



Report No:	L102310103	Issue Date: 10/24/2023 Reference:N/A
Report Prepared For:	AVENUE LIGHTING 9000 FULLBRIGHT AVE. CHATSWORTH CA. 91311	Amendment:N/A
Model Number:	AV9898-BLK	
Test:	Photometric/Electrical Test	
IESNA LM79: 2019 Approved Method ANSI NEMA ANSLG C78.377: 2017	ate part or all test guidelines were used for test performed: ds for Electrical and Photometric Measurements of Solid-State Lighting Products Specification of the Chromaticity of Solid State Lighting Products ission Limits-Related Quality Requirements for Lighting Equipment	
Description of Sample:	Client submitted the sample. Received in working and undamaged modifications were necessary.	l condition. No
Special Test Condition:	Fixture is tested with no special conditions.	

Date of Tests: 10/23/23

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

Equipment List				
Model No	Stock No	Calibration Due Date		
61604	PS-AC02			
WT210	MT-EL06-S4	4/7/25		
6032A	PS-DC05-S2			
52K/J	MT-TP05	5/24/25		
RMG-C-MKII	CD-LL04-GC			
2MR97	CD-SN03-S2			
SPR-3000	MT-SC01-S2	Before Use		
	61604 WT210 6032A 52K/J RMG-C-MKII 2MR97	61604 PS-AC02 WT210 MT-EL06-S4 6032A PS-DC05-S2 52K/J MT-TP05 RMG-C-MKII CD-LL04-GC 2MR97 CD-SN03-S2		





TESTING

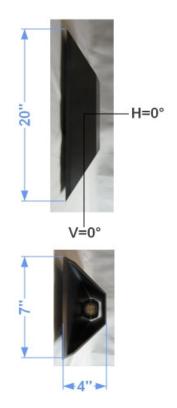
NVLAP LAB CODE 200927-0

General Information		
Manufacturer:	AVENUE LIGHTING	
Model Number:	AV9898-BLK	
Driver Model Number:	CUSTOM	

Photometric & Electrical Test	Results	
Total Lumens:	434.00	
Efficacy:	19.00	
Input Voltage (VAC/60Hz):	120.03	
Input Current (Amp):	0.2049	
Input Power (W):	22.84	
Input Power Factor:	0.9288	
Current ATHD (%):	39.8%	

T	∧	dition
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Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:45
Total Operating Time (Hours):	1:25







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:

Stevefing

Steve Kang Quality Assurance

*Attached are photometric data reports.



Photometric Test Report

IES ROAD REPORT PHOTOMETRIC FILENAME : L102310103.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002 [TEST] L102310103 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com) [ISSUEDATE] 10/24/2023 [MANUFAC] AVENUE LIGHTING [LUMCAT] AV9898-BLK [LUMINAIRE] 120 V AC LED [BALLASTCAT] CUSTOM [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

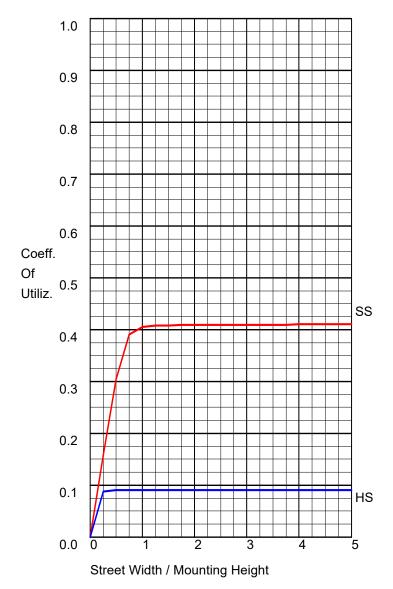
CHARACTERISTICS

IES Classification Longitudinal Classification Lumens Per Lamp Total Lamp Lumens Luminaire Lumens Downward Total Efficiency Total Luminaire Efficiency Luminaire Efficacy Rating (LER) Total Luminaire Watts Ballast Factor Upward Waste Light Ratio Maximum Candela Maximum Candela Angle Maximum Candela Angle (<90 Degrees Vertical) Maximum Candela At 90 Degrees Vertical	N.A. N.A. N.A. (absolute) N.A. (absolute) 434 N.A. (absolute) N.A. (absolute) 19 22.84 1.00 0.50 314 0H 167.5V 314 0H 12.5V 0 (0.0% Luminaire Lumens) 1 (0 2% Luminaire Lumens)
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

FL - Front-Low (0-30) FM - Front-Medium (30-60) FH - Front-High (60-80) FVH - Front-Very High (80-90) BL - Back-Low (0-30) BM - Back-Medium (30-60) BH - Back-Medium (30-60) BVH - Back-Very High (80-90) UL - Uplight-Low (90-100) UH - Uplight-High (100-180)	Lumens 117.9 59.4 0.6 < 0.05 38.3 1.0 < 0.05 0.0 < 0.05 217.2	% Lamp N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A	% Luminaire 27.1 13.7 0.1 0.0 8.8 0.2 0.0 0.0 0.0 0.0 50.0
Total	434.4	N.A.	100.0
BUG Rating	B0-U3-G0		

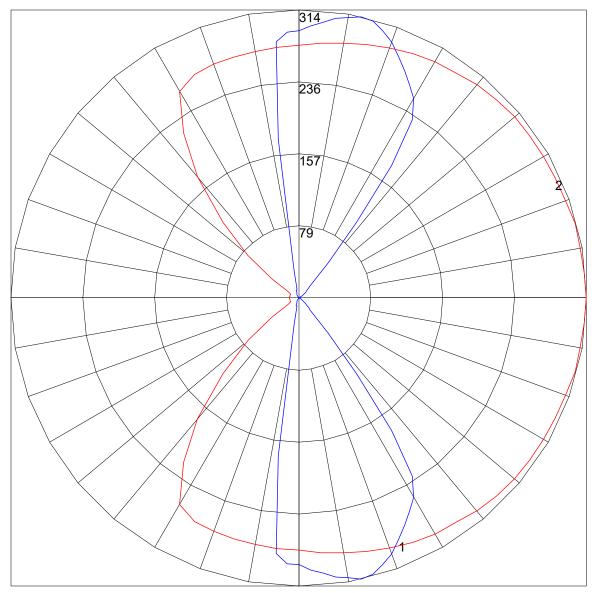
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	177.9	41.0
Downward House Side	39.3	9.0
Downward Total	217.2	50.0
Upward Street Side	177.9	41.0
Upward House Side	39.3	9.0
Upward Total	217.2	50.0
Total Flux	434.4	100.0

POLAR GRAPH



Maximum Candela = 314 Located At Horizontal Angle = 0, Vertical Angle = 167.5 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) # 2 - Horizontal Cone Through Vertical Angle (167.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

