

## Questions From 9/27/12 Webinar: S/P Ratio & Delivered Lumens Vs. Total Lumens

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**Nowell Grothe from JBLM - Tacoma, WA:** What documented standards/test results are available for the S/P discussion? Has IESNA addressed this?

**Etienne St-Cyr from Montréal:** Question: Shouldn't we use table 4.2 from the IES Handbook "Mesopic Multipliers" to get the proper value?

**MaxLite:** Yes, table 4.2 is what we are using here at the MaxLite University.

**Etienne St-Cyr from Montréal:** Nowell: If you want more precise information concerning the impact of the S/P ratio, please refer to the IES Handbook and TM-12, both recently published. All info is published in the IES Handbook.... 10th edition

**MaxLite:** Thank you Etienne! We very much enjoy the Q&A that takes place amongst the participants during the live webinar. Lighting professionals sharing information.

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**Jim Byrne from Joint Base Lewis McChord:** What industry standards exist for S/P ratio? How do I convince the AHJ for a potential project that lower output lamps will do the job?

**MaxLite:** See above for the answer to your first question.

Your second question is a much more difficult question. Frankly speaking, just a few years ago we thought S/P ratio was a bit of smoke and mirrors. What turned me around was a very large retrofit job whereas the lumens were cut in half and the place looked so much brighter. We changed out from 400W MH to 200W High Power CFL at 84CRI and 5000K. The way MaxLite convinces the end user is with installed samples and the user can see for themselves.

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**Nowell Grothe from JBLM - Tacoma, WA:** Those drawings are not very representative of light source angles - the angle of incidence from a light source should always leave the light source at 90 degrees. But I guess it probably achieves the intent of the illustration, just not very accurately.

**MaxLite:** Thank you for your input, you are 100% correct.