

LEXINGTON LIGHTING GROUP LLC DBA VANTAGE LTG DBA WILSHIRE MFG

TEST REPORT

SCOPE OF WORK

Electrical and Photometric tests as required to the IESNA test standard.

MODEL NUMBER
V6CORU-3035K-M

REPORT NUMBER
103268734CRT-010

ISSUE DATE
October 24, 2017

REVISION DATE
None

DOCUMENT CONTROL NUMBER
TBD
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TEST REPORT

REPORT NO.: 103268734CRT-010

REPORT DATE: October 24, 2017

TEST OF ONE LED RECESSED DOWNLIGHT

MODEL NO. V6CORU-3035K-M
LED MODEL NO. BRIDGELUX VERO 13
DRIVER MODEL NO. HATCH LC-30

RENDERED TO:

LEXINGTON LIGHTING GROUP LLC DBA VANTAGE LTG DBA WILSHIRE MFG
181 NARRAGANSETT PARK DRIVE
EAST PROVIDENCE, RI 02916

STATEMENT OF LIMITATION

NVLAP Lab Code 100402-0. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

AUTHORIZATION

The testing performed was authorized by signed quote number Qu-00828326.

STANDARDS USED

IESNA LM-79 - 2008: Electrical and Photometric Measurements of Solid State Lighting

DESCRIPTION OF SAMPLE

The client submitted one production sample of model number V6CORU-3035K-M. The sample was received by Intertek on October 9, 2017 in undamaged condition and one sample was tested as received. The sample designation was CRT1710090937-002-5.

DATE OF TESTS

October 22, 2017.

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REPORT DATE: October 24, 2017

SUMMARY

MODEL NO:	V6CORU-3035K-M
DESCRIPTION:	LED Recessed Downlight

CRITERIA	RESULTS
Lumen Output (lumens)	2301.9
Input Power (W) @ 120 (VAC)	27.89
Lumen Efficacy (lm/W)	82.5
Input Power Factor () @ 120 (VAC)	0.992

EQUIPMENT LIST

EQUIPMENT USED	MODEL NO.	CONTROL NO.	LAST CAL DATE	CAL DUE DATE
LSI High Speed Mirror Goniometer	6440	---	10/6/2017	11/6/2017
Elgar AC Power Supply	CW1251	---	VBU	VBU
Sorenson DC Power Supply	XG 150-10	---	VBU	VBU
Yokogawa Power Analyzer	WT210	E464	5/2/2017	5/2/2018
Omega Thermometer	DPI8-C24	M263	5/2/2017	5/2/2018
M-D Building Products Digital Level	Smart Tool	L112	4/4/2017	4/4/2018
NIST Luminous Intensity Standard Source	NBS10322	N1427	1/9/2017	1/9/2019
NIST Luminous Intensity Standard Source	NBS10332	N1435	1/9/2017	1/9/2019
NIST Luminous Intensity Standard Source	NBS10265	N1437	1/9/2017	1/9/2019
NIST Luminous Flux Standard Source	NBS10428	N1424	1/11/2017	1/11/2019

TEST REPORT**REPORT NO.: 103268734CRT-010****REPORT DATE: October 24, 2017****TEST METHODS****SEASONING IN SAMPLE ORIENTATION - LED PRODUCTS**

No seasoning was performed in accordance with IESNA LM-79.

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD

A Type C Mirror Goniometer was used to measure the intensity (candelas) at each angle of distribution for the SSL sample.

Ambient temperature was measured equal to the height of the sample mounted on the goniometer equipment. The SSL sample was operated on the client provided driver at rated input volts in its designated orientation. The SSL sample was allowed to stabilize for at least thirty minutes before measurements were made. Stabilization procedures to LM-79 were followed. Electrical measurements including voltage, current, and power were measured using a power analyzer.

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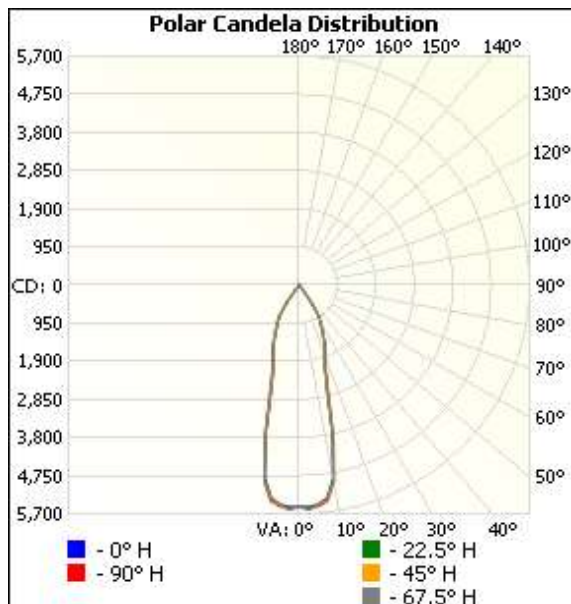
RESULTS OF TESTS

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

INTERTEK CONTROL NO.	BASE POSITION	INPUT VOLTAGE (VAC)	INPUT CURRENT (mA)	INPUT POWER (W)	INPUT POWER FACTOR ()	LIGHT OUTPUT (lm)	LUMEN EFFICACY (lm/W)
CRT1710090937-002-5	Up	120.01	234.2	27.89	0.992	2301.9	82.5

INTENSITY SUMMARY - CANDELAS

Angle	0	22.5	45	67.5	90
0	5526	5526	5526	5526	5526
5	5478	5474	5494	5502	5534
10	4878	4909	4963	4976	4959
15	2624	2614	2658	2724	2808
20	1856	1846	1830	1849	1891
25	1454	1446	1440	1428	1420
30	1057	1058	1060	1051	1042
35	497	551	547	545	533
40	49	56	55	54	54
45	0	0	0	1	1
50	0	0	0	0	0
55	0	0	0	0	0
60	0	0	0	0	0
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0



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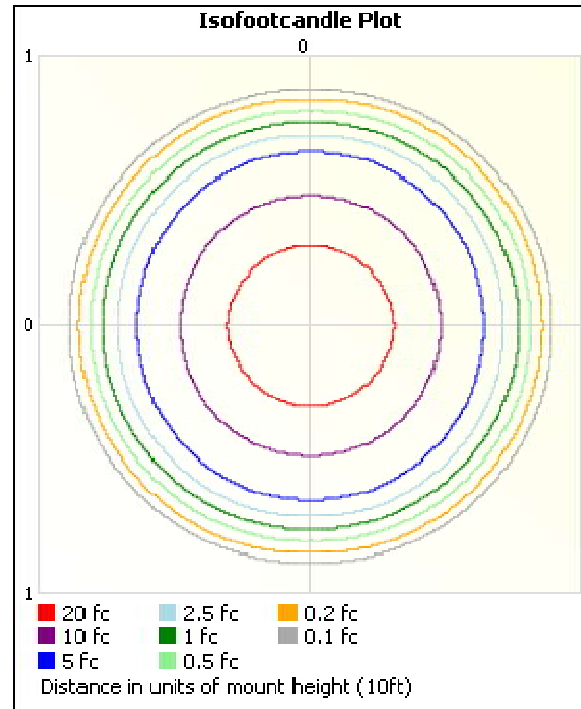
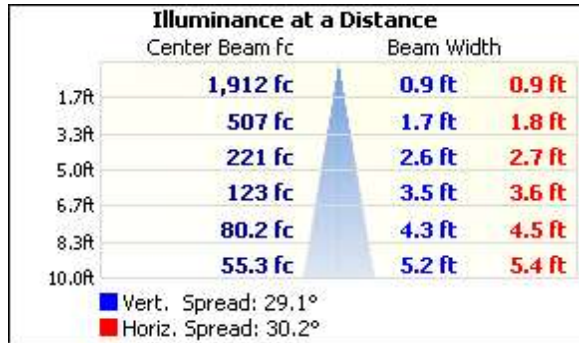
REPORT DATE: October 24, 2017

RESULTS OF TESTS

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

MOUNTING HEIGHT: 10ft

ILLUMINANCE - CONE OF LIGHT	ISOILLUMINATION PLOT
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ZONAL LUMEN SUMMARY AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	1968.7	85.5
0-40	2295.3	99.7
0-60	2301.9	100.0
60-90	0.0	0.0
0-90	2301.9	100.0
90-180	0.0	0.0
0-180	2301.9	100.0

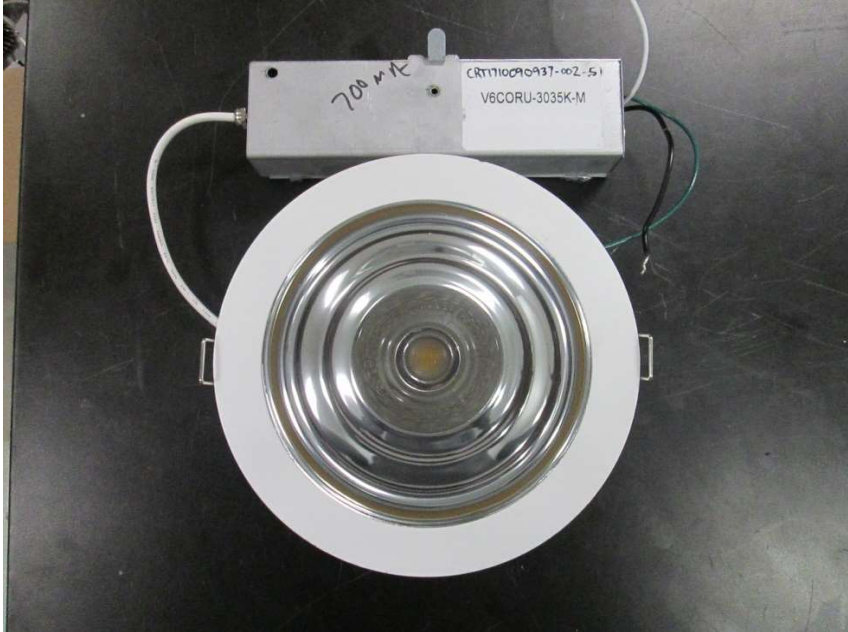
ZONE	LUMENS	% LUMINAIRE
0-10	508.5	22.1
10-20	804.2	34.9
20-30	656.0	28.5
30-40	326.6	14.2
40-50	6.6	0.3
50-60	0.0	0.0
60-70	0.0	0.0
70-80	0.0	0.0
80-90	0.0	0.0

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PICTURES



CONCLUSION

The results tabulated in this report are representative of the actual test samples submitted for this report only. The data is provided to the client for further evaluation. Compliance to the referenced specification requirements was not determined in this report.

In Charge Of Tests:

Dustin Rainbow

Dustin Rainbow
Technician II
Lighting Division

Report Reviewed By:

Melanie Brittain

Melanie Brittain
Associate Engineer
Lighting Division

Attachments: IES File

REVISION HISTORY

JOB NUMBER	DATE OF REVISION	PROJECT HANDLER	REVIEWED BY	REVISION NOTE
None				