

## Lightsource Test Report (1/2)

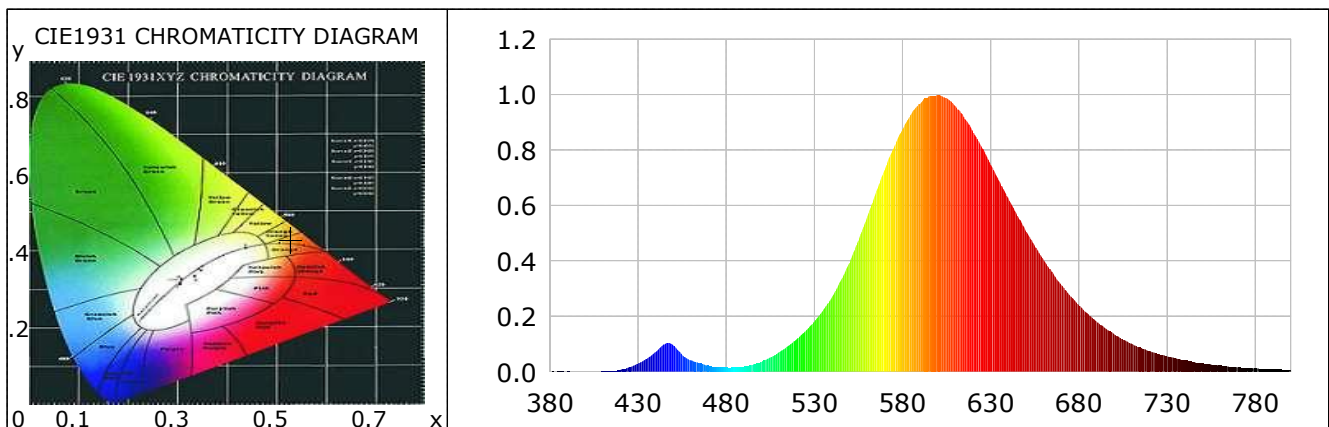
### Product Infomation

Product Type: 54-20-D-WA-AMBER

Product Number: 54-20-D-WA-AMBER

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5298$   $y=0.4304$   $u(u')=0.2983$   $v=0.3634$   $v'=0.5452$   
 CCT:  $T_c=2079K$  ( $duv=0.00502$ ) Color Ratio:  $R=0.279$   $G=0.718$   $B=0.004$   
 Peak Wavelength: 600.3nm Half Bandwidth: 94.3nm  
 Dominant Wavelength: 586.8nm Color Purity: 0.882  
 CRI:  $R_a=55.8$  TM30:  $R_f=60$ ,  $R_g=83$   
 $R1=48$   $R2=73$   $R3=95$   $R4=41$   $R5=44$   $R6=61$   $R7=66$   $R8=18$   
 $R9=-70$   $R10=43$   $R11=24$   $R12=21$   $R13=51$   $R14=97$   $R15=42$   
 Color Quality Scale:  $Q_a=54.2$ ,  $Q_f=62.7$ ,  $Q_p=53.1$ ,  $Q_g=62.6$   
 $Q1=52$   $Q2=83$   $Q3=66$   $Q4=53$   $Q5=51$   $Q6=47$   $Q7=50$   $Q8=68$   
 $Q9=82$   $Q10=66$   $Q11=50$   $Q12=51$   $Q13=52$   $Q14=36$   $Q15=44$



### Photometric Parameters

Luminous Flux: 4213.99 lm  
 EEI: 0.33

Efficiency: 40.68 lm/W  
 Energy Efficiency Class: B (EU 874-2012)

Radiant Power: 12.041 W

### Electric Parameters

Voltage: 12.79V  
 Power Factor: 1.0000

Current: 8.1000A  
 Frequency: 0.00Hz

Power: 103.60W

### Test Infomation

Scan Range: 380~800:1nm  
 Stabilization Time: 20 Sec  
 Max of Signal: 44890 (3036)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4π  
 CCD Integration Time: 103.93 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	0.0004	0.0459	525	0.1484	16.4593	670	0.3142	34.8408
385	0.0012	0.1368	530	0.1828	20.2748	675	0.2750	30.4980
390	0.0032	0.3553	535	0.2225	24.6758	680	0.2393	26.5386
395	0.0008	0.0939	540	0.2712	30.0727	685	0.2098	23.2616
400	0.0005	0.0571	545	0.3309	36.6886	690	0.1810	20.0761
405	0.0009	0.0949	550	0.3954	43.8486	695	0.1575	17.4607
410	0.0016	0.1757	555	0.4775	52.9540	700	0.1346	14.9274
415	0.0031	0.3401	560	0.5618	62.2980	705	0.1167	12.9434
420	0.0078	0.8594	565	0.6511	72.1943	710	0.1007	11.1704
425	0.0165	1.8250	570	0.7329	81.2710	715	0.0868	9.6228
430	0.0299	3.3163	575	0.8115	89.9862	720	0.0757	8.3994
435	0.0484	5.3658	580	0.8762	97.1592	725	0.0654	7.2541
440	0.0724	8.0251	585	0.9324	103.3893	730	0.0562	6.2369
445	0.1002	11.1134	590	0.9691	107.4581	735	0.0488	5.4069
450	0.0954	10.5738	595	0.9947	110.2974	740	0.0422	4.6767
455	0.0609	6.7538	600	1.0000	110.8886	745	0.0362	4.0149
460	0.0411	4.5526	605	0.9873	109.4846	750	0.0300	3.3225
465	0.0309	3.4305	610	0.9579	106.2183	755	0.0265	2.9340
470	0.0225	2.4980	615	0.9148	101.4368	760	0.0240	2.6645
475	0.0171	1.8921	620	0.8638	95.7862	765	0.0183	2.0271
480	0.0155	1.7221	625	0.8098	89.7975	770	0.0155	1.7148
485	0.0160	1.7695	630	0.7464	82.7702	775	0.0160	1.7758
490	0.0192	2.1304	635	0.6862	76.0882	780	0.0132	1.4679
495	0.0260	2.8840	640	0.6251	69.3215	785	0.0102	1.1359
500	0.0370	4.1035	645	0.5647	62.6184	790	0.0103	1.1391
505	0.0513	5.6937	650	0.5059	56.0934	795	0.0084	0.9337
510	0.0707	7.8350	655	0.4523	50.1597	800	0.0069	0.7650
515	0.0934	10.3516	660	0.4034	44.7321			
520	0.1188	13.1702	665	0.3573	39.6248			

Condition: Tx:28.3'C, Ti:27.3'C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2022-03-12 10:56:23  
 Inspector: