

# ISO 6742-1:2023-08 (E)

## Cycles - Lighting and retro-reflective devices - Part 1: Lighting and light signalling devices

---

<b>Contents</b>		<b>Page</b>
Foreword		iv
<b>1</b>	<b>Scope</b>	<b>1</b>
<b>2</b>	<b>Normative references</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions</b>	<b>1</b>
<b>4</b>	<b>Photometrical requirements</b>	<b>3</b>
4.1	General	3
4.2	Front position lamp	3
4.2.1	Photometric requirements	3
4.2.2	Mode of illumination	4
4.3	Rear lamp	4
4.3.1	Photometric requirements	4
4.3.2	Mode of illumination	5
4.4	Stop lamp	5
4.4.1	Photometric requirements	5
4.4.2	Mode of illumination	6
4.5	Low beam	7
4.5.1	Photometric requirements	7
4.5.2	Mode of illumination	8
4.6	High beam	8
4.6.1	Photometric requirements	8
4.6.2	Mode of illumination	9
4.6.3	Additional requirements	9
4.7	Direction indicators	9
4.7.1	Photometric requirements	9
4.7.2	Mode of illumination	10
4.8	Stand light	10
4.8.1	Photometric requirements	10
4.8.2	Mode of illumination	11
4.9	Daytime running lamp	11
4.9.1	Photometric requirements	11
4.9.2	Mode of illumination	12
4.9.3	Additional requirements	12
<b>5</b>	<b>Colour requirements</b>	<b>12</b>
<b>6</b>	<b>Test methods</b>	<b>13</b>
6.1	General	13
6.2	Power supply and light source to test photometrical performances	13
6.3	Installation on test bench	14
6.4	Measuring of stop lamp activation and deactivation time	14
6.4.1	Test preparation and test conditions	14
6.4.2	Activation time	14
6.4.3	Deactivation time	14
<b>Annex A</b>	<b>(normative) Measurement of flashing light</b>	<b>15</b>
<b>Annex B</b>	<b>(normative) Colour of the light emitted</b>	<b>17</b>
<b>Annex C</b>	<b>(informative) Current source</b>	<b>18</b>
<b>Bibliography</b>		<b>19</b>