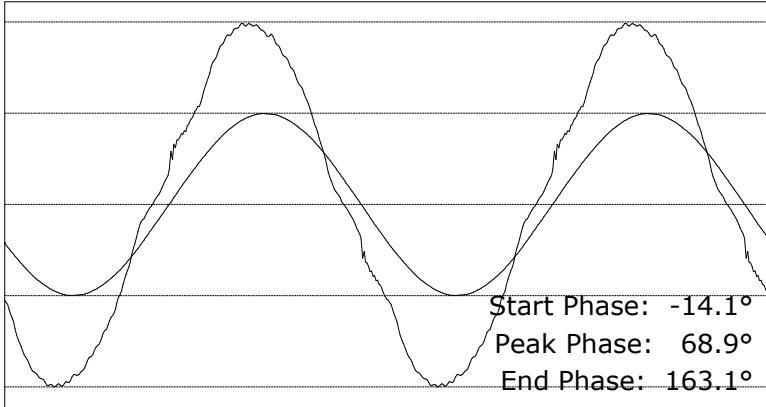
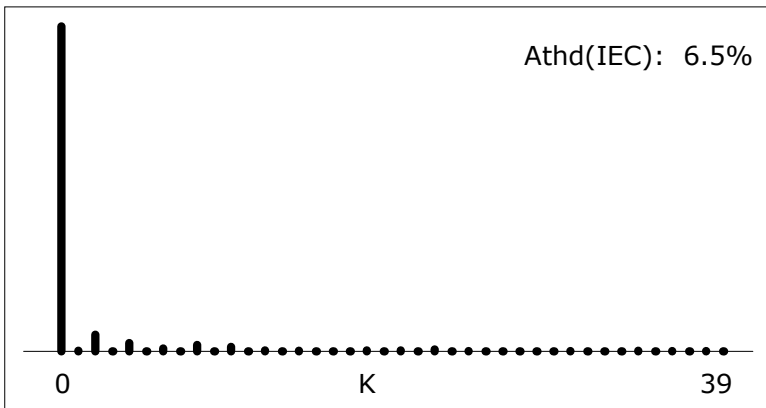
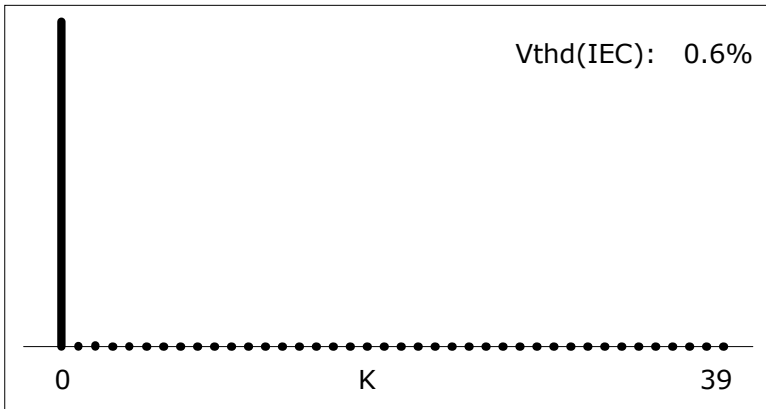


Input Characteristics Test Report [Narrow Band]

Voltage 232.58(V)      Current 0.1433(A)      Power 32.25(W)      Power Factor 0.9674      Frequency 50.00(Hz)



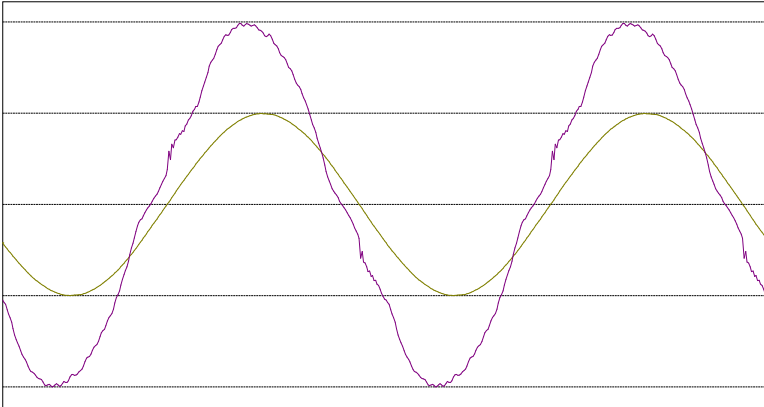
Spectrum(k)	Voltage	Current
0	0.0%	0.4%
1	100.0%	100.0%
2	0.2%	0.3%
3	0.4%	5.2%
4	0.1%	0.1%
5	0.1%	2.6%
6	0.0%	0.0%
7	0.0%	1.0%
8	0.0%	0.0%
9	0.1%	2.0%
10	0.0%	0.1%
11	0.1%	1.4%
12	0.0%	0.0%
13	0.0%	0.4%
14	0.0%	0.0%
15	0.1%	0.2%
16	0.0%	0.0%
17	0.0%	0.1%
18	0.0%	0.0%
19	0.0%	0.4%
20	0.0%	0.0%
21	0.1%	0.4%
22	0.0%	0.0%
23	0.0%	0.6%
24	0.0%	0.0%
25	0.1%	0.1%
26	0.0%	0.0%
27	0.0%	0.0%
28	0.0%	0.0%
29	0.0%	0.0%
30	0.0%	0.0%
31	0.0%	0.2%
32	0.0%	0.0%
33	0.0%	0.1%
34	0.0%	0.0%
35	0.0%	0.2%
36	0.0%	0.0%
37	0.0%	0.1%
38	0.0%	0.0%
39	0.0%	0.1%



Type:LED 0124.W.U941.6.60078.800mA      Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC      Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:      Inspector:  
 Test Time:2016-11-18

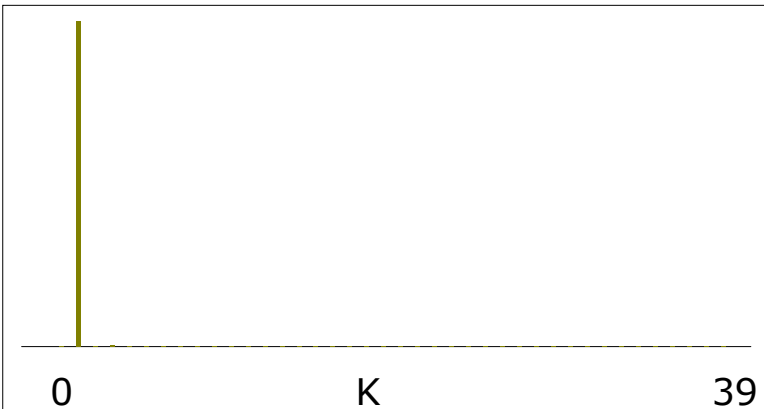
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
232.58(V)	0.1433(A)	32.25(W)	0.9674	50.00(Hz)

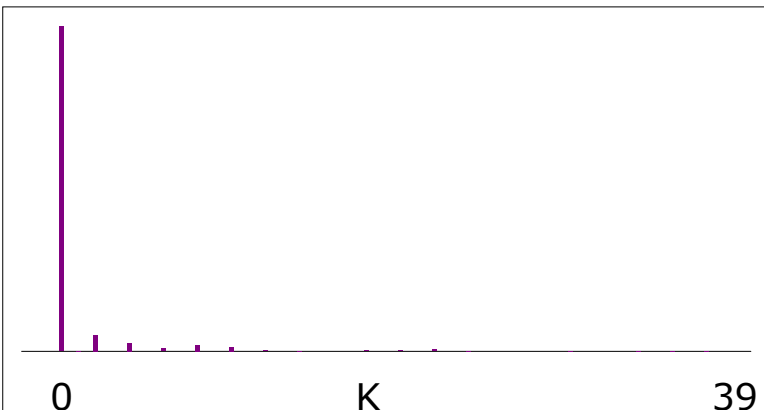


**Voltage**  
Sensitivity: 330.64 V/Div  
Peak: 330.64 V

**Current**  
Sensitivity: 0.1057 A  
Peak: 0.2114 A  
Start Phase: -14.1°  
Peak Phase: 68.9°  
End Phase: 163.1°



**Voltage Spectrum**  
THD(IEC): 0.55%  
H3: 0.44%  
H5: 0.13%  
H7: 0.04%  
H9: 0.06%



**Current Spectrum**  
THD(IEC): 6.5%  
H3: 5.15%  
H5: 2.59%  
H7: 0.95%  
H9: 2.03%

## Input Characteristics Test Report [Narrow Band] (Cont.)

Voltage: 232.58(V)

VCF: 1.422

Vthd(IEC): 0.55%

## Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.07
1	100.00%	232.58
2	0.23%	0.54
3	0.44%	1.03
4	0.10%	0.23
5	0.13%	0.29
6	0.02%	0.05
7	0.04%	0.10
8	0.01%	0.02
9	0.06%	0.14
10	0.01%	0.02
11	0.06%	0.14
12	0.01%	0.02
13	0.04%	0.09
14	0.01%	0.02
15	0.08%	0.20
16	0.00%	0.01
17	0.03%	0.07
18	0.01%	0.02
19	0.02%	0.04
20	0.01%	0.01
21	0.05%	0.12
22	0.00%	0.01
23	0.05%	0.11
24	0.00%	0.01
25	0.06%	0.15
26	0.01%	0.02
27	0.01%	0.03
28	0.01%	0.01
29	0.02%	0.04
30	0.01%	0.01
31	0.01%	0.02
32	0.00%	0.01
33	0.02%	0.04
34	0.00%	0.01
35	0.01%	0.02
36	0.00%	0.00
37	0.01%	0.02
38	0.00%	0.00
39	0.00%	0.01

Current: 0.1433(A)

ACF: 1.475

Athd(IEC): 6.47%

## Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.40%	0.02
1	100.00%	4.43
2	0.26%	0.01
3	5.15%	0.23
4	0.10%	0.00
5	2.59%	0.11
6	0.01%	0.00
7	0.95%	0.04
8	0.04%	0.00
9	2.03%	0.09
10	0.05%	0.00
11	1.40%	0.06
12	0.04%	0.00
13	0.39%	0.02
14	0.02%	0.00
15	0.21%	0.01
16	0.01%	0.00
17	0.08%	0.00
18	0.03%	0.00
19	0.36%	0.02
20	0.02%	0.00
21	0.37%	0.02
22	0.01%	0.00
23	0.64%	0.03
24	0.00%	0.00
25	0.15%	0.01
26	0.03%	0.00
27	0.02%	0.00
28	0.02%	0.00
29	0.05%	0.00
30	0.02%	0.00
31	0.17%	0.01
32	0.01%	0.00
33	0.08%	0.00
34	0.02%	0.00
35	0.22%	0.01
36	0.01%	0.00
37	0.11%	0.01
38	0.02%	0.00
39	0.13%	0.01

Type:LED 0124.W.U941.6.60078.800mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-11-18

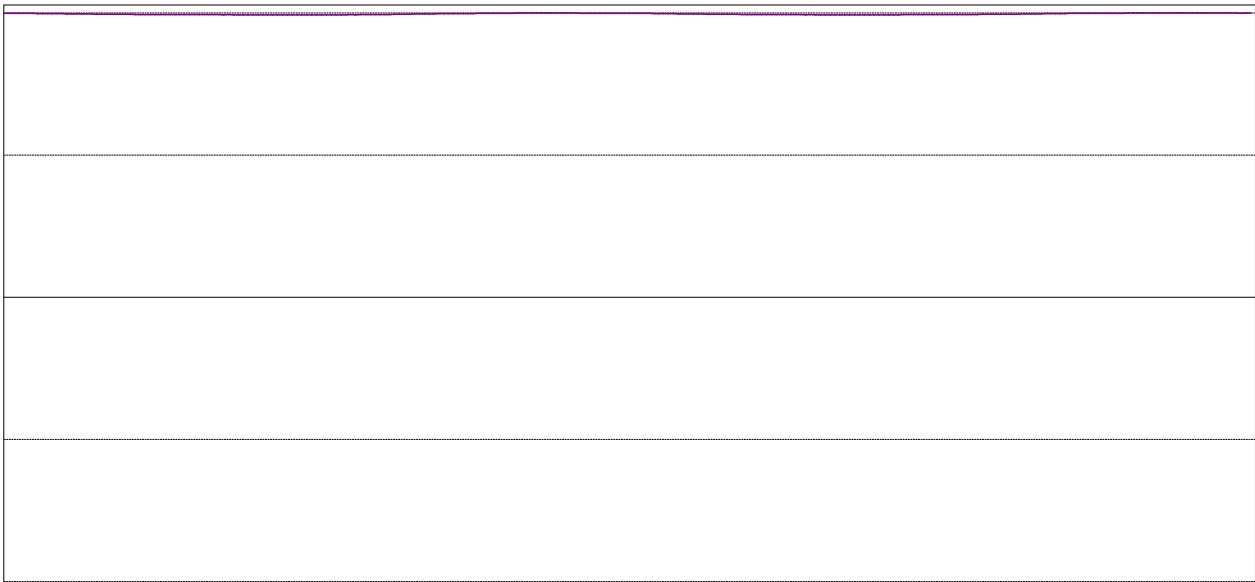
### Output

Lamp Voltage(rms):36.62V      Lamp Current(rms):0.7905A  
Power:28.95W      Ripple Current:0.000A      Energy Efficiency:0.898

#### Lamp Voltage Wave



#### Lamp Current Wave

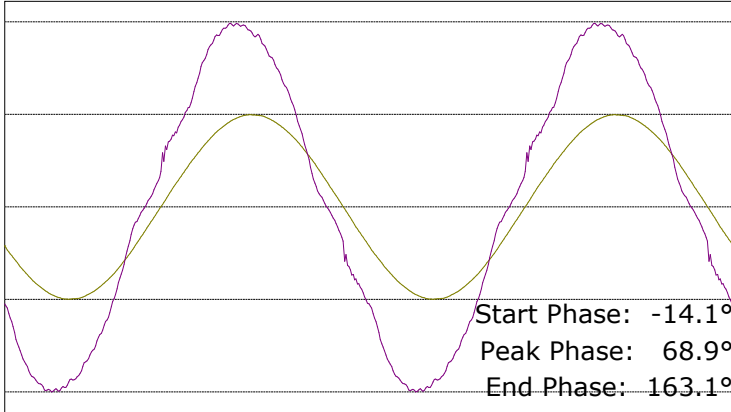


---

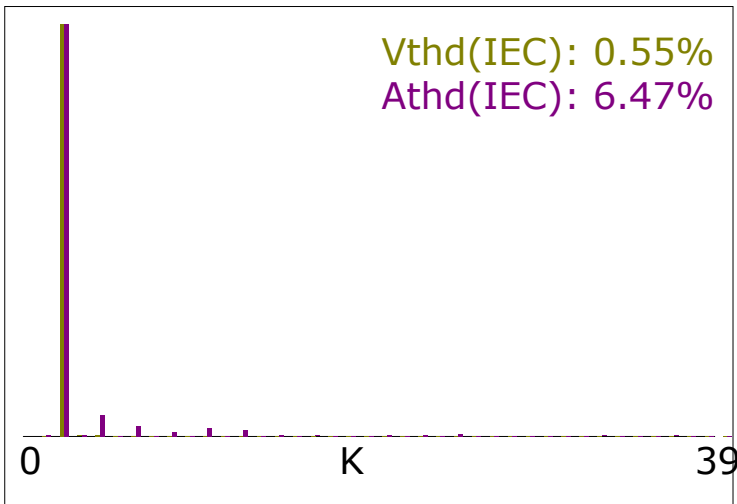
Type:LED 0124.W.U941.6.60078.800mA      Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-11-18

## Input & Output Characteristics Test Report

### Input Characteristics Test Report [Narrow Band]



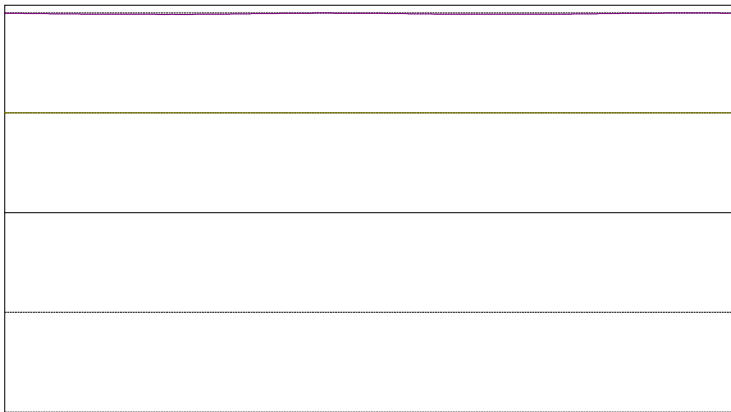
Voltage: 232.577(V)  
 VCF: 1.422  
 Vthd(IEC): 0.55%  
 Current: 0.143(A)  
 ACF: 1.475  
 Athd(IEC): 6.47%  
 Power: 32.2(W)  
 Power Factor: 0.9674  
 Frequency: 50.00(Hz)



Voltage Spectrum  
 H3: 0.44%  
 H5: 0.13%  
 H7: 0.04%  
 H9: 0.06%

Current Spectrum  
 H3: 5.15%  
 H5: 2.59%  
 H7: 0.95%  
 H9: 2.03%

### Output characteristics



Lamp Voltage(rms):36.62V  
 Lamp Current(rms):0.7905A  
 Power:28.95W  
 Ripple Current:0.000A  
 Energy Efficiency:0.898