785	0.0098	22.1997
500	0.3612	820.1438	645	0.7108	1613.7628	790	0.0075	16.9366
505	0.4124	936.3348	650	0.7433	1687.5531	795	0.0063	14.2901
510	0.4565	1036.5123	655	0.8106	1840.4928	800	0.0059	13.4915
515	0.4944	1122.5719	660	0.9096	2065.1061			
520	0.5234	1188.4633	665	0.9533	2164.4572			

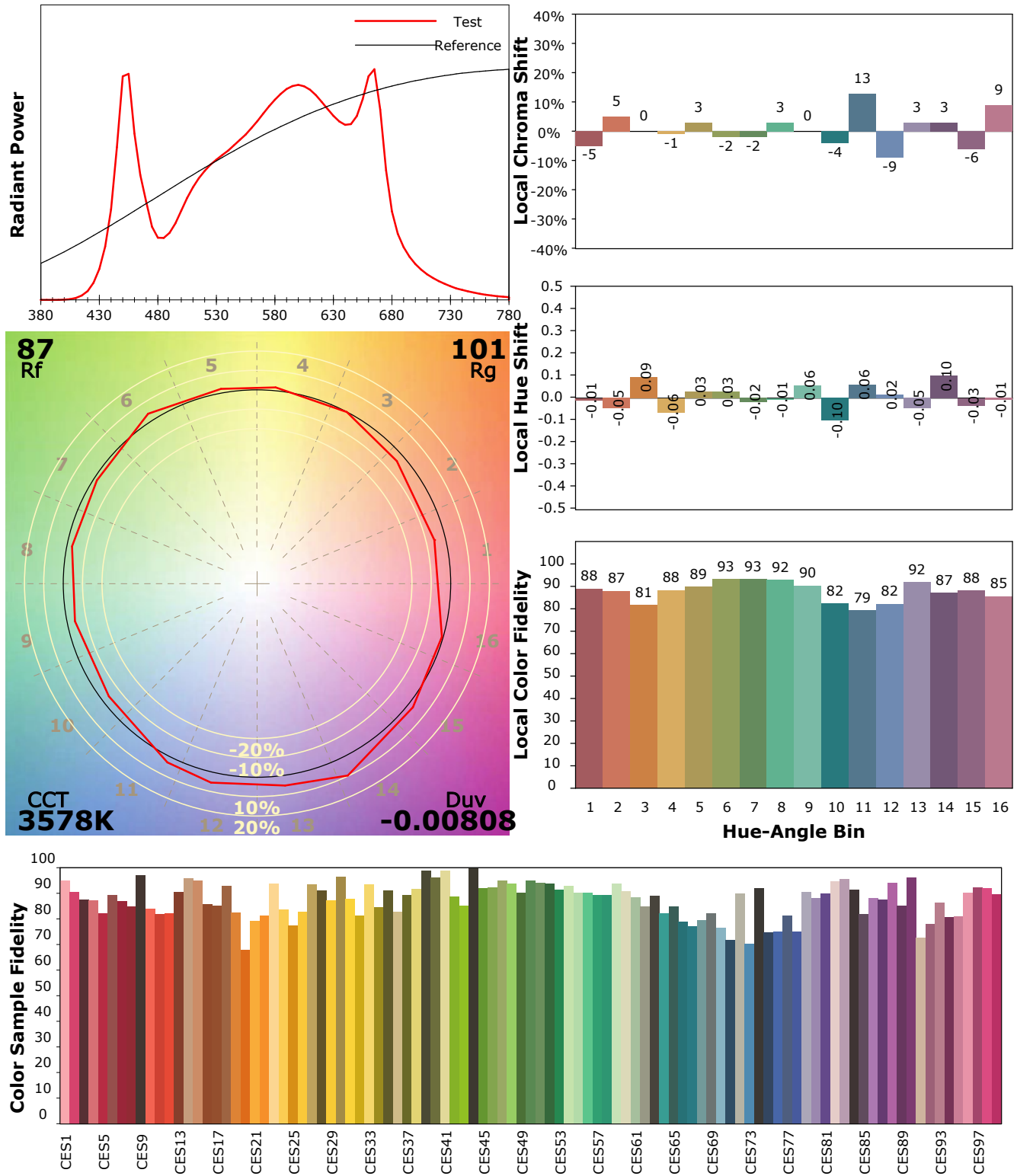
Condition: Tx:24.9'C, Ti:28.5'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-3000S
 Test Time: 2020-12-30 02:45:37
 Inspector:

IES TM-30-18 Color Rendition Report

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 Test Lab:
 Operator:

Test Device: Inventfine CMS-3000S
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