

CLIENT	Cooper MEDC Ltd Unit B, Sutton Parkway, Oddicraft Lane, Sutton in Ashfield, NG17 5FB United Kingdom	CERTIFICATE NUMBER	AXTF14010-09-Issue 3
		PROJECT NUMBER	AXTF14010
		CLIENTS ORDER NUMBER	BT001

EQUIPMENT UNDER TEST	15 Joules Xenon Beacon
MODEL NUMBER	XB15
SERIAL NUMBER	205766487 40 01

TEST SPECIFICATION / ISSUE	BS EN60068-2-1:2007, BS EN60068-2-2:2007, BS EN60068-2-30:2005 BS EN60068-2-6:2008, BS EN60068-2-52:1996, BS EN 60092-504:2001 BS EN60945:2002, IEC60945:2002
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DATE OF TEST	21 st June – 10 th OCTOBER 2014
TESTS APPLIED	BS EN60068-2-1: Environmental testing - Cold (Test A) BS EN60068-2-2: Environmental testing – Dry Heat (Test B) BS EN60068-2-30: Environmental Testing – Damp Heat (Test Db) Cyclic BS EN60068-2-6: Vibration (Sinusoidal), Test Fc BS EN60068-2-52: Environmental Testing, Salt mist – Cyclic (Test Kb) BS EN60945: Maritime navigation and radio communication equipment and systems – General Requirements

RESULT OF TEST	There was no noticeable deterioration or damage following the testing. See below for test details.
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DETAILS OF APPLIED TESTS

Vibration Testing

The equipment was mounted to the vibration table and the following test levels applied:

Frequency	2 to 100Hz
Maximum Acceleration:	0.7g
Sweep rate:	1 Octave/Minute
Quantity:	1 sweep per axis
Directions:	Each of three main axis
Endurance dwell Freq:	30Hz (x,y,z)

Low Temperature

The equipment was exposed to a temperature of -20DEGC for a period of 16 hours

Dry Heat

The equipment was exposed to a temperature of +70DEGC for a period of 16 hours



EMC (BS EN 60945)

Conducted LF Immunity	Compliant
Conducted RF Immunity	Compliant
Radiated RF Immunity	Compliant
Fast Transient Immunity	Compliant
Surge Immunity	Compliant
Electrostatic Discharge	Compliant
Radiated Emissions	Compliant
Conducted Emissions	Compliant
Power Supply Variation	Compliant

Salt Mist

The equipment was exposed to 2 hours of 5% NaCl spray, and then subjected to a 40DEGC 95% RH atmosphere for 7 days. This cycle was repeated a total of four times.

Approved By :

A handwritten signature in blue ink, appearing to read 'A. Dixon'.

Date: 21 October 2014

Aaron Dixon
Test Laboratory Manager