

Meeting of 21 December 2006

### **Action Items**

- Todd to change the email for Dave McDowell to his NPES address for ALL the Division 8 email. Todd to revise the schedule to indicate the changes from Danny and Yamauchi-san.
- János will propose revisions of the guidelines to clarify the measurement.
- Danny will test out the revised methodology for measuring with irradiance devices. He will revise the guidelines to match the technique that he finds works well.
- Danny will investigate finding a soft brush for cleaning the Spectralon table if it gets dusty or covered in flocking material.
- Yamauchi-san will forward the guidelines and the TC mail to the members of the Japanese CIE TC8-10 committee.

### **Attendees**

János Schanda, Dave Wyble, Phil Green, Yasuki Yamauchi, Dave McDowell, Jordi Arnabat, Danny Rich, Todd Newman

Danny reported that it was hard to follow the instructions in the guidelines for his irradiance instrument. They're optimized for radiance measurements with imaging optics. He said he could do some measurements with the Halon and some papers; but the red LED wasn't very uniform on the Spectralon. János suggests we point at the wall instead of the desk. For irradiance, don't use the papers, but put the input optics in the plane where the paper would stand. In calibrating, we care about the value of the radiance for the white LED, but only the relative for the red LED. Danny said that if you put imaging optics in front of the irradiance material, unless you get very expensive quartz material, you lose the UV anyway. So he didn't think he should be using imaging optics. Danny will test out this approach and then revise the guidelines accordingly.

Danny reported some other problems as well. He had trouble getting the red LED to fit over the collar. It doesn't lock properly. The black flocking is sticking to the Spectralon. We should include an optics brush to let people clean off the material.

Danny had some other technicians test out the measurement process and found that it was straightforward enough.

Yamauchi asked about the uniformity of the LED patch. Danny reports that the white LED is very uniform, relatively bright, and very stable. Five to ten minutes of warm up is sufficient for the red LED. Focusing on the middle of the plate is sufficient.

There are nine members of the Japanese national body in the Japanese shadow of TC8-10. They met two weeks ago for the first time. They are already eager to participate. Yamauchi-san will forward the guidelines and the TC mail to that committee.

### **Schedule**

We are a week behind the schedule we thought we were on. It'll be the end of the first week in January that Danny can send the instrument on to Ann.

Can Yamauchi arrange to have the Japanese domestic committee to gather in one office and all measure the reference LED at the same time? We agreed it would be ok for him to keep the LED a week longer before sending it off to Phil.

Todd will revise the pilot study schedule based on the delay and the extended work time in Japan. He will post the schedule on the website.