

ISO 6742-2:2023-08 (E)

Cycles - Lighting and retro-reflective devices - Part 2: Retro-reflective devices

Contents		Page
	Foreword	iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General	2
4.1	Symbols and units used.....	2
4.2	Chronological order of tests.....	3
5	Photometrical requirements	4
5.1	General.....	4
5.2	Reflectors.....	4
5.3	Retro-reflective tyres.....	6
5.4	Retro-reflective spokes or spoke cases.....	7
6	Colorimetric requirements	8
7	Physical requirements	9
7.1	Reflectors.....	9
7.1.1	Construction.....	9
7.1.2	Test methods.....	9
7.2	Retro-reflective tyres.....	10
7.2.1	Form and location.....	10
7.2.2	Test methods.....	10
7.3	Retro-reflective spokes or spoke cases.....	12
7.3.1	Construction.....	12
7.3.2	Test methods.....	12
8	Photometric test	13
8.1	General.....	13
8.1.1	Instrumentation arrangement.....	13
8.1.2	Source of illumination.....	14
8.1.3	Receiver.....	14
8.1.4	Observation distance.....	14
8.1.5	Illuminance at the reflector.....	14
8.2	Reflectors.....	15
8.2.1	Principle.....	15
8.2.2	Reflector mount (or support).....	15
8.2.3	Test area of reflector.....	15
8.2.4	Orientation of reflector.....	15
8.3	Retro-reflective tyres.....	15
8.3.1	Principle.....	15
8.3.2	Test method.....	15
8.4	Retro-reflective spokes or spoke cases.....	16
8.4.1	Testing assemblies for retro-reflective spokes and spoke cases.....	16
8.4.2	Test method.....	16
9	Colorimetric test	17
9.1	Instrumental measurements.....	17
9.2	Visual comparison.....	17
9.3	Use of methods.....	17
10	Marking	17
	Annex A (informative) Alternative test method for Group B using negative pressure	18
	Bibliography	19