

**UMSUG TEST REPORT**

Report Number: TLR 123

Issued on 30/06/2015



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8297

**Customer Details**

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

**Customer Reference**

TLR123

**Product Tested**

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

<b>Product Code Number</b>	<b>OP-PEDX-6M-5315-NW-X-X-XX</b>
<b>Product Description</b>	<b>OP PED X 6M Lantern 5315 Lumens Neutral White</b>

Date Received: 09/04/2015

**Test Specification**

Measurement of power consumption in accordance with "Unmetered Supplies Operational Information Document Version 14.0 (17<sup>th</sup> December 2014)".

**Date & Sign**

Date Tested: 23/04/2015

Test Conducted By: Kishan Ram (Laboratory Manager)

Signature: 

Approved By: Kishan Ram (Lab Manager) / Simon Smith (QA)

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%

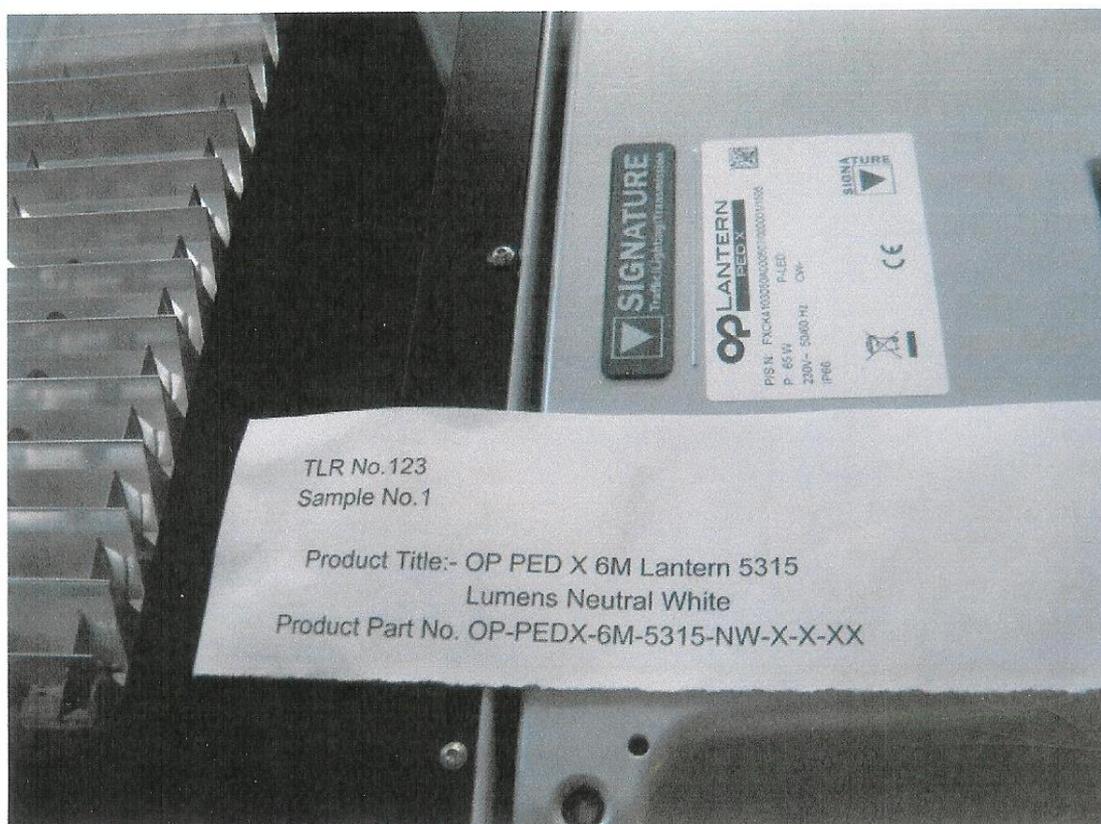
## Test Equipment Used

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	Power Factor
	210	31.60	32.30	0.98
	220	31.70	32.50	0.98
	230	31.80	32.60	0.98
	240	31.90	32.80	0.97
	250	32.00	33.00	0.97

Sample No.2	Voltage	Watts	VA	Power Factor
	210	31.60	32.30	0.98
	220	31.70	32.40	0.98
	230	31.70	32.50	0.98
	240	31.90	32.80	0.97
	250	31.90	32.90	0.97

Sample No.3	Voltage	Watts	VA	Power Factor
	210	31.80	32.50	0.98
	220	31.80	32.60	0.98
	230	31.90	32.70	0.97
	240	32.00	32.90	0.97
	250	32.10	33.10	0.97

Sample No.4	Voltage	Watts	VA	Power Factor
	210	31.70	32.30	0.98
	220	31.80	32.50	0.98
	230	31.90	32.60	0.98
	240	32.00	32.80	0.98
	250	32.10	33.00	0.97

Sample No.5	Voltage	Watts	VA	Power Factor
	210	31.90	32.60	0.98
	220	32.00	32.70	0.98
	230	32.10	32.90	0.98
	240	32.20	33.10	0.97
	250	32.30	33.30	0.97

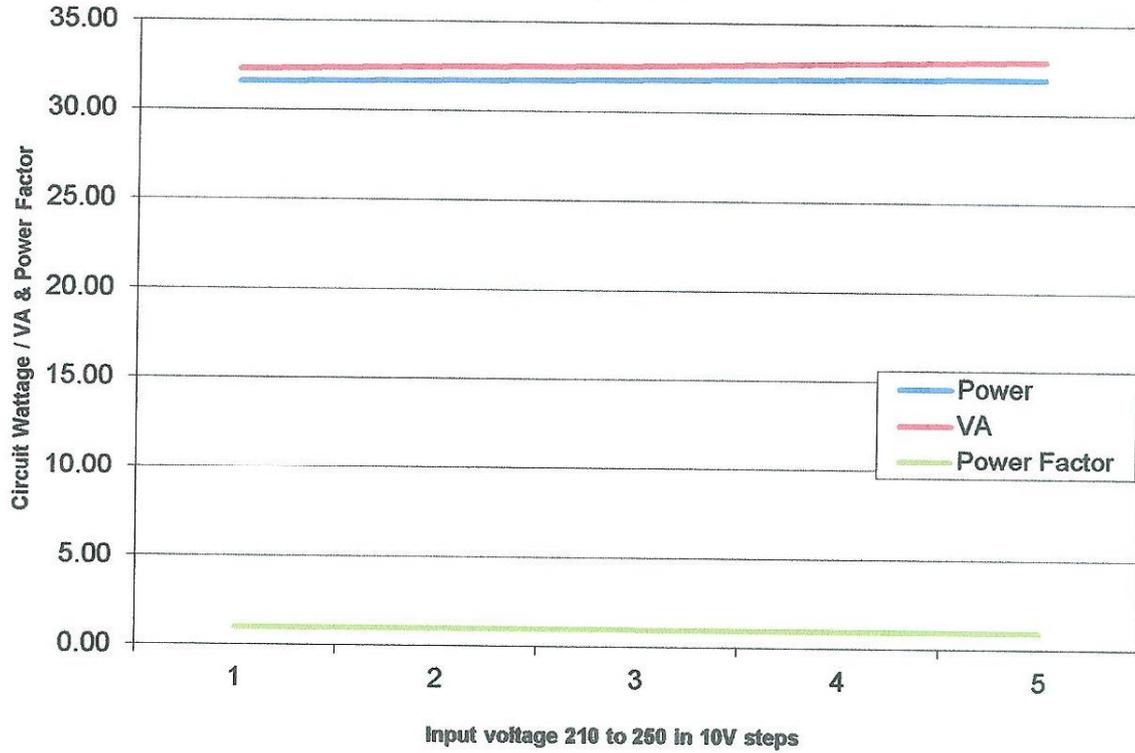
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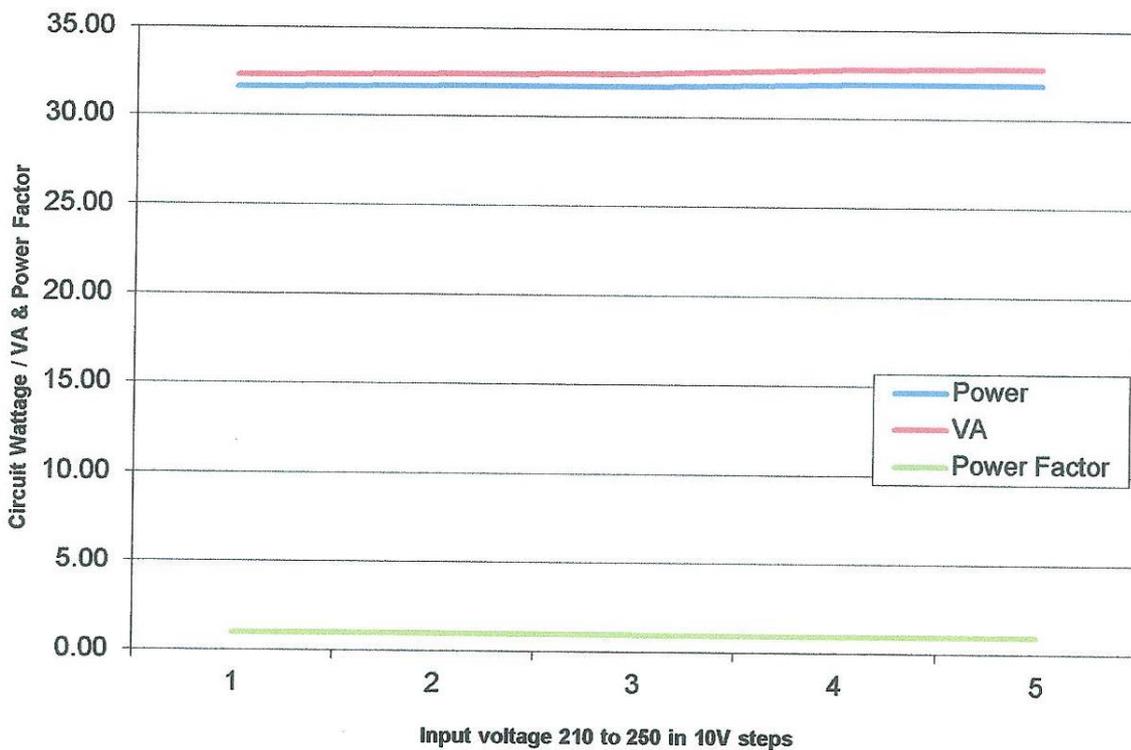
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## Graphs of Circuit Wattage Vs Circuit Voltage for each of the 5 Product Samples

Sample No. 1



Sample No. 2

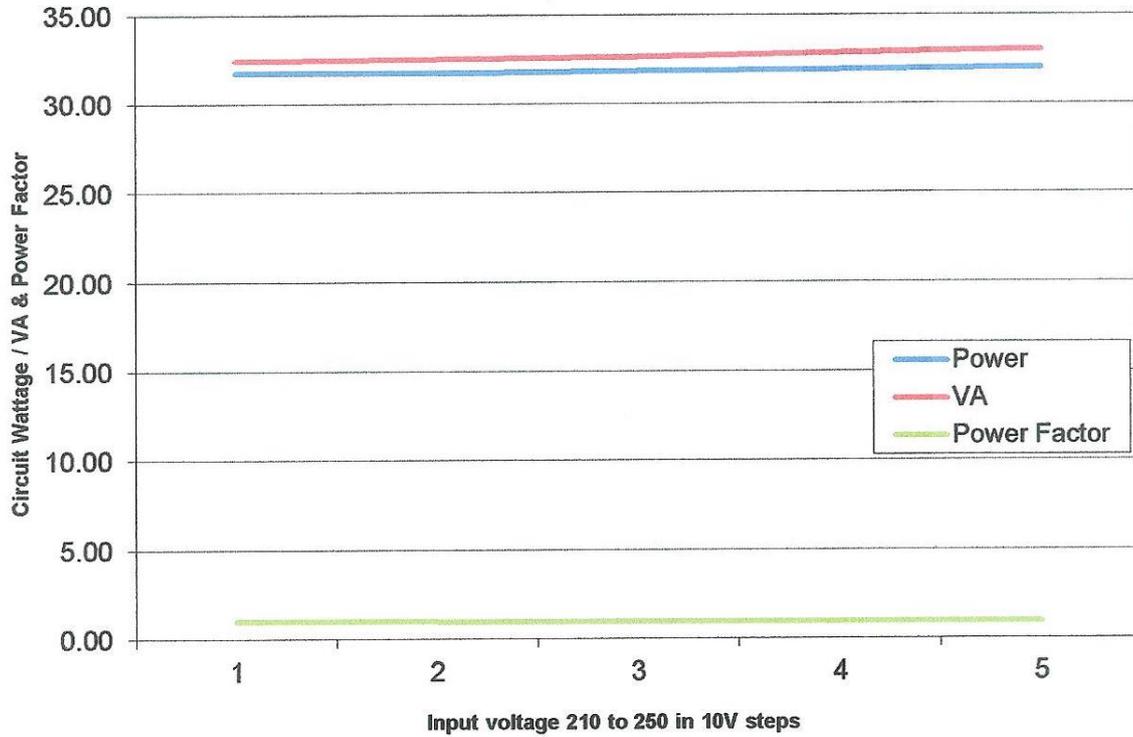


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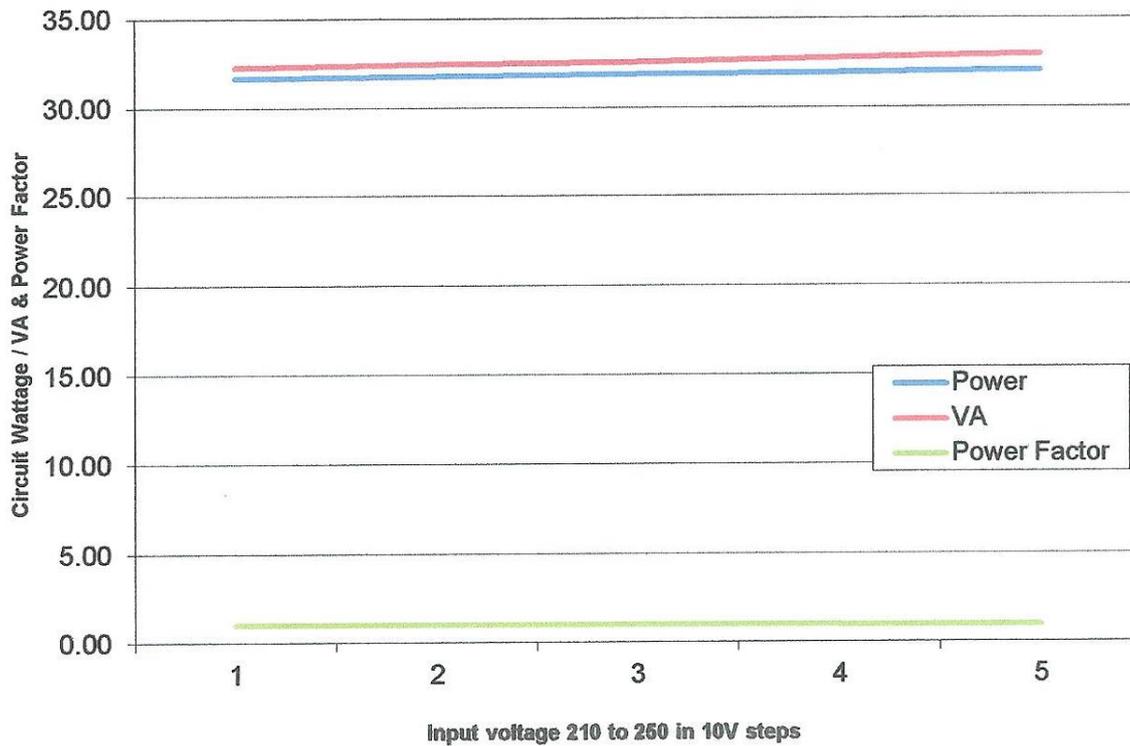
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## Sample No. 3



## Sample No. 4

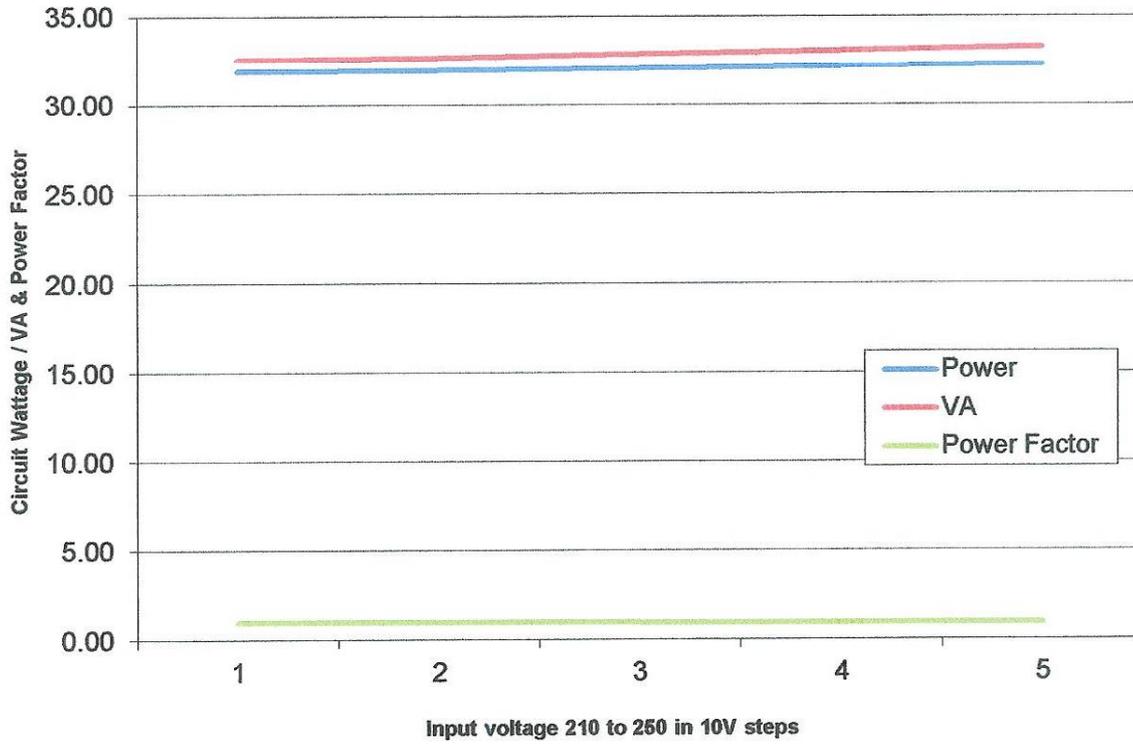


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## Sample No. 5



END OF TEST REPORT