

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: P856248

Luminaire Tested: **FFX-CLB-70-727-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856248
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-70-727-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

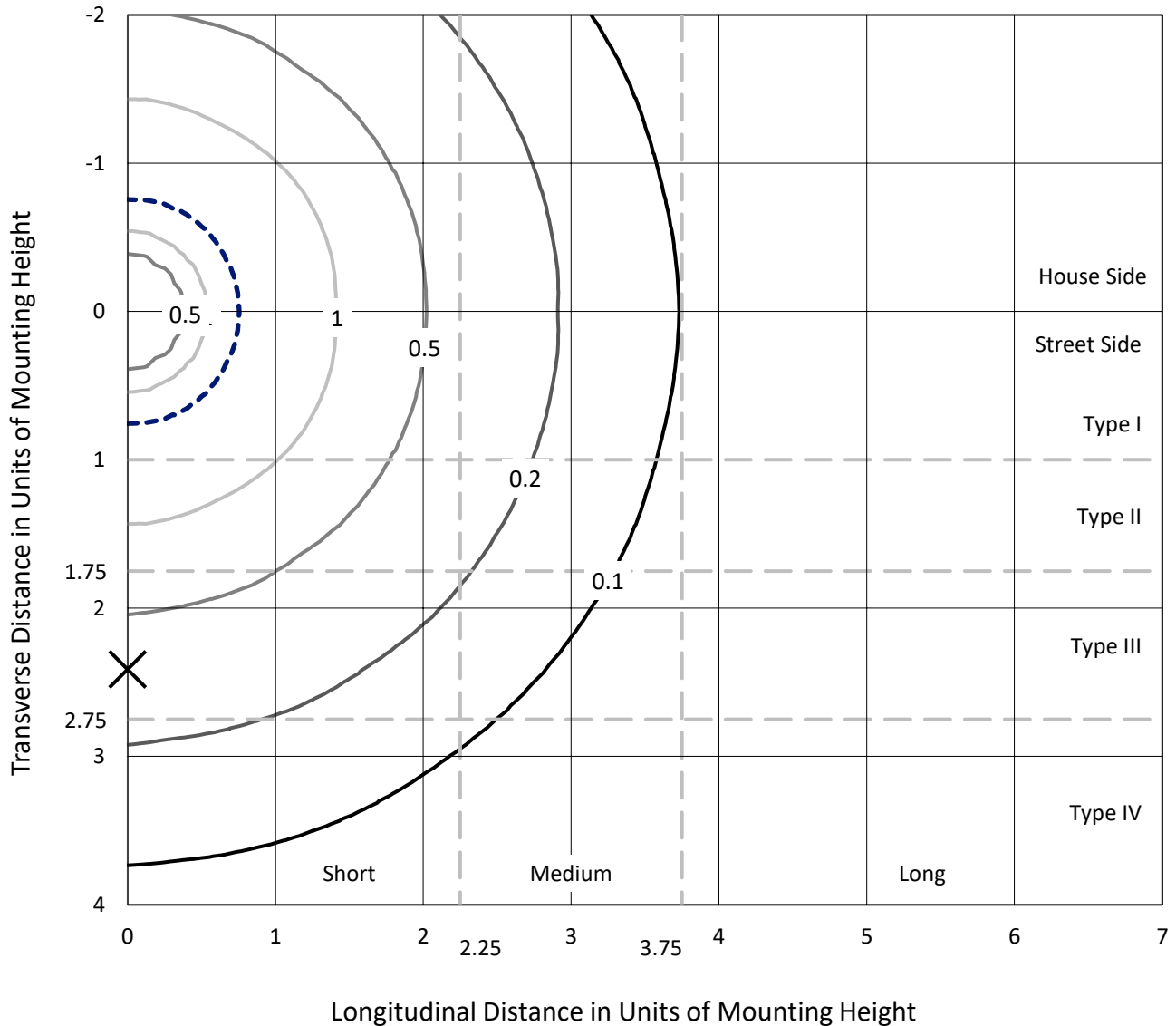
Lumens per Lamp: N/A
Luminaire Lumens: 10556 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

Input Watts (W): 70.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 7.1%%
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

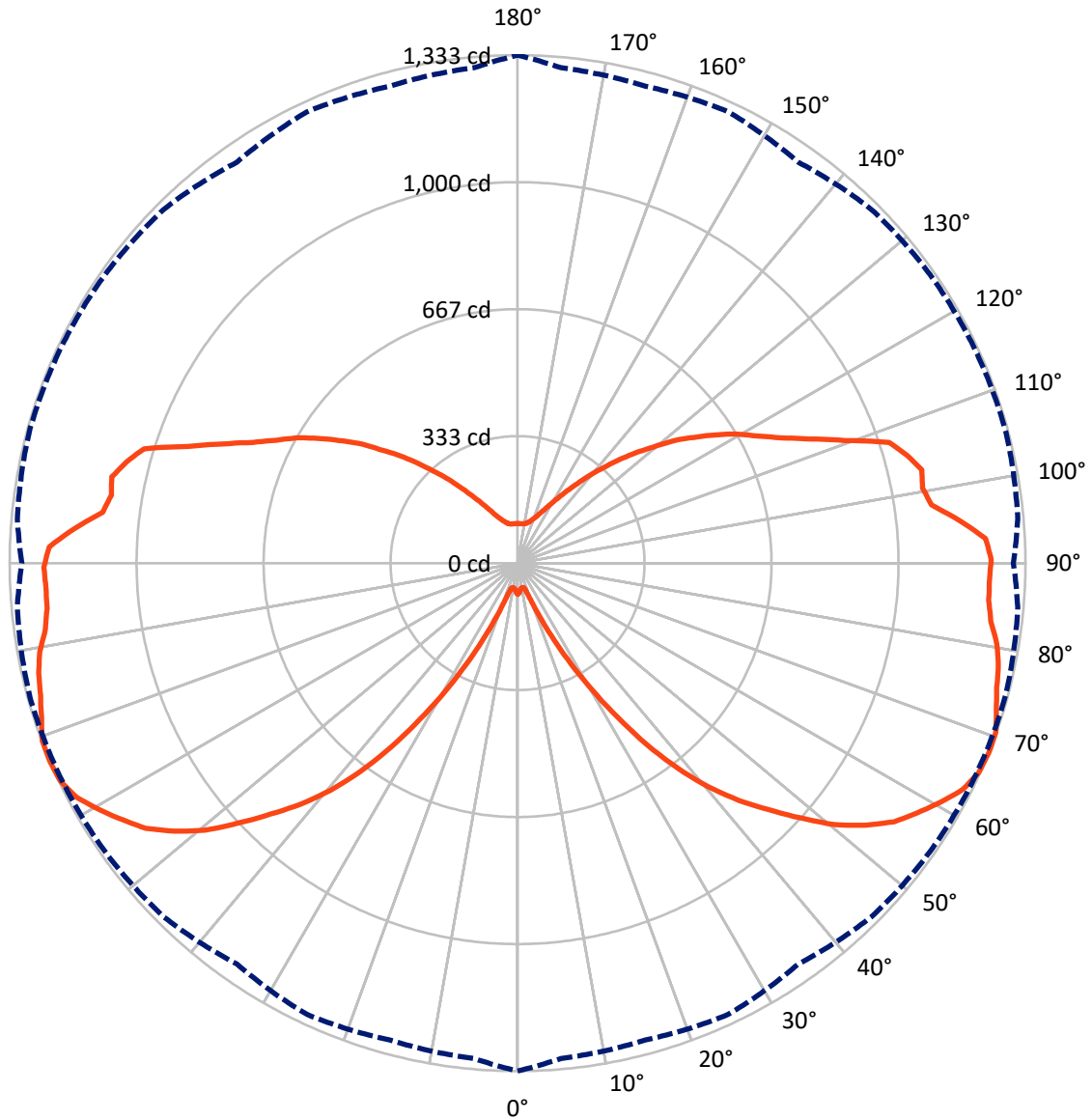
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 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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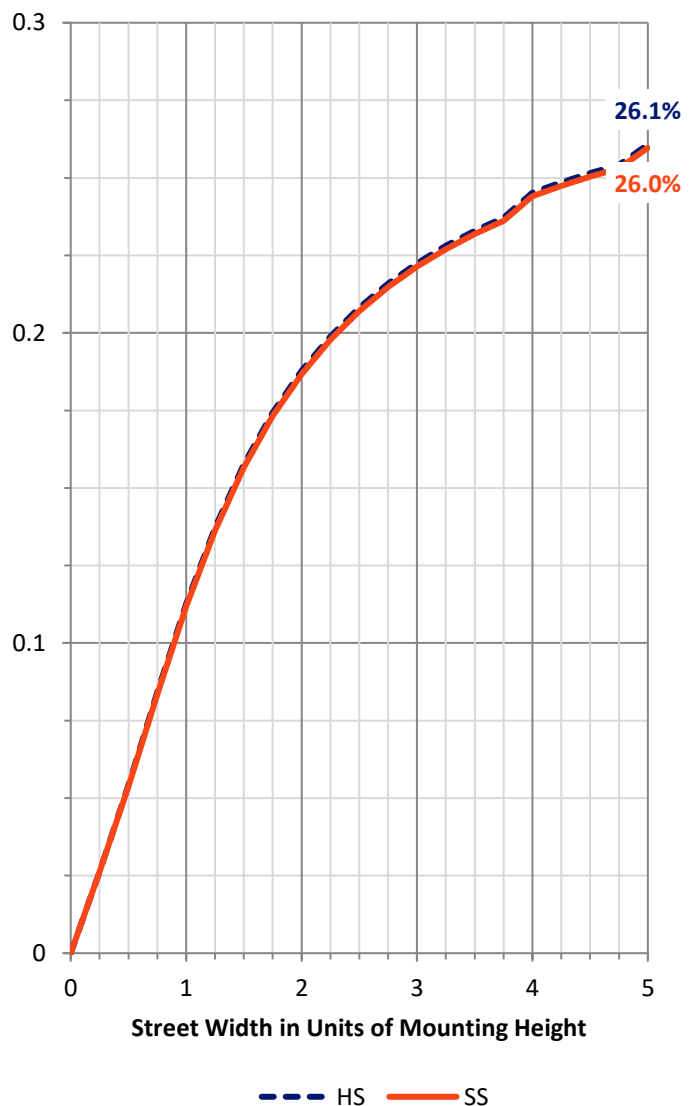
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3149.1	2128.9	5278.0
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	3149.1	2128.9	5278.0
	% Fixture	29.8	20.2	50.0
Total	Lumens	6298.2	4257.8	10556.0
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	22.5	0.2
20°-30°	112.7	1.1
30°-40°	370.4	3.5
40°-50°	716.4	6.8
50°-60°	1060.1	10.0
60°-70°	1288.9	12.2
70°-80°	1360.7	12.9
80°-90°	1359.6	12.9
90°-100°	1271.9	12.0
100°-110°	1131.5	10.7
110°-120°	773.9	7.3
120°-130°	519.8	4.9
130°-140°	301.8	2.9
140°-150°	148.6	1.4
150°-160°	68.7	0.7
160°-170°	31.7	0.3
170°-180°	9.9	0.1
0°-90°	6298.2	59.7
0°-180°	10556.0	100.0

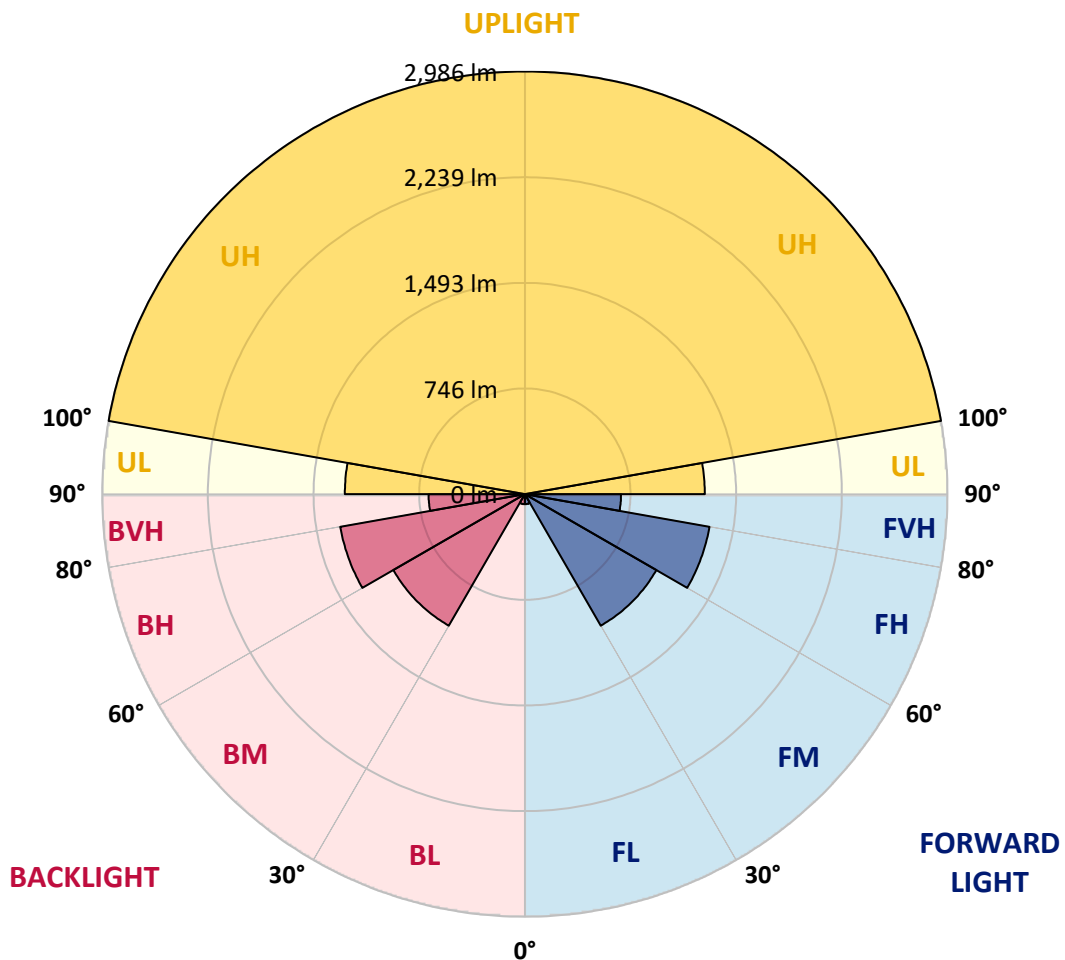


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.0	0.7			
FM (30°-60°)	1073.5	10.2			
FH (60°-80°)	1324.8	12.5			G1/1800
FVH (80°-90°)	679.8	6.4			G4/750
BL (0°-30°)	71.0	0.7	B0/110		
BM (30°-60°)	1073.5	10.2	B2/2500		
BH (60°-80°)	1324.8	12.5	B3/2500		G1/1800
BVH (80°-90°)	679.8	6.4			G4/750
UL (90°-100°)	1271.9	12.0		U5	
UH (100°-180°)	2985.9	28.3		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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	78.6	77.9	77.2	76.6	77.2	77.9	79.2	79.9	79.9	79.9	79.9
5°	71.2	71.9	72.6	73.2	73.2	73.2	73.2	73.9	74.6	74.6	74.6
7.5°	67.3	67.3	67.9	69.9	70.6	69.9	69.9	70.6	68.6	66.6	65.9
10°	65.3	65.3	65.9	66.6	67.3	68.6	69.3	69.3	69.3	69.3	68.6
12.5°	65.9	65.3	65.9	66.6	67.9	68.6	67.3	67.3	68.6	69.9	70.6
15°	69.3	68.6	68.6	69.9	70.6	70.6	69.3	69.3	69.9	71.2	71.2
17.5°	83.9	82.6	81.9	82.6	81.9	82.6	81.9	83.2	83.2	82.6	81.9
20°	114.5	113.2	111.2	110.5	111.2	113.2	113.9	115.9	113.9	113.2	110.5
22.5°	162.5	160.5	159.1	159.1	161.1	162.5	161.8	164.5	163.1	162.5	159.8
25°	223.7	222.4	223.1	226.4	229.7	227.7	222.4	226.4	226.4	225.7	225.1
27.5°	300.3	295.6	297.6	306.3	309.0	303.6	297.6	302.3	304.3	305.0	305.0
30°	387.5	384.2	383.5	392.9	396.2	391.5	387.5	392.9	392.9	394.9	394.9
32.5°	482.1	480.1	476.8	482.1	487.4	486.1	486.1	490.1	488.7	490.7	491.4
35°	586.0	582.0	575.3	576.0	582.0	582.6	587.3	590.0	588.6	588.0	588.0
37.5°	683.8	678.5	672.5	669.2	676.5	675.9	686.5	686.5	683.8	684.5	684.5
40°	772.4	769.1	764.4	755.1	769.1	766.4	779.1	779.1	771.7	773.7	772.4
42.5°	851.6	851.6	846.3	832.3	847.0	844.3	861.0	861.0	851.0	850.3	848.3
45°	922.9	926.2	923.6	910.9	916.2	918.2	934.2	930.9	922.9	922.9	919.6
47.5°	999.5	1002.8	993.5	980.2	986.1	989.5	1004.1	1002.8	998.1	992.1	992.1
50°	1079.4	1080.0	1061.4	1045.4	1050.7	1068.1	1078.7	1081.4	1071.4	1057.4	1056.7
52.5°	1142.6	1146.6	1128.6	1111.3	1115.3	1135.3	1147.3	1148.0	1135.3	1115.3	1121.3
55°	1198.6	1202.6	1184.6	1169.3	1177.3	1187.9	1201.9	1193.9	1194.6	1173.3	1183.2
57.5°	1236.5	1249.8	1219.9	1216.5	1223.9	1236.5	1242.5	1240.5	1244.5	1224.5	1227.9
60°	1274.5	1280.5	1255.2	1259.8	1251.2	1273.8	1278.5	1283.1	1272.5	1258.5	1258.5
62.5°	1310.4	1295.8	1277.8	1289.1	1265.8	1294.4	1299.8	1305.1	1293.8	1280.5	1283.1
65°	1329.1	1302.4	1287.1	1301.1	1278.5	1304.4	1313.1	1315.1	1313.1	1300.4	1294.4
67.5°	1333.1	1305.1	1295.8	1307.1	1284.5	1313.1	1321.1	1325.1	1327.1	1317.8	1301.1
70°	1331.7	1301.8	1293.8	1304.4	1289.8	1316.4	1317.1	1323.1	1325.7	1329.7	1311.1
72.5°	1313.8	1287.8	1285.8	1295.1	1281.8	1299.1	1299.8	1307.1	1303.1	1315.8	1306.4
75°	1299.1	1281.8	1285.1	1283.1	1269.8	1279.8	1282.5	1291.1	1276.5	1288.5	1296.4
77.5°	1289.8	1280.5	1288.5	1277.8	1263.8	1270.5	1274.5	1284.5	1262.5	1272.5	1295.8
80°	1275.1	1272.5	1282.5	1266.5	1254.5	1260.5	1267.1	1275.8	1251.8	1258.5	1291.8
82.5°	1251.2	1253.2	1262.5	1243.8	1235.9	1242.5	1250.5	1263.8	1239.2	1243.2	1278.5
85°	1240.5	1249.2	1253.8	1235.2	1225.9	1229.9	1238.5	1252.5	1226.5	1232.5	1268.5
87.5°	1239.2	1249.8	1253.2	1237.2	1229.2	1235.2	1239.2	1259.2	1231.2	1238.5	1275.1
90°	1243.2	1247.2	1249.2	1235.2	1228.5	1237.8	1238.5	1263.2	1235.2	1237.2	1269.8
92.5°	1229.9	1230.5	1234.5	1221.9	1221.2	1227.9	1226.5	1247.2	1216.5	1211.9	1239.8
95°	1165.3	1159.9	1168.6	1161.9	1175.9	1185.9	1197.2	1223.2	1207.9	1211.9	1235.9
97.5°	1096.7	1098.0	1100.7	1090.0	1088.0	1092.0	1096.7	1110.0	1105.3	1109.3	1132.0
100°	1080.7	1085.4	1084.7	1079.4	1057.4	1052.7	1042.7	1028.8	1010.1	1012.8	1016.1
102.5°	1088.7	1101.3	1103.3	1110.7	1110.7	1107.3	1114.7	1108.7	1112.0	1131.3	1120.7
105°	1060.1	1074.7	1084.0	1092.0	1107.3	1120.0	1153.9	1174.6	1191.2	1214.5	1211.2
107.5°	1025.4	1032.8	1039.4	1039.4	1035.4	1033.4	1052.1	1055.4	1050.7	1056.7	1057.4
110°	917.6	916.9	923.6	920.9	922.9	912.2	917.6	935.5	931.5	943.5	945.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	833.7	833.7	838.3	831.7	832.3	823.7	827.0	839.0	839.7	849.6	855.0
115°	763.1	761.8	768.4	763.1	757.1	755.1	758.4	765.7	767.7	774.4	785.1
117.5°	710.5	703.8	709.1	709.8	712.5	707.2	715.1	719.8	722.5	727.8	736.4
120°	667.2	660.5	662.5	669.2	677.2	665.9	674.5	678.5	680.5	682.5	686.5
122.5°	617.9	613.3	611.3	624.6	629.2	619.3	623.9	629.9	633.2	636.6	639.9
125°	568.0	564.0	562.0	574.0	578.6	570.6	577.3	586.0	584.6	592.0	585.3
127.5°	522.7	521.4	518.7	524.7	528.0	527.4	533.4	544.0	539.4	546.0	538.7
130°	468.8	474.1	470.1	477.4	478.1	483.4	485.4	495.4	490.7	492.1	487.4
132.5°	424.8	426.8	424.8	427.5	429.5	429.5	434.8	445.5	438.1	437.5	433.5
135°	380.2	380.9	378.2	382.2	383.5	380.2	385.5	393.5	389.5	387.5	387.5
137.5°	336.3	335.6	336.3	337.6	338.9	338.3	340.9	346.9	345.6	342.9	346.3
140°	299.0	297.0	297.6	298.3	297.6	297.6	300.3	305.6	305.6	302.3	305.6
142.5°	261.7	261.0	261.0	261.0	261.0	262.4	265.0	266.3	267.7	265.0	264.3
145°	230.4	229.7	229.1	229.1	229.1	229.7	232.4	231.7	234.4	231.7	229.7
147.5°	202.4	203.1	201.8	201.1	200.4	202.4	203.1	204.4	205.8	204.4	202.4
150°	179.8	179.1	179.1	177.8	177.8	179.8	179.1	180.5	181.8	181.1	180.5
152.5°	159.8	159.8	159.8	158.5	159.1	160.5	160.5	160.5	161.8	161.8	161.1
155°	143.8	143.8	143.8	143.2	143.2	144.5	144.5	144.5	145.2	145.2	145.2
157.5°	131.8	131.8	131.2	131.2	131.2	131.8	131.2	131.2	131.8	131.8	131.8
160°	122.5	122.5	121.9	121.9	121.2	121.9	121.2	121.2	121.9	121.9	121.9
162.5°	115.2	115.2	114.5	114.5	114.5	114.5	114.5	113.9	113.9	114.5	113.9
165°	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.2	109.2	109.2	109.2
167.5°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
170°	104.5	104.5	104.5	105.2	105.2	105.2	104.5	104.5	105.2	105.2	104.5
172.5°	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9
175°	103.9	103.9	103.9	103.9	103.9	103.9	103.2	103.9	103.9	103.9	103.9
177.5°	103.9	103.2	103.2	103.9	103.9	103.2	103.2	103.2	103.2	103.2	103.2
180°	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-3

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-3
 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-100-727-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2707
 CIE u': 0.2624
 CIE v': 0.5261
 Duv: -0.0007
 CIE x: 0.4580
 CIE y: 0.4082
 CIE z: 0.1338
 Peak Wavelength (nm): 599
 Dominant Wavelength (nm): 584
 Purity: 59.99901
 Rf: 75.5
 Rg: 92.5

CRI (Ra):	71.3		
R1:	67.8	R9:	-34.9
R2:	84.5	R10:	65.1
R3:	94.2	R11:	59.2
R4:	64.8	R12:	54.2
R5:	66.9	R13:	71.2
R6:	79.2	R14:	97.5
R7:	74.4	R15:	59.4
R8:	38.8		



Test Conditions

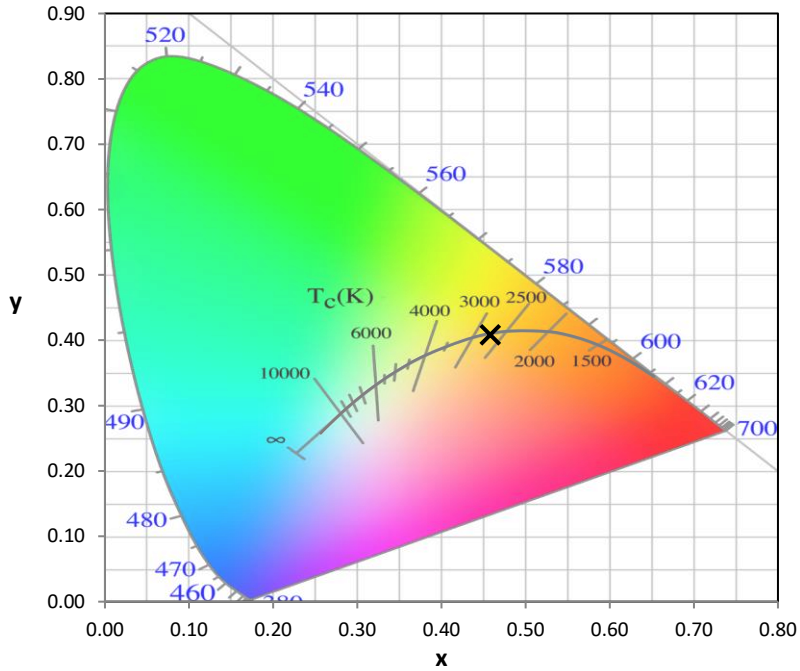
Stabilization Time: 0.813602M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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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 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

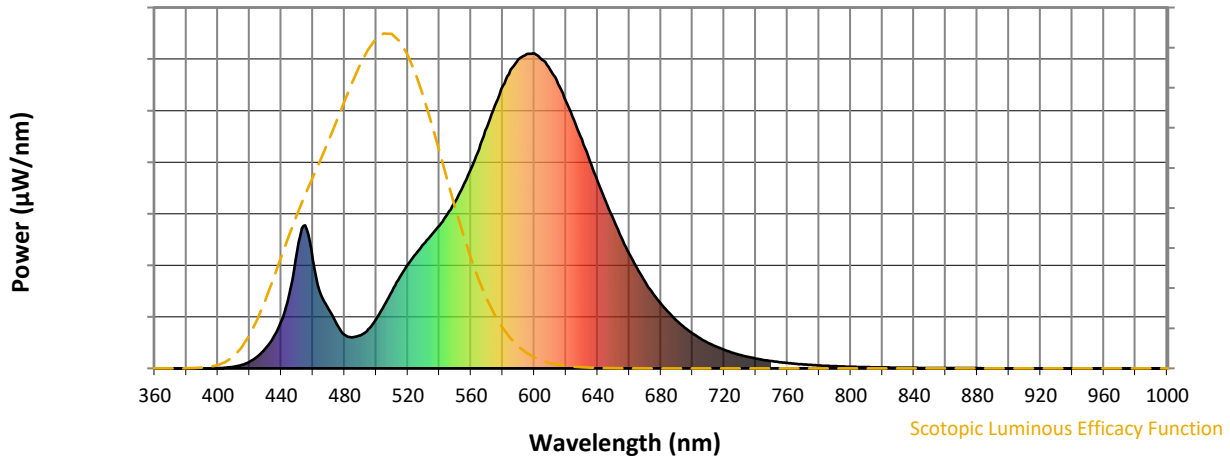


Photopic Lumens: NR

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



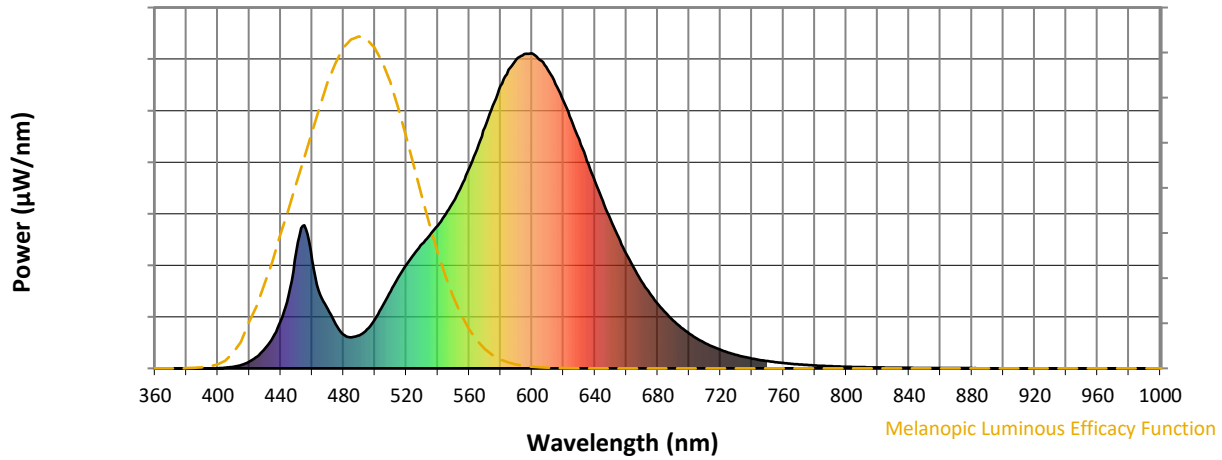
Scotopic Lumens: NR

S/P: 1.12

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.03

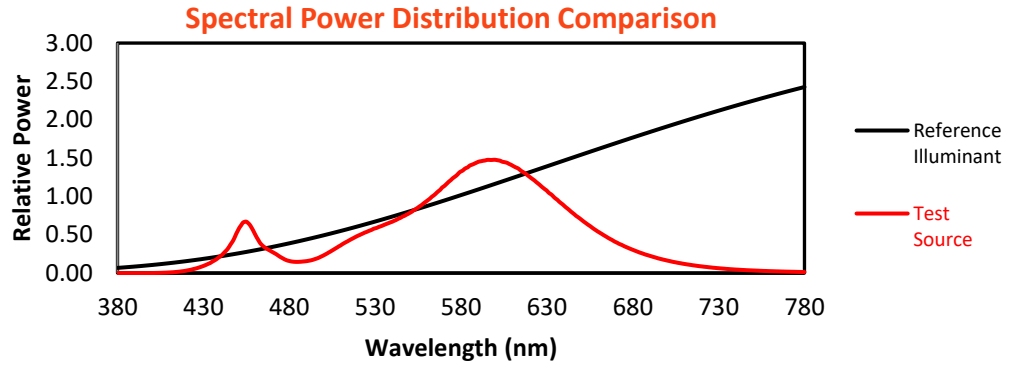
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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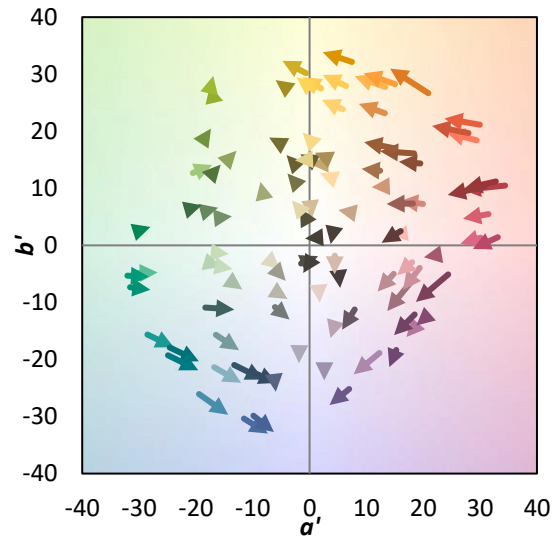
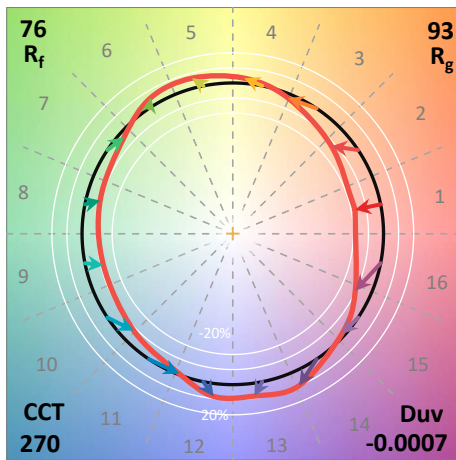
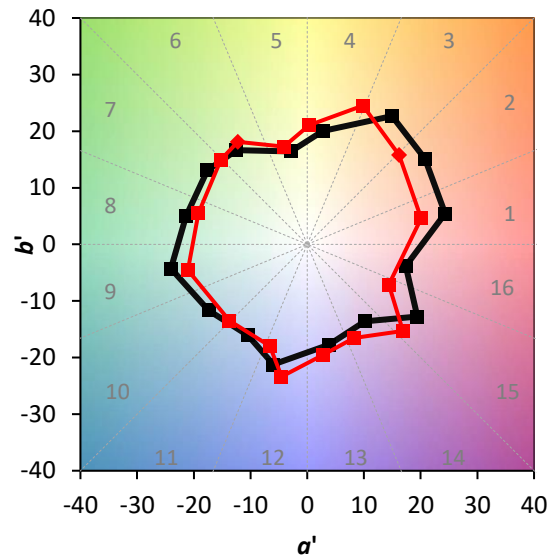
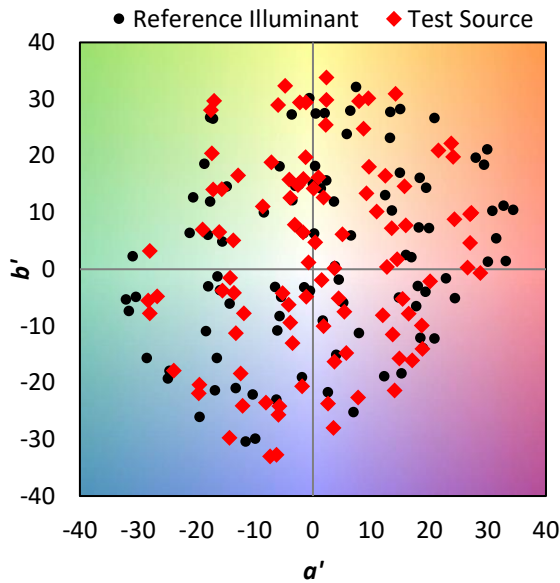
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Summary

$R_f = 75.5$
 $R_g = 92.5$
 CIE $R_a = 71.3$
 $R_9 = -34.9$



Color Vector Graphics



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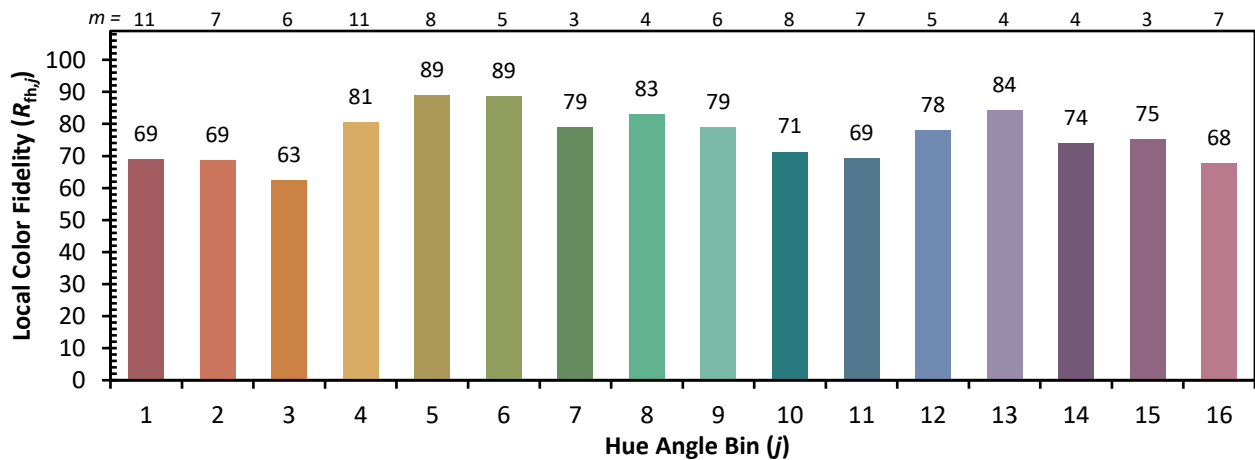
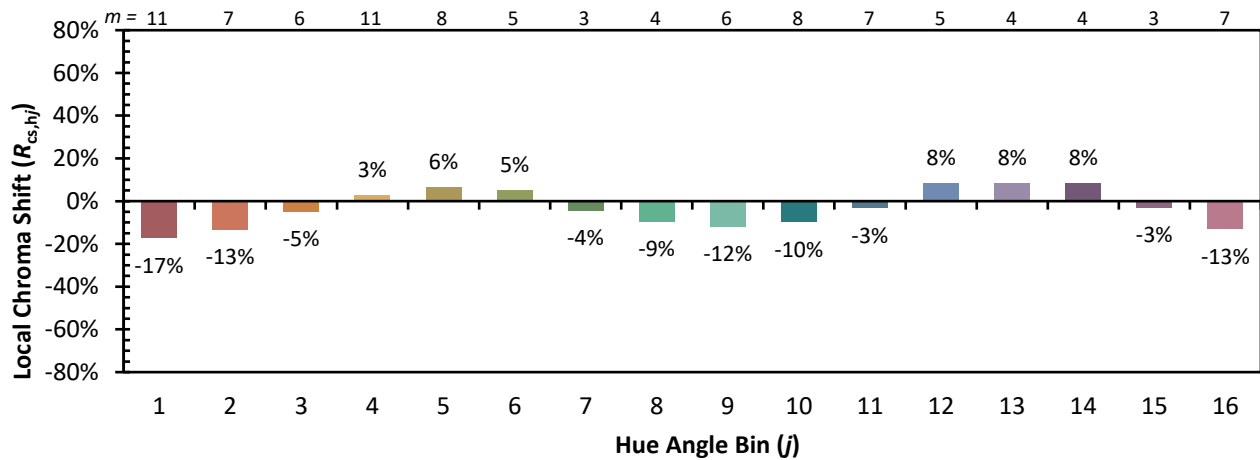
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 69	CES51 = 86	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 83	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 77	CES78 = 68
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 50	CES30 = 90	CES55 = 83	CES80 = 85
CES06 = 52	CES31 = 77	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 68	CES57 = 73	CES82 = 93
CES08 = 41	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 80	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 89	CES85 = 71
CES11 = 60	CES36 = 90	CES61 = 80	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 87	CES87 = 77
CES13 = 43	CES38 = 99	CES63 = 78	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 65
CES15 = 72	CES40 = 94	CES65 = 66	CES90 = 81
CES16 = 48	CES41 = 96	CES66 = 60	CES91 = 78
CES17 = 51	CES42 = 90	CES67 = 58	CES92 = 54
CES18 = 57	CES43 = 80	CES68 = 66	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 82	CES71 = 60	CES96 = 76
CES22 = 80	CES47 = 90	CES72 = 86	CES97 = 80
CES23 = 92	CES48 = 75	CES73 = 57	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 92	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



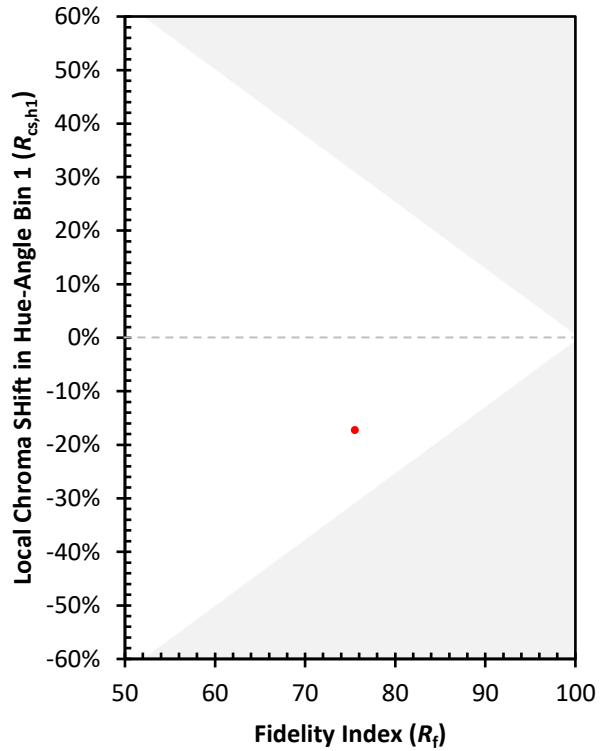
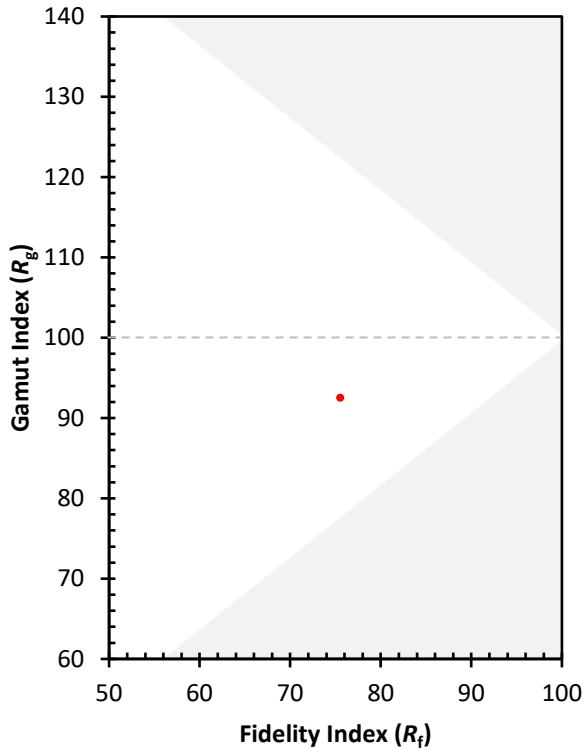
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)