



**ELECTROTECHNICAL TESTING INSTITUTE**  
**Pod Lisem 129**  
**171 02 Praha 8 - Troja**

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No. of the Test Report: 400220-01/01

Issued:23.1.2014



## TEST REPORT

**Name of product:** Searchlights  
**Type of product:** LX50 II, LX70  
**Ratings:** -  
**Serial number:** -  
**Manufacturer:** LEMAX s. r. o.  
Půlkruhová 158/1, 160 00 Praha 6, Czech Republic  
**Production site:** LEMAX s. r. o.  
Půlkruhová 158/1, 160 00 Praha 6, Czech Republic  
**EZÚ product coding system:** 01  
**Ordering firm:** LEMAX s. r. o.  
Půlkruhová 158/1, 160 00 Praha 6, Czech Republic  
**Number of tested samples:** 1 + 1  
**Samples submitted on:** 16.1.2014  
**Location of testing:** EZÚ  
**Tested from** 21.1.2014 **through** 23.1.2014  
**Other data:** -  
**The product was tested according to:** According to the client's requirements.

The test results contained in this report refer to the tested items only. The values presented in this report were measured with the accuracy specified in the testing regulations. All measuring instruments used are properly traceable.

This Report shall not be reproduced except as a whole.

Compiled by: Zdeněk Dvořák

Approved by:

Ing. Jiří Vlach  
Testing laboratory  
technical manager



### Description of tested sample

Following products were submitted for testing by the customer: Searchlights LEMAX LX50 II and LEMAX LX70 – both are battery discharged lamps.

### Description of testing

The testing was made in accordance with the customer's requirements and based on ANSI NEMA FL1 standard.

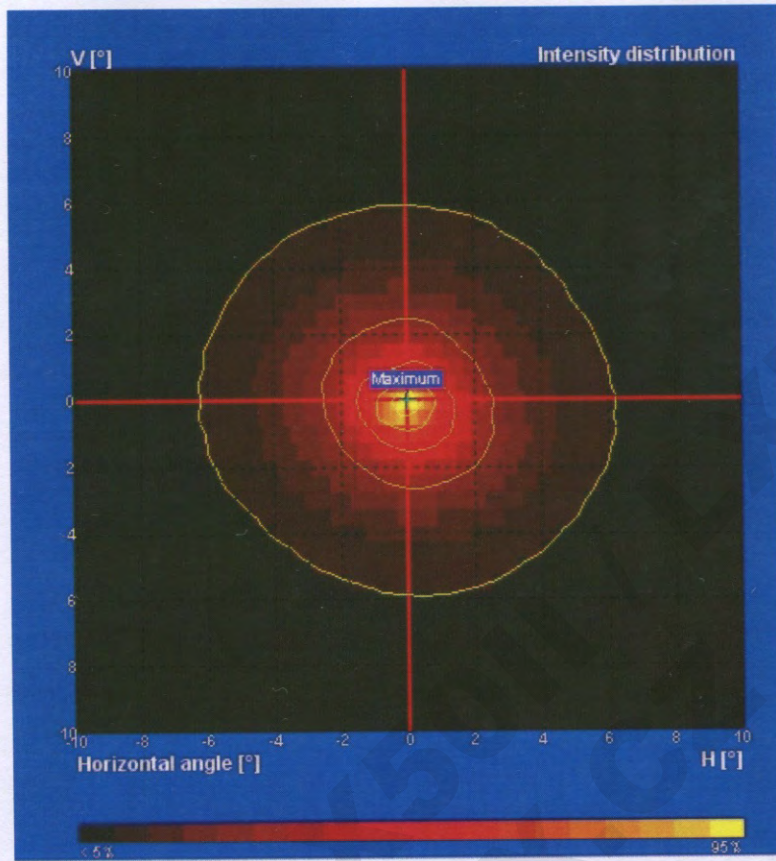
1. Peak Beam Intensity (Light intensity in candela (cd) at the brightest part of the beam.)
2. Beam Distance (The distance in meters at which the flashlight produces a light intensity of 0.25 lux.)

#### Searchlights LEMAX LX50 II

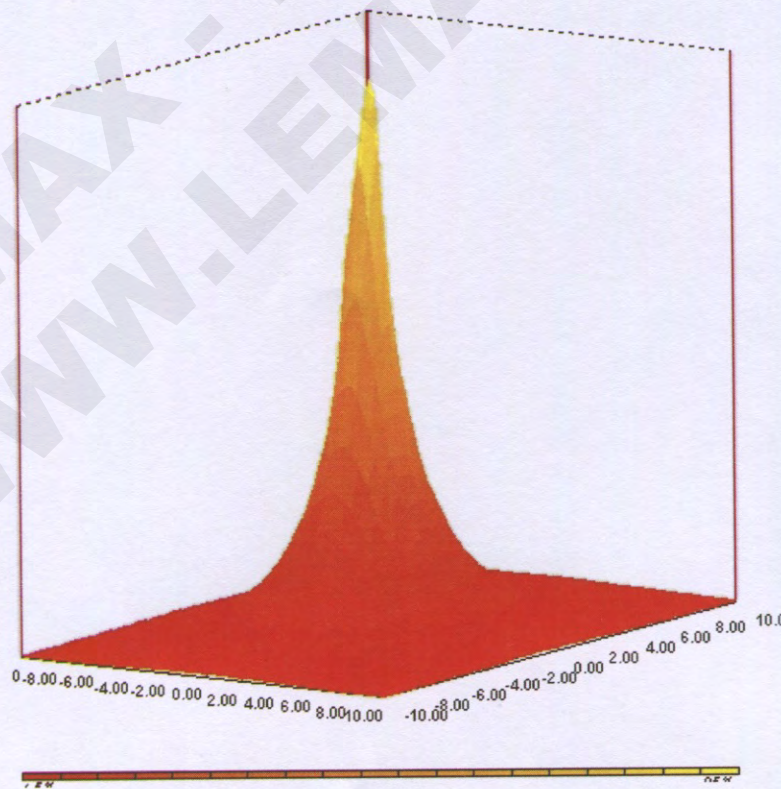
Peak Beam Intensity	Power mode	Beam Distance	further information
318 100 cd	Lo	1 128 m	after 60 sec.
532 100 cd	Hi	1 458 m	after 60 sec.

Distance	Illuminance	Power mode	further information
500 m	1,27 lx	Lo	after 60 sec.
	2,13 lx	Hi	
1 000 m	0,32 lx	Lo	
	0,53 lx	Hi	
1 200 m	0,22 lx	Lo	
	0,37 lx	Hi	
1 500 m	0,14 lx	Lo	
	0,24 lx	Hi	

# Searchlights LEMAX LX50 II



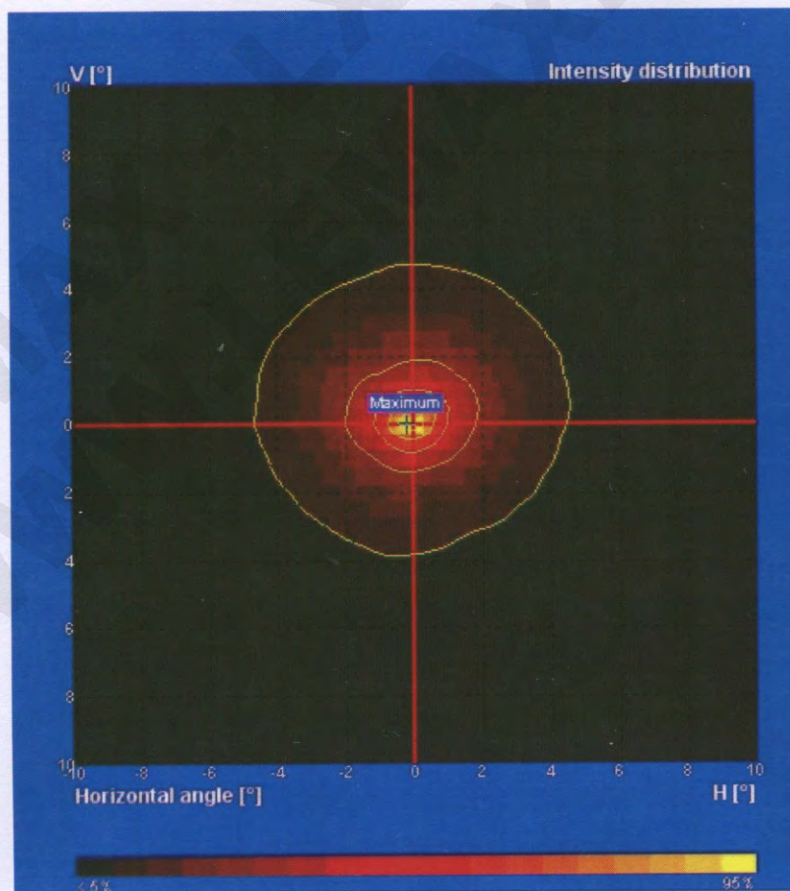
Intensity distribution



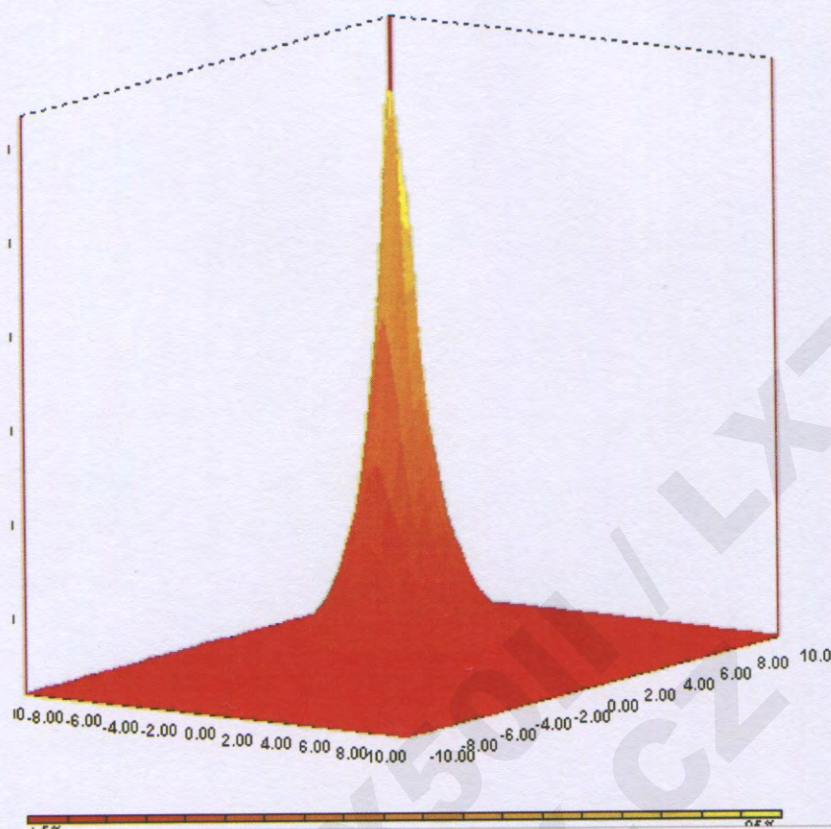
### Searchlights LEMAX LX70

Peak Beam Intensity	Power mode	Beam Distance	further information
925 000 cd	Lo	1 923 m	after 60 sec.
1 307 000 cd	Hi	2 286 m	after 60 sec.

Distance	Illuminance	Power mode	further information
500 m	3,70 lx	Lo	after 60 sec.
	5,23 lx	Hi	
1 000 m	0,93 lx	Lo	
	1,31 lx	Hi	
1 200 m	0,64 lx	Lo	
	0,91 lx	Hi	
1 500 m	0,41 lx	Lo	
	0,58 lx	Hi	



Intensity distribution



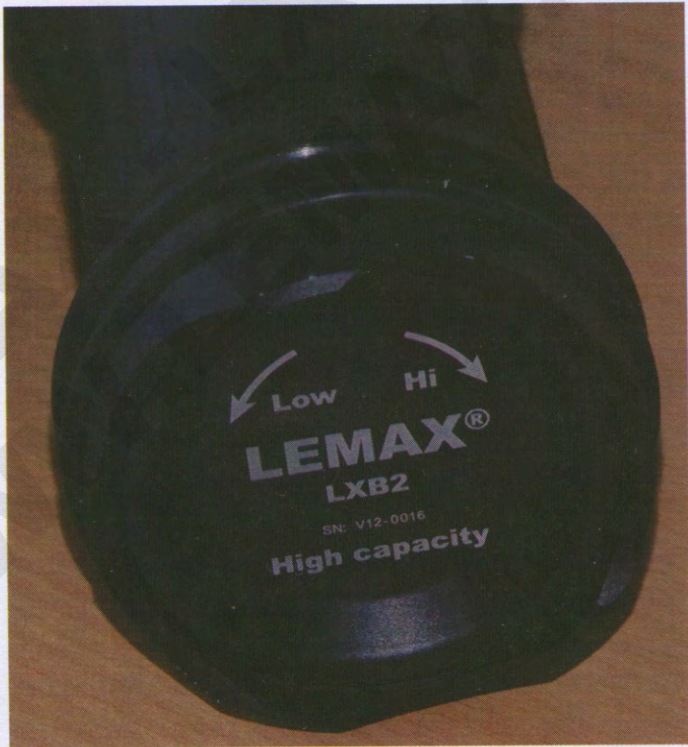
Used measuring equipment: Goniometer GOH 1300 i.č. 6037

Tested by: Zdeněk Dvořák

Date: 23.1.2014

**Photo documentation**  
*Searchlights LEMAX LX50 II*





Searchlights LEMAX LX70

