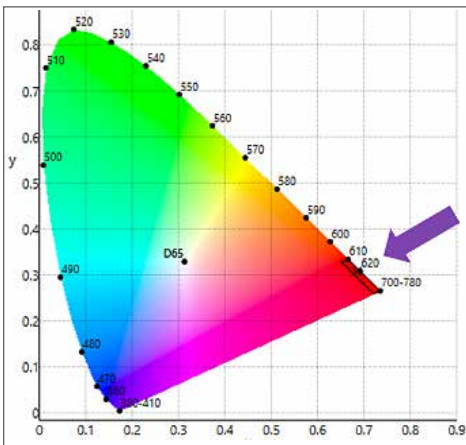


# LucidShape CAA V5 Based Version 2023.06 New Features

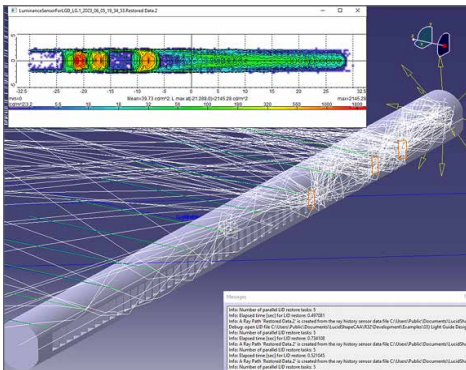


LucidShape CAA V5 Based provides the industry’s only complete workflow solution for automotive lighting, design, and visualization within the CATIA V5 environment. The product’s fast, accurate modeling and analysis of part-level models and product-level assemblies have been enhanced with major new features.

## Advanced Analysis

Advanced Analysis updates save time with:

- Drag-and-drop window arrangements
- Interactive exploration with crosshair points on multiple plots
- Slice plot overlays for data comparisons
- Color analysis to test design compliance with regulations



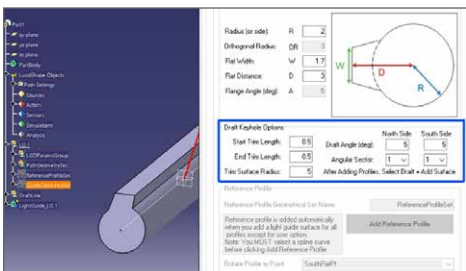
## Ray History Sensors and Surface Filter

You can add Ray History Sensors to most LucidShape CAA sensors, now including the Planar Lux Sensor, the Surface Sensor, and the License Plate Sensor. Combined with the Surface Filter in dynamic mode, you can use the Restore from Sensor tool to explore partial light distributions or ray paths for selected actor surfaces – without needing to run an additional simulation.

## MacroFocal Design

The MacroFocal toolset includes new features to speed design time, including:

- Global shift, scaling, and stretch for all spreads in a MacroFocal design
- Ability to define a set of spreads and apply them to facets using a Spread Table
- Simple Spread algorithm for use in designs with hundreds or thousands of facets
- Spread adjustment tool to change settings with just a few clicks



## Light Guide Design Module

The Light Guide Design Module has expanded its design-for-manufacturability support:

- The Draft Keyhole profile shape allows you to pick a draft direction for the walls of a keyhole profile to improve demoldability of your design.
- The User Profile now uses parameterized values like predefined profile shapes, giving you more precise control over profiles in your design.