

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: P856372

Luminaire Tested: **FFX-CLB-90-722-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856372
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-90-722-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

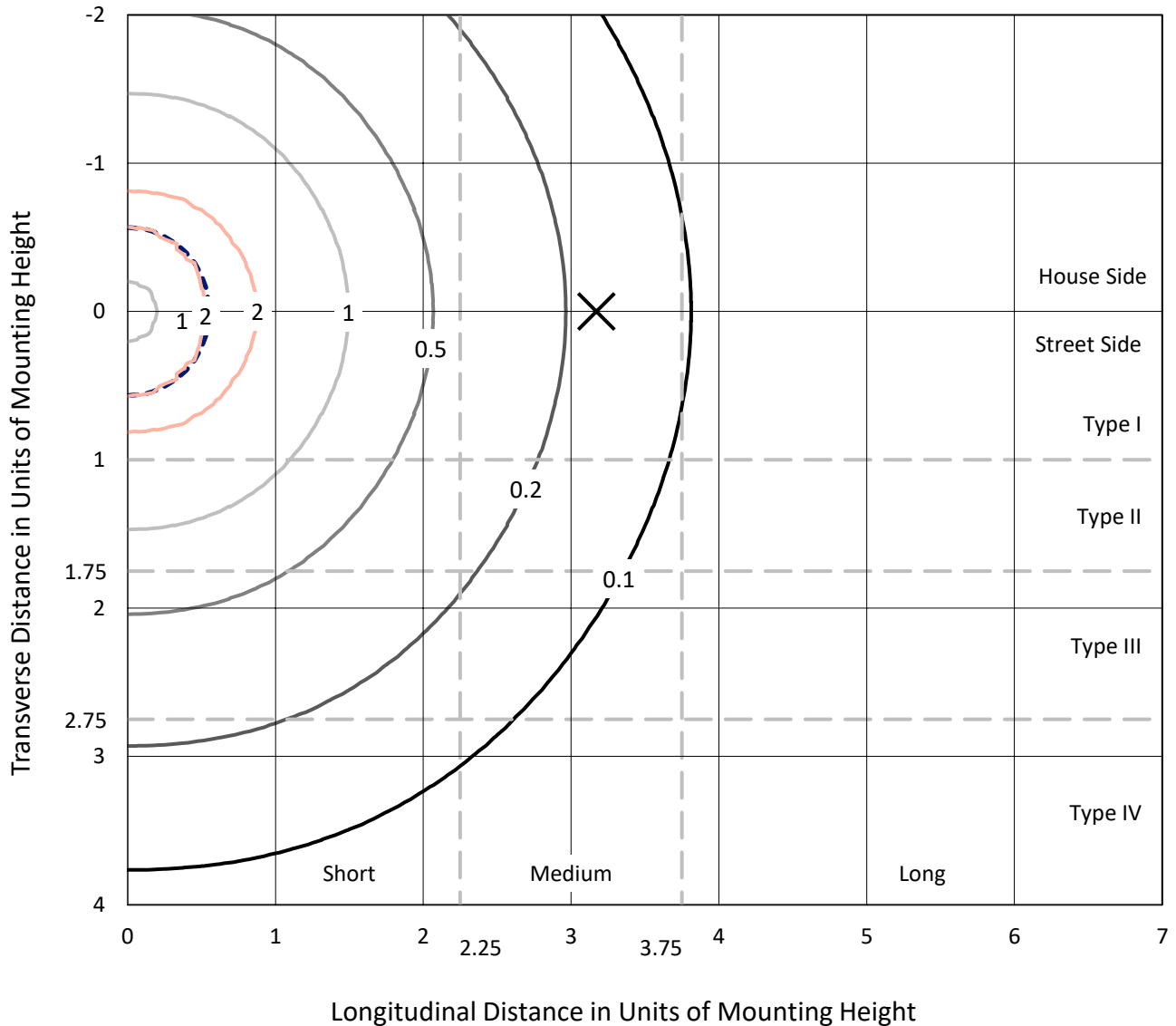
Lumens per Lamp: N/A
Luminaire Lumens: 12170.7 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

Input Watts (W): 90.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.6%%
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

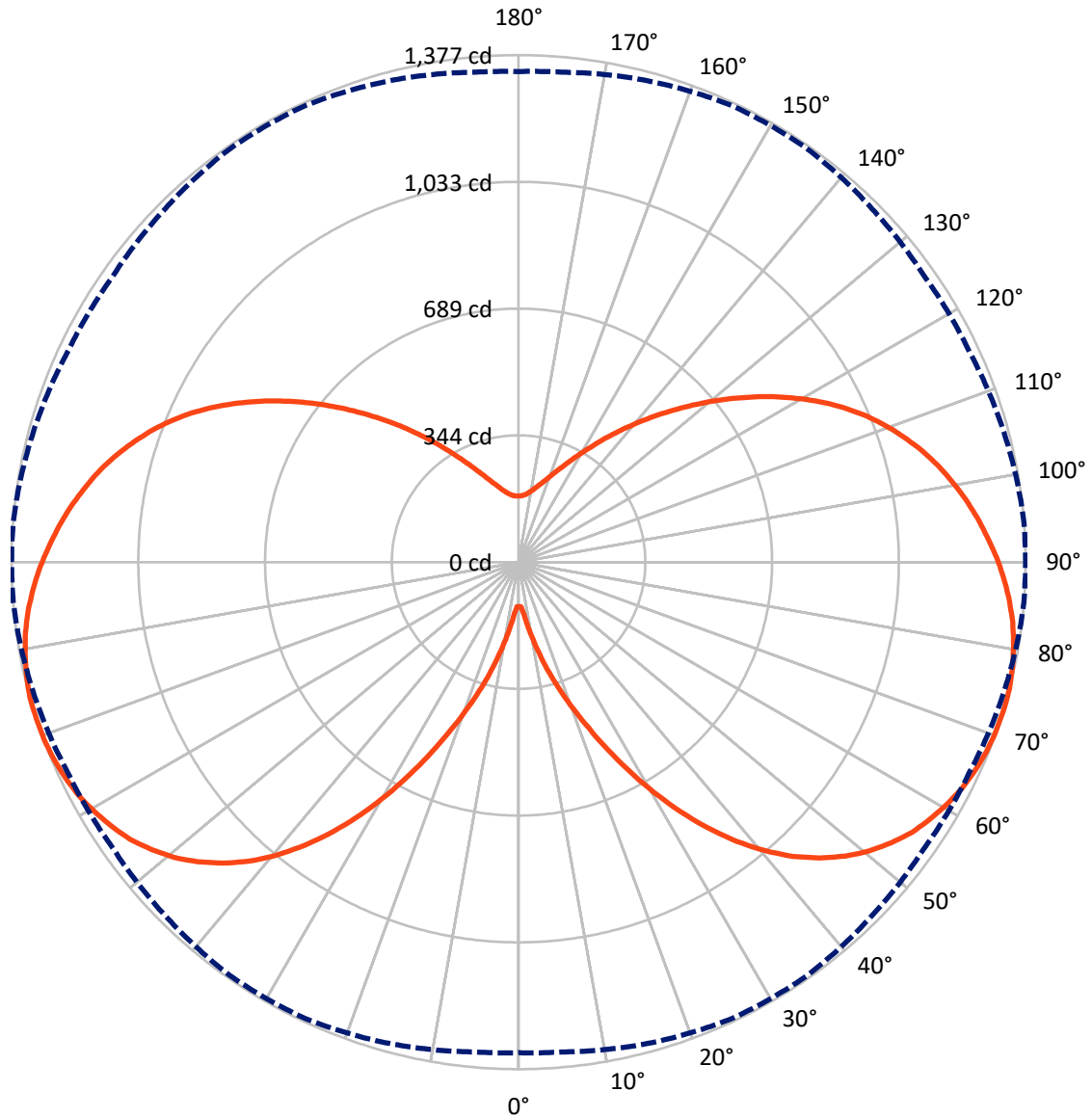
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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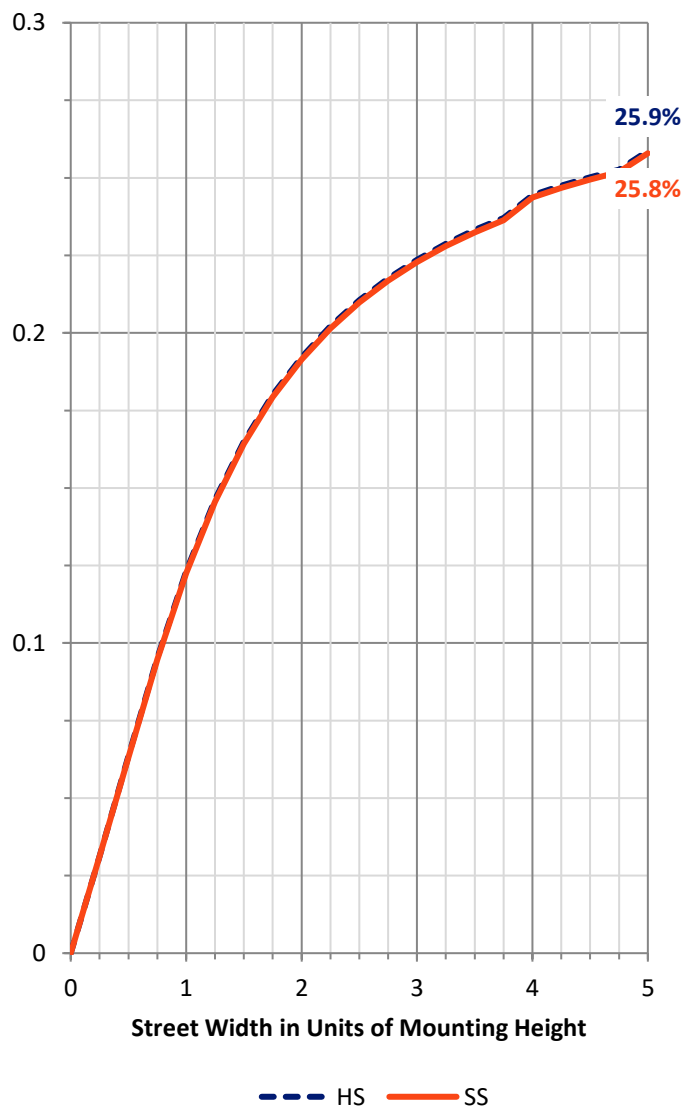
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3564.7	2520.7	6085.4
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	3564.7	2520.7	6085.4
	% Fixture	29.3	20.7	50.0
Total	Lumens	7129.4	5041.4	12170.7
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.1
10°-20°	91.3	0.8
20°-30°	263.8	2.2
30°-40°	548.8	4.5
40°-50°	870.9	7.2
50°-60°	1143.2	9.4
60°-70°	1333.0	11.0
70°-80°	1431.8	11.8
80°-90°	1431.1	11.8
90°-100°	1339.6	11.0
100°-110°	1175.4	9.7
110°-120°	945.3	7.8
120°-130°	678.9	5.6
130°-140°	436.4	3.6
140°-150°	253.2	2.1
150°-160°	133.0	1.1
160°-170°	61.9	0.5
170°-180°	17.8	0.1
0°-90°	7129.4	58.6
0°-180°	12170.7	100.0



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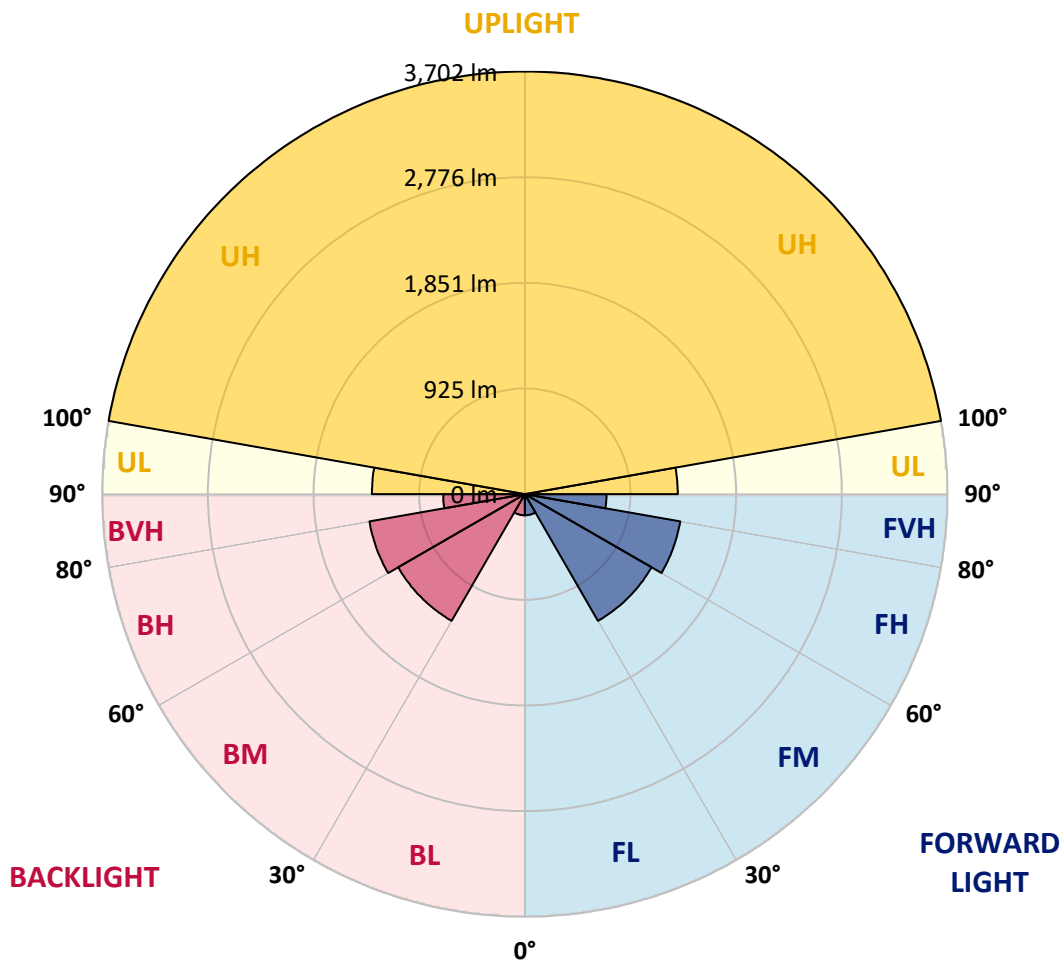
CATALOG NUMBER: FFX-CLB-90-722-U-VM9

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.4	1.5			
FM (30°-60°)	1281.4	10.5			
FH (60°-80°)	1382.4	11.4			G1/1800
FVH (80°-90°)	715.5	5.9			G4/750
BL (0°-30°)	185.4	1.5	B1/500		
BM (30°-60°)	1281.4	10.5	B2/2500		
BH (60°-80°)	1382.4	11.4	B3/2500		G1/1800
BVH (80°-90°)	715.5	5.9			G4/750
UL (90°-100°)	1339.6	11.0		U5	
UH (100°-180°)	3701.8	30.4		U5	

BUG Rating: B3-U5-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6
2.5°	125.3	125.3	124.6	124.6	123.8	123.0	123.0	122.2	121.4	121.4	121.4
5°	139.4	138.7	138.7	138.7	138.7	137.9	138.7	137.9	137.9	137.9	137.9
7.5°	170.0	169.2	169.2	169.2	170.0	170.0	170.8	171.6	172.4	172.4	172.4
10°	210.0	209.2	209.2	208.4	210.0	210.0	210.7	209.2	211.5	211.5	211.5
12.5°	257.0	256.2	256.2	255.4	257.0	256.2	257.7	256.2	260.1	258.5	258.5
15°	307.9	307.9	307.1	306.3	308.7	308.7	310.2	310.2	312.6	311.0	311.0
17.5°	361.9	361.2	361.2	360.4	362.7	362.7	362.7	364.3	367.4	364.3	364.3
20°	419.9	419.1	419.1	418.3	420.7	420.7	422.3	423.0	426.2	423.8	423.8
22.5°	482.6	481.8	481.8	481.8	484.9	485.7	485.7	488.1	492.0	488.1	488.1
25°	552.3	551.5	551.5	553.9	556.2	557.0	558.6	561.7	565.6	561.7	561.7
27.5°	626.7	625.9	627.5	630.6	633.0	634.6	636.9	637.7	643.2	639.3	639.3
30°	703.5	702.7	704.3	708.2	711.3	716.0	716.0	718.4	726.2	720.7	720.7
32.5°	779.5	778.7	781.1	785.8	790.5	795.2	795.9	799.1	806.9	803.0	803.0
35°	854.7	853.9	857.1	863.3	868.0	872.7	874.3	877.4	886.0	882.1	882.1
37.5°	926.0	926.0	929.1	936.2	941.7	947.9	947.1	951.1	958.9	956.5	956.5
40°	992.6	992.6	996.5	1005.1	1011.4	1015.3	1014.5	1018.4	1027.1	1026.3	1026.3
42.5°	1052.9	1052.9	1058.4	1067.0	1073.3	1075.6	1075.6	1079.5	1088.9	1088.2	1088.2
45°	1103.8	1106.2	1112.4	1121.8	1127.3	1129.7	1128.1	1132.0	1142.2	1142.2	1142.2
47.5°	1150.8	1154.0	1160.2	1169.6	1173.5	1175.9	1174.3	1177.5	1187.6	1189.2	1189.2
50°	1191.6	1193.9	1201.8	1211.9	1215.9	1215.9	1213.5	1216.6	1227.6	1230.7	1230.7
52.5°	1226.8	1229.2	1237.8	1248.8	1251.1	1250.3	1247.2	1250.3	1261.3	1264.4	1264.4
55°	1255.0	1257.4	1267.6	1278.5	1280.9	1278.5	1273.8	1277.7	1287.9	1292.6	1292.6
57.5°	1277.7	1280.1	1291.8	1302.8	1305.2	1300.5	1295.0	1298.9	1310.6	1316.1	1316.1
60°	1296.5	1298.9	1311.4	1323.2	1324.7	1319.3	1313.0	1316.9	1328.7	1334.9	1334.9
62.5°	1311.4	1313.8	1327.1	1340.4	1341.2	1334.1	1327.1	1331.0	1342.8	1349.8	1349.8
65°	1321.6	1324.0	1338.8	1352.2	1353.7	1345.1	1338.1	1342.0	1352.9	1361.6	1361.6
67.5°	1328.7	1331.0	1347.5	1361.6	1362.4	1352.9	1345.1	1348.2	1360.8	1369.4	1369.4
70°	1331.8	1334.1	1351.4	1366.3	1367.1	1356.9	1347.5	1351.4	1363.9	1374.1	1374.1
72.5°	1332.6	1335.7	1353.7	1368.6	1369.4	1357.6	1348.2	1351.4	1364.7	1376.5	1376.5
75°	1329.4	1333.4	1352.2	1367.8	1367.8	1354.5	1344.3	1347.5	1362.4	1374.9	1374.9
77.5°	1325.5	1327.9	1347.5	1363.1	1362.4	1348.2	1336.5	1341.2	1356.1	1370.2	1370.2
80°	1316.9	1320.0	1339.6	1354.5	1352.9	1337.3	1326.3	1331.0	1346.7	1361.6	1361.6
82.5°	1305.9	1309.1	1328.7	1342.0	1340.4	1324.0	1313.0	1318.5	1334.9	1350.6	1350.6
85°	1292.6	1295.8	1314.6	1327.1	1324.7	1308.3	1297.3	1302.0	1320.0	1335.7	1335.7
87.5°	1275.4	1278.5	1297.3	1308.3	1305.9	1288.7	1279.3	1285.6	1302.0	1318.5	1318.5
90°	1255.8	1259.7	1276.2	1286.4	1283.2	1267.6	1258.9	1265.2	1281.7	1297.3	1297.3
92.5°	1236.2	1237.8	1253.5	1262.1	1259.7	1245.6	1237.8	1244.8	1259.7	1275.4	1275.4
95°	1212.7	1215.1	1229.2	1236.2	1233.9	1222.1	1215.1	1222.9	1236.2	1251.1	1251.1
97.5°	1187.6	1190.0	1201.8	1208.8	1206.5	1196.3	1191.6	1199.4	1211.2	1225.3	1225.3
100°	1161.0	1162.6	1172.8	1179.0	1176.7	1168.8	1165.7	1173.5	1184.5	1197.8	1197.8
102.5°	1131.2	1132.8	1140.6	1144.6	1143.8	1137.5	1137.5	1146.1	1154.7	1167.3	1167.3
105°	1099.9	1101.5	1107.0	1109.3	1108.5	1106.2	1107.7	1116.4	1123.4	1134.4	1134.4
107.5°	1064.7	1066.2	1069.4	1070.1	1070.1	1070.1	1075.6	1083.5	1091.3	1099.1	1099.1
110°	1027.1	1027.8	1030.2	1029.4	1029.4	1031.0	1038.8	1047.4	1053.7	1061.5	1061.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	986.3	987.1	988.7	985.5	986.3	989.4	999.6	1009.0	1012.9	1020.8	1020.8
115°	943.2	942.4	944.0	940.1	939.3	944.8	955.8	966.7	969.9	975.3	976.1
117.5°	896.2	897.0	896.2	891.5	890.7	898.6	908.8	918.9	922.9	929.1	927.6
120°	847.6	846.9	847.6	842.2	841.4	850.0	860.2	870.4	872.7	878.2	876.6
122.5°	798.3	797.5	796.7	791.2	791.2	798.3	810.8	821.0	819.4	825.7	824.9
125°	747.4	747.4	745.8	740.3	740.3	748.9	759.1	768.5	767.0	774.0	771.7
127.5°	697.2	697.2	695.7	691.0	691.0	698.8	708.2	717.6	715.3	721.5	719.2
130°	647.9	647.9	646.3	641.6	641.6	647.9	658.1	665.9	662.8	668.2	667.5
132.5°	600.9	600.1	599.3	594.6	595.4	601.7	609.5	616.5	613.4	619.7	617.3
135°	555.4	554.7	553.9	549.2	550.0	556.2	563.3	568.8	566.4	570.3	569.5
137.5°	512.4	511.6	510.8	506.9	507.6	512.4	519.4	524.1	521.0	526.5	524.1
140°	471.6	470.8	469.3	466.9	467.7	472.4	476.3	481.8	478.7	483.4	481.0
142.5°	432.4	432.4	430.9	428.5	429.3	434.0	437.1	441.1	437.9	441.8	440.3
145°	396.4	396.4	394.8	393.3	393.3	397.2	399.5	403.5	400.3	404.2	402.7
147.5°	363.5	363.5	361.9	360.4	360.4	364.3	365.9	369.0	365.9	369.0	367.4
150°	332.9	332.9	332.2	330.6	331.4	332.9	334.5	336.9	334.5	336.9	336.1
152.5°	306.3	306.3	305.5	304.7	304.0	306.3	307.1	309.4	307.1	309.4	307.9
155°	282.8	282.0	282.0	280.5	280.5	282.0	282.8	284.4	282.0	284.4	283.6
157.5°	261.7	261.7	260.9	260.1	260.1	260.9	261.7	262.4	260.9	263.2	261.7
160°	243.6	243.6	242.9	242.1	242.1	242.9	242.9	243.6	242.1	243.6	242.9
162.5°	228.0	228.0	227.2	227.2	226.4	227.2	228.0	228.0	227.2	228.0	227.2
165°	215.4	215.4	214.7	213.9	213.9	214.7	214.7	215.4	213.9	214.7	214.7
167.5°	203.7	203.7	203.7	202.9	202.1	202.9	202.9	202.9	202.1	202.9	202.9
170°	195.1	195.1	195.1	194.3	193.5	194.3	194.3	194.3	193.5	194.3	194.3
172.5°	188.0	188.0	188.0	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2
175°	183.3	183.3	183.3	183.3	182.5	183.3	183.3	183.3	183.3	183.3	182.5
177.5°	181.0	180.2	180.2	180.2	180.2	180.2	180.2	180.2	180.2	180.2	180.2
180°	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4

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

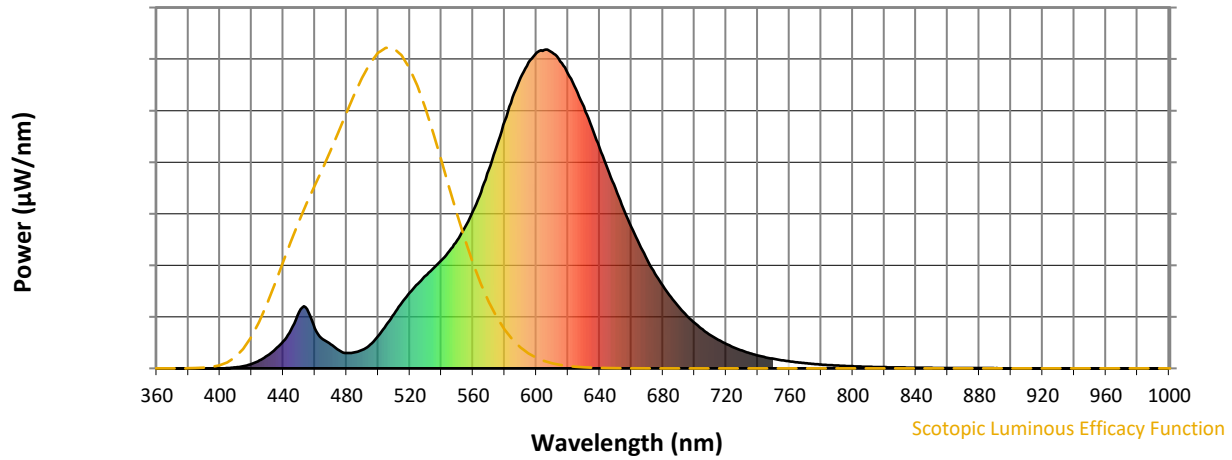


Photopic Lumens: NR

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 $R_a = 71.4$
 $R_g = -29.2$



Color Vector Graphics

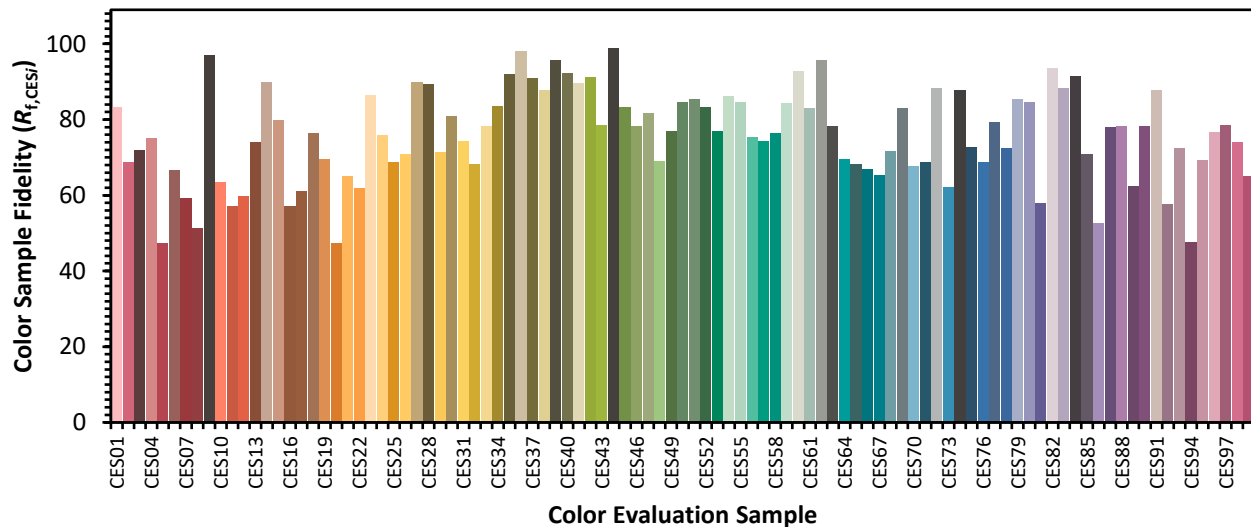


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Individual Sample Fidelity Index ($R_{f,i}$)

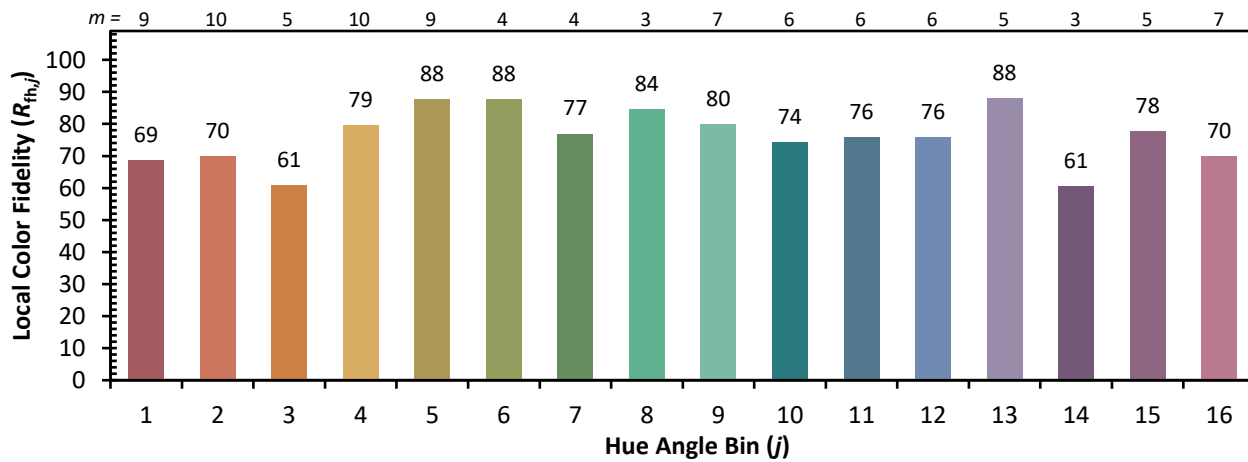
CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82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