

CORONET

TEST REPORT

SCOPE OF WORK

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

MODEL NUMBER

LS1-4FT-LTG3-3500K-UNV

PROJECT NUMBER

G103680554

REPORT NUMBER

103680554CRT-006

ISSUE DATE

October 10, 2018

REVISION DATE

None

DOCUMENT CONTROL NUMBER

RTTDS-R-AMER-Test-3407

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TEST REPORT**REPORT NO.: 103680554CRT-006****REPORT DATE: October 10, 2018**

TEST OF (1) LINEAR LUMINAIRE

MODEL NO. LS1-4FT-LTG3-3500K-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
CRT1809251523-001-002	LS1-4FT-LTG3-3500K-UNV	Linear Luminaire	Production	9/25/2018

DATE OF TESTS

October 9, 2018.

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TEST REPORT

REPORT NO.: 103680554CRT-006

REPORT DATE: October 10, 2018

SUMMARY

MODEL NO:	LS1-4FT-LTG3-3500K-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)	1417.3
Input Power (W) @ 120 (VAC)	20.01
Lumen Efficacy (lm/W)	70.8
Input Power Factor () @ 120 (VAC)	0.993

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-006****REPORT DATE: October 10, 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.: 103680554CRT-006

REPORT DATE: October 10, 2018

RESULTS OF TESTS

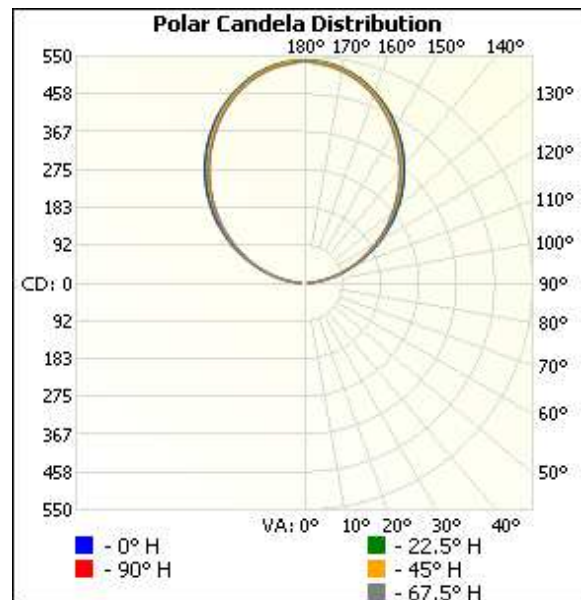
PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

INTERTEK CONTROL NO.	BASE POSITION	INPUT VOLTAGE (VAC)	INPUT CURRENT (mA)	INPUT POWER (W)	INPUT POWER FACTOR ()	LIGHT OUTPUT (lm)	LUMEN EFFICACY (lm/W)
CRT1809251523-001-002	Base Up	120.09	167.7	20.01	0.993	1417.3	70.8

INTENSITY SUMMARY - CANDELAS

Angle	0	22.5	45	67.5	90
0	0	0	0	0	0
5	0	0	0	0	0
10	0	0	0	0	0
15	0	0	0	0	0
20	0	0	0	0	0
25	0	0	0	0	0
30	0	0	0	0	0
35	0	0	0	0	0
40	0	0	0	0	0
45	0	0	0	0	0
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
95	25	24	22	21	20
100	56	55	54	53	52
105	93	91	89	88	86
110	133	130	127	125	123
115	174	171	166	164	162
120	215	212	206	204	202
125	258	252	246	243	242
130	298	294	287	282	281
135	337	333	326	320	320
140	374	370	364	358	358
145	409	406	400	393	394
150	441	438	434	427	428
155	469	468	464	457	459
160	494	494	490	483	486
165	514	514	511	505	508
170	528	530	527	521	524
175	537	539	536	531	534
180	539	539	539	539	539

POLAR CANDELA PLOT



TEST REPORT

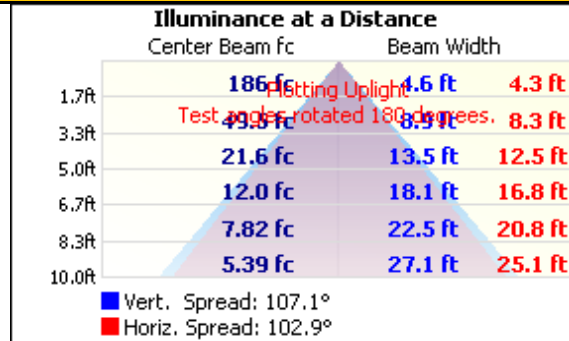
REPORT NO.: 103680554CRT-006

REPORT DATE: October 10, 2018

RESULTS OF TESTS

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

MOUNTING HEIGHT: 10ft
ILLUMINANCE - CONE OF LIGHT



ZONAL LUMEN SUMMARY AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	0.0	0.0
0-40	0.0	0.0
0-60	0.0	0.0
60-90	0.0	0.0
0-90	0.0	0.0
90-180	1417.3	100.0
0-180	1417.3	100.0

ZONE	LUMENS	% LUMINAIRE
0-10	0.0	0.0
10-20	0.0	0.0
20-30	0.0	0.0
30-40	0.0	0.0
40-50	0.0	0.0
50-60	0.0	0.0
60-70	0.0	0.0
70-80	0.0	0.0
80-90	0.0	0.0
90-100	25.9	1.8
100-110	94.6	6.7
110-120	165.6	11.7
120-130	221.5	15.6
130-140	252.0	17.8
140-150	250.0	17.6
150-160	213.2	15.0
160-170	143.7	10.1
170-180	50.8	3.6

TEST REPORT

REPORT NO.: 103680554CRT-006

REPORT DATE: October 10, 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:

Report Reviewed By:

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Attachments: IES File

REVISION HISTORY

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