

UMSUG TEST REPORT

Report Number: TLR 128

Issued on 23 08 2016



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8297

Customer Details

Signature Ltd
Signature House
Hainge Road
Tividale, OLDBURY
West Midlands, B69 2NY
United Kingdom

Customer Reference

TLR 128

Product Tested

The following electrical testing was carried out on the below mentioned product.

Product Code Number	LED-8039-4000K - ***
Product Description	18W LED RETROFIT LAMP

Date Received: 20 08 2016

Test Specification

Measurement of power consumption in accordance with "Unmetered Supplies Operational Information Document Version 15.0 (15th June 2016)".

Date & Sign

Date Tested: 23 08 2016

Test Conducted By: Kishan Ram (Laboratory Manager)

Signature: 

Approved By: Kishan Ram (Laboratory Manager)

Signature: 

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Test Conditions

Tests were performed in the following controlled laboratory conditions.

1. Room ambient @ 20 +/- 2 degrees Celsius
2. Fitting assembly tested in free-air
3. Accuracy of the measurements +/-2%

Test Equipment Used

Tests were performed using the following equipment.

1. UMSUG Testing Machine
2. VARIAC (within calibration date)
3. Fluke 43B Power Quality Analyser (within calibration date)
4. Fluke i30 Current Clamp Meter (within calibration date)

Product Illustration

The picture below illustrates the product to be tested.



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Test Data

The below tables provide the power test analysis on 5 samples of the product.

Sample No.1	Voltage	Watts	VA
	210	18.7	19.5
	220	18.70	19.50
	230	18.80	19.60
	240	18.80	19.80
	250	19.00	21.10

Sample No.2	Voltage	Watts	VA
	210	18.30	19.30
	220	18.50	19.30
	230	18.40	19.60
	240	18.50	19.70
	250	18.60	19.90

Sample No.3	Voltage	Watts	VA
	210	18.90	19.60
	220	18.90	19.70
	230	18.90	19.90
	240	18.80	19.80
	250	18.90	20.00

Sample No.4	Voltage	Watts	VA
	210	18.40	19.10
	220	18.40	19.20
	230	18.40	19.40
	240	18.50	19.60
	250	18.60	19.80

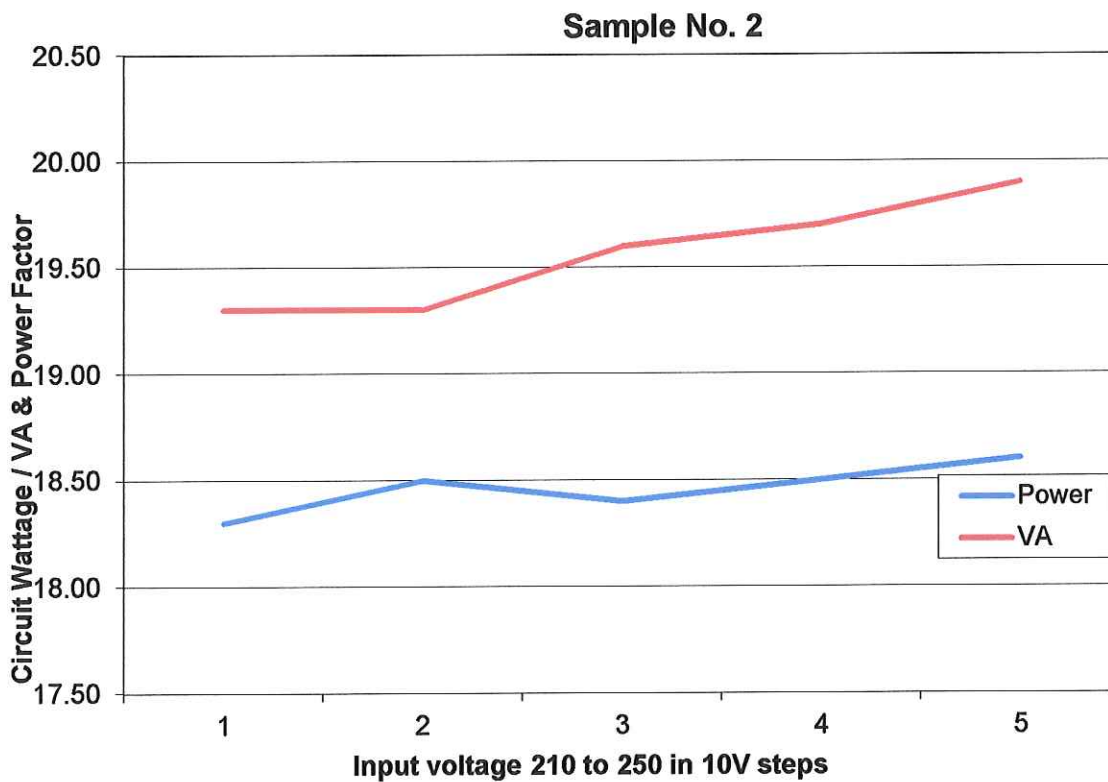
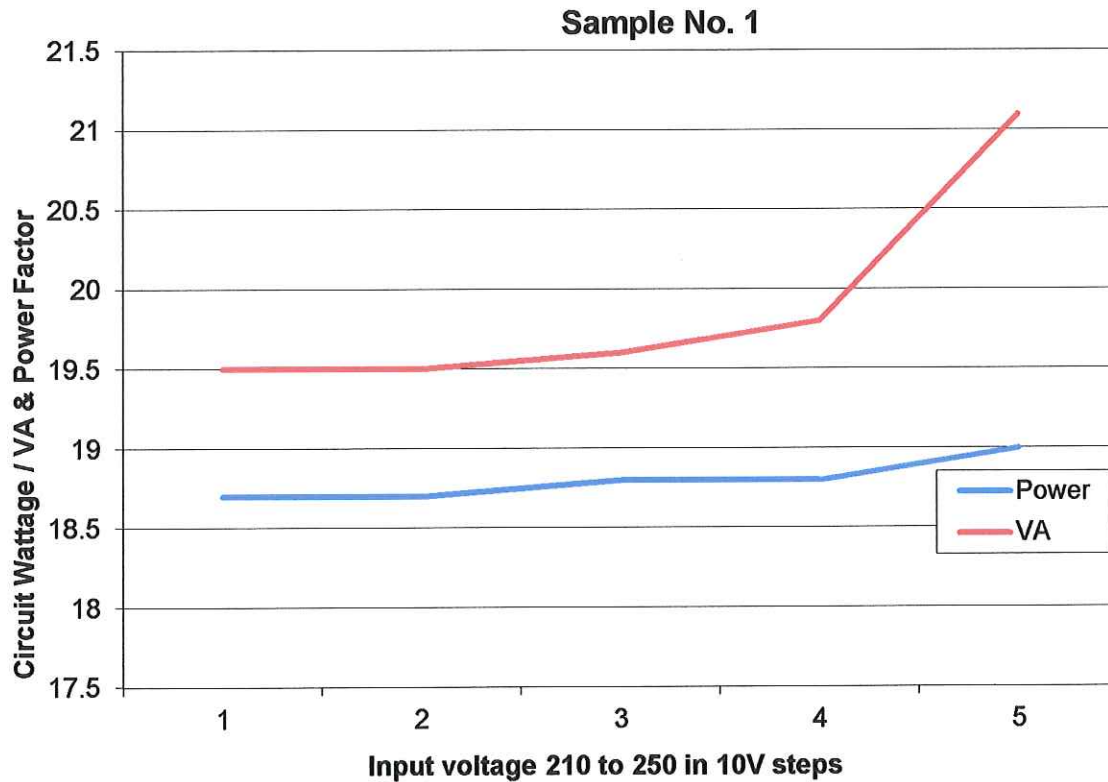
Sample No.5	Voltage	Watts	VA
	210	18.50	19.10
	220	18.50	19.20
	230	18.50	19.40
	240	18.60	19.70
	250	18.70	19.90

Graphs of Circuit Wattage Vs Circuit Voltage for each of the 5 Product Samples

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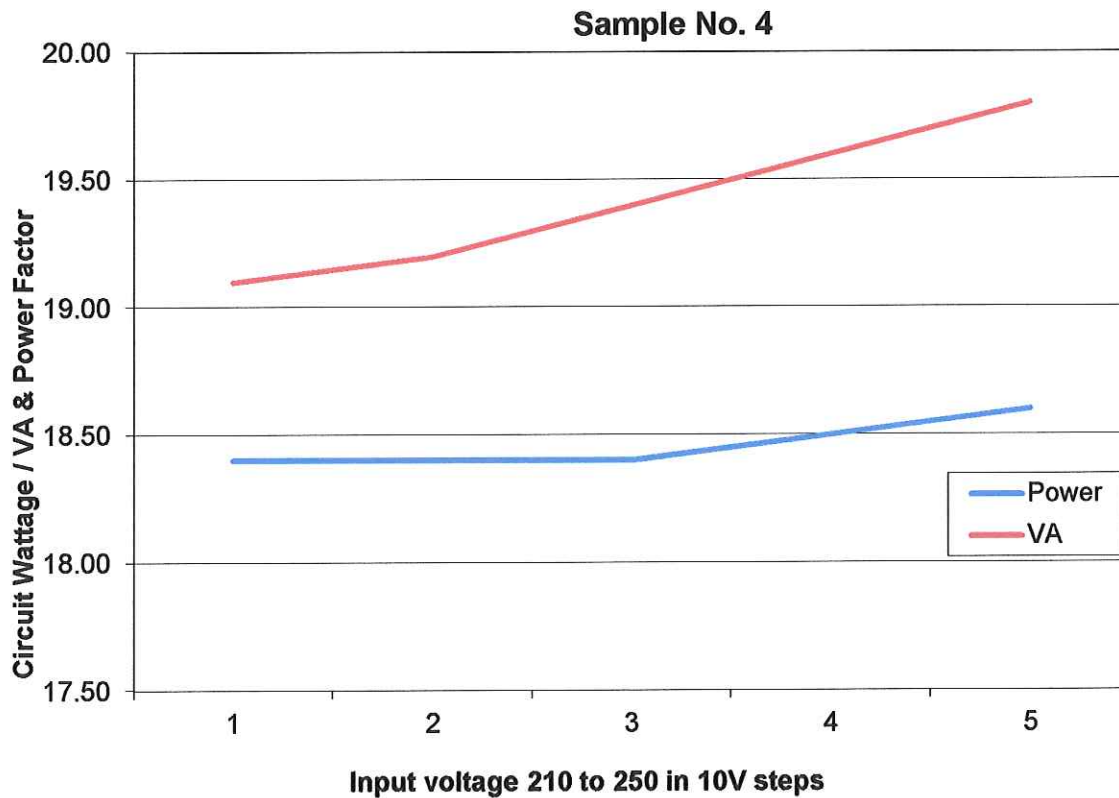
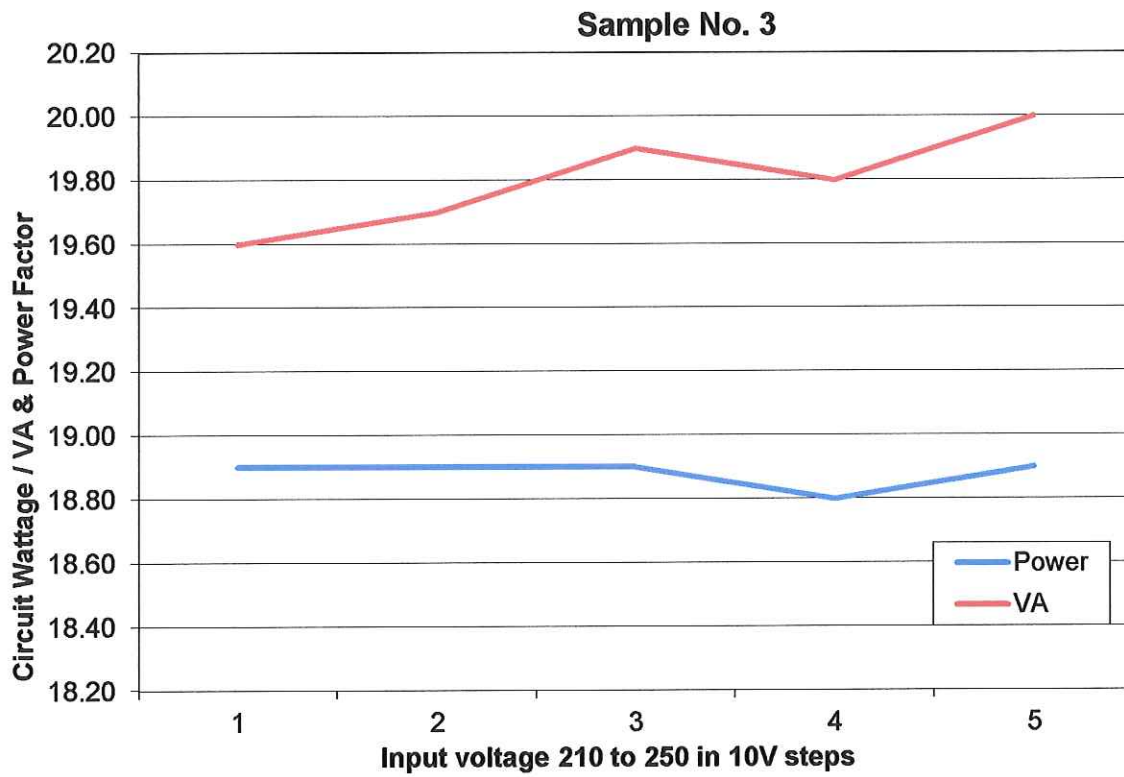
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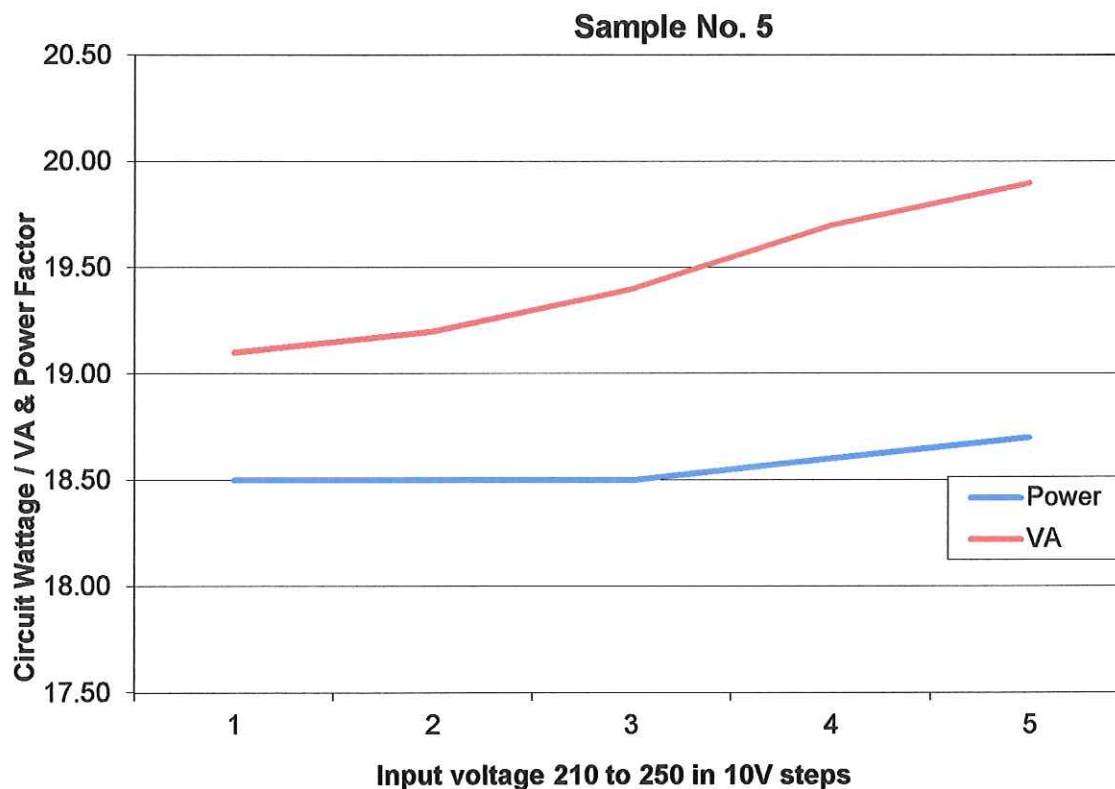
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Conclusion

The above tests have been completed in accordance with the requirements of:

1. Elexon Guide to Unmetered Supplies under the BSC (version 15); and
2. Signature Ltd Testing Schedule 8297 (version 002).

The results are compliant.

END OF TEST REPORT