

## Lightsource Test Report (1/2)

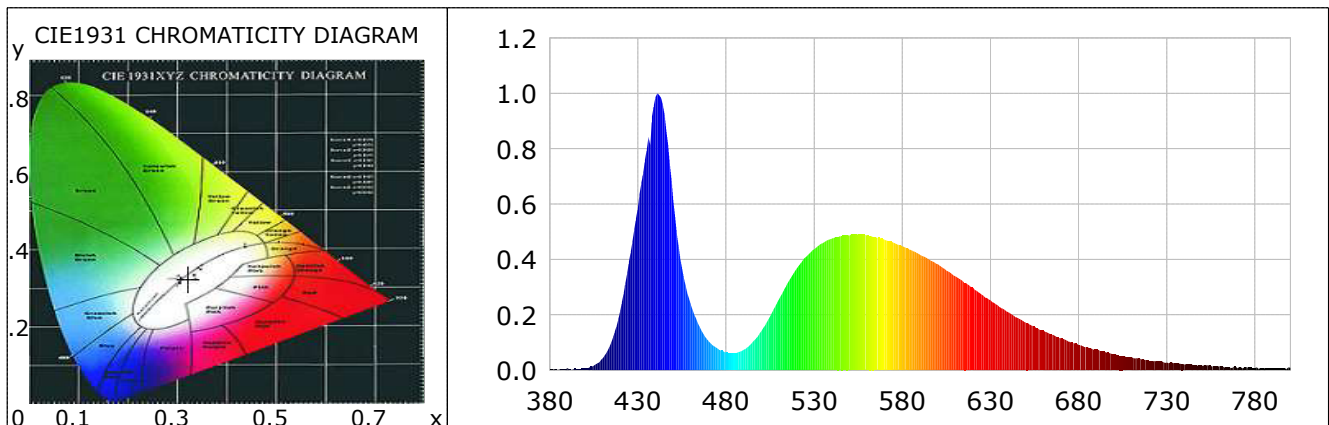
### Product Infomation

Product Type: 3045-20W-D

Product Number: 3

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3220$   $y=0.3243$   $u(u')=0.2062$   $v=0.3115$   $v'=0.4672$   
 CCT:  $T_c=6030K$  ( $duv=-0.00391$ ) Color Ratio:  $R=0.132$   $G=0.840$   $B=0.028$   
 Peak Wavelength: 441.2nm Half Bandwidth: 24.2nm  
 Dominant Wavelength: 480.5nm Color Purity: 0.046  
 CRI:  $R_a=68.8$  TM30:  $R_f=61$ ,  $R_g=98$   
 $R_1=71$   $R_2=70$   $R_3=67$   $R_4=71$   $R_5=72$   $R_6=61$   $R_7=74$   $R_8=64$   
 $R_9=-15$   $R_{10}=28$   $R_{11}=73$   $R_{12}=42$   $R_{13}=69$   $R_{14}=81$   $R_{15}=68$   
 Color Quality Scale:  $Q_a=67.9$ ,  $Q_f=64.7$ ,  $Q_p=75.9$ ,  $Q_g=93.9$   
 $Q_1=81$   $Q_2=87$   $Q_3=56$   $Q_4=54$   $Q_5=68$   $Q_6=71$   $Q_7=75$   $Q_8=88$   
 $Q_9=82$   $Q_{10}=63$   $Q_{11}=58$   $Q_{12}=62$   $Q_{13}=68$   $Q_{14}=62$   $Q_{15}=70$



### Photometric Parameters

Luminous Flux: 1889.68 lm Efficiency: 111.84 lm/W Radiant Power: 6.148 W  
 EEI: 0.12 Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 12.80V Current: 1.3200A Power: 16.90W  
 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: 44917 (3380) CCD Integration Time: 249.85 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	0.1644	525	0.4080	27.1677	670	0.1154	7.6847
385	0.0022	0.1495	530	0.4377	29.1427	675	0.1021	6.7968
390	0.0082	0.5454	535	0.4593	30.5821	680	0.0906	6.0355
395	0.0047	0.3123	540	0.4753	31.6446	685	0.0831	5.5360
400	0.0064	0.4230	545	0.4849	32.2888	690	0.0731	4.8666
405	0.0169	1.1269	550	0.4858	32.3476	695	0.0664	4.4241
410	0.0437	2.9075	555	0.4916	32.7307	700	0.0581	3.8689
415	0.1013	6.7470	560	0.4866	32.4021	705	0.0517	3.4431
420	0.2143	14.2701	565	0.4805	31.9914	710	0.0463	3.0846
425	0.3926	26.1391	570	0.4705	31.3298	715	0.0418	2.7799
430	0.5871	39.0884	575	0.4603	30.6514	720	0.0347	2.3081
435	0.7994	53.2262	580	0.4480	29.8318	725	0.0316	2.1057
440	0.9864	65.6778	585	0.4339	28.8882	730	0.0284	1.8938
445	0.9240	61.5205	590	0.4165	27.7329	735	0.0249	1.6608
450	0.6167	41.0606	595	0.4003	26.6559	740	0.0207	1.3766
455	0.3665	24.4031	600	0.3827	25.4798	745	0.0183	1.2197
460	0.2371	15.7841	605	0.3605	24.0004	750	0.0154	1.0250
465	0.1562	10.4034	610	0.3395	22.6078	755	0.0156	1.0355
470	0.1053	7.0104	615	0.3166	21.0794	760	0.0152	1.0119
475	0.0790	5.2623	620	0.2991	19.9165	765	0.0084	0.5592
480	0.0641	4.2653	625	0.2733	18.1942	770	0.0071	0.4705
485	0.0616	4.1000	630	0.2531	16.8528	775	0.0119	0.7898
490	0.0741	4.9305	635	0.2298	15.2996	780	0.0075	0.4962
495	0.1010	6.7223	640	0.2098	13.9702	785	0.0060	0.3968
500	0.1414	9.4144	645	0.1905	12.6872	790	0.0072	0.4804
505	0.1952	12.9939	650	0.1721	11.4592	795	0.0068	0.4547
510	0.2576	17.1510	655	0.1574	10.4823	800	0.0081	0.5406
515	0.3152	20.9873	660	0.1431	9.5287			
520	0.3668	24.4210	665	0.1290	8.5867			

Condition: Tx:30.1'C, Ti:28.8'C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2023-09-08 14:17:36  
 Inspector: