

Hello,

I've been provided the following comments from our Lighting team regarding feedback for this round of comments on the new Lamps specification:

- 1) Annex C – We recommend that LM-82 be referenced for the Elevated Temperature Initial Light Output Ratio procedure in Annex C. This would support the environmental and electrical requirements for integral LED lamps. In addition, although CFLs are out of the scope of the document, many of the requirements in LM-82 could be used for both LED and CFL lamps.
- 2) The recent draft requires the ambient temperature for life testing to be  $30C \pm 5C$ . The majority of the existing IES life-testing procedures require a nominal 25C ambient. Although these two ranges overlap, this will cause a lab that tests to both requirements to hold the temperature between 25C and 30C, or to build additional rooms for new testing. We recommend that the ambient temperature requirements be changed back to  $25C \pm 5C$
- 3) For the PAR and Low Voltage MR lamps: In the requirements for “color angular uniformity” it states that the sample shall be a unique sample for test. In the requirements for “luminous intensity distribution” it states that the sample “shall be the same unit used for color angular uniformity testing”. We suggest that the sample size requirement for “color angular uniformity” should mention that the unit be “the same unit for testing luminous intensity distribution”.
- 4) Omnidirectional lamp: luminous intensity distribution requirements: the specification states that the lamp luminous intensity shall be measured in vertical planes  $0^\circ$ ,  $45^\circ$ , and  $90^\circ$  about the lamp axis. Since these samples will have to be measured for zonal flux using standard IES lateral increments (in  $22.5^\circ$  increments – see LM-79 and LM-66), it would make sense to use all of this data for the evaluation of the intensity distribution. We recommend changing this requirement from “vertical planes  $0^\circ$ ,  $45^\circ$ , and  $90^\circ$ ” to “vertical planes in a maximum of  $22.5^\circ$  increments”.

Best Regards,

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