



T e s t R e p o r t

Report No : L14064
Client: : Venture Lighting Europe Limited
Unit 11
Willow Farm Business Park
Castle Donnington, DE74 2US
Description : Ventronic 250W HPS Dali Ballast with HPSE 250W/E40/HO Lamp
Manufacturer : Not Disclosed
Type/Model : VSB250DP2
Test Specification : Measurement of power consumption in accordance with the "Unmetered Supplies Operational Information" document – Version 12.0 (29/11/12)
Date Tested : 24/02/14
Conclusion : Refer to body of Report
Date of Issued : 24/02/14
Date of Expiry : 24/02/14

Tested by: J.ADAMS
Position: Laboratory Supervisor

Approved by: K.GOVINDEN
Position: Technical Manager



These test results relate only to the unit(s) tested. This Report and any subsequent report(s) may not be reproduced except in full without the written approval of the Testing Laboratory.

INTRODUCTION

Venture Lighting Europe Ltd has supplied the product identified in table 1 for measurement of power consumption in accordance with the "Unmetered Supplies Operational Information" document – Version 12.0 (29/11/12).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	Ventronic 250W HPS Dali Ballast
Model No.	VSB250DP2
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	N/A
Product Supply Requirement	220-240Vac
Lamp Type and Power	HPSE 250W/E40/HO
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

RESULTS

Table 2. Wattage and VA results for 50%

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	132.47	133.27	133.50	132.48	133.43
220	132.49	133.28	133.49	132.45	133.39
230	132.59	133.35	133.49	132.47	133.41
240	132.60	133.38	133.47	132.44	133.36
250	132.56	133.36	133.47	132.48	133.40

VA

Voltage	Sample Number				
	1	2	3	4	5
210	137.99	138.68	138.90	138.02	138.86
220	139.02	139.69	139.88	139.01	139.82
230	140.17	140.79	140.93	140.01	140.89
240	141.44	142.05	142.12	141.30	142.06
250	142.80	143.41	143.50	142.81	143.54

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Table 3. Wattage and VA results for 75%

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	199.55	200.07	200.23	199.38	200.07
220	199.18	199.85	200.06	199.39	200.01
230	199.07	199.88	199.83	199.29	199.96
240	198.83	199.82	199.64	198.92	199.66
250	198.78	199.65	199.67	199.00	199.60

VA

Voltage	Sample Number				
	1	2	3	4	5
210	203.38	203.86	203.98	203.26	203.91
220	203.84	204.45	204.63	204.07	204.62
230	204.63	205.36	205.28	204.88	205.47
240	205.39	206.28	206.08	205.75	206.11
250	206.48	207.24	207.23	206.78	207.26

Table 4. Wattage and VA results for 100%

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	267.96	268.45	269.00	268.31	268.78
220	268.09	267.75	268.94	267.92	267.84
230	267.31	267.97	267.97	267.30	267.67
240	267.04	267.93	267.73	266.99	267.66
250	266.82	267.52	267.55	267.10	267.28

VA

Voltage	Sample Number				
	1	2	3	4	5
210	270.73	271.21	271.70	271.05	271.51
220	271.49	271.15	272.28	271.34	271.25
230	271.48	272.11	272.06	271.49	271.83
240	272.10	272.93	272.70	272.09	272.72
250	272.87	273.51	273.50	273.16	273.28

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

MEASUREMENT UNCERTAINTY

Equipment number 280 uncertainty of measurement for AC voltage $\pm 0.01\%$

Equipment number 280 uncertainty of measurement for AC current $\pm 0.03\%$

Equipment number 280 uncertainty of measurement for AC power $\pm 0.08\%$

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ILLUSTRATION



Figure 1. *Image of tested samples*

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