

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P856332

Luminaire Tested: **FFX-CLB-40-722-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856332
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-722-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5455.4 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

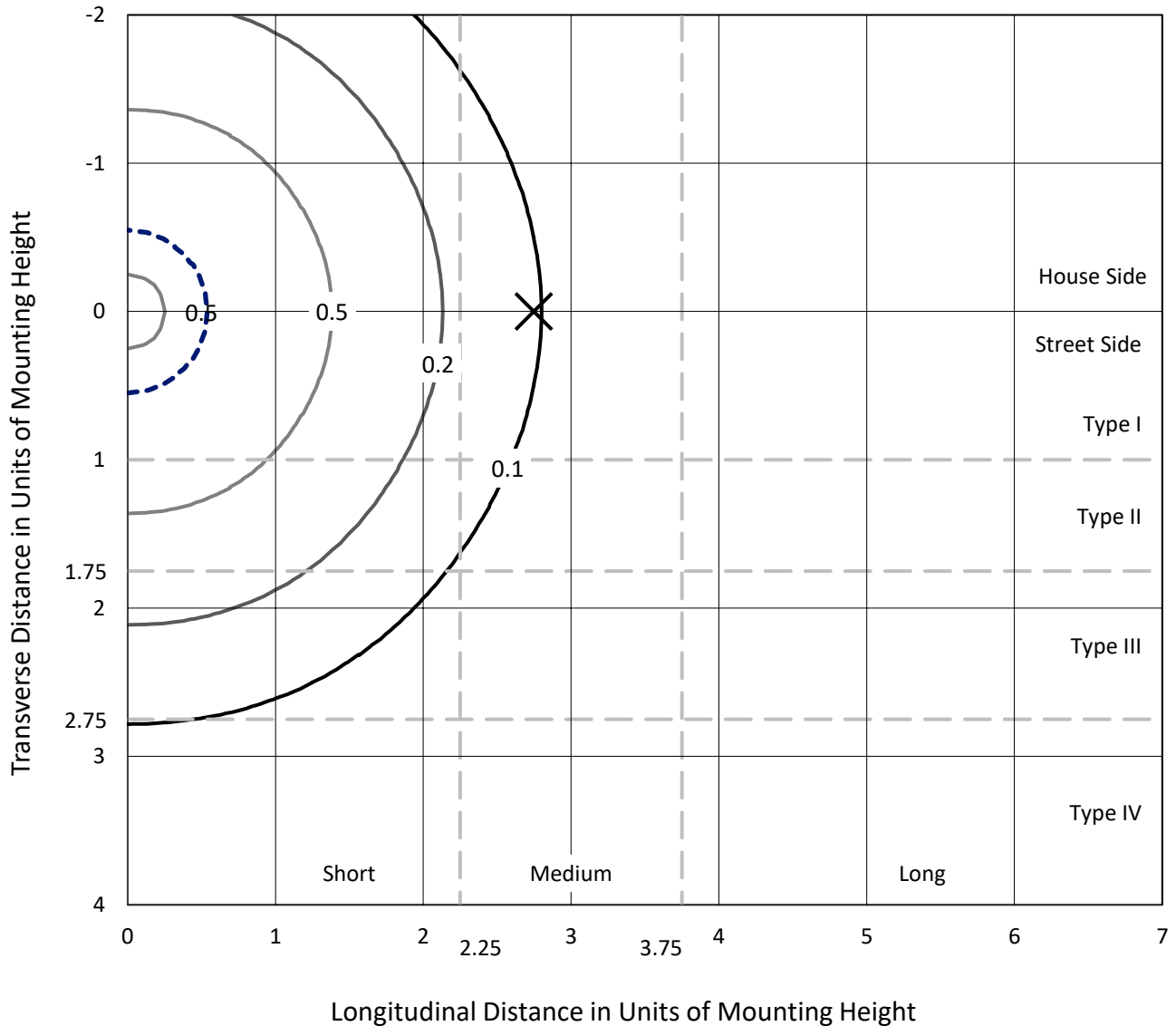
Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.2%%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

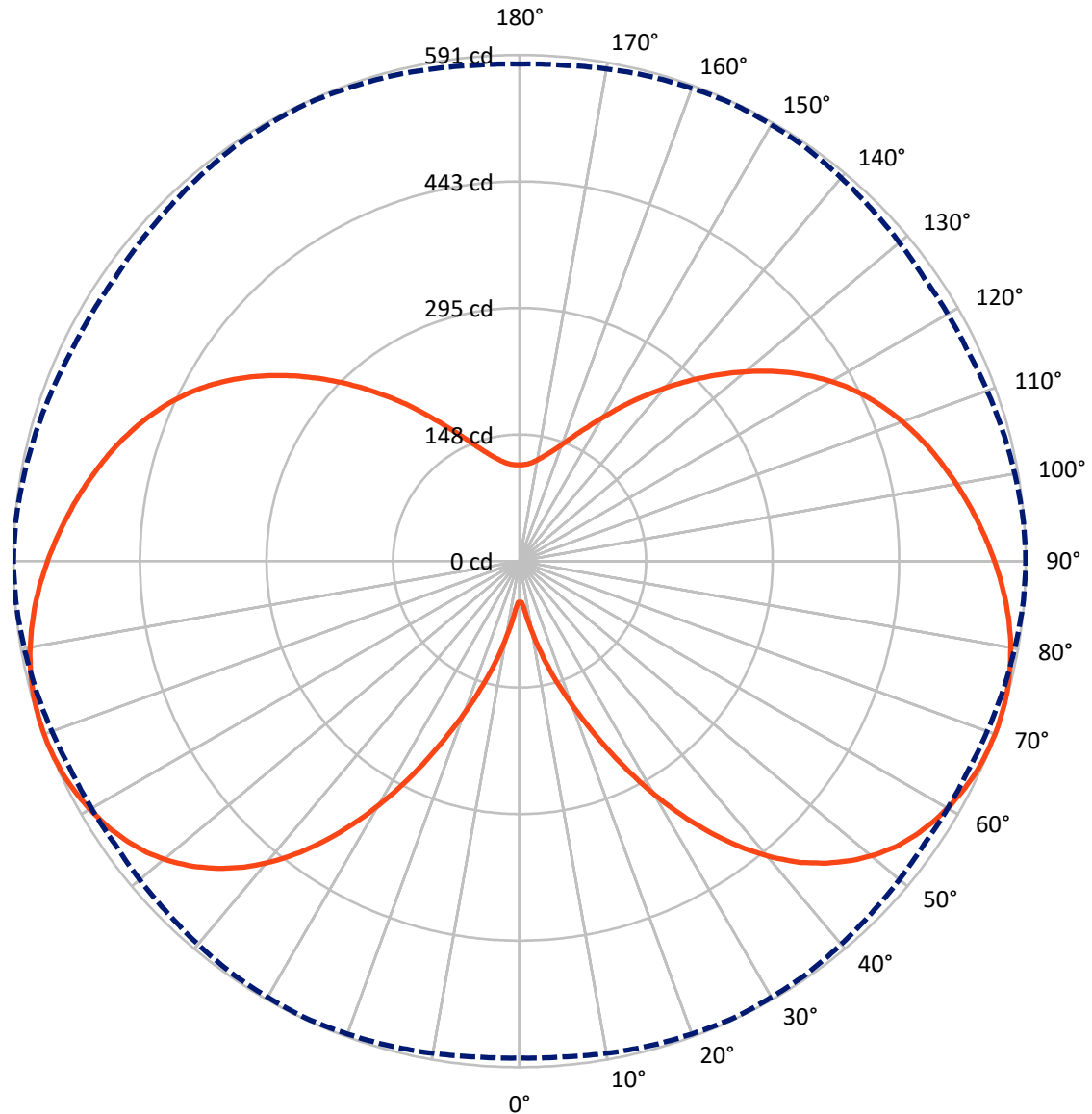
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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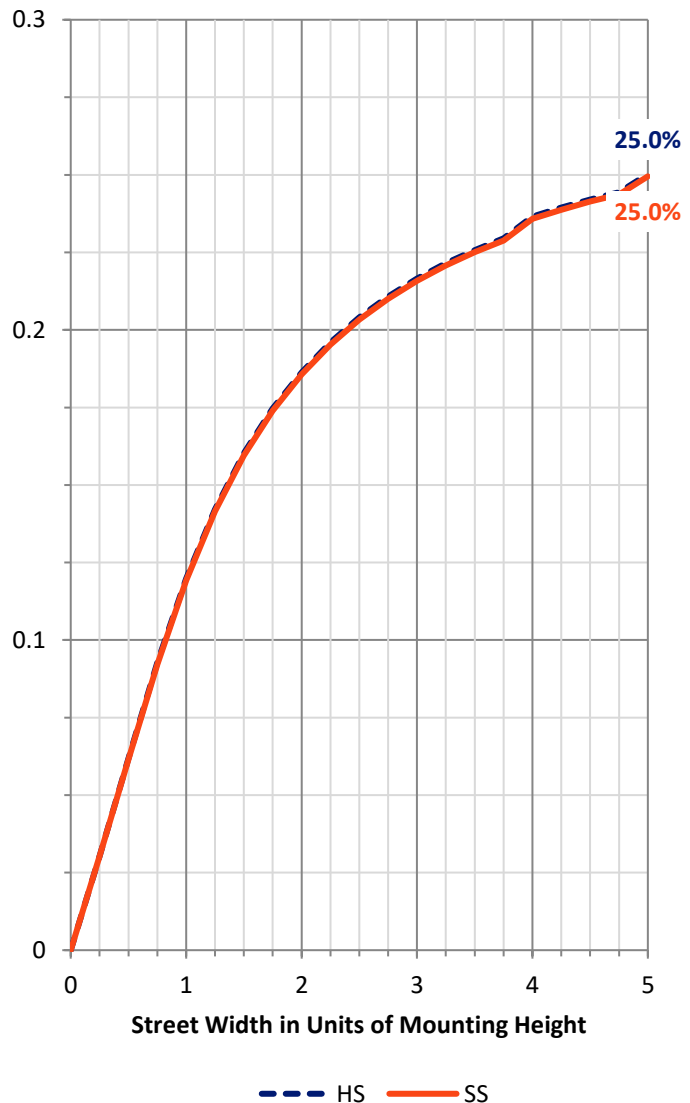
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1544.9	1182.8	2727.7
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	1544.9	1182.8	2727.7
	% Fixture	28.3	21.7	50.0
Total	Lumens	3089.8	2365.5	5455.4
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	39.1	0.7
20°-30°	116.5	2.1
30°-40°	243.7	4.5
40°-50°	382.4	7.0
50°-60°	496.4	9.1
60°-70°	574.6	10.5
70°-80°	615.1	11.3
80°-90°	615.6	11.3
90°-100°	580.6	10.6
100°-110°	519.5	9.5
110°-120°	436.8	8.0
120°-130°	335.0	6.1
130°-140°	229.2	4.2
140°-150°	139.9	2.6
150°-160°	76.5	1.4
160°-170°	37.1	0.7
170°-180°	11.0	0.2
0°-90°	3089.8	56.6
0°-180°	5455.4	100.0

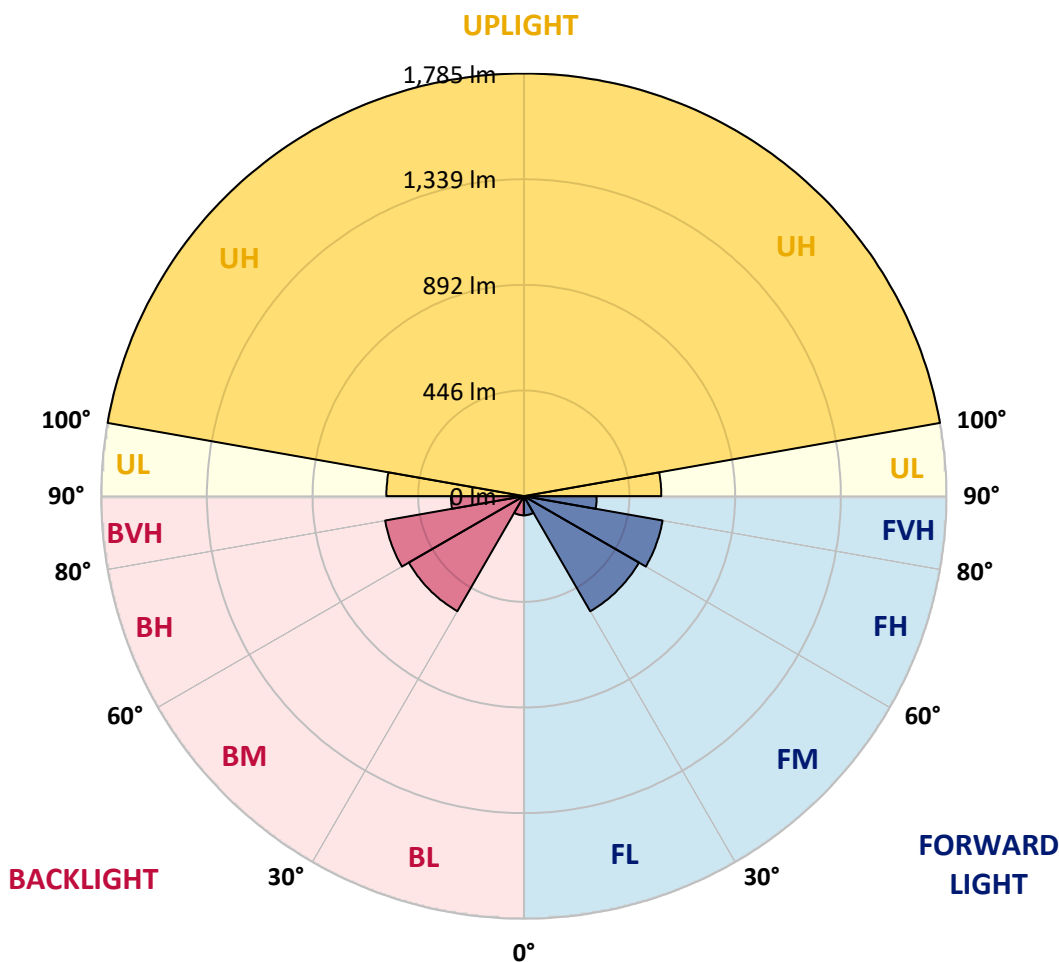


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.0	1.5			
FM (30°-60°)	561.2	10.3			
FH (60°-80°)	594.9	10.9			G0/660
FVH (80°-90°)	307.8	5.6			G3/500
BL (0°-30°)	81.0	1.5	B0/110		
BM (30°-60°)	561.2	10.3	B1/1000		
BH (60°-80°)	594.9	10.9	B2/1000		G0/660
BVH (80°-90°)	307.8	5.6			G3/500
UL (90°-100°)	580.6	10.6		U4/1000	
UH (100°-180°)	1785.0	32.7		U5	

BUG Rating: B2-U5-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
2.5°	50.0	50.0	49.6	49.6	49.3	48.9	48.9	48.9	48.6	48.6	48.2
5°	57.0	56.6	56.6	56.3	56.6	56.3	56.3	56.3	56.3	55.6	55.6
7.5°	70.6	70.3	70.3	69.9	70.6	69.9	69.9	70.3	70.3	69.9	69.9
10°	88.5	88.1	88.1	87.4	88.1	87.8	87.8	87.1	87.4	87.1	87.4
12.5°	109.8	108.7	108.7	108.4	109.1	108.7	108.4	107.7	108.4	108.0	108.0
15°	131.8	132.2	131.8	131.5	132.2	132.2	131.8	131.1	131.8	131.1	131.5
17.5°	156.3	156.3	156.3	155.2	156.3	156.6	156.3	155.6	155.9	156.3	156.3
20°	182.9	182.9	183.2	182.5	184.3	183.2	182.9	182.5	182.9	183.2	183.6
22.5°	212.2	212.2	212.6	212.2	213.3	213.3	212.9	212.9	213.3	214.0	214.0
25°	244.7	245.1	245.1	244.0	246.5	247.2	246.5	246.5	247.2	248.2	248.2
27.5°	278.3	279.7	279.0	279.0	282.1	282.5	282.1	282.5	283.5	284.6	284.9
30°	312.9	314.0	315.4	314.3	317.8	318.2	318.5	318.9	320.3	322.0	322.0
32.5°	347.5	348.6	349.3	349.3	353.8	353.5	353.1	354.5	356.6	357.3	358.4
35°	382.1	382.1	382.8	383.2	387.7	387.4	388.1	389.1	391.2	392.6	393.3
37.5°	413.3	412.6	414.3	415.0	418.5	418.9	419.2	420.9	423.4	425.1	425.8
40°	441.6	440.9	443.0	444.0	447.2	447.2	447.9	450.0	452.8	454.5	454.9
42.5°	466.8	466.4	468.5	469.9	473.0	472.7	472.3	475.1	478.3	480.4	481.1
45°	488.4	488.1	490.9	492.6	495.1	494.4	494.4	496.8	500.3	502.8	503.1
47.5°	507.0	507.0	510.1	512.2	514.3	513.3	512.6	515.0	518.5	522.0	522.3
50°	523.4	523.0	526.5	529.0	530.7	529.3	528.3	530.7	534.6	538.1	538.8
52.5°	536.3	537.0	540.5	543.7	545.1	543.0	541.2	543.7	547.9	551.7	552.4
55°	547.5	547.9	551.7	555.6	556.3	553.5	551.4	553.5	558.0	562.2	562.9
57.5°	556.3	557.0	561.5	565.0	565.3	562.2	559.8	561.5	566.4	570.6	571.6
60°	563.9	564.6	568.8	572.7	573.0	569.2	566.0	567.4	572.7	577.6	578.3
62.5°	569.9	570.9	575.5	579.0	579.0	574.4	570.6	572.0	577.6	582.8	583.5
65°	574.8	575.8	580.4	583.9	583.5	578.3	574.1	575.5	581.4	586.7	587.7
67.5°	578.3	579.0	583.9	587.4	586.0	580.4	576.2	577.2	583.5	588.8	589.8
70°	580.4	581.1	586.0	589.1	587.0	581.1	576.5	577.9	584.2	589.8	590.9
72.5°	581.4	582.5	587.0	589.8	587.4	580.7	575.8	577.6	583.9	589.8	590.5
75°	581.1	581.8	586.3	588.8	585.6	579.3	574.1	575.8	582.5	587.7	588.8
77.5°	579.3	580.0	584.2	586.3	582.5	576.2	571.3	573.0	579.3	584.6	585.6
80°	576.5	577.2	581.1	582.5	578.6	572.3	567.8	569.5	575.5	580.4	581.4
82.5°	572.0	573.0	576.5	577.2	573.0	567.4	562.9	564.6	570.2	574.8	575.5
85°	566.4	567.1	570.2	570.6	566.4	561.5	557.7	559.4	564.3	567.8	568.8
87.5°	560.1	560.1	563.2	563.2	558.7	554.2	551.4	552.8	557.3	560.1	561.1
90°	552.4	552.8	554.9	554.5	550.3	546.5	544.0	545.8	549.6	552.1	552.8
92.5°	544.0	544.4	546.1	545.4	541.2	538.1	536.0	538.1	541.6	543.3	544.0
95°	534.9	535.3	536.7	535.3	531.4	529.0	527.2	529.7	532.5	534.2	534.9
97.5°	525.5	525.8	526.9	525.5	521.3	519.2	518.5	520.6	523.4	524.8	525.5
100°	515.7	515.7	516.4	514.3	510.8	509.1	508.7	511.2	514.0	515.3	516.0
102.5°	504.9	505.2	505.2	503.1	499.6	498.6	498.6	501.4	504.2	505.2	505.9
105°	493.7	493.7	493.7	491.9	488.1	487.4	487.7	490.5	493.7	495.1	495.8
107.5°	481.4	481.8	481.1	479.3	476.2	475.5	476.2	480.0	482.8	484.2	484.9
110°	468.5	468.8	468.5	466.4	463.6	463.3	464.3	468.1	470.9	472.3	473.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	454.9	455.2	454.9	453.1	450.3	450.3	451.7	455.6	458.7	459.8	460.8
115°	440.5	440.9	440.2	438.8	436.0	436.7	438.1	441.9	445.1	446.1	447.5
117.5°	425.1	425.5	425.1	423.4	420.9	421.6	423.7	427.6	430.4	431.4	432.8
120°	408.4	408.4	408.4	406.6	404.2	405.6	407.7	411.9	414.3	415.0	416.4
122.5°	391.2	390.5	390.5	389.5	386.7	388.4	390.5	394.7	397.2	397.5	398.6
125°	372.4	372.7	371.7	371.0	368.5	370.6	372.4	376.5	378.6	379.0	380.0
127.5°	352.1	353.1	352.1	351.0	349.3	351.4	353.5	357.3	359.1	359.4	360.1
130°	333.2	333.2	332.1	331.4	329.7	331.8	333.9	337.4	339.1	339.1	339.8
132.5°	314.3	313.3	312.9	312.2	310.1	312.6	314.0	317.5	318.9	318.5	319.2
135°	293.7	293.7	292.6	292.3	290.5	293.0	294.4	297.5	298.6	298.2	298.9
137.5°	274.5	274.5	273.8	273.1	272.0	274.1	275.5	278.0	279.0	278.0	279.0
140°	255.6	255.6	255.2	254.5	253.5	255.6	256.6	258.7	259.8	258.7	259.4
142.5°	238.1	237.4	237.0	236.7	235.3	237.4	238.1	240.2	240.5	239.8	240.9
145°	219.6	219.9	219.6	219.2	218.2	219.9	220.6	222.4	222.7	222.0	223.1
147.5°	204.2	203.1	203.5	203.1	202.1	203.8	204.2	205.2	205.9	205.2	205.9
150°	188.8	188.1	188.1	187.7	187.0	188.4	188.8	189.8	190.2	189.5	190.2
152.5°	175.2	174.8	174.8	174.5	173.8	174.8	175.2	175.9	176.2	175.5	175.9
155°	162.9	162.6	162.6	162.2	161.5	162.6	162.6	163.3	163.6	163.3	163.6
157.5°	152.1	151.7	151.7	151.7	151.0	151.7	151.7	152.4	152.4	152.1	152.4
160°	143.3	142.6	143.0	142.6	141.9	142.6	142.6	143.0	143.0	143.0	143.0
162.5°	135.3	135.3	135.3	135.0	134.6	135.0	135.0	135.3	135.3	135.3	135.0
165°	129.0	129.0	129.0	128.7	128.3	128.7	128.7	128.7	128.7	128.7	128.7
167.5°	123.8	123.4	123.8	123.4	123.1	123.4	123.4	123.4	123.4	123.4	123.4
170°	119.2	119.2	119.2	119.2	118.9	119.2	119.2	119.2	119.2	119.2	119.2
172.5°	116.4	116.1	116.1	116.1	115.7	116.1	115.7	116.1	115.7	116.1	115.7
175°	114.0	114.0	114.0	114.0	113.6	113.6	113.6	113.6	113.6	113.6	113.6
177.5°	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
180°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-2

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 07/12/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Streetworks
 Catalog Number: **FFX-CLB-100-722-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2211
 CIE u': 0.2892
 CIE v': 0.5376
 Duv: 0.0011
 CIE x: 0.5069
 CIE y: 0.4188
 CIE z: 0.0743
 Peak Wavelength (nm): 606
 Dominant Wavelength (nm): 586
 Purity: 77.8805
 Rf: 76.1
 Rg: 94.3

CRI (Ra):	71.4		
R1:	68.2	R9:	-29.2
R2:	85.0	R10:	67.8
R3:	94.0	R11:	60.7
R4:	65.1	R12:	59.0
R5:	66.6	R13:	71.3
R6:	81.8	R14:	97.6
R7:	73.4	R15:	58.9
R8:	37.3		



Test Conditions

Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-2

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



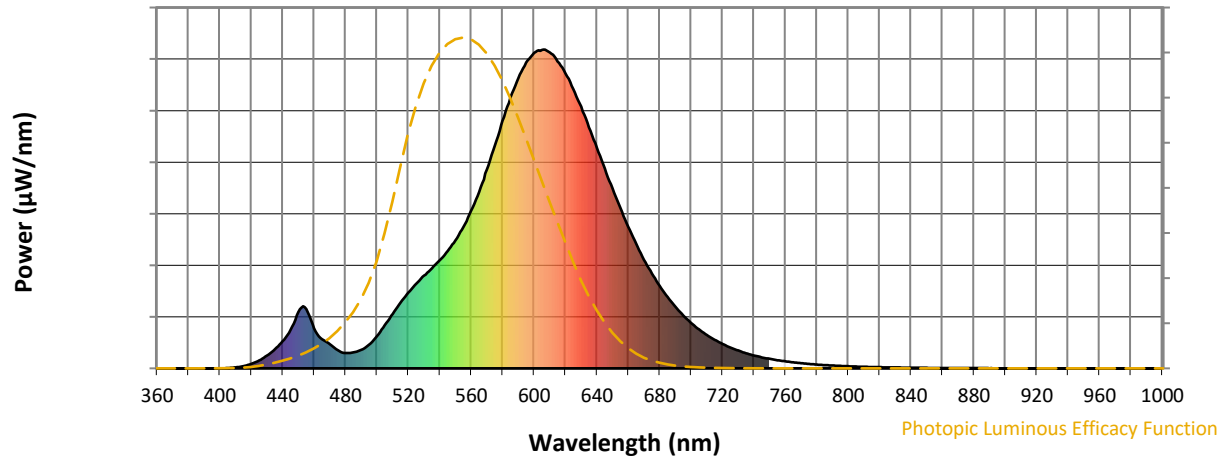
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

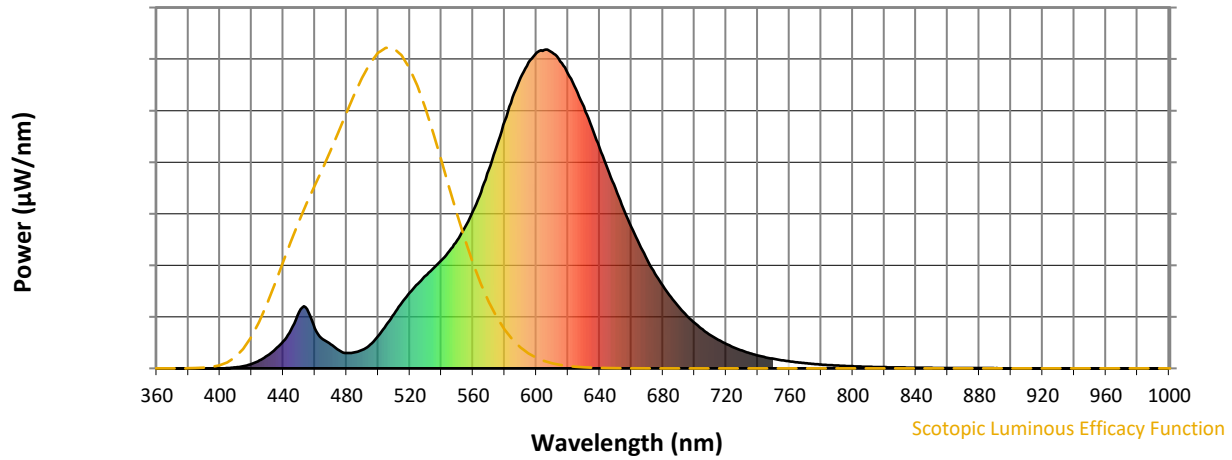


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 0.87

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.42

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Summary

$R_f = 76.1$
 $R_g = 94.3$
 CIE $R_a = 71.4$
 $R_9 = -29.2$



Color Vector Graphics

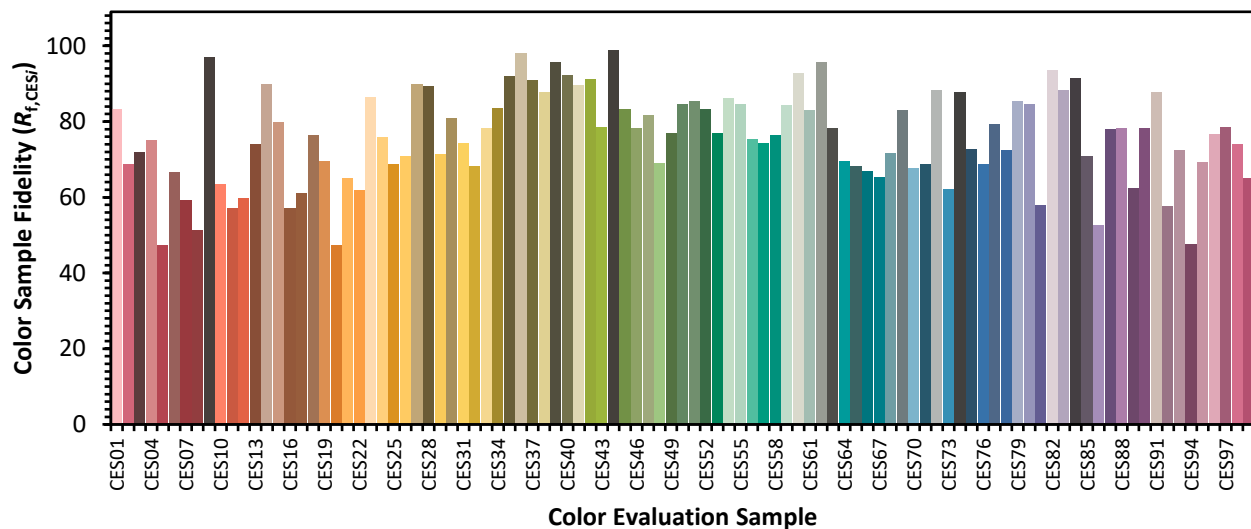


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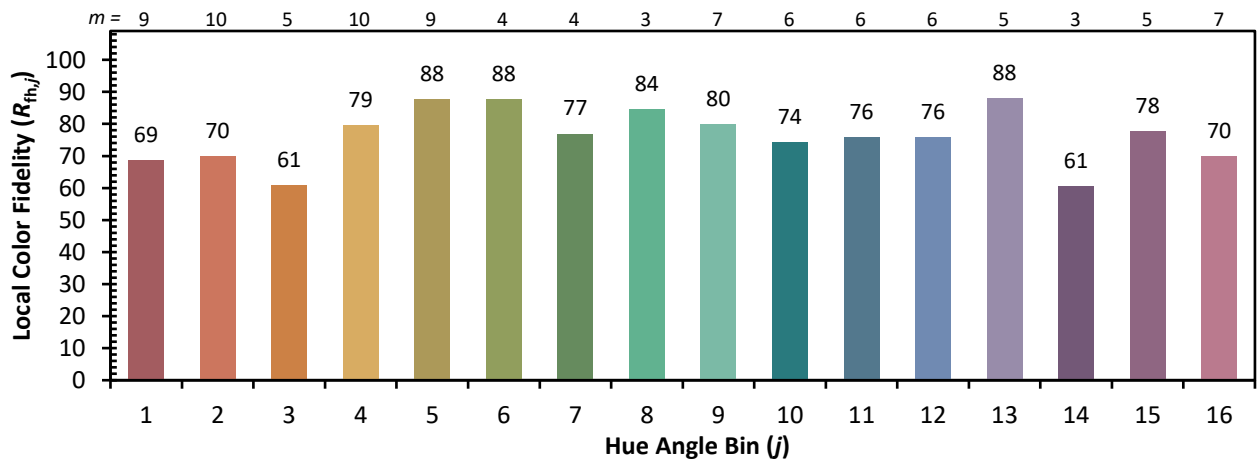
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 93
CES08 = 42	CES33 = 78	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 84	CES59 = 84	CES84 = 92
CES10 = 79	CES35 = 92	CES60 = 93	CES85 = 71
CES11 = 62	CES36 = 98	CES61 = 83	CES86 = 53
CES12 = 68	CES37 = 91	CES62 = 96	CES87 = 78
CES13 = 45	CES38 = 88	CES63 = 78	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 69	CES89 = 63
CES15 = 72	CES40 = 92	CES65 = 68	CES90 = 78
CES16 = 49	CES41 = 90	CES66 = 67	CES91 = 88
CES17 = 51	CES42 = 91	CES67 = 65	CES92 = 58
CES18 = 57	CES43 = 79	CES68 = 72	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 68	CES45 = 83	CES70 = 68	CES95 = 69
CES21 = 88	CES46 = 78	CES71 = 69	CES96 = 77
CES22 = 81	CES47 = 82	CES72 = 88	CES97 = 79
CES23 = 92	CES48 = 69	CES73 = 62	CES98 = 74
CES24 = 92	CES49 = 77	CES74 = 88	CES99 = 65
CES25 = 74	CES50 = 85	CES75 = 73	



Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)