

LED Flux measurement

FORM-L-41 ED1 REV 2

Date : **16-01-19**

Operator : **FCE**

Filename : **2019_52.xml**



226 - TEST

NBN EN ISO/IEC 17025 : 2005

LEDs

Trademark : **Samsung**

Entry number : **39R004-2**

Type : **LH351C**

Power (Catalogue) : **0,00** W

BIN Description : **40-70M-4-TB-RB**

Flux : **0** lm/LED

Part number : **Unknown**

Color or CCT (Theoretical) : **NW**

Number of LEDs : **6**

Lenses

Trademark : **None**

Type : **None**

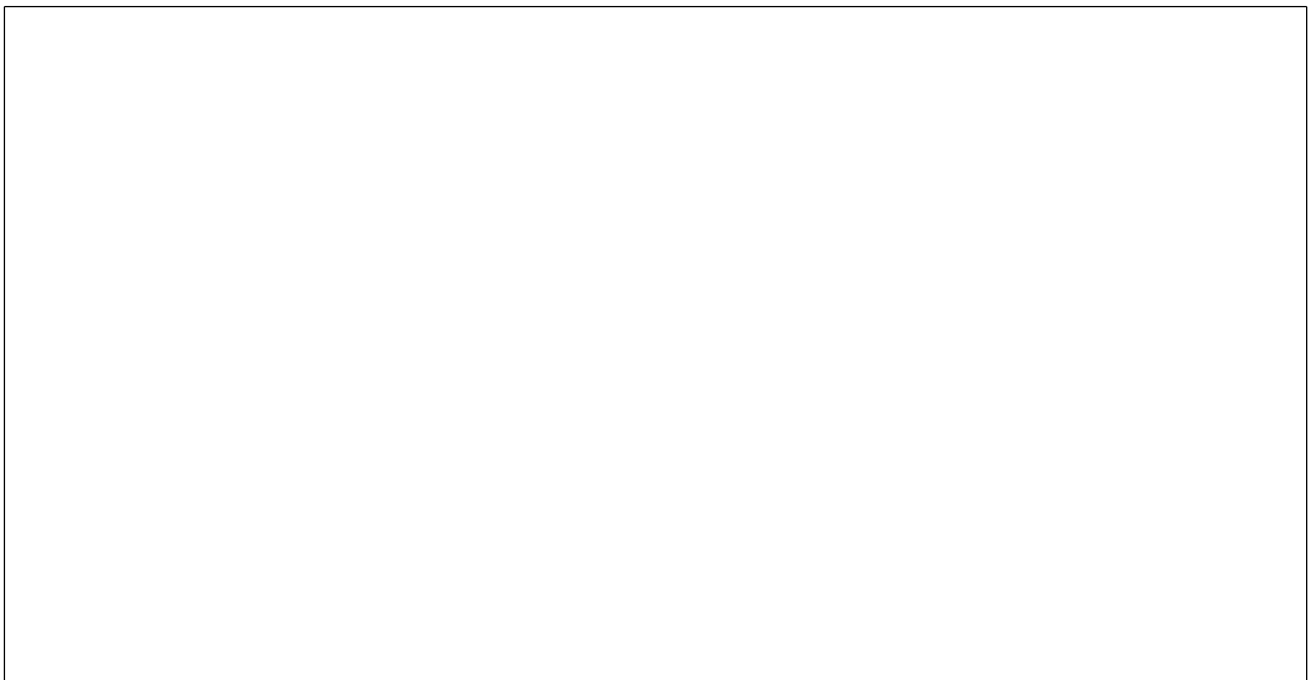
Power & Print

Type : **DELTA SM400-AR-4**

Print description : **00-71-626 A - Voltana 0**

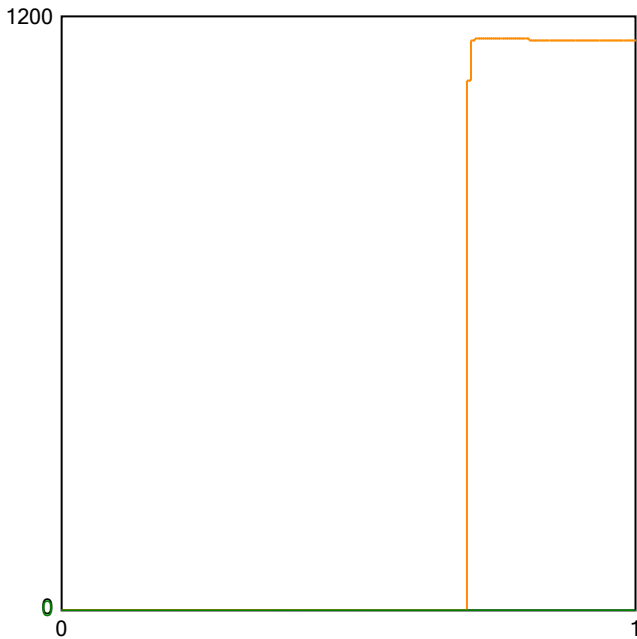
Active

Picture



Sphere photometric measurement

Maximum flux : **1157** lumens



Operating condition

Position in sphere :



Ambient sphere T ° : **24,6**

Electrical measurement

● Secondary electrical measurement

Voltage : **16,93** V

Current : **0,350** A

Power : **5,92** Watt

→ LEDs light efficiency at 25° :

195,4 lm/W

192,9 lm/Led

● Primary electrical measurement

Voltage : **N/A** V

Current : **N/A** A

Power : **N/A** Watt

Cos φ : **N/A**

→ Driver losses : **N/A** %

→ LEDS & Driver light efficiency :

N/A lm/W

Description :

Flux @25°/350mA - pcb Voltana 0 - 6 Samsung LH351C - pcb N°2

Comment :

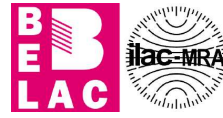
FORM-L-41 ED1 REV 2



226 - TEST

Approved by :

LED 2019/52 2/3



Colorimetry

File Preset Options Extra Calibration Info

Preset: CRI

Auto: ref: illuminant - Planckian radiator, CCT= 3859 K

Auto: ref: illuminant - Planckian radiator, CCT= 3859 K

Chromaticity difference DC= 6.2E-4

JIS color sample

Auto: ref: illuminant - Planckian radiator, CCT= 3859 K

Transfer data to table auto

Luminance L_v 1.898E+2 $\frac{cd}{m^2}$

Radiance L_e 5.383E-1 $\frac{W}{m^2 \cdot sr}$ (380-780nm)

Corr. Color Temp CCT 3859 K

Chromaticity x 0.3864 y 0.3793

Chromaticity u' 0.2280 v' 0.5036

Target

Calibration File: #1 no accessory

Measurement Mode: Radiance

Weighting Function: None

Average 1

Measurement

Cont. 10

Hold Integration Time

Quick mode

QUIT