

# Light measurement report

Meas. No.: L<sup>3</sup>0162

**Light source:** Flashlight, 14W spot

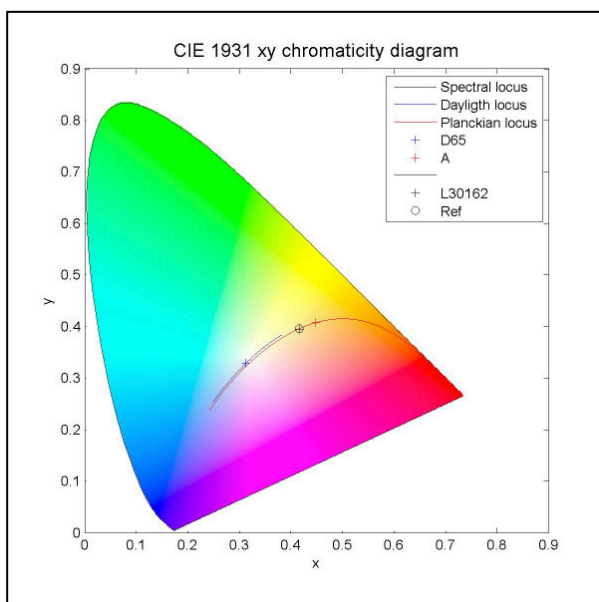
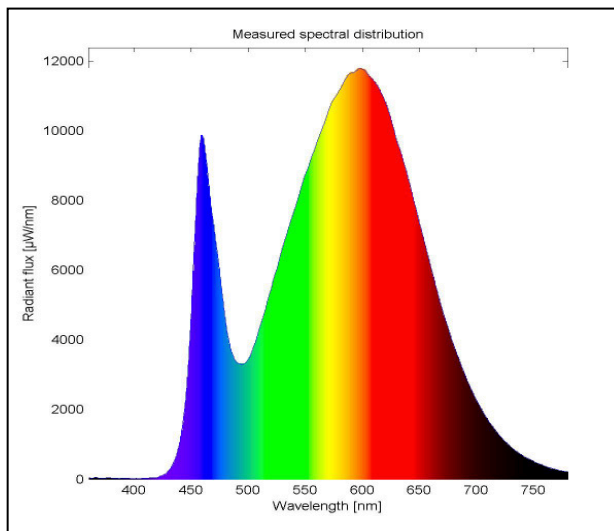
**Operating conditions:** Vertical operation in free air base down. In operation 30 min before measurement.

**Measurement conditions:** Total spectral radiant flux is measured using a spectroradiometer with a fibercoupled 40 inch integrating sphere. The light source is center mounted and measurements are corrected for absorption loss. Spectral measurement from 200-1000 nm.

**Measurements and color calculations:**

Power [W]	Efficacy [lm/W]	Power Factor	T <sub>bulb</sub> [°C]
14.2	45.2	0.45	-
Radiant Flux [mW]		Luminous Flux [lm]	
1971		632.6	
Corr. Color Temp. [K]	CRI (CIE: 13.3-1995)	DC	DC <math>< 5.4 \cdot 10^{-3}</math>
3314	81.3	NB: CIE Recommends that the CD value is within the limit of $5.4 \cdot 10^{-3}$	True
		$2.3 \cdot 10^{-4}$	
x	y	u	v
0.4159	0.3952	0.2407	0.3431

**Chromatic Color Coordinates:**



i	Appearance under daylight	Swatch	CRI <sub>i</sub>
1	Light greyish red		80.1
2	Dark greyish yellow		92.4
3	Strong yellow green		95.2
4	Moderate yellowish green		73.6
5	Light bluish green		78.4
6	Light blue		87.7
7	Light violet		82.2
8	Light reddish purple		61.3
9	Strong red		13.2
10	Strong yellow		79.4
11	Strong green		68.4
12	Strong blue		60.0
13	Light yellowish pink (skin)		83.4
14	Moderate olive green (leaf)		98.2