

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: P856409

Luminaire Tested: **FFX-CLB-80-750-U-VM9**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856409  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-80-750-U-VM9  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK  
Light Source: (6) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

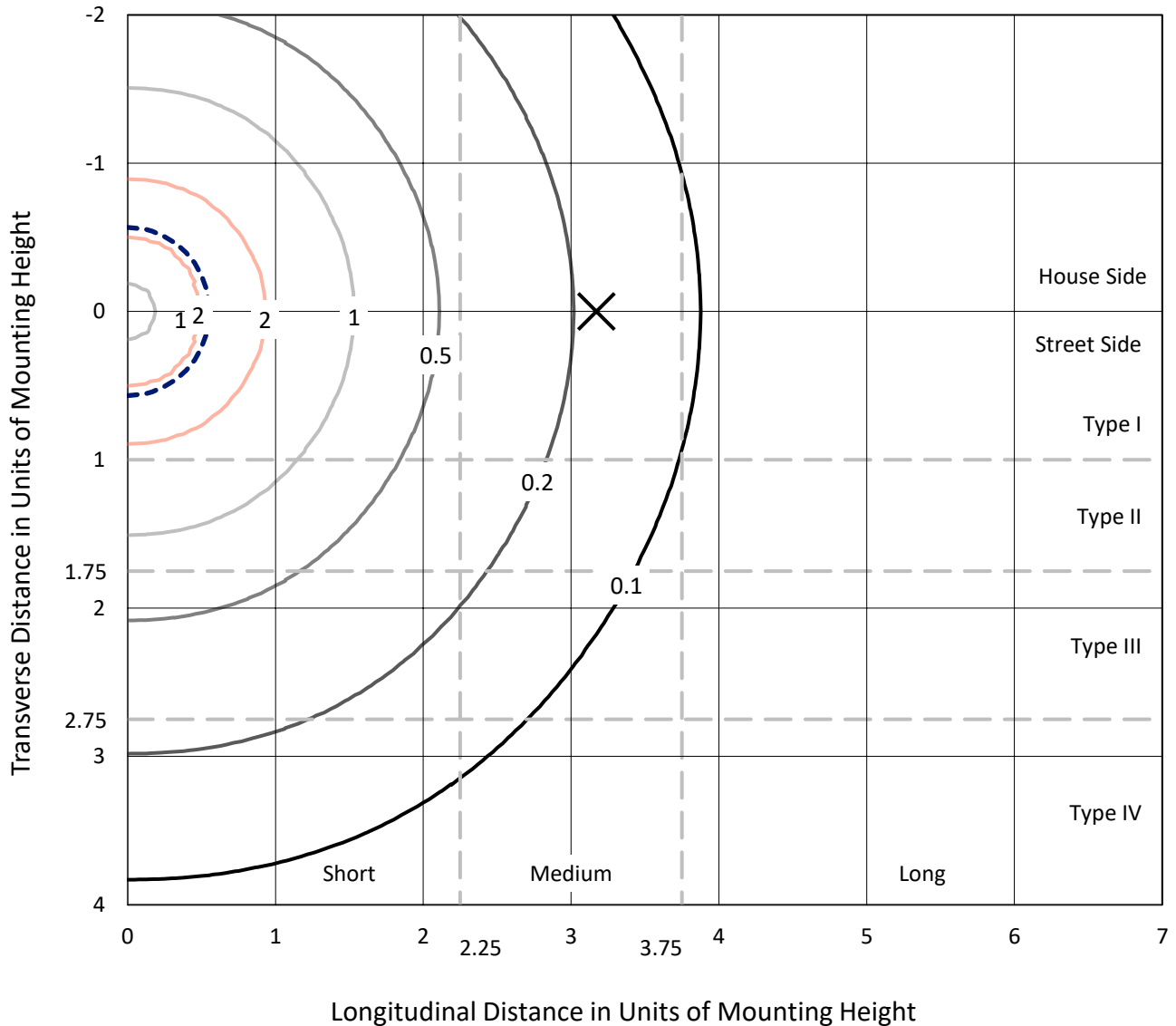
Lumens per Lamp: N/A  
Luminaire Lumens: 12770.8 lumens  
Efficiency: N/A  
Efficacy: 158.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G5

Input Watts (W): 80.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 6.1%%  
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

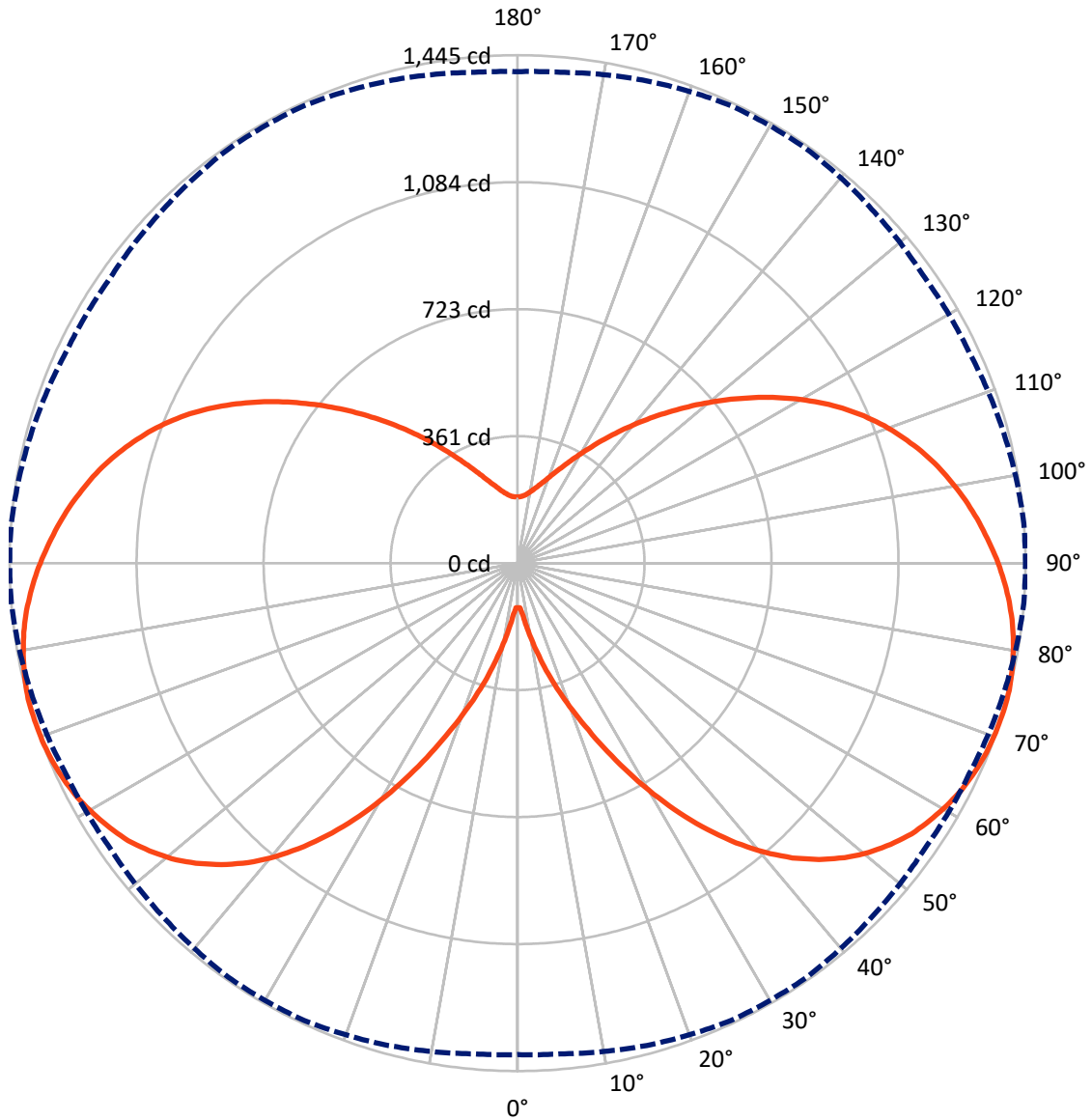
× Max cd  
 - - - 1/2 Max cd



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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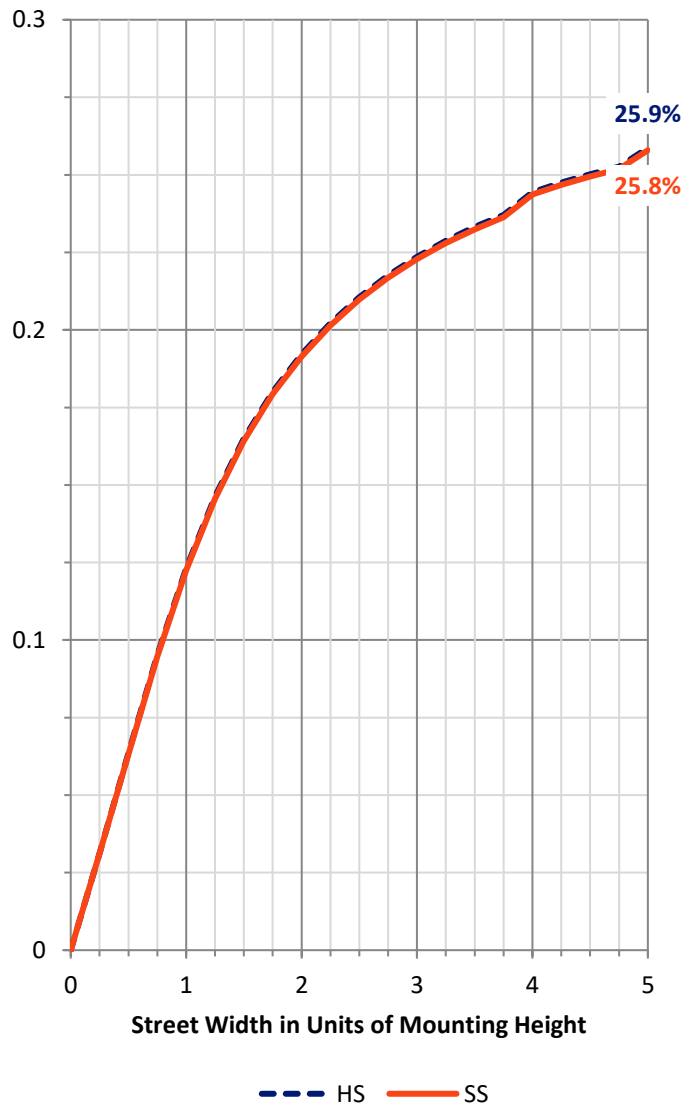
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3740.4	2645.0	6385.4
	% Fixture	29.3	20.7	50.0
<b>Street Side</b>	Lumens	3740.4	2645.0	6385.4
	% Fixture	29.3	20.7	50.0
<b>Total</b>	Lumens	7480.8	5289.9	12770.8
	% Fixture	58.6	41.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.4	0.1
10°-20°	95.8	0.8
20°-30°	276.8	2.2
30°-40°	575.8	4.5
40°-50°	913.8	7.2
50°-60°	1199.5	9.4
60°-70°	1398.7	11.0
70°-80°	1502.3	11.8
80°-90°	1501.6	11.8
90°-100°	1405.6	11.0
100°-110°	1233.4	9.7
110°-120°	991.9	7.8
120°-130°	712.4	5.6
130°-140°	457.9	3.6
140°-150°	265.6	2.1
150°-160°	139.5	1.1
160°-170°	64.9	0.5
170°-180°	18.7	0.1
0°-90°	7480.8	58.6
0°-180°	12770.8	100.0

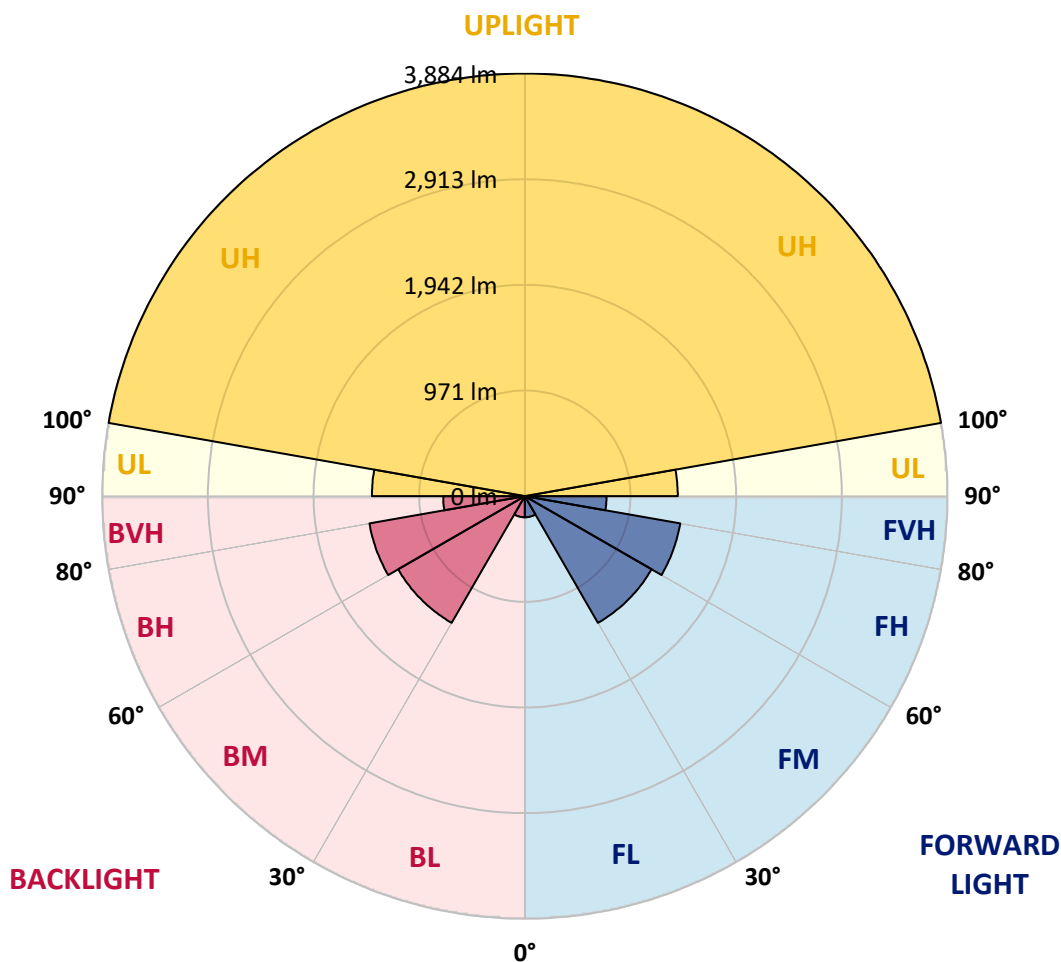


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.5	1.5			
FM (30°-60°)	1344.6	10.5			
FH (60°-80°)	1450.5	11.4			G1/1800
FVH (80°-90°)	750.8	5.9			G5
BL (0°-30°)	194.5	1.5	B1/500		
BM (30°-60°)	1344.6	10.5	B2/2500		
BH (60°-80°)	1450.5	11.4	B3/2500		G1/1800
BVH (80°-90°)	750.8	5.9			G5
UL (90°-100°)	1405.6	11.0		U5	
UH (100°-180°)	3884.3	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°	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6
2.5°	131.5	131.5	130.7	130.7	129.9	129.1	129.1	128.2	127.4	127.4	127.4
5°	146.3	145.5	145.5	145.5	145.5	144.7	145.5	144.7	144.7	144.7	144.7
7.5°	178.4	177.6	177.6	177.6	178.4	178.4	179.2	180.0	180.8	180.8	180.8
10°	220.3	219.5	219.5	218.7	220.3	220.3	221.1	219.5	221.9	221.9	221.9
12.5°	269.6	268.8	268.8	268.0	269.6	268.8	270.4	268.8	272.9	271.3	271.3
15°	323.1	323.1	322.2	321.4	323.9	323.9	325.5	325.5	328.0	326.3	327.2
17.5°	379.8	379.0	379.0	378.1	380.6	380.6	380.6	382.2	385.5	382.2	384.7
20°	440.6	439.8	439.8	439.0	441.4	441.4	443.1	443.9	447.2	444.7	446.4
22.5°	506.4	505.6	505.6	505.6	508.8	509.7	509.7	512.1	516.2	512.1	515.4
25°	579.5	578.7	578.7	581.2	583.6	584.5	586.1	589.4	593.5	589.4	593.5
27.5°	657.6	656.8	658.4	661.7	664.2	665.8	668.3	669.1	674.9	670.8	676.5
30°	738.2	737.4	739.0	743.1	746.4	751.3	751.3	753.8	762.0	756.3	762.0
32.5°	817.9	817.1	819.6	824.5	829.4	834.4	835.2	838.5	846.7	842.6	848.3
35°	896.8	896.0	899.3	905.9	910.8	915.7	917.4	920.7	929.7	925.6	931.4
37.5°	971.6	971.6	974.9	982.3	988.1	994.7	993.8	997.9	1006.2	1003.7	1009.5
40°	1041.5	1041.5	1045.6	1054.7	1061.2	1065.4	1064.5	1068.6	1077.7	1076.9	1081.8
42.5°	1104.8	1104.8	1110.6	1119.6	1126.2	1128.7	1128.7	1132.8	1142.6	1141.8	1146.7
45°	1158.2	1160.7	1167.3	1177.2	1182.9	1185.4	1183.7	1187.8	1198.5	1198.5	1202.6
47.5°	1207.6	1210.9	1217.4	1227.3	1231.4	1233.9	1232.2	1235.5	1246.2	1247.8	1252.0
50°	1250.3	1252.8	1261.0	1271.7	1275.8	1275.8	1273.3	1276.6	1288.1	1291.4	1294.7
52.5°	1287.3	1289.8	1298.8	1310.3	1312.8	1312.0	1308.7	1312.0	1323.5	1326.8	1329.2
55°	1316.9	1319.4	1330.0	1341.6	1344.0	1341.6	1336.6	1340.7	1351.4	1356.4	1360.5
57.5°	1340.7	1343.2	1355.5	1367.0	1369.5	1364.6	1358.8	1362.9	1375.3	1381.0	1382.7
60°	1360.5	1362.9	1376.1	1388.4	1390.1	1384.3	1377.7	1381.8	1394.2	1400.7	1402.4
62.5°	1376.1	1378.5	1392.5	1406.5	1407.3	1399.9	1392.5	1396.6	1409.0	1416.4	1418.8
65°	1386.8	1389.2	1404.9	1418.8	1420.5	1411.4	1404.0	1408.1	1419.7	1428.7	1430.3
67.5°	1394.2	1396.6	1413.9	1428.7	1429.5	1419.7	1411.4	1414.7	1427.9	1436.9	1438.6
70°	1397.5	1399.9	1418.0	1433.6	1434.4	1423.8	1413.9	1418.0	1431.2	1441.8	1443.5
72.5°	1398.3	1401.6	1420.5	1436.1	1436.9	1424.6	1414.7	1418.0	1432.0	1444.3	1445.1
75°	1395.0	1399.1	1418.8	1435.3	1435.3	1421.3	1410.6	1413.9	1429.5	1442.7	1445.1
77.5°	1390.9	1393.3	1413.9	1430.3	1429.5	1414.7	1402.4	1407.3	1422.9	1437.7	1439.4
80°	1381.8	1385.1	1405.7	1421.3	1419.7	1403.2	1391.7	1396.6	1413.1	1428.7	1430.3
82.5°	1370.3	1373.6	1394.2	1408.1	1406.5	1389.2	1377.7	1383.5	1400.7	1417.2	1418.8
85°	1356.4	1359.6	1379.4	1392.5	1390.1	1372.8	1361.3	1366.2	1385.1	1401.6	1403.2
87.5°	1338.3	1341.6	1361.3	1372.8	1370.3	1352.2	1342.4	1349.0	1366.2	1383.5	1384.3
90°	1317.7	1321.8	1339.1	1349.8	1346.5	1330.0	1321.0	1327.6	1344.8	1361.3	1362.9
92.5°	1297.2	1298.8	1315.3	1324.3	1321.8	1307.0	1298.8	1306.2	1321.8	1338.3	1338.3
95°	1272.5	1275.0	1289.8	1297.2	1294.7	1282.4	1275.0	1283.2	1297.2	1312.8	1313.6
97.5°	1246.2	1248.7	1261.0	1268.4	1265.9	1255.2	1250.3	1258.5	1270.9	1285.7	1286.5
100°	1218.3	1219.9	1230.6	1237.2	1234.7	1226.5	1223.2	1231.4	1242.9	1256.9	1256.9
102.5°	1187.0	1188.7	1196.9	1201.0	1200.2	1193.6	1193.6	1202.6	1211.7	1224.8	1226.5
105°	1154.1	1155.8	1161.5	1164.0	1163.2	1160.7	1162.4	1171.4	1178.8	1190.3	1191.9
107.5°	1117.1	1118.8	1122.1	1122.9	1122.9	1122.9	1128.7	1136.9	1145.1	1153.3	1154.1
110°	1077.7	1078.5	1081.0	1080.2	1080.2	1081.8	1090.0	1099.1	1105.6	1113.9	1114.7



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 CATALOG NUMBER: FFX-CLB-80-750-U-VM9

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1034.9	1035.8	1037.4	1034.1	1034.9	1038.2	1048.9	1058.8	1062.9	1071.1	1071.1
115°	989.7	988.9	990.5	986.4	985.6	991.4	1002.9	1014.4	1017.7	1023.4	1024.3
117.5°	940.4	941.2	940.4	935.5	934.7	942.9	953.6	964.2	968.4	974.9	973.3
120°	889.4	888.6	889.4	883.7	882.9	891.9	902.6	913.3	915.7	921.5	919.9
122.5°	837.7	836.8	836.0	830.3	830.3	837.7	850.8	861.5	859.8	866.4	865.6
125°	784.2	784.2	782.6	776.8	776.8	785.9	796.5	806.4	804.8	812.2	809.7
127.5°	731.6	731.6	730.0	725.0	725.0	733.3	743.1	753.0	750.5	757.1	754.6
130°	679.8	679.8	678.2	673.2	673.2	679.8	690.5	698.7	695.4	701.2	700.4
132.5°	630.5	629.7	628.9	623.9	624.7	631.3	639.5	646.9	643.7	650.2	647.8
135°	582.8	582.0	581.2	576.2	577.1	583.6	591.0	596.8	594.3	598.4	597.6
137.5°	537.6	536.8	536.0	531.9	532.7	537.6	545.0	549.9	546.7	552.4	549.9
140°	494.9	494.0	492.4	489.9	490.8	495.7	499.8	505.6	502.3	507.2	504.7
142.5°	453.8	453.8	452.1	449.7	450.5	455.4	458.7	462.8	459.5	463.6	462.0
145°	415.9	415.9	414.3	412.7	412.7	416.8	419.2	423.3	420.1	424.2	422.5
147.5°	381.4	381.4	379.8	378.1	378.1	382.2	383.9	387.2	383.9	387.2	385.5
150°	349.4	349.4	348.5	346.9	347.7	349.4	351.0	353.5	351.0	353.5	352.7
152.5°	321.4	321.4	320.6	319.8	318.9	321.4	322.2	324.7	322.2	324.7	323.1
155°	296.8	295.9	295.9	294.3	294.3	295.9	296.8	298.4	295.9	298.4	297.6
157.5°	274.6	274.6	273.7	272.9	272.9	273.7	274.6	275.4	273.7	276.2	274.6
160°	255.7	255.7	254.8	254.0	254.0	254.8	254.8	255.7	254.0	255.7	254.8
162.5°	239.2	239.2	238.4	238.4	237.6	238.4	239.2	239.2	238.4	239.2	238.4
165°	226.1	226.1	225.2	224.4	224.4	225.2	225.2	226.1	224.4	225.2	225.2
167.5°	213.7	213.7	213.7	212.9	212.1	212.9	212.9	212.9	212.1	212.9	212.9
170°	204.7	204.7	204.7	203.9	203.0	203.9	203.9	203.9	203.0	203.9	203.9
172.5°	197.3	197.3	197.3	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5
175°	192.4	192.4	192.4	192.4	191.5	192.4	192.4	192.4	192.4	192.4	191.5
177.5°	189.9	189.1	189.1	189.1	189.1	189.1	189.1	189.1	189.1	189.1	189.1
180°	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2



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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

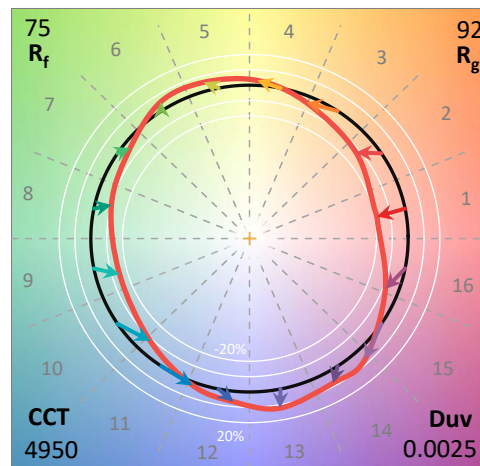
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-5  
 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-100-750-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 4950  
 CIE u': 0.2102  
 CIE v': 0.4882  
 Duv: 0.0025  
 CIE x: 0.3471  
 CIE y: 0.3583  
 CIE z: 0.2946  
 Peak Wavelength (nm): 452  
 Dominant Wavelength (nm): 571  
 Purity: 11.64963  
 Rf: 74.8  
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



**Test Conditions**

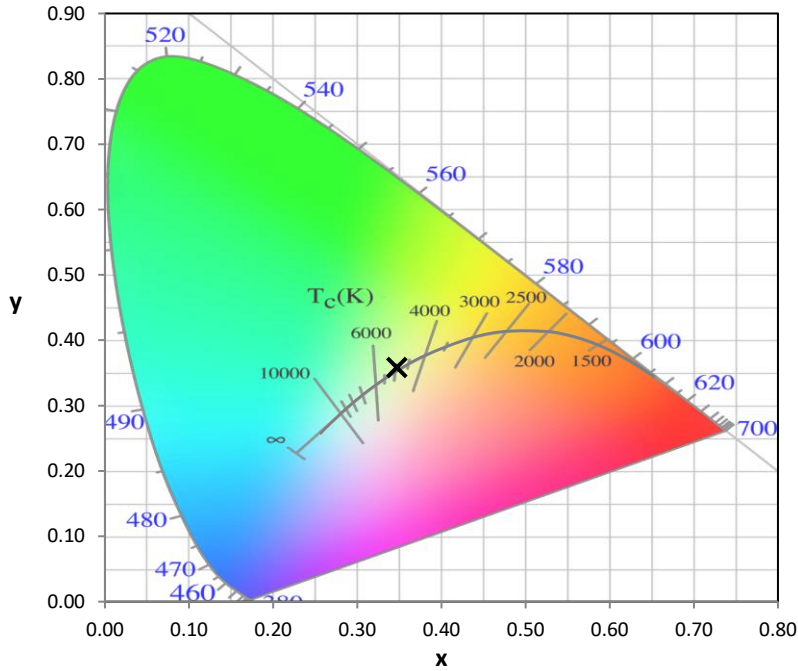
Stabilization Time: 0.803355M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-5

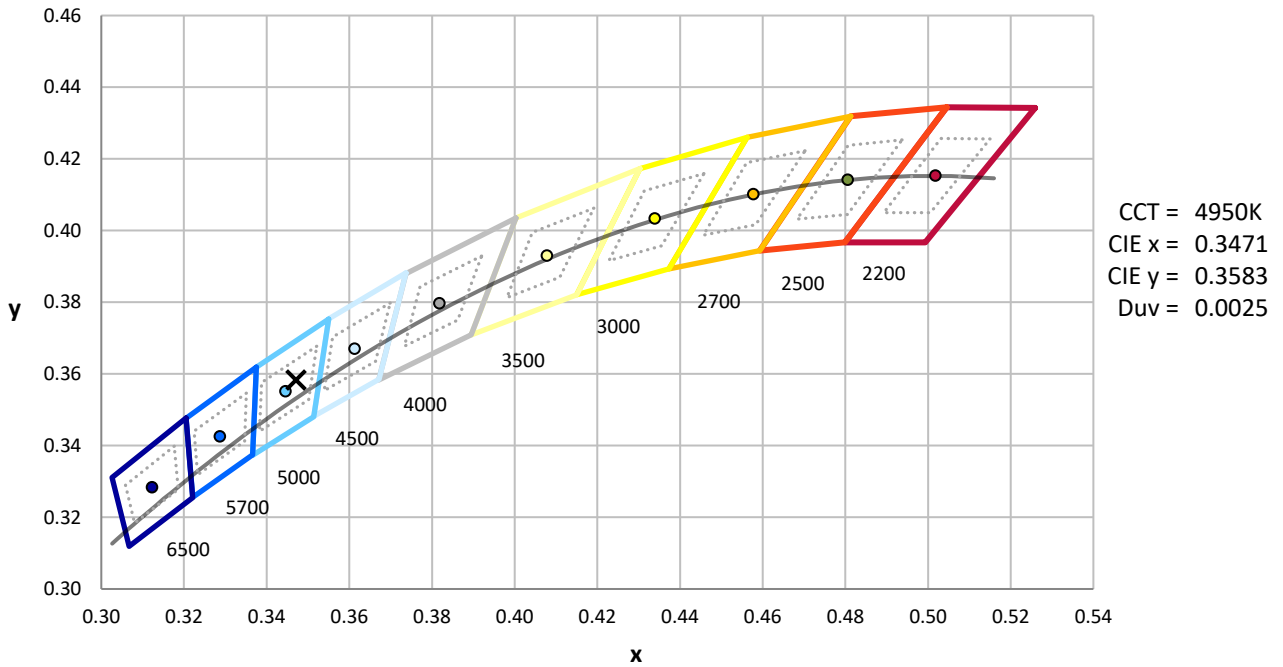
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



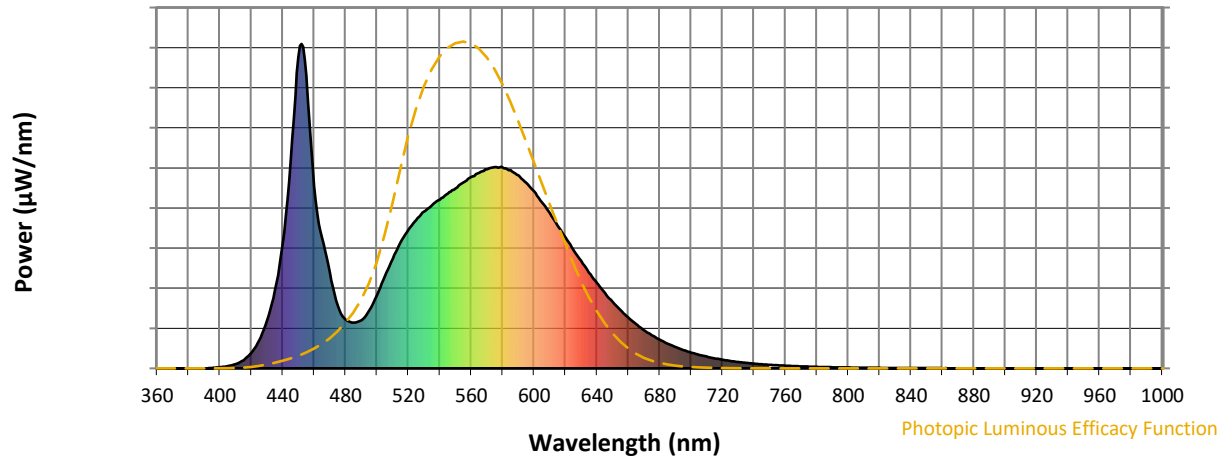
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

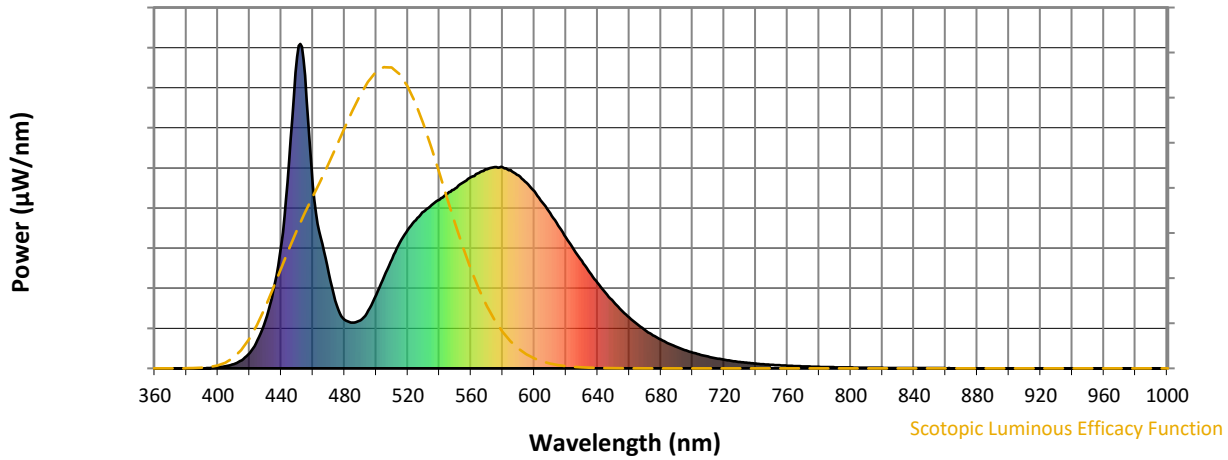


**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.8**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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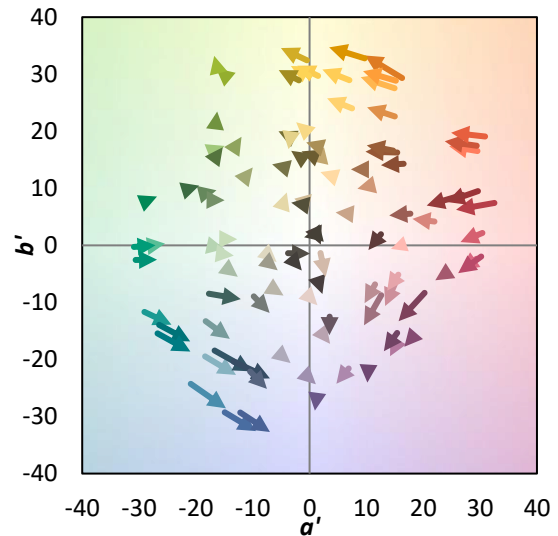
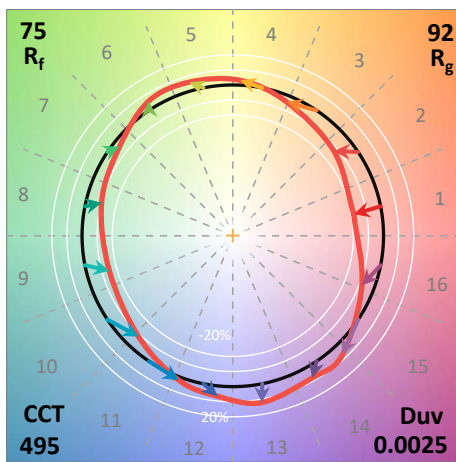
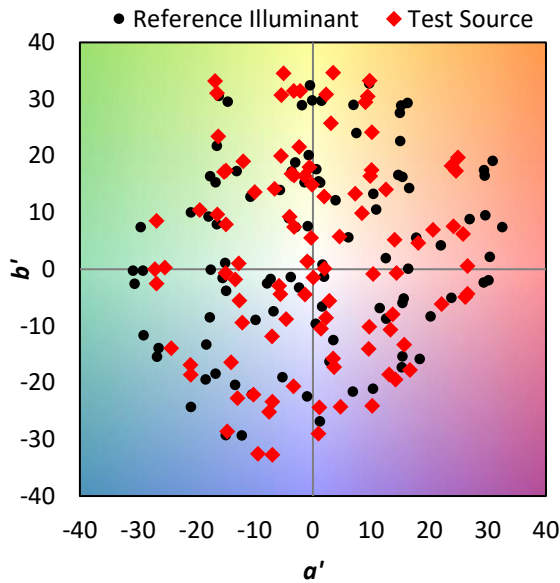
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**Summary**

$R_f = 74.8$   
 $R_g = 92.4$   
 CIE  $R_a = 73.0$   
 $R_9 = -35.4$



**Color Vector Graphics**



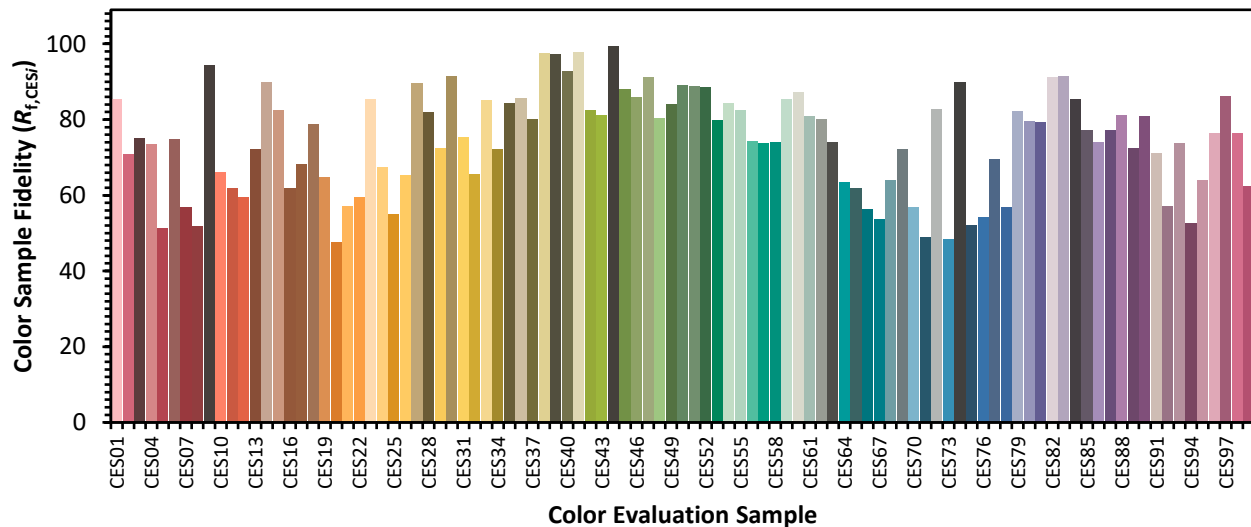


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

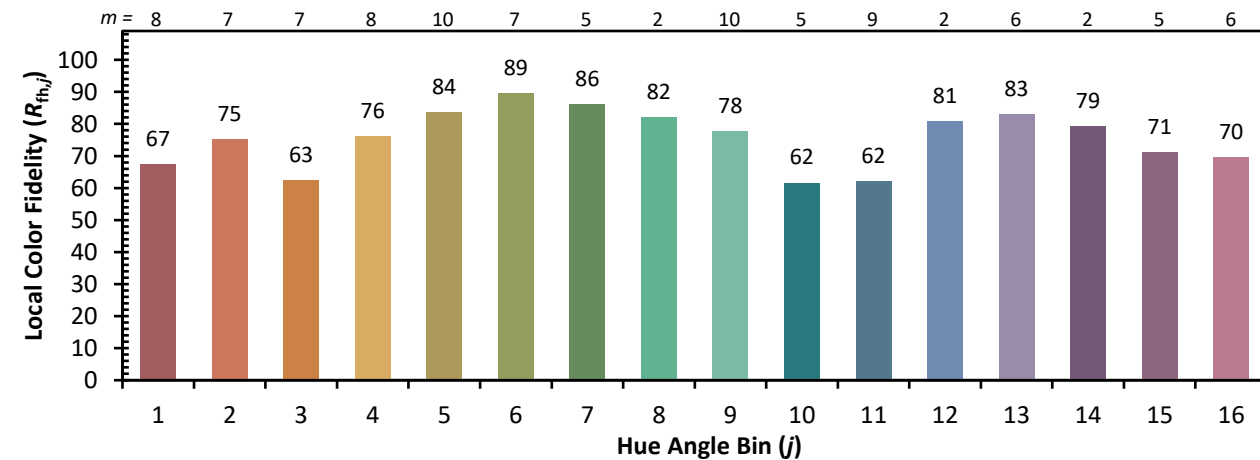
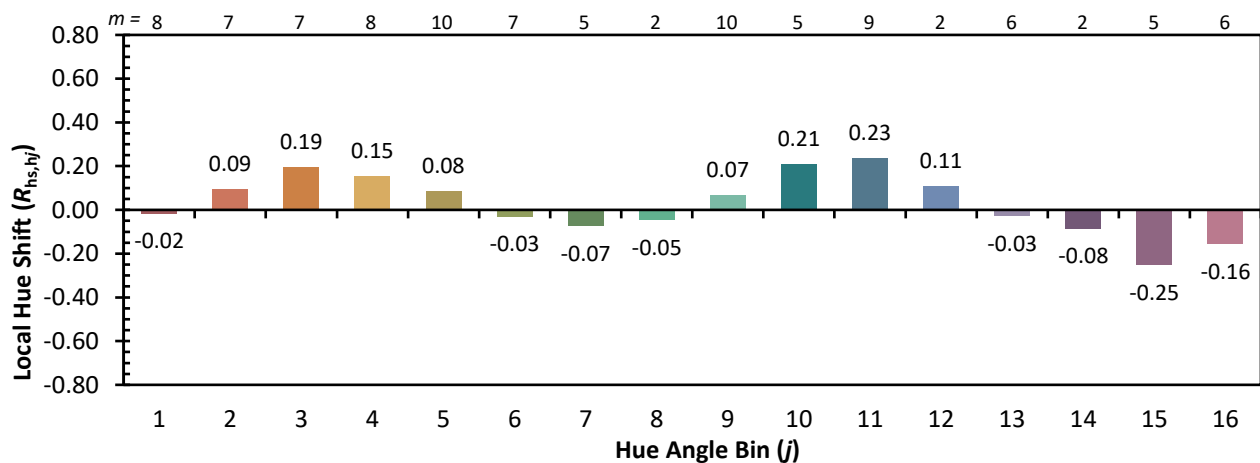
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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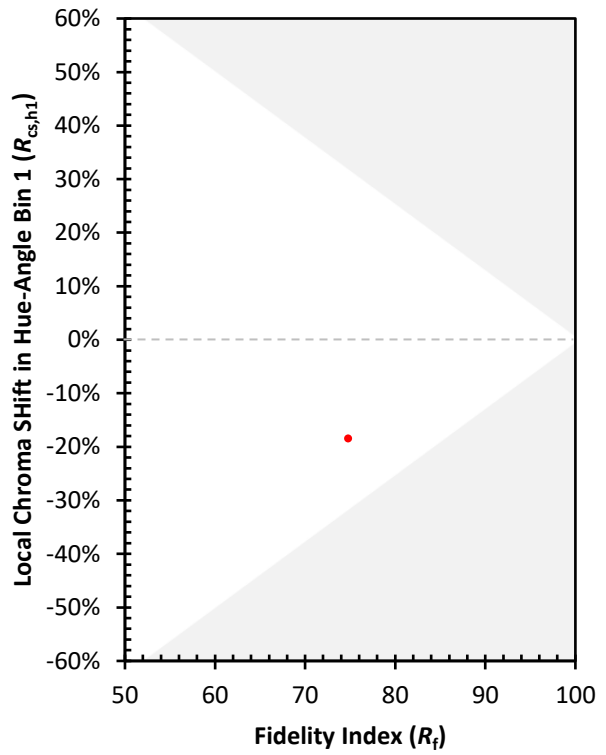
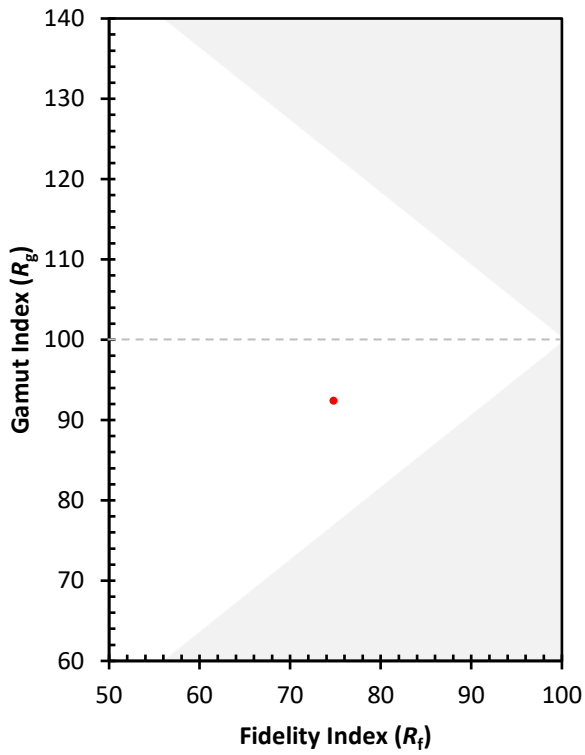
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)