

Lightsource Test Report

Product Information

Product Category: 1403.04.12
Product Spec: WH

Product Type: Cob 45watt s3
Product Number: 243

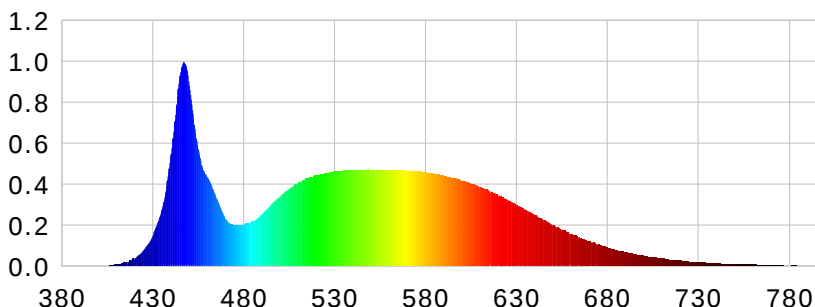
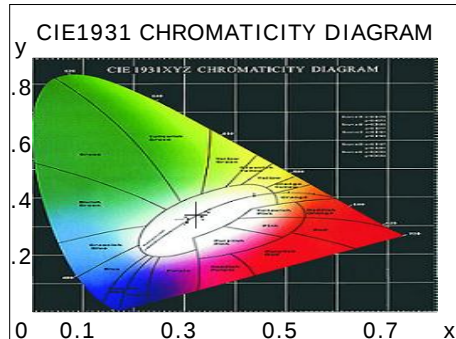
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3233$ $y=0.3443$ $u(u')=0.1994$ $v=0.3185$ $v'=0.4778$
CCT: $T_c=5906K$ ($duv=0.00578$) Color Ratio: $R=0.139$ $G=0.812$ $B=0.049$
Peak Wavelength: 447.2nm Half Bandwidth: 17.7nm
Dominant Wavelength: 506.9nm Color Purity: 0.030
CRI: $R_a=82.4$ TM30: $R_f=83$, $R_g=97$
GAI: $GAI_BB_8=91.1$, $GAI_BB_15=95.5$, $GAI_EES=86.1$

R1 =80	R2 =85	R3 =89	R4 =83	R5 =82	R6 =81	R7 =88	R8 =70
R9 =8	R10=66	R11=83	R12=61	R13=81	R14=94	R15=75	

Color Quality Scale: $Q_a=82.6$, $Q_f=82.4$, $Q_p=83.4$, $Q_g=93.0$

Q1 =85	Q2 =97	Q3 =78	Q4 =76	Q5 =83	Q6 =84	Q7 =86	Q8 =91
Q9 =96	Q10=86	Q11=83	Q12=83	Q13=83	Q14=72	Q15=77	



Photometric Parameters

Luminous Flux: 3437.2 lm
EEI: 0.16

Efficiency: 84.81 lm/W
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 10.854 W

Electric Parameters

Voltage: 231.00V
Power Factor: 0.4700

Current: 0.3730A
Frequency: 49.99Hz

Power: 40.53W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Sec ALC.: 1.0000
Max of Signal: 50145 (2409)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4PI
CCD Integration Time: 38.72 ms

Condition: $T_x=27.2^{\circ}C$, $T_i=26.3^{\circ}C$, R.H.:60%
Test Lab: visena electric co
Operator: sepanta pouresmaeil

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2024-07-02 09:45:59
Inspector: