

**Peter Zehntner reports:
standardisation news
on horizontal and
vertical road markings**



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ASTM subcommittee E12.10 “on Retroreflection“ news

E1696-04	Standard Test Method for Field Measurement of Raised Retroreflective Pavement Markers Using a Portable Retroreflectometer	Action is proceeding on the parent subcommittee and ballot statements.
E1709-00	Standard Test Method for Measurement of Retroreflective Signs Using a Portable Retroreflectometer	Proposal for 0.2 and 0.5 degree observation angles
E1710-05	Standard Test Method for Measurement of Retroreflective Pavement Marking Materials with CEN-Prescribed Geometry Using a Portable Retroreflectometer	Balloted and accepted
E1743-96		withdrawn
E1809-01	Test Method for Measurement of High-Visibility Retroreflective-Clothing Marking Material Using a Portable Retroreflectometer	Rewording color correction criteria – new work item will be opened
E2302-02	Standard Test Method for Measurement of the Luminance Coefficient Under Diffuse Illumination of Pavement Marking Materials Using a Portable Reflectometer	New Qd standard
E2366-05	Standard Test Method for Measurement of Daytime Chromaticity of Pavement Marking Materials Using a Portable Reflection Colorimeter	Parent subcommittee and ballots statement needs to be initiated
E2367-05	Standard Test Method for Measurement of Nighttime Chromaticity of Pavement Marking Materials Using a Portable Retroreflection Colorimeter	Parent subcommittee and ballots statement needs to be initiated
WK3833	Test Method for determination of the coefficient of retroreflection of pavement markings using a 30 meter geometry mobile retroreflectometer.	Parent subcommittee and ballots statement needs to be initiated

CEN TC226 WG2 “Road Markings” news

EN 1436	Road marking materials - Road marking performance for road users	Activate work item
EN 1824	Road marking materials - Road Trials	Awaiting for activate the work item until further information becomes available from the road trials from the durability research program
EN 1871	Road marking materials - Physical properties	Request to open work item
EN 12802 Part 1: Part 2: Part 3:	Road marking materials - Laboratory methods for identification Sampling from storage and testing Guidelines for preparing quality plans for materials application Performance in use	Request to open work item
EN 13459	Road marking materials - Quality control	To be revised as an EN or CEN Technical Report

Revision of EN 1436:1997

1997-08	publication of EN 1436
2000-01	start first revision of EN 1436:1997
2003-04	publication of ammendment A1 to EN 1436:1997
2001-08	start 2nd revision of EN 1436:1997
2003-08-22	result of Internal Enquiry
2004-06-25	result of formal vote – disapproved by national members
2005-06-05	addition of new work item

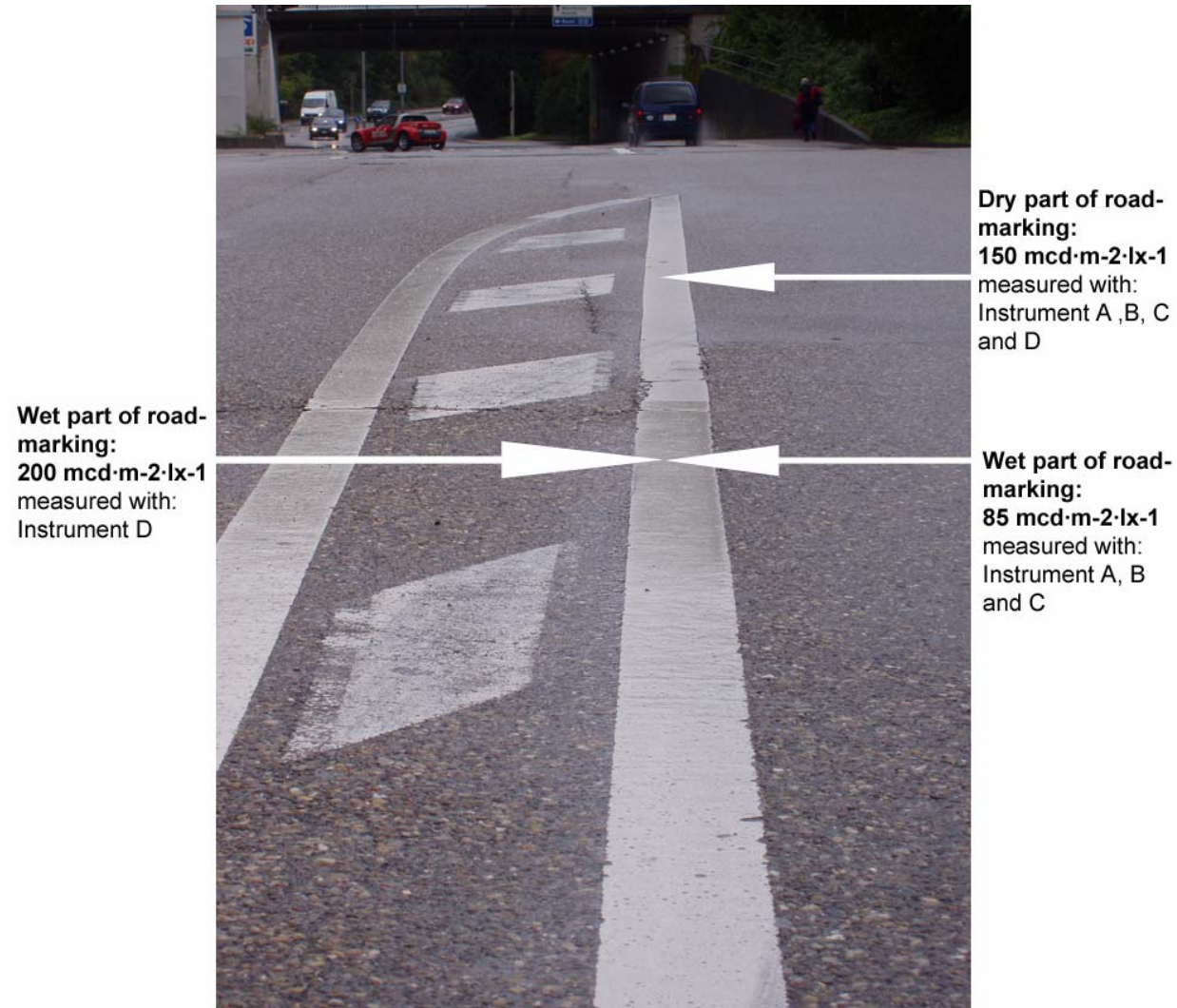
Night visibility (RL) wet



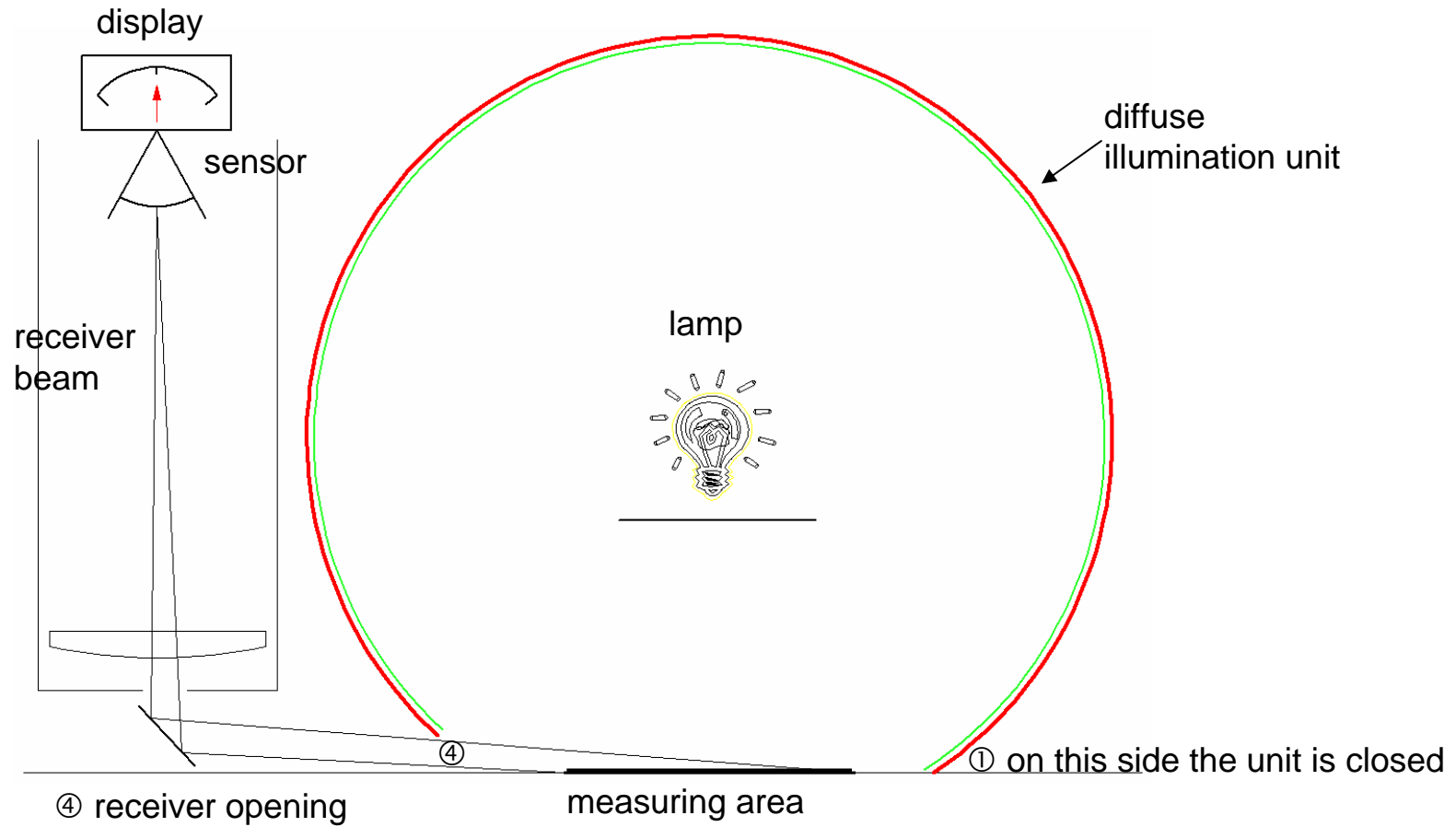
Day visibility (Qd) wet



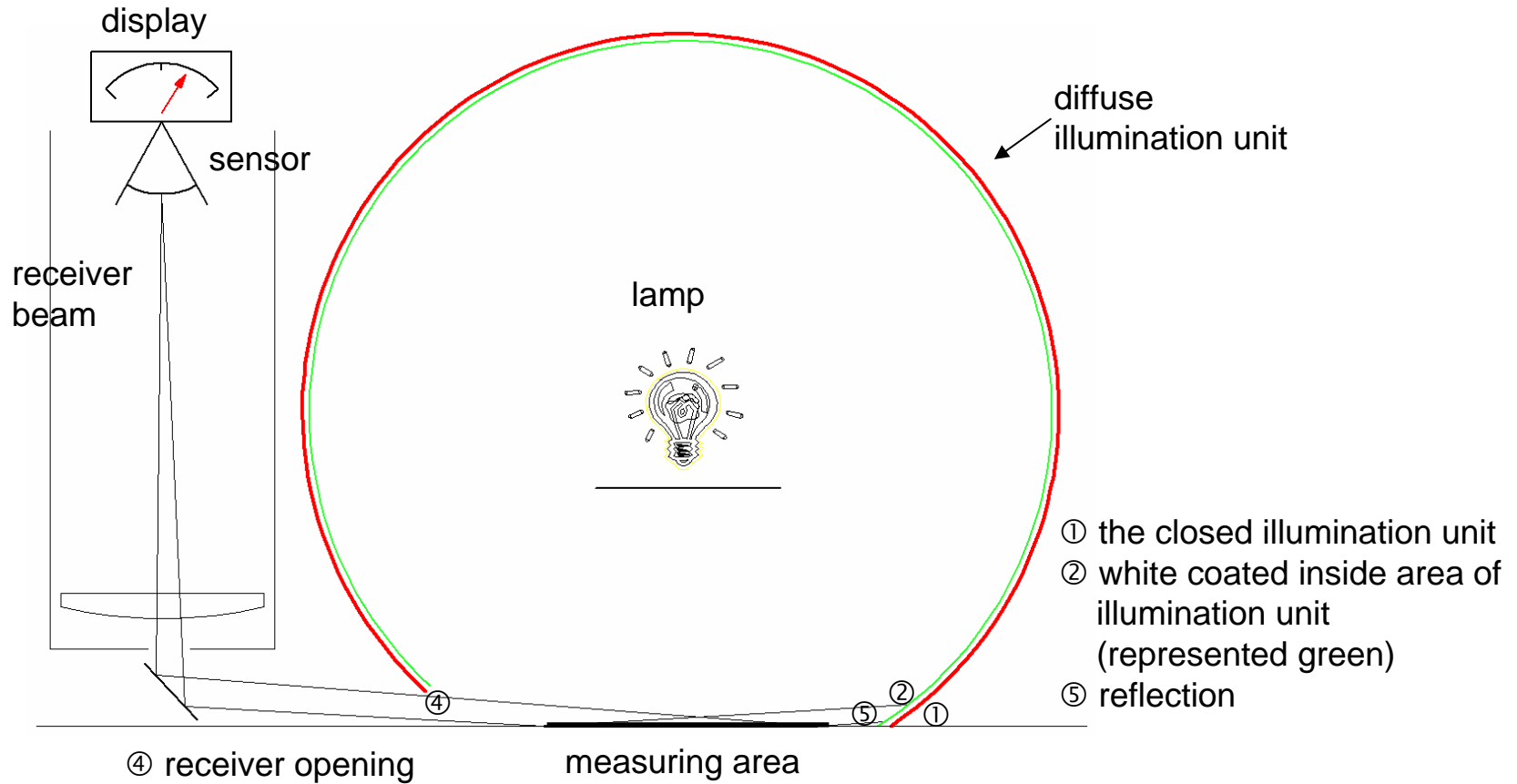
Measuring results day visibility (Qd) wet and dry



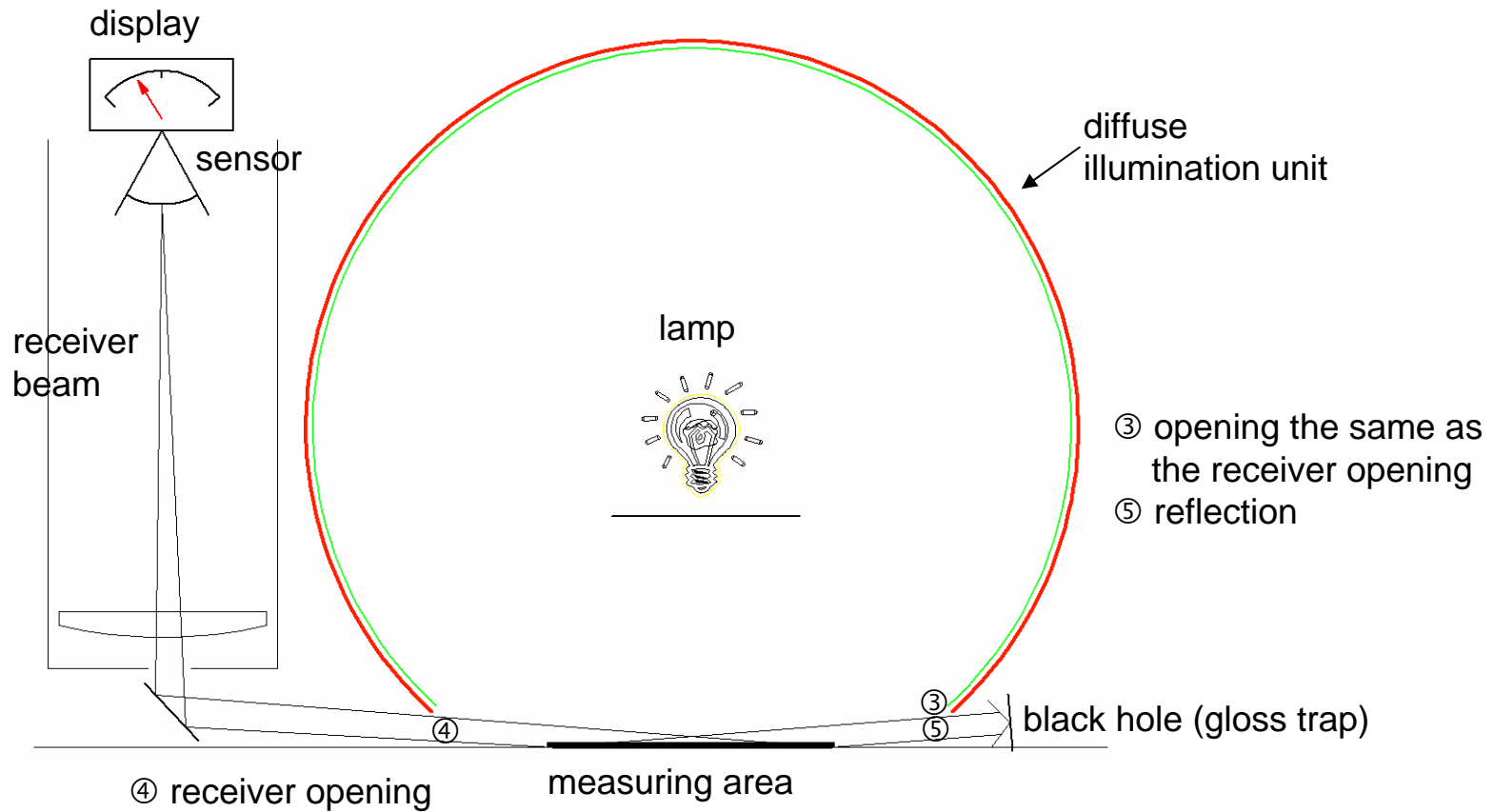
Measurement of non-glossy surfaces (measurement setup 1):



Measurement of glossy surfaces (measurement setup 1):



proposed solution for measuring glossy surfaces (measurement setup 2):



Measuring and Test Equipment for Road Markings

Among others we measure and determine

- day and night visibility
- thickness wet and dry
- drying properties / drying time



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