

CORONET

TEST REPORT

SCOPE OF WORK

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

MODEL NUMBER

LS1 LED 4FT LTG1 3500K

PROJECT NUMBER

G102948482

REPORT NUMBER

102948482CRT-031

ISSUE DATE

January 31, 2018

REVISION DATE

None

PAGES

7

DOCUMENT CONTROL NUMBER

RTTDS-R-AMER-Test-3444

© 2017 INTERTEK



TEST REPORT**REPORT NO.: 102948482CRT-031****REPORT DATE: January 31, 2018**

TEST OF (1) INTERIOR LINEAR LUMINARIE

MODEL NO. LS1 LED 4FT LTG1 3500K

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-00767053.

STANDARDS USED

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

SAMPLE INFORMATION

CONTROL NO.	MODEL/SERIAL NO.	DESCRIPTION	TYPE	RECEIVED
CRT1801241312-002	LS1 LED 4FT LTG1 3500K	Interior Linear	Production	1/24/2018

DATE OF TESTS

January 31, 2018.

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

TEST REPORT

REPORT NO.: 102948482CRT-031

REPORT DATE: January 31, 2018

SUMMARY

MODEL NO:	LS1 LED 4FT LTG1 3500K
DESCRIPTION:	Interior Linear Luminarie
LED MODEL NO:	SAMSUNG 282B+
DRIVER MODEL NO:	OSRAM Optotronic Oti 48/120-277/2A Dim L

CRITERIA	RESULTS
Lumen Output (lumens)	1883.1
Input Power (W) @ 120 (VAC)	27.76
Lumen Efficacy (lm/W)	67.8
Input Power Factor () @ 120 (VAC)	0.997

EQUIPMENT LIST

EQUIPMENT USED	MODEL NO.	CONTROL NO.	LAST CAL DATE	CAL DUE DATE
LSI High Speed Mirror Goniometer	6440	---	1/8/2018	2/8/2018
Elgar AC Power Supply	CW1251	---	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.: 102948482CRT-031****REPORT DATE: January 31, 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.

TEST REPORT

REPORT NO.: 102948482CRT-031

REPORT DATE: January 31, 2018

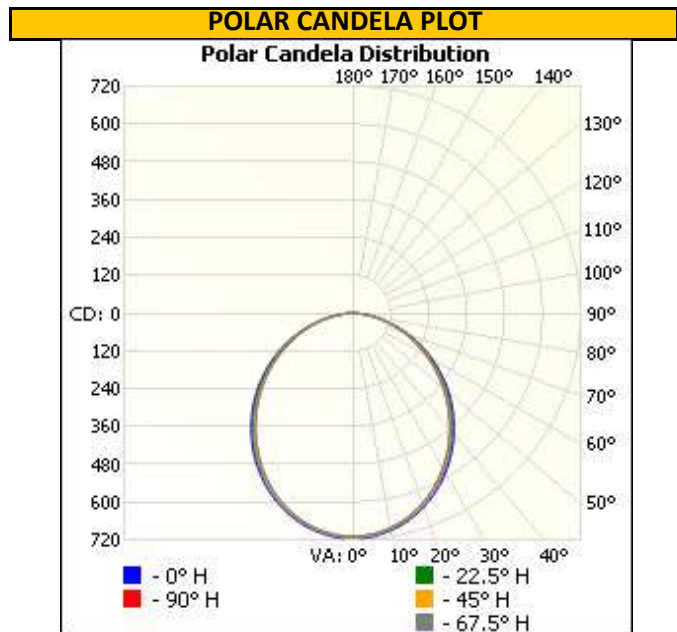
RESULTS OF TESTS

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)
CRT1801241312-002	Base Up	120.06	232.0	27.76	0.997	1883.1	67.8

INTENSITY SUMMARY - CANDELAS

Angle	0	22.5	45	67.5	90
0	711	711	711	711	711
5	712	705	708	704	708
10	700	693	695	692	694
15	681	674	675	671	674
20	655	647	647	642	645
25	623	614	613	608	610
30	585	576	574	568	570
35	543	534	530	525	526
40	497	488	483	478	478
45	448	439	433	428	428
50	397	388	381	377	376
55	343	336	328	325	323
60	289	281	275	272	270
65	234	227	221	219	216
70	178	173	168	168	166
75	125	121	118	118	117
80	76	72	71	71	70
85	35	30	30	30	30
90	0	0	0	0	0



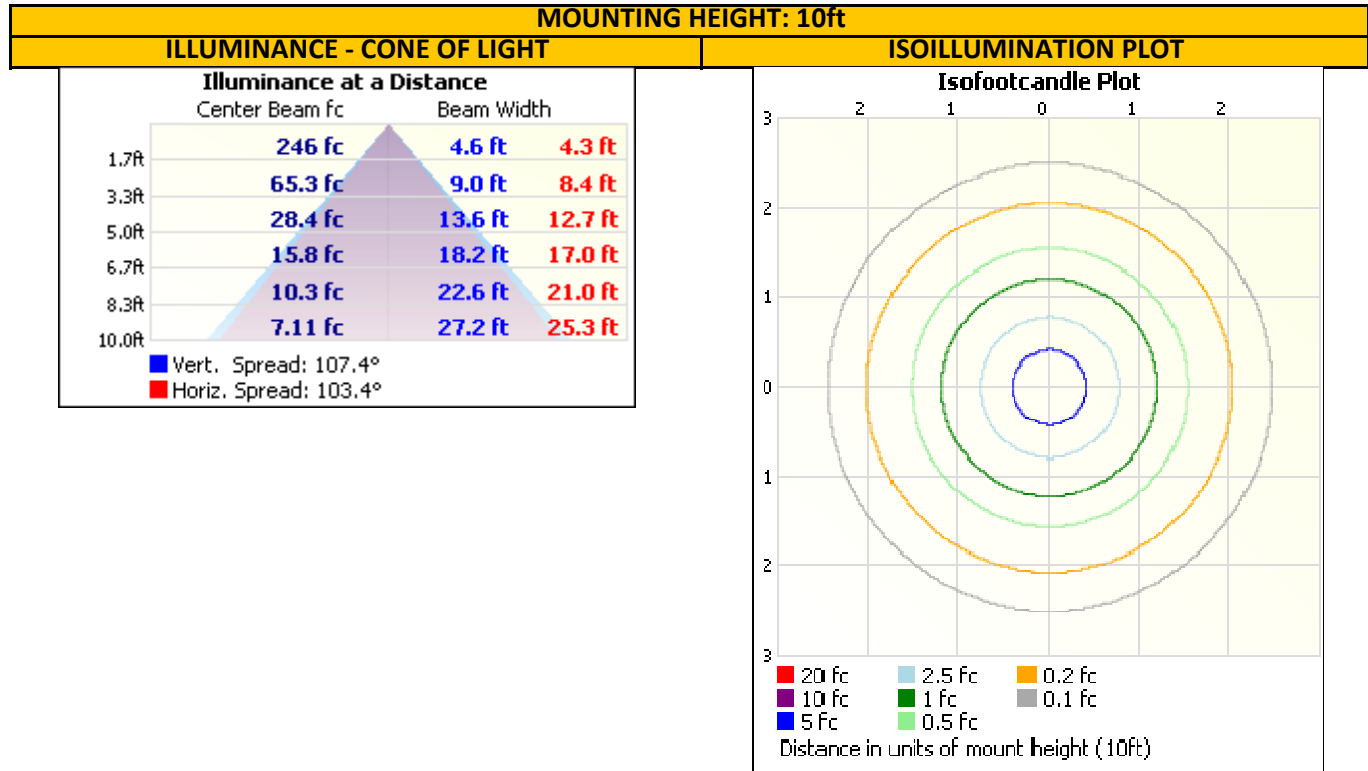
TEST REPORT

REPORT NO.: 102948482CRT-031

REPORT DATE: January 31, 2018

RESULTS OF TESTS

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



ZONAL LUMEN SUMMARY AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	539.2	28.6
0-40	871.0	46.3
0-60	1501.4	79.7
60-90	381.7	20.3
0-90	1883.1	100.0
90-180	0.0	0.0
0-180	1883.1	100.0

ZONE	LUMENS	% LUMINAIRE
0-10	67.0	3.6
10-20	189.9	10.1
20-30	282.2	15.0
30-40	331.8	17.6
40-50	335.1	17.8
50-60	295.3	15.7
60-70	220.6	11.7
70-80	126.1	6.7
80-90	35.0	1.9

End Of Test Results

TEST REPORT

REPORT NO.: 102948482CRT-031

REPORT DATE: January 31, 2018

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:



Kristie Ray
Engineer
Lighting Division

Report Reviewed By:



Jeff Davis
Engineering Supervisor
Lighting Division

Attachments: IES File

REVISION HISTORY

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