



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

Photometric Test Report

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L1123105124.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L1123105124
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 2/27/2024
[MANUFAC] USTE dba Vista Professional Outdoor Lighting
[LUMCAT] 1050-AS-B
[LUMINAIRE] 1050 (0.5ft), Forward Asymmetric, 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

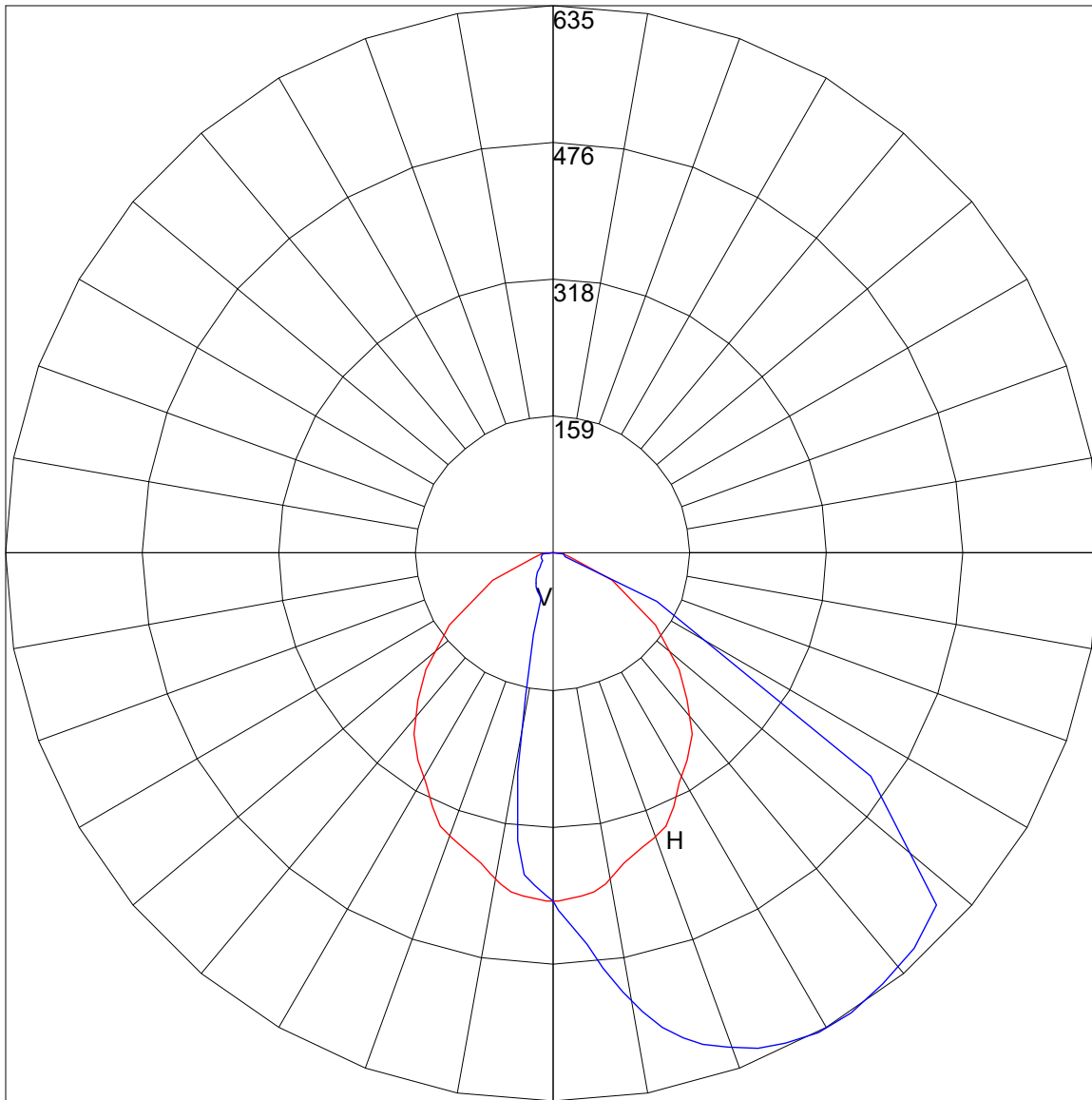
NEMA Type	7 H x 5 V
Maximum Candela	635
Maximum Candela Angle	-1H 29V
Horizontal Beam Angle (50%)	87.5
Vertical Beam Angle (50%)	66.7
Horizontal Field Angle (10%)	136.9
Vertical Field Angle (10%)	85.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	621
Beam Efficiency	N.A.
Field Lumens	866
Field Efficiency	N.A.
Spill Lumens	77
Luminaire Lumens	943
Total Efficiency	N.A.
Total Luminaire Watts	9.86
Ballast Factor	1.00

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AXIAL CANDELA

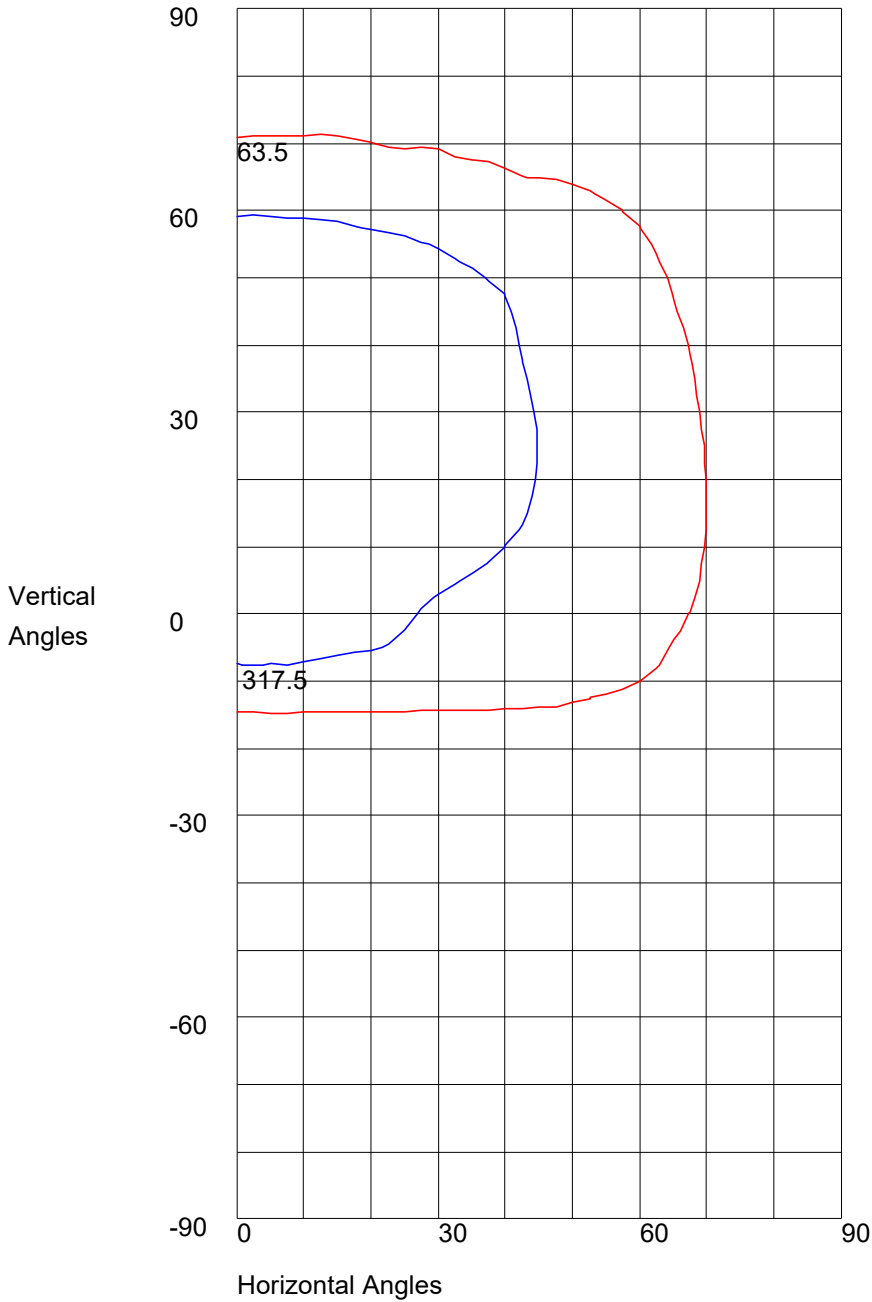
DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	13	85	13
75	23	75	15
65	76	65	134
55	146	55	451
47.5	200	47.5	604
42.5	231	42.5	621
37.5	265	37.5	629
33	287	33	635
29	304	29	635
25.5	326	25.5	629
22.5	342	22.5	621
19.5	351	19.5	608
17	357	17	595
15	362	15	582
13	369	13	564
11	379	11	542
9	389	9	515
7	396	7	485
5	399	5	456
3	401	3	435
1	403	1	414
0	404	0	404
-1	403	-1	398
-3	401	-3	386
-5	399	-5	374
-7	396	-7	336
-9	389	-9	257
-11	379	-11	169
-13	369	-13	96
-15	362	-15	53
-17	357	-17	51
-19.5	351	-19.5	49
-22.5	342	-22.5	47
-25.5	326	-25.5	44
-29	304	-29	40
-33	287	-33	35
-37.5	265	-37.5	29
-42.5	231	-42.5	22
-47.5	200	-47.5	18
-55	146	-55	15
-65	76	-65	14
-75	23	-75	13
-85	13	-85	12
-90	0	-90	0

AXIAL CANDELA DISPLAY



Maximum Candela = 635 Located At Horizontal Angle = -1, Vertical Angle = 29
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 635 Located At Horizontal Angle = -1, Vertical Angle = 29
50% Maximum Candela = 317.5
10% Maximum Candela = 63.5



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Report No: L1123105124
Report Prepared For: USTE dba Vista Professional Outdoor Lighting
1625 Surveyor Ave., Simi Valley CA 93063
Model Number: 1050-AS-B
Test: Photometric/Colorimetric/Electrical Test

Issue Date: 2/27/2024
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: 2/22/24

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

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

Test Summary

Total Lumens:	943.00
Efficacy:	95.69
Color Redering Index:	86.0
Correlated Color Temperature:	3097
Input Voltage (VAC/60Hz):	120.03
Input Current (Amp):	0.0833
Input Power (W):	9.86
Input Power Factor:	0.9850
Current ATHD (%):	12.5%

Test Condition

Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:30
Total Operating Time (Hours):	1:10

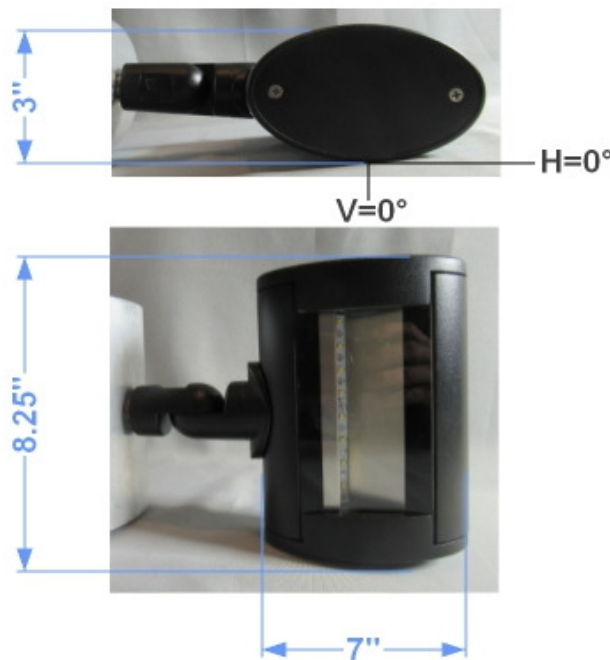
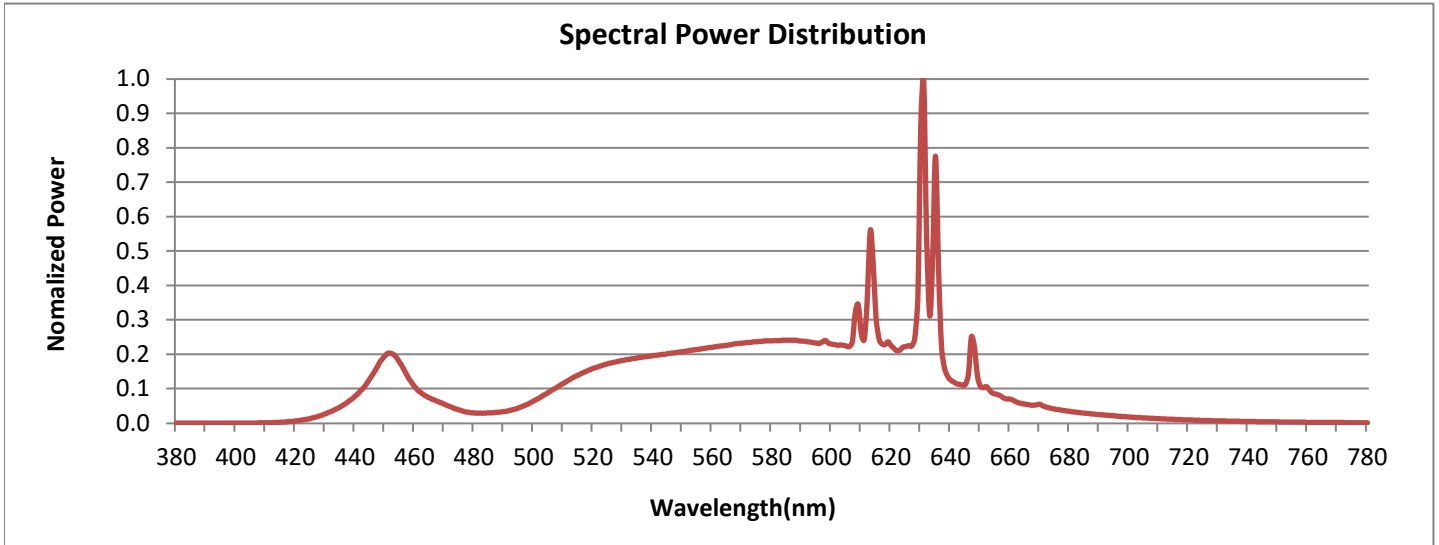


FIG. 1 LUMINAIRE

Colorimetry Test Results



CRI & CCT

x	0.4319
y	0.4053
u'	0.2468
v'	0.5211
CRI	86.00
CCT	3097
Duv	0.00121

R Values

R1	87.29
R2	88.26
R3	86.57
R4	87.56
R5	84.60
R6	83.85
R7	90.92
R8	78.68
R9	44.89
R10	69.33
R11	85.87
R12	58.22
R13	86.58
R14	90.88
R15	84.10

