

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: P856371

Luminaire Tested: **FFX-CLB-100-722-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856371
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-100-722-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

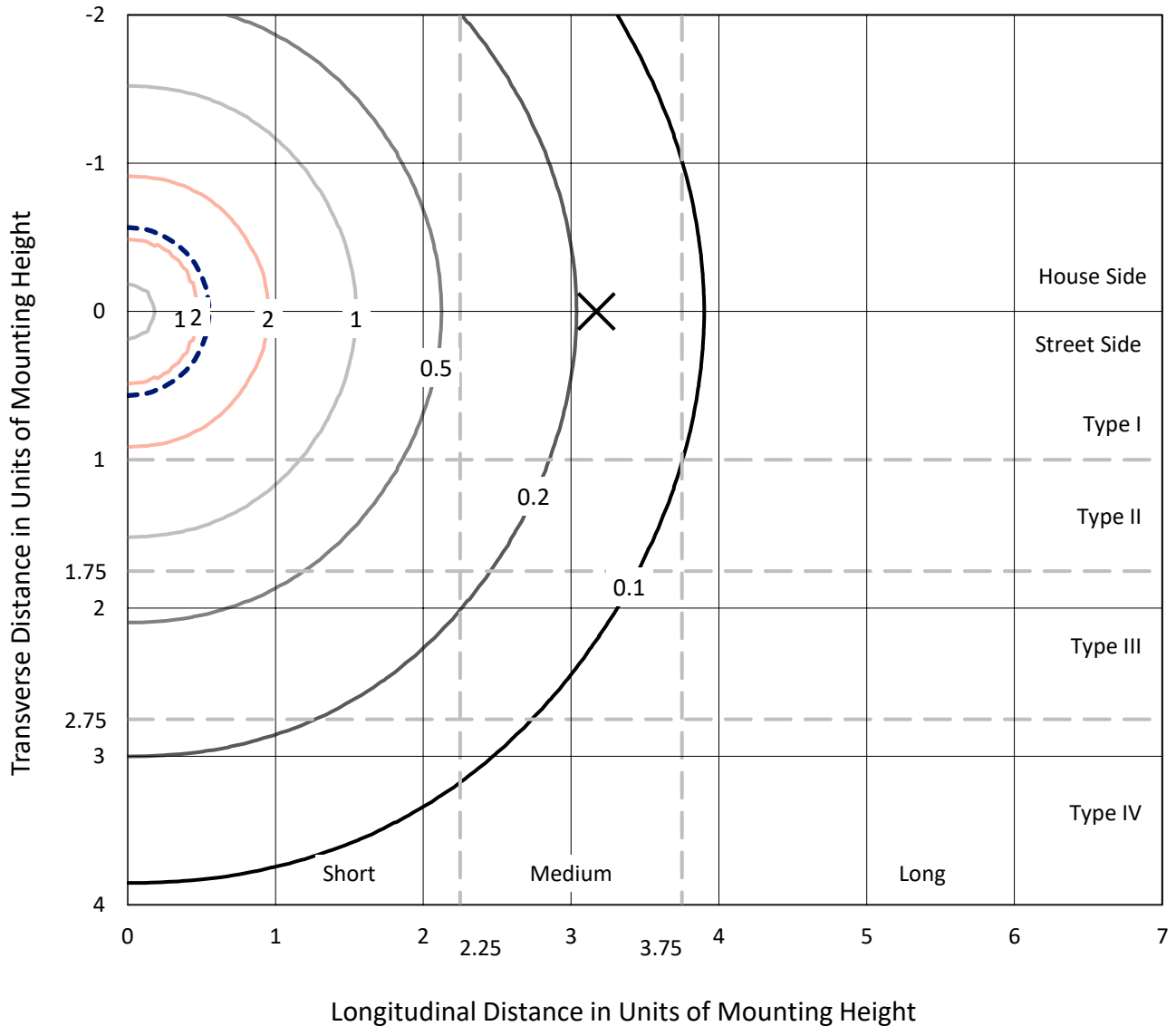
Lumens per Lamp: N/A
Luminaire Lumens: 12988.3 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

Input Watts (W): 96.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.2%%
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

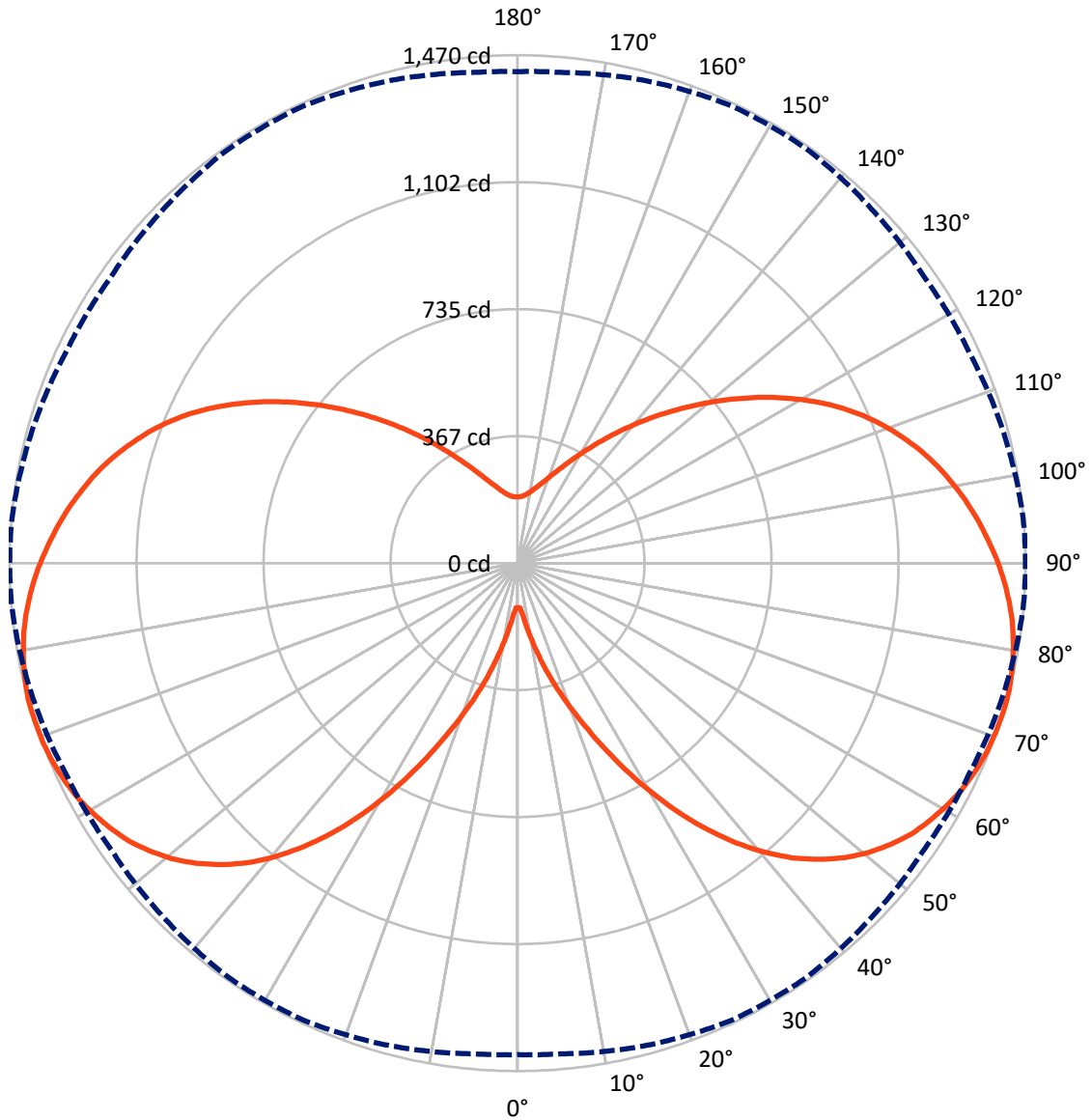
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 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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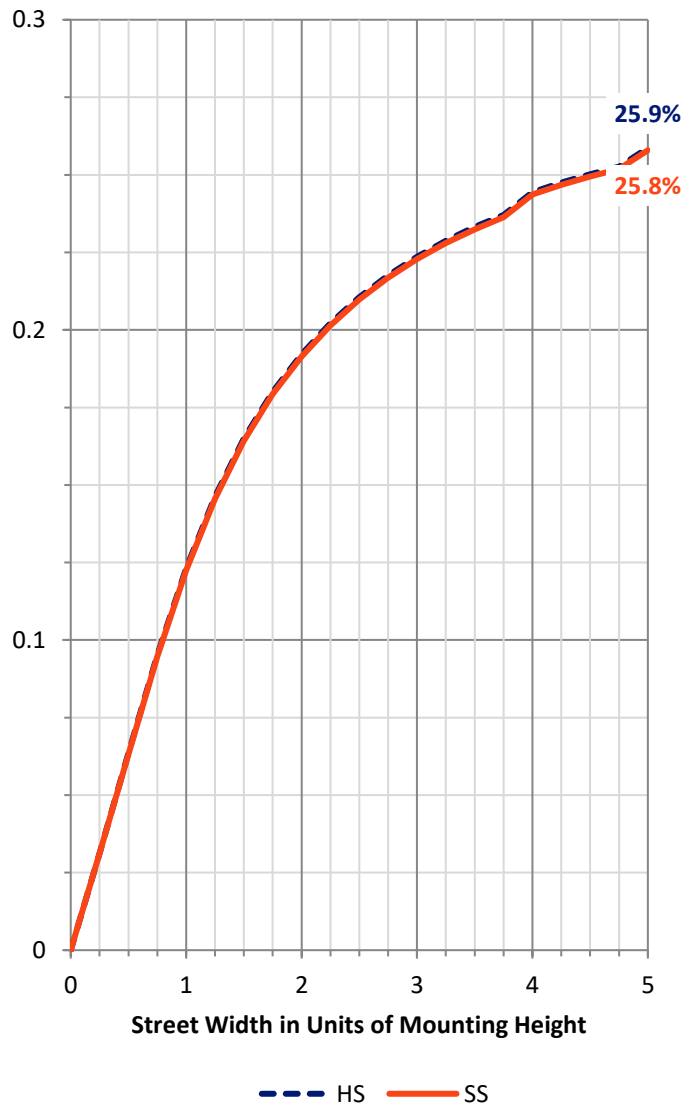
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3804.2	2690.0	6494.2
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	3804.2	2690.0	6494.2
	% Fixture	29.3	20.7	50.0
Total	Lumens	7608.3	5380.0	12988.3
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.1
10°-20°	97.4	0.8
20°-30°	281.6	2.2
30°-40°	585.6	4.5
40°-50°	929.4	7.2
50°-60°	1220.0	9.4
60°-70°	1422.5	11.0
70°-80°	1527.9	11.8
80°-90°	1527.2	11.8
90°-100°	1429.6	11.0
100°-110°	1254.4	9.7
110°-120°	1008.8	7.8
120°-130°	724.5	5.6
130°-140°	465.7	3.6
140°-150°	270.2	2.1
150°-160°	141.9	1.1
160°-170°	66.1	0.5
170°-180°	19.0	0.1
0°-90°	7608.3	58.6
0°-180°	12988.3	100.0



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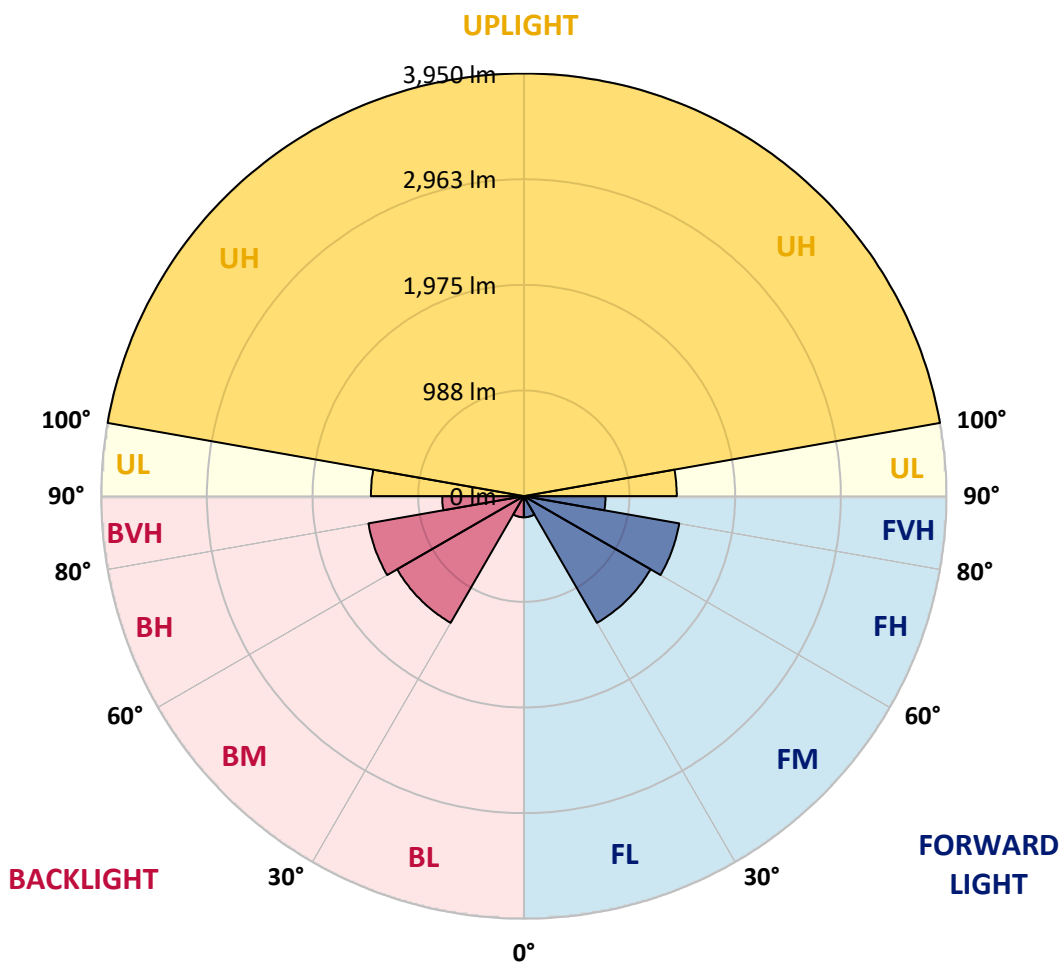
CATALOG NUMBER: FFX-CLB-100-722-U-VM9

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.8	1.5			
FM (30°-60°)	1367.5	10.5			
FH (60°-80°)	1475.2	11.4			G1/1800
FVH (80°-90°)	763.6	5.9			G5
BL (0°-30°)	197.8	1.5	B1/500		
BM (30°-60°)	1367.5	10.5	B2/2500		
BH (60°-80°)	1475.2	11.4	B3/2500		G1/1800
BVH (80°-90°)	763.6	5.9			G5
UL (90°-100°)	1429.6	11.0		U5	
UH (100°-180°)	3950.5	30.4		U5	

BUG Rating: B3-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
2.5°	133.8	133.8	132.9	132.9	132.1	131.3	131.3	130.4	129.6	129.6	129.6
5°	148.8	148.0	148.0	148.0	148.0	147.1	148.0	147.1	147.1	147.1	148.0
7.5°	181.4	180.6	180.6	180.6	181.4	181.4	182.3	183.1	183.9	183.9	183.9
10°	224.1	223.2	223.2	222.4	224.1	224.1	224.9	223.2	225.7	225.7	226.6
12.5°	274.2	273.4	273.4	272.5	274.2	273.4	275.1	273.4	277.6	275.9	275.9
15°	328.6	328.6	327.7	326.9	329.4	329.4	331.1	331.1	333.6	331.9	332.7
17.5°	386.2	385.4	385.4	384.6	387.1	387.1	387.1	388.8	392.1	388.8	391.3
20°	448.1	447.3	447.3	446.4	449.0	449.0	450.6	451.5	454.8	452.3	454.0
22.5°	515.0	514.2	514.2	514.2	517.5	518.3	518.3	520.9	525.0	520.9	524.2
25°	589.4	588.6	588.6	591.1	593.6	594.4	596.1	599.4	603.6	599.4	603.6
27.5°	668.8	668.0	669.7	673.0	675.5	677.2	679.7	680.5	686.4	682.2	688.1
30°	750.8	749.9	751.6	755.8	759.1	764.1	764.1	766.6	775.0	769.2	775.0
32.5°	831.9	831.0	833.5	838.5	843.6	848.6	849.4	852.8	861.1	856.9	862.8
35°	912.1	911.3	914.6	921.3	926.3	931.3	933.0	936.4	945.6	941.4	947.2
37.5°	988.2	988.2	991.5	999.1	1004.9	1011.6	1010.8	1014.9	1023.3	1020.8	1026.7
40°	1059.3	1059.3	1063.4	1072.6	1079.3	1083.5	1082.7	1086.8	1096.0	1095.2	1100.2
42.5°	1123.6	1123.6	1129.5	1138.7	1145.4	1147.9	1147.9	1152.1	1162.1	1161.3	1166.3
45°	1178.0	1180.5	1187.2	1197.2	1203.1	1205.6	1203.9	1208.1	1218.9	1218.9	1223.1
47.5°	1228.1	1231.5	1238.2	1248.2	1252.4	1254.9	1253.2	1256.6	1267.4	1269.1	1273.3
50°	1271.6	1274.1	1282.5	1293.4	1297.5	1297.5	1295.0	1298.4	1310.1	1313.4	1316.8
52.5°	1309.2	1311.7	1320.9	1332.6	1335.2	1334.3	1331.0	1334.3	1346.0	1349.4	1351.9
55°	1339.3	1341.8	1352.7	1364.4	1366.9	1364.4	1359.4	1363.6	1374.4	1379.5	1383.6
57.5°	1363.6	1366.1	1378.6	1390.3	1392.8	1387.8	1382.0	1386.2	1398.7	1404.5	1406.2
60°	1383.6	1386.2	1399.5	1412.1	1413.7	1407.9	1401.2	1405.4	1417.9	1424.6	1426.3
62.5°	1399.5	1402.0	1416.2	1430.5	1431.3	1423.8	1416.2	1420.4	1433.0	1440.5	1443.0
65°	1410.4	1412.9	1428.8	1443.0	1444.7	1435.5	1428.0	1432.1	1443.8	1453.0	1454.7
67.5°	1417.9	1420.4	1438.0	1453.0	1453.9	1443.8	1435.5	1438.8	1452.2	1461.4	1463.1
70°	1421.3	1423.8	1442.2	1458.1	1458.9	1448.0	1438.0	1442.2	1455.5	1466.4	1468.1
72.5°	1422.1	1425.4	1444.7	1460.6	1461.4	1448.9	1438.8	1442.2	1456.4	1468.9	1469.8
75°	1418.8	1422.9	1443.0	1459.7	1459.7	1445.5	1434.6	1438.0	1453.9	1467.2	1469.8
77.5°	1414.6	1417.1	1438.0	1454.7	1453.9	1438.8	1426.3	1431.3	1447.2	1462.2	1463.9
80°	1405.4	1408.7	1429.6	1445.5	1443.8	1427.1	1415.4	1420.4	1437.1	1453.0	1454.7
82.5°	1393.7	1397.0	1417.9	1432.1	1430.5	1412.9	1401.2	1407.1	1424.6	1441.3	1443.0
85°	1379.5	1382.8	1402.9	1416.2	1413.7	1396.2	1384.5	1389.5	1408.7	1425.4	1427.1
87.5°	1361.1	1364.4	1384.5	1396.2	1393.7	1375.3	1365.2	1371.9	1389.5	1407.1	1407.9
90°	1340.2	1344.3	1361.9	1372.8	1369.4	1352.7	1343.5	1350.2	1367.8	1384.5	1386.2
92.5°	1319.3	1320.9	1337.7	1346.9	1344.3	1329.3	1320.9	1328.5	1344.3	1361.1	1361.1
95°	1294.2	1296.7	1311.7	1319.3	1316.8	1304.2	1296.7	1305.1	1319.3	1335.2	1336.0
97.5°	1267.4	1269.9	1282.5	1290.0	1287.5	1276.6	1271.6	1280.0	1292.5	1307.6	1308.4
100°	1239.0	1240.7	1251.5	1258.2	1255.7	1247.4	1244.0	1252.4	1264.1	1278.3	1278.3
102.5°	1207.2	1208.9	1217.3	1221.5	1220.6	1213.9	1213.9	1223.1	1232.3	1245.7	1247.4
105°	1173.8	1175.5	1181.3	1183.8	1183.0	1180.5	1182.2	1191.4	1198.9	1210.6	1212.3
107.5°	1136.2	1137.8	1141.2	1142.0	1142.0	1142.0	1147.9	1156.2	1164.6	1173.0	1173.8
110°	1096.0	1096.9	1099.4	1098.6	1098.6	1100.2	1108.6	1117.8	1124.5	1132.8	1133.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1052.6	1053.4	1055.1	1051.7	1052.6	1055.9	1066.8	1076.8	1081.0	1089.4	1089.4
115°	1006.6	1005.8	1007.4	1003.2	1002.4	1008.3	1020.0	1031.7	1035.0	1040.9	1041.7
117.5°	956.4	957.3	956.4	951.4	950.6	958.9	969.8	980.7	984.9	991.5	989.9
120°	904.6	903.8	904.6	898.7	897.9	907.1	918.0	928.8	931.3	937.2	935.5
122.5°	851.9	851.1	850.3	844.4	844.4	851.9	865.3	876.2	874.5	881.2	880.3
125°	797.6	797.6	795.9	790.1	790.1	799.3	810.1	820.2	818.5	826.0	823.5
127.5°	744.1	744.1	742.4	737.4	737.4	745.7	755.8	765.8	763.3	770.0	767.5
130°	691.4	691.4	689.7	684.7	684.7	691.4	702.3	710.6	707.3	713.1	712.3
132.5°	641.2	640.4	639.6	634.6	635.4	642.1	650.4	658.0	654.6	661.3	658.8
135°	592.8	591.9	591.1	586.1	586.9	593.6	601.1	607.0	604.5	608.6	607.8
137.5°	546.8	545.9	545.1	540.9	541.8	546.8	554.3	559.3	556.0	561.8	559.3
140°	503.3	502.5	500.8	498.3	499.1	504.1	508.3	514.2	510.8	515.8	513.3
142.5°	461.5	461.5	459.8	457.3	458.1	463.2	466.5	470.7	467.3	471.5	469.9
145°	423.0	423.0	421.4	419.7	419.7	423.9	426.4	430.6	427.2	431.4	429.7
147.5°	387.9	387.9	386.2	384.6	384.6	388.8	390.4	393.8	390.4	393.8	392.1
150°	355.3	355.3	354.5	352.8	353.6	355.3	357.0	359.5	357.0	359.5	358.7
152.5°	326.9	326.9	326.1	325.2	324.4	326.9	327.7	330.2	327.7	330.2	328.6
155°	301.8	301.0	301.0	299.3	299.3	301.0	301.8	303.5	301.0	303.5	302.6
157.5°	279.2	279.2	278.4	277.6	277.6	278.4	279.2	280.1	278.4	280.9	279.2
160°	260.0	260.0	259.2	258.3	258.3	259.2	259.2	260.0	258.3	260.0	259.2
162.5°	243.3	243.3	242.5	242.5	241.6	242.5	243.3	243.3	242.5	243.3	242.5
165°	229.9	229.9	229.1	228.2	228.2	229.1	229.1	229.9	228.2	229.1	229.1
167.5°	217.4	217.4	217.4	216.5	215.7	216.5	216.5	216.5	215.7	216.5	216.5
170°	208.2	208.2	208.2	207.3	206.5	207.3	207.3	207.3	206.5	207.3	207.3
172.5°	200.6	200.6	200.6	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8
175°	195.6	195.6	195.6	195.6	194.8	195.6	195.6	195.6	195.6	195.6	194.8
177.5°	193.1	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
180°	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5	191.5

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

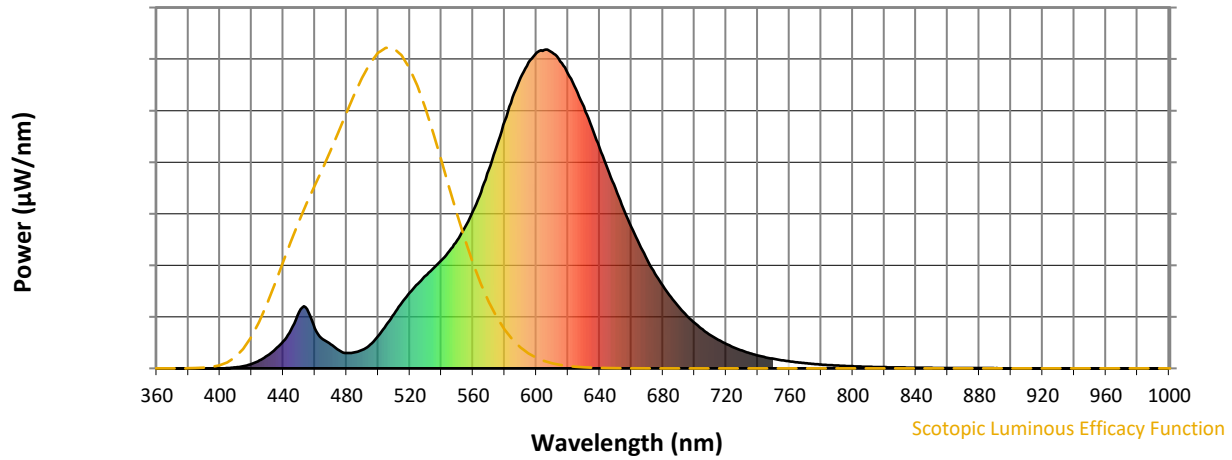


Photopic Lumens: NR

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

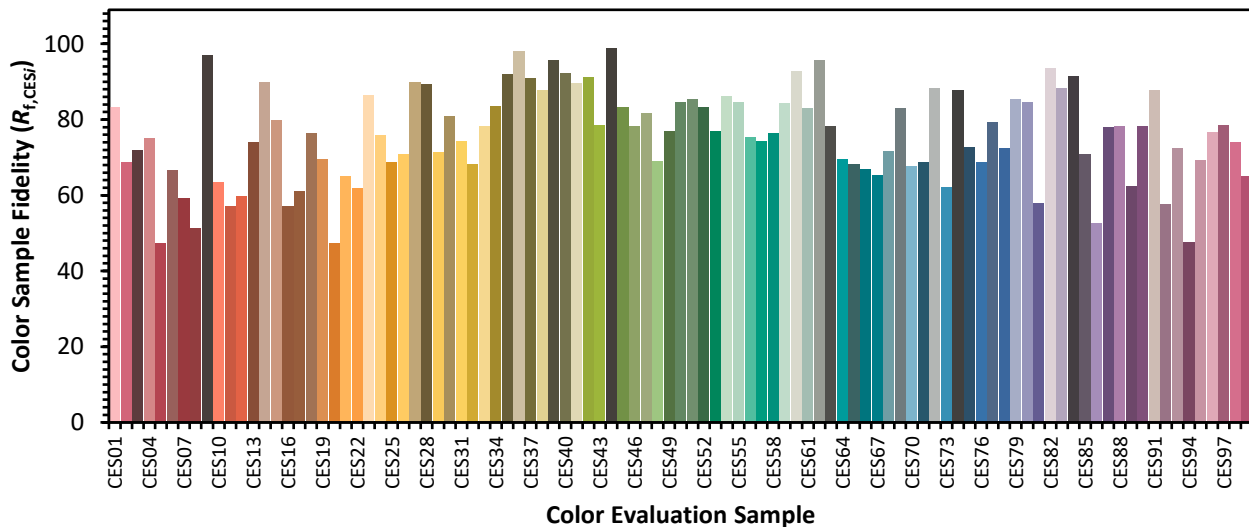


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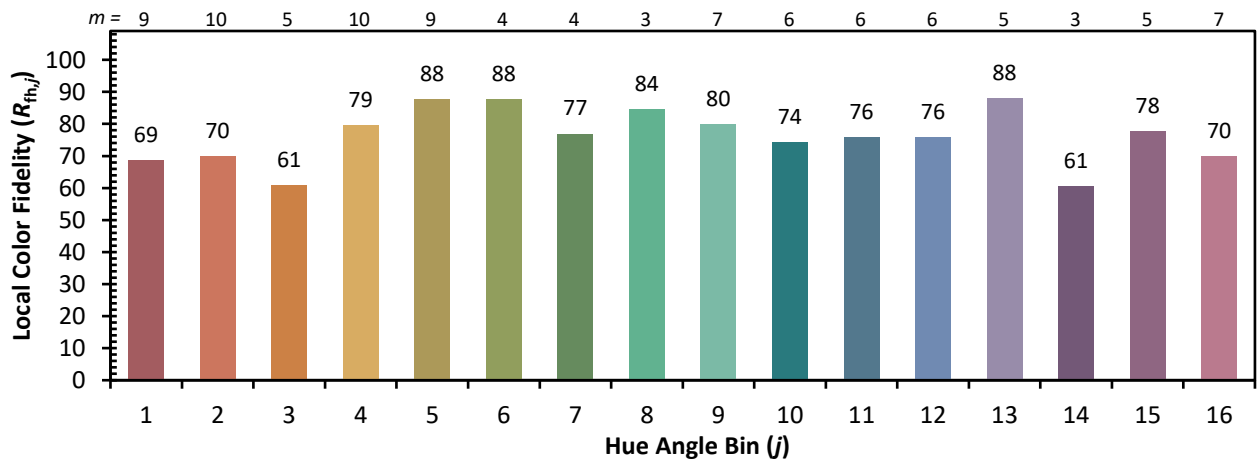
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Individual Sample Fidelity Index ($R_{f,i}$)

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)