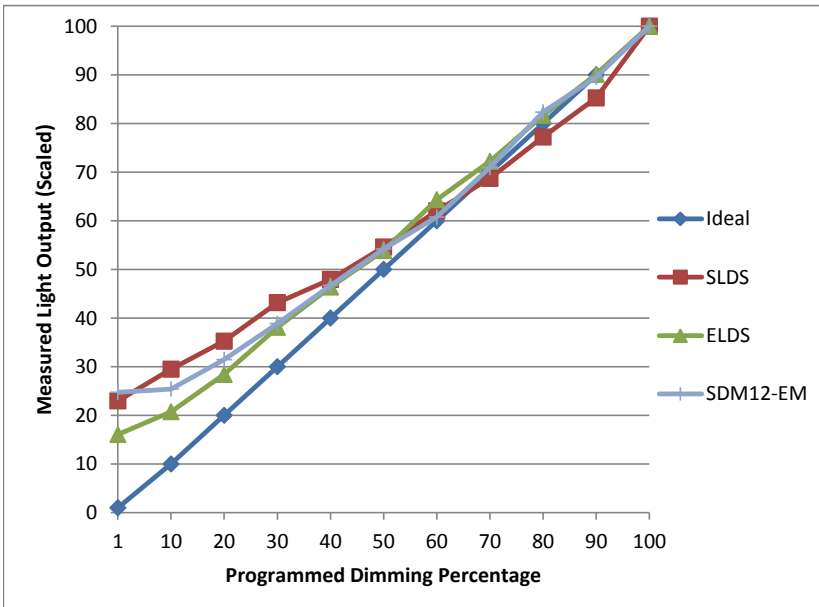


Manufacturer CREE
Model CR100-DR630L
Description 100mm Downlight, 220-240V
Driver Internal
Nominal Power (W) 11
Dimming Control Phase-modification, both forward- and reverse-phase
Product Range
Test Date 2/12/2013

Dimmer Tested Against:	SLDS	ELDS	SDM12-EM
Pass/Fail	Pass	Pass	Pass
Best-Fit Power Profile:			
Minimum ON	1	1	5
Maximum ON	98	75	90
Adjust	50	100	100
Light Output Range (vs. non-dimmed)			
Maximum (Perceived)	95.1%	94.8%	95.6%
Minimum (Perceived)	21.9%	15.2%	23.7%
Minimum (Measured)	4.8%	2.3%	5.6%

Linearity Curves (Best-fit Power Profile Applied):



Observations:

Cross-sample consistency is better with reverse-phase dimming than forward-phase.

Popcorn effect observable: one sample will turn on before the other.

Pop-on, pop-off effects observable: When a light turns on or off, there is some transitional flashing observable.

Slight hysteresis is observable: the light output observable at a fixed dimming preset will vary depending on previous state of light, whether on or off and if on, whether previously at a relatively lower brightness level or higher brightness level.

Stepping is observable during fades and ramps. Could be interpreted as flicker except that nearly no steady-state flicker is observable.