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Report No. 101617246CRT-001

Carmanah Technologies Corp.

250 Bay Street
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Standards

Transport Canada, Canadian Aviation Regulations 2012-1, Standard 621- Obstruction Marking and Lighting, Last Revised 2012/06/01

Australian Government, Civil Aviation Safety Authority, Manual of Standards Part 139-Aerodromes, Version 1.11, Volume 2, November 2013

U.S. Department of Transportation, Federal Aviation Administration, Advisory Circular, Specification for Obstruction Lighting Equipment, AC No. 150/5345-43G dated 9/26/2012.

International Civil Aviation Organization Standards and Recommended Practices (ICAO), Annex 14, Aerodromes Volume 1 (Aerodrome Design and Operations), Sixth Edition July 2013, International Civil Aviation Organization

Purpose: Photometric, and Color Compliance Testing for FAA, ICAO, TC, CASA

Type: L-810 Obstruction Light, Low Intensity Obstacle Light, Type A/ Type B Obstacle Light, CL810 Obstruction Light

Test Dates: 4/25/2014

Revision Note: *Administrative and format changes made to photometry and chromaticity pages.
Administrative changes made to Index and Sample pages.*

Kyle J. Michael
Senior Associate Engineer
Lighting

Jeremy N. Downs PE
Staff Engineer
Lighting

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Test Plan and Datasheets				
Client	Carmanah Technologies Corp.		Engineer	Kyle Michael
Project	G101617246		Reviewer	Jeremy Downs
Product	L-810 Obstruction Light-FAA , Low intensity obstacle light- CASA, Type A/Type B Obstacle Lights-ICAO, CL810 Obstruction Light-TC		Model(s)	Standard OL800
Standards	TC, Standard 621 Obstruction Marking and Lighting, Last Revised 2012/06/01 CASA, Manual of Standards Part 139-Aerodromes, November 2013 FAA, Advisory Circular, Specification for Obstruction Lighting Equipment, AC No. 150/5345-43G, dated 9/26/2012 ICAO, Annex 14, Aerodromes Volume 1 (Aerodrome Design and Operations), Sixth Edition July 2013			
AC No.	Test name		Clause	Pass Fail NA
43G	Photometry		3.4.1.2	Pass
43G	Chromaticity		3.3.3	Pass
ICAO	Photometry		6.2.1.2	Pass
ICAO	Chromaticity Type A (Appendix 1 Para. 2.1.1)		2.1.1 (A)	Pass
ICAO	Chromaticity Type B (Appendix 1 Para.2.1.1)		2.1.1 (B)	Pass
TC	Photometry		13-2	Pass
TC	Chromaticity		3.3.3	Pass
CASA	Photometry(Paragraph 9.4.6.2 - 10cd only)		9.4.6.2	Pass
CASA	Chromaticity		9.2.2.1	Pass