



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Photometric Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
SIRS Electronics Inc
3307 West St
Rosenberg, TX 77471

Catalog Number
ACUFIT-24CV22-05

Order Number
14709286
Test Number
14709286.01

Test Date

2023-03-09 - 2023-03-10

Prepared By

Derek Smarr, Senior Technician

Approved By

Jeffrey Lockner, Staff Engineer

The results contained in this report pertain only to the tested sample.
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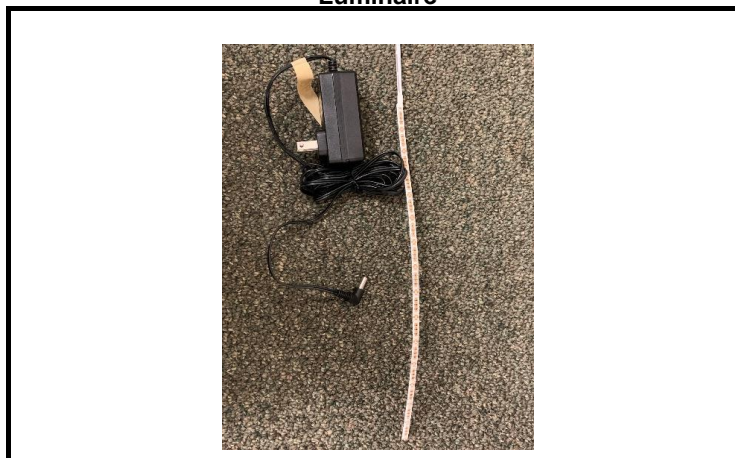
Laboratory results may not be representative of field performance
Ballast factors have not been applied

Testing was performed in a 3-meter integrating sphere using the 4π geometry method.

Absorption correction was employed for Sphere measurement

Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Luminaire Characteristics

Luminous Length: 11.75 in.
 Luminous Width: 0.2500 in.

Summary of Results

Integrating Sphere

Luminous Flux: 419.3 Lumens
 Efficacy: 67.03 lm/w
 CCT: 2141 K
 CRI (Ra): 93.9

Distribution

Total Luminaire Output: 423.4 Lumens
 Luminaire Efficacy: 67.7 lm/w
 Maximum Candela: 149 Candela

Electrical Data at 120 VAC

Test Temperature: 24.0 °C
 Voltage: 120.0 VAC
 Current: 0.1358 A
 Power: 6.256 W
 Power Factor: 0.384
 Frequency: 60 Hz
 Current THD: 237 %

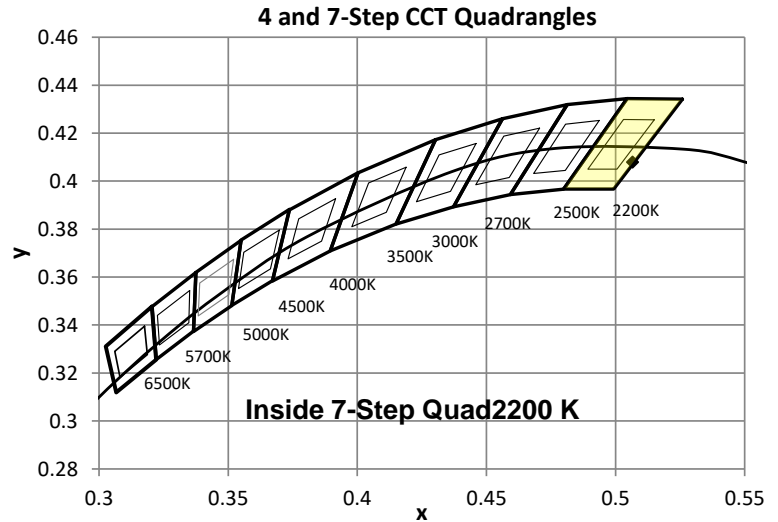
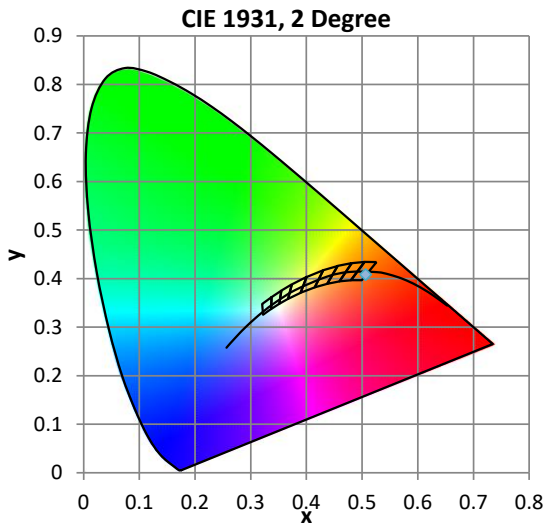
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.0 °C	120.0 VAC	0.1358 A	6.256 W	0.384	60 Hz	237 %

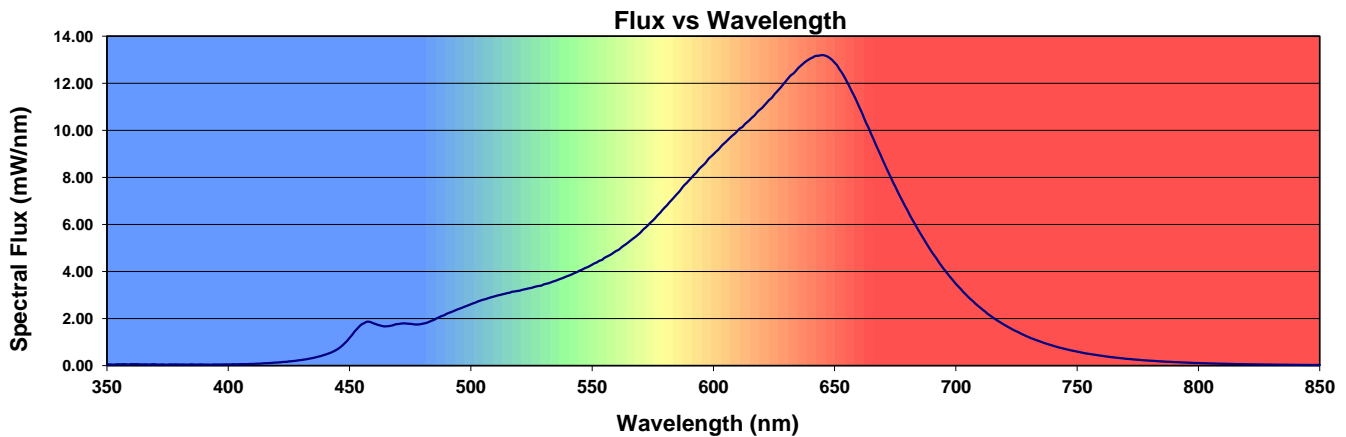
Summary of Results

Total Output:	419 Lumens	Chromaticity (x):	0.5066
Efficacy:	67.0 lm/w	Chromaticity (y):	0.4080
CCT:	2141 K	Chromaticity (u'):	0.2944
CRI (Ra):	93.9	Chromaticity (v'):	0.5335
CRI (R9):	79.5	TM-30 Rf:	92
Peak Wavelength:	645 nm	TM-30 Rg:	99
Dominant Wavelength:	555 nm	TM-30 Rcs,h1:	-3%
S/P Ratio:	1.09	Duv:	-0.0022
M/P Ratio:	0.4 WELL Building Standard v2		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.9	99.3	96.1	93.4	98.7	97.2	88.7	90.3	87.5	79.5	90.9	94.3	77.6	98.2	97.4	95.2



Distribution - Goniophotometer

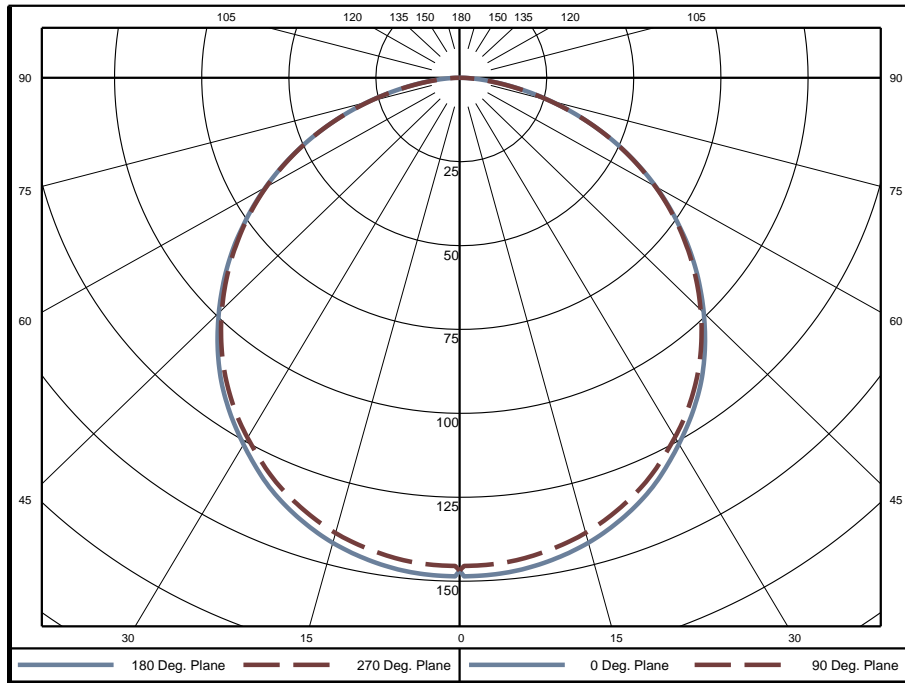
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.1208 A	6.255 W	0.432	60 Hz	206 %

Summary of Results

Spacing Criteria	Total Lumen Output:	423.4 Lumens
0-180: 1.27	Luminaire Efficacy:	67.7 lm/w
90-270: 1.26	Maximum Candela:	149 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)	Endwise:	31.1
Crosswise: 31.2		

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	3.51	0.8%	60-65	28.94	6.8%	120-125	0	0.0%
5-10	10.41	2.5%	65-70	23.78	5.6%	125-130	0	0.0%
10-15	16.98	4.0%	70-75	17.80	4.2%	130-135	0	0.0%
15-20	23.00	5.4%	75-80	11.54	2.7%	135-140	0	0.0%
20-25	28.24	6.7%	80-85	5.84	1.4%	140-145	0	0.0%
25-30	32.49	7.7%	85-90	1.81	0.4%	145-150	0	0.0%
30-35	35.70	8.4%	90-95	0	0.0%	150-155	0	0.0%
35-40	37.76	8.9%	95-100	0	0.0%	155-160	0	0.0%
40-45	38.48	9.1%	100-105	0	0.0%	160-165	0	0.0%
45-50	37.89	8.9%	105-110	0	0.0%	165-170	0	0.0%
50-55	36.10	8.5%	110-115	0	0.0%	170-175	0	0.0%
55-60	33.11	7.8%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	188	44.4%
0-60	334	78.8%
0-90	423	100.0%
90-180	0	0.0%



Candela Tabulation
Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8
5	148.1	147.5	146.0	145.4	145.0	145.4	146.0	147.5	148.1	147.5	146.0	145.4	145.0	145.4	146.0	147.5
10	146.3	145.7	144.3	143.6	143.2	143.6	144.3	145.7	146.3	145.7	144.3	143.6	143.2	143.6	144.3	145.7
15	143.4	142.8	141.4	140.7	140.3	140.7	141.4	142.8	143.4	142.8	141.4	140.7	140.3	140.7	141.4	142.8
20	139.0	138.5	137.1	136.4	136.0	136.4	137.1	138.5	139.0	138.5	137.1	136.4	136.0	136.4	137.1	138.5
25	133.3	132.9	131.5	130.9	130.6	130.9	131.5	132.9	133.3	132.9	131.5	130.9	130.6	130.9	131.5	132.9
30	126.1	126.0	124.7	124.2	123.8	124.2	124.7	126.0	126.1	126.0	124.7	124.2	123.8	124.2	124.7	126.0
35	118.4	118.4	117.2	116.7	116.4	116.7	117.2	118.4	118.4	118.4	117.2	116.7	116.4	116.7	117.2	118.4
40	109.5	109.8	108.7	108.2	107.8	108.2	108.7	109.8	109.5	109.8	108.7	108.2	107.8	108.2	108.7	109.8
45	99.4	100.0	98.9	98.4	98.1	98.4	98.9	100.0	99.4	100.0	98.9	98.4	98.1	98.4	98.9	100.0
50	88.7	89.4	88.5	88.0	87.8	88.0	88.5	89.4	88.7	89.4	88.5	88.0	87.8	88.0	88.5	89.4
55	77.2	78.3	77.5	77.1	76.9	77.1	77.5	78.3	77.2	78.3	77.5	77.1	76.9	77.1	77.5	78.3
60	65.4	66.6	65.7	65.3	65.2	65.3	65.7	66.6	65.4	66.6	65.7	65.3	65.2	65.3	65.7	66.6
65	53.1	54.0	53.4	53.1	52.9	53.1	53.4	54.0	53.1	54.0	53.4	53.1	52.9	53.1	53.4	54.0
70	40.2	41.2	40.6	40.3	40.3	40.3	40.6	41.2	40.2	41.2	40.6	40.3	40.3	40.3	40.6	41.2
75	27.5	28.1	27.7	27.4	27.4	27.4	27.7	28.1	27.5	28.1	27.7	27.4	27.4	27.4	27.7	28.1
80	15.8	16.2	15.8	15.5	15.4	15.5	15.8	16.2	15.8	16.2	15.8	15.5	15.4	15.5	15.8	16.2
85	6.4	6.6	6.4	6.0	5.8	6.0	6.4	6.6	6.4	6.6	6.4	6.0	5.8	6.0	6.4	6.6
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

	0	45	90
0	77460	77460	77460
45	74160	73830	73230
55	71040	71280	70720
65	66230	66630	66100
75	56120	56400	55760
85	38980	38960	35130

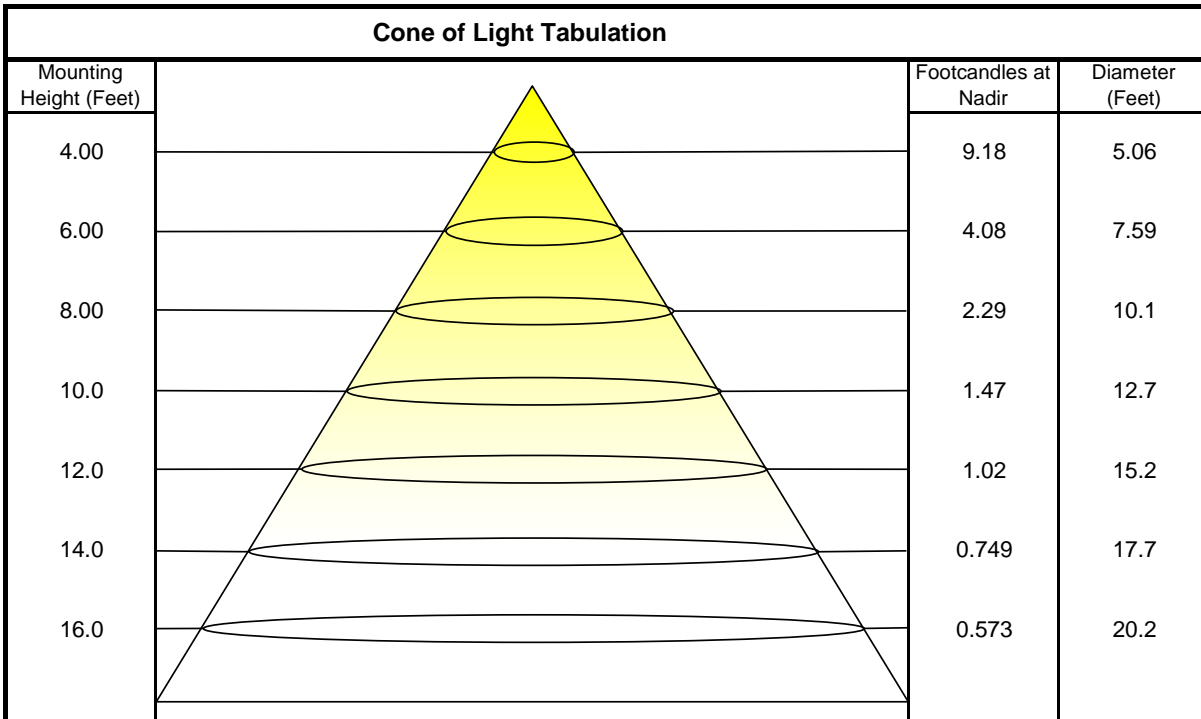


Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20%

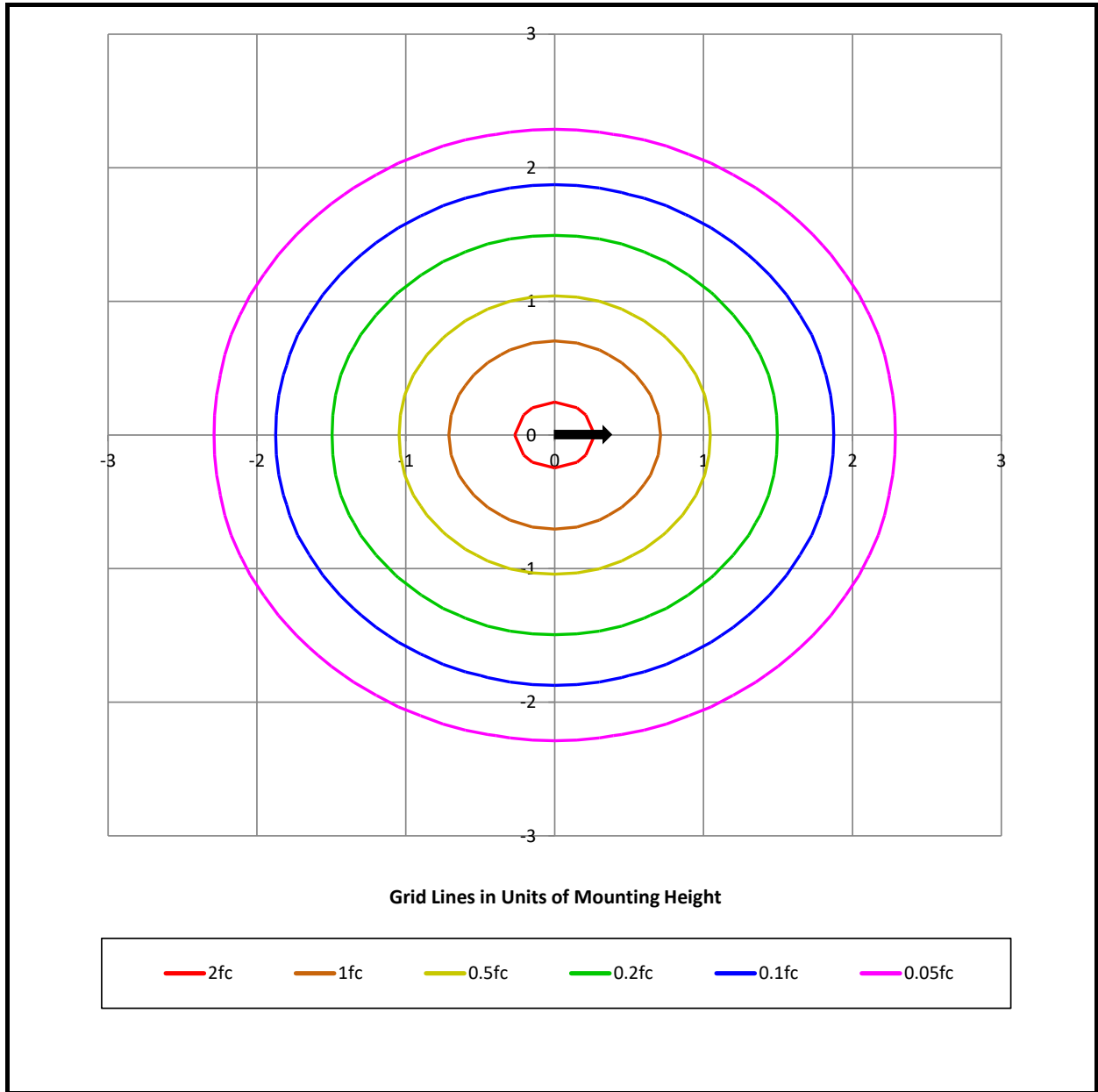
Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio (RCR)	** Values are expressed as percent of total lumen output delivered to the task surface **																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	27
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	146.8 Candela
Central Cone Intensity:	147 Candela
Beam Flux:	312.6 Lumens
Beam Angle (0-180):	113.3 Degrees
Beam Angle (90-270):	113.0 Degrees
Field Angle (0-180):	161.0 Degrees
Field Angle (90-270):	160.6 Degrees



ISOFootcandle Plot

Mounting Height - 8 Feet



ANSI/IES TM-30-18 Color Rendition Report

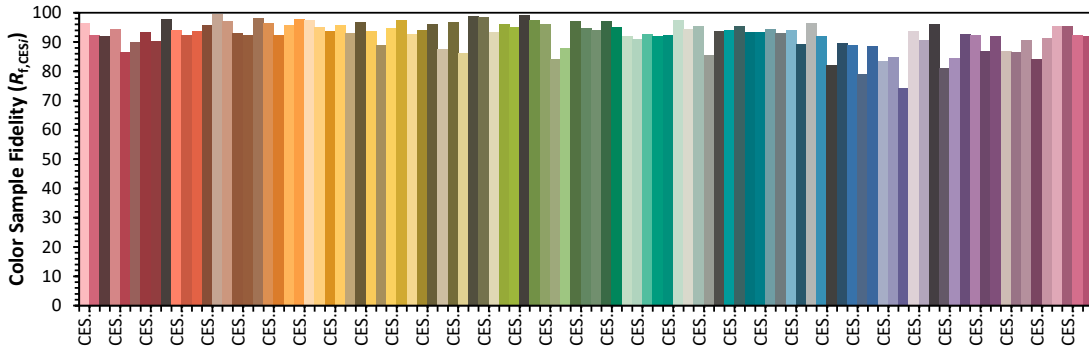
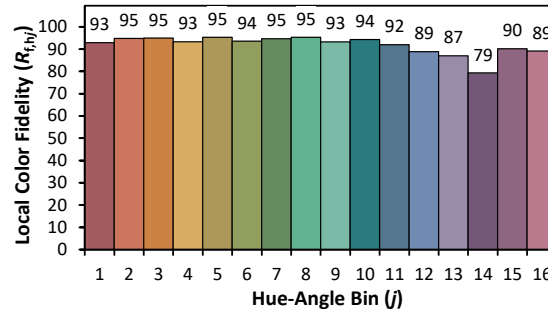
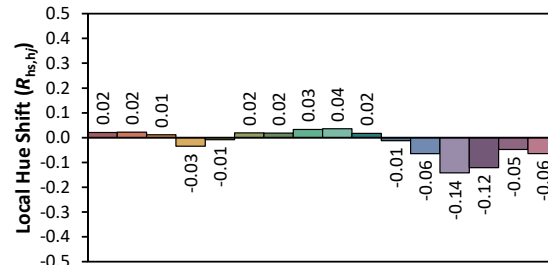
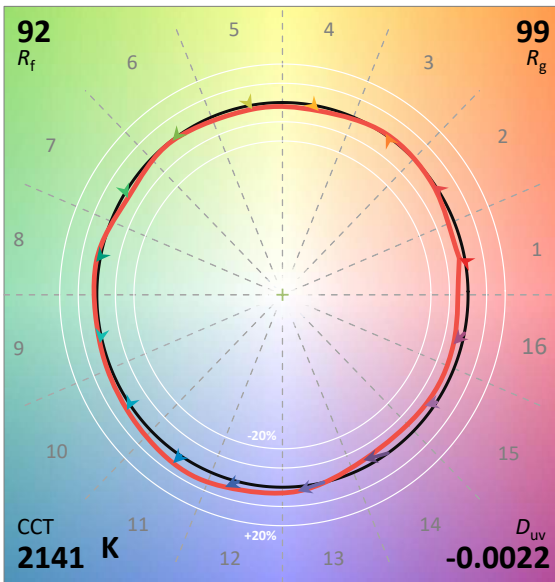
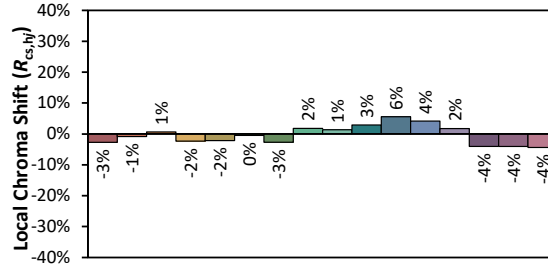
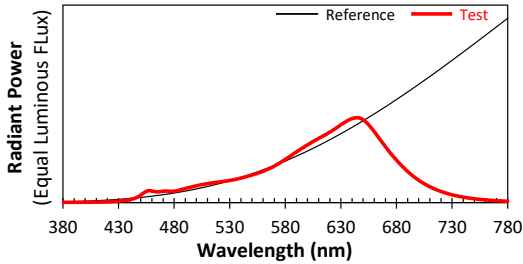
Date: 2023-03-10

Manufacturer:

SIRS Electronics Inc

Model:

ACUFIT-24CV22-05



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

x 0.5066
y 0.4080
u' 0.2944
v' 0.5335

CIE 13.3-1995 (CRI)	
R_a	94
R_g	80

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



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7036 Snowdrift Road
Allentown, PA 18106
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Integrating Sphere Test Report

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CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

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Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Summary of Results

Radiant Flux:	1781 mW
Luminous Flux:	481.4 lm
Luminaire Efficacy:	76.2 lm/W
CCT:	2529 K
CRI (Ra):	95.0
Chromaticity (x):	0.4708
Chromaticity (y):	0.4075
Chromaticity (u):	0.2710
Chromaticity (v):	0.3519
Duv:	-0.0022

Test Conditions

Test Temperature:	25.0 °C
Voltage:	120.0 VAC
Current:	0.1355 A
Power:	6.314 W
Power Factor:	0.388
Frequency:	60 Hz
Current THD:	235 %

Testing was performed in a 2-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for this measurement.

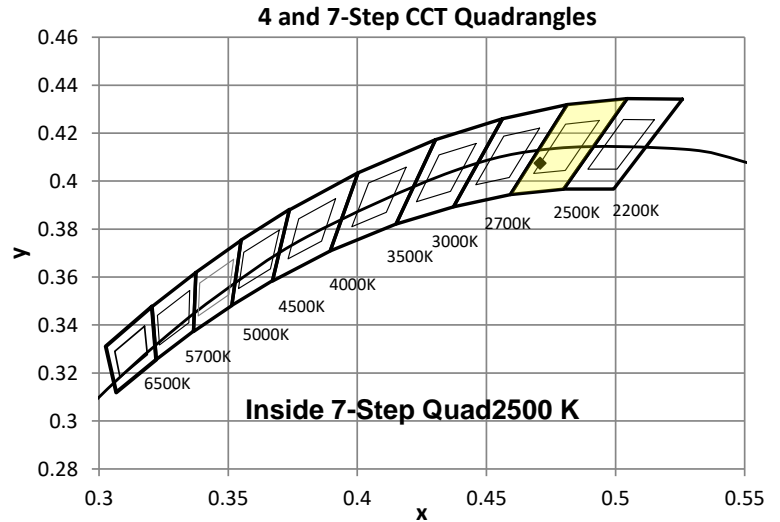
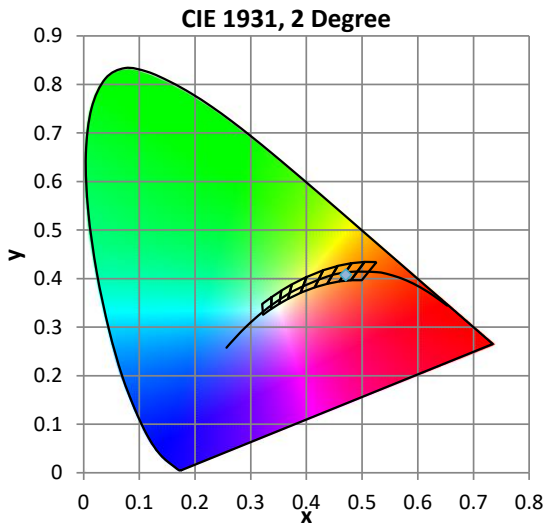
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.0 VAC	0.1355 A	6.314 W	0.388	60 Hz	235 %

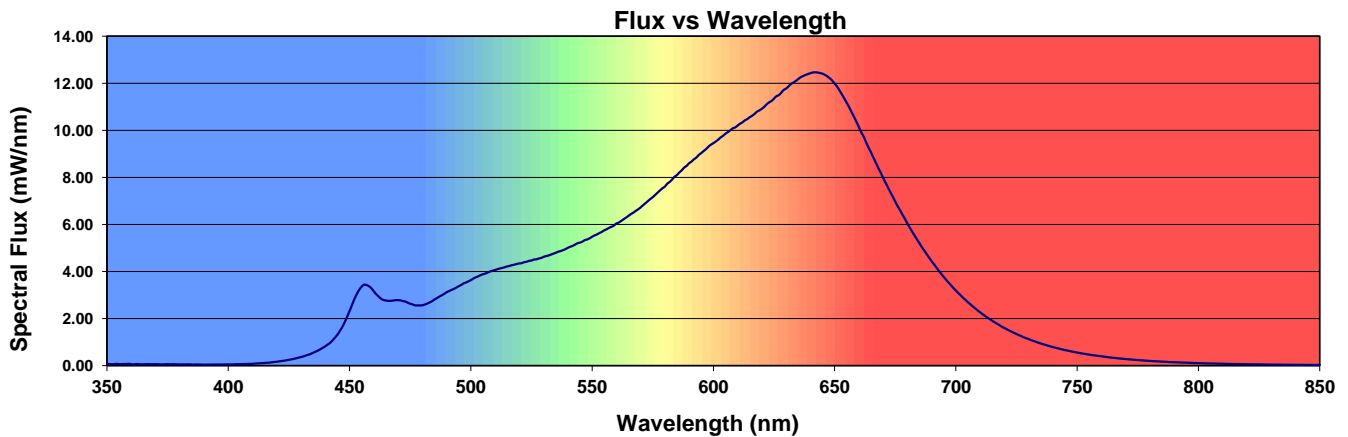
Summary of Results

Total Output:	481 Lumens	Chromaticity (x):	0.4708
Efficacy:	76.2 lm/w	Chromaticity (y):	0.4075
CCT:	2529 K	Chromaticity (u'):	0.2710
CRI (Ra):	95.0	Chromaticity (v'):	0.5278
CRI (R9):	83.4	TM-30 Rf:	93
Peak Wavelength:	642 nm	TM-30 Rg:	98
Dominant Wavelength:	555 nm	TM-30 Rcs,h1:	-2%
S/P Ratio:	1.3	Duv:	-0.0018
M/P Ratio:	0.5 WELL Building Standard v2		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.0	99.1	96.7	95.0	98.1	97.6	91.4	92.2	90.1	83.4	92.7	96.3	84.0	98.2	98.1	96.6



ANSI/IES TM-30-18 Color Rendition Report

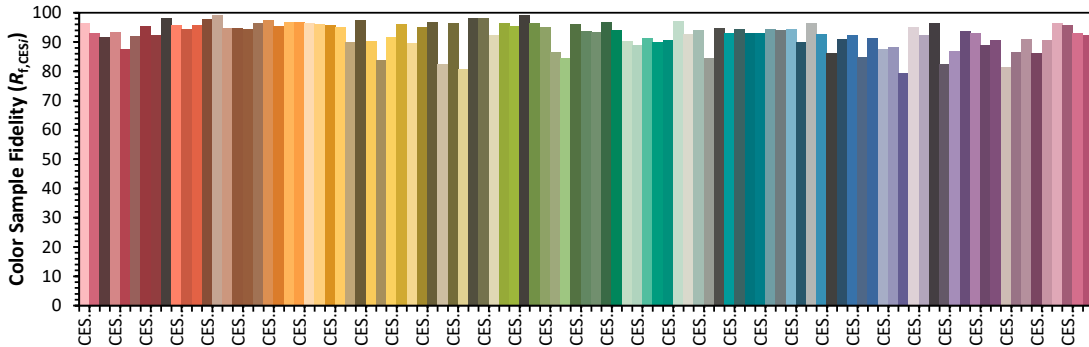
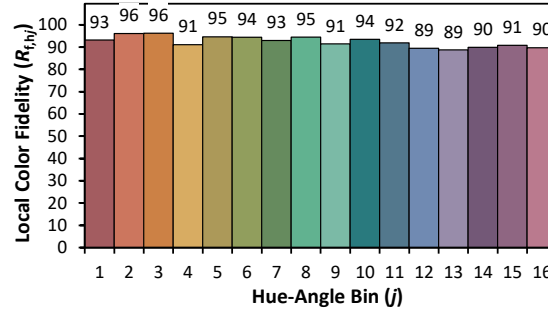
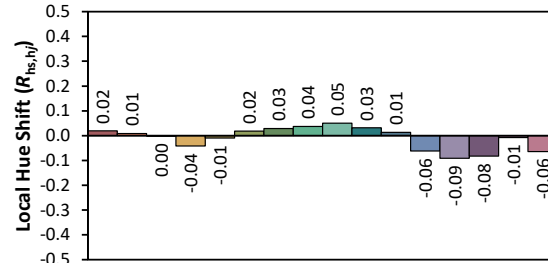
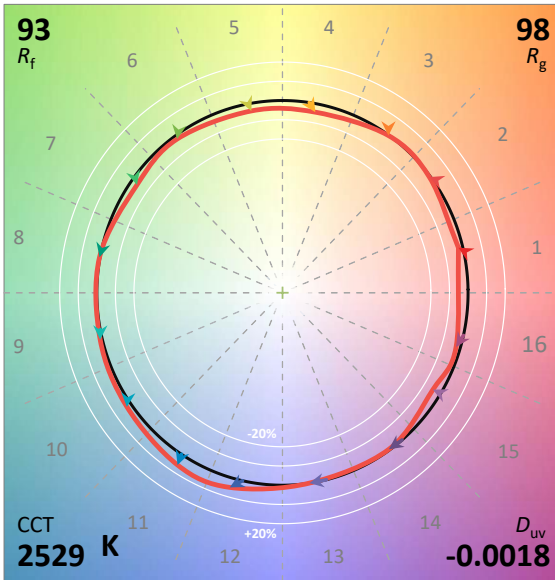
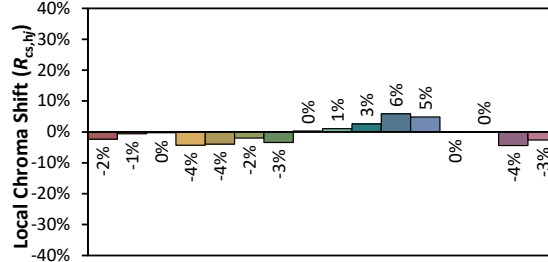
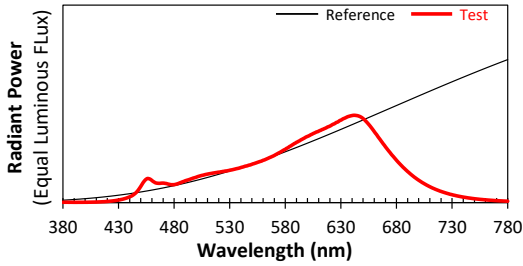
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x 0.4708
y 0.4075
u' 0.2710
v' 0.5278

CIE 13.3-1995 (CRI)	
R_a	95
R_g	83

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
SIRS Electronics Inc
3307 West St
Rosenberg, TX 77471

Catalog Number
ACUFIT-24CV27-05

Order Number
14709286
Test Number
14709286.03

Test Date
2023-03-10

Prepared By

Derek Smarr, Senior Technician

Approved By

Jeffrey Lockner, Staff Engineer

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Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Summary of Results

Radiant Flux:	1808 mW
Luminous Flux:	493.6 lm
Luminaire Efficacy:	79.0 lm/W
CCT:	2763 K
CRI (Ra):	97.8
Chromaticity (x):	0.4531
Chromaticity (y):	0.4064
Chromaticity (u):	0.2600
Chromaticity (v):	0.3498
Duv:	-0.0011

Test Conditions

Test Temperature:	25.0 °C
Voltage:	120.0 VAC
Current:	0.1342 A
Power:	6.247 W
Power Factor:	0.388
Frequency:	60 Hz
Current THD:	235 %

Testing was performed in a 2-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for this measurement.

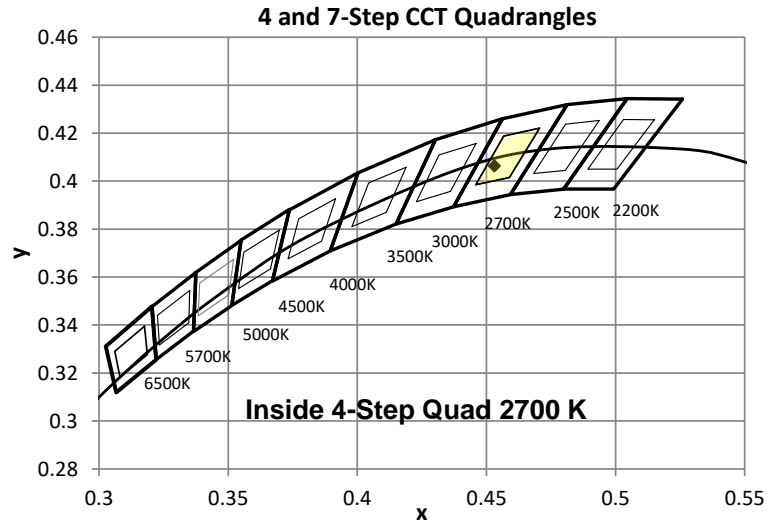
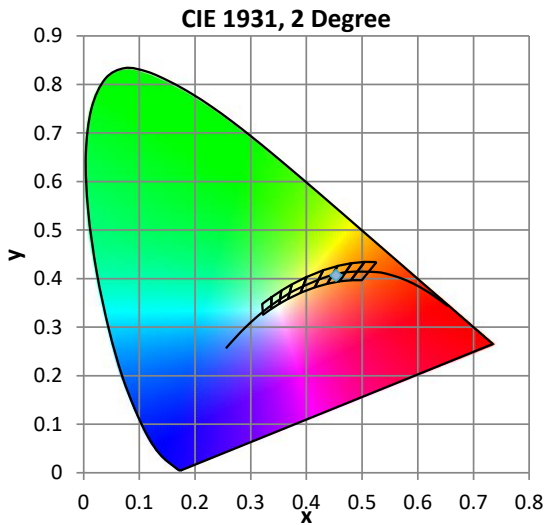
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.0 VAC	0.1342 A	6.247 W	0.388	60 Hz	235 %

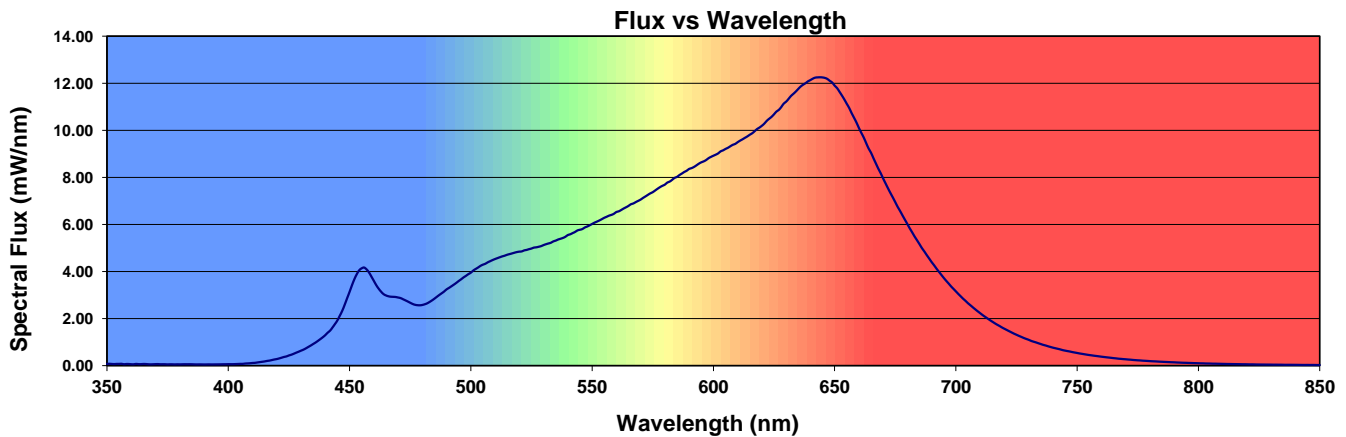
Summary of Results

Total Output:	494 Lumens	Chromaticity (x):	0.4531
Efficacy:	79.0 lm/w	Chromaticity (y):	0.4064
CCT:	2763 K	Chromaticity (u'):	0.2600
CRI (Ra):	97.8	Chromaticity (v'):	0.5247
CRI (R9):	92.6	TM-30 Rf:	95
Peak Wavelength:	644 nm	TM-30 Rg:	100
Dominant Wavelength:	555 nm	TM-30 Rcs,h1:	-1%
S/P Ratio:	1.39	Duv:	-0.0010
M/P Ratio:	0.54 WELL Building Standard v2		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.8	99.3	98.6	99.1	99.3	98.6	95.7	96.1	95.6	92.6	97.2	96.9	88.9	99.0	99.3	98.2



ANSI/IES TM-30-18 Color Rendition Report

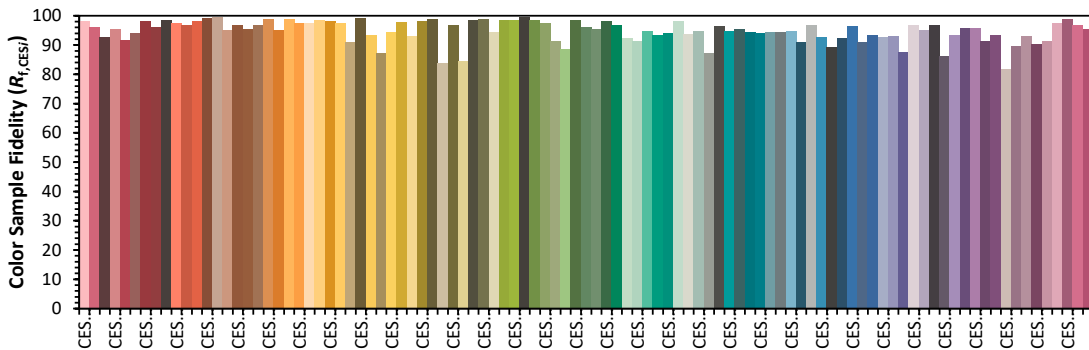
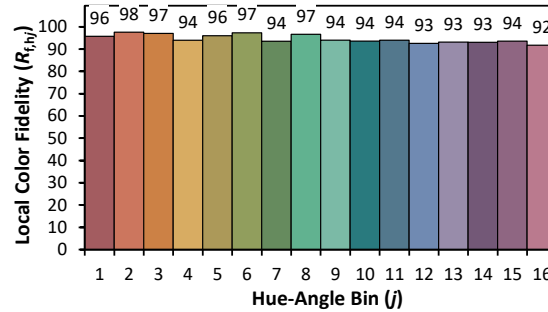
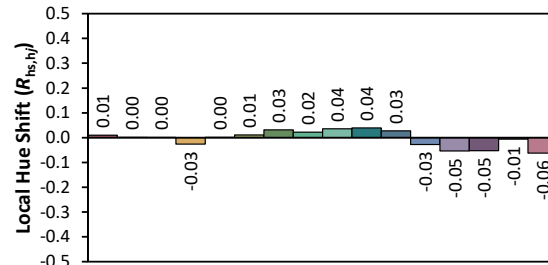
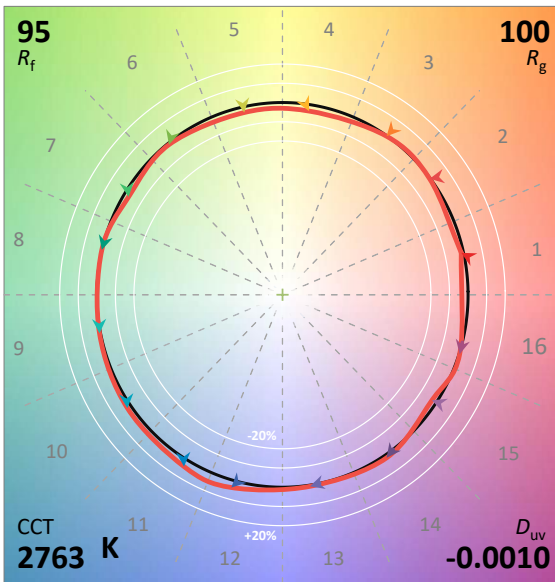
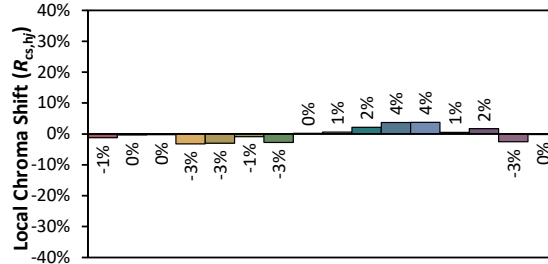
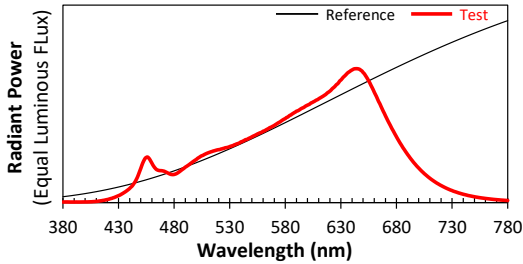
Date: 2023-03-10

Manufacturer:

SIRS Electronics Inc

Model:

ACUFIT-24CV27-05



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

x 0.4531
y 0.4064
u' 0.2600
v' 0.5247

CIE 13.3-1995 (CRI)	
R_a	98
R_g	93

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
SIRS Electronics Inc
3307 West St
Rosenberg, TX 77471

Catalog Number
ACUFIT-24CV30-05

Order Number
14709286
Test Number
14709286.04

Test Date

2023-03-10

Prepared By

Derek Smarr, Senior Technician

Approved By

Jeffrey Lockner, Staff Engineer

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NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Summary of Results

Radiant Flux:	1851 mW
Luminous Flux:	531.9 lm
Luminaire Efficacy:	85.6 lm/W
CCT:	3175 K
CRI (Ra):	96.8
Chromaticity (x):	0.4255
Chromaticity (y):	0.4009
Chromaticity (u):	0.2445
Chromaticity (v):	0.3456
Duv:	0.0002

Test Conditions

Test Temperature:	24.8 °C
Voltage:	120.0 VAC
Current:	0.1335 A
Power:	6.217 W
Power Factor:	0.388
Frequency:	60 Hz
Current THD:	235 %

Absorption correction was employed for this measurement.

Color Quality - Integrating Sphere

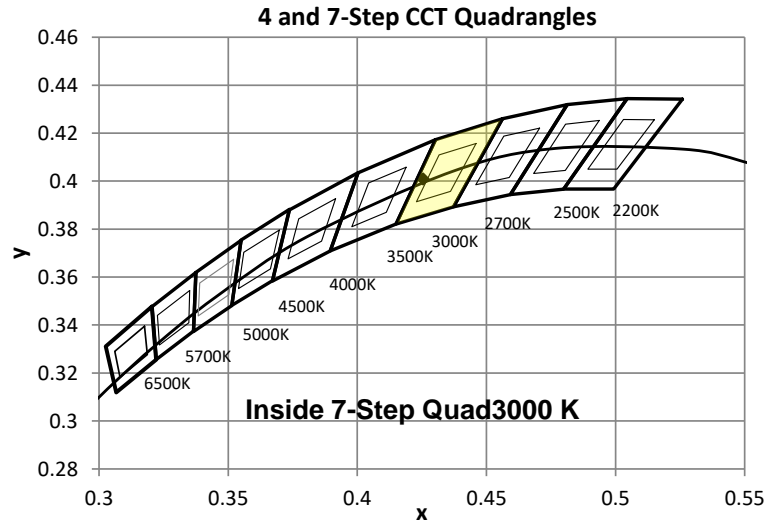
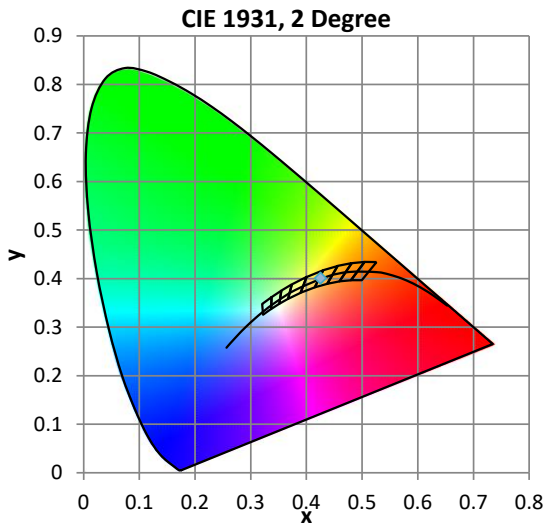
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.1335 A	6.217 W	0.388	60 Hz	235 %

Summary of Results

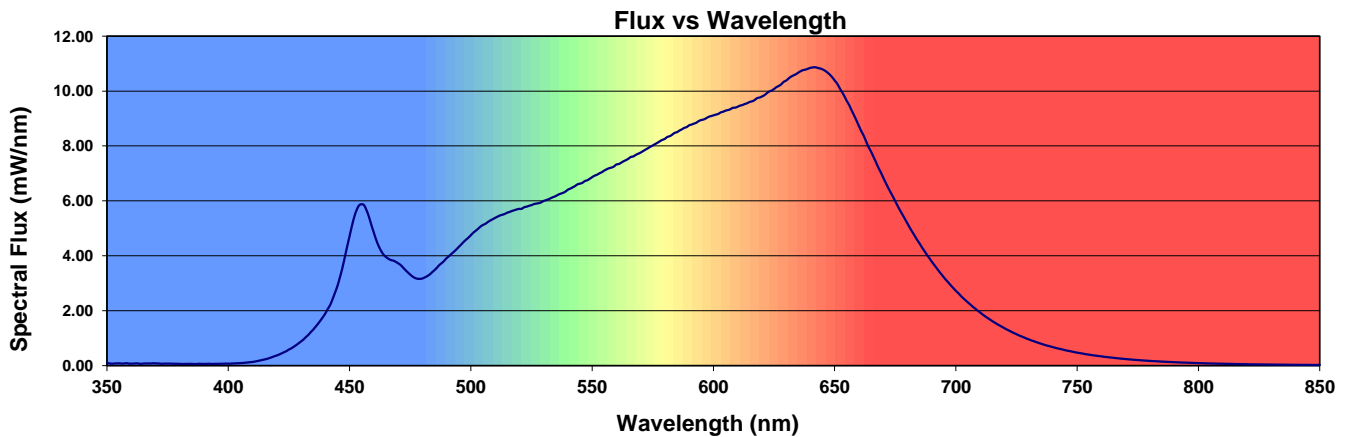
Total Output:	532 Lumens	Chromaticity (x):	0.4255
Efficacy:	85.6 lm/w	Chromaticity (y):	0.4009
CCT:	3175 K	Chromaticity (u'):	0.2445
CRI (Ra):	96.8	Chromaticity (v'):	0.5184
CRI (R9):	82.7	TM-30 Rf:	93
Peak Wavelength:	642 nm	TM-30 Rg:	98
Dominant Wavelength:	555 nm	TM-30 Rcs,h1:	-2%
S/P Ratio:	1.54	Duv:	0.0005
M/P Ratio:	0.61		

WELL Building Standard v2



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.8	97.1	99.2	99.7	96.4	96.8	97.8	95.4	91.7	82.7	97.7	98.3	84.7	97.9	99.3	94.9



ANSI/IES TM-30-18 Color Rendition Report

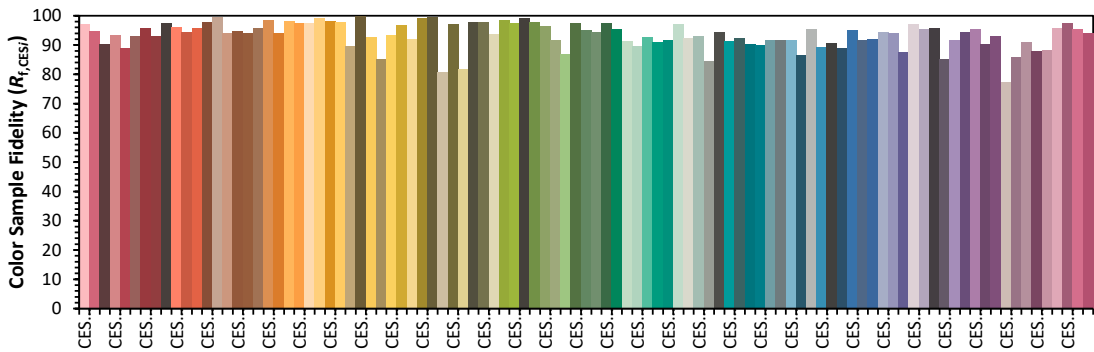
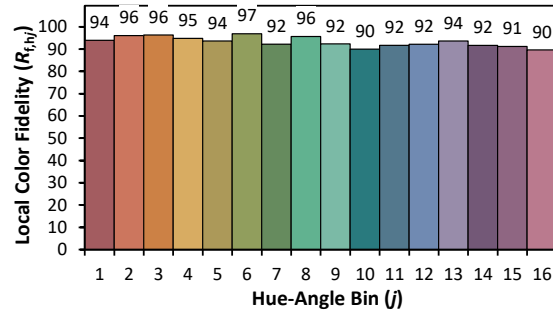
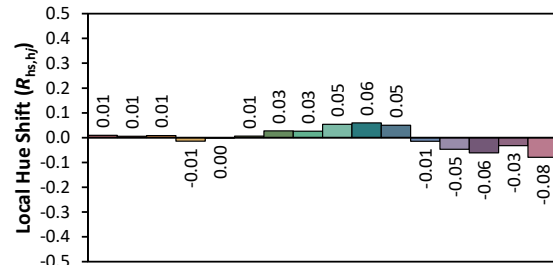
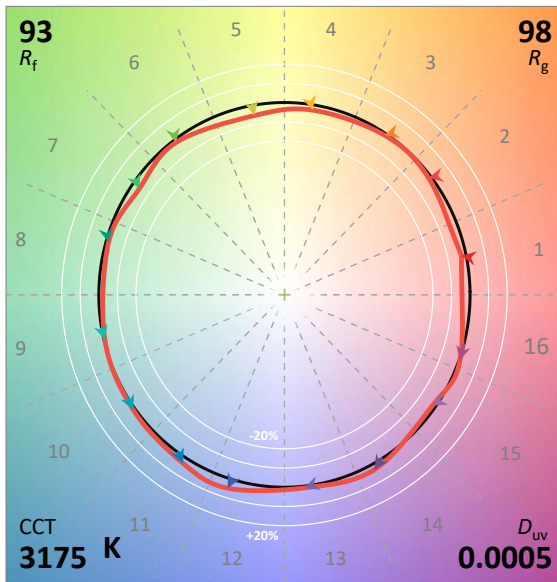
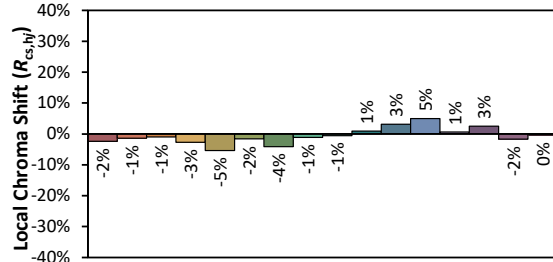
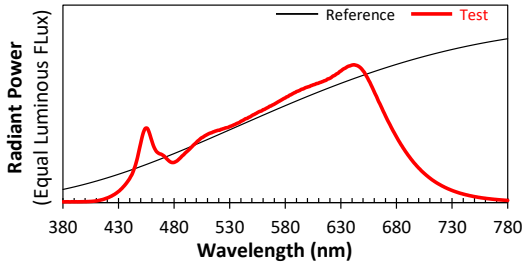
Date: 2023-03-10

Manufacturer:

SIRS Electronics Inc

Model:

ACUFIT-24CV30-05



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

x 0.4255
y 0.4009
u' 0.2445
v' 0.5184

CIE 13.3-1995 (CRI)
R_a 97
R_g 83

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
SIRS Electronics Inc
3307 West St
Rosenberg, TX 77471

Catalog Number
ACUFIT-24CV35-05

Order Number
14709286
Test Number
14709286.05

Test Date
2023-03-10

Prepared By

Derek Smarr, Senior Technician

Approved By

Jeffrey Lockner, Staff Engineer

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Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Summary of Results

Radiant Flux:	1894 mW
Luminous Flux:	520.2 lm
Luminaire Efficacy:	81.8 lm/W
CCT:	3453 K
CRI (Ra):	94.0
Chromaticity (x):	0.4043
Chromaticity (y):	0.3827
Chromaticity (u):	0.2384
Chromaticity (v):	0.3385
Duv:	-0.0036

Test Conditions

Test Temperature:	24.7 °C
Voltage:	120.0 VAC
Current:	0.1363 A
Power:	6.358 W
Power Factor:	0.389
Frequency:	60 Hz
Current THD:	234 %

Testing was performed in a 2-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for this measurement.

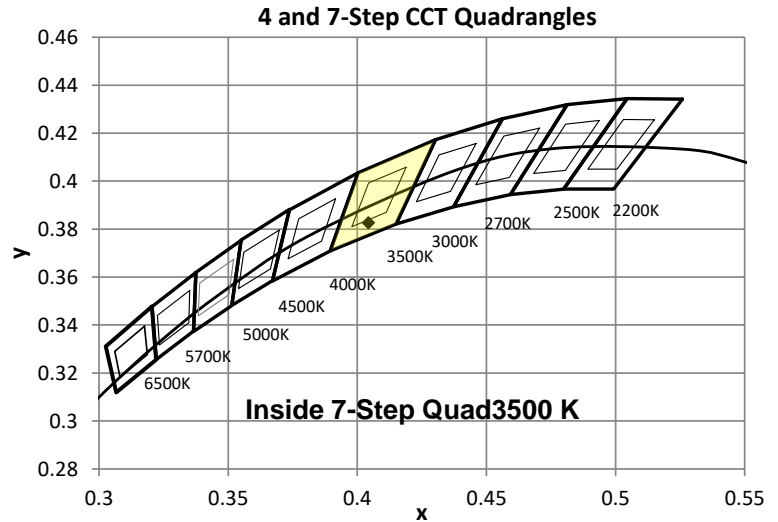
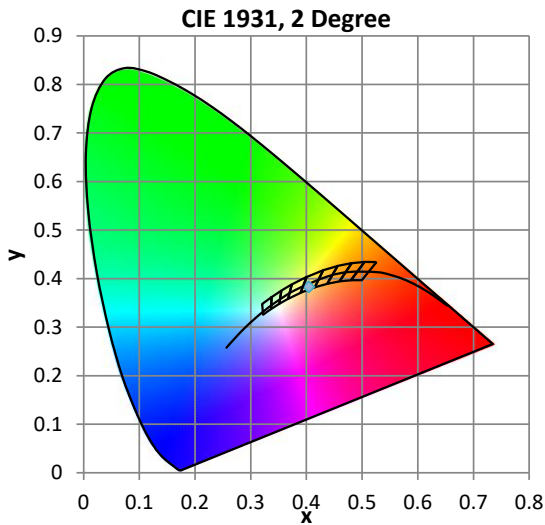
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.0 VAC	0.1363 A	6.358 W	0.389	60 Hz	234 %

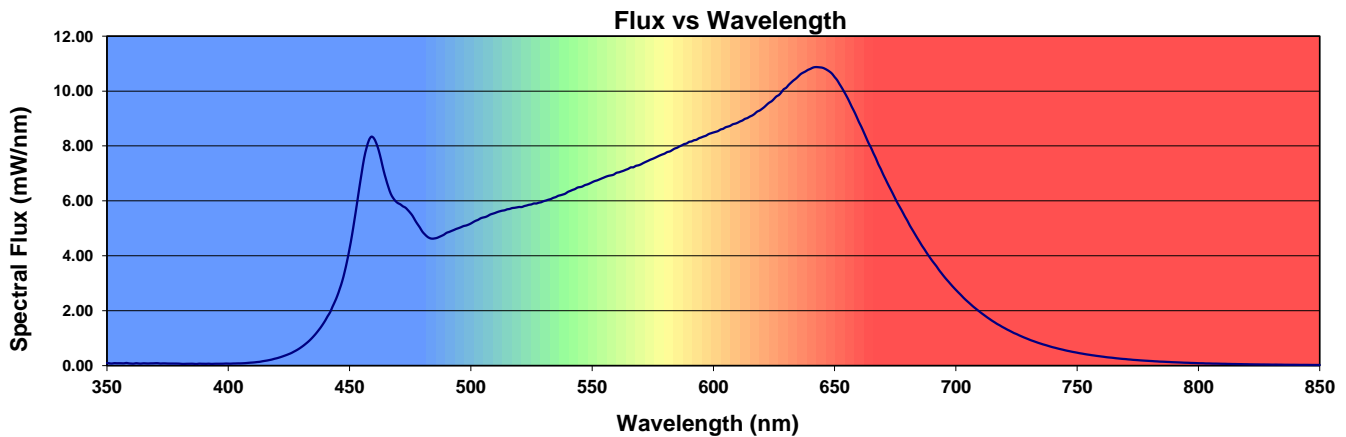
Summary of Results

Total Output:	520 Lumens	Chromaticity (x):	0.4043
Efficacy:	81.8 lm/w	Chromaticity (y):	0.3827
CCT:	3453 K	Chromaticity (u'):	0.2384
CRI (Ra):	94.0	Chromaticity (v'):	0.5077
CRI (R9):	91.7	TM-30 Rf:	90
Peak Wavelength:	643 nm	TM-30 Rg:	97
Dominant Wavelength:	555 nm	TM-30 Rcs,h1:	0%
S/P Ratio:	1.75	Duv:	-0.0033
M/P Ratio:	0.73 WELL Building Standard v2		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.0	95.1	93.9	95.2	95.1	94.1	90.8	93.1	95.1	91.7	87.9	96.9	78.4	94.2	98.0	94.1



ANSI/IES TM-30-18 Color Rendition Report

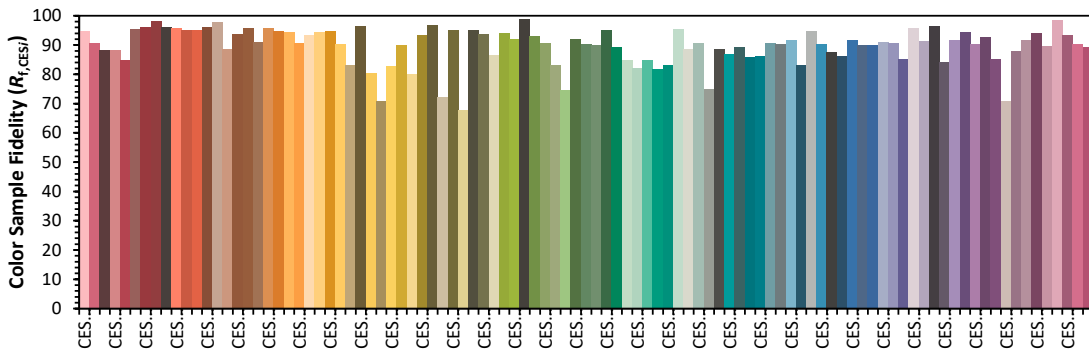
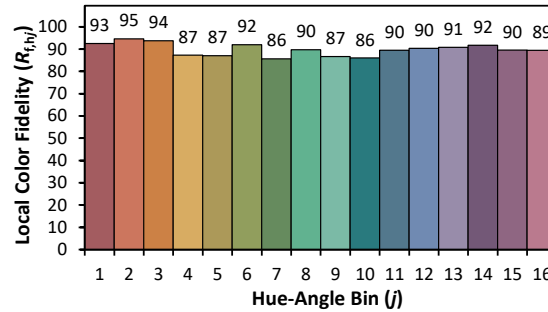
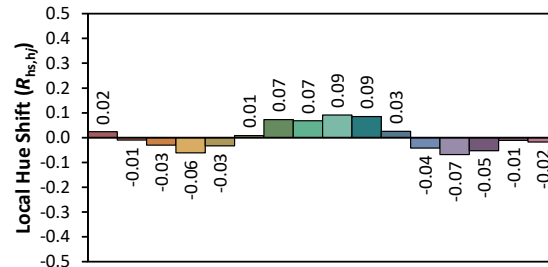
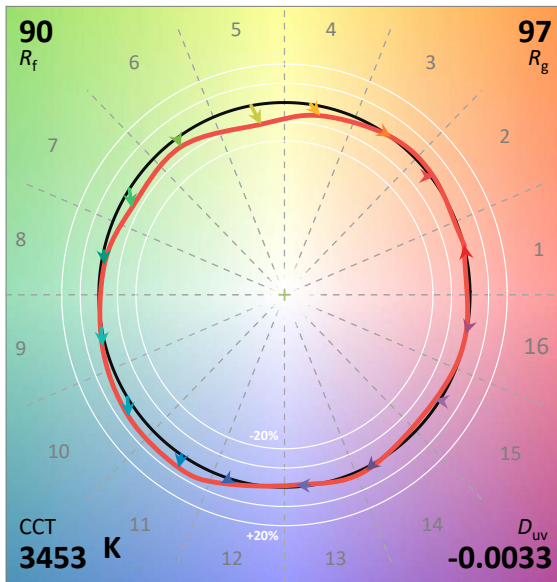
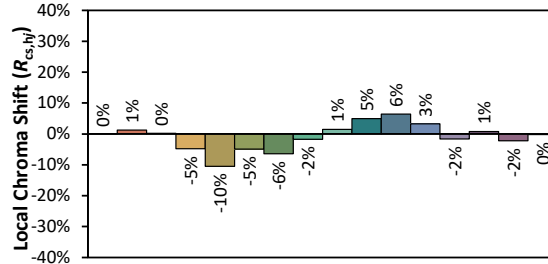
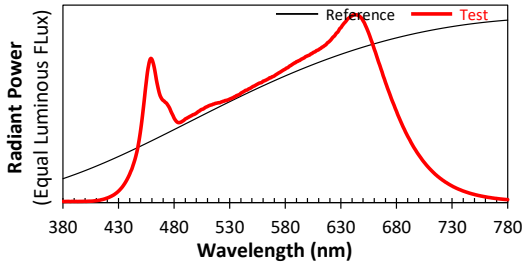
Date: 2023-03-10

Manufacturer:

SIRS Electronics Inc

Model:

ACUFIT-24CV35-05



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

x 0.4043
y 0.3827
u' 0.2384
v' 0.5077

CIE 13.3-1995 (CRI)	
R_a	94
R_g	92

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
SIRS Electronics Inc
3307 West St
Rosenberg, TX 77471

Catalog Number
ACUFIT-24CV40-05

Order Number
14709286
Test Number
14709286.06

Test Date

2023-03-10

Prepared By

Derek Smarr, Senior Technician

Approved By

Jeffrey Lockner, Staff Engineer

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Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Summary of Results

Radiant Flux:	1832 mW
Luminous Flux:	510.2 lm
Luminaire Efficacy:	82.5 lm/W
CCT:	4022 K
CRI (Ra):	97.1
Chromaticity (x):	0.3778
Chromaticity (y):	0.3703
Chromaticity (u):	0.2260
Chromaticity (v):	0.3322
Duv:	-0.0030

Test Conditions

Test Temperature:	24.8 °C
Voltage:	120.0 VAC
Current:	0.1330 A
Power:	6.186 W
Power Factor:	0.387
Frequency:	60 Hz
Current THD:	235 %

Testing was performed in a 2-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for this measurement.

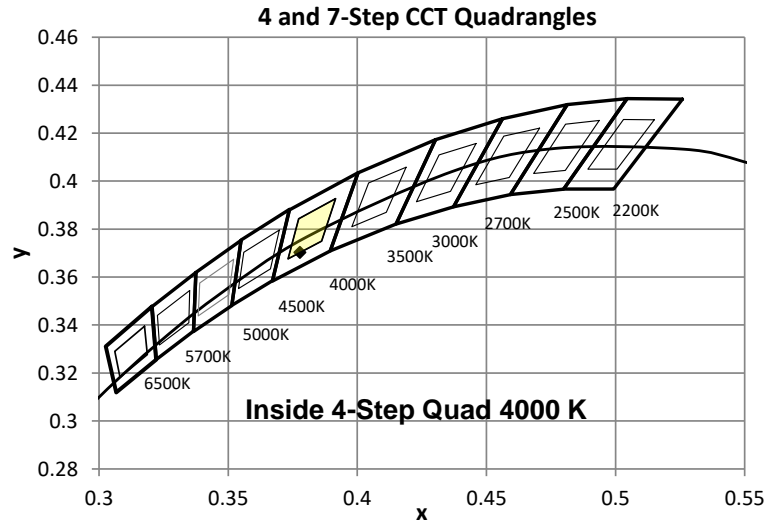
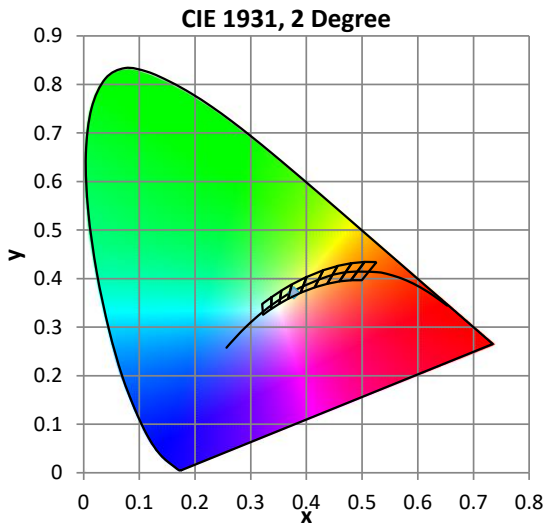
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.1330 A	6.186 W	0.387	60 Hz	235 %

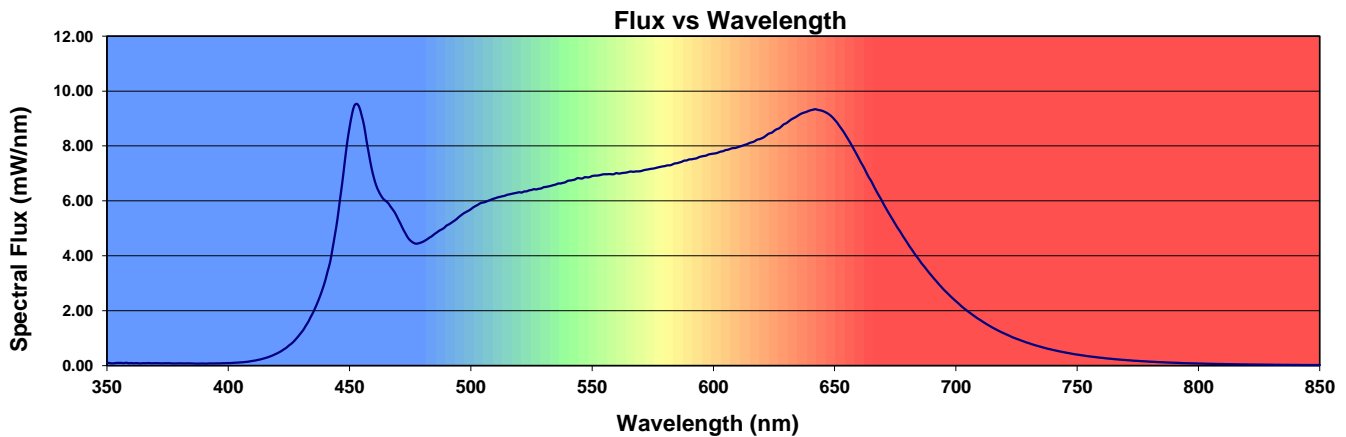
Summary of Results

Total Output:	510 Lumens	Chromaticity (x):	0.3778
Efficacy:	82.5 lm/w	Chromaticity (y):	0.3703
CCT:	4022 K	Chromaticity (u'):	0.2260
CRI (Ra):	97.1	Chromaticity (v'):	0.4983
CRI (R9):	92.2	TM-30 Rf:	93
Peak Wavelength:	453 nm	TM-30 Rg:	100
Dominant Wavelength:	555 nm	TM-30 Rcs,h1:	0%
S/P Ratio:	1.9	Duv:	-0.0023
M/P Ratio:	0.8 WELL Building Standard v2		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.1	96.5	97.1	99.4	97.9	96.6	95.4	97.0	96.7	92.2	95.1	97.0	80.7	96.3	99.0	95.1



ANSI/IES TM-30-18 Color Rendition Report

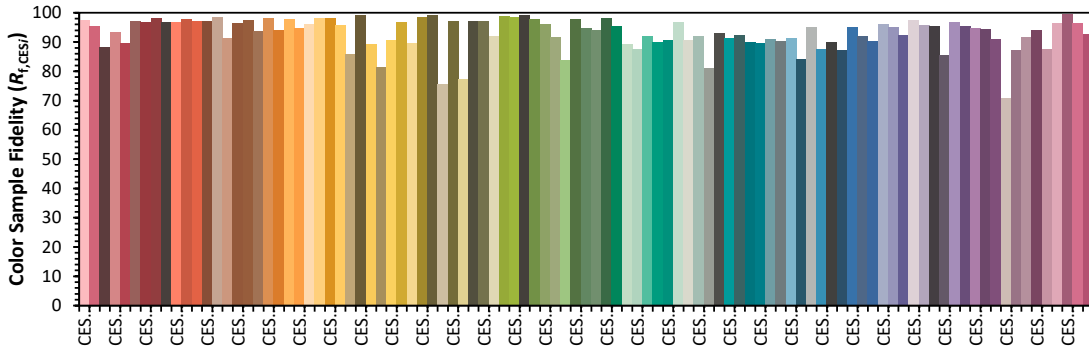
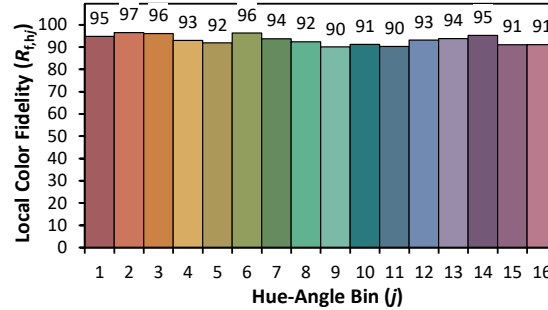
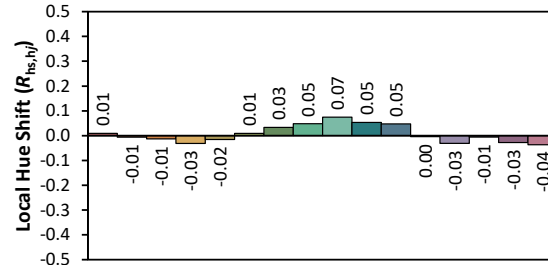
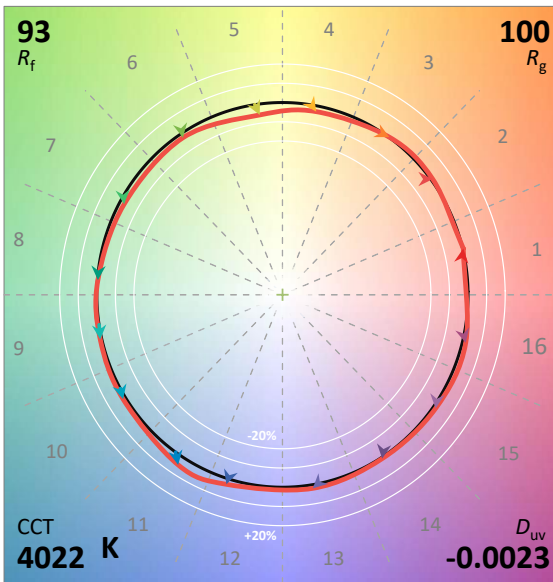
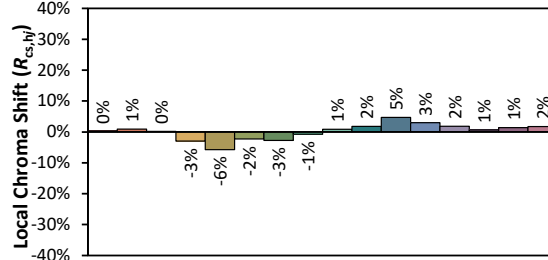
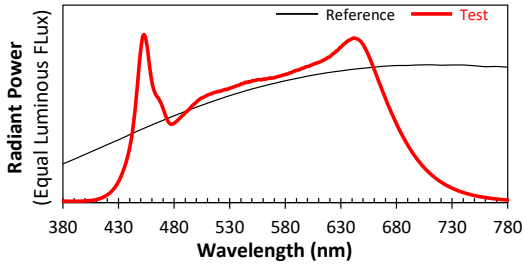
Date: 2023-03-10

Manufacturer:

SIRS Electronics Inc

Model:

ACUFIT-24CV40-05



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

x **0.3778**
 y **0.3703**
 u' **0.2260**
 v' **0.4983**

CIE 13.3-1995 (CRI)	
R_a	97
R_g	92

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
SIRS Electronics Inc
3307 West St
Rosenberg, TX 77471

Catalog Number
ACUFIT-24CV50-05

Order Number
14709286
Test Number
14709286.07

Test Date

2023-03-14

Prepared By

Derek Smarr, Senior Technician

Approved By

Jeffrey Lockner, Staff Engineer

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NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Summary of Results

Radiant Flux:	1916 mW
Luminous Flux:	528.8 lm
Luminaire Efficacy:	85.9 lm/W
CCT:	5200 K
CRI (Ra):	97.5
Chromaticity (x):	0.3398
Chromaticity (y):	0.3502
Chromaticity (u):	0.2084
Chromaticity (v):	0.3221
Duv:	0.0010

Test Conditions

Test Temperature:	24.6 °C
Voltage:	120.0 VAC
Current:	0.1323 A
Power:	6.154 W
Power Factor:	0.387
Frequency:	60 Hz
Current THD:	235 %

Testing was performed in a 2-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for this measurement.

Color Quality - Integrating Sphere

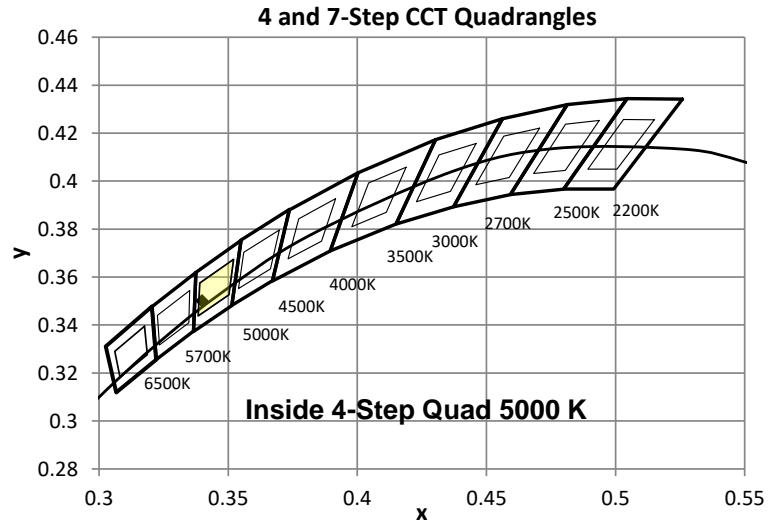
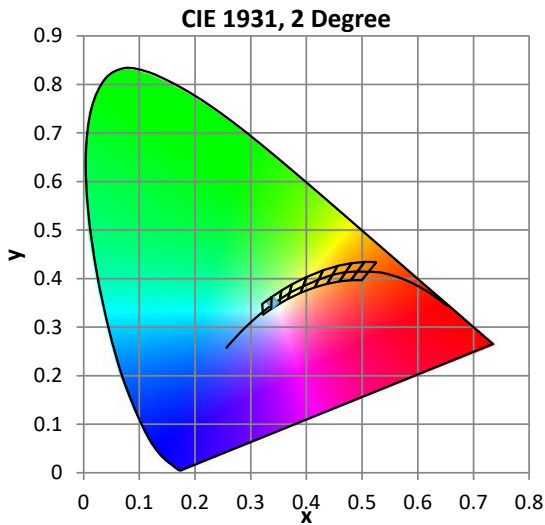
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.0 VAC	0.1323 A	6.154 W	0.387	60 Hz	235 %

Summary of Results

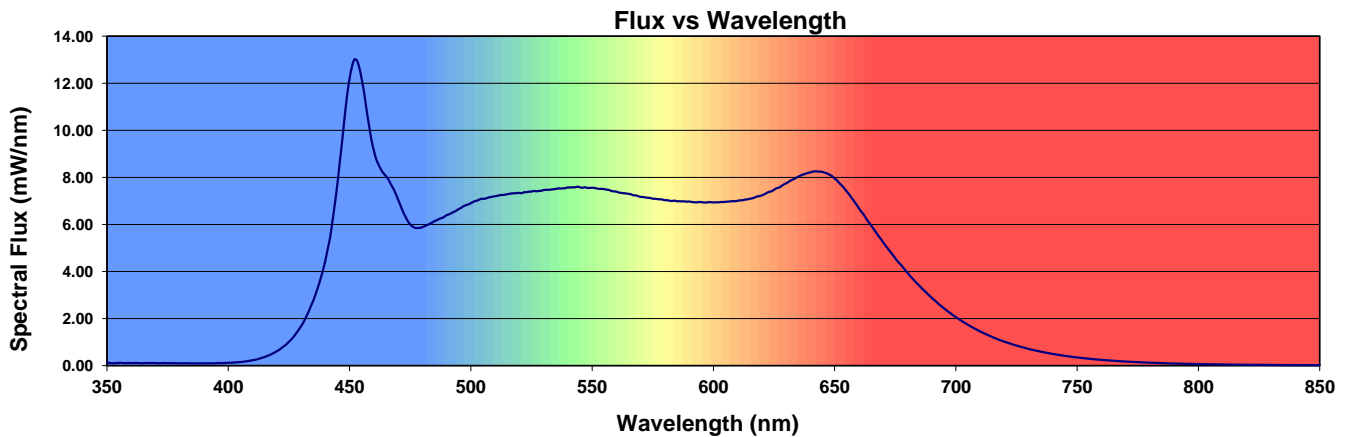
Total Output:	529 Lumens	Chromaticity (x):	0.3398
Efficacy:	85.9 lm/w	Chromaticity (y):	0.3502
CCT:	5200 K	Chromaticity (u'):	0.2084
CRI (Ra):	97.5	Chromaticity (v'):	0.4832
CRI (R9):	89.0	TM-30 Rf:	94
Peak Wavelength:	452 nm	TM-30 Rg:	100
Dominant Wavelength:	555 nm	TM-30 Rcs,h1:	1%
S/P Ratio:	2.21	Duv:	0.0014
M/P Ratio:	0.97		

WELL Building Standard v2



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.5	97.3	98.3	98.6	98.2	97.2	96.5	97.8	96.1	89.0	97.5	98.0	80.2	97.4	98.8	95.0



ANSI/IES TM-30-18 Color Rendition Report

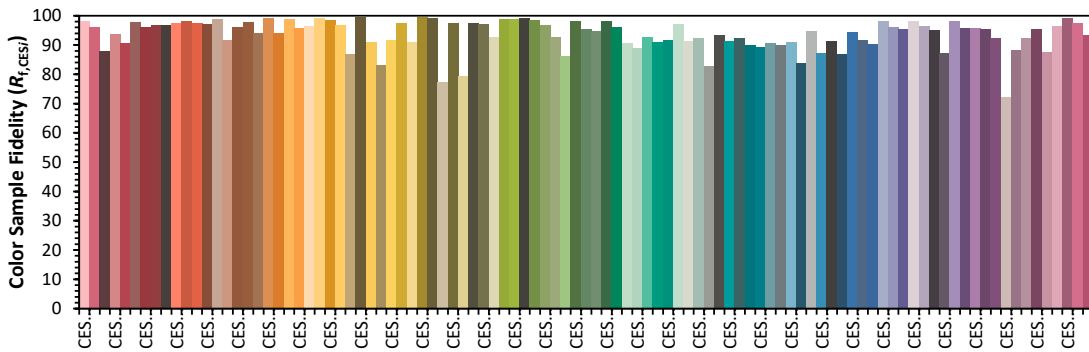
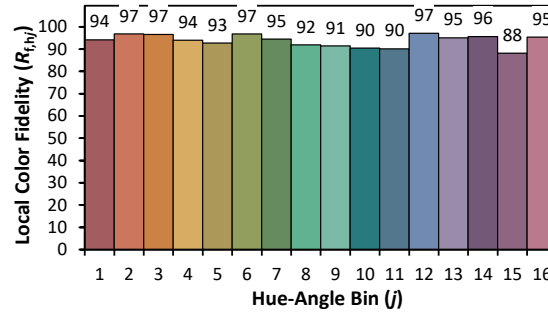
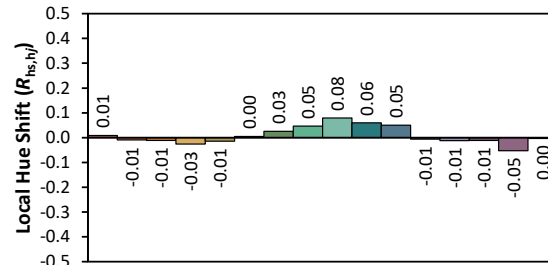
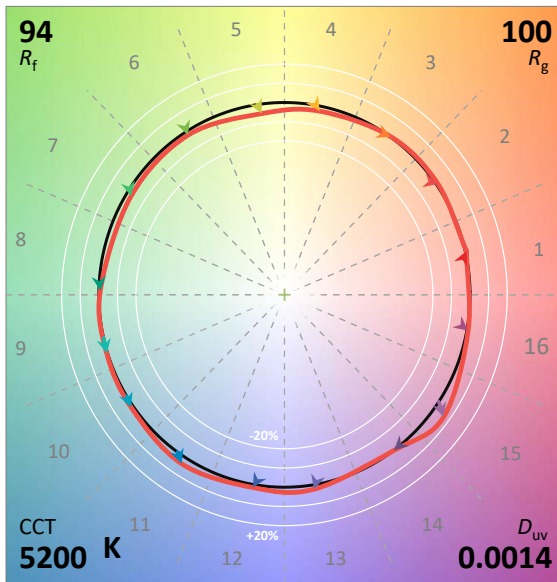
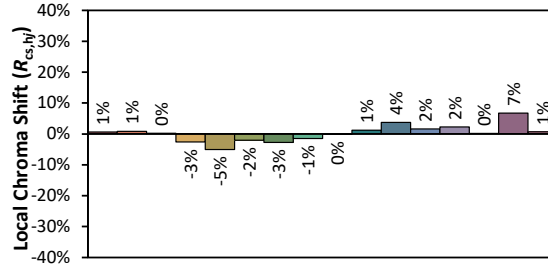
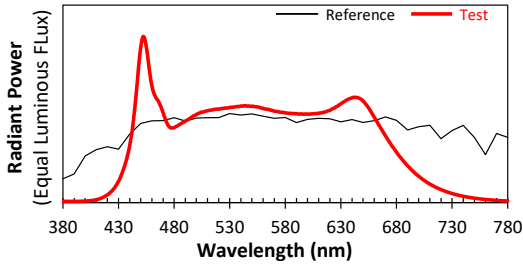
Date: 2023-03-14

Manufacturer:

SIRS Electronics Inc

Model:

ACUFIT-24CV50-05



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

x 0.3398
y 0.3502
u' 0.2084
v' 0.4832

CIE 13.3-1995 (CRI)
R_a 97
R_g 89

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
SIRS Electronics Inc
3307 West St
Rosenberg, TX 77471

Catalog Number
ACUFIT-24CV57-05

Order Number
14709286
Test Number
14709286.08

Test Date

2023-03-14

Prepared By

Derek Smarr, Senior Technician

Approved By

Jeffrey Lockner, Staff Engineer

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This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Summary of Results

Radiant Flux:	2016 mW
Luminous Flux:	533.7 lm
Luminaire Efficacy:	85.3 lm/W
CCT:	5789 K
CRI (Ra):	93.6
Chromaticity (x):	0.3262
Chromaticity (y):	0.3349
Chromaticity (u):	0.2049
Chromaticity (v):	0.3156
Duv:	-0.0010

Test Conditions

Test Temperature:	24.7 °C
Voltage:	120.0 VAC
Current:	0.1342 A
Power:	6.256 W
Power Factor:	0.388
Frequency:	60 Hz
Current THD:	235 %

Testing was performed in a 2-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for this measurement.

Color Quality - Integrating Sphere

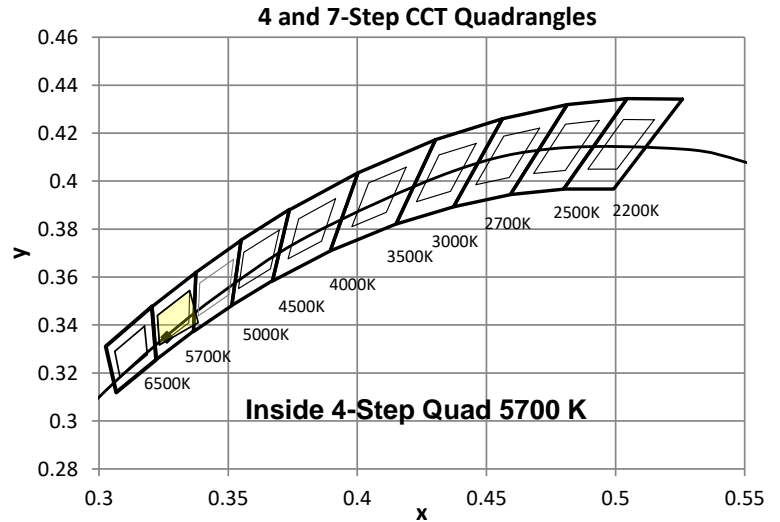
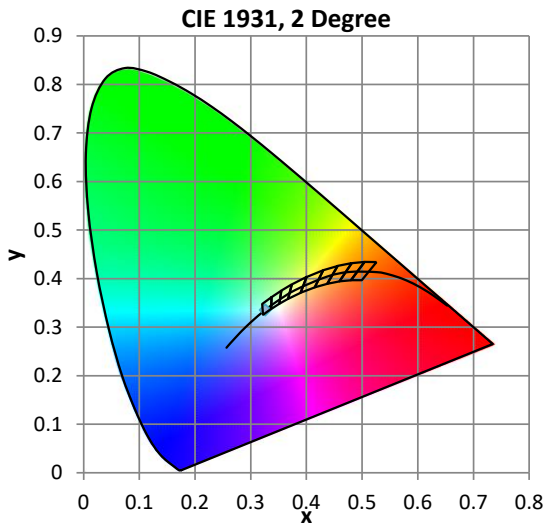
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.0 VAC	0.1342 A	6.256 W	0.388	60 Hz	235 %

Summary of Results

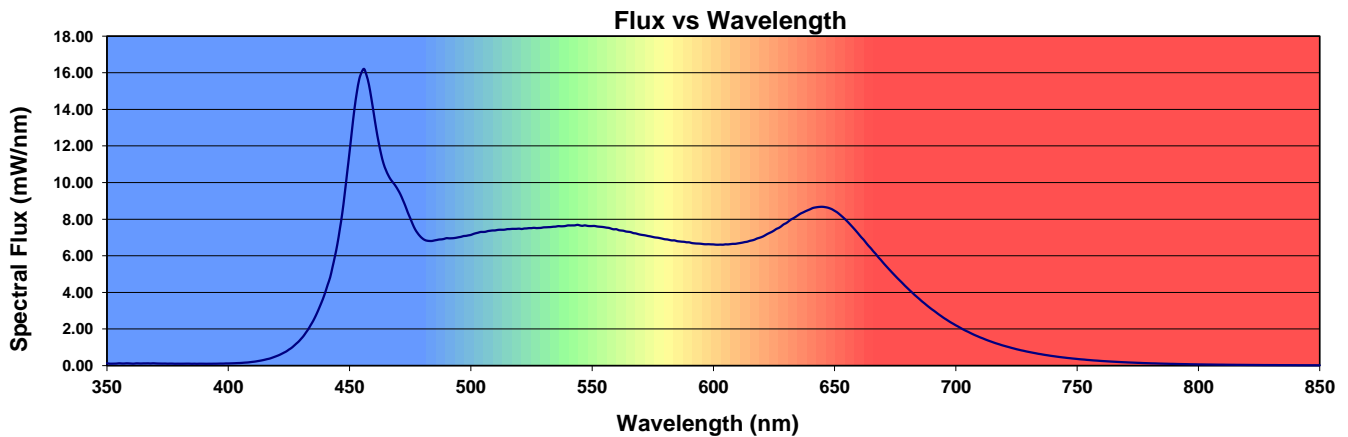
Total Output:	534 Lumens	Chromaticity (x):	0.3262
Efficacy:	85.3 lm/w	Chromaticity (y):	0.3349
CCT:	5789 K	Chromaticity (u'):	0.2049
CRI (Ra):	93.6	Chromaticity (v'):	0.4734
CRI (R9):	65.9	TM-30 Rf:	90
Peak Wavelength:	456 nm	TM-30 Rg:	99
Dominant Wavelength:	495 nm	TM-30 Rcs,h1:	3%
S/P Ratio:	2.39	Duv:	-0.0003
M/P Ratio:	1.07		

WELL Building Standard v2



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.6	92.7	94.1	99.0	93.9	93.2	93.8	93.7	88.4	65.9	89.1	96.6	75.1	92.5	98.9	87.5



ANSI/IES TM-30-18 Color Rendition Report

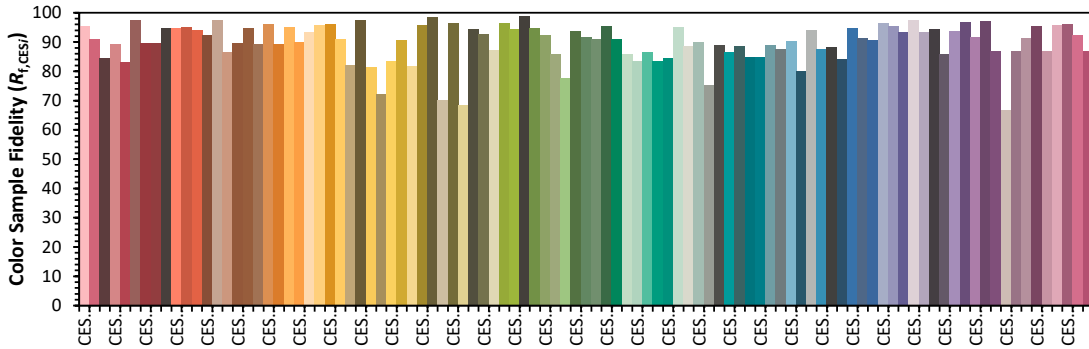
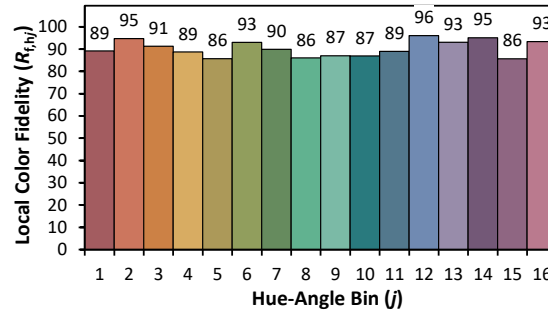
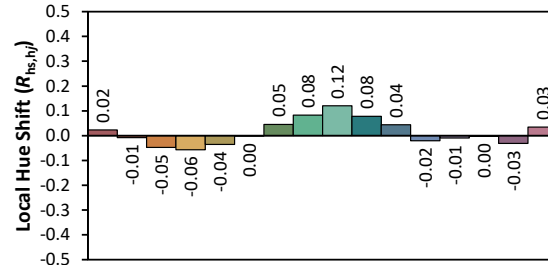
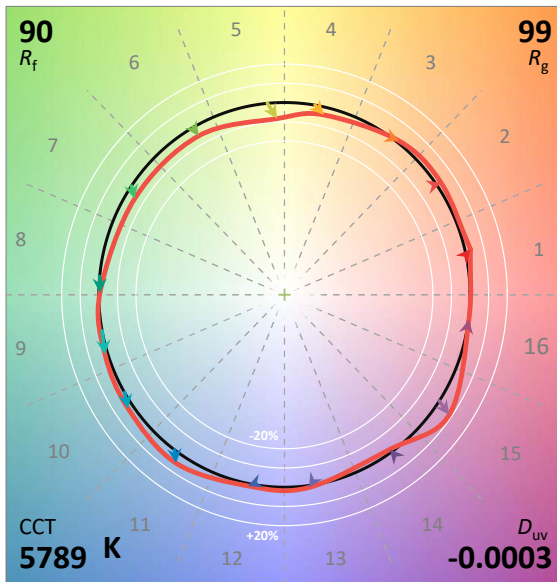
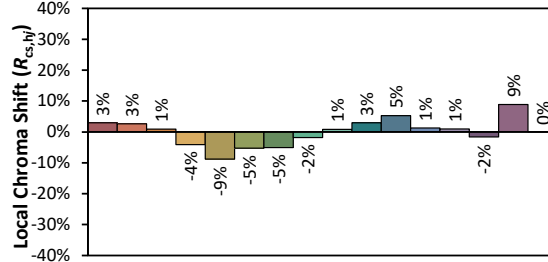
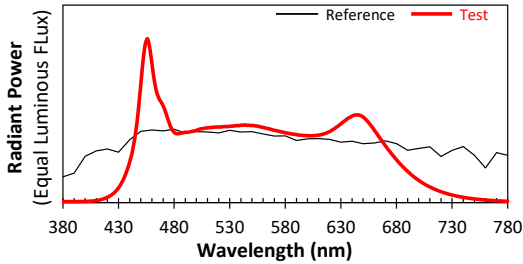
Date: 2023-03-14

Manufacturer:

SIRS Electronics Inc

Model:

ACUFIT-24CV57-05



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

x 0.3262
y 0.3349
u' 0.2049
v' 0.4734

CIE 13.3-1995 (CRI)	
R_a	94
R_g	66

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
SIRS Electronics Inc
3307 West St
Rosenberg, TX 77471

Catalog Number
ACUFIT-24CV65-05

Order Number
14709286
Test Number
14709286.09

Test Date
2023-03-14

Prepared By

Derek Smarr, Senior Technician

Approved By

Jeffrey Lockner, Staff Engineer

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Luminaire Description: Flexible tape light, no enclosure
Lamp: 90 white LEDs
Mounting: Surface
Ballast/Driver: One Cull Power SAW30-240-1200 R1 Power Supply

Luminaire



Summary of Results

Radiant Flux:	2091 mW
Luminous Flux:	558.6 lm
Luminaire Efficacy:	88.8 lm/W
CCT:	6940 K
CRI (Ra):	92.2
Chromaticity (x):	0.3068
Chromaticity (y):	0.3190
Chromaticity (u):	0.1974
Chromaticity (v):	0.3080
Duv:	0.0006

Test Conditions

Test Temperature:	24.6 °C
Voltage:	120.0 VAC
Current:	0.1349 A
Power:	6.292 W
Power Factor:	0.389
Frequency:	60 Hz
Current THD:	235 %

Testing was performed in a 2-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for this measurement.

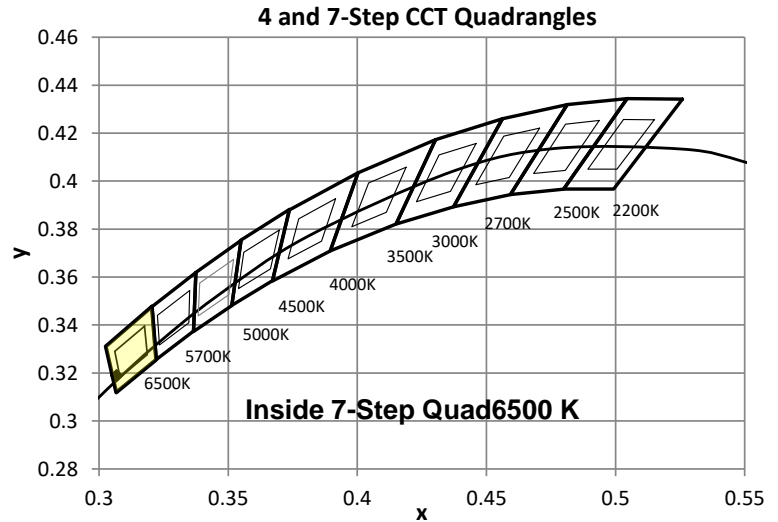
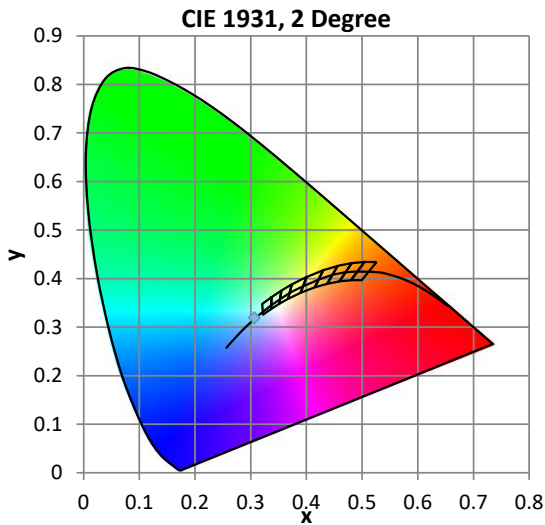
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.0 VAC	0.1349 A	6.292 W	0.389	60 Hz	235 %

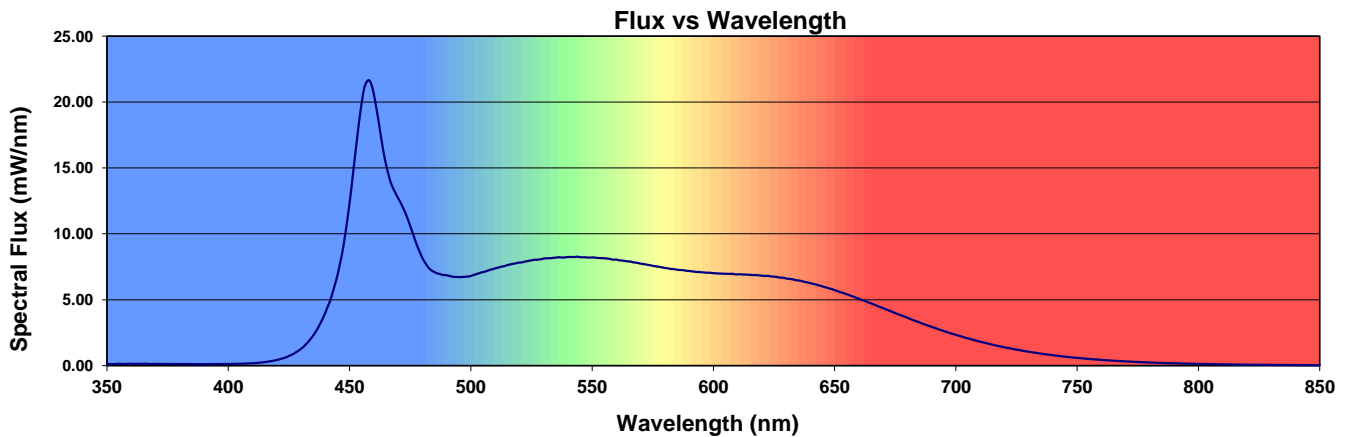
Summary of Results

Total Output:	559 Lumens	Chromaticity (x):	0.3068
Efficacy:	88.8 lm/w	Chromaticity (y):	0.3190
CCT:	6940 K	Chromaticity (u'):	0.1974
CRI (Ra):	92.2	Chromaticity (v'):	0.4620
CRI (R9):	92.8	TM-30 Rf:	86
Peak Wavelength:	458 nm	TM-30 Rg:	95
Dominant Wavelength:	485 nm	TM-30 Rcs,h1:	-3%
S/P Ratio:	2.54	Duv:	0.0011
M/P Ratio:	1.16 WELL Building Standard v2		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92.2	95.8	96.3	96.0	86.1	91.0	93.4	89.1	89.8	92.8	95.6	89.4	64.7	97.7	98.7	91.1



ANSI/IES TM-30-18 Color Rendition Report

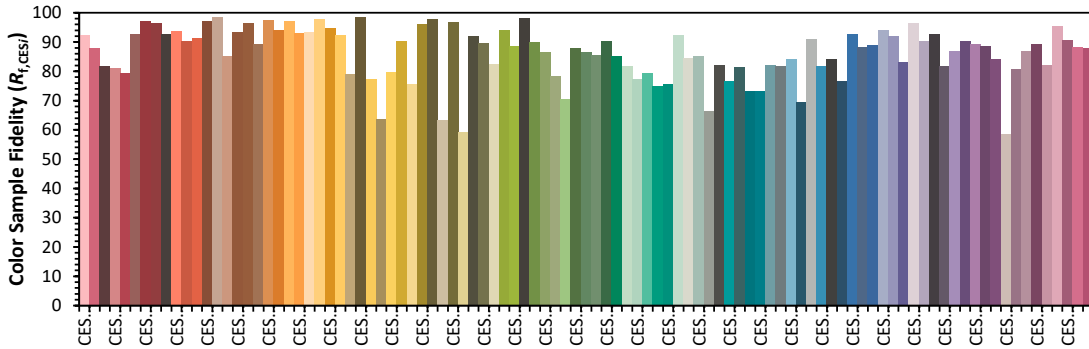
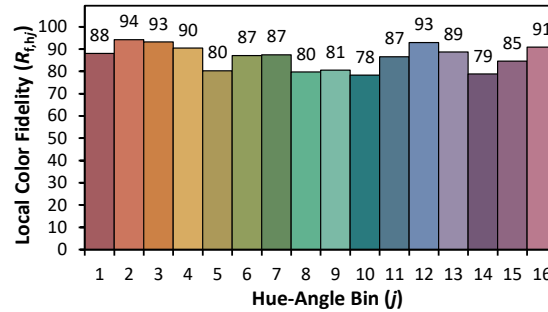
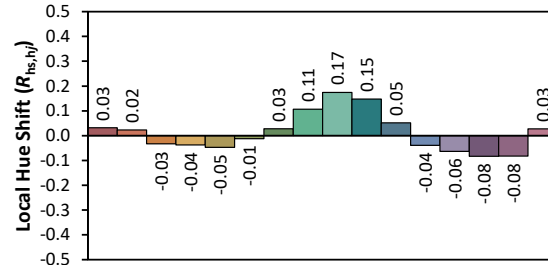
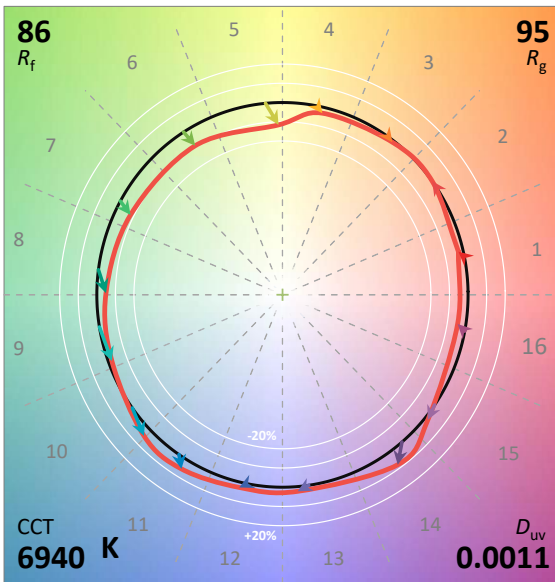
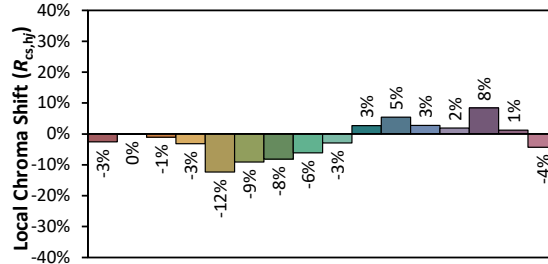
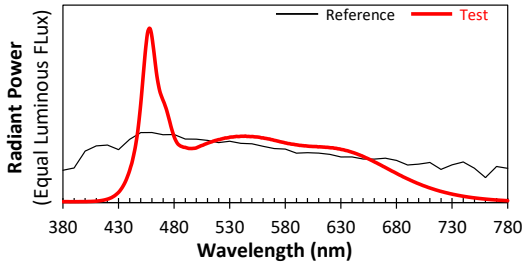
Date: 2023-03-14

Manufacturer:

SIRS Electronics Inc

Model:

ACUFIT-24CV65-05



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

x **0.3068**
 y **0.3190**
 u' **0.1974**
 v' **0.4620**

CIE 13.3-1995 (CRI)	
R_a	92
R_g	93

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.