

T e s t R e p o r t

Report No : L15747

Client: : Aura Light UK
Waterloo House
Waterloo Road
Ketley Business Park
Ketley
Telford
TF1 5JD

Description : Indico Street Lanterns 120W

Manufacturer : Not Disclosed

Type/Model : 0400969

Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 14.0 (17/12/2014)

Date Testing Started : 15/04/2016

Conclusion : Refer to body of report

Date of Issue : 25/04/2016

Date of Expiry : 24/04/2021

Tested by: M.ALI
Position: Photometry Engineer



Approved: J.ADAMS
Position: Laboratory Supervisor



INTRODUCTION

Aura Light UK has supplied the product identified in table 1 for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 14.0 (17/12/2014).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	Indico Street Lanterns 120W
Model No.	0400969
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	700mm x 300mm x 130mm
Product Supply Requirement	240V 50Hz
Lamp Type and Power	120W LED
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

The customer has declared that the equipment load does not vary with ambient temperature.

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RESULTS

Table 2. Wattage and VA results for Indico Street Lanterns 120W

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	119.00	119.05	114.27	115.55	114.46
220	118.85	118.93	114.12	115.40	114.31
230	118.75	118.83	113.99	115.25	114.21
240	118.67	118.78	113.94	115.18	114.14
250	118.62	118.73	113.89	115.13	114.11
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	120.49	120.59	115.84	117.08	116.00
220	120.60	120.76	115.97	117.20	116.13
230	120.81	120.98	116.16	117.37	116.33
240	121.05	121.27	116.45	117.64	116.61
250	121.36	121.62	116.78	117.97	116.95
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.99	0.99	0.99	0.99	0.99
220	0.99	0.98	0.98	0.98	0.98
230	0.98	0.98	0.98	0.98	0.98
240	0.98	0.98	0.98	0.98	0.98
250	0.98	0.98	0.98	0.98	0.98
Ambient Temperature During Test (°C)			24.5		
PF Leading/Lagging			Leading		

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

MEASUREMENT UNCERTAINTY

The following expanded uncertainties apply to the measurements shown in the results;

True Power (W): $\pm 0.69\%$, Apparent Power (VA): $\pm 0.61\%$

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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ILLUSTRATION



Figure 1. Product image

End