



NORDECOR Lightsource Test Report

Product Information

Product Category: SPOT SENF 20W 1851LM 2,7K
Product Number: 4

Product Spec: 6846
Manufacturer: NORDECOR

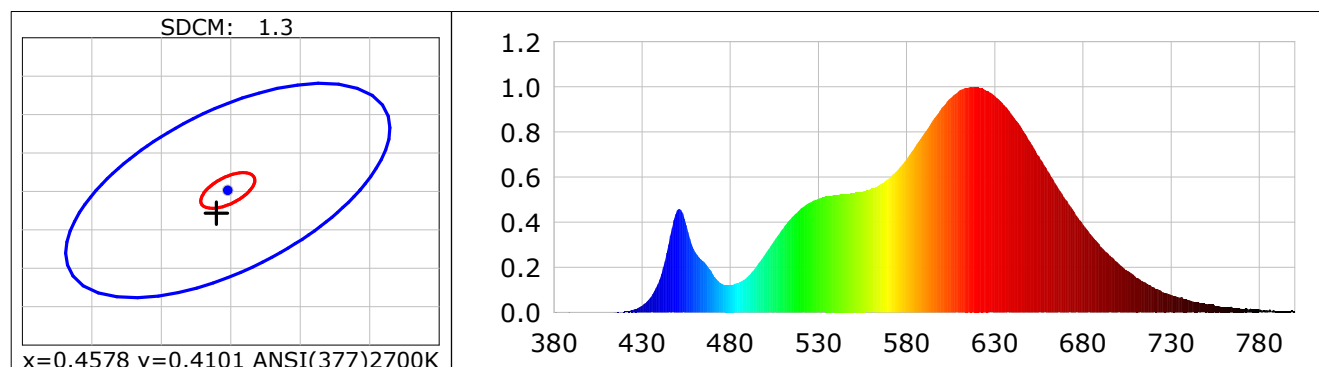
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4570$ $y=0.4072$ $u(u')=0.2622$ $v=0.3504$ $v'=0.5256$
CCT: $T_c=2714K$ ($duv=-0.00103$) Color Ratio: $R=0.269$ $G=0.710$ $B=0.021$
Peak Wavelength: 618.2nm Half Bandwidth: 141.8nm
Dominant Wavelength: 584.5nm Color Purity: 0.594
Central Wave: 599.4nm Gravity Wave: 605.6nm
CRI: $R_a=93.0$, $avgR(1\sim14)=89.9$, $avgR(1\sim15)=89.8$ TM30: $R_f=91$, $R_g=102$
GAI: $GAI_BB_8=104.6$, $GAI_BB_15=110.4$, $GAI_EES=51.3$

$R1=95$	$R2=97$	$R3=97$	$R4=95$	$R5=95$	$R6=97$	$R7=90$	$R8=79$
$R9=52$	$R10=91$	$R11=95$	$R12=83$	$R13=96$	$R14=97$	$R15=88$	TLCI=82

Color Quality Scale: $Q_a=89.8$, $Q_f=90.9$, $Q_p=94.1$, $Q_g=98.2$

$Q1=86$	$Q2=95$	$Q3=88$	$Q4=91$	$Q5=93$	$Q6=89$	$Q7=87$	$Q8=91$
$Q9=97$	$Q10=93$	$Q11=94$	$Q12=93$	$Q13=93$	$Q14=85$	$Q15=85$	



Photometric Parameters

Luminous Flux: 934.50 lm Efficiency: 46.66 lm/W Radiant Power: 3.098 W
Total mains efficacy: 46.66 lm/W Energy Efficiency Class: G (EU 2019/2015)
Melanin Flux: 0.534 W M/R: 0.4758 MDER: 0.4330
Mesopic Flux (CIE R.): 1021.87 lm ($L_p=0.100$ cd/m², $S/P=1.28$)
Mesopic Flux (USP): 1098.14 lm ($L_p=0.100$ cd/m², $S/P=1.28$)
Mesopic Flux (MOVE): 1037.00 lm ($L_p=0.100$ cd/m², $S/P=1.28$)

Electric Parameters

Voltage: 220.30V Current: 0.1960A Power: 20.03W
Power Factor: 0.4630 Frequency: 60.00Hz

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms ALC.: 1.0000
Max of Signal: 46140 (2343)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 302.42 ms

Condition: $T_x:25.9^{\circ}C$, $T_i:26.3^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: CMS-2S (Plus)
Test Time: 2026-02-23 10:09:10
Auditor:

NORDECOR

IES TM-30-18 Color Rendition Report

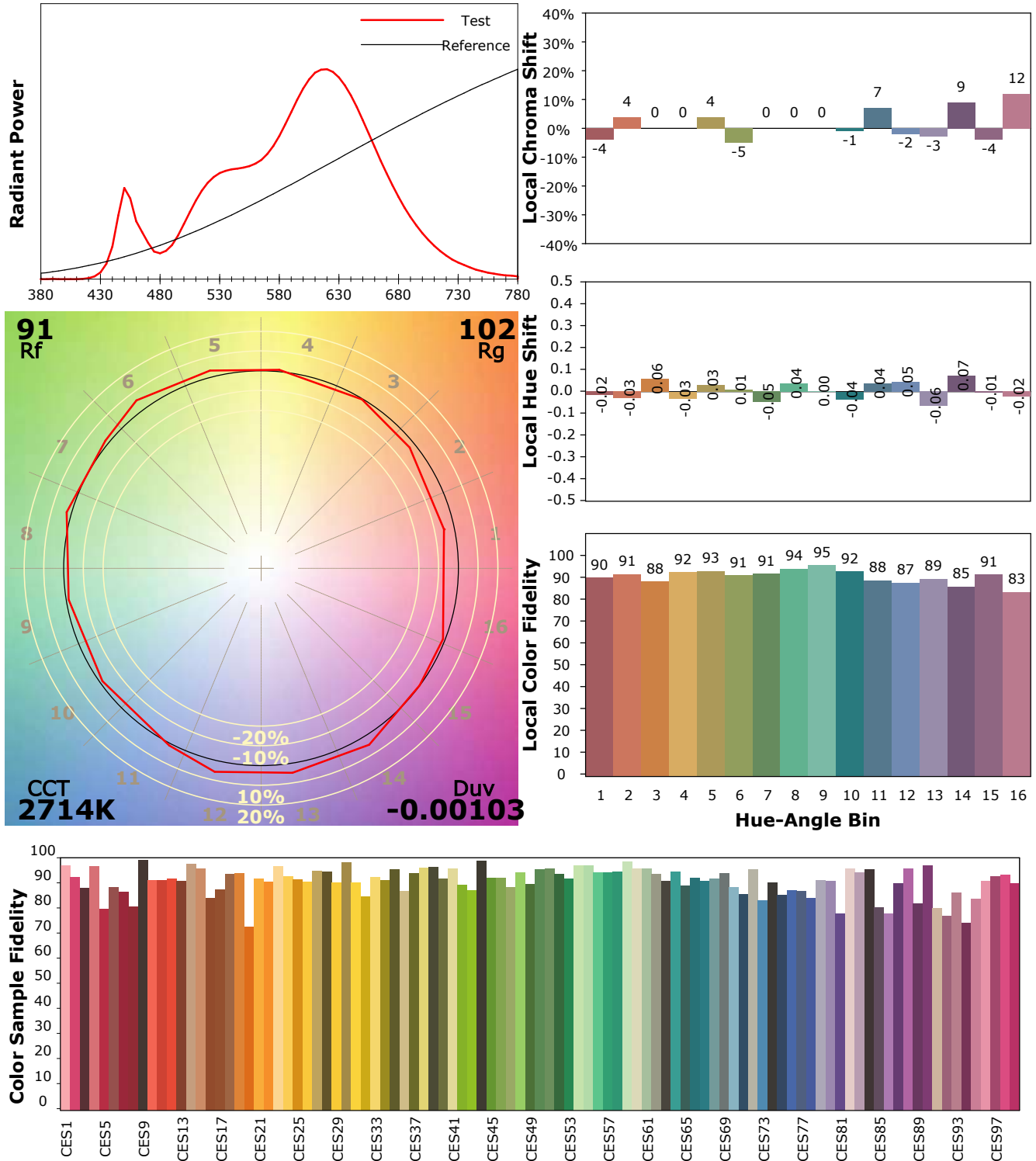
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