

Lightsource Test Report (1/2)

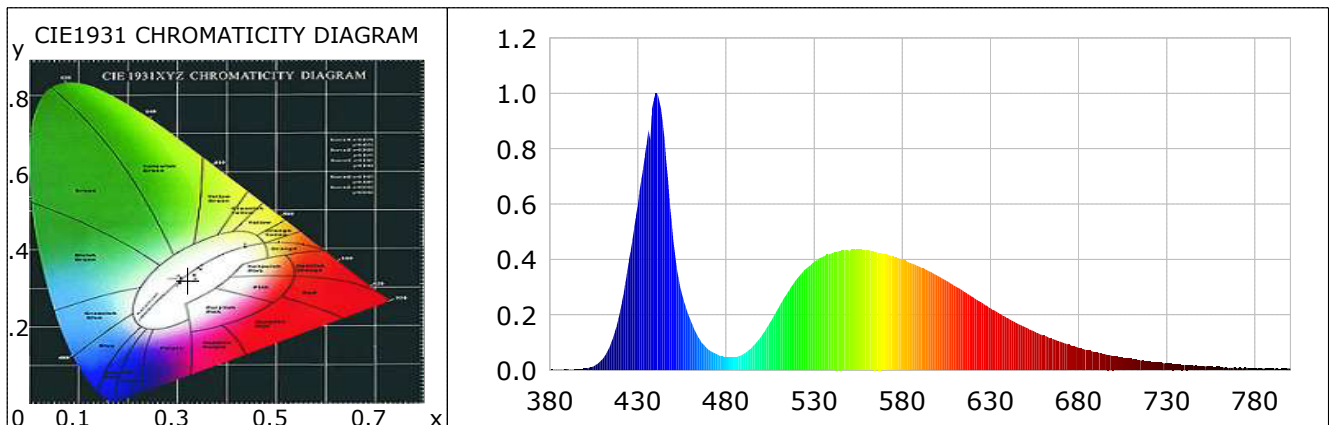
Product Infomation

Product Type: 3045-20W-CO

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3211$ $y=0.3206$ $u(u')=0.2070$ $v=0.3100$ $v'=0.4650$
 CCT: $T_c=6096K$ ($duv=-0.00548$) Color Ratio: $R=0.132$ $G=0.841$ $B=0.027$
 Peak Wavelength: 440.5nm Half Bandwidth: 22.0nm
 Dominant Wavelength: 476.1nm Color Purity: 0.054
 CRI: $R_a=67.9$ TM30: $R_f=59$, $R_g=99$
 $R_1=72$ $R_2=69$ $R_3=65$ $R_4=70$ $R_5=72$ $R_6=60$ $R_7=72$ $R_8=64$
 $R_9=-13$ $R_{10}=25$ $R_{11}=73$ $R_{12}=41$ $R_{13}=68$ $R_{14}=79$ $R_{15}=68$
 Color Quality Scale: $Q_a=67.1$, $Q_f=63.4$, $Q_p=76.3$, $Q_g=94.7$
 $Q_1=81$ $Q_2=85$ $Q_3=55$ $Q_4=54$ $Q_5=68$ $Q_6=71$ $Q_7=75$ $Q_8=89$
 $Q_9=81$ $Q_{10}=61$ $Q_{11}=56$ $Q_{12}=60$ $Q_{13}=67$ $Q_{14}=62$ $Q_{15}=70$



Photometric Parameters

Luminous Flux: 2139.44 lm
 EEI: 0.11

Efficiency: 124.73 lm/W
 Energy Efficiency Class: A++ (EU 874-2012)

Radiant Power: 7.028 W

Electric Parameters

Voltage: 12.80V
 Power Factor: 0.0000

Current: 1.3400A
 Frequency: 0.00Hz

Power: 17.15W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 45099 (2823)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4T
 CCD Integration Time: 200.00 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	0.0015	0.1235	525	0.3644	30.8800	670	0.1026	8.6963
385	0.0018	0.1539	530	0.3907	33.1076	675	0.0916	7.7639
390	0.0050	0.4247	535	0.4095	34.6999	680	0.0806	6.8298
395	0.0030	0.2500	540	0.4226	35.8149	685	0.0728	6.1709
400	0.0057	0.4867	545	0.4320	36.6064	690	0.0644	5.4601
405	0.0150	1.2719	550	0.4310	36.5250	695	0.0583	4.9369
410	0.0408	3.4579	555	0.4362	36.9636	700	0.0509	4.3142
415	0.1006	8.5241	560	0.4332	36.7138	705	0.0460	3.8951
420	0.2143	18.1591	565	0.4272	36.2022	710	0.0410	3.4761
425	0.3978	33.7108	570	0.4195	35.5519	715	0.0359	3.0437
430	0.5978	50.6616	575	0.4095	34.7010	720	0.0316	2.6763
435	0.8235	69.7873	580	0.3976	33.6964	725	0.0276	2.3418
440	0.9996	84.7132	585	0.3869	32.7895	730	0.0250	2.1185
445	0.8347	70.7346	590	0.3731	31.6205	735	0.0219	1.8568
450	0.4735	40.1235	595	0.3583	30.3672	740	0.0183	1.5484
455	0.2737	23.1966	600	0.3410	28.8972	745	0.0181	1.5361
460	0.1781	15.0909	605	0.3229	27.3684	750	0.0146	1.2375
465	0.1117	9.4628	610	0.3034	25.7109	755	0.0136	1.1537
470	0.0750	6.3592	615	0.2840	24.0701	760	0.0125	1.0578
475	0.0578	4.8973	620	0.2641	22.3792	765	0.0080	0.6788
480	0.0466	3.9507	625	0.2440	20.6769	770	0.0068	0.5778
485	0.0464	3.9359	630	0.2242	18.9988	775	0.0099	0.8353
490	0.0595	5.0397	635	0.2050	17.3726	780	0.0063	0.5322
495	0.0850	7.2027	640	0.1875	15.8870	785	0.0048	0.4050
500	0.1229	10.4112	645	0.1699	14.3965	790	0.0059	0.4969
505	0.1725	14.6202	650	0.1546	13.0993	795	0.0050	0.4213
510	0.2284	19.3548	655	0.1394	11.8154	800	0.0049	0.4183
515	0.2818	23.8800	660	0.1258	10.6578			
520	0.3286	27.8500	665	0.1140	9.6596			

Condition: Tx:24.6°C, Ti:23.3°C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2023-11-17 15:21:31
Inspector: