

Abstract Submitted
for the OSS09 Meeting of
The American Physical Society

Arc Lamp Dose Development Using Mixture Designs TOM COFFEY, m2m Imaging — The US Department of energy estimates that 25% of the commercial energy consumption and 12% of residential energy consumption is used for lighting in the US. The under-lying science of ceramic metal halide lamps continues to elude complete understanding. Because modeling efforts give an incomplete picture, ceramic metal halide lamp design is largely an experimental science. Mixture designs are a special family of designed experiments used to determine the correct proportions of the components in a multi-component blend. The use of a mixture design to determine the dose composition for a ceramic metal halide arc lamp will be presented.

Tom Coffey
m2m Imaging

Date submitted: 01 Apr 2009

Electronic form version 1.4