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Issue Date: January, 14, 2014
Project No. G101279825

Report No. 101279825CRT-002

TEST OF A704-H SOLAR POWERED RUNWAY LIGHT

**RENDERED TO
Carmanah Technologies Corporation**

250 Bay Street
Victoria
British Columbia
Canada
V9A 3K5
Standards

U.S. Department of Transportation, Federal Aviation Administration, Advisory Circular, Specification for Runway and Taxiway Light Fixtures, AC No. 150/5345-46D dated 5/19/2009.

U.S. Department of Transportation, Federal Aviation Administration, Memorandum, Light Sources Other Than Incandescent and Xenon For Airport and Obstruction Lighting Fixtures. Engineering Brief 67D dated 3/06/2012.

Purpose: Testing of Battery/ Solar Powered Elevated LED Light
Model(s): A704-H

Dates of Testing: October 1, 2013 through October 8, 2013

Mike Guy
Associate Engineer
Lighting

Jeremy N. Downs PE
Staff Engineer
Lighting

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Summary			
Client	Carmanah Technologies Corporation	Engineer	Mike Guy
Project	G101279825	Reviewer	Jeremy Downs
Product	Solar Power Elevated Light	Model(s)	A704-H
Standard(s)	U.S. Department of Transportation, Federal Aviation Administration, Advisory Circular, Specification for Runway and Taxiway Light Fixtures, 150/5345-46D Dated 5/19/2009 Engineering Brief No. 67D, Dated 03/06/12		

AC No.	Test name	Clause	Pass Fail NA
46D	Photometry	4.3	na
EB67D	Chromaticity L-861 White	4.3.2	Pass
EB67D	Chromaticity L-862 White	4.3.2	Pass
EB67D	Chromaticity L-861SE Red	4.3.2	Pass
EB67D	Chromaticity L-861SE Green	4.3.2	Pass
EB67D	Chromaticity L-862E Red	4.3.2	Pass
EB67D	Chromaticity L-862E Green	4.3.2	Pass



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Issue Date: January, 24, 2014
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Report No. 101279825CRT-004

**RENDERED TO
Carmanah Technologies Corporation**

250 Bay Street
Victoria
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V9A 3K5
Standards

U.S. Department of Transportation, Federal Aviation Administration, Advisory Circular, Specification for Runway and Taxiway Light Fixtures, AC No. 150/5345-46D dated 5/19/2009.

U.S. Department of Transportation, Federal Aviation Administration, Memorandum, Light Sources Other Than Incandescent and Xenon For Airport and Obstruction Lighting Fixtures. Engineering Brief 67D dated 3/06/2012.

Purpose: Testing of Battery/ Solar Powered Elevated LED Light

Type: L-861 and L-861E

Model(s): A704-H

Dates of Testing: October 1, 2013 through October 8, 2013

Mike Guy
Associate Engineer
Lighting

Jeremy N. Downs PE
Staff Engineer
Lighting

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Project	G101279825	Reviewer	Jeremy Downs
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AC No.	Test name	Clause	Pass Fail NA
46D	Photometry L-861	Table 3	Pass
46D	Photometry L-861E	Table 3	Pass
EB67D	Chromaticity L-861 White	4.3.2	Pass
EB67D	Chromaticity L-861E Red	4.3.2	Pass
EB67D	Chromaticity L-861E Green	4.3.2	Pass