Informal document No. **GRE-65-31**
(65th GRE, 28-31 March 2011,
agenda item 5(f))

Angular specifications for courtesy and manoeuvring lamps to

ECE/TRANS/WP.29/GRE/2011/29

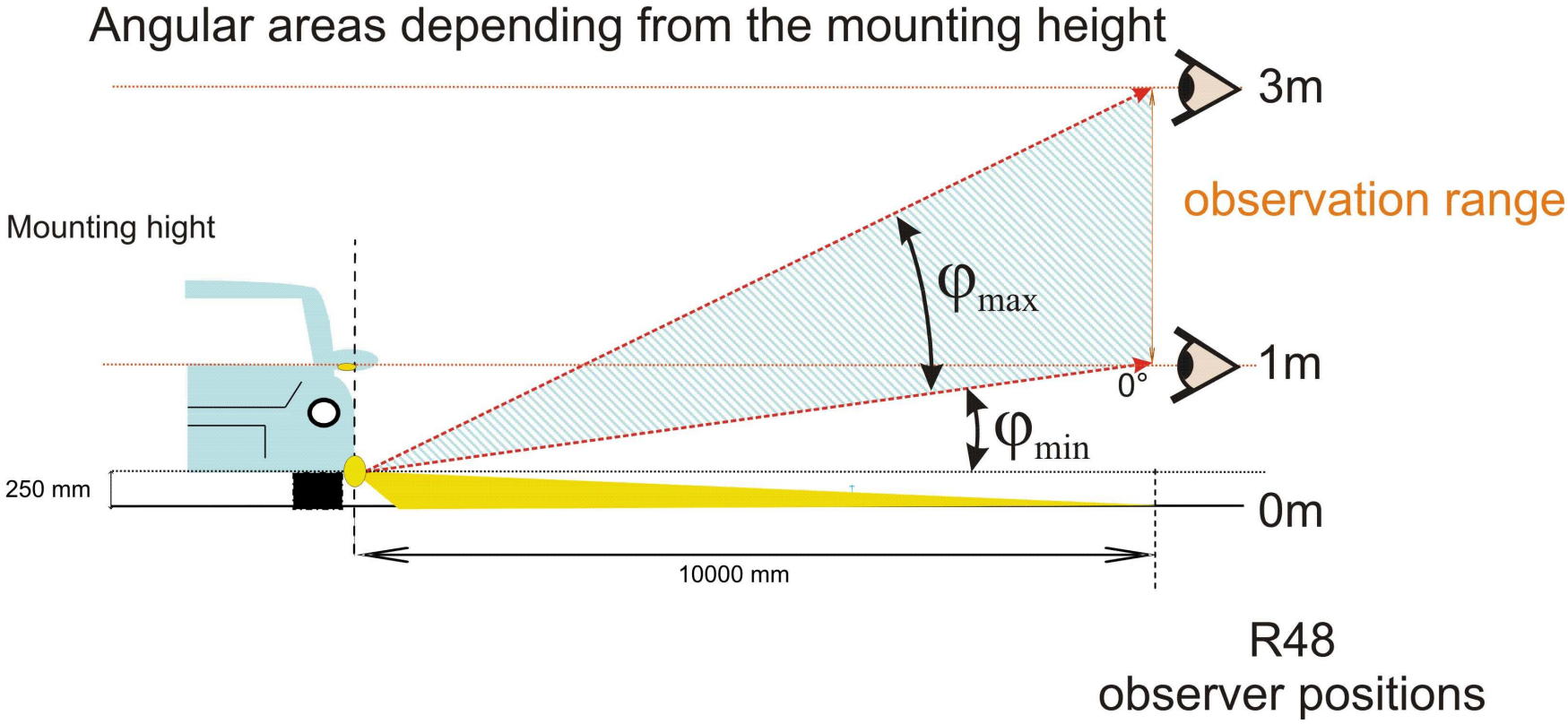
Submitted by the Chair of the task force on courtesy lamp

There is a mistake in paragraph 6.2.1.

Insert new paragraphs 6.2 to 6.3.3., to read:

"6.2. Intensity of the light specifications for exterior courtesy lamps

6.2.1. The intensity shall be not larger than [500] candelas in the angular field ~~defined in para 6.2.3~~ when installed in any mounting position specified by the applicant

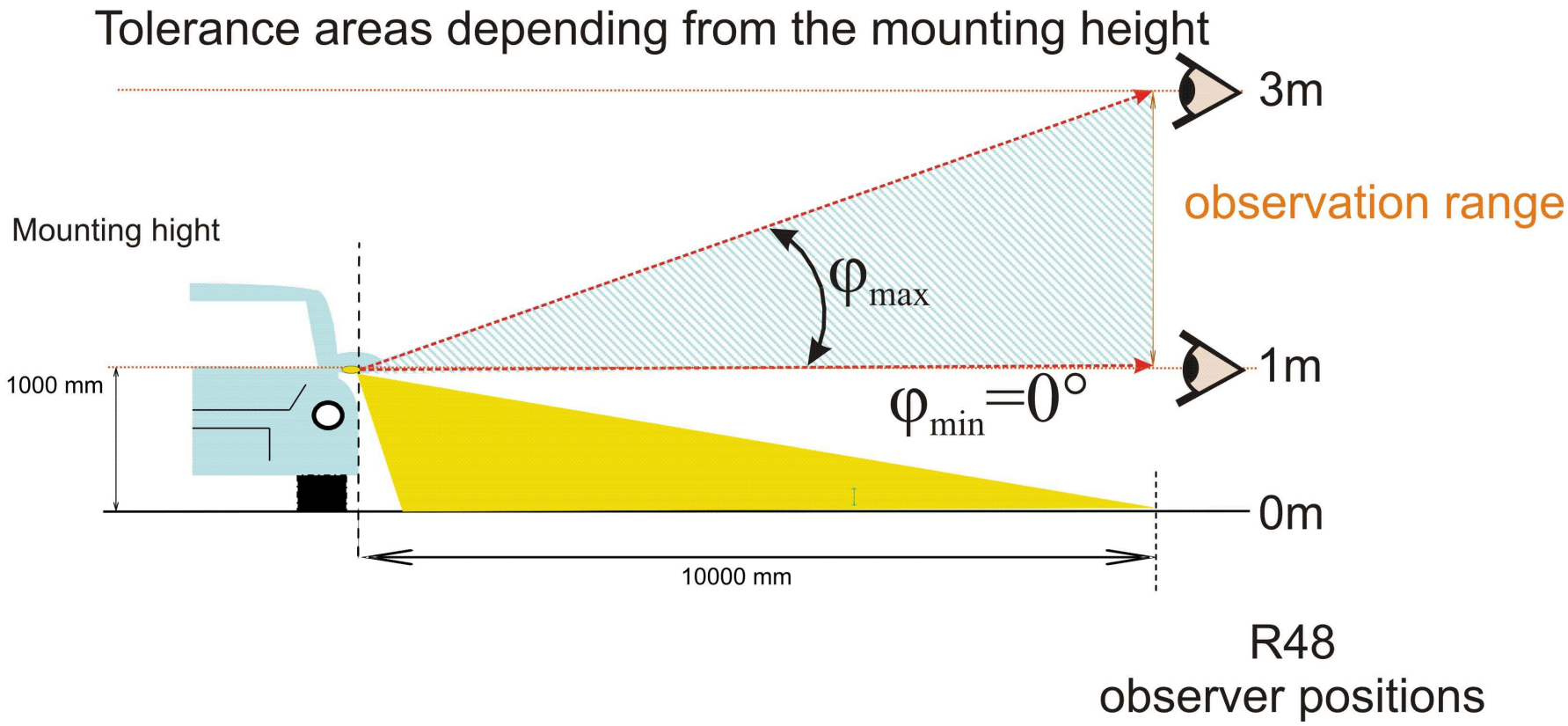


φ_{min} = arctan ((1-*mounting height*)/10); with the mounting height in m

φ_{min} = arctan ((1-*0.25*)/10) = arctan (0.075) = 4.3°

$\varphi_{min} = \varphi_{max}$ + 11,3 = 4.3 + 11.3 = 15.6°

tan(15.6) = 0.279 → h = 0. 0.279 x 10000 =2790+ 250 = 3042 → ≈3m

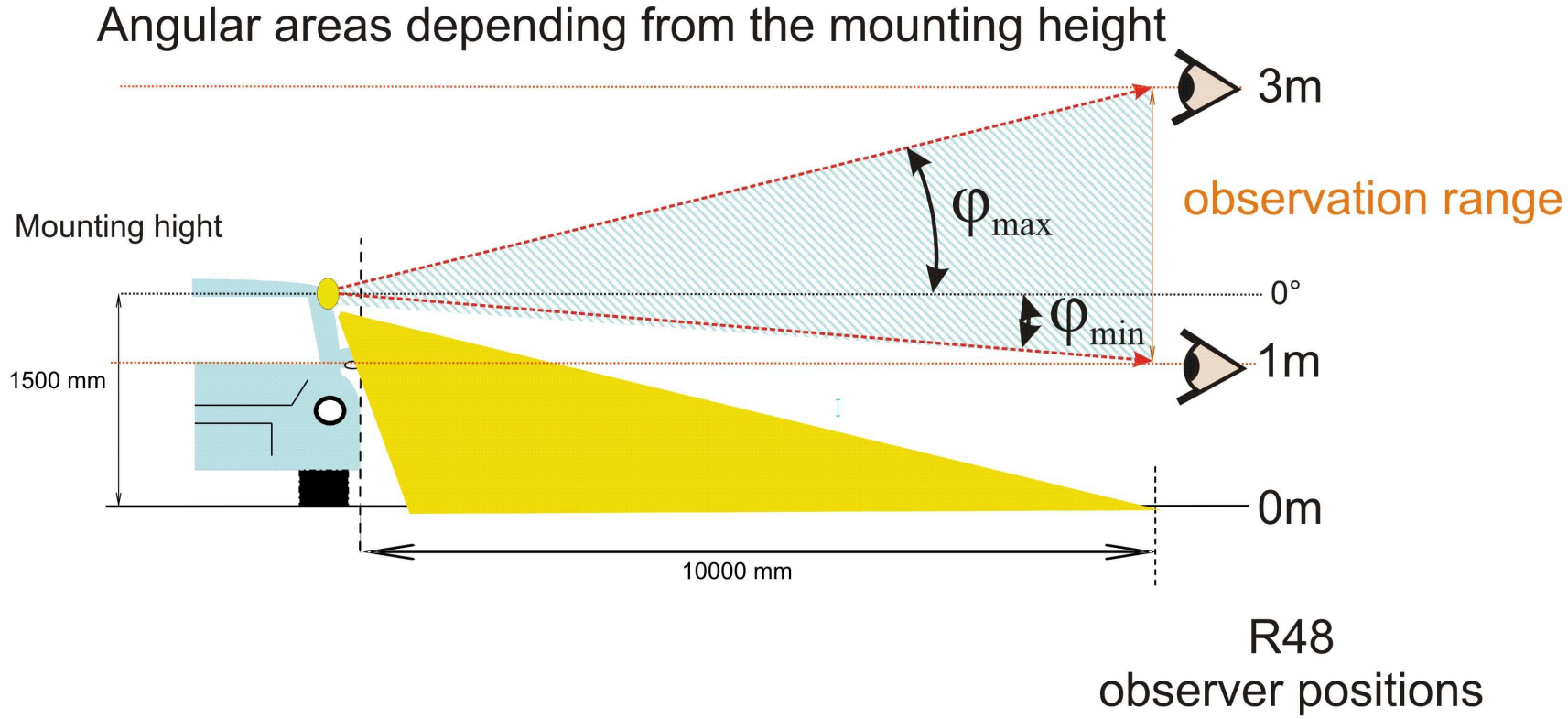


φ_{min} = arctan ((1-*mounting height*)/10); with the mounting height in m

φ_{min} = arctan ((1-*1*)/10) = arctan (0) = 0°

$\varphi_{min} = \varphi_{max}$ + 11,3 = 0 + 11.3 = 11.3°

tan(11.3) = 0.1998 → h = 0. 1998 x 10000 =1998+ 1000 = 3989 → ≈3m

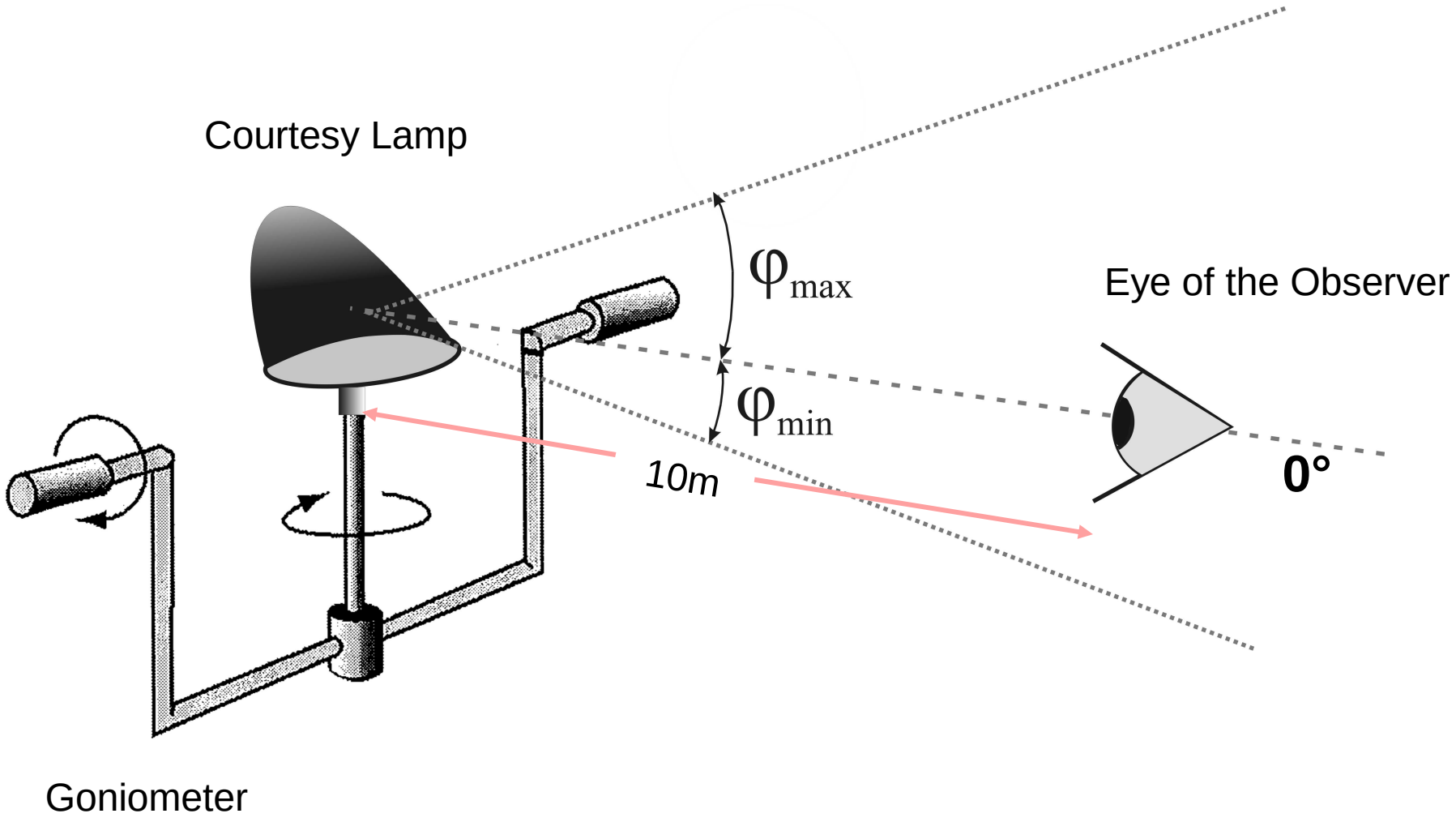


φ_{min} = arctan ((1-*mounting height*)/10); with the mounting height in m

φ_{min} = arctan ((1-*1.5*)/10) = arctan (-0.05) = -2.87°

$\varphi_{min} = \varphi_{max}$ + 11,3 = -2.87 + 11.3 = 8.43°

tan(8.43) = 0.1482 → h = 0. 1482 x 10000 =1482+ 1500 = 2982 → ≈3m


Courtesy Lamp
φmax
φmin
Eye of the Observer
10m
0°
Goniometer