NAKSYS

AIRFIELD LIGHTING CALIBRATION

CALIBER
Mobile system

Compliance :

Compliant ICAO

Compliant FAA

Certified STAC

Inset/elevated runway lights:

- Approach
- Wing Bars
- Threshold
- Centre line
- Runway edge
- Touch down zone
- Runway End

Inset taxiway lights:

- Centre line
- Stop Bar

Main features:

Horizontal scan

Vertical scan

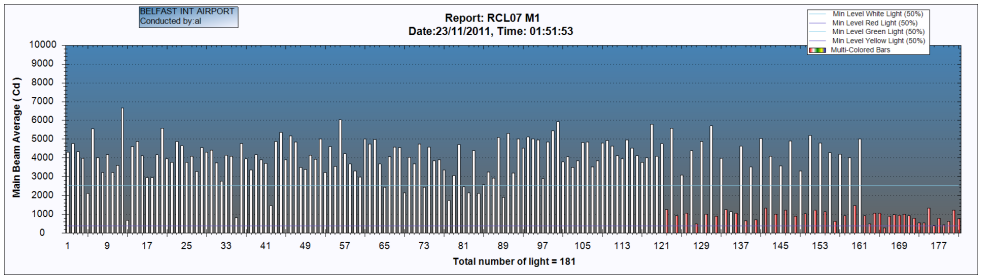
Speed up to 80 Km/h

Repeatability	< 5%
Reproductibility	< 10%
Accuracy	< 15%

The CALIBER System is the certified mobile equipment for photometric calibration of the Airfield Ground Lighting (AGL) system.

The system performes calibrations as per the standards specified in the ICAO Annex 14 Vol 1 Edition 2009 and the FAA circular AC 150/5345-46C.

The Caliber system is the new generation of real-time equipments using light sensors technology to measure in situ the photometric performance of each light fitting installed on the runways and taxiways. The Caliber inherits more than 10 years of R&D, customer satisfaction and extensive testing on site. The system comes with advanced controls and functions to provide easiness for operators with increased performance and precision.



The system provides instantaneously on site the measurement reports and actions for the maintenance plan.

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AIRFIELD LIGHTING CALIBRATION

CALIBER

Mobile system

The Caliber is a compact and integrated system to be installed easily and steadily in any vehicle.

The system uses accurate photometric sensors to measure precisely the illuminance of light beams and an accurate distance sensor to record precisely the measurement data samples positions. The system provides facilities to view and print the measurement reports instantly on site.

Report details :

- Report file (name)
- Agent, date, time
- Compliant or not
- % ICAO tolerance
- % passed and faulty lights
- number of passed and faulty lights

Light details :

- Average intensity
- Max intensity
- Max. point position
- Ratio
- % ICAO Compliant
- Pass or fail status
- DGPS position
- Color
- Alignement information

High isocandela diagram :

- ICAO theorical ellipse
- Light ellipse
- Color scale value
- Light selection list

Bar chart :

Report file: RCL07 M1
Measurement run by: al
Date: 23/11/2011
Time: 01:51:53
Scanning Direction: Forward

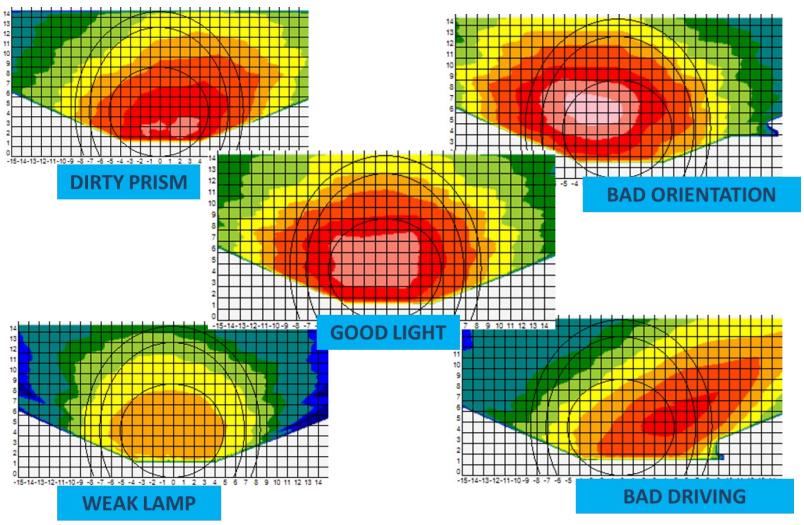
Compliance of AGL Function: not compliant
Unserviceable lights tolerance (% ICAO): 5

Passed Light (%): 85 **Faulty Light (%):** 15
Number of passed Lights: 154 **Number of faulty Lights:** 27

LIGHTS LIST

Light No	Light Ref	Avg (Cd)	Max Beam (Cd)	Max Beam (V°)	Max Beam (H°)	Ratio	ICAO (%)	Status	Xgps	Ygps	Color	Algt
1	Unknown	4307	9994	9,2	-2,5	6,48	86	PASS	5439,76256	611,78653	W	G
2	Unknown	4776	9320	7,9	0	6,15	96	PASS	5439,75912	611,79951	W	G
3	Unknown	4338	7147	7,6	0	5,51	87	PASS	5439,75563	611,8123	W	G
4	Unknown	3993	8769	8,3	2,3	15,69	80	PASS	5439,75228	611,8247	W	G
5	Unknown	2105	8362	9,6	-2,7	7,82	42	FAIL	5439,74876	611,8378	W	G
6	Unknown	5548	9137	8,1	0	6,02	111	PASS	5439,74548	611,84994	W	G

The system can be operated from a standard laptop computer offering the possibility to the user to conduct further analysis or printings in the office using the same computer. The system scans the light beam in high-definition by storing maximum approximately more than 25000 digital samples per light. The system holds the certification from Civil Aviation Authority covering the horizontal scan, the vertical scan and both forward and backward acquisition modes.



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