

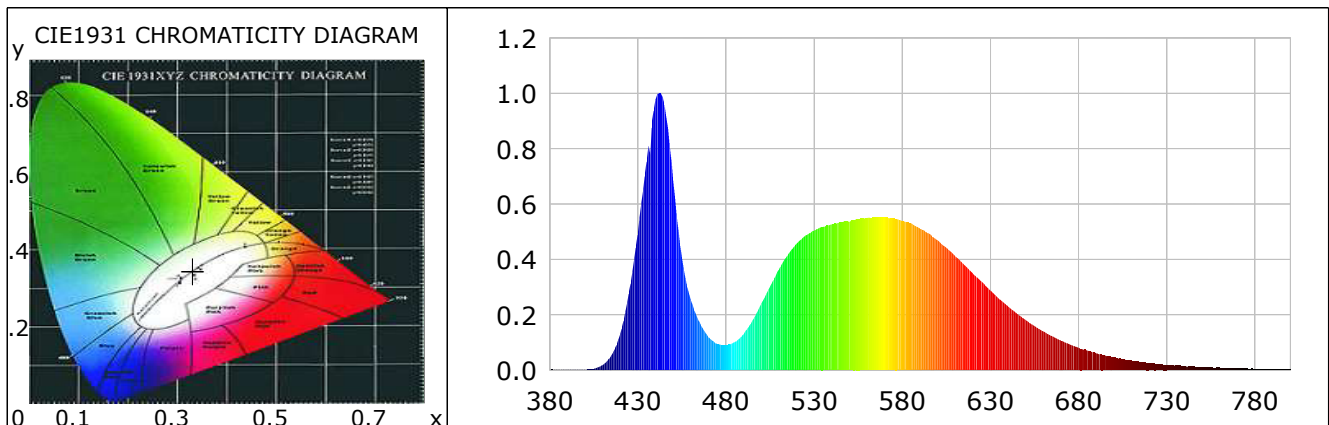
## Lightsource Test Report (1/2)

### Product Infomation

Product Type: 49款 C 50inch OSRAM P8      Product Number: 58

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3309$   $y=0.3449$      $u(u')=0.2044$   $v=0.3195$   $v'=0.4793$   
 CCT:  $T_c=5568K$  ( $duv=0.00265$ )      Color Ratio:  $R=0.132$   $G=0.838$   $B=0.031$   
 Peak Wavelength: 442.3nm      Half Bandwidth: 22.9nm  
 Dominant Wavelength: 542.9nm      Color Purity: 0.029  
 CRI:  $R_a=70.5$       TM30:  $R_f=67$ ,  $R_g=97$   
 $R_1=69$      $R_2=73$      $R_3=77$      $R_4=73$      $R_5=71$      $R_6=66$      $R_7=77$      $R_8=58$   
 $R_9=-33$      $R_{10}=38$      $R_{11}=73$      $R_{12}=48$      $R_{13}=69$      $R_{14}=87$      $R_{15}=63$   
 Color Quality Scale:  $Q_a=71.4$ ,  $Q_f=70.0$ ,  $Q_p=75.5$ ,  $Q_g=91.5$   
 $Q_1=77$      $Q_2=91$      $Q_3=65$      $Q_4=64$      $Q_5=72$      $Q_6=73$      $Q_7=76$      $Q_8=87$   
 $Q_9=89$      $Q_{10}=71$      $Q_{11}=67$      $Q_{12}=68$      $Q_{13}=71$      $Q_{14}=57$      $Q_{15}=66$



### Photometric Parameters

Luminous Flux: 19542.35 lm      Efficiency: 77.19 lm/W      Radiant Power: 59.462 W  
 EEI: 0.18      Energy Efficiency Class: A (EU 874-2012)

### Electric Parameters

Voltage: 12.80V      Current: 19.7800A      Power: 253.18W  
 Power Factor: 1.0000      Frequency: 0.00Hz

### Test Infomation

Scan Range: 380~800:1nm      Photometric Method: sphere-spectroradiometer  
 Stabilization Time: 20 Sec      Photometric Condition: Sphere diameter: 1.50m, 4T  
 Max of Signal: 48026 (3591)      CCD Integration Time: 21.19 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	0.0021	1.2224	525	0.4858	283.8147	670	0.1075	62.8054
385	0.0023	1.3236	530	0.5048	294.8595	675	0.0929	54.2722
390	0.0028	1.6591	535	0.5176	302.3679	680	0.0812	47.4116
395	0.0016	0.9620	540	0.5280	308.4511	685	0.0706	41.2423
400	0.0016	0.9436	545	0.5337	311.7483	690	0.0615	35.9357
405	0.0056	3.2655	550	0.5356	312.8614	695	0.0533	31.1633
410	0.0192	11.2332	555	0.5462	319.0512	700	0.0460	26.8979
415	0.0542	31.6554	560	0.5495	320.9819	705	0.0398	23.2253
420	0.1317	76.9156	565	0.5522	322.5631	710	0.0345	20.1278
425	0.2841	165.9866	570	0.5511	321.9314	715	0.0296	17.2742
430	0.4967	290.1286	575	0.5481	320.1705	720	0.0255	14.8891
435	0.7626	445.4807	580	0.5387	314.6986	725	0.0218	12.7314
440	0.9788	571.7669	585	0.5307	310.0021	730	0.0188	10.9742
445	0.9595	560.5259	590	0.5116	298.8674	735	0.0159	9.2953
450	0.6860	400.7313	595	0.4942	288.6832	740	0.0143	8.3383
455	0.4030	235.4296	600	0.4690	273.9934	745	0.0122	7.1350
460	0.2539	148.2997	605	0.4417	258.0384	750	0.0097	5.6839
465	0.1727	100.9053	610	0.4122	240.8169	755	0.0086	5.0386
470	0.1197	69.9502	615	0.3809	222.5164	760	0.0081	4.7597
475	0.0959	56.0070	620	0.3489	203.8391	765	0.0066	3.8353
480	0.0903	52.7223	625	0.3194	186.5740	770	0.0053	3.1203
485	0.1022	59.7064	630	0.2875	167.9755	775	0.0052	3.0603
490	0.1323	77.2652	635	0.2575	150.4390	780	0.0038	2.2003
495	0.1803	105.3520	640	0.2308	134.8282	785	0.0042	2.4618
500	0.2406	140.5558	645	0.2045	119.4675	790	0.0038	2.2302
505	0.3027	176.8023	650	0.1807	105.5756	795	0.0031	1.8371
510	0.3644	212.8947	655	0.1592	92.9749	800	0.0039	2.3015
515	0.4162	243.1392	660	0.1400	81.7902			
520	0.4574	267.2227	665	0.1229	71.7765			

Condition: Tx:35.0°C, Ti:34.1°C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2021-06-11 10:10:24  
 Inspector: