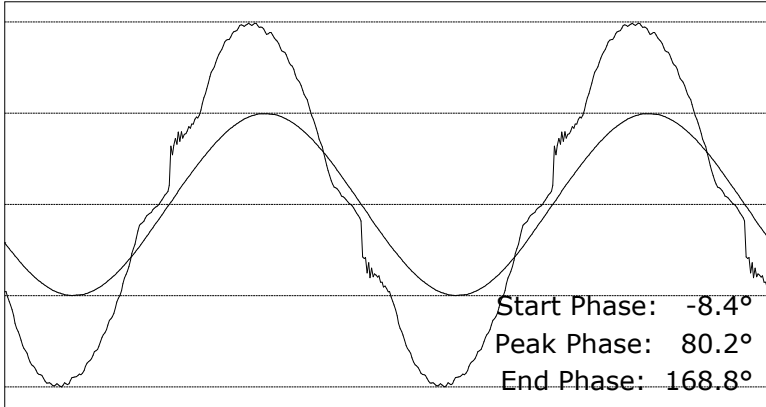
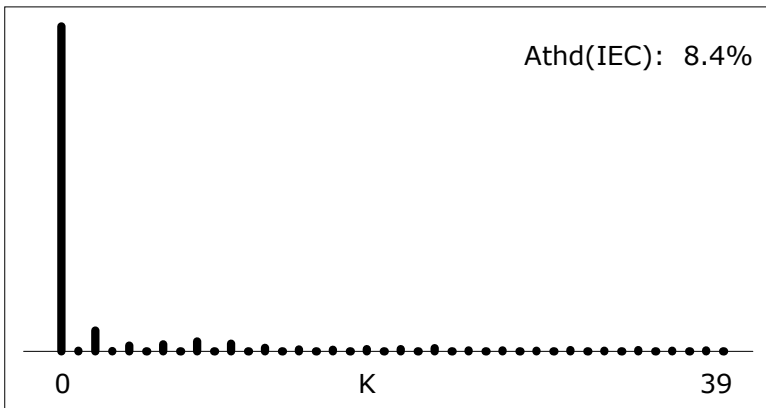
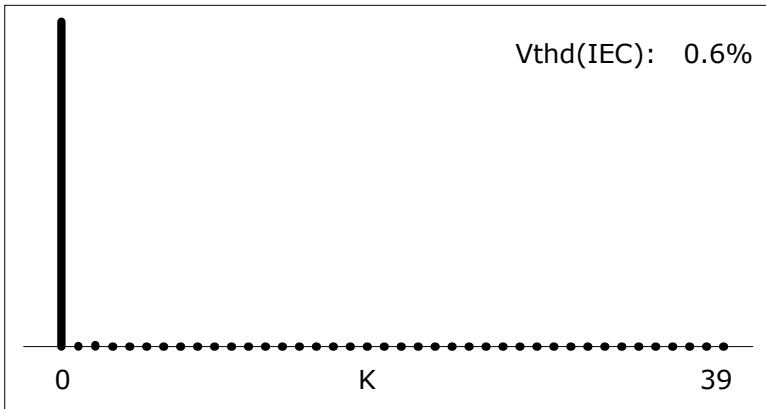


Input Characteristics Test Report [Narrow Band]

Voltage 230.05(V) Current 0.1080(A) Power 24.14(W) Power Factor 0.9720 Frequency 50.00(Hz)



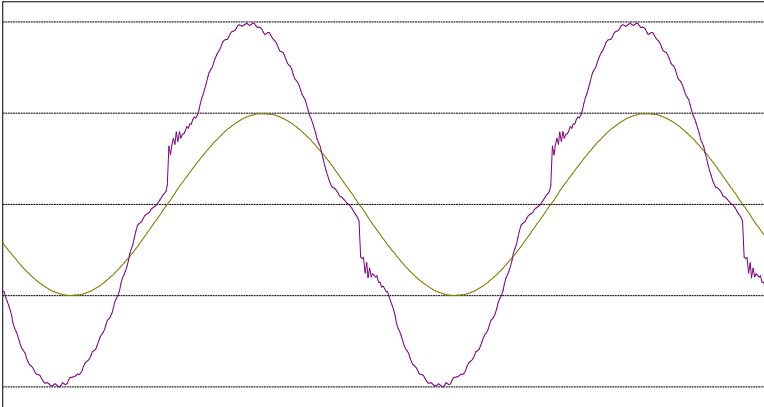
| Spectrum(k) | Voltage | Current |
|-------------|---------|---------|
| 0 | 0.0% | 0.1% |
| 1 | 100.0% | 100.0% |
| 2 | 0.2% | 0.2% |
| 3 | 0.5% | 6.4% |
| 4 | 0.1% | 0.1% |
| 5 | 0.1% | 1.8% |
| 6 | 0.0% | 0.0% |
| 7 | 0.0% | 2.2% |
| 8 | 0.0% | 0.1% |
| 9 | 0.1% | 3.1% |
| 10 | 0.0% | 0.0% |
| 11 | 0.1% | 2.4% |
| 12 | 0.0% | 0.0% |
| 13 | 0.1% | 1.1% |
| 14 | 0.0% | 0.0% |
| 15 | 0.1% | 0.7% |
| 16 | 0.0% | 0.0% |
| 17 | 0.0% | 0.5% |
| 18 | 0.0% | 0.0% |
| 19 | 0.0% | 0.8% |
| 20 | 0.0% | 0.0% |
| 21 | 0.1% | 0.8% |
| 22 | 0.0% | 0.0% |
| 23 | 0.1% | 1.0% |
| 24 | 0.0% | 0.0% |
| 25 | 0.1% | 0.3% |
| 26 | 0.0% | 0.0% |
| 27 | 0.0% | 0.3% |
| 28 | 0.0% | 0.0% |
| 29 | 0.0% | 0.2% |
| 30 | 0.0% | 0.0% |
| 31 | 0.0% | 0.4% |
| 32 | 0.0% | 0.0% |
| 33 | 0.0% | 0.3% |
| 34 | 0.0% | 0.0% |
| 35 | 0.0% | 0.4% |
| 36 | 0.0% | 0.0% |
| 37 | 0.0% | 0.3% |
| 38 | 0.0% | 0.0% |
| 39 | 0.0% | 0.3% |



Type:LED 0802.W.A631.6.60053.600mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-11-24

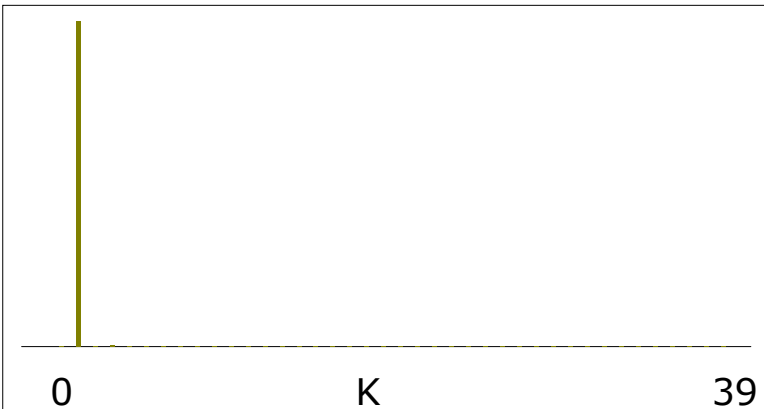
Input Characteristics Test Report [Narrow Band]

| | | | | |
|-----------|-----------|----------|--------------|-----------|
| Voltage | Current | Power | Power Factor | Frequency |
| 230.05(V) | 0.1080(A) | 24.14(W) | 0.9720 | 50.00(Hz) |

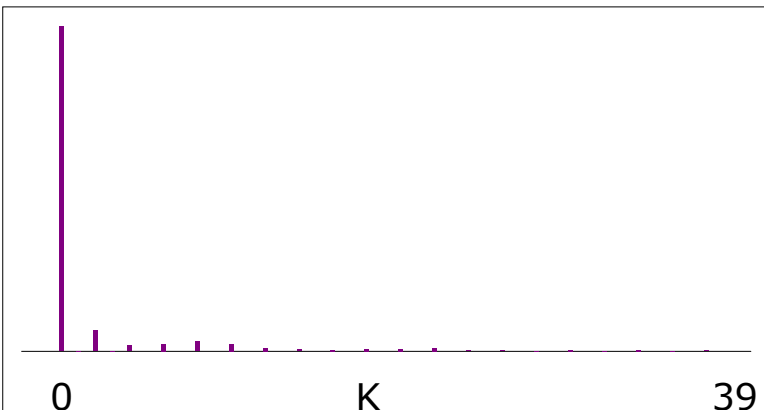


Voltage
Sensitivity: 327.26 V/Div
Peak: 327.26 V

Current
Sensitivity: 0.0804 A
Peak: 0.1607 A
Start Phase: -8.4°
Peak Phase: 80.2°
End Phase: 168.8°



Voltage Spectrum
THD(IEC): 0.60%
H3: 0.51%
H5: 0.06%
H7: 0.03%
H9: 0.05%



Current Spectrum
THD(IEC): 8.4%
H3: 6.41%
H5: 1.79%
H7: 2.17%
H9: 3.12%

| | |
|---|--------------|
| Type:LED 0802.W.A631.6.60053.600mA | Number:1 |
| Manufacturer: Brasled | |
| Temperature:25iãC | Humidity:60% |
| Test Instrument: Lisun WT2080 LED Power Driver Tester | |
| Operator: | Inspector: |
| Test Time:2016-11-24 | |

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

Voltage: 230.05(V)

VCF: 1.423

Vthd(IEC): 0.60%

Voltage Spectrum

| Spectrum(k) | Rel. | Abs.(V) |
|-------------|---------|---------|
| 0 | 0.03% | 0.06 |
| 1 | 100.00% | 230.04 |
| 2 | 0.22% | 0.51 |
| 3 | 0.51% | 1.16 |
| 4 | 0.09% | 0.21 |
| 5 | 0.06% | 0.14 |
| 6 | 0.02% | 0.04 |
| 7 | 0.03% | 0.07 |
| 8 | 0.01% | 0.02 |
| 9 | 0.05% | 0.12 |
| 10 | 0.01% | 0.02 |
| 11 | 0.07% | 0.17 |
| 12 | 0.01% | 0.02 |
| 13 | 0.05% | 0.12 |
| 14 | 0.01% | 0.02 |
| 15 | 0.07% | 0.16 |
| 16 | 0.00% | 0.00 |
| 17 | 0.02% | 0.05 |
| 18 | 0.00% | 0.01 |
| 19 | 0.02% | 0.05 |
| 20 | 0.00% | 0.01 |
| 21 | 0.06% | 0.14 |
| 22 | 0.00% | 0.01 |
| 23 | 0.06% | 0.13 |
| 24 | 0.01% | 0.01 |
| 25 | 0.08% | 0.19 |
| 26 | 0.01% | 0.02 |
| 27 | 0.03% | 0.08 |
| 28 | 0.01% | 0.02 |
| 29 | 0.03% | 0.08 |
| 30 | 0.01% | 0.01 |
| 31 | 0.01% | 0.03 |
| 32 | 0.00% | 0.01 |
| 33 | 0.03% | 0.07 |
| 34 | 0.00% | 0.01 |
| 35 | 0.02% | 0.03 |
| 36 | 0.00% | 0.00 |
| 37 | 0.02% | 0.04 |
| 38 | 0.00% | 0.00 |
| 39 | 0.01% | 0.02 |

Current: 0.1080(A)

ACF: 1.488

Athd(IEC): 8.42%

Current Spectrum

| Spectrum(k) | Rel. | Abs.(mA/W) |
|-------------|---------|------------|
| 0 | 0.12% | 0.01 |
| 1 | 100.00% | 4.46 |
| 2 | 0.25% | 0.01 |
| 3 | 6.41% | 0.29 |
| 4 | 0.10% | 0.00 |
| 5 | 1.79% | 0.08 |
| 6 | 0.01% | 0.00 |
| 7 | 2.17% | 0.10 |
| 8 | 0.05% | 0.00 |
| 9 | 3.12% | 0.14 |
| 10 | 0.04% | 0.00 |
| 11 | 2.42% | 0.11 |
| 12 | 0.05% | 0.00 |
| 13 | 1.15% | 0.05 |
| 14 | 0.05% | 0.00 |
| 15 | 0.66% | 0.03 |
| 16 | 0.03% | 0.00 |
| 17 | 0.51% | 0.02 |
| 18 | 0.04% | 0.00 |
| 19 | 0.75% | 0.03 |
| 20 | 0.03% | 0.00 |
| 21 | 0.77% | 0.03 |
| 22 | 0.04% | 0.00 |
| 23 | 1.04% | 0.05 |
| 24 | 0.04% | 0.00 |
| 25 | 0.34% | 0.01 |
| 26 | 0.01% | 0.00 |
| 27 | 0.32% | 0.01 |
| 28 | 0.02% | 0.00 |
| 29 | 0.21% | 0.01 |
| 30 | 0.03% | 0.00 |
| 31 | 0.40% | 0.02 |
| 32 | 0.03% | 0.00 |
| 33 | 0.29% | 0.01 |
| 34 | 0.01% | 0.00 |
| 35 | 0.41% | 0.02 |
| 36 | 0.02% | 0.00 |
| 37 | 0.29% | 0.01 |
| 38 | 0.01% | 0.00 |
| 39 | 0.30% | 0.01 |

Type:LED 0802.W.A631.6.60053.600mA

Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

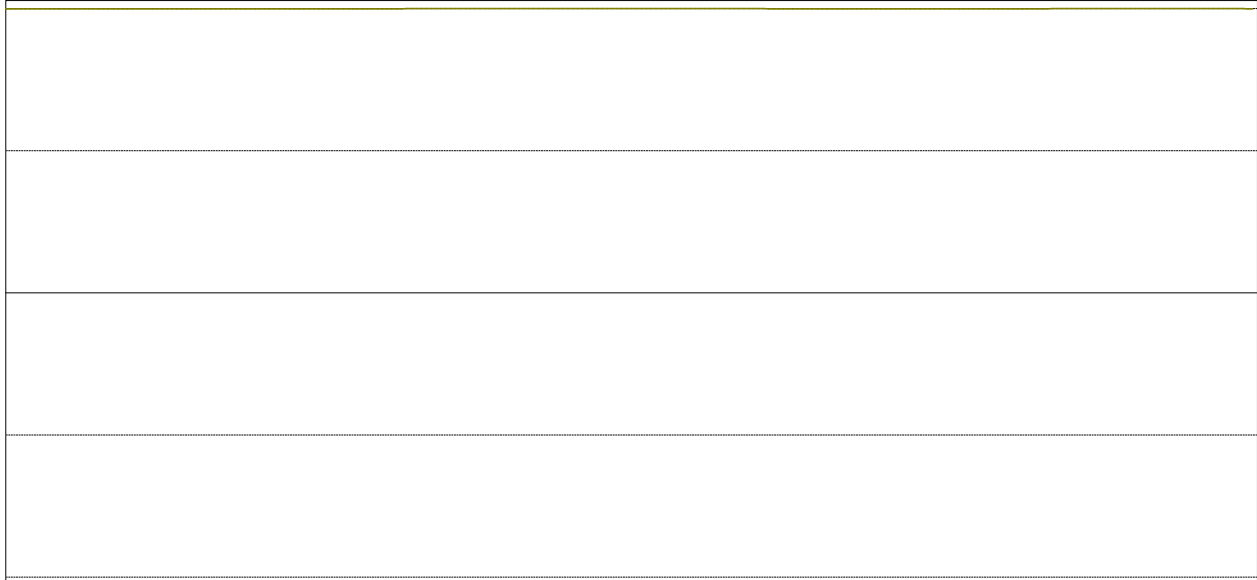
Inspector:

Test Time:2016-11-24

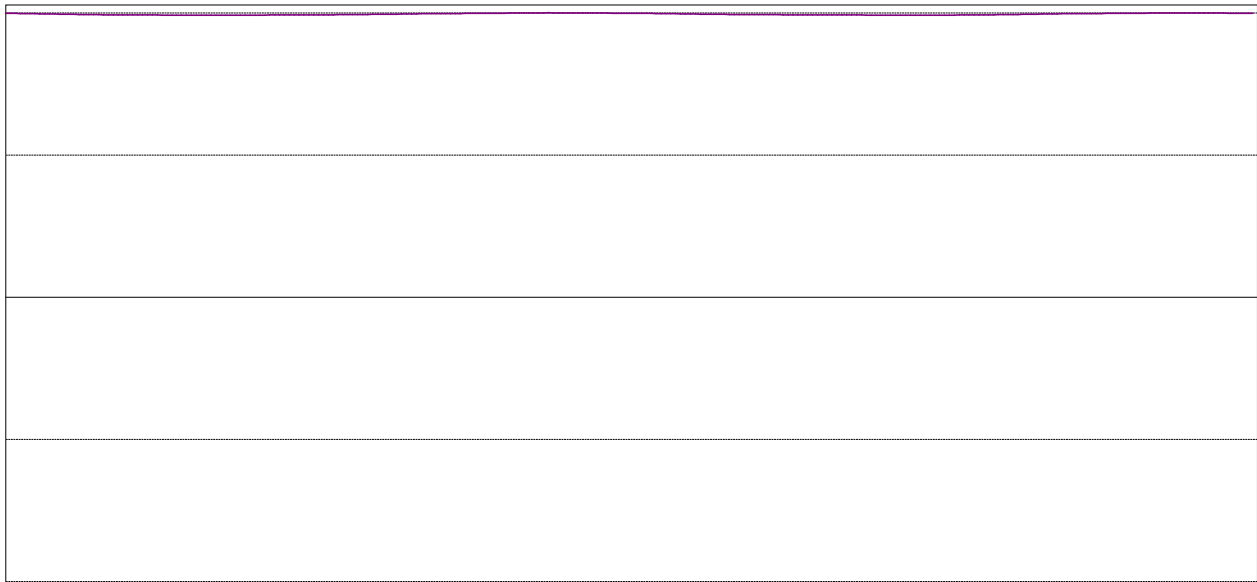
Output

Lamp Voltage(rms):36.75V Lamp Current(rms):0.5883A
Power:21.62W Ripple Current:0.000A Energy Efficiency:0.894

Lamp Voltage Wave



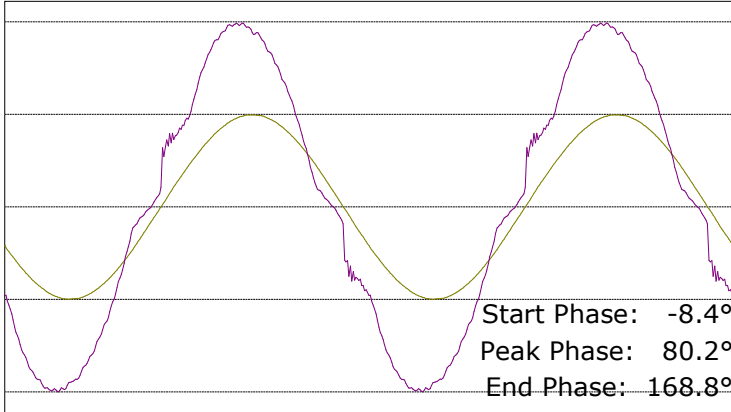
Lamp Current Wave



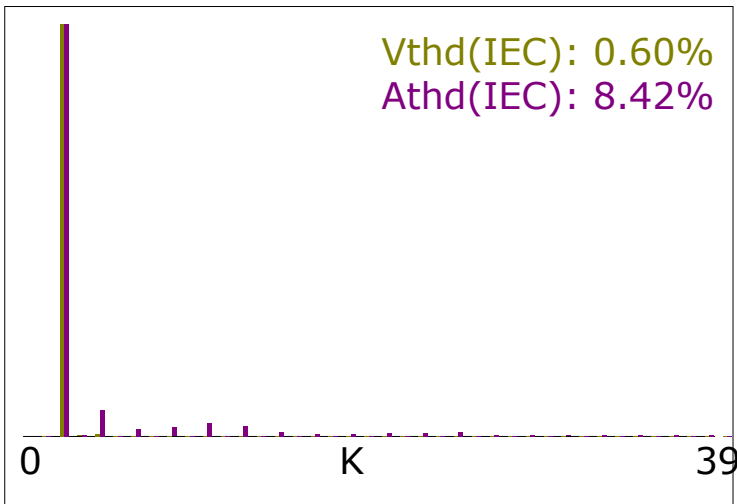
Type:LED 0802.W.A631.6.60053.600mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-11-24

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



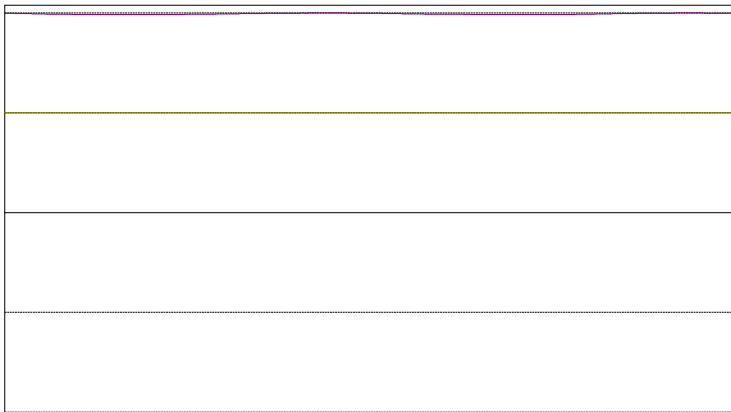
Voltage: 230.050(V)
 VCF: 1.423
 Vthd(IEC): 0.60%
 Current: 0.108(A)
 ACF: 1.488
 Athd(IEC): 8.42%
 Power: 24.1(W)
 Power Factor: 0.9720
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.51%
 H5: 0.06%
 H7: 0.03%
 H9: 0.05%

Current Spectrum
 H3: 6.41%
 H5: 1.79%
 H7: 2.17%
 H9: 3.12%

Output characteristics



Lamp Voltage(rms):36.75V
 Lamp Current(rms):0.5883A
 Power:21.62W
 Ripple Current:0.000A
 Energy Efficiency:0.894