

Lightsource Test Report (1 / 2)

Product Information

Product Type: 2014

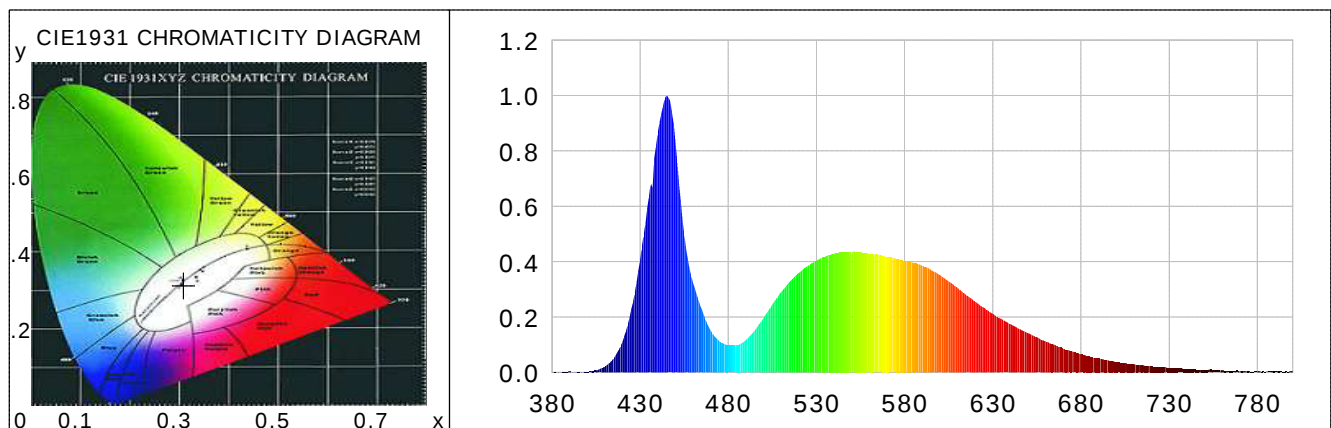
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3082$ $y=0.3135$ $u(u')=0.2006$ $v=0.3061$ $v'=0.4591$
 CCT: $T_c=6926K$ ($duv=-0.00262$) Color Ratio: $R=0.125$ $G=0.836$ $B=0.039$
 Peak Wavelength: 445.1nm Half Bandwidth: 22.9nm
 Dominant Wavelength: 480.6nm Color Purity: 0.103
 CRI: $R_a=73.4$ TM30: $R_f=68$, $R_g=97$

$R1=75$	$R2=75$	$R3=73$	$R4=76$	$R5=76$	$R6=67$	$R7=79$	$R8=66$
$R9=-12$	$R10=39$	$R11=77$	$R12=49$	$R13=73$	$R14=84$	$R15=71$	

 Color Quality Scale: $Q_a=71.8$, $Q_f=69.5$, $Q_p=77.8$, $Q_g=93.0$

$Q1=83$	$Q2=90$	$Q3=62$	$Q4=59$	$Q5=72$	$Q6=77$	$Q7=80$	$Q8=90$
$Q9=86$	$Q10=69$	$Q11=64$	$Q12=66$	$Q13=71$	$Q14=63$	$Q15=72$	



Photometric Parameters

Luminous Flux: 2612.45 lm Efficiency: 82.83 lm/W Radiant Power: 8.549 W
 EEI: 0.16 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.04V Current: 2.6200A Power: 31.54W
 Power Factor: 1.0000 Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 15 Sec	Photometric Condition: Sphere diameter: 1.50m, 4 π
Max of Signal: 45302 (3165)	CCD Integration Time: 158.31 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	0.1492	525	0.3840	38.2089	670	0.0867	8.6259
385	0.0023	0.2279	530	0.4040	40.1962	675	0.0765	7.6160
390	0.0063	0.6318	535	0.4189	41.6829	680	0.0654	6.5096
395	0.0026	0.2550	540	0.4300	42.7891	685	0.0582	5.7946
400	0.0032	0.3144	545	0.4361	43.3921	690	0.0511	5.0824
405	0.0080	0.7932	550	0.4331	43.0914	695	0.0456	4.5417
410	0.0221	2.1978	555	0.4351	43.2907	700	0.0391	3.8936
415	0.0511	5.0873	560	0.4286	42.6492	705	0.0349	3.4688
420	0.1118	11.1262	565	0.4255	42.3434	710	0.0312	3.1010
425	0.2270	22.5896	570	0.4184	41.6360	715	0.0275	2.7318
430	0.4058	40.3767	575	0.4114	40.9374	720	0.0230	2.2920
435	0.6384	63.5280	580	0.4045	40.2508	725	0.0206	2.0528
440	0.8664	86.2117	585	0.3959	39.3954	730	0.0172	1.7083
445	1.0000	99.5062	590	0.3859	38.3967	735	0.0151	1.5012
450	0.8322	82.8135	595	0.3709	36.9076	740	0.0130	1.2913
455	0.4953	49.2859	600	0.3518	35.0037	745	0.0114	1.1331
460	0.3239	32.2298	605	0.3295	32.7851	750	0.0100	0.9963
465	0.2273	22.6174	610	0.3058	30.4266	755	0.0077	0.7662
470	0.1519	15.1182	615	0.2795	27.8109	760	0.0099	0.9852
475	0.1132	11.2630	620	0.2565	25.5272	765	0.0053	0.5273
480	0.0984	9.7904	625	0.2337	23.2510	770	0.0033	0.3248
485	0.0995	9.9054	630	0.2122	21.1119	775	0.0071	0.7106
490	0.1186	11.8016	635	0.1936	19.2674	780	0.0038	0.3824
495	0.1527	15.1951	640	0.1747	17.3804	785	0.0034	0.3334
500	0.1984	19.7373	645	0.1582	15.7407	790	0.0046	0.4603
505	0.2455	24.4296	650	0.1425	14.1846	795	0.0033	0.3236
510	0.2913	28.9819	655	0.1273	12.6700	800	0.0043	0.4299
515	0.3291	32.7485	660	0.1132	11.2635			
520	0.3595	35.7774	665	0.0998	9.9276			

Condition: Tx:29.1°C, Ti:28.2°C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2024-11-06 08:33:54
Inspector: