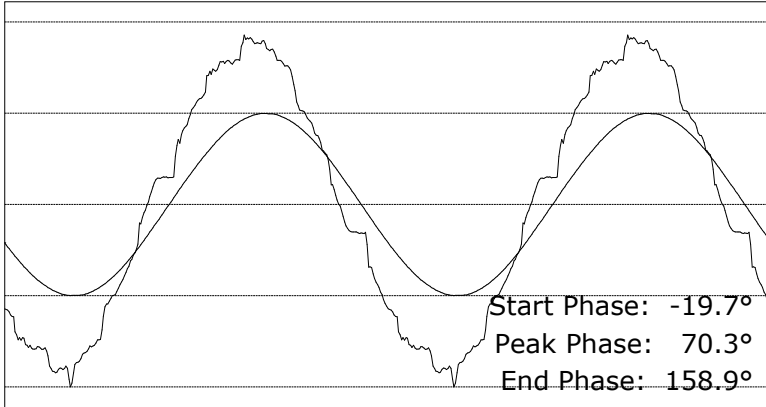
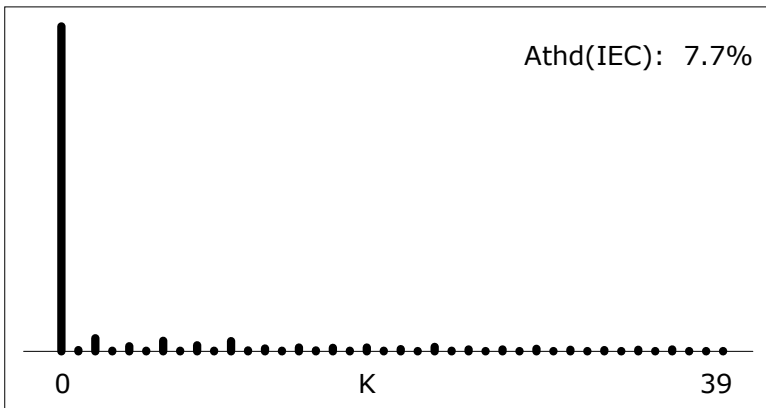
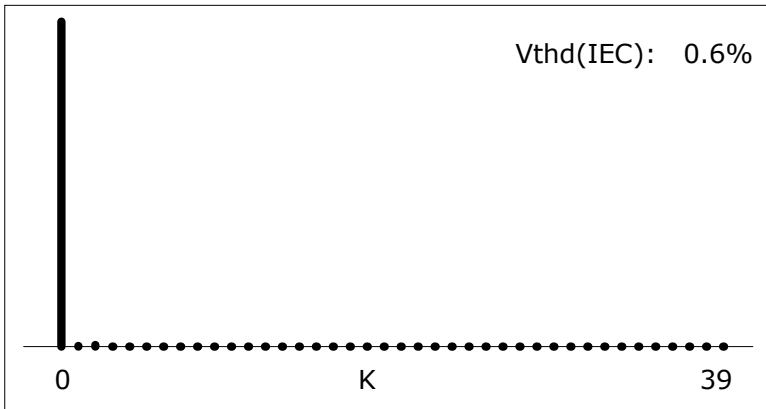


### Input Characteristics Test Report [Narrow Band]

Voltage 229.29(V)      Current 0.0426(A)      Power 9.38(W)      Power Factor 0.9602      Frequency 50.00(Hz)



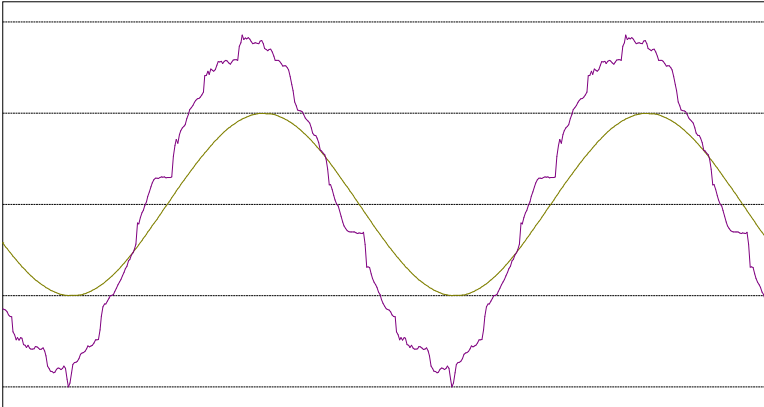
Spectrum(k)	Voltage	Current
0	0.0%	0.9%
1	100.0%	100.0%
2	0.2%	0.5%
3	0.5%	4.1%
4	0.1%	0.2%
5	0.0%	1.6%
6	0.0%	0.2%
7	0.0%	3.3%
8	0.0%	0.3%
9	0.0%	1.9%
10	0.0%	0.2%
11	0.0%	3.2%
12	0.0%	0.4%
13	0.0%	1.0%
14	0.0%	0.3%
15	0.1%	1.2%
16	0.0%	0.4%
17	0.0%	1.2%
18	0.0%	0.2%
19	0.0%	1.2%
20	0.0%	0.3%
21	0.0%	0.8%
22	0.0%	0.2%
23	0.0%	1.4%
24	0.0%	0.3%
25	0.0%	0.6%
26	0.0%	0.1%
27	0.0%	0.7%
28	0.0%	0.1%
29	0.0%	0.8%
30	0.0%	0.1%
31	0.0%	0.5%
32	0.0%	0.2%
33	0.0%	0.5%
34	0.0%	0.1%
35	0.0%	0.5%
36	0.0%	0.1%
37	0.0%	0.6%
38	0.0%	0.1%
39	0.0%	0.1%



Type:LED 0102.W.U141.6.60028.200mA      Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC      Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:      Inspector:  
 Test Time:2016-10-14

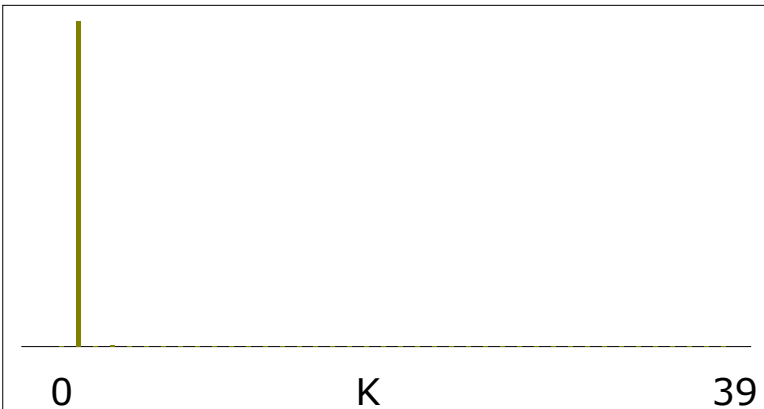
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.29(V)	0.0426(A)	9.38(W)	0.9602	50.00(Hz)

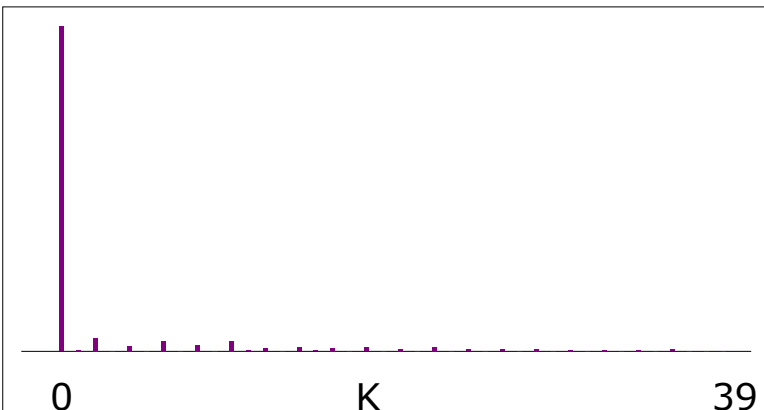


**Voltage**  
Sensitivity: 325.30 V/Div  
Peak: 325.30 V

**Current**  
Sensitivity: 0.0343 A  
Peak: 0.0686 A  
Start Phase: -19.7°  
Peak Phase: 70.3°  
End Phase: 158.9°



**Voltage Spectrum**  
THD(IEC): 0.56%  
H3: 0.50%  
H5: 0.03%  
H7: 0.03%  
H9: 0.01%



**Current Spectrum**  
THD(IEC): 7.7%  
H3: 4.13%  
H5: 1.63%  
H7: 3.33%  
H9: 1.94%

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

Voltage: 229.29(V)

VCF: 1.419

Vthd(IEC): 0.56%

## Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.04
1	100.00%	229.29
2	0.20%	0.45
3	0.50%	1.14
4	0.08%	0.17
5	0.03%	0.06
6	0.01%	0.02
7	0.03%	0.07
8	0.01%	0.02
9	0.01%	0.03
10	0.01%	0.02
11	0.04%	0.08
12	0.01%	0.02
13	0.01%	0.03
14	0.01%	0.02
15	0.07%	0.16
16	0.01%	0.02
17	0.02%	0.04
18	0.01%	0.02
19	0.03%	0.08
20	0.01%	0.02
21	0.03%	0.08
22	0.01%	0.02
23	0.01%	0.03
24	0.01%	0.02
25	0.04%	0.10
26	0.00%	0.01
27	0.03%	0.07
28	0.01%	0.02
29	0.00%	0.01
30	0.00%	0.01
31	0.02%	0.05
32	0.01%	0.02
33	0.02%	0.05
34	0.00%	0.00
35	0.02%	0.04
36	0.00%	0.00
37	0.01%	0.01
38	0.00%	0.00
39	0.01%	0.02

Current: 0.0426(A)

ACF: 1.609

Athd(IEC): 7.68%

## Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.95%	0.04
1	100.00%	4.53
2	0.45%	0.02
3	4.13%	0.19
4	0.23%	0.01
5	1.63%	0.07
6	0.23%	0.01
7	3.33%	0.15
8	0.26%	0.01
9	1.94%	0.09
10	0.25%	0.01
11	3.21%	0.15
12	0.35%	0.02
13	0.96%	0.04
14	0.27%	0.01
15	1.20%	0.05
16	0.36%	0.02
17	1.16%	0.05
18	0.21%	0.01
19	1.22%	0.06
20	0.26%	0.01
21	0.77%	0.03
22	0.18%	0.01
23	1.40%	0.06
24	0.25%	0.01
25	0.64%	0.03
26	0.13%	0.01
27	0.66%	0.03
28	0.14%	0.01
29	0.83%	0.04
30	0.14%	0.01
31	0.50%	0.02
32	0.15%	0.01
33	0.48%	0.02
34	0.12%	0.01
35	0.54%	0.02
36	0.11%	0.01
37	0.60%	0.03
38	0.14%	0.01
39	0.13%	0.01

Type:LED 0102.W.U141.6.60028.200mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-14

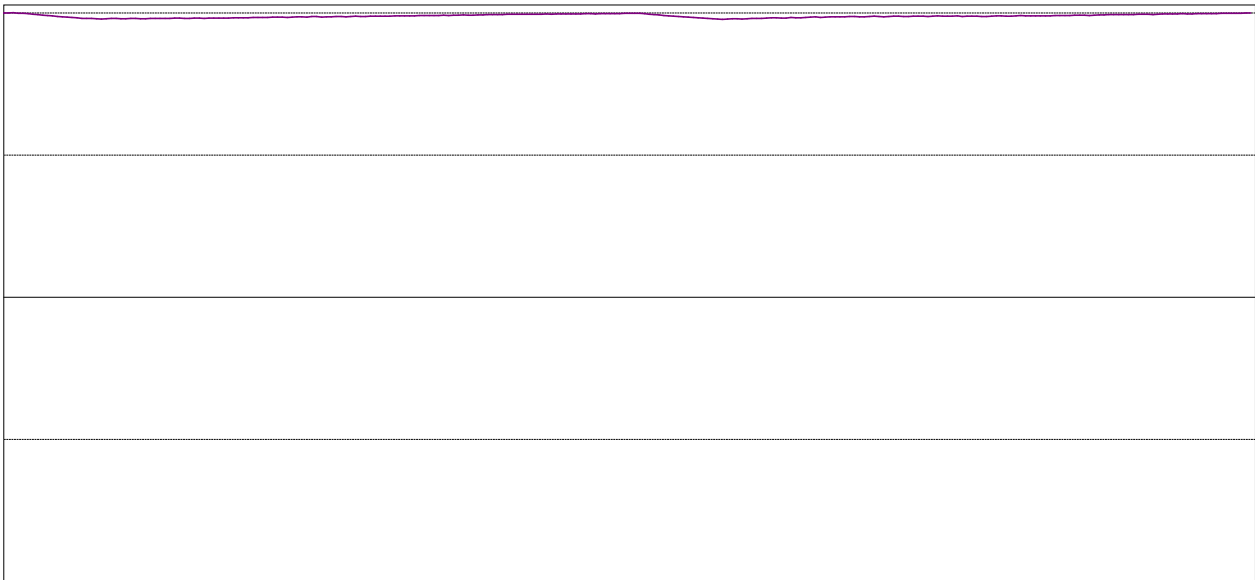
### Output

Lamp Voltage(rms):39.10V      Lamp Current(rms):0.1983A  
Power:7.75W      Ripple Current:0.000A      Energy Efficiency:0.826

#### Lamp Voltage Wave



#### Lamp Current Wave

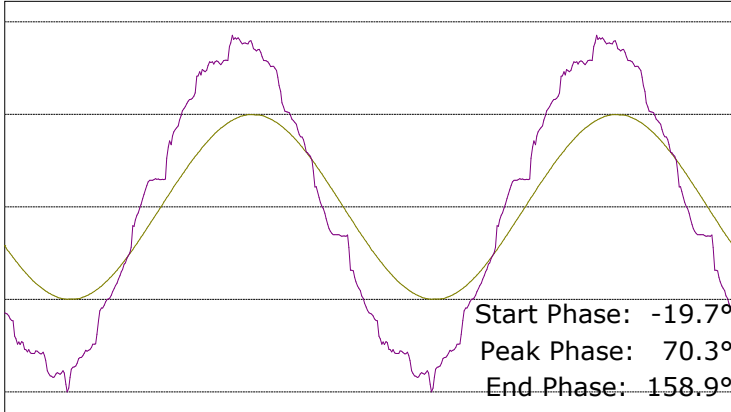


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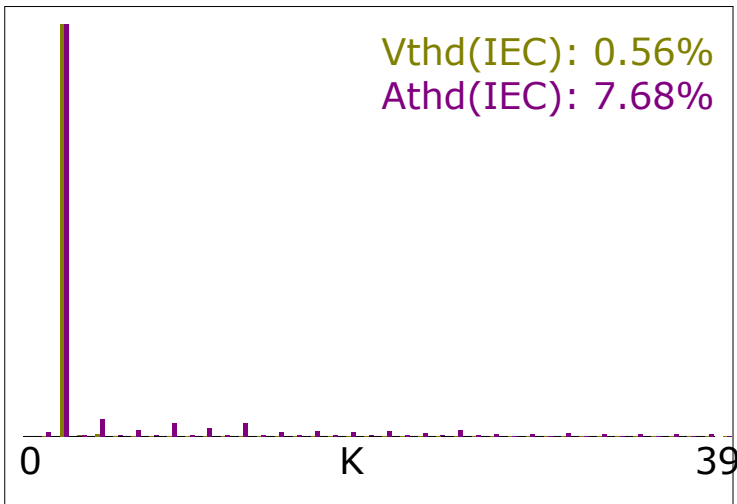
Type:LED 0102.W.U141.6.60028.200mA      Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-10-14

# Input & Output Characteristics Test Report

## Input Characteristics Test Report [Narrow Band]



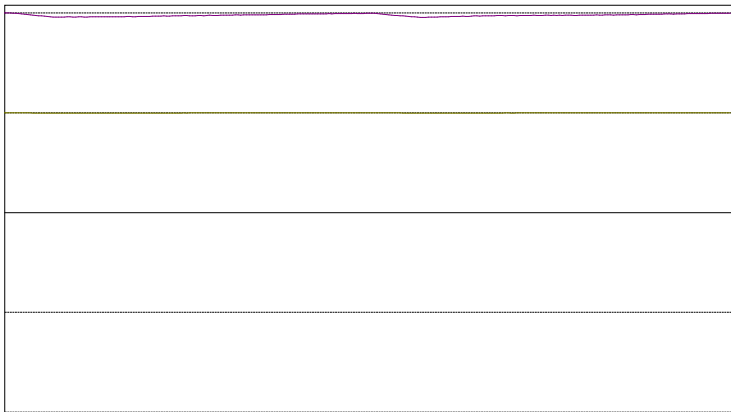
Voltage: 229.288(V)  
 VCF: 1.419  
 Vthd(IEC): 0.56%  
 Current: 0.043(A)  
 ACF: 1.609  
 Athd(IEC): 7.68%  
 Power: 9.4(W)  
 Power Factor: 0.9602  
 Frequency: 50.00(Hz)



Voltage Spectrum  
 H3: 0.50%  
 H5: 0.03%  
 H7: 0.03%  
 H9: 0.01%

Current Spectrum  
 H3: 4.13%  
 H5: 1.63%  
 H7: 3.33%  
 H9: 1.94%

## Output characteristics



Lamp Voltage(rms):39.10V  
 Lamp Current(rms):0.1983A  
 Power:7.75W  
 Ripple Current:0.000A  
 Energy Efficiency:0.826