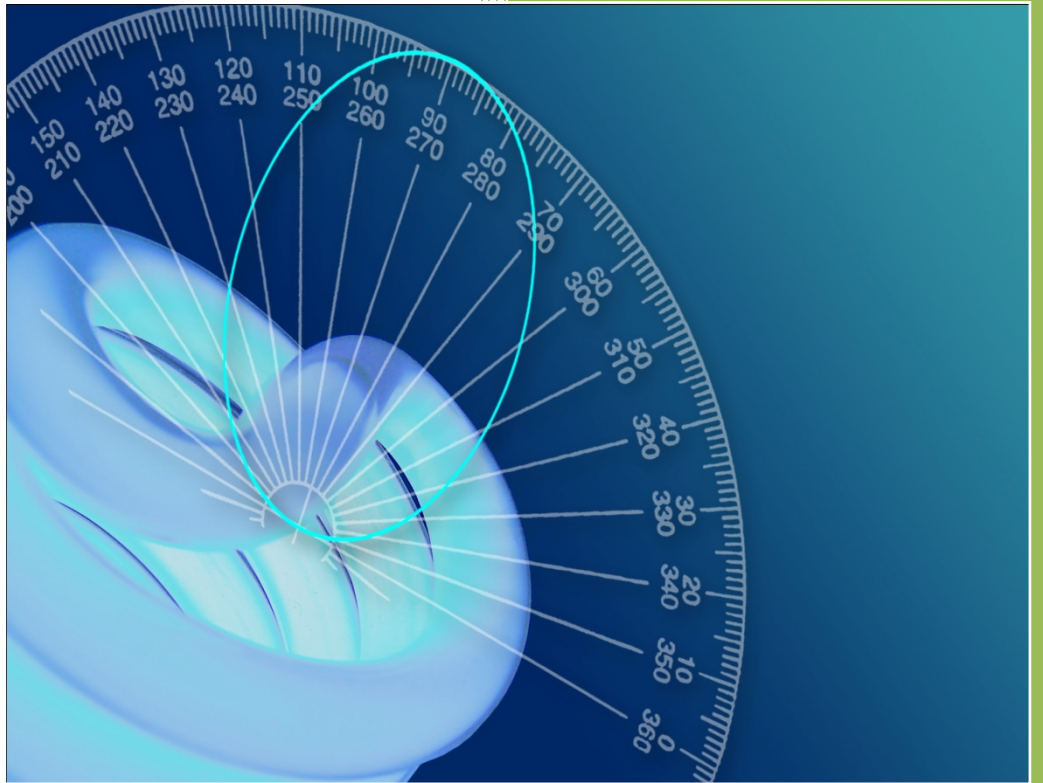


Photometric Test Report



Photometric and Optical Testing
Services
Cheltenham Film and Photographic
Studios
Hatherley Lane
Cheltenham
Gloucestershire
GL51 6PN
UK
Tel: 01242 701300

Photometric Test Report

| | | |
|--|-------------------------|-------------------------|
| Report Number: POTS/DC16114 | Report Date: 24-05-2016 | Prepared By: D CHAMBERS |
| Test Laboratory: Photometric and Optical Testing Services, Cheltenham Film and Photographic Studios, Hatherley Lane, Cheltenham, Gloucestershire, GL51 6PN | | |
| Company Registration Number: Registered in England & Wales No. OC352911 | | |
| Registered Address: Thistle Down Barn, Holcot Lane, Sywell, Northampton, NN6 0BG | | |

Client Details

| | |
|---|--|
| Company: Carbon Reduction Technology Ltd | Email: willie.robson@carbonreductiontechnology.com |
| Address: 18B Town Hall Street, Sowerby Bridge, Halifax, West Yorkshire, HX6 2EA | |

Test Details

| |
|---|
| Description: SN 017920 |
| Manufacturer: Carbon Reduction Technology Ltd |
| Type/ Model: LED |
| Lamp Type: LED |
| Condition on Receipt: Good |
| Test Specification: Measurement of power consumption in accordance with the "Unmetered Supplies Operational Information" document Elexon Operational Information Document V14 |
| Date Tested: 01-08-2017 |
| Conclusion: Refer to body of Report |
| The accuracy for the power tests is $\pm 2\%$. |

Sample 1

| Driver | Designation | | | | | |
|------------------|-------------|---------|---------------|------------|-------------|----------------------|
| ELED-20-250/700D | 017920 | Voltage | Circuit Watts | Circuit VA | Circuit VAR | Circuit Power Factor |
| | | 210 | 14.773 | 15.958 | 6.035 | 0.928 |
| | | 220 | 14.867 | 16.061 | 6.077 | 0.926 |
| | | 230 | 14.988 | 16.332 | 6.488 | 0.927 |
| | | 240 | 15.001 | 16.317 | 6.495 | 0.917 |
| | | 250 | 15.105 | 16.503 | 7.205 | 0.903 |

Sample 2

| Driver | Designation | | | | | |
|------------------|-------------|---------|---------------|------------|-------------|----------------------|
| ELED-20-250/700D | 017922 | Voltage | Circuit Watts | Circuit VA | Circuit VAR | Circuit Power Factor |
| | | 210 | 209.975 | 75 | 14.532 | 15.748 |
| | | 220 | 220.027 | 72 | 14.635 | 15.841 |
| | | 230 | 230.029 | 70 | 14.759 | 15.869 |
| | | 240 | 240.003 | 67 | 14.781 | 16.08 |
| | | 250 | 250.044 | 66 | 14.941 | 16.502 |

Sample 3

| Driver | Designation | | | | | |
|------------------|-------------|---------|---------------|------------|-------------|----------------------|
| ELED-20-250/700D | 017943 | Voltage | Circuit Watts | Circuit VA | Circuit VAR | Circuit Power Factor |
| | | 210 | 14.671 | 15.747 | 5.574 | 0.935 |
| | | 220 | 14.749 | 15.843 | 5.785 | 0.929 |
| | | 230 | 14.824 | 15.873 | 5.675 | 0.922 |
| | | 240 | 14.928 | 16.322 | 6.6 | 0.915 |
| | | 250 | 15.003 | 16.502 | 6.837 | 0.91 |

Sample 4

| Driver | Designation | | | | | |
|------------------|-------------|---------|---------------|------------|-------------|----------------------|
| ELED-20-250/700D | 017944 | Voltage | Circuit Watts | Circuit VA | Circuit VAR | Circuit Power Factor |
| | | 210 | 14.644 | 15.75 | 5.798 | 0.928 |
| | | 220 | 14.738 | 16.058 | 6.376 | 0.918 |
| | | 230 | 14.843 | 16.102 | 6.242 | 0.921 |
| | | 240 | 14.899 | 16.319 | 6.667 | 0.913 |
| | | 250 | 15 | 16.498 | 6.869 | 0.911 |

Sample 5

| Driver | Designation | | | | | |
|------------------|-------------|---------|---------------|------------|-------------|----------------------|
| ELED-20-250/700D | 017950 | Voltage | Circuit Watts | Circuit VA | Circuit VAR | Circuit Power Factor |
| | | 210 | 14.392 | 15.539 | 5.949 | 0.924 |
| | | 220 | 14.464 | 15.62 | 5.936 | 0.925 |
| | | 230 | 14.521 | 15.642 | 5.815 | 0.917 |
| | | 240 | 14.587 | 15.841 | 6.177 | 0.923 |
| | | 250 | 14.766 | 16.252 | 7 | 0.904 |

Signature:



Print Name:

D Chambers

Date: 02/08/2017

Technical Manager

Duly authorised to sign on behalf of:

Photometric and Optical Testing Services LLP