



8165 E. Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L1123105125.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L1123105125
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 12/14/2023
[MANUFAC] USTE dba Vista Professional Outdoor Lighting
[LUMCAT] 1050-AS-A
[LUMINAIRE] 1050 (0.5ft), Forward Asymmetric, Low Power, White output
[BALLASTCAT] Forzlux PS6-350C-DUALDIM-UNV-PP, QTY:1
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 120VAC
[TEST PROCEDURE] IESNA:LM-79-19

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

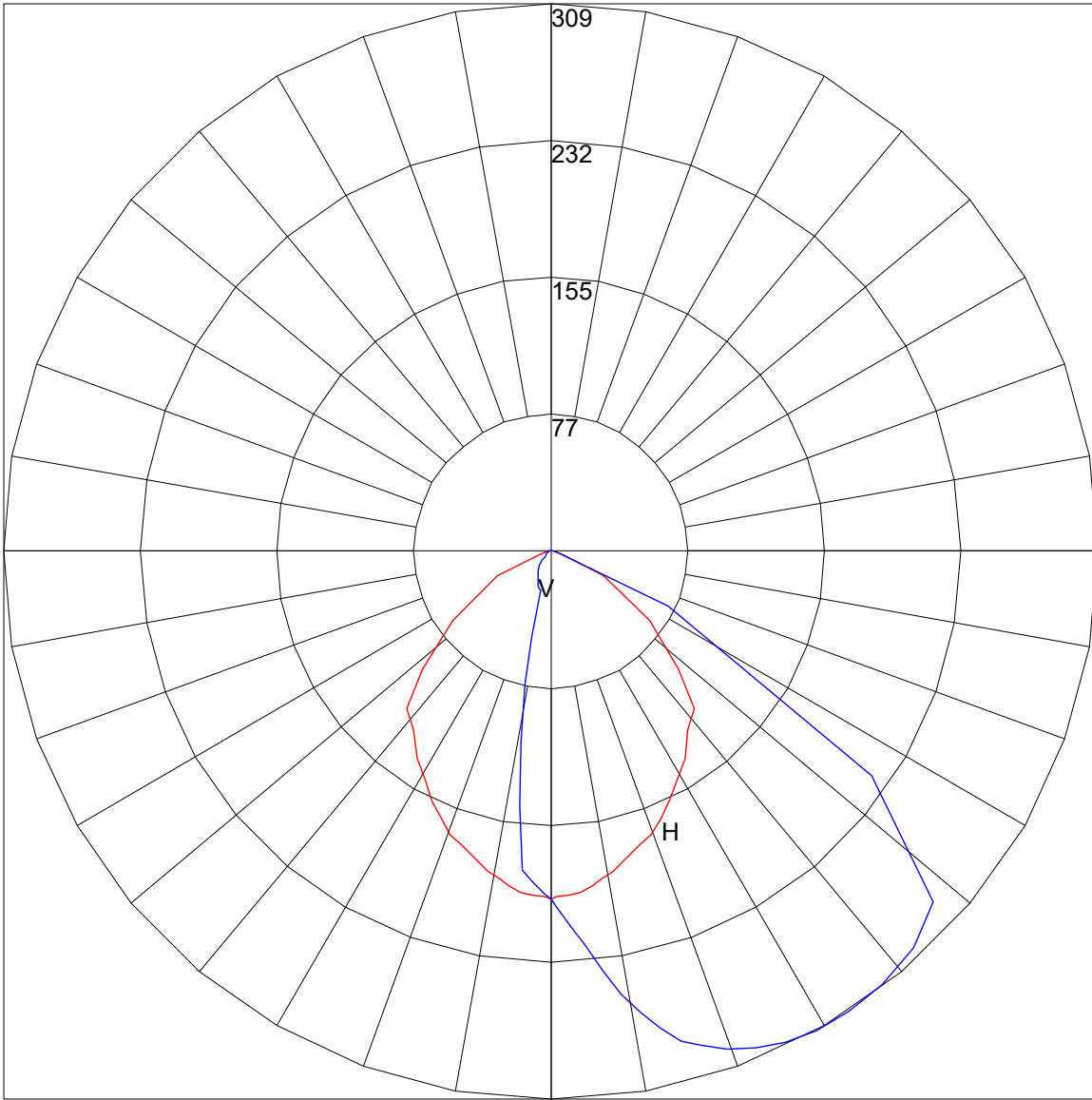
NEMA Type	7 H x 5 V
Maximum Candela	309
Maximum Candela Angle	-3H 29V
Horizontal Beam Angle (50%)	88.0
Vertical Beam Angle (50%)	65.8
Horizontal Field Angle (10%)	134.4
Vertical Field Angle (10%)	85.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	304
Beam Efficiency	N.A.
Field Lumens	420
Field Efficiency	N.A.
Spill Lumens	22
Luminaire Lumens	442
Total Efficiency	N.A.
Total Luminaire Watts	5.39
Ballast Factor	1.00

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AXIAL CANDELA

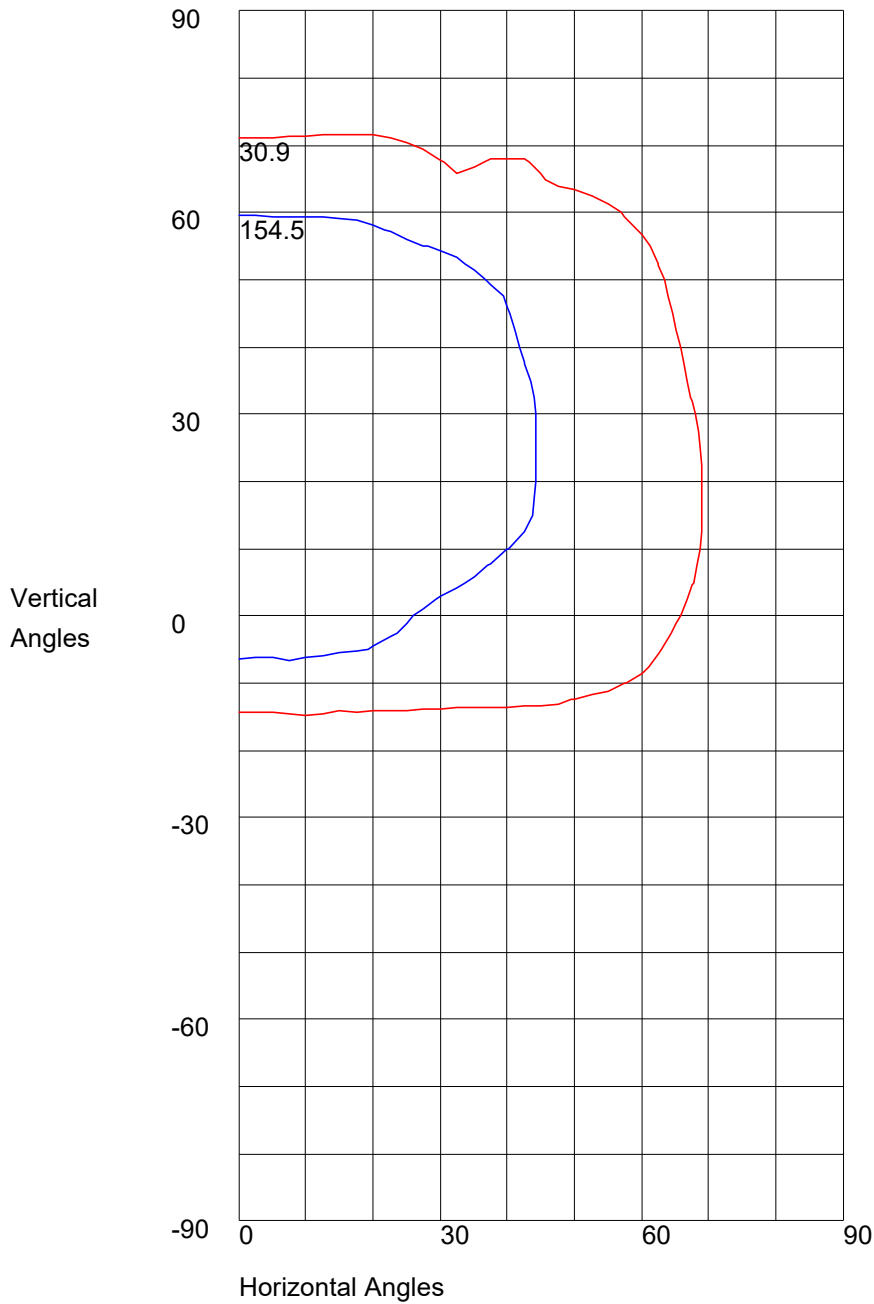
DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	1
75	7	75	3
65	33	65	73
55	68	55	221
47.5	98	47.5	293
42.5	120	42.5	303
37.5	127	37.5	308
33	139	33	309
29	147	29	309
25.5	156	25.5	307
22.5	163	22.5	303
19.5	170	19.5	298
17	173	17	291
15	176	15	286
13	180	13	276
11	184	11	265
9	187	9	253
7	190	7	238
5	193	5	223
3	194	3	212
1	195	1	201
0	196	0	196
-1	195	-1	193
-3	194	-3	187
-5	193	-5	181
-7	190	-7	145
-9	187	-9	109
-11	184	-11	77
-13	180	-13	50
-15	176	-15	23
-17	173	-17	22
-19.5	170	-19.5	21
-22.5	163	-22.5	19
-25.5	156	-25.5	17
-29	147	-29	15
-33	139	-33	13
-37.5	127	-37.5	10
-42.5	120	-42.5	7
-47.5	98	-47.5	4
-55	68	-55	3
-65	33	-65	2
-75	7	-75	1
-85	1	-85	1
-90	0	-90	0

AXIAL CANDELA DISPLAY



Maximum Candela = 309 Located At Horizontal Angle = -3, Vertical Angle = 29
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 309 Located At Horizontal Angle = -3, Vertical Angle = 29
50% Maximum Candela = 154.5
10% Maximum Candela = 30.9



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Report No: L1123105125



Report No: L1123105125
Report Prepared For: USTE dba Vista Professional Outdoor Lighting
1625 Surveyor Ave., Simi Valley CA 93063
Model Number: 1050-AS-A
Test: Photometric/Electrical Test

Issue Date: 12/14/2023
Reference: N/A
Amendment: N/A

Standards Used: Appropriate part or all test guidelines were used for test performed:
IESNA LM79: 2019 Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products
ANSI NEMA ANSLG C78.377: 2017 Specification of the Chromaticity of Solid State Lighting Products
ANSI C82.77-10:2014: Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

Description of Sample: Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

Special Test Condition: Fixture is tested with no special conditions.

Date of Tests: 12/12/23

Seasoning of Sample: No seasoning was performed in accordance with IESNA LM-79.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S4	4/7/25
HP Power Supply	6032A	PS-DC05-S2	--
Fluke Digital Thermometer	52K/J	MT-TP05	5/24/25
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

General Information

Manufacturer:	USTE dba Vista Professional Outdoor Lighting
Model Number:	1050-AS- A
Driver Model Number:	Forlux PS6-350C-DUALDIM-UNV-PP, QTY:1

Photometric & Electrical Test Results

Total Lumens:	442.00
Efficacy:	82.03
Input Voltage (VAC/60Hz):	120.05
Input Current (Amp):	0.0455
Input Power (W):	5.39
Input Power Factor:	0.9861
Current ATHD (%):	11.6%

Test Condition

Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:35
Total Operating Time (Hours):	1:15

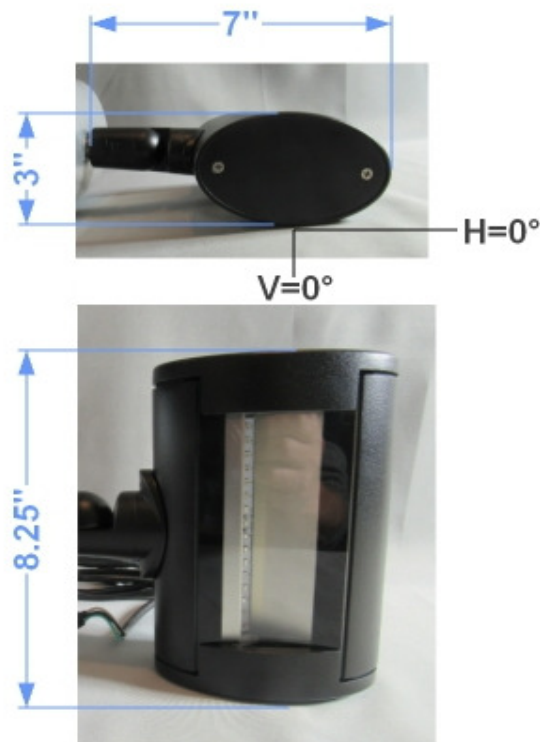


FIG. 1 LUMINAIRE

Test Methods

Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

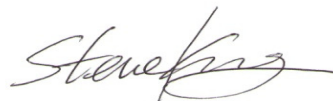
Electrical measurements are measured using the listed equipment.

Disclaimers:

The results related only to the samples as received and tested. This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.

Report Prepared by : JG

Test Report Reviewed by:



Steve Kang
Quality Assurance

**Attached are photometric data reports.*