

Lightsource Test Report (1/2)

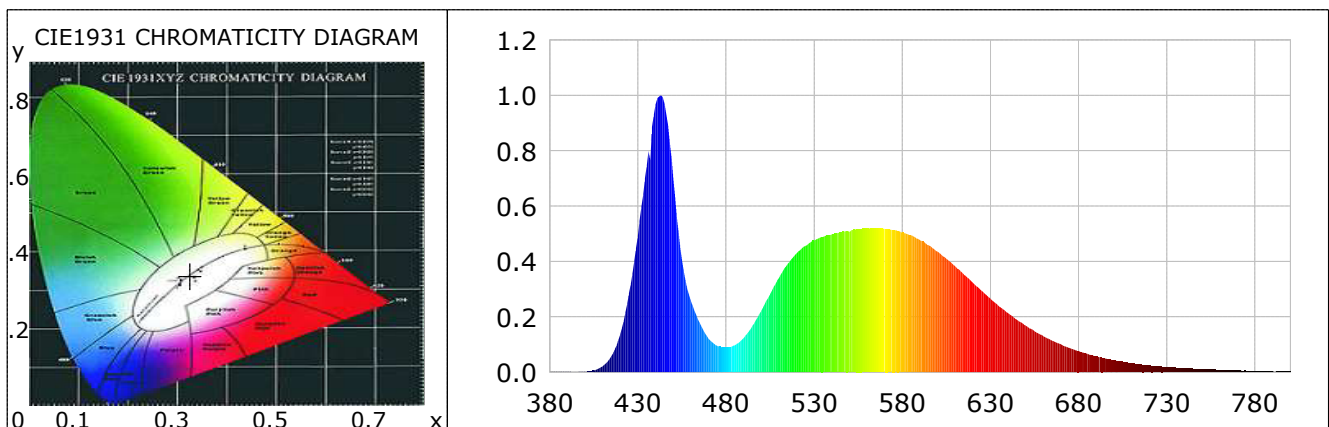
Product Infomation

Product Type: 3015P-140W-SPOT

Product Number: 3015P-140W-SPOT

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3257$ $y=0.3373$ $u(u')=0.2037$ $v=0.3164$ $v'=0.4746$
 CCT: $T_c=5810K$ ($duv=0.00116$) Color Ratio: $R=0.130$ $G=0.838$ $B=0.032$
 Peak Wavelength: 442.9nm Half Bandwidth: 22.9nm
 Dominant Wavelength: 498.7nm Color Purity: 0.024
 CRI: $R_a=70.7$ TM30: $R_f=66$, $R_g=97$
 $R_1=70$ $R_2=73$ $R_3=76$ $R_4=73$ $R_5=72$ $R_6=66$ $R_7=77$ $R_8=59$
 $R_9=-30$ $R_{10}=37$ $R_{11}=74$ $R_{12}=48$ $R_{13}=69$ $R_{14}=86$ $R_{15}=64$
 Color Quality Scale: $Q_a=71.0$, $Q_f=69.4$, $Q_p=75.8$, $Q_g=91.8$
 $Q_1=78$ $Q_2=90$ $Q_3=63$ $Q_4=62$ $Q_5=72$ $Q_6=74$ $Q_7=77$ $Q_8=87$
 $Q_9=88$ $Q_{10}=70$ $Q_{11}=66$ $Q_{12}=67$ $Q_{13}=70$ $Q_{14}=58$ $Q_{15}=66$



Photometric Parameters

Luminous Flux: 14322.31 lm Efficiency: 119.83 lm/W Radiant Power: 44.257 W
 EEI: 0.11 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.00V Current: 9.9600A Power: 119.52W
 Power Factor: 1.0000 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: 45291 (2738) CCD Integration Time: 36.23 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	0.0024	1.1133	525	0.4563	207.8142	670	0.1006	45.8374
385	0.0017	0.7771	530	0.4756	216.6056	675	0.0873	39.7526
390	0.0018	0.8317	535	0.4889	222.6648	680	0.0765	34.8422
395	0.0011	0.4782	540	0.4985	227.0359	685	0.0666	30.3539
400	0.0017	0.7537	545	0.5061	230.4896	690	0.0576	26.2530
405	0.0069	3.1345	550	0.5069	230.8860	695	0.0498	22.6784
410	0.0219	9.9656	555	0.5175	235.6925	700	0.0425	19.3793
415	0.0585	26.6544	560	0.5192	236.4813	705	0.0373	16.9909
420	0.1365	62.1514	565	0.5206	237.1127	710	0.0322	14.6554
425	0.2847	129.6618	570	0.5177	235.7643	715	0.0283	12.8811
430	0.4924	224.2756	575	0.5146	234.3813	720	0.0240	10.9180
435	0.7490	341.1336	580	0.5039	229.5098	725	0.0209	9.5150
440	0.9670	440.4248	585	0.4949	225.3932	730	0.0181	8.2310
445	0.9707	442.1164	590	0.4770	217.2517	735	0.0154	7.0214
450	0.7043	320.7604	595	0.4585	208.8066	740	0.0132	5.9986
455	0.4023	183.2098	600	0.4350	198.1196	745	0.0116	5.2969
460	0.2581	117.5608	605	0.4100	186.7366	750	0.0106	4.8117
465	0.1783	81.2226	610	0.3815	173.7746	755	0.0086	3.9300
470	0.1214	55.2974	615	0.3519	160.2922	760	0.0083	3.7963
475	0.0957	43.6077	620	0.3230	147.1185	765	0.0057	2.5912
480	0.0892	40.6395	625	0.2948	134.2479	770	0.0056	2.5500
485	0.0975	44.3937	630	0.2652	120.7787	775	0.0056	2.5397
490	0.1239	56.4410	635	0.2379	108.3516	780	0.0042	1.9285
495	0.1679	76.4882	640	0.2135	97.2455	785	0.0031	1.4075
500	0.2231	101.6115	645	0.1888	85.9999	790	0.0035	1.5908
505	0.2827	128.7427	650	0.1683	76.6504	795	0.0030	1.3616
510	0.3413	155.4664	655	0.1476	67.2464	800	0.0024	1.0867
515	0.3910	178.1002	660	0.1305	59.4300			
520	0.4299	195.8001	665	0.1143	52.0459			

Condition: Tx:25.4'C, Ti:25.1'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2023-03-01 15:02:43
 Inspector: