

**For Immediate Release**

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**Significant Light Pollution Reduction Realized Through Use of  
Cambridge Architectural Metal Fabric**

**CAMBRIDGE, MD...** Cambridge Architectural, North America's leading manufacturer of architectural mesh systems, has completed headlight testing for its exterior tensioned mounted metal fabric systems, with results showing significant light pollution reduction for metal fabric clad parking facilities.

In conjunction with Cambridge's commitment to sustainable design and its mission to establish the full benefits of its architectural metal fabric systems, a recent study was conducted to determine the percentage of light reduction for various metal fabric patterns when exposed to lighting from different angles.

Specifically, Cambridge's Scale, Mid-Balance, Stripe and Shade mesh patterns were exposed to lighting from illuminated vehicle headlamps while driving up or down a spiral parking garage ramp. The mesh was exposed to lighting at upward, downward and horizontal angles. Depending on the open area of the metal fabric, calculated results show that light reduction ranging from 33% up to 54% can be attained for mesh exposed to light at an upward angle. A reduction ranging from 47% up to 58% can be realized for light pointing downward. When exposed to light at a horizontal angle, metal fabric diminishes light pollution from 35% up to 46%.

Light pollution remains a concern in urban areas, especially as sustainable design trends continue to rise in popularity. It is essentially wasted light imposing itself on the peace of natural darkness, reflecting off surfaces and not serving any useful purpose.

"With light pollution becoming increasingly problematic in urban areas, Cambridge's woven metal fabric systems offer an innovative, aesthetically pleasing method of reduction when used as exterior cladding for parking structures," explains David Merriman, manager, marketing and business development for Cambridge Architectural.

As metal fabric patterns that can be installed in tension, Cambridge's Scale, Mid-Balance, Stripe and Shade patterns feature varying percentages of open area, consisting of large-scaled, flexible open weaves that shade and screen structures. Cambridge's tensioned attachment methods include Scroll™, Talon™ and Eclipse™ custom hardware.

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**Cambridge/Light Pollution Reduction – Plus One – Contact: Lauren Ban 412-571-1600**

An active member of the United States Green Building Council (USGBC), Cambridge remains committed to providing product and manufacturing solutions that are environmentally responsible. Cambridge's "Green Team" develops and promotes metal fabric systems that can meet the most current credit requirements of LEED-NC Green Building and Sustainable Design Rating Systems.

In addition to headlight testing, Cambridge has also completed tests on solar heat gain reduction properties for its exterior installed Solar mesh systems, designed to shade and screen structures while maintaining visibility.

Cambridge Architectural is the leading North American manufacturer of architectural mesh systems and is an application-based and customer focused organization that offers full engineering assistance throughout the design/build process. Systems applications include Facade, Space Sculpting, Corporate Branding, Security & Safety, Solar, Ventilation and Landscape Interiors. For more information about Cambridge Architectural call 1-866-806-2385 or visit [www.CambridgeArchitectural.com](http://www.CambridgeArchitectural.com).

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