



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

# Photometric Test Report

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L1123105109.IES**

## DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L1123105109  
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
[ISSUEDATE] 3/8/2024  
[MANUFAC] USTE dba Vista Professional Outdoor Lighting  
[LUMCAT] 1050-NS-B  
[LUMINAIRE] 1050 (0.5ft), Narrow, High Power, White output  
[BALLASTCAT] Forzlux PS14-350C-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

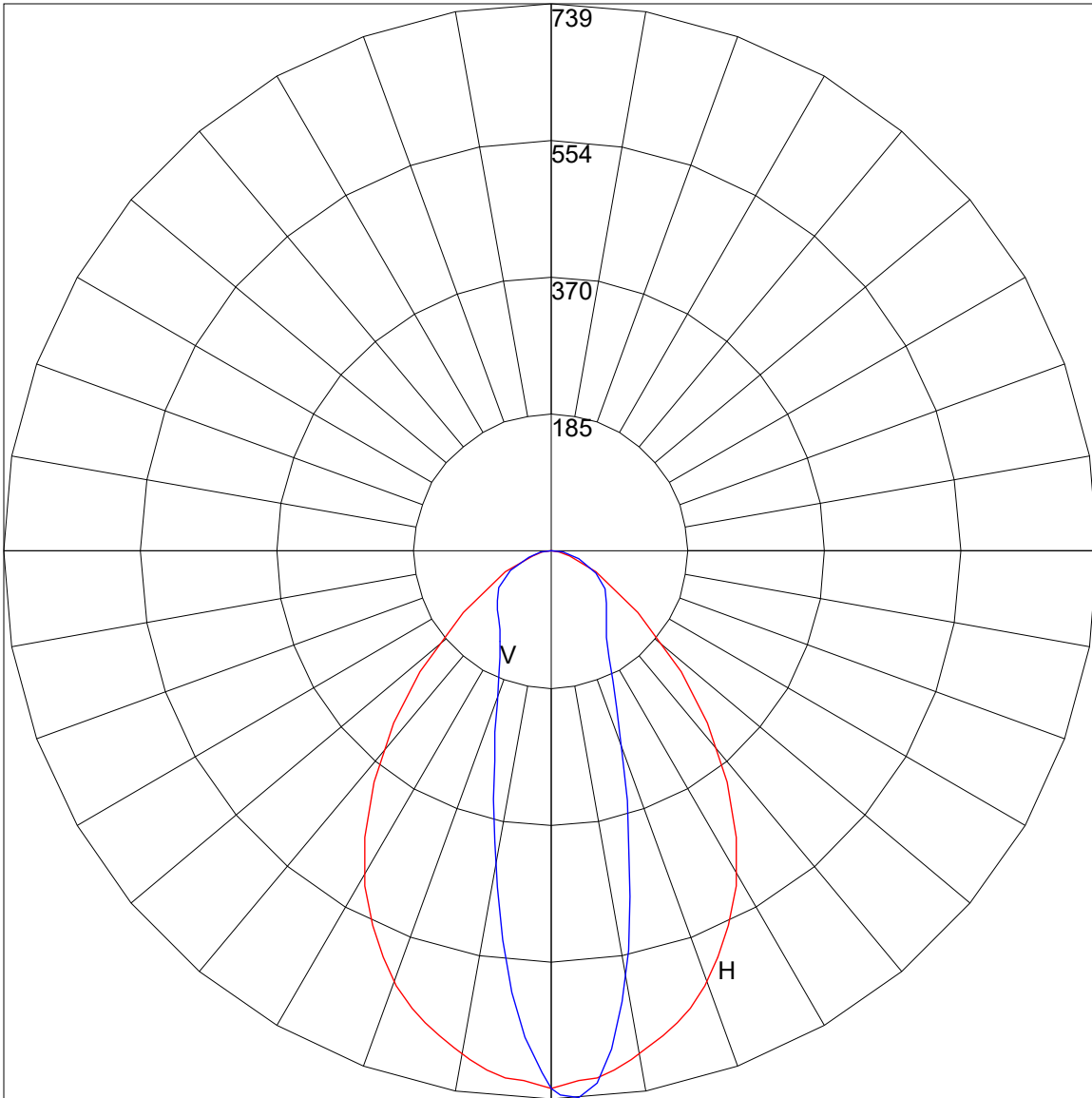
NEMA Type	6 H x 6 V
Maximum Candela	739
Maximum Candela Angle	0H 3V
Horizontal Beam Angle (50%)	78.6
Vertical Beam Angle (50%)	28.4
Horizontal Field Angle (10%)	128.2
Vertical Field Angle (10%)	121.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	268
Beam Efficiency	N.A.
Field Lumens	630
Field Efficiency	N.A.
Spill Lumens	111
Luminaire Lumens	741
Total Efficiency	N.A.
Total Luminaire Watts	9.85
Ballast Factor	1.00

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**AXIAL CANDELA**

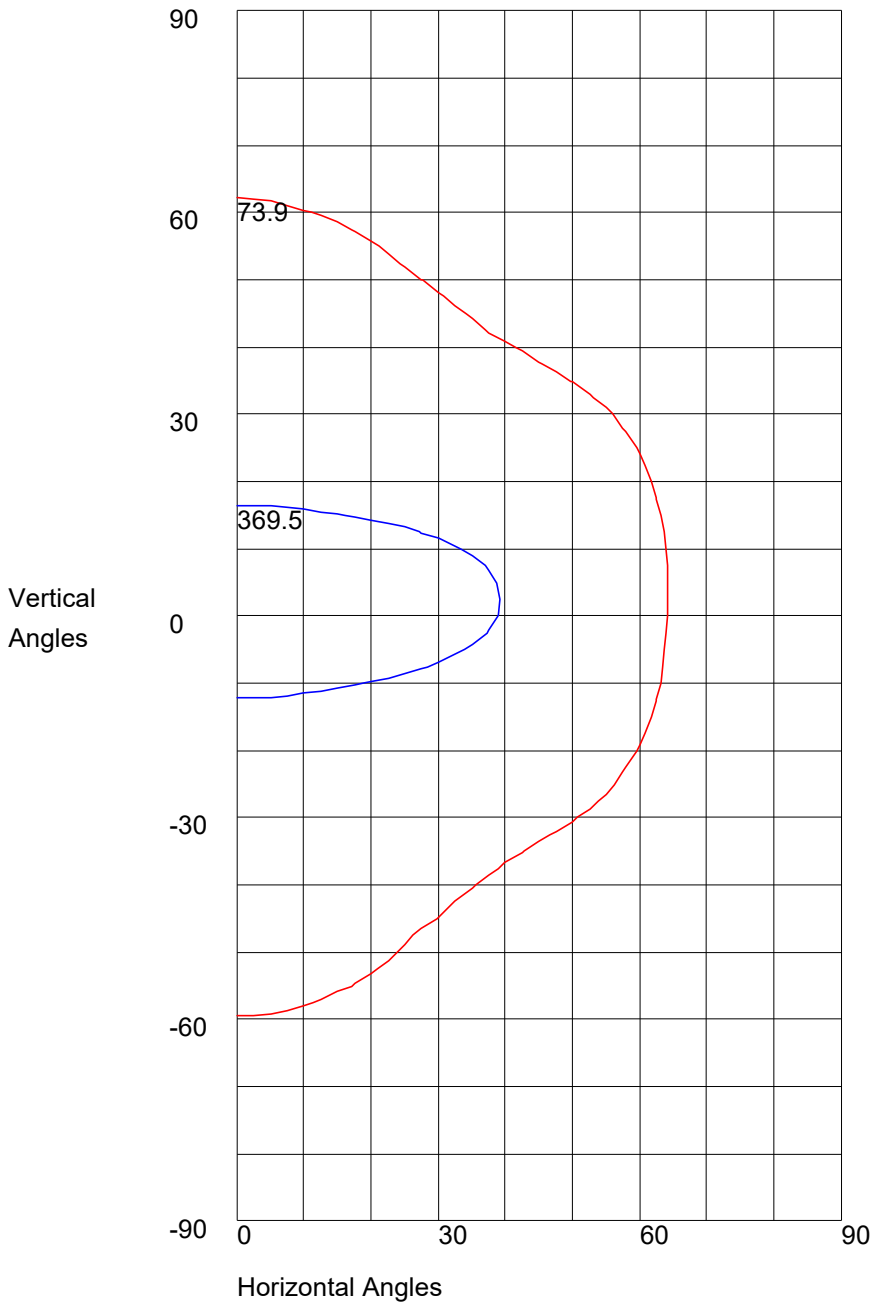
DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	12	85	16
75	26	75	39
65	67	65	68
55	144	55	89
47.5	240	47.5	103
42.5	314	42.5	111
37.5	392	37.5	123
33	460	33	139
29	517	29	163
25.5	559	25.5	193
22.5	592	22.5	231
19.5	623	19.5	289
17	644	17	351
15	658	15	409
13	671	13	479
11	682	11	549
9	694	9	616
7	705	7	676
5	713	5	720
3	715	3	739
1	721	1	733
0	725	0	725
-1	721	-1	704
-3	715	-3	657
-5	713	-5	598
-7	705	-7	529
-9	694	-9	460
-11	682	-11	398
-13	671	-13	344
-15	658	-15	294
-17	644	-17	256
-19.5	623	-19.5	217
-22.5	592	-22.5	183
-25.5	559	-25.5	159
-29	517	-29	140
-33	460	-33	126
-37.5	392	-37.5	115
-42.5	314	-42.5	107
-47.5	240	-47.5	99
-55	144	-55	85
-65	67	-65	60
-75	26	-75	31
-85	12	-85	13
-90	0	-90	0

AXIAL CANDELA DISPLAY



Maximum Candela = 739 Located At Horizontal Angle = 0, Vertical Angle = 3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 739 Located At Horizontal Angle = 0, Vertical Angle = 3  
50% Maximum Candela = 369.5  
10% Maximum Candela = 73.9



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Report No: L1123105109



**Report No:** L1123105109  
**Report Prepared For:** USTE dba Vista Professional Outdoor Lighting  
1625 Surveyor Ave., Simi Valley CA 93063  
**Model Number:** 1050-NS-B  
**Test:** Photometric/Colorimetric/Electrical Test

**Issue Date:** 3/8/2024  
**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:** 3/7/24

**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**

<b>Manufacturer:</b>	USTE dba Vista Professional Outdoor Lighting
<b>Model Number:</b>	1050-NS-B
<b>Driver Model Number:</b>	Forlux PS14-350C-DUALDIM-UNV-PP, QTY:1

**Test Summary**

<b>Total Lumens:</b>	741.00
<b>Efficacy:</b>	75.25
<b>Color Redering Index:</b>	86.2
<b>Correlated Color Temperature:</b>	3133
<b>Input Voltage (VAC/60Hz):</b>	120.03
<b>Input Current (Amp):</b>	0.0833
<b>Input Power (W):</b>	9.85
<b>Input Power Factor:</b>	0.9853
<b>Current ATHD (%):</b>	12.1%

**Test Condition**

<b>Ambient Temperature (°C):</b>	25.0
<b>Stabilization Time (Hours):</b>	1:20
<b>Total Operating Time (Hours):</b>	2:35

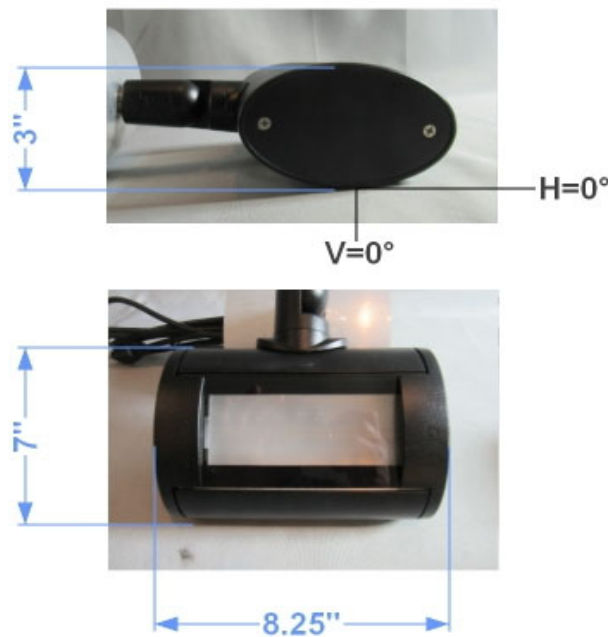
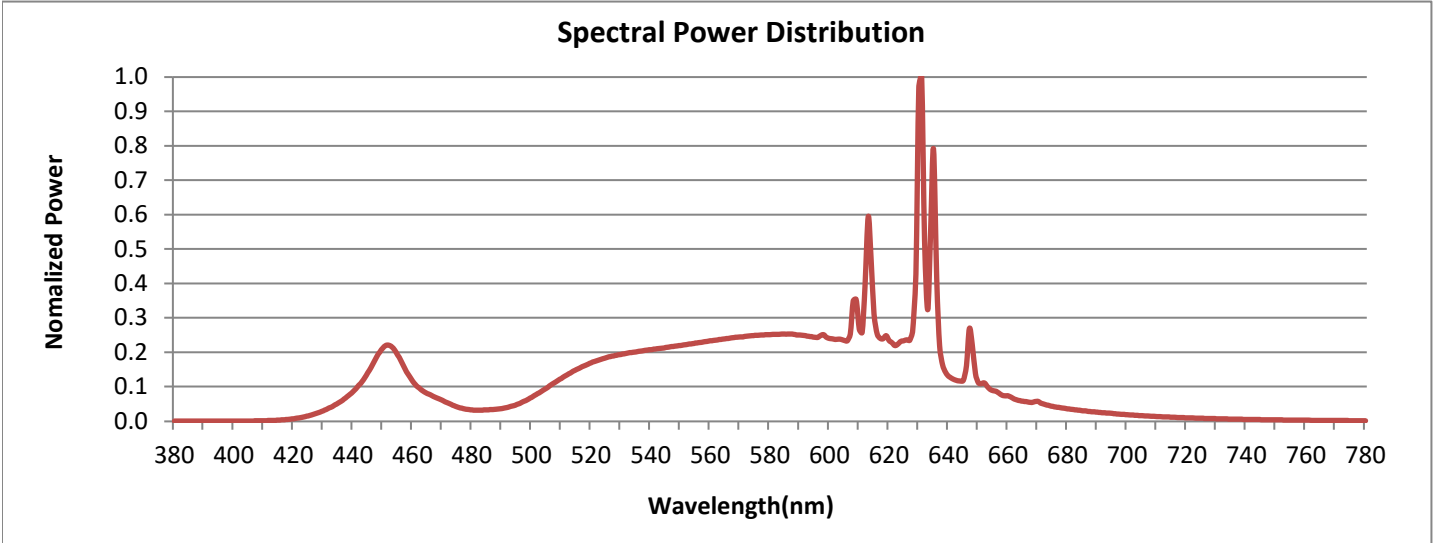


FIG. 1 LUMINAIRE

**Colorimetry Test Results**



**CRI & CCT**

x	0.4290
y	0.4034
u'	0.2457
v'	0.5199
CRI	86.20
CCT	3133
Duv	0.00089

**R Values**

R1	87.65
R2	88.44
R3	86.54
R4	87.78
R5	84.98
R6	84.10
R7	90.96
R8	79.10
R9	45.77
R10	69.69
R11	86.17
R12	58.73
R13	86.92
R14	90.87
R15	84.54

