

## Lightsource Test Report (1/2)

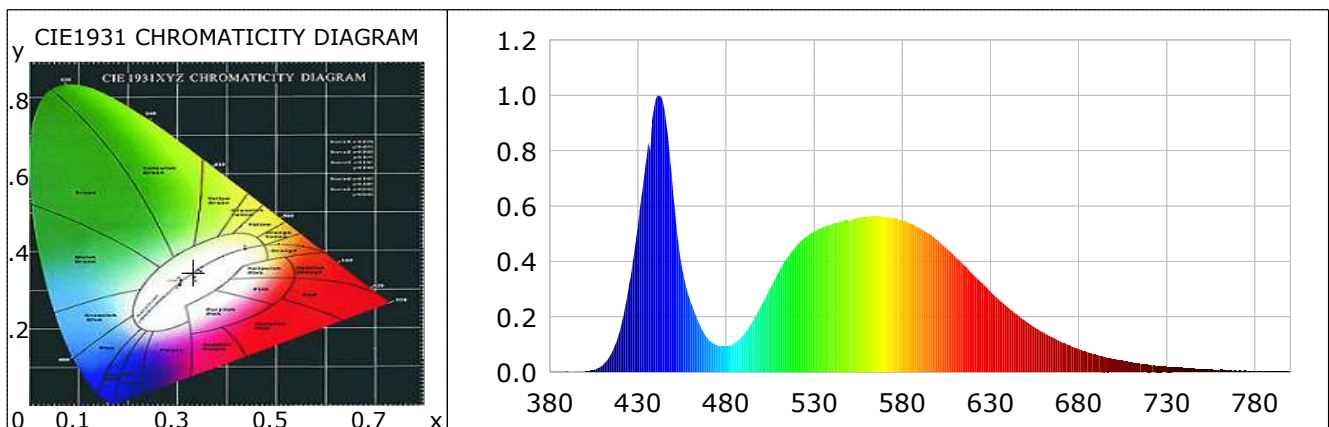
### Product Infomation

Product Type: 3025P-60W-SPOT

Product Number: 3025P-60W-SPOT

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3322$   $y=0.3464$   $u(u')=0.2046$   $v=0.3201$   $v'=0.4802$   
 CCT:  $T_c=5514K$  ( $duv=0.00284$ ) Color Ratio:  $R=0.132$   $G=0.838$   $B=0.030$   
 Peak Wavelength: 441.4nm Half Bandwidth: 22.8nm  
 Dominant Wavelength: 550.2nm Color Purity: 0.037  
 CRI:  $R_a=70.1$  TM30:  $R_f=66$ ,  $R_g=97$   
 $R_1=69$   $R_2=73$   $R_3=77$   $R_4=72$   $R_5=71$   $R_6=66$   $R_7=77$   $R_8=57$   
 $R_9=-35$   $R_{10}=37$   $R_{11}=73$   $R_{12}=48$   $R_{13}=68$   $R_{14}=87$   $R_{15}=62$   
 Color Quality Scale:  $Q_a=71.1$ ,  $Q_f=69.8$ ,  $Q_p=75.2$ ,  $Q_g=91.3$   
 $Q_1=77$   $Q_2=91$   $Q_3=65$   $Q_4=64$   $Q_5=72$   $Q_6=73$   $Q_7=76$   $Q_8=86$   
 $Q_9=89$   $Q_{10}=71$   $Q_{11}=67$   $Q_{12}=68$   $Q_{13}=71$   $Q_{14}=57$   $Q_{15}=65$



### Photometric Parameters

Luminous Flux: 3948.11 lm  
 EEI: 0.17

Efficiency: 79.28 lm/W

Radiant Power: 12.011 W

Energy Efficiency Class: A (EU 874-2012)

### Electric Parameters

Voltage: 12.00V

Current: 4.1500A

Power: 49.80W

Power Factor: 1.0000

Frequency: 0.00Hz

### Test Infomation

Scan Range: 380~800:1nm  
 Stabilization Time: 20 Sec  
 Max of Signal: 45448 (2767)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4π  
 CCD Integration Time: 143.27 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	0.0016	0.1854	525	0.4867	56.7422	670	0.1098	12.8022
385	0.0019	0.2197	530	0.5079	59.2097	675	0.0966	11.2616
390	0.0038	0.4477	535	0.5231	60.9863	680	0.0833	9.7078
395	0.0012	0.1439	540	0.5351	62.3786	685	0.0728	8.4816
400	0.0023	0.2727	545	0.5434	63.3437	690	0.0628	7.3162
405	0.0080	0.9270	550	0.5448	63.5102	695	0.0548	6.3936
410	0.0253	2.9537	555	0.5563	64.8480	700	0.0473	5.5164
415	0.0674	7.8548	560	0.5601	65.2928	705	0.0416	4.8549
420	0.1548	18.0408	565	0.5617	65.4775	710	0.0357	4.1567
425	0.3143	36.6353	570	0.5590	65.1639	715	0.0307	3.5841
430	0.5274	61.4863	575	0.5553	64.7358	720	0.0265	3.0858
435	0.7821	91.1722	580	0.5467	63.7387	725	0.0224	2.6079
440	0.9830	114.5970	585	0.5357	62.4463	730	0.0198	2.3079
445	0.9477	110.4784	590	0.5193	60.5366	735	0.0176	2.0508
450	0.6454	75.2351	595	0.4996	58.2436	740	0.0140	1.6370
455	0.3751	43.7309	600	0.4761	55.5011	745	0.0127	1.4768
460	0.2520	29.3762	605	0.4474	52.1623	750	0.0115	1.3360
465	0.1724	20.0926	610	0.4179	48.7178	755	0.0098	1.1406
470	0.1179	13.7398	615	0.3850	44.8888	760	0.0099	1.1557
475	0.0973	11.3445	620	0.3534	41.2005	765	0.0054	0.6345
480	0.0929	10.8293	625	0.3230	37.6604	770	0.0044	0.5149
485	0.1054	12.2822	630	0.2904	33.8567	775	0.0061	0.7088
490	0.1360	15.8603	635	0.2608	30.4046	780	0.0031	0.3618
495	0.1826	21.2865	640	0.2340	27.2834	785	0.0026	0.3080
500	0.2409	28.0796	645	0.2082	24.2692	790	0.0032	0.3788
505	0.3019	35.1938	650	0.1840	21.4541	795	0.0032	0.3692
510	0.3637	42.4001	655	0.1624	18.9267	800	0.0030	0.3477
515	0.4158	48.4694	660	0.1435	16.7262			
520	0.4575	53.3372	665	0.1267	14.7764			

Condition: Tx:24.6'C, Ti:23.8'C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2023-03-01 10:50:47  
 Inspector: