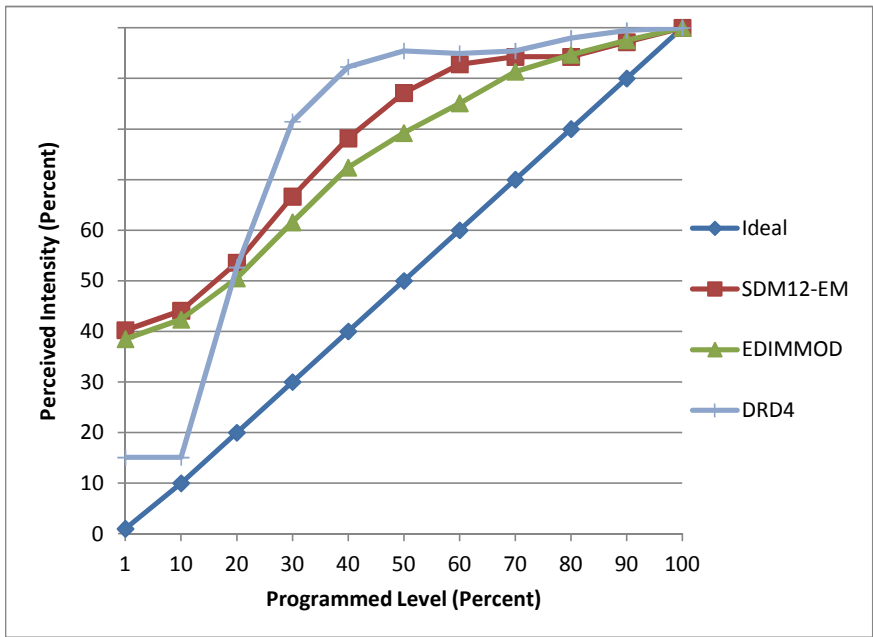


Manufacturer AmTRAN Video Corporation (AVC)
Model LBA19N40D1U
Description A19 LED Replacement for 40W Incandescent
Driver Internal
Nominal Power (W) 8.5
Dimming Control Not stated, appears both forward- and reverse-phase
Product Range
Test Date 6/3/2013

Dimmer Tested Against:	SDM12-EM	EDIMMOD	DRD4
Pass/Fail	Pass	Pass	Fail
Best-Fit Power Profile:			
Minimum ON	12	10	
Maximum ON	70	60	
Adjust	100	100	
Light Output Range (vs. non-dimmed)			
Maximum (Perceived)	96.5%	96.7%	100.0%
Minimum (Perceived)	38.8%	37.2%	15.1%
Minimum (Measured)	15.1%	13.9%	2.3%

Linearity Curves (Best-fit Power Profile Applied):

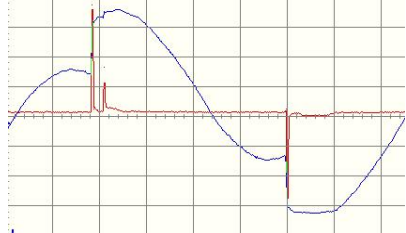


Observations:

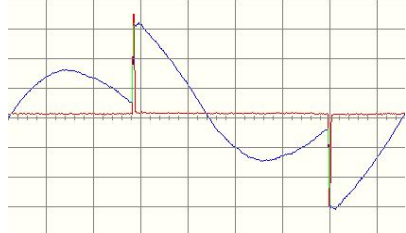
Flicker is observable at the low end, with no clear distinction to make the low-end adjustment. The selected point is arbitrary, as flicker has not been eliminated entirely, but the trade-off is continued rise in dimming floor. DRD4 test failed because light stays on when turned off (likely due to snubber bleed-through). Might be solved with multiple lamps on dimmer, but only one sample was provided, so cannot state minimum quantity.

Forward-phase

100% Dim Level Waveform Capture

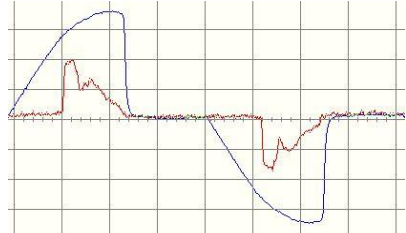


50% Dim Level Waveform Capture



Reverse-phase

100% Dim Level Waveform Capture



50% Dim Level Waveform Capture

