

ใบรับรองเครื่องวัดแสง



INTERNATIONAL TESTING SERVICE CO., LTD
 1213/388 Ladprao 94 Ladprao Rd. Wangtonglang Bangkok 10310
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Request No : C-1307 - 302

Laboratory No.: CAL - 302

Serial No. : 11067316

Results :

UUC Range	Standard (lx)	UUC Reading (lx)		Correction (lx)	Uncertainty of Measurement (± lx)
		Before adjust	After adjust		
Auto	0	00.0	00.0	0.0	0.6
	100	85.5	103.9	- 3.9	1.4
	500	410	500	0	7.0
	1000	821	1000	0	14.0
	1500	1224	1499	+ 1	21.0
	2000	1634	1994	+ 6	28.0

Calibration result approved by

(Mr. Yuttana Tholueng)



Approved on behalf of
International Testing Service Co., Ltd

(Mr. Pichit Vivat-Anant)

Managing Director

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CALIBRATION CERTIFICATE

Issued date : 11 July 2013

Client Name : **FACULTY OF ENVIRONMENT AND RESOURCE STUDIES, MAHIDOL UNIVERSITY.**

Address : 999 Moo 5, Phuttamonthon Soi 4 Rd., Phutthamonthon, Salaya, Nakorn Pathom 73170.

Request No : **C-1307 - 302**Laboratory No.: **CAL - 302**

Date of Request : 10 July 2013.

Date of Calibration : 10 July 2013.

1. Unit Under Calibration (UUC) :

Nomenclature : Auto Ranging Light Meter

Serial No.: 11067316

Maker : CEM

Model : DT-1309

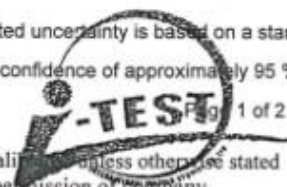
2. Place of Calibration : Photometry Standard Laboratory, INTERNATIONAL TESTING SERVICE CO., LTD.**3. Range of Calibration :** 1 Range**4. Condition of Laboratory :** Ambient temperature : 25 ± 2 °C and relative humidity 60 ± 20 %.**5. Reference Standard :** Standard Tungsten Halogen Lamp , Serial No.: 504007 , which was calibrated on 27 May 2013, can be traceable to International System of Unit (SI) through National Institute of Metrology (Thailand), Certificate No.: PP-1010-13.**6. Support Equipment :**

1. Photometric bench , 6.3 meter long.
2. DC. power supply, Serial No.: EJ 19A 009, Model : GPR-25H 300 , Maker : GW INSTEK.
3. Digital Multimeter , Model : 34401A , S/N : MY44011212 and MY44011215.
4. Foot Candle / Lux Meter , Model : 407026, S/N : Q 558437, Maker : EXTECH.

7. Calibration Procedure :

The measurement was done in accordance with WI-CP-01. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95 %.

The Results shown in this certification report refer only to the equipment(s) calibrated, unless otherwise stated. This Calibration Certificate cannot be reproduced, except in full, without permission of company.



เครื่องวัดแสงจะต้องมีมาตรฐาน

