

(15)
47th GRE, item 4.1.

Results of the Harmonised Beam Pattern Presentation

October 2nd 2001

47th GRE

Agenda Item 4.1

Informal Document #....

Submitted by the Experts of GTB

Test order

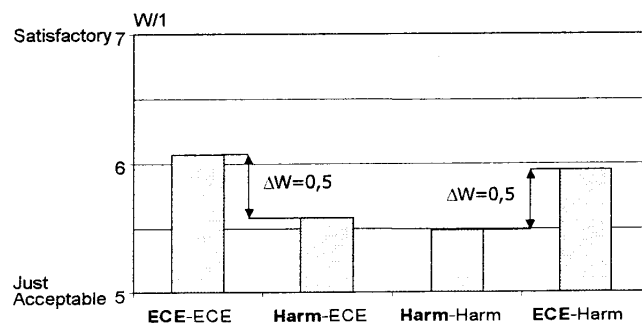
- ECE as Opposing Headlamp vs. ECE as Driving Headlamp
- Harmonised as Opposing Headlamp vs. ECE as Driving Headlamp
- Harmonised as Opposing Headlamp vs. Harmonised Driving Headlamp
- ECE as Opposing Headlamp vs. Harmonised as Driving Headlamp

Photometric Data

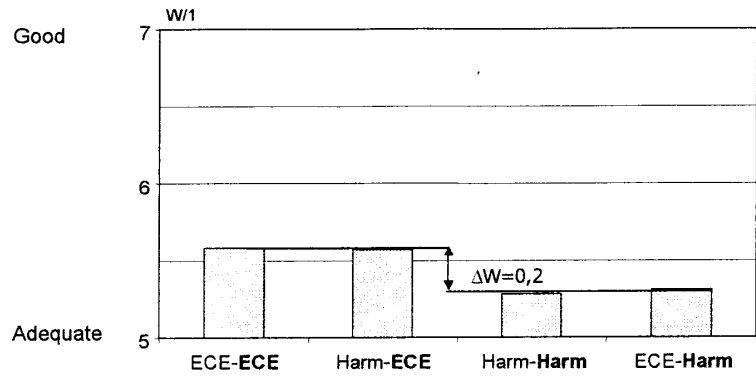
Point No.	Position		Required Value (Harmonised)		Opposing Headlamp		Driving Headlamp	
	x/°	y/°	min.	max.	ECE	Harm.	ECE	Harm.
HV	0	0	-	1,92	0,54	1,8	0,69	1,62
„B50L“	-1,5	0,5		1,09	0,32	0,5	0,28	0,46

All data mean value between right and left in lux @ 12V

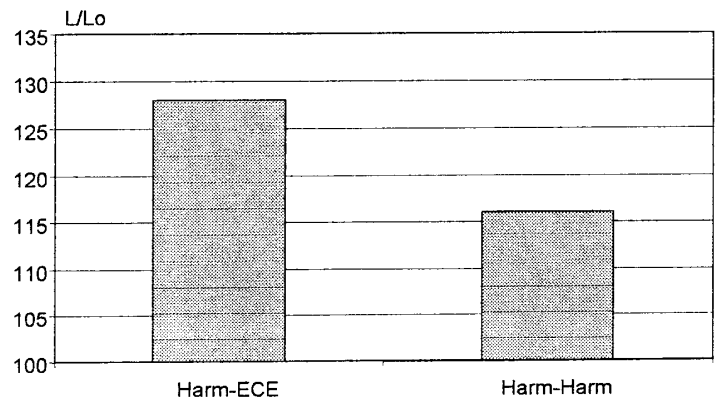
Results of Glare Rating



Results of Range Rating



Change of Threshold Luminance



Conclusion

- The subjective glare rating is approx. $W = 0,5$ worse for the Harmonised Beam Pattern independent of the driving headlamp
- The range of the headlamp does not vary with the changed light distribution
- The disability glare is increased by approx. $F = 15 \dots 28 \%$ for the Harmonised Beam Pattern