

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: P856244

Luminaire Tested: **FFX-CLB-20-722-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856244
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-20-722-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

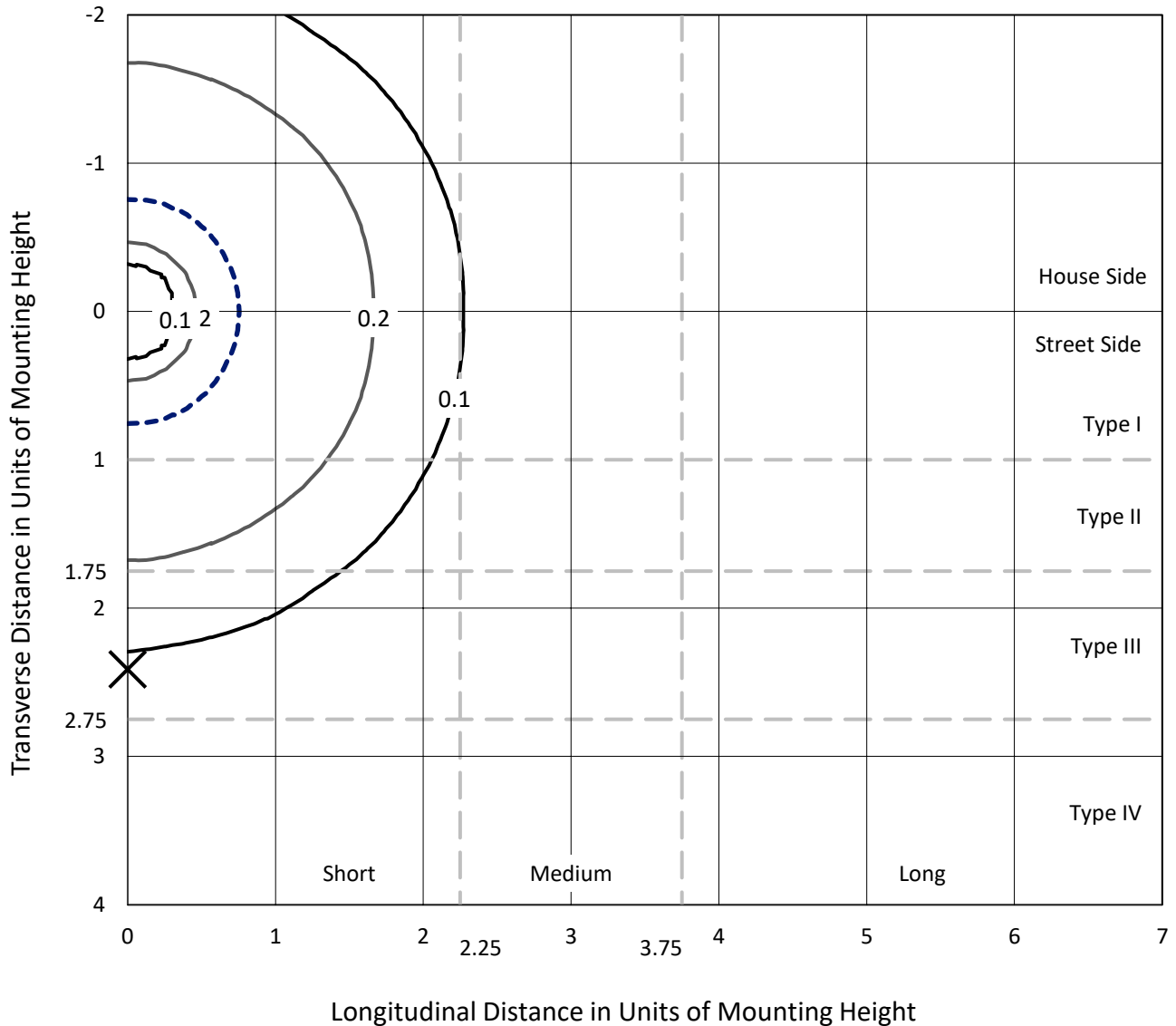
Lumens per Lamp: N/A
Luminaire Lumens: 2791 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B1 - U4 - G2

Input Watts (W): 19.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 9.8%%
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

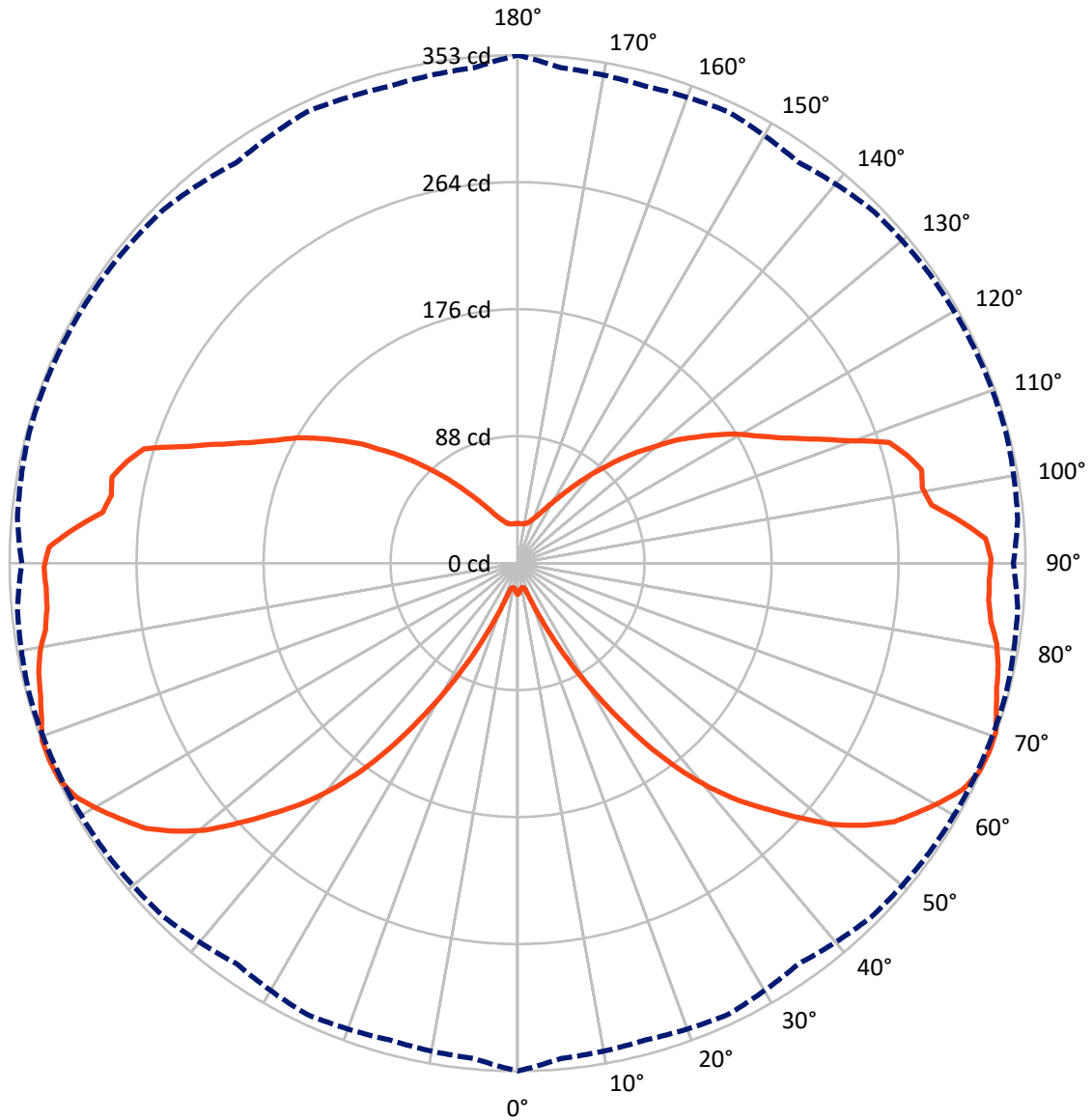
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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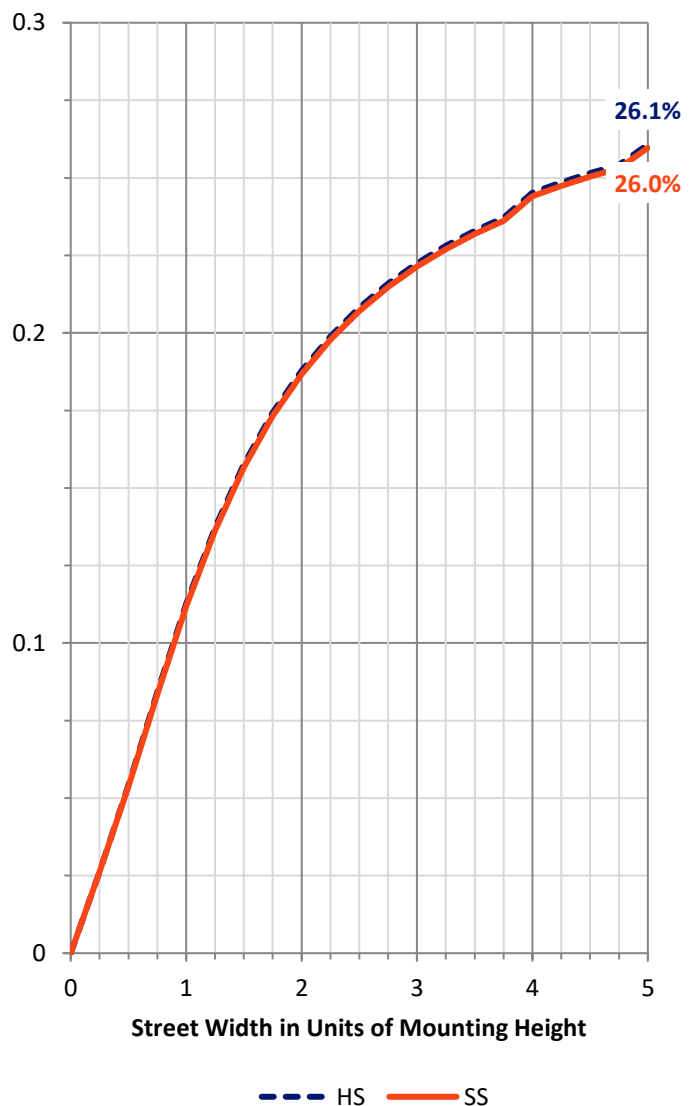
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	832.6	562.9	1395.5
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	832.6	562.9	1395.5
	% Fixture	29.8	20.2	50.0
Total	Lumens	1665.3	1125.8	2791.0
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	6.0	0.2
20°-30°	29.8	1.1
30°-40°	97.9	3.5
40°-50°	189.4	6.8
50°-60°	280.3	10.0
60°-70°	340.8	12.2
70°-80°	359.8	12.9
80°-90°	359.5	12.9
90°-100°	336.3	12.0
100°-110°	299.2	10.7
110°-120°	204.6	7.3
120°-130°	137.4	4.9
130°-140°	79.8	2.9
140°-150°	39.3	1.4
150°-160°	18.2	0.7
160°-170°	8.4	0.3
170°-180°	2.6	0.1
0°-90°	1665.3	59.7
0°-180°	2791.0	100.0



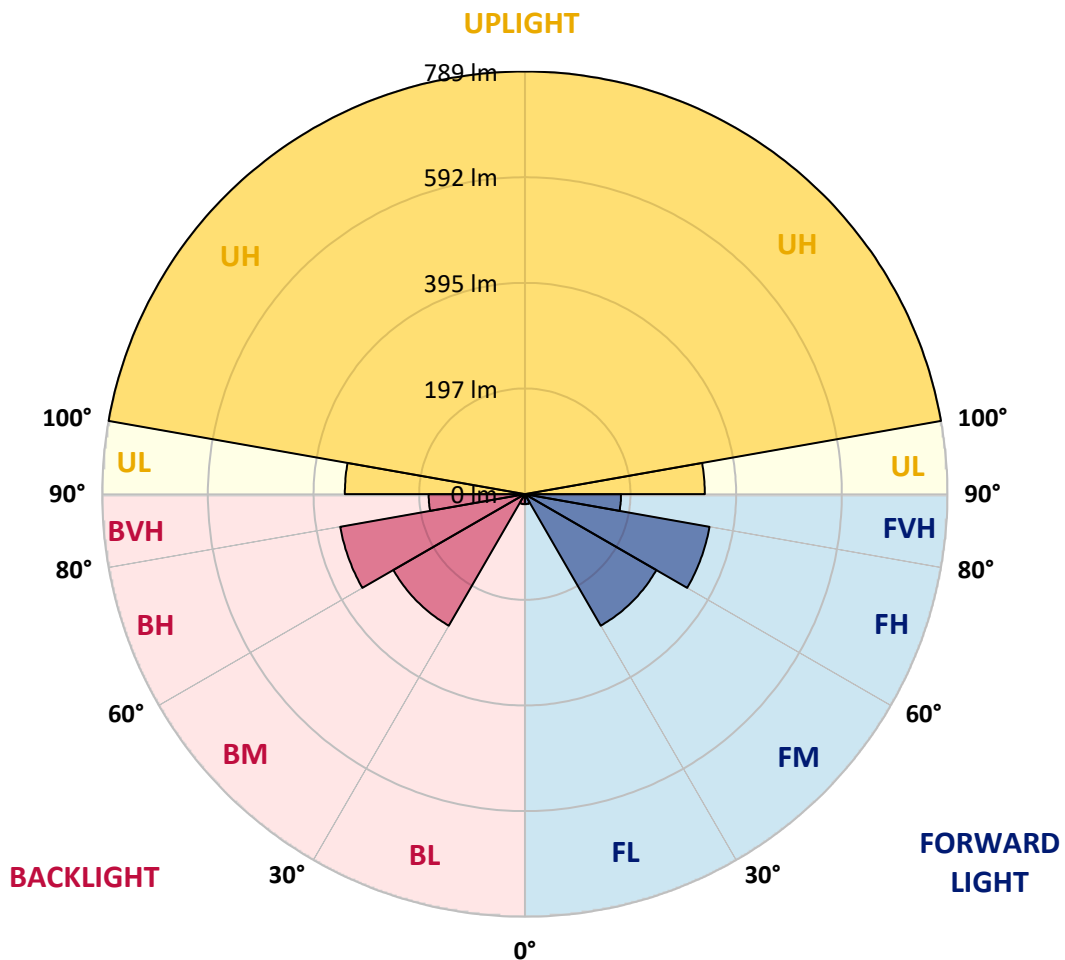
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18.8	0.7			
FM (30°-60°)	283.8	10.2			
FH (60°-80°)	350.3	12.5			G0/660
FVH (80°-90°)	179.7	6.4			G2/225
BL (0°-30°)	18.8	0.7	B0/110		
BM (30°-60°)	283.8	10.2	B1/1000		
BH (60°-80°)	350.3	12.5	B1/500		G0/660
BVH (80°-90°)	179.7	6.4			G2/225
UL (90°-100°)	336.3	12.0		U3/500	
UH (100°-180°)	789.5	28.3		U4/1000	

BUG Rating: B1-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
2.5°	20.8	20.6	20.4	20.2	20.4	20.6	21.0	21.1	21.1	21.1	21.1
5°	18.8	19.0	19.2	19.4	19.4	19.4	19.4	19.5	19.7	19.7	19.7
7.5°	17.8	17.8	18.0	18.5	18.7	18.5	18.5	18.7	18.1	17.6	17.4
10°	17.3	17.3	17.4	17.6	17.8	18.1	18.3	18.3	18.3	18.3	18.1
12.5°	17.4	17.3	17.4	17.6	18.0	18.1	17.8	17.8	18.1	18.5	18.7
15°	18.3	18.1	18.1	18.5	18.7	18.7	18.3	18.3	18.5	18.8	18.8
17.5°	22.2	21.8	21.7	21.8	21.7	21.8	21.7	22.0	22.0	21.8	21.7
20°	30.3	29.9	29.4	29.2	29.4	29.9	30.1	30.6	30.1	29.9	29.2
22.5°	43.0	42.4	42.1	42.1	42.6	43.0	42.8	43.5	43.1	43.0	42.3
25°	59.2	58.8	59.0	59.9	60.7	60.2	58.8	59.9	59.9	59.7	59.5
27.5°	79.4	78.2	78.7	81.0	81.7	80.3	78.7	79.9	80.5	80.6	80.6
30°	102.5	101.6	101.4	103.9	104.8	103.5	102.5	103.9	103.9	104.4	104.4
32.5°	127.5	126.9	126.1	127.5	128.9	128.5	128.5	129.6	129.2	129.8	129.9
35°	154.9	153.9	152.1	152.3	153.9	154.0	155.3	156.0	155.6	155.5	155.5
37.5°	180.8	179.4	177.8	176.9	178.9	178.7	181.5	181.5	180.8	181.0	181.0
40°	204.2	203.3	202.1	199.6	203.3	202.6	206.0	206.0	204.0	204.6	204.2
42.5°	225.2	225.2	223.8	220.1	223.9	223.2	227.6	227.6	225.0	224.8	224.3
45°	244.0	244.9	244.2	240.8	242.3	242.8	247.0	246.1	244.0	244.0	243.1
47.5°	264.3	265.1	262.7	259.2	260.7	261.6	265.5	265.1	263.9	262.3	262.3
50°	285.4	285.6	280.6	276.4	277.8	282.4	285.2	285.9	283.3	279.6	279.4
52.5°	302.1	303.2	298.4	293.8	294.9	300.2	303.3	303.5	300.2	294.9	296.5
55°	316.9	318.0	313.2	309.2	311.3	314.1	317.8	315.7	315.8	310.2	312.8
57.5°	326.9	330.5	322.5	321.7	323.6	326.9	328.5	328.0	329.0	323.8	324.6
60°	337.0	338.6	331.9	333.1	330.8	336.8	338.0	339.3	336.4	332.7	332.7
62.5°	346.5	342.6	337.8	340.8	334.7	342.2	343.7	345.1	342.1	338.6	339.3
65°	351.4	344.4	340.3	344.0	338.0	344.9	347.2	347.7	347.2	343.8	342.2
67.5°	352.5	345.1	342.6	345.6	339.6	347.2	349.3	350.3	350.9	348.4	344.0
70°	352.1	344.2	342.1	344.9	341.0	348.1	348.2	349.8	350.5	351.6	346.7
72.5°	347.4	340.5	340.0	342.4	338.9	343.5	343.7	345.6	344.5	347.9	345.4
75°	343.5	338.9	339.8	339.3	335.7	338.4	339.1	341.4	337.5	340.7	342.8
77.5°	341.0	338.6	340.7	337.8	334.2	335.9	337.0	339.6	333.8	336.4	342.6
80°	337.1	336.4	339.1	334.9	331.7	333.3	335.0	337.3	331.0	332.7	341.5
82.5°	330.8	331.3	333.8	328.9	326.8	328.5	330.6	334.2	327.6	328.7	338.0
85°	328.0	330.3	331.5	326.6	324.1	325.2	327.5	331.2	324.3	325.9	335.4
87.5°	327.6	330.5	331.3	327.1	325.0	326.6	327.6	332.9	325.5	327.5	337.1
90°	328.7	329.7	330.3	326.6	324.8	327.3	327.5	334.0	326.6	327.1	335.7
92.5°	325.2	325.3	326.4	323.1	322.9	324.6	324.3	329.7	321.7	320.4	327.8
95°	308.1	306.7	309.0	307.2	310.9	313.6	316.5	323.4	319.4	320.4	326.8
97.5°	290.0	290.3	291.0	288.2	287.7	288.7	290.0	293.5	292.2	293.3	299.3
100°	285.7	287.0	286.8	285.4	279.6	278.3	275.7	272.0	267.1	267.8	268.7
102.5°	287.8	291.2	291.7	293.7	293.7	292.8	294.7	293.1	294.0	299.1	296.3
105°	280.3	284.2	286.6	288.7	292.8	296.1	305.1	310.6	315.0	321.1	320.2
107.5°	271.1	273.1	274.8	274.8	273.8	273.2	278.2	279.0	277.8	279.4	279.6
110°	242.6	242.4	244.2	243.5	244.0	241.2	242.6	247.4	246.3	249.5	250.0



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 CATALOG NUMBER: FFX-CLB-20-722-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	220.4	220.4	221.7	219.9	220.1	217.8	218.7	221.8	222.0	224.6	226.1
115°	201.8	201.4	203.2	201.8	200.2	199.6	200.5	202.5	203.0	204.8	207.6
117.5°	187.8	186.1	187.5	187.7	188.4	187.0	189.1	190.3	191.0	192.4	194.7
120°	176.4	174.6	175.2	176.9	179.0	176.1	178.3	179.4	179.9	180.5	181.5
122.5°	163.4	162.1	161.6	165.1	166.4	163.7	165.0	166.5	167.4	168.3	169.2
125°	150.2	149.1	148.6	151.8	153.0	150.9	152.6	154.9	154.6	156.5	154.8
127.5°	138.2	137.9	137.1	138.7	139.6	139.4	141.0	143.8	142.6	144.4	142.4
130°	123.9	125.4	124.3	126.2	126.4	127.8	128.3	131.0	129.8	130.1	128.9
132.5°	112.3	112.9	112.3	113.0	113.6	113.6	115.0	117.8	115.8	115.7	114.6
135°	100.5	100.7	100.0	101.1	101.4	100.5	101.9	104.0	103.0	102.5	102.5
137.5°	88.9	88.7	88.9	89.3	89.6	89.4	90.1	91.7	91.4	90.7	91.5
140°	79.0	78.5	78.7	78.9	78.7	78.7	79.4	80.8	80.8	79.9	80.8
142.5°	69.2	69.0	69.0	69.0	69.0	69.4	70.1	70.4	70.8	70.1	69.9
145°	60.9	60.7	60.6	60.6	60.6	60.7	61.4	61.3	62.0	61.3	60.7
147.5°	53.5	53.7	53.3	53.2	53.0	53.5	53.7	54.0	54.4	54.0	53.5
150°	47.5	47.4	47.4	47.0	47.0	47.5	47.4	47.7	48.1	47.9	47.7
152.5°	42.3	42.3	42.3	41.9	42.1	42.4	42.4	42.4	42.8	42.8	42.6
155°	38.0	38.0	38.0	37.9	37.9	38.2	38.2	38.2	38.4	38.4	38.4
157.5°	34.9	34.9	34.7	34.7	34.7	34.9	34.7	34.7	34.9	34.9	34.9
160°	32.4	32.4	32.2	32.2	32.0	32.2	32.0	32.0	32.2	32.2	32.2
162.5°	30.5	30.5	30.3	30.3	30.3	30.3	30.3	30.1	30.1	30.3	30.1
165°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.9	28.9	28.9
167.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
170°	27.6	27.6	27.6	27.8	27.8	27.8	27.6	27.6	27.8	27.8	27.6
172.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
175°	27.5	27.5	27.5	27.5	27.5	27.5	27.3	27.5	27.5	27.5	27.5
177.5°	27.5	27.3	27.3	27.5	27.5	27.3	27.3	27.3	27.3	27.3	27.3
180°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5

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

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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

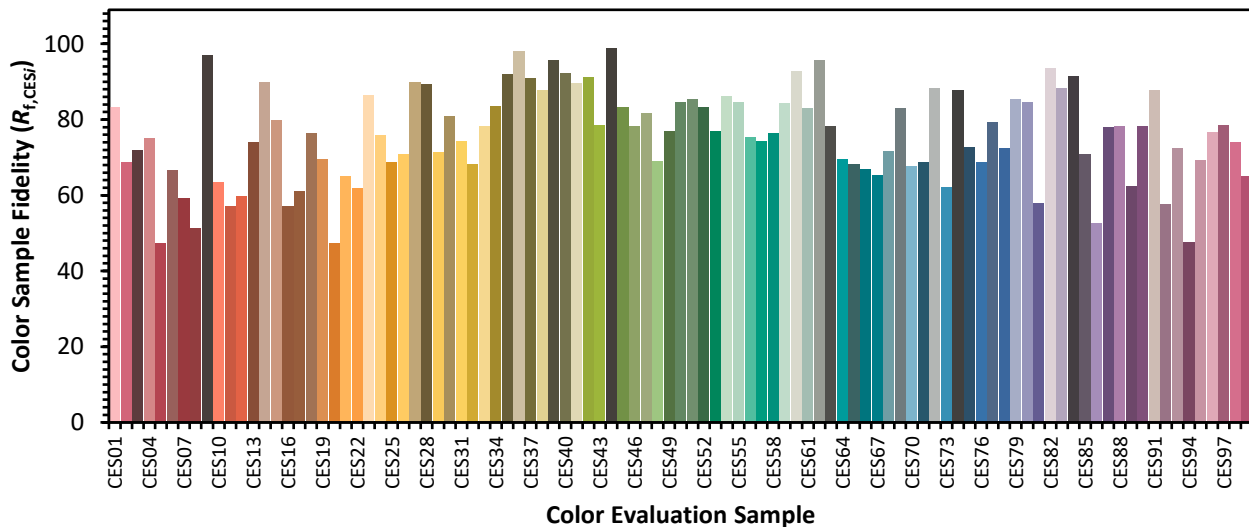


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Individual Sample Fidelity Index ($R_{f,i}$)

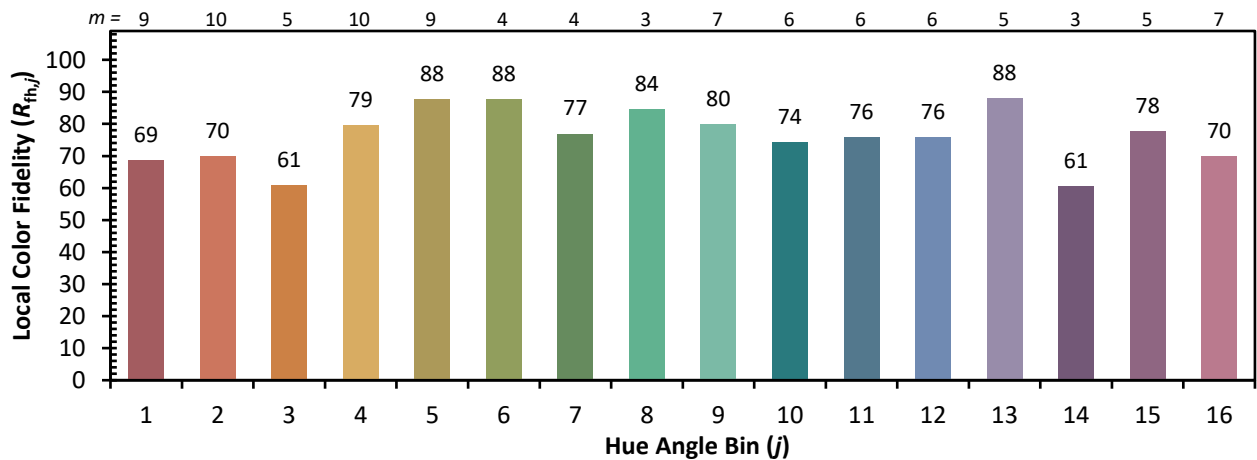
CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 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	



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)