Auxiliary Loads: 2014 Mazda 3 i-ELOOP
Steady State Load Measurement

Number of Vehicles: 4
Location of on-road operation: Arizona
Description of use: Courier Fleet

Description / Specifications
Engine Displacement 2.5L
Engine Fuel Type gas direct inj.
Alternator system description variable output with 25 V capacitor

Average Baseline Auxiliary Load (watts)
Engine Off / Key On (All Loads turned off) 116.4 watts
Engine Running at Idle (All Loads turned off) 229.5 watts

Individual Auxiliary Loads: Average Power (watts)
Low Beams and Fog Lights 194.6 watts
High Beams 157.3 watts
Brake Lights 18.1 watts
Reverse Lights 64.2 watts
Hazards 57.8 watts
Dome Lights 24.3 watts
Radio (high volume) 27.9 watts
Window (Driver) 29.8 watts
Side Mirror (Driver) 12.0 watts
Cabin Fan (Speed 2) 24.9 watts
Cabin Fan (Speed 4) 50.0 watts
Cabin Fan (Highest Speed) 222.8 watts
A/C Fan (Speed 2) 211.5 watts
A/C Fan (Speed 4) 275.6 watts
A/C Fan (Highest Speed) 408.7 watts
Wipers with Washer 71.4 watts
Wipers (High Speed) 67.5 watts
Seat Heaters (both) 119.7 watts
Rear Defroster 213.0 watts
Front Defroster (Highest Speed) 394.6 watts
Electric Power Steering 180.2 watts

Summary of Add-On Auxiliary Load (watts)
Isaac Data Acquisition System 2.1 watts