

Lightsource Test Report (1/2)

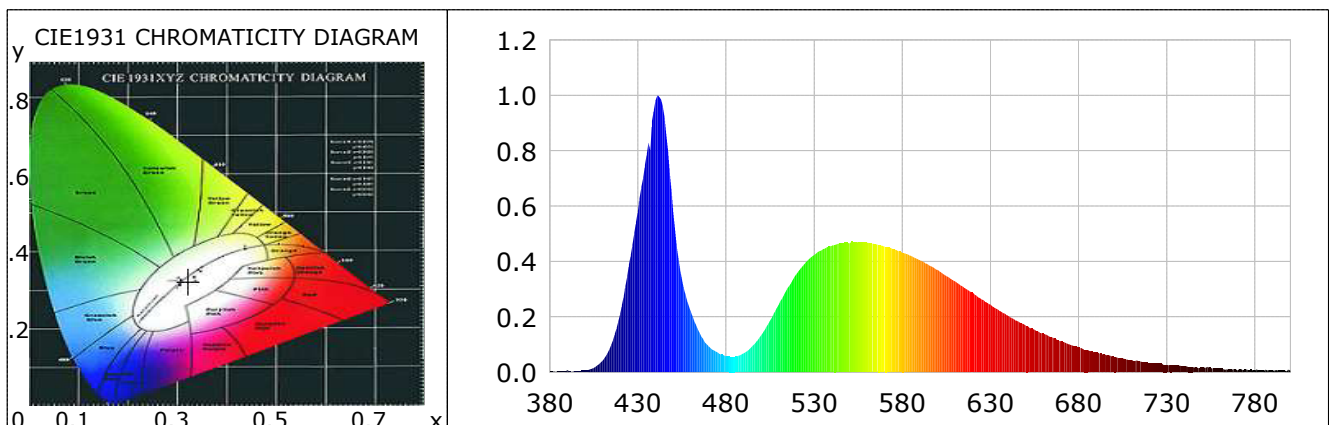
Product Infomation

Product Type: 3045-20W-SP

Product Number: 7

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3219$ $y=0.3233$ $u(u')=0.2065$ $v=0.3111$ $v'=0.4666$
 CCT: $T_c=6040K$ ($duv=-0.00442$) Color Ratio: $R=0.132$ $G=0.840$ $B=0.028$
 Peak Wavelength: 441.3nm Half Bandwidth: 23.3nm
 Dominant Wavelength: 479.1nm Color Purity: 0.048
 CRI: $R_a=68.6$ TM30: $R_f=60$, $R_g=98$
 $R_1=71$ $R_2=70$ $R_3=66$ $R_4=71$ $R_5=72$ $R_6=61$ $R_7=73$ $R_8=64$
 $R_9=-14$ $R_{10}=27$ $R_{11}=73$ $R_{12}=42$ $R_{13}=69$ $R_{14}=80$ $R_{15}=68$
 Color Quality Scale: $Q_a=67.7$, $Q_f=64.4$, $Q_p=76.1$, $Q_g=94.2$
 $Q_1=81$ $Q_2=86$ $Q_3=56$ $Q_4=54$ $Q_5=68$ $Q_6=71$ $Q_7=75$ $Q_8=89$
 $Q_9=82$ $Q_{10}=63$ $Q_{11}=58$ $Q_{12}=61$ $Q_{13}=68$ $Q_{14}=62$ $Q_{15}=70$



Photometric Parameters

Luminous Flux: 2083.63 lm
 EEI: 0.11

Efficiency: 118.82 lm/W
 Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 6.799 W

Electric Parameters

Voltage: 12.80V
 Power Factor: 0.0000

Current: 1.3700A
 Frequency: 0.00Hz

Power: 17.54W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 44897 (3356)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4T
 CCD Integration Time: 218.06 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	0.0025	0.1940	525	0.3945	30.0609	670	0.1114	8.4907
385	0.0026	0.2018	530	0.4234	32.2655	675	0.0998	7.6028
390	0.0081	0.6168	535	0.4443	33.8610	680	0.0881	6.7169
395	0.0035	0.2660	540	0.4574	34.8555	685	0.0802	6.1096
400	0.0061	0.4611	545	0.4654	35.4663	690	0.0707	5.3893
405	0.0158	1.2014	550	0.4654	35.4668	695	0.0639	4.8691
410	0.0426	3.2477	555	0.4691	35.7468	700	0.0557	4.2432
415	0.1002	7.6344	560	0.4690	35.7415	705	0.0504	3.8384
420	0.2116	16.1266	565	0.4627	35.2652	710	0.0445	3.3939
425	0.3888	29.6262	570	0.4543	34.6176	715	0.0394	3.0031
430	0.5818	44.3406	575	0.4449	33.9047	720	0.0333	2.5382
435	0.7898	60.1896	580	0.4319	32.9167	725	0.0312	2.3766
440	0.9815	74.7993	585	0.4198	31.9946	730	0.0267	2.0374
445	0.9204	70.1445	590	0.4046	30.8338	735	0.0236	1.8011
450	0.5795	44.1631	595	0.3870	29.4953	740	0.0211	1.6112
455	0.3326	25.3470	600	0.3698	28.1825	745	0.0196	1.4907
460	0.2190	16.6903	605	0.3476	26.4890	750	0.0164	1.2472
465	0.1416	10.7903	610	0.3276	24.9664	755	0.0152	1.1575
470	0.0938	7.1471	615	0.3059	23.3103	760	0.0137	1.0472
475	0.0721	5.4939	620	0.2875	21.9114	765	0.0082	0.6244
480	0.0574	4.3780	625	0.2630	20.0455	770	0.0062	0.4742
485	0.0559	4.2608	630	0.2440	18.5917	775	0.0115	0.8749
490	0.0684	5.2155	635	0.2225	16.9599	780	0.0064	0.4847
495	0.0951	7.2512	640	0.2038	15.5289	785	0.0051	0.3877
500	0.1351	10.2939	645	0.1858	14.1607	790	0.0074	0.5659
505	0.1864	14.2030	650	0.1679	12.7940	795	0.0066	0.5003
510	0.2464	18.7753	655	0.1532	11.6730	800	0.0050	0.3816
515	0.3048	23.2320	660	0.1399	10.6586			
520	0.3550	27.0511	665	0.1261	9.6112			

Condition: Tx:30.2°C, Ti:29.4°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2023-09-08 15:55:57
 Inspector: