

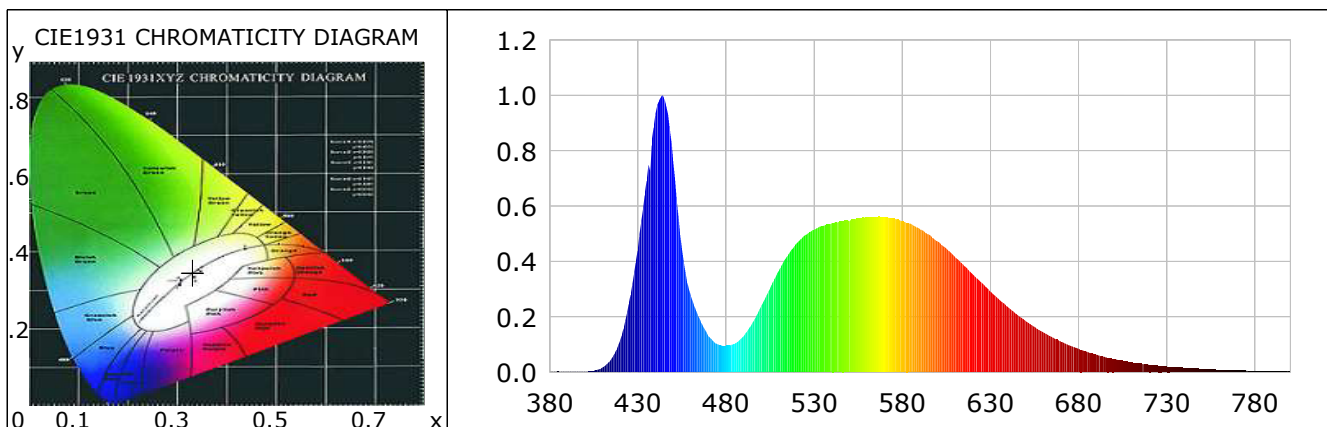
Lightsource Test Report (1/2)

Product Infomation

Product Type: 49款 40inch 400W OSRAM P8 Product Number: 65

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3309$ $y=0.3464$ $u(u')=0.2038$ $v=0.3200$ $v'=0.4800$
 CCT: $T_c=5568K$ ($duv=0.00339$) Color Ratio: $R=0.131$ $G=0.838$ $B=0.031$
 Peak Wavelength: 443.8nm Half Bandwidth: 22.9nm
 Dominant Wavelength: 544.3nm Color Purity: 0.033
 CRI: $R_a=70.6$ TM30: $R_f=67$, $R_g=96$
 $R_1=69$ $R_2=73$ $R_3=77$ $R_4=73$ $R_5=71$ $R_6=66$ $R_7=78$ $R_8=58$
 $R_9=-33$ $R_{10}=38$ $R_{11}=73$ $R_{12}=47$ $R_{13}=69$ $R_{14}=87$ $R_{15}=63$
 Color Quality Scale: $Q_a=71.5$, $Q_f=70.3$, $Q_p=75.3$, $Q_g=91.1$
 $Q_1=77$ $Q_2=91$ $Q_3=65$ $Q_4=63$ $Q_5=72$ $Q_6=73$ $Q_7=76$ $Q_8=86$
 $Q_9=90$ $Q_{10}=72$ $Q_{11}=68$ $Q_{12}=69$ $Q_{13}=71$ $Q_{14}=57$ $Q_{15}=66$



Photometric Parameters

Luminous Flux: 20269.06 lm Efficiency: 85.16 lm/W Radiant Power: 61.423 W
 EEI: 0.16 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.81V Current: 18.5800A Power: 238.01W
 Power Factor: 0.0000 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: 44826 (3307) CCD Integration Time: 18.96 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	1.2396	525	0.4950	295.4002	670	0.1103	65.8498
385	0.0026	1.5532	530	0.5148	307.2022	675	0.0968	57.7929
390	0.0024	1.4399	535	0.5275	314.8136	680	0.0847	50.5526
395	0.0015	0.9229	540	0.5389	321.6012	685	0.0733	43.7280
400	0.0015	0.9125	545	0.5449	325.1968	690	0.0636	37.9534
405	0.0054	3.2413	550	0.5452	325.3566	695	0.0553	32.9935
410	0.0178	10.6507	555	0.5559	331.7467	700	0.0477	28.4851
415	0.0479	28.6119	560	0.5584	333.2373	705	0.0413	24.6364
420	0.1165	69.5374	565	0.5606	334.5245	710	0.0357	21.3305
425	0.2521	150.4336	570	0.5584	333.2240	715	0.0306	18.2845
430	0.4468	266.6505	575	0.5544	330.8221	720	0.0265	15.8404
435	0.6989	417.0824	580	0.5455	325.5520	725	0.0233	13.9000
440	0.9344	557.5818	585	0.5356	319.6425	730	0.0205	12.2057
445	0.9882	589.7121	590	0.5163	308.1119	735	0.0172	10.2580
450	0.7635	455.6390	595	0.4975	296.8931	740	0.0149	8.9149
455	0.4412	263.2971	600	0.4718	281.5637	745	0.0128	7.6237
460	0.2764	164.9347	605	0.4464	266.3675	750	0.0112	6.6995
465	0.1929	115.1417	610	0.4159	248.1879	755	0.0089	5.3141
470	0.1312	78.3093	615	0.3849	229.7053	760	0.0091	5.4562
475	0.1022	61.0007	620	0.3529	210.5697	765	0.0069	4.0900
480	0.0950	56.6915	625	0.3233	192.9137	770	0.0056	3.3547
485	0.1039	61.9914	630	0.2906	173.4162	775	0.0062	3.7085
490	0.1316	78.5091	635	0.2625	156.6309	780	0.0041	2.4514
495	0.1787	106.6210	640	0.2353	140.4105	785	0.0042	2.4779
500	0.2395	142.9271	645	0.2086	124.4831	790	0.0042	2.5005
505	0.3037	181.2629	650	0.1846	110.1535	795	0.0036	2.1589
510	0.3680	219.6008	655	0.1633	97.4501	800	0.0042	2.5266
515	0.4221	251.8854	660	0.1434	85.5625			
520	0.4658	277.9825	665	0.1265	75.5123			

Condition: Tx:32.5'C, Ti:31.9'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-04-02 15:00:22
 Inspector: