

Light measurement report

Light source: 10 W downlight with driver

Operating conditions: Horizontal operation in free air, $T_{amb} = 25\text{ °C}$
 In operation 20 min before measurement, $T_s = 44\text{ °C}$, T_s point marked with x on fixture.
 Power: 15 W

Measurement conditions: total radians is measured using a spectroradiometer with a fibercoupled 40 inch integrating sphere with P3 port. The input port of the sphere is 3 inch in diameter. Corrected for absorption loss in sphere. Spectral measurement from 200-1000 nm.

Photo:



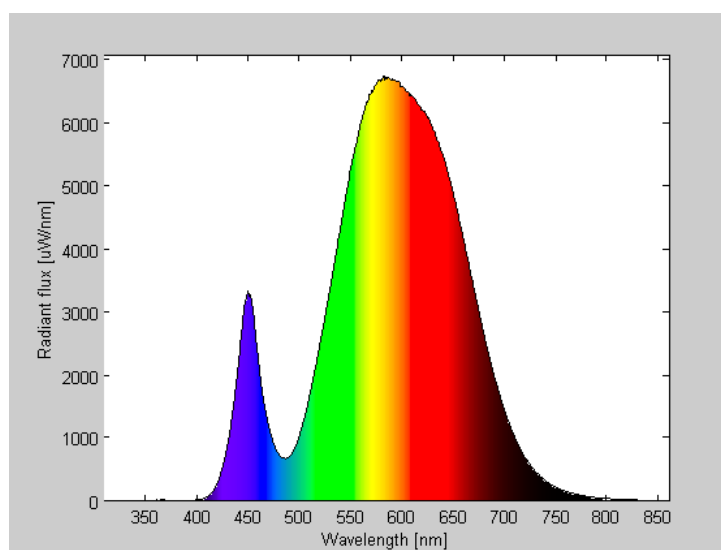
Measured spectral distribution: wavelength range 200 – 1000 nm

Radiant flux:

$\Phi = 1074\text{ mW}$

Luminous flux:

$\Phi_v = 356\text{ lm}$



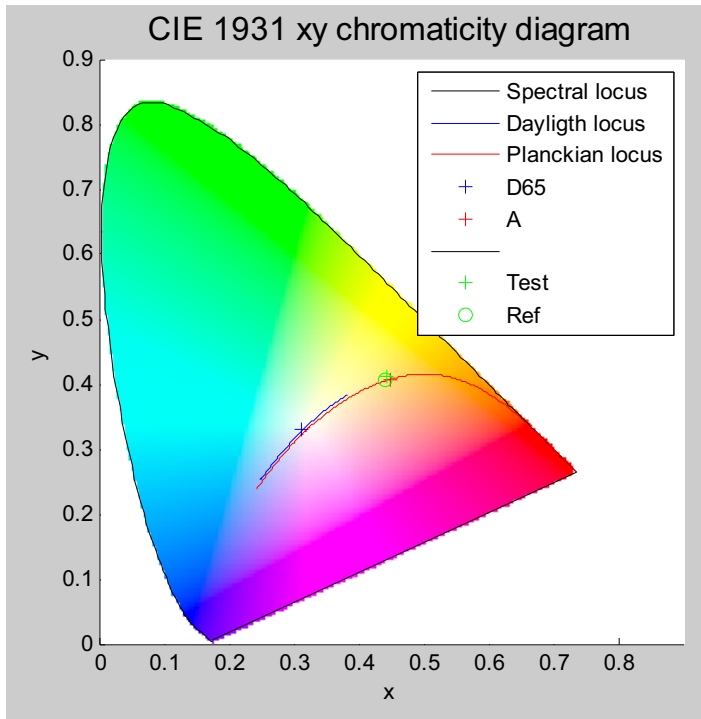
Color characteristics:

Color coordinates:

$x = 0.4442$
 $y = 0.4118$

Correlated color temperature:

CCT = 2935 K



Color rendering:
(CIE 13.3.-1995)

CRI = 72.1 [Planckian 2935 K]

CD = $2.1 \cdot 10^{-3}$

Note: the CD is within the limit value $5.4 \cdot 10^{-3}$ recommended by CIE.

i	Appearance under daylight	Swatch	CRI i
1	Light greyish red		68,5
2	Dark greyish yellow		79,9
3	Strong yellow green		88,0
4	Moderate yellowish green		66,9
5	Light bluish green		65,5
6	Light blue		68,3
7	Light violet		83,5
8	Light reddish purple		56,3
9	Strong red		-3,9
10	Strong yellow		51,5
11	Strong green		56,6
12	Strong blue		38,9
13	Light yellowish pink (skin)		69,7
14	Moderate olive green (leaf)		92,6