

IES REPORT

Wedge | Slope | 707

Slope | Asymmetric, White/Black | 90 CRI | Standard Output

707-WE-SL-4-48-XX-XX-XX-XX-X-X-Z-SO-XX-RA-X-WH/BL-X

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	99	102	104	105
Total Lumens, 4' rail length (1219mm)	2578	2660	2714	2741
Lumens per foot (305mm)	645	665	679	685
Input Power (W), 4' rail length (1219mm)	26.2	26.2	26.2	26.2
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	94	94	94	94

Due to the large number of options in Vode's product offering, most Vode IES reports are factored reports prepared from source reports. Source reports are the IES test reports prepared for Vode by an NVLAP accredited photometric test laboratory. Factored reports are based on data from the Vode source reports.

If the data above is in black, it is directly from a Vode source report. If it is in grey, it is factored from Vode source reports. Reference details on Vode source reports can be found on the IES File Finder page on vode.com.



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

Report No: L042412201



Report No: L042412201
Report Prepared For: Vode Lighting LLC
21684 8th St E # 700, Sonoma, CA 95476
Model Number: 707-WE-48-35-90-RA-WH_SO
Test: Photometric/Colorimetric/Electrical Test

Issue Date: 5/20/2024
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: 5/15/24

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:	Vode Lighting LLC
Model Number:	707-WE-48-35-90-RA-WH_SO
Driver Model Number:	HLG-40H-36A

Test Summary

Total Lumens:	2714.00
Efficacy:	103.27
Color Redering Index:	94.6
Correlated Color Temperature:	3324
Input Voltage (VAC/60Hz):	120.02
Input Current (Amp):	0.2217
Input Power (W):	26.28
Input Power Factor:	0.9876
Current ATHD (%):	9.6%

Test Condition

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

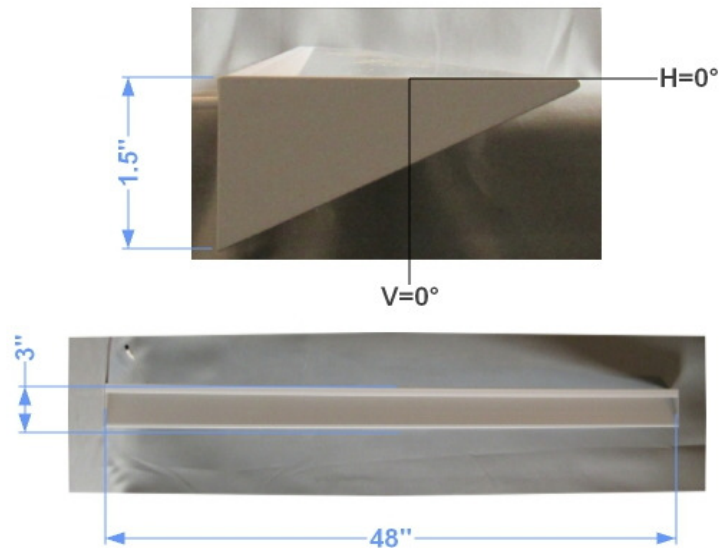
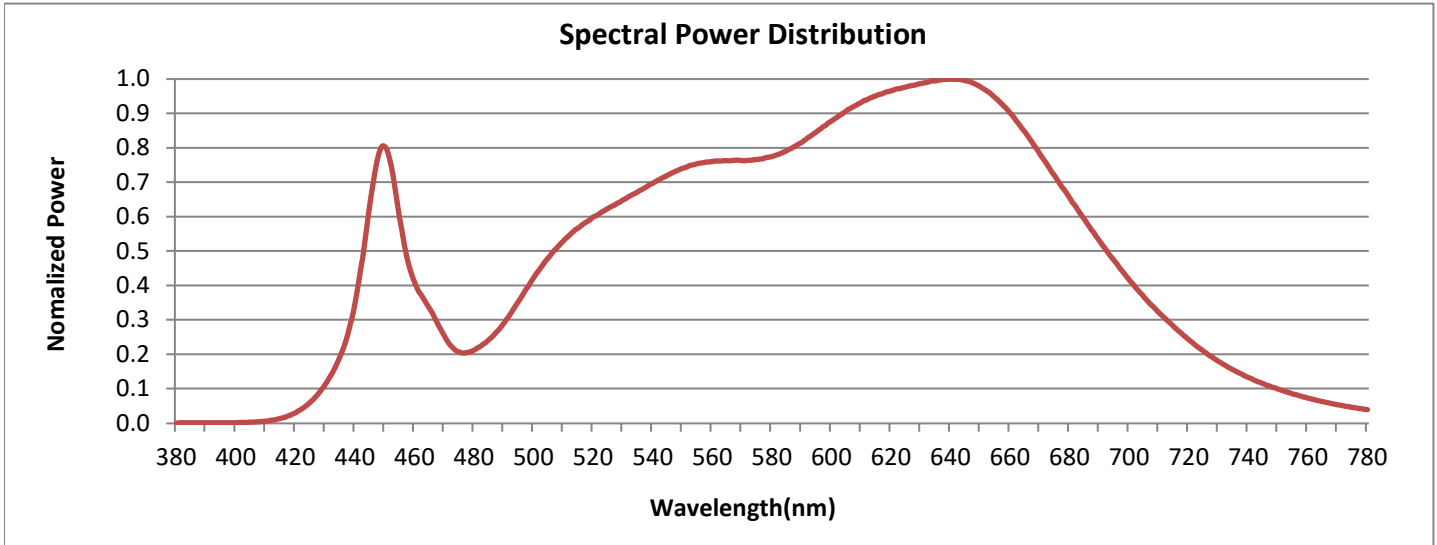


FIG. 1 LUMINAIRE

Colorimetry Test Results

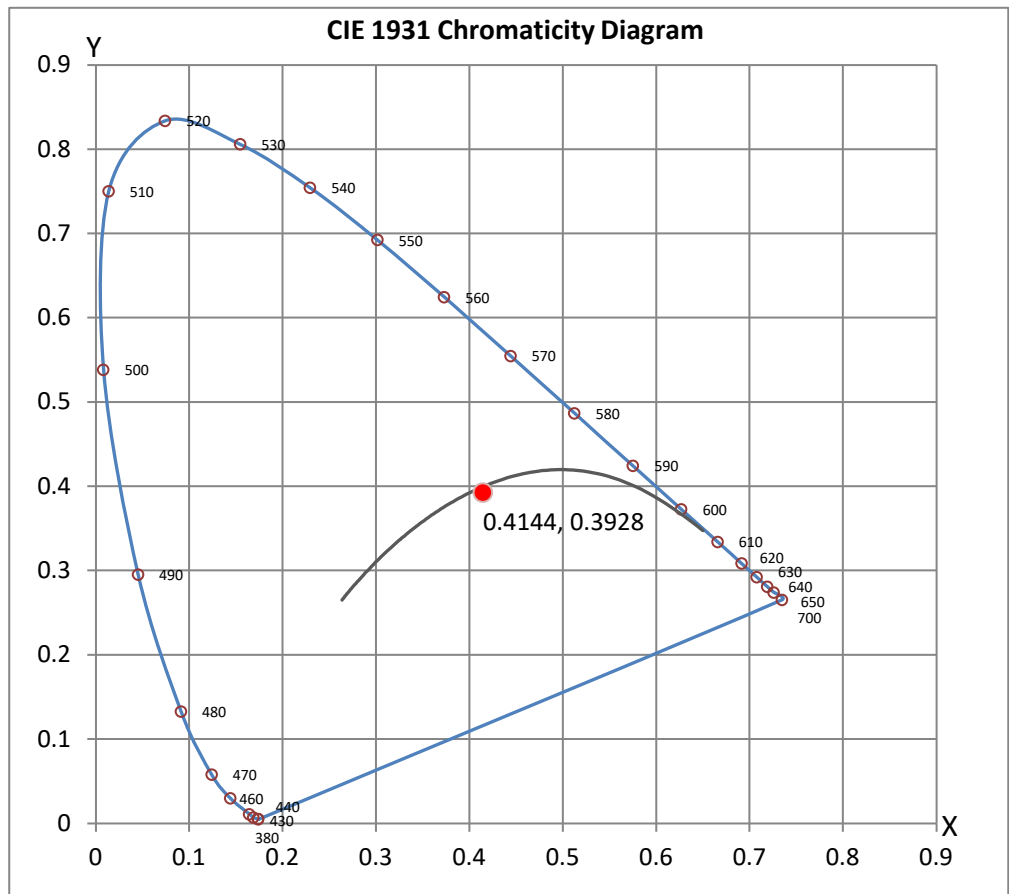


CRI & CCT

x	0.4144
y	0.3928
u'	0.2408
v'	0.5135
CRI	94.60
CCT	3324
Duv	-0.00098

R Values

R1	96.92
R2	95.21
R3	91.13
R4	94.80
R5	95.47
R6	92.32
R7	95.79
R8	95.19
R9	86.95
R10	87.10
R11	94.32
R12	77.30
R13	96.30
R14	94.18
R15	96.72



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.*



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 www.lightlaboratory.com

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L042412201.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L042412201
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUEDATE] 5/17/2024
 [MANUFAC] Vode Lighting LLC
 [LUMCAT] 707-WE-48-35-80-RA-WH_SO
 [LUMINAIRE] Wedge, Slope, Asymmetric, 48", 3500K, 80 CRI, white, standard output
 [BALLASTCAT] HLG-40H-36A
 [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

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2714
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	26.28
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.19 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	40	40	60
55	49	49	74
65	67	67	134
75	109	164	219
85	487	487	812

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L042412201.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2.24	N.A.	0.10
0-30	4.24	N.A.	0.20
0-40	6.59	N.A.	0.20
0-60	12.41	N.A.	0.50
0-80	21.31	N.A.	0.80
0-90	28.13	N.A.	1.00
10-90	27.49	N.A.	1.00
20-40	4.36	N.A.	0.20
20-50	7.01	N.A.	0.30
40-70	9.79	N.A.	0.40
60-80	8.90	N.A.	0.30
70-80	4.93	N.A.	0.20
80-90	6.82	N.A.	0.30
90-110	325.59	N.A.	12.00
90-120	822.24	N.A.	30.30
90-130	1375.36	N.A.	50.70
90-150	2208.65	N.A.	81.40
90-180	2686.03	N.A.	99.00
110-180	2360.44	N.A.	87.00
0-180	2714.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.64
10-20	1.59
20-30	2.00
30-40	2.35
40-50	2.66
50-60	3.16
60-70	3.97
70-80	4.93
80-90	6.82
90-100	60.95
100-110	264.65
110-120	496.65
120-130	553.12
130-140	465.81
140-150	367.49
150-160	265.85
160-170	159.50
170-180	52.03

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L042412201.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	95	95	95	95	82	82	82	82	56	56	56	33	33	33	11	11	11	1
1	87	83	79	76	74	71	68	65	49	47	45	28	27	27	10	9	9	1
2	79	72	66	62	67	62	57	53	43	40	37	25	23	22	8	8	8	0
3	72	63	56	51	61	54	49	44	37	34	31	22	20	19	7	7	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	7	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	6	5	5	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	12	5	5	4	0
7	50	39	32	27	43	34	28	23	23	20	17	14	12	10	5	4	3	0
8	47	35	28	23	40	30	25	20	21	17	15	12	10	9	4	4	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	4	3	2	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L042412201.IES

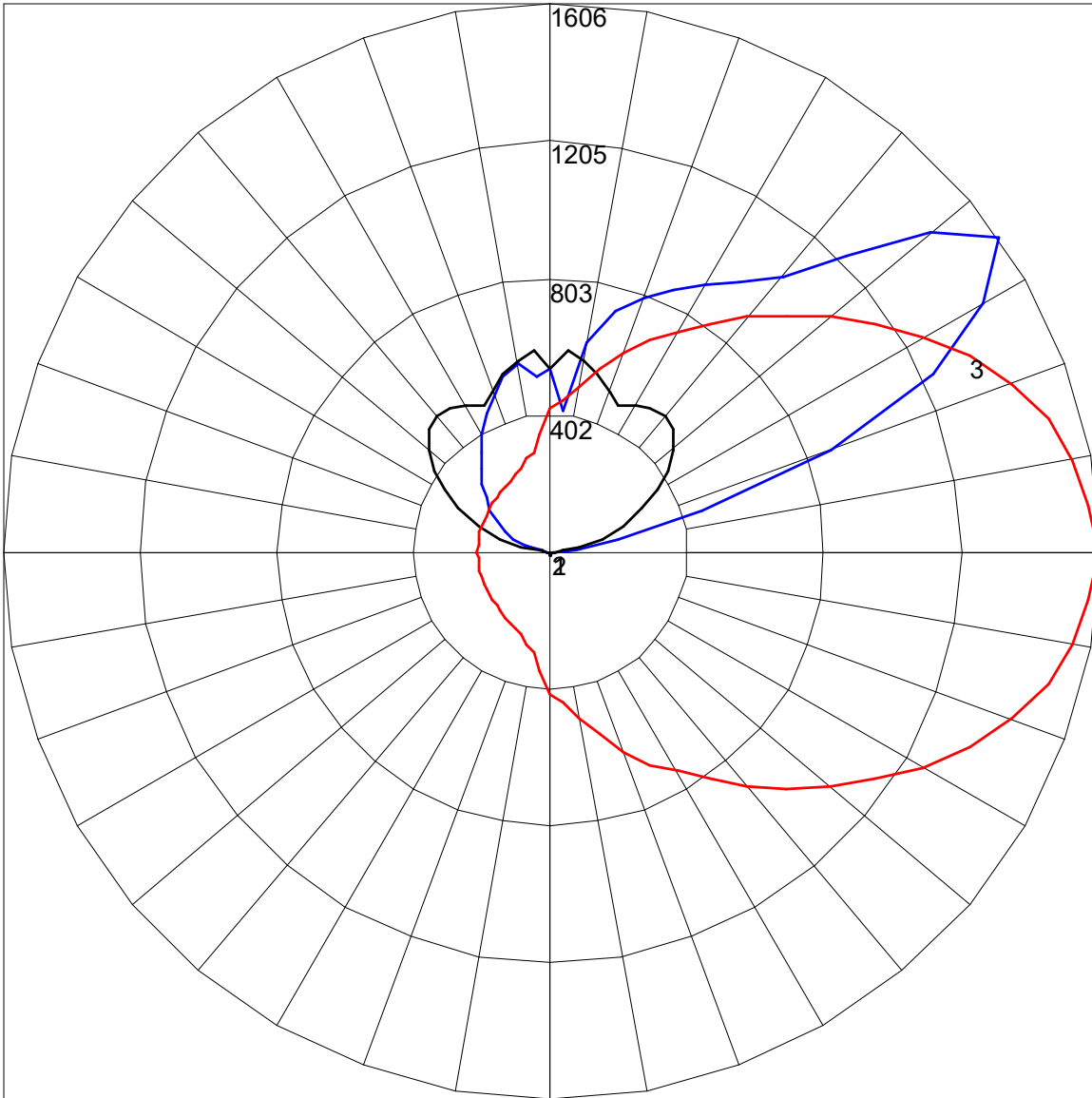
UGR TABLE - CORRECTED

Reflectances										
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	3H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	4H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	6H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	8H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	12H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
4H	2H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	3H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	4H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	6H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	8H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	12H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
8H	4H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	6H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	8H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	12H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
12H	4H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	6H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	8H	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

Maximum UGR = 3.5

POLAR GRAPH



Maximum Candela = 1606 Located At Horizontal Angle = 0, Vertical Angle = 125
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (125) (Through Max. Cd.)

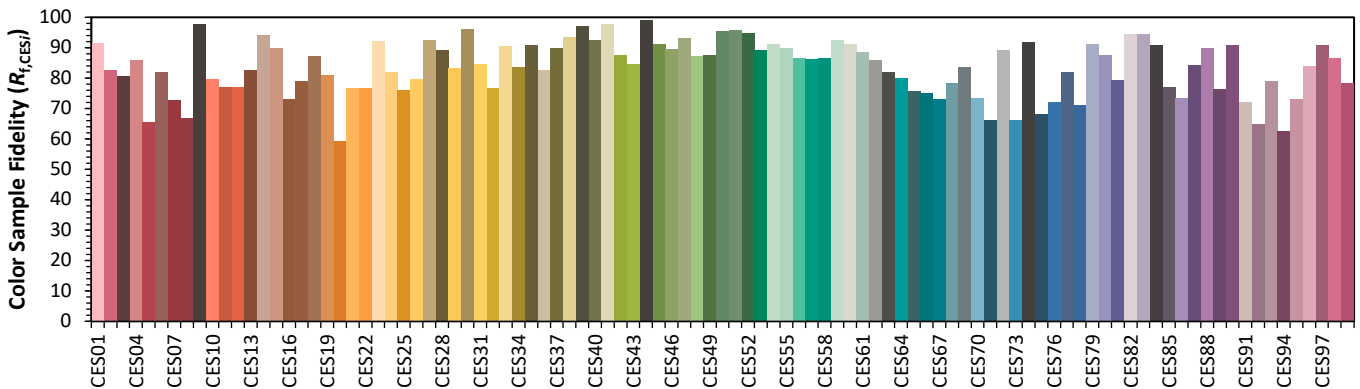
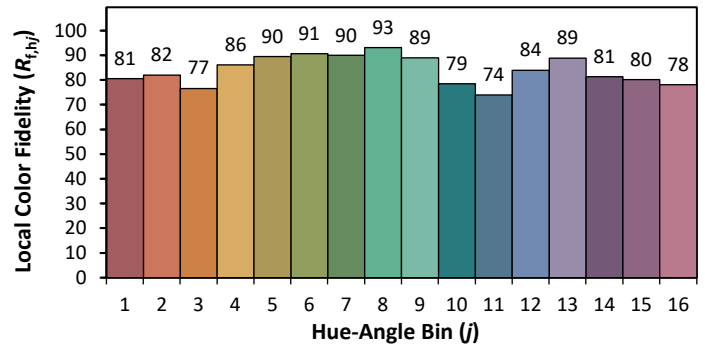
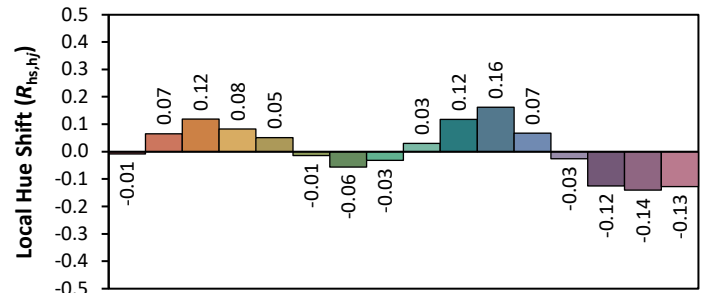
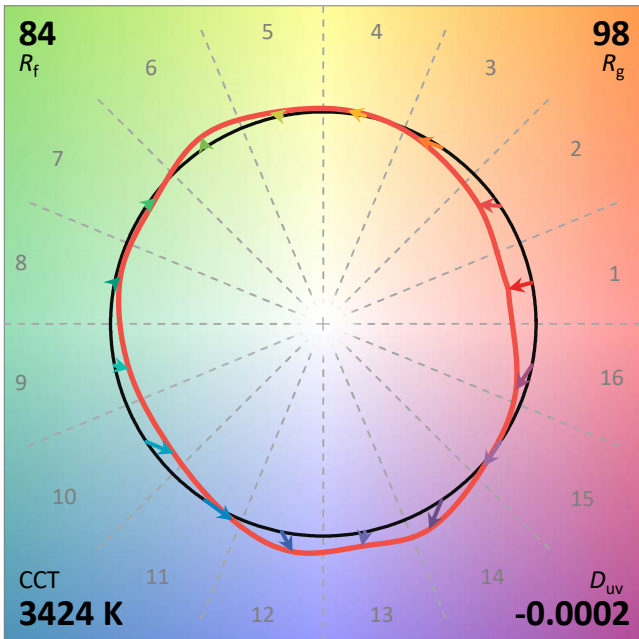
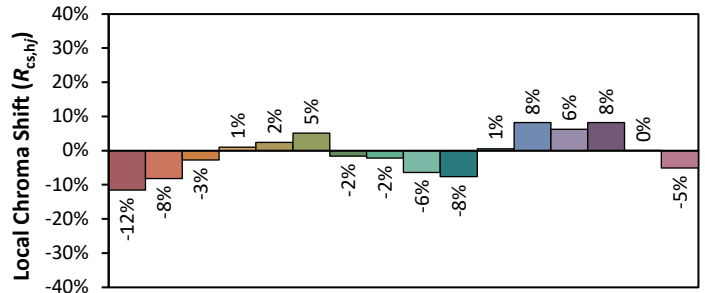
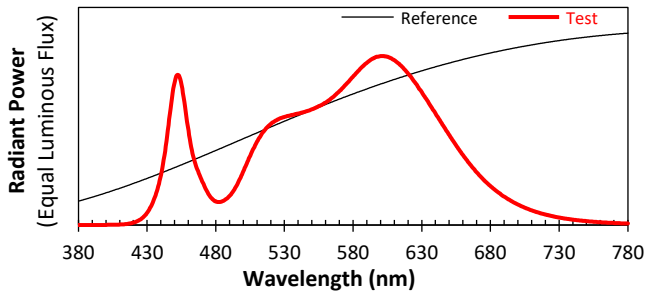
ANSI/IES TM-30-18 Color Rendition Report

Source: L042412201

Manufacturer: Vode Lighting LLC

Date: 5/16//2024

Model: 707-WE-48-35-80-RA-WH_SO



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4094
y 0.3923
u' 0.2377
v' 0.5125

CIE 13.3-1995
(CRI)

R_a 83
R_g 9