

CORONET

TEST REPORT

SCOPE OF WORK

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

MODEL NUMBER

LS1-4FT-LTG2-3500K-UNV

PROJECT NUMBER

G103680554

REPORT NUMBER

103680554CRT-005

ISSUE DATE

October 15, 2018

REVISION DATE

None

DOCUMENT CONTROL NUMBER

RTTDS-R-AMER-Test-3407

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TEST REPORT**REPORT NO.: 103680554CRT-005****REPORT DATE: October 15, 2018**

TEST OF (1) LINEAR LUMINAIRE

MODEL NO. LS1-4FT-LTG2-3500K-UNV

RENDERED TO:

CORONET
55 SHEPARDS LANE
TOTOWA, NEW JERSEY 07512**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-00914943.

STANDARDS USED

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

SAMPLE INFORMATION

CONTROL NO.	MODEL/SERIAL NO.	DESCRIPTION	TYPE	RECEIVED
CRT1809251523-001-001	LS1-4FT-LTG2-3500K-UNV	Linear Luminaire	Production	9/25/2018

DATE OF TESTS

October 9, 2018.

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REPORT DATE: October 15, 2018

SUMMARY

MODEL NO:	LS1-4FT-LTG2-3500K-UNV
DESCRIPTION:	Linear Luminaire
LED MODEL NO:	SAMSUNG 282B+
DRIVER MODEL NO:	OSRAM OPTOTRONIC OT 50/120-277/1A4 DIM L

CRITERIA	RESULTS
Lumen Output (lumens)	2566.9
Input Power (W) @ 120 (VAC)	39.13
Lumen Efficacy (lm/W)	65.6
Input Power Factor () @ 120 (VAC)	0.997

EQUIPMENT LIST

EQUIPMENT USED	MODEL NO.	CONTROL NO.	CAL DUE DATE	DATE USED
LSI High Speed Mirror Goniometer	6440	---	11/5/2018	10/9/2018
Elgar AC Power Supply	CW1251	---	VBU	10/9/2018
Sorenson DC Power Supply	XG 150-10	---	VBU	10/9/2018
Yokogawa Power Analyzer	WT210	E464	5/3/2019	10/9/2018
Omega Thermometer	DPi8-C24	M263	5/3/2019	10/9/2018
M-D Building Products Digital Level	Smart Tool	L112	4/21/2019	10/9/2018
NIST Luminous Intensity Standard Source	NBS10322	N1427	1/9/2019	10/9/2018
NIST Luminous Intensity Standard Source	NBS10332	N1435	1/9/2019	10/9/2018
NIST Luminous Intensity Standard Source	NBS10265	N1437	1/9/2019	10/9/2018
NIST Luminous Flux Standard Source	NBS10428	N1424	1/11/2019	10/9/2018

TEST REPORT**REPORT NO.: 103680554CRT-005****REPORT DATE: October 15, 2018****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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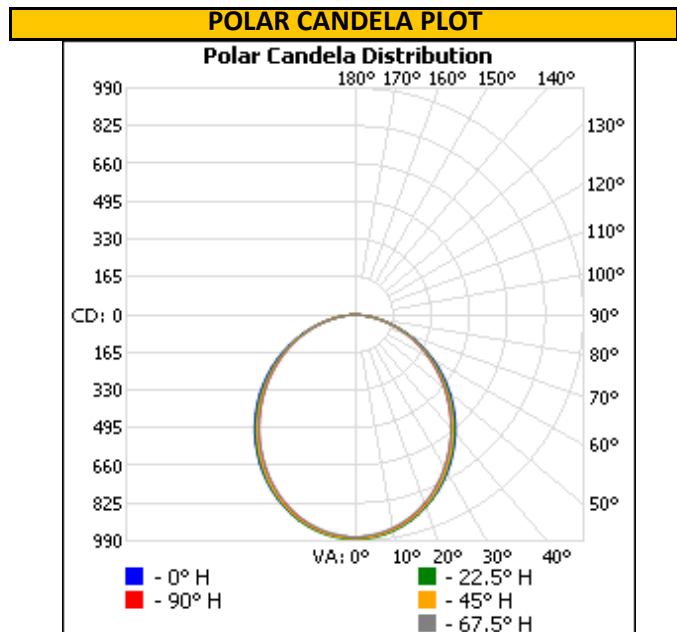
RESULTS OF TESTS

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)
CRT1809251523-001-001	Base Up	120.06	326.8	39.13	0.997	2566.9	65.6

INTENSITY SUMMARY - CANDELAS

Angle	0	22.5	45	67.5	90
0	977	977	977	977	977
5	973	977	972	963	969
10	957	960	955	945	951
15	931	932	926	916	920
20	894	895	888	877	880
25	850	848	842	829	831
30	798	794	786	773	775
35	739	735	726	712	713
40	676	670	660	648	647
45	609	602	591	580	578
50	538	531	520	510	508
55	466	458	447	439	436
60	391	384	374	367	364
65	315	309	302	296	293
70	240	236	230	226	222
75	170	166	159	156	156
80	102	98	98	95	93
85	45	42	40	38	36
90	0	0	0	0	0



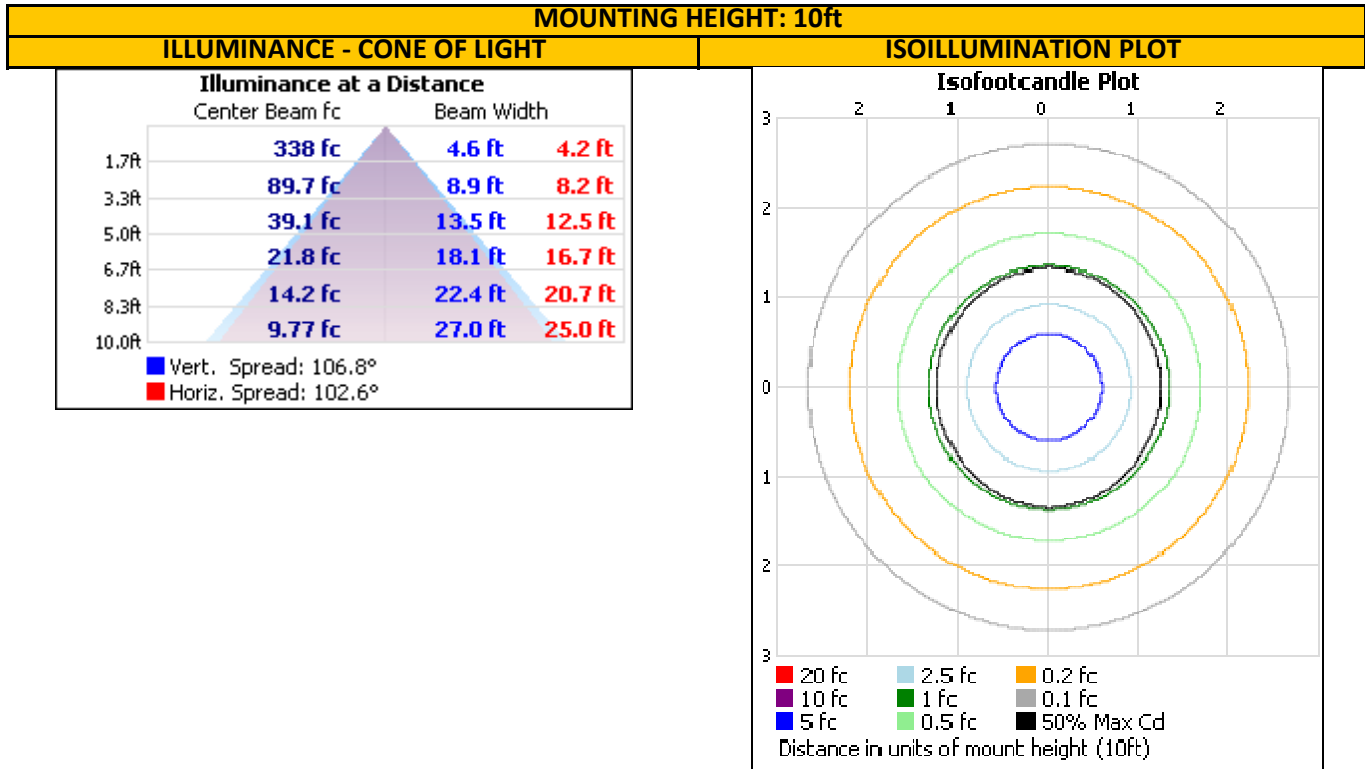
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RESULTS OF TESTS

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



ZONAL LUMEN SUMMARY AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	739.3	28.8
0-40	1192.3	46.5
0-60	2049.8	79.9
60-90	517.1	20.1
0-90	2566.9	100.0
90-180	0.0	0.0
0-180	2566.9	100.0

ZONE	LUMENS	% LUMINAIRE
0-10	92.1	3.6
10-20	260.7	10.2
20-30	386.5	15.1
30-40	453.1	17.7
40-50	456.4	17.8
50-60	401.1	15.6
60-70	299.6	11.7
70-80	171.0	6.7
80-90	46.5	1.8

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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:

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Report Reviewed By:

Jacki Swiernik

Jacki Swiernik
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Attachments: IES File

REVISION HISTORY

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