

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: P856151

Luminaire Tested: **FFX-CLB-50-722-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856151
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-50-722-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

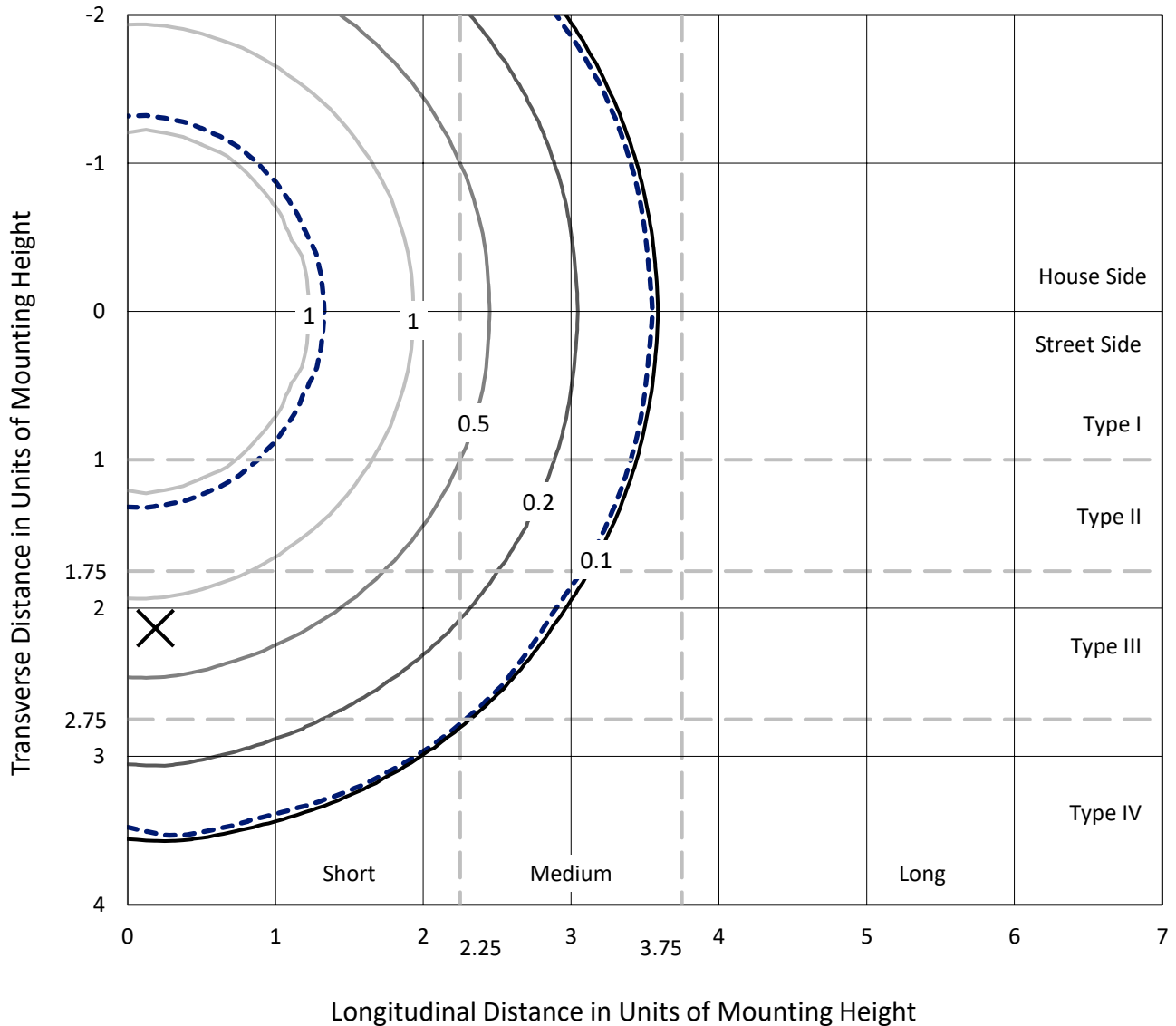
Lumens per Lamp: N/A
Luminaire Lumens: 6866.5 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G3

Input Watts (W): 50.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.0%%
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

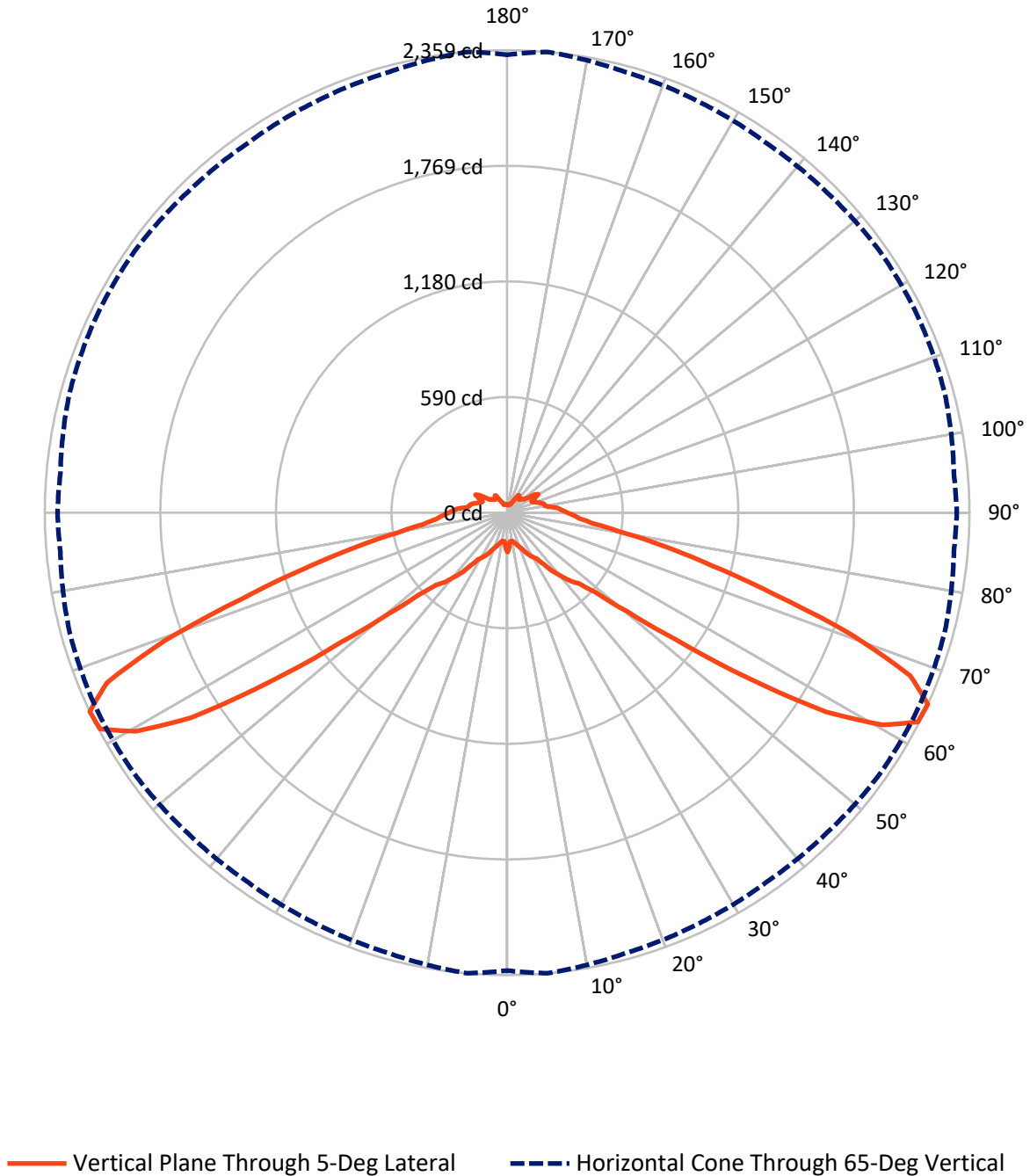
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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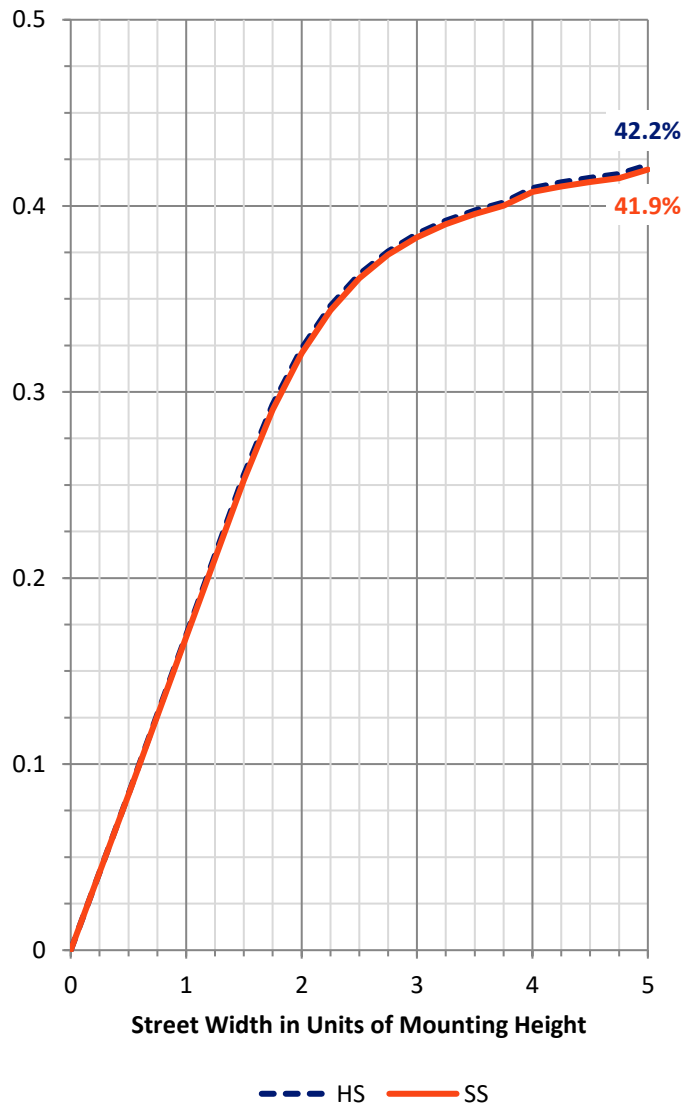
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2999.4	433.9	3433.3
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2999.4	433.9	3433.3
	% Fixture	43.7	6.3	50.0
Total	Lumens	5998.8	867.7	6866.5
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.2
10°-20°	48.2	0.7
20°-30°	104.5	1.5
30°-40°	211.7	3.1
40°-50°	426.8	6.2
50°-60°	1356.9	19.8
60°-70°	2188.3	31.9
70°-80°	1193.3	17.4
80°-90°	454.4	6.6
90°-100°	272.7	4.0
100°-110°	173.9	2.5
110°-120°	132.3	1.9
120°-130°	111.9	1.6
130°-140°	72.9	1.1
140°-150°	61.1	0.9
150°-160°	27.4	0.4
160°-170°	11.6	0.2
170°-180°	3.9	0.1
0°-90°	5998.8	87.4
0°-180°	6866.5	100.0



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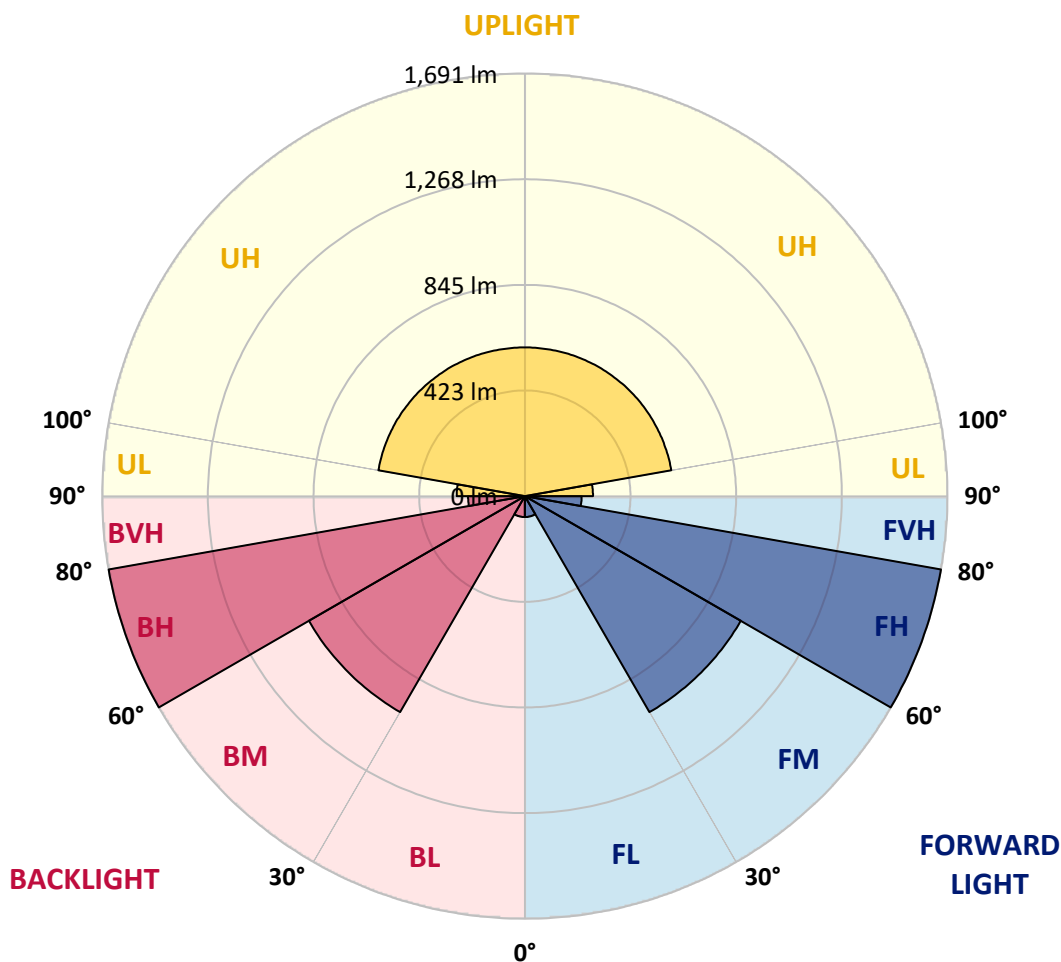
CATALOG NUMBER: FFX-CLB-50-722-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.7	1.2			
FM (30°-60°)	997.7	14.5			
FH (60°-80°)	1690.8	24.6			G1/1800
FVH (80°-90°)	227.2	3.3			G3/500
BL (0°-30°)	83.7	1.2	B0/110		
BM (30°-60°)	997.7	14.5	B1/1000		
BH (60°-80°)	1690.8	24.6	B3/2500		G1/1800
BVH (80°-90°)	227.2	3.3			G3/500
UL (90°-100°)	272.7	4.0		U3/500	
UH (100°-180°)	595.1	8.7		U4/1000	

BUG Rating: B3-U4-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5	201.5
2.5°	180.0	182.9	175.0	168.5	165.6	166.4	172.8	179.3	172.8	175.0	175.0
5°	149.2	149.9	149.9	148.4	150.6	146.3	141.3	141.3	146.3	152.0	152.0
7.5°	144.1	146.3	152.0	152.0	154.2	147.0	139.8	140.6	147.7	156.3	158.5
10°	148.4	148.4	147.0	148.4	153.5	152.7	144.9	141.3	146.3	154.9	157.8
12.5°	154.9	154.9	159.2	165.6	166.4	159.9	152.0	151.3	157.0	162.8	162.8
15°	164.2	164.9	167.1	166.4	168.5	166.4	164.2	165.6	169.2	169.2	169.2
17.5°	176.4	176.4	176.4	176.4	176.4	177.1	177.8	177.8	177.8	179.3	179.3
20°	190.0	190.0	189.3	188.6	188.6	189.3	190.0	190.0	190.0	191.5	191.5
22.5°	207.2	206.5	205.1	205.1	205.1	205.8	204.4	203.7	202.9	203.7	203.7
25°	227.3	227.3	225.9	223.7	223.7	223.0	220.9	220.1	219.4	220.9	220.1
27.5°	247.4	247.4	245.2	242.4	242.4	242.4	240.9	239.5	238.1	238.8	238.8
30°	266.0	264.6	263.9	261.7	261.0	261.7	260.3	260.3	257.4	256.7	258.2
32.5°	283.3	281.8	283.3	281.1	279.0	281.1	280.4	280.4	276.1	274.6	276.1
35°	330.6	327.0	329.9	324.8	322.0	322.7	324.1	327.0	322.7	320.5	321.3
37.5°	381.5	380.8	390.1	398.0	396.6	384.4	376.5	377.9	383.6	391.5	391.5
40°	428.8	427.4	429.5	426.7	426.7	425.2	424.5	428.1	416.6	413.8	411.6
42.5°	478.3	477.6	465.4	448.2	444.6	458.9	465.4	470.4	453.9	448.2	443.9
45°	527.1	517.0	514.9	509.1	503.4	512.7	512.0	515.6	507.7	507.0	503.4
47.5°	629.6	611.0	604.5	605.2	593.0	603.1	607.4	618.9	602.4	603.1	602.4
50°	814.6	791.0	801.7	794.5	781.6	793.8	793.1	813.9	786.7	796.7	792.4
52.5°	1103.6	1071.3	1077.8	1073.5	1060.6	1085.7	1091.4	1122.3	1069.9	1082.8	1079.2
55°	1521.7	1486.5	1500.9	1449.3	1435.6	1485.1	1503.8	1539.6	1470.0	1477.2	1473.6
57.5°	1920.4	1918.2	1942.6	1906.0	1893.9	1929.0	1911.8	1943.3	1906.0	1932.6	1924.0
60°	2192.2	2197.9	2222.3	2233.0	2211.5	2230.2	2188.6	2212.2	2200.8	2239.5	2235.9
62.5°	2333.4	2352.1	2337.7	2338.5	2314.8	2329.1	2321.2	2334.9	2332.0	2335.6	2332.0
65°	2336.3	2359.2	2327.7	2313.4	2303.3	2309.1	2322.7	2322.7	2314.1	2288.3	2294.0
67.5°	2183.6	2218.0	2182.8	2162.8	2168.5	2166.3	2175.7	2163.5	2158.5	2120.5	2121.2
70°	1807.8	1863.0	1811.4	1792.7	1807.8	1817.1	1816.4	1806.4	1798.5	1751.1	1764.8
72.5°	1372.5	1421.3	1375.4	1368.2	1382.6	1396.9	1384.7	1396.9	1384.0	1362.5	1368.9
75°	1036.2	1077.8	1077.8	1105.0	1109.3	1101.5	1067.8	1081.4	1090.0	1090.7	1097.2
77.5°	762.3	806.0	829.0	873.4	871.3	857.6	816.8	832.5	849.0	860.5	868.4
80°	542.1	575.1	608.8	640.4	644.7	633.2	608.1	617.4	627.5	635.3	639.7
82.5°	420.2	435.3	428.8	425.2	431.0	447.5	453.2	458.9	444.6	435.3	438.9
85°	366.4	367.9	379.3	387.2	389.4	389.4	383.6	387.9	391.5	400.9	400.9
87.5°	334.2	335.6	364.3	372.2	375.0	371.5	364.3	367.2	370.0	375.8	375.8
90°	296.9	301.2	329.9	336.3	339.2	333.4	331.3	333.4	329.9	332.0	332.0
92.5°	276.1	276.1	289.7	286.8	286.1	286.8	287.6	289.7	286.1	284.7	284.7
95°	252.4	256.0	252.4	255.3	254.6	251.0	249.5	251.0	248.8	248.8	250.3
97.5°	211.5	212.3	205.8	208.0	208.0	205.1	201.5	202.9	200.8	202.2	202.9
100°	197.9	195.8	185.0	183.6	182.9	180.7	178.6	178.6	177.8	177.1	177.8
102.5°	193.6	193.6	179.3	176.4	175.0	171.4	168.5	168.5	168.5	168.5	169.2
105°	177.1	182.1	171.4	169.2	167.1	162.8	158.5	157.8	159.2	157.8	159.9
107.5°	160.6	164.9	159.2	159.2	157.0	152.7	149.9	149.2	149.9	148.4	149.9
110°	151.3	153.5	147.0	147.0	145.6	142.0	141.3	140.6	140.6	138.4	139.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	139.8	139.8	134.8	133.4	133.4	131.2	130.5	129.8	129.8	129.8	130.5
115°	139.1	138.4	130.5	125.5	124.8	124.1	124.8	124.1	124.1	123.3	123.3
117.5°	170.0	162.8	136.2	124.1	124.1	124.8	127.6	125.5	120.5	120.5	119.8
120°	183.6	185.0	157.0	144.1	141.3	137.7	137.0	135.5	130.5	129.8	132.7
122.5°	162.1	169.2	152.0	147.0	144.1	139.8	137.0	136.2	136.2	132.7	137.7
125°	126.2	132.7	124.1	123.3	122.6	123.3	121.9	121.9	123.3	121.2	121.9
127.5°	108.3	111.1	107.6	107.6	106.8	106.1	104.7	105.4	104.7	105.4	106.1
130°	104.0	106.1	102.5	101.1	101.1	101.8	101.8	101.8	99.7	98.2	99.0
132.5°	103.3	102.5	96.8	93.9	93.9	99.0	101.1	101.1	96.1	92.5	92.5
135°	93.2	93.9	93.2	89.6	90.4	91.8	93.9	94.7	89.6	87.5	88.2
137.5°	89.6	91.8	92.5	91.1	91.1	89.6	88.9	89.6	88.2	88.9	88.9
140°	89.6	90.4	92.5	93.9	92.5	91.1	91.1	91.1	91.8	93.9	95.4
142.5°	91.8	92.5	91.8	91.1	93.2	96.8	99.7	99.7	97.5	96.1	96.8
145°	105.4	107.6	107.6	105.4	106.8	105.4	105.4	104.0	104.0	104.0	104.7
147.5°	100.4	99.7	101.1	103.3	101.1	100.4	100.4	101.1	102.5	103.3	104.0
150°	78.9	76.7	78.2	82.5	81.7	81.7	81.7	82.5	83.2	83.2	83.9
152.5°	62.4	62.4	63.8	63.8	64.5	64.5	63.8	63.8	63.8	64.5	64.5
155°	55.9	55.2	56.7	58.8	57.4	57.4	57.4	57.4	57.4	57.4	58.1
157.5°	48.8	48.0	48.0	48.8	48.8	48.8	48.8	49.5	49.5	48.8	49.5
160°	44.5	44.5	43.7	43.7	43.7	44.5	45.2	45.2	44.5	43.7	43.7
162.5°	42.3	42.3	40.9	40.2	40.2	40.9	42.3	42.3	40.9	40.2	40.2
165°	42.3	41.6	39.4	38.0	38.0	39.4	41.6	41.6	39.4	38.0	38.0
167.5°	41.6	41.6	40.2	38.7	38.7	40.2	40.9	41.6	40.9	39.4	38.7
170°	40.2	40.2	40.9	40.9	40.2	40.2	40.2	40.2	40.9	40.9	40.9
172.5°	41.6	40.9	41.6	42.3	42.3	41.6	40.9	40.9	41.6	42.3	42.3
175°	42.3	42.3	41.6	41.6	41.6	40.9	40.9	40.9	41.6	42.3	41.6
177.5°	38.0	38.0	37.3	38.0	38.0	38.0	37.3	38.0	38.0	38.0	38.7
180°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9

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.

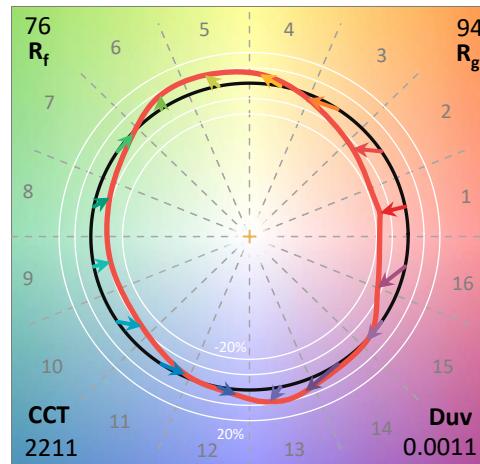
Test Information

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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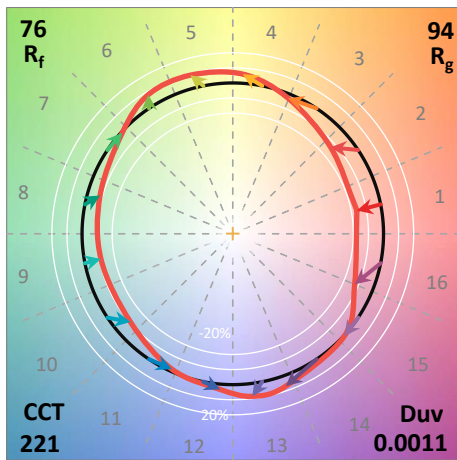
TM-30-18

Summary

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



Color Vector Graphics

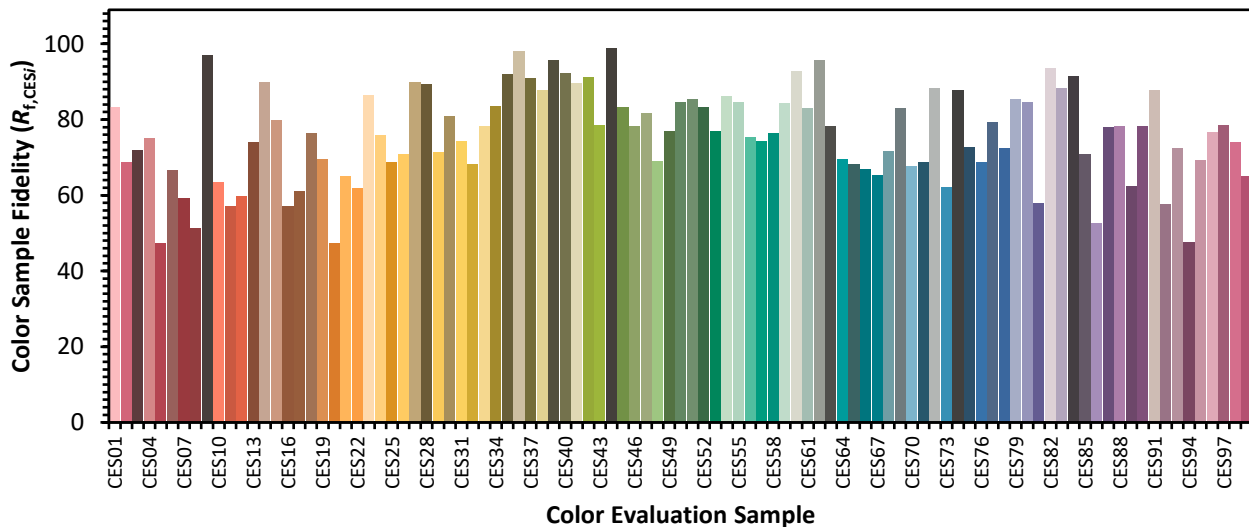


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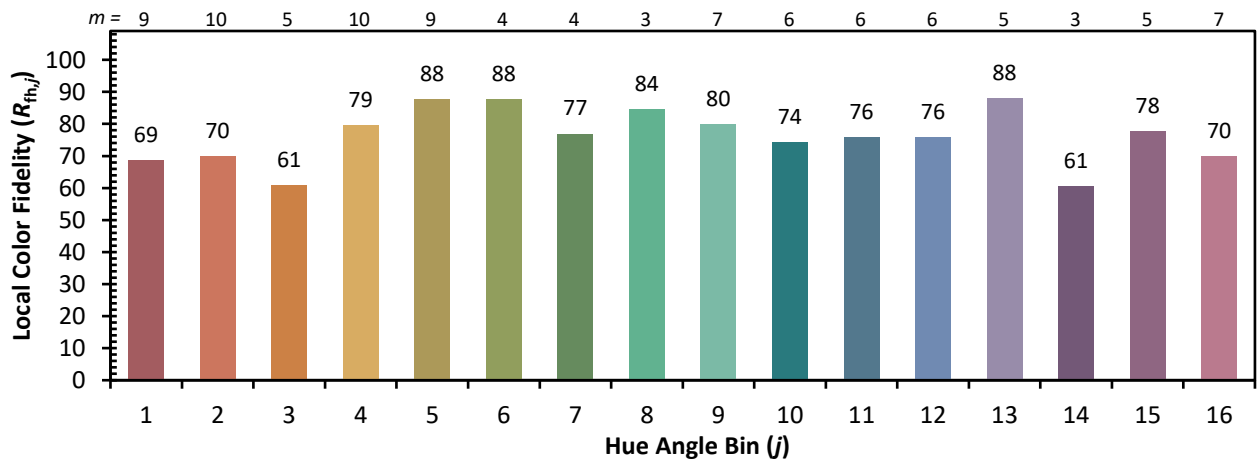
TM-30-18

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)