

Lightsource Test Report (1/2)

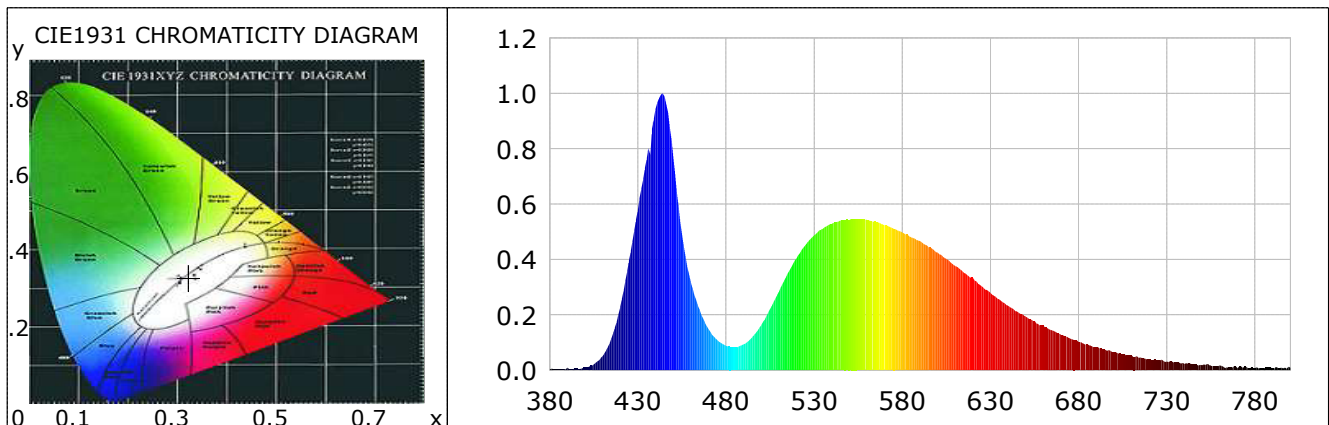
Product Infomation

Product Type: 3045-20W-D

Product Number: 4

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3222$ $y=0.3270$ $u(u')=0.2052$ $v=0.3124$ $v'=0.4686$
 CCT: $T_c=6014K$ ($duv=-0.00257$) Color Ratio: $R=0.131$ $G=0.838$ $B=0.031$
 Peak Wavelength: 443.8nm Half Bandwidth: 26.9nm
 Dominant Wavelength: 484.0nm Color Purity: 0.043
 CRI: $R_a=69.9$ TM30: $R_f=63$, $R_g=97$
 $R1=71$ $R2=72$ $R3=69$ $R4=72$ $R5=72$ $R6=62$ $R7=76$ $R8=64$
 $R9=-15$ $R10=31$ $R11=72$ $R12=43$ $R13=69$ $R14=82$ $R15=68$
 Color Quality Scale: $Q_a=68.7$, $Q_f=66.1$, $Q_p=75.6$, $Q_g=93.2$
 $Q1=81$ $Q2=88$ $Q3=58$ $Q4=55$ $Q5=68$ $Q6=72$ $Q7=76$ $Q8=88$
 $Q9=84$ $Q10=65$ $Q11=60$ $Q12=63$ $Q13=69$ $Q14=62$ $Q15=70$



Photometric Parameters

Luminous Flux: 1438.46 lm Efficiency: 122.15 lm/W Radiant Power: 4.660 W
 EEI: 0.11 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.80V Current: 0.9200A Power: 11.78W
 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: 45219 (3490) CCD Integration Time: 356.78 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	0.0034	0.1556	525	0.4514	20.5159	670	0.1278	5.8101
385	0.0027	0.1226	530	0.4880	22.1769	675	0.1151	5.2318
390	0.0097	0.4386	535	0.5118	23.2611	680	0.1014	4.6088
395	0.0061	0.2783	540	0.5294	24.0584	685	0.0930	4.2273
400	0.0094	0.4279	545	0.5415	24.6101	690	0.0827	3.7590
405	0.0210	0.9566	550	0.5422	24.6412	695	0.0746	3.3914
410	0.0517	2.3473	555	0.5454	24.7862	700	0.0661	3.0056
415	0.1148	5.2175	560	0.5432	24.6885	705	0.0581	2.6383
420	0.2290	10.4050	565	0.5354	24.3321	710	0.0534	2.4267
425	0.3962	18.0041	570	0.5237	23.7996	715	0.0471	2.1417
430	0.5792	26.3216	575	0.5114	23.2419	720	0.0385	1.7512
435	0.7665	34.8346	580	0.4975	22.6109	725	0.0369	1.6773
440	0.9440	42.9020	585	0.4800	21.8138	730	0.0317	1.4413
445	0.9891	44.9491	590	0.4662	21.1864	735	0.0282	1.2798
450	0.7737	35.1636	595	0.4425	20.1098	740	0.0224	1.0198
455	0.4884	22.1954	600	0.4246	19.2952	745	0.0217	0.9884
460	0.3182	14.4630	605	0.4022	18.2808	750	0.0183	0.8318
465	0.2179	9.9010	610	0.3766	17.1169	755	0.0173	0.7855
470	0.1496	6.8003	615	0.3523	16.0129	760	0.0178	0.8111
475	0.1094	4.9718	620	0.3341	15.1829	765	0.0089	0.4047
480	0.0886	4.0281	625	0.3030	13.7689	770	0.0079	0.3594
485	0.0829	3.7691	630	0.2794	12.6982	775	0.0136	0.6188
490	0.0937	4.2591	635	0.2556	11.6140	780	0.0077	0.3490
495	0.1211	5.5044	640	0.2335	10.6103	785	0.0066	0.2994
500	0.1637	7.4379	645	0.2124	9.6532	790	0.0067	0.3037
505	0.2212	10.0516	650	0.1932	8.7824	795	0.0094	0.4270
510	0.2849	12.9463	655	0.1771	8.0492	800	0.0086	0.3917
515	0.3500	15.9076	660	0.1609	7.3135			
520	0.4057	18.4358	665	0.1435	6.5232			

Condition: Tx:30.1°C, Ti:28.9°C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2023-09-08 14:48:12
Inspector: