

Minutes
Photometrics Working Group
Saturday, 22 March 2003
Hilton Minneapolis

Chairman: Thomas Tyler; Lighting & Electronics, Inc.; P; MP

Recording secretary: Karl G. Ruling; ESTA

Members attending: Jerry Gorrell; Theatre Safety Programs; P; U
Ken Vannice; Colortran (Leviton Manufacturing Co., Inc.); P; MP
Jim McHugh; Humboldt State University; P; U
John T. Ryan; Altman Stage Lighting; P; MP
James Eade; PLASA; P; G (joined at this meeting)

Key to codes: P principal voting member
A alternate voting member
I individual voting member
O observer, non-voting
MP mass-market producer interest category
CP custom-market producer interest category
DR dealer or rental company interest category
U user interest category
G general-interest interest category

Visitors: Matthew Immel; Humboldt State University
Todd Adams; Humboldt State University

1 Opening Remarks

Tom Tyler called the meeting to order at 13:05. He welcomed all to Minneapolis.

2 Attendance and membership

A red and chartreuse sign-in sheet was circulated.

2.1 Introductions of those present

Tom Tyler asked those present to introduce themselves, which they did.

2.2 Determination of quorum

Tom Tyler announced that five voting members were present so there was a quorum.

2.3 Recognition of alternate voting members

There were none to recognize.

2.4 Requirements for membership

The requirements for membership were read aloud by Tom Tyler. He reminded the assembly that membership is open to all who are affected by the work of the group, but voting members are required to vote on letter ballots and to attend meetings. If a voting member and his alternate both miss three meetings in a row, they are moved to observer status. This will be done at the end of the third meeting missed.

2.5 Processing of new membership requests

The following people had applied for membership:

James Eade; PLASA; principal; general interest

Andre Broucke; ADB-TTV Technologies; observer; mass-market producer

Robert Barbagallo, Solotech; observer; dealer or rental business

Ken Vannice moved that the applications be accepted. The motion was seconded. The motion was accepted with a unanimous voice vote.

The consensus body for this meeting, including those not present, was thus:

Name	Company	Representation	Voting status	Int. cat.
John T. Ryan	Altman Stage Lighting	Altman Stage Lighting	P	MP
Rick Loudenburg	Barbizon Rockies	Barbizon Companies	P	DR
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	P	CP
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	P	MP
Jim McHugh	Humboldt State University/IES	Humboldt State University	P	U
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	MP
Thomas Tyler	Lighting & Electronics, Inc.	Lighting & Electronics, Inc.	P	MP
Bill Klages	New Klages Inc.	New Klages Inc.	P	U
James Eade	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Michael Lay	Strand Lighting	Strand Lighting Ltd.	P	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	P	CP
			12	total
			5	MP
			2	CP
			1	DR
			3	U
			1	G

3 Approval of the minutes from the previous meeting

Jim McHugh moved that the minutes of the October 2002 meeting be accepted as written. The motion was seconded. The motion was accepted with a unanimous show of hands.

4 Call for patents and anti-trust statement

The following statement about patents was read aloud by Tom Tyler:

"ESTA intends to publish no standard that contains protected intellectual property, unless that property can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent disclosure to implement this intent. ESTA does not conduct patent searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosure policy, I ask if anyone present wishes to notify the working group of the existence of a patent or copyright that might protect material in a standard being developed by the working group. You need not be the holder of the patent or copyright in order to notify the working group of its existence."

No issues were brought to the attention of the assembly

The following statement warning against restraint of trade actions was read aloud by Tom Tyler:

"The ESTA Board of Directors, the Technical Standards Committee, and the leadership of this Working Group will reject or nullify any actions that restrain trade. Anyone who feels that an action restraining trade is being or has been taken is requested to bring the matter to the attention of the chair immediately. Anyone who feels that actions in restraint of trade have been taken and not properly annulled is requested to notify the TSC chair or ESTA president immediately.

"ESTA legal counsel has informed us that any member of this working group may be found individually liable for any action that restrains trade taken by this working group. An individual

convicted of a violation of the Sherman Act may be fined as much as \$100,000 and be imprisoned for up to three years. An easy to read pamphlet describing restraint of trade is available from the Technical Standards Committee."

Karl Ruling held up the easy to read pamphlet. There was a brief discussion of what kinds of actions could be construed as restraint of trade. No issues were brought to the attention of the assembly.

5 Approval of agenda

Jerry Gorrell moved that we accept the agenda as written. The motion was seconded. The motion was approved by a voice vote.

6 Old Business

6.1 Review of revised versions of Jim McHugh's data sheet samples

Ken Vannice moved that John Ryan shall take the sample sheets and put in real data so we have complete examples. This shall be done by September 1. Jerry Gorrell seconded the motion. The motion was approved by a unanimous show of hands.

The consensus was that the sample files provided by Jim McHugh shall be in Word doc format.

6.2 Review of IESNA LM-73

Ruling noted that the designation of our standard, ANSI E1.9 – 2001, is now correct in the draft LM-73, but that the name is still incorrect. The correct name is Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting.

Jim McHugh moved that Karl Ruling shall respond to the revisions made in response to our comments on LM-73. The response shall be:

"In general we are satisfied with the revisions, but we are not satisfied with the prohibition against digital camera-based photometry. We suggest that digital camera photometry be specifically excluded from the scope of the LM-73 standard if the IESNA Testing Committee does not wish to cover it in this document, but that the statement in 5.0 noting that ' . . . CCD camera goniophotometry shall not be considered an approved method . . .' should be removed. We suggest that the entire section 5.0 be removed, since it seems pointless to describe digital camera photometry and then to declare it essentially unusable. Furthermore, the inclusion of the statement that this method is not approved will require the revision of LM-73 when the IESNA does approve a digital camera method to avoid conflict with that new standard. We hope that you proceed quickly on the development of a digital-camera-based testing method, since this is the method used widely in the entertainment industry."

The motion was seconded. The motion was approved by a unanimous show of hands.

6.3 Review of Jerry Gorrell's draft of our own measuring standard (Photo/2003-5001)

Ken Vannice moved that we start a standards-drafting project to define simplified basic testing conditions for stage and studio luminaires. The motion was seconded. There was discussion in which the consensus was that what we really need is something that will simply set the basic testing requirements. Almost all the luminaire manufacturers are using the same testing equipment, which has instructions on the testing procedure from the manufacturer. The big area of uncertainty is not how to collect the data, but is the condition of the luminaires and lamps from which the data is being collected. The motion was approved by a unanimous show of hands, which was 50% of the consensus body and constituted a simple majority. This project will be BSR E1.25, reported Ruling.

Jerry Gorrell moved that the draft document be distributed to the committee and that comments on it shall be sent back to Jerry Gorrell for incorporation. The motion was seconded. The motion was approved by a unanimous show of hands. Gorrell said that comments need to be back to him by May 9th.

7 New business

There was a discussion of the new archived email reflectors. Karl Ruling handed out instruction sheets for registering on the esta.pair reflector website.

8 Other business

Jerry Gorrell distributed Chuck Seifried's one-page article about using a web-cam to align a luminaire.

At this meeting, no voting members had to be moved to observer status as a consequence of their persistent absence.

9 Schedule for future meetings

Ken Vannice read the meeting schedule aloud and announced that the next meeting is scheduled for 13:00 to 17:00 on Saturday, July 26, at the Dallas/Ft. Worth Marriott South. The following meeting is scheduled for 9:00 to noon, Friday, November 21 at the Sheraton World.

10 Adjournment

Jim McHugh moved that the meeting adjourn. The motion was seconded. The motion was approved by a unanimous show of hands. Tom Tyler declared the meeting adjourned at 16:06.

Photometrics Working Group Membership 2003-05-23

Name	Company	Representing	Voting status	Int. cat.
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
John Luk	Altman Stage Lighting	Altman Stage Lighting	O	MP
John T. Ryan	Altman Stage Lighting	Altman Stage Lighting	P	MP
Rick Loudenburg	Barbizon Rockies	Barbizon Companies	P	DR
Lee J. Bloch	Blue Sky Design, Ltd.	Blue Sky Design, Ltd.	O	U
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	P	CP
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	O	U
Francesco Romagnoli	Clay Paky S.P.A.	Clay Paky S.P.A.	O	MP
David Bertenshaw	David Bertenshaw	David Bertenshaw	O	G
A C Hickox	Domingo Gonzalez Associates	Domingo Gonzalez Associates	O	U
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	P	MP
Mitch Hefter	Entertainment Technology	Genlyte Thomas Group LLC	O	G
Mike Wood	High End Systems Inc.	High End Systems Inc.	O	MP
Jim McHugh	Humboldt State University/IES	Humboldt State University	P	U
Jim Grosh	Jim Grosh Associates	Jim Grosh Associates	O	G
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	MP
Thomas Tyler	Lighting & Electronics, Inc.	Lighting & Electronics, Inc.	P	MP
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP
Tom Pincu	Moodie, Pincu & Associates, Inc.	Moodie, Pincu & Associates, Inc.	O	MP
Bill Klages	New Klages Inc.	New Klages Inc.	P	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	O	U
Tony Douglas-Beveridge	PLASA	PLASA	A	G
James Eade	PLASA	PLASA	P	G
Ron Rykowski	Radiant Imaging, Inc.	Radiant Imaging, Inc.	O	G
David Jenkins	Radiant Imaging, Inc.	Radiant Imaging, Inc.	O	G
Robert Mumm	Robert Mumm	Robert Mumm	O	G
Robert Barbagallo	Solotech Inc.	Solotech Inc..	O	DR
Joseph M. Good, III	Spectrum Professional Services	Spectrum Professional Services	O	G
Michael Lay	Strand Lighting	Strand Lighting Ltd.	P	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	P	CP
Eckart Steffens	SOUNDLIGHT	VPLT	O	G

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