

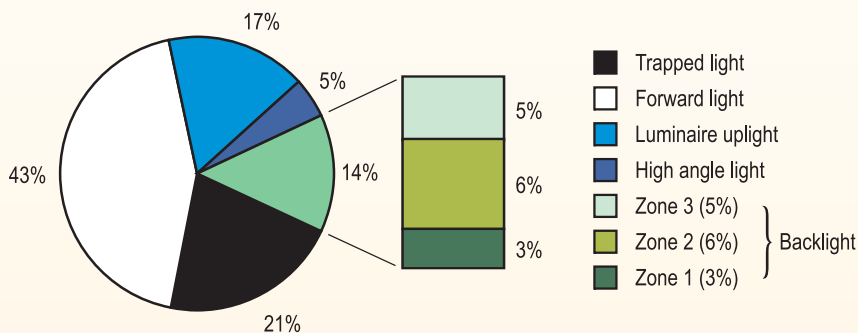
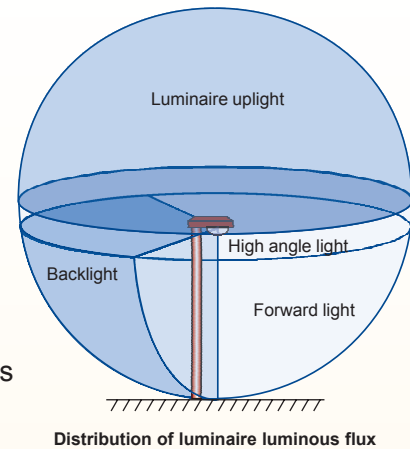
# Luminaire Evaluation and Selection System (LESS)

The LRC developed a new luminaire evaluation and selection system (LESS), which can serve as the foundation for new luminaire performance classifications.

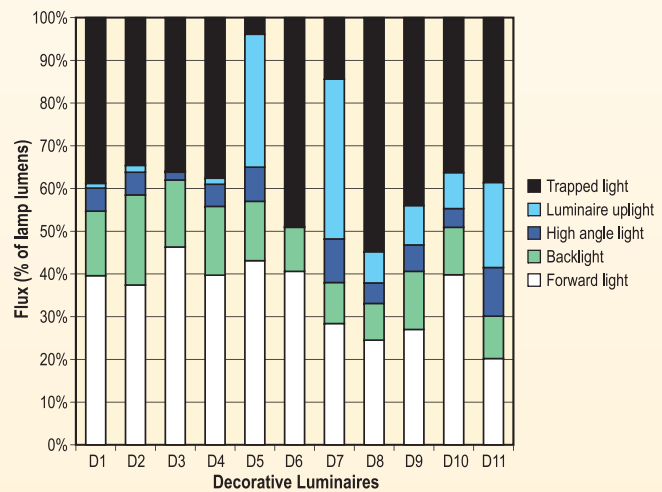
LESS is based on the quantity of luminous flux emitted by a luminaire into four specified angular regions, termed *forward light*, *backlight*, *high angle light*, and *luminaire uplight*. The luminous flux distributed by the luminaire into each region is given as a percentage of total lamp lumens.

The new system will provide a useful way for:

- Manufacturers to design, test, and report luminaire performance
- Designers to more easily select luminaires for outdoor applications
- End users to more easily understand luminaire light distributions



Luminous flux distribution for a decorative teardrop luminaire including the backlight in each zone



Comparison of 150 W MH and HPS decorative luminaires

## Sponsor

Illuminating Engineering Society of North America (IESNA)

## For more information

[www.lrc.rpi.edu/programs/transportation](http://www.lrc.rpi.edu/programs/transportation)

