

## Lightsource Test Report (1/2)

### Product Information

Product Type: 54-10-D-WA-AMBER

Product Number: 54-10-D-WA-AMBER

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5281$   $y=0.4284$   $u(u')=0.2982$   $v=0.3628$   $v'=0.5442$

CCT:  $T_c=2081K$  ( $duv=0.00440$ )

Color Ratio:  $R=0.279$   $G=0.717$   $B=0.004$

Peak Wavelength: 600.5nm

Half Bandwidth: 94.2nm

Dominant Wavelength: 587.0nm

Color Purity: 0.871

CRI:  $R_a=55.7$

TM30:  $R_f=59$ ,  $R_g=84$

$R1=48$

$R2=73$

$R3=94$

$R4=41$

$R5=44$

$R6=61$

$R7=66$

$R8=17$

$R9=-70$

$R10=44$

$R11=24$

$R12=22$

$R13=51$

$R14=97$

$R15=42$

Color Quality Scale:  $Q_a=55.2$ ,  $Q_f=63.7$ ,  $Q_p=55.1$ ,  $Q_g=64.8$

$Q1=51$

$Q2=83$

$Q3=66$

$Q4=52$

$Q5=51$

$Q6=47$

$Q7=49$

$Q8=65$

$Q9=85$

$Q10=72$

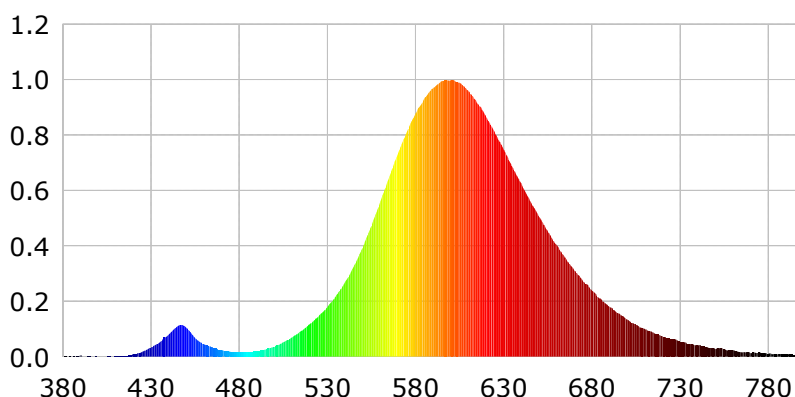
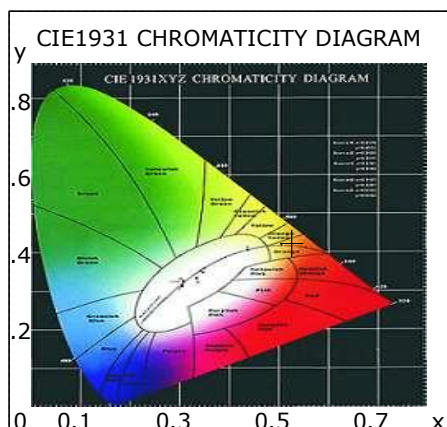
$Q11=55$

$Q12=55$

$Q13=54$

$Q14=37$

$Q15=44$



### Photometric Parameters

Luminous Flux: 1720.70 lm  
EEI: 0.31

Efficiency: 44.47 lm/W

Radiant Power: 4.926 W

Energy Efficiency Class: B (EU 874-2012)

### Electric Parameters

Voltage: 12.81V

Current: 3.0200A

Power: 38.69W

Power Factor: 1.0000

Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm

Stabilization Time: 20 Sec

Max of Signal: 44698 (3167)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4π

CCD Integration Time: 253.09 ms

## Lightsource Test Report (2/2)

WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0006	0.0274	525	0.1474	6.6758	670	0.3130	14.1777
385	0.0009	0.0410	530	0.1813	8.2132	675	0.2724	12.3386
390	0.0058	0.2632	535	0.2211	10.0163	680	0.2389	10.8237
395	0.0018	0.0799	540	0.2708	12.2688	685	0.2096	9.4967
400	0.0005	0.0205	545	0.3283	14.8746	690	0.1794	8.1275
405	0.0013	0.0603	550	0.3948	17.8833	695	0.1565	7.0917
410	0.0022	0.0994	555	0.4757	21.5507	700	0.1349	6.1131
415	0.0036	0.1639	560	0.5612	25.4253	705	0.1165	5.2795
420	0.0095	0.4312	565	0.6495	29.4222	710	0.1004	4.5487
425	0.0179	0.8123	570	0.7349	33.2920	715	0.0864	3.9124
430	0.0337	1.5289	575	0.8131	36.8333	720	0.0739	3.3465
435	0.0536	2.4284	580	0.8776	39.7588	725	0.0643	2.9145
440	0.0811	3.6751	585	0.9347	42.3421	730	0.0552	2.4989
445	0.1115	5.0506	590	0.9715	44.0108	735	0.0483	2.1863
450	0.1049	4.7515	595	0.9956	45.1041	740	0.0396	1.7926
455	0.0676	3.0624	600	1.0000	45.3002	745	0.0360	1.6308
460	0.0454	2.0578	605	0.9885	44.7817	750	0.0276	1.2503
465	0.0338	1.5309	610	0.9584	43.4176	755	0.0267	1.2102
470	0.0247	1.1175	615	0.9151	41.4566	760	0.0248	1.1212
475	0.0185	0.8368	620	0.8663	39.2447	765	0.0152	0.6865
480	0.0162	0.7349	625	0.8079	36.5972	770	0.0124	0.5632
485	0.0162	0.7352	630	0.7475	33.8641	775	0.0168	0.7599
490	0.0203	0.9218	635	0.6841	30.9888	780	0.0111	0.5047
495	0.0268	1.2155	640	0.6248	28.3058	785	0.0084	0.3806
500	0.0373	1.6900	645	0.5612	25.4229	790	0.0095	0.4322
505	0.0527	2.3867	650	0.5059	22.9202	795	0.0077	0.3478
510	0.0704	3.1889	655	0.4517	20.4616	800	0.0079	0.3577
515	0.0928	4.2053	660	0.4035	18.2812			
520	0.1183	5.3576	665	0.3554	16.1020			

Condition: Tx:28.0°C, Ti:26.9°C, R.H.:60%  
Test Lab:  
Operator:

Test Device: Inventfine CMS-2S (Plus)  
Test Time: 2022-03-12 10:33:32  
Inspector: