



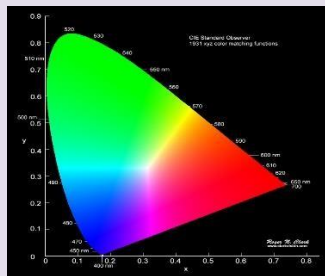
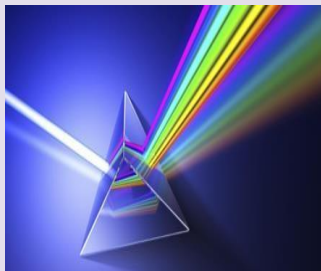
CIRT
Excellence in Transport

CENTRAL INSTITUTE OF ROAD TRANSPORT

सेन्ट्रल इन्स्टीट्यूट ऑफ रोड ट्रांसपोर्ट



PHOTOMETRY LABORATORY



ABOUT

Our organization specializes in testing & certification of automotive components of vehicles. Last 20 years photometry lab supporting to automotive industries for their development, research and certification of automotive components lighting and light signaling devices of vehicles.

MAJOR TEST CAPABILITIES

- ♣ Head Lamp
- ♣ Front & Rear Position Lamp
- ♣ Tail Lamp
- ♣ Stop Lamp
- ♣ Fog Lamp
- ♣ Reversing lamp
- ♣ Direction Indicator
- ♣ Rear Registration Plate Lamp
- ♣ Auto Bulb
- ♣ Rear View Mirror
- ♣ Direction Indicator
- ♣ Side Marker Lamp
- ♣ Reflex Reflector
- ♣ LED Display Board
- ♣ E-ticketing Machine
- ♣ LED Roof Light

MAJOR EQUIPMENTS IN PHOTOMETRY LAB

Photo-goniometer



Range :- 0 – 5000 Lux

Integrating sphere



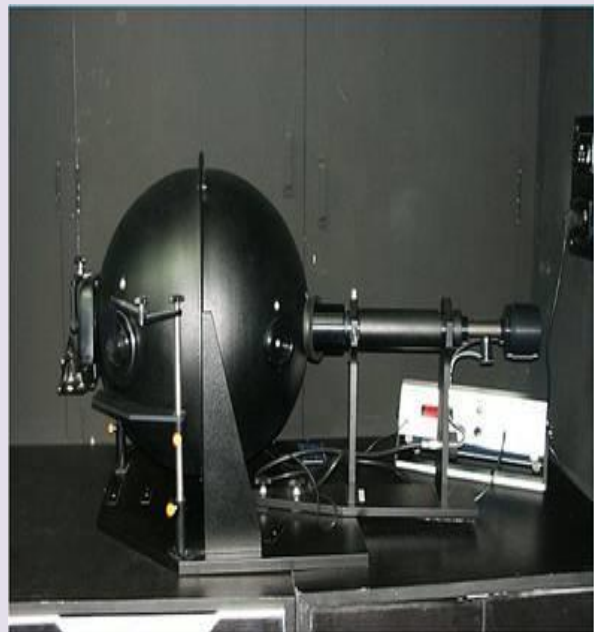
Range :- 0 – 5000 Lumen

Retroreflection Measuring
Unit Retro 2000



Range :- 0 – 5000 Lux

Reflectance and Transmittance



Range :- Reflectance:- 0 – 100%

KEY TEST FACILITIES IN PHOTOMETRY LAB

Sr. No.	Test Item	Specification
1.	Auto Bulbs	AIS-034 (Amd. No.1 & Amd. No. 2) AIS-034(Part 1) (Rev.1):2010 and Amdl. No.
2.	Headlamps emitting an Asymmetrical Passing Beam	AIS-010 (Part1) (Rev.1):2010
3	Headlamps emitting a Symmetrical Passing Beam	AIS-010 (Part2) (Rev.1):2010
4.	Approval of Front Position Lamps, Rear Position Lamps, Stop Lamps, Direction Indicators, Rear-Registration Plate Illuminating Devices and Reversing Lamp	AIS-010 (Part3) (Rev.1):2010
5.	Headlamps equipped with Gas Discharge Light Sources	AIS-010 (Part 4) (Rev.1):2010
6.	Chromaticity Co-ordinates of Colour of Light emitted from Lighting and Light Signalling Devices	AIS-010 (Part 5) (Rev.1):2010
7.	Front Fog Lamps for Motor Vehicles	AIS-012 (Part 1) (Rev. 1):2011

8.	Rear Fog Lamps for Motor Vehicles	AIS-012 (Part 2) (Rev. 1):2011
9.	Cornering Lamps for Motor Vehicles	AIS-012 (Part 3) (Rev. 1):2011
10.	Rear Registration Plate (Mark) Illuminating Lamps for Motor Vehicles	AIS-012 (Part 4) (Rev.1):2011 and Amd. 1
11.	Direction Indicators for Motor Vehicles	AIS-012 (Part 5) (Rev. 1):2011
12.	Front and Rear Position (Side) Lamps, Stop-Lamps and End-outline Marker Lamps for Motor Vehicles	AIS-012 (Part 6) (Rev.1): 2011 and Amd. 1
13.	Reversing Lamps for Motor Vehicles	AIS-012 (Part 7) (Rev. 1):2011
14.	Parking Lamps for Motor Vehicles	AIS-012 (Part 8) (Rev. 1):2011
15.	Side-Marker Lamps for Motor Vehicles	AIS-012 (Part 9) (Rev. 1):2011
16.	Daytime Running Lamps for Motor Vehicles	AIS-012 (Part 10)(Rev. 1):2011
17.	Reflex Reflector	AIS:057 Rev.1 :2010
18.	Rear View Mirror	AIS:001:Part.1:Rev.1:2011 & AIS:001:Part.2:Rev.1:2011
19.	E-ticket machine	AS:447:75:MAY:2010
20.	LED display Board	AS:446:81:MAR:2014
21.	LED Roof Light Assy	AS:477:82:JUL:2015

CONTACT US

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