

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: P856401

Luminaire Tested: **FFX-CLB-70-740-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856401
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-70-740-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

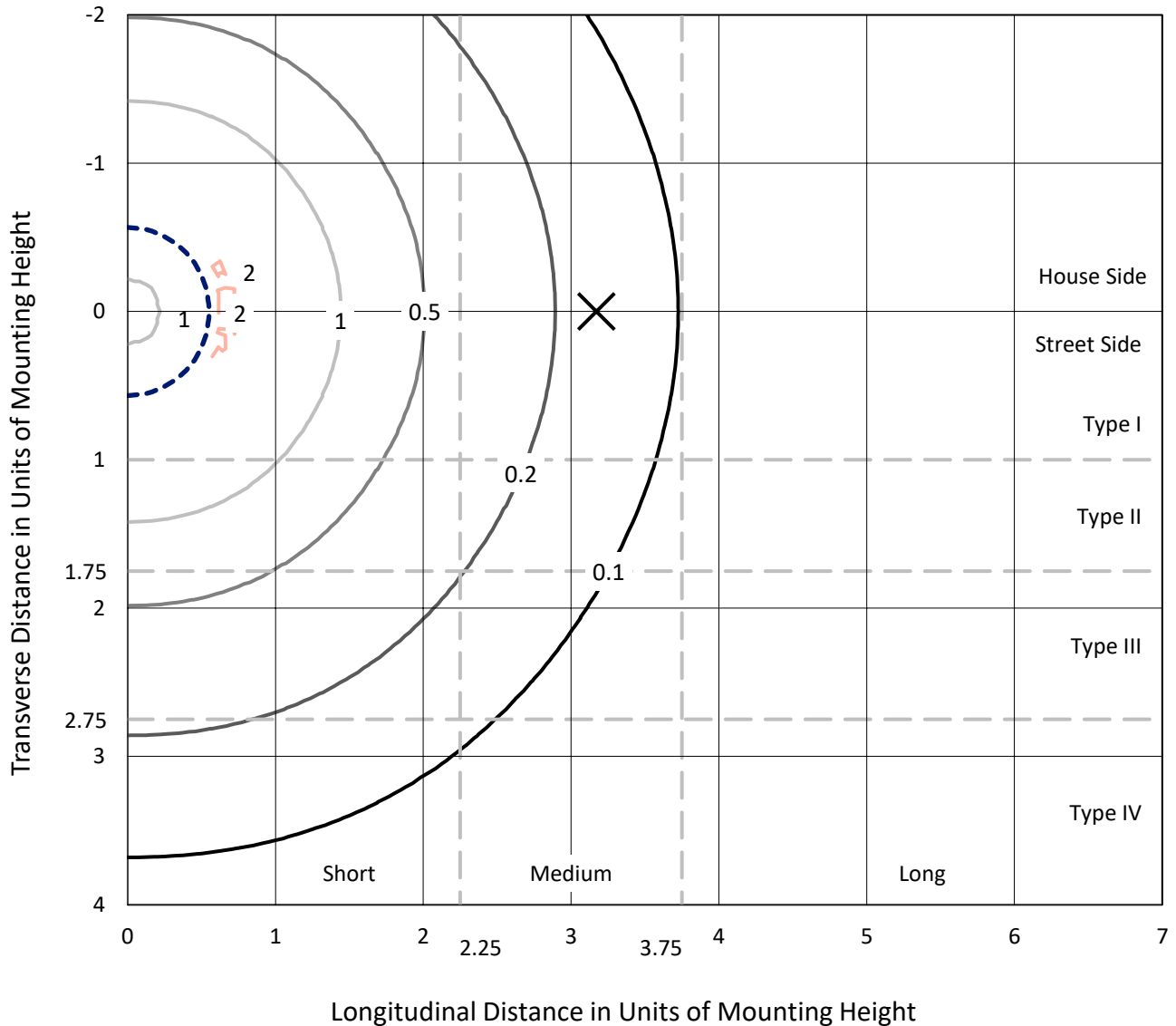
Lumens per Lamp: N/A
Luminaire Lumens: 11406 lumens
Efficiency: N/A
Efficacy: 162.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

Input Watts (W): 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

REPORT NUMBER: P856401
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Iso-Footcandle Lines of Horizontal Illumination

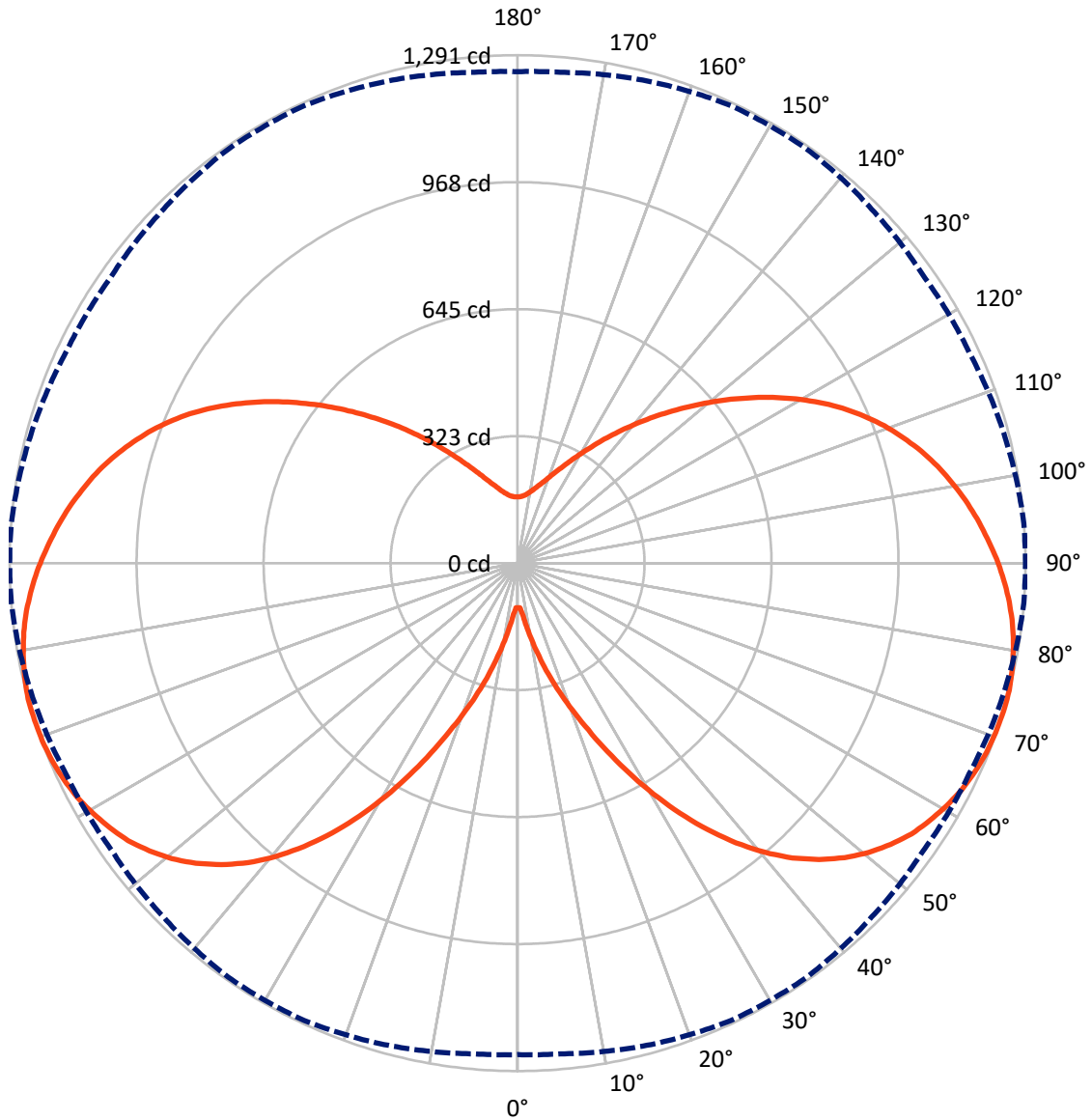
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

REPORT NUMBER: P856401
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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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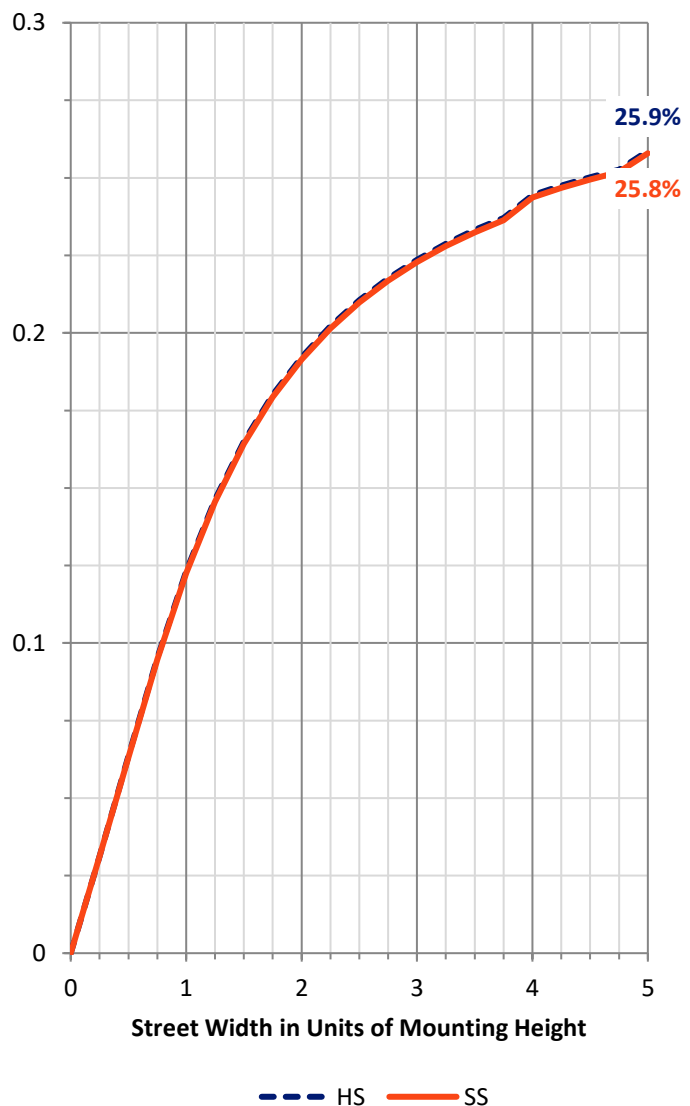
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3340.7	2362.3	5703.0
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	3340.7	2362.3	5703.0
	% Fixture	29.3	20.7	50.0
Total	Lumens	6681.4	4724.6	11406.0
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.1
10°-20°	85.6	0.8
20°-30°	247.3	2.2
30°-40°	514.3	4.5
40°-50°	816.1	7.2
50°-60°	1071.4	9.4
60°-70°	1249.2	11.0
70°-80°	1341.8	11.8
80°-90°	1341.2	11.8
90°-100°	1255.4	11.0
100°-110°	1101.5	9.7
110°-120°	885.9	7.8
120°-130°	636.3	5.6
130°-140°	408.9	3.6
140°-150°	237.3	2.1
150°-160°	124.6	1.1
160°-170°	58.0	0.5
170°-180°	16.7	0.1
0°-90°	6681.4	58.6
0°-180°	11406.0	100.0

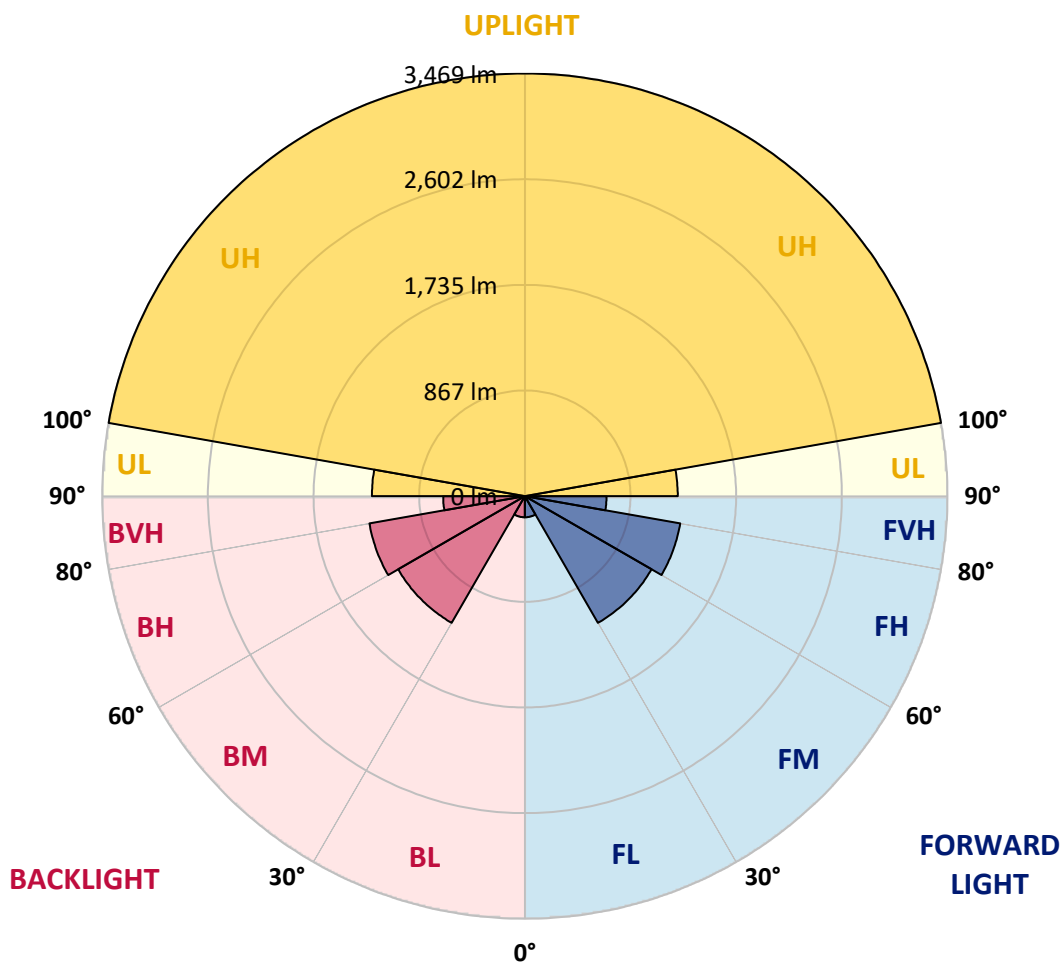


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.7	1.5			
FM (30°-60°)	1200.9	10.5			
FH (60°-80°)	1295.5	11.4			G1/1800
FVH (80°-90°)	670.6	5.9			G4/750
BL (0°-30°)	173.7	1.5	B1/500		
BM (30°-60°)	1200.9	10.5	B2/2500		
BH (60°-80°)	1295.5	11.4	B3/2500		G1/1800
BVH (80°-90°)	670.6	5.9			G4/750
UL (90°-100°)	1255.4	11.0		U5	
UH (100°-180°)	3469.2	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°	113.1	113.1	113.1	113.1	113.1	113.1	113.1	113.1	113.1	113.1	113.1
2.5°	117.5	117.5	116.7	116.7	116.0	115.3	115.3	114.5	113.8	113.8	113.8
5°	130.7	130.0	130.0	130.0	130.0	129.2	130.0	129.2	129.2	129.2	130.0
7.5°	159.3	158.6	158.6	158.6	159.3	159.3	160.1	160.8	161.5	161.5	161.5
10°	196.8	196.0	196.0	195.3	196.8	196.8	197.5	196.0	198.2	198.2	199.0
12.5°	240.8	240.1	240.1	239.3	240.8	240.1	241.5	240.1	243.7	242.3	242.3
15°	288.5	288.5	287.8	287.1	289.3	289.3	290.7	290.7	292.9	291.5	292.2
17.5°	339.2	338.5	338.5	337.7	339.9	339.9	339.9	341.4	344.3	341.4	343.6
20°	393.5	392.8	392.8	392.1	394.3	394.3	395.7	396.5	399.4	397.2	398.7
22.5°	452.3	451.5	451.5	451.5	454.5	455.2	455.2	457.4	461.1	457.4	460.3
25°	517.6	516.9	516.9	519.1	521.3	522.0	523.5	526.4	530.1	526.4	530.1
27.5°	587.3	586.6	588.1	591.0	593.2	594.7	596.9	597.6	602.8	599.1	604.2
30°	659.3	658.6	660.0	663.7	666.6	671.0	671.0	673.2	680.6	675.4	680.6
32.5°	730.5	729.8	732.0	736.4	740.8	745.2	745.9	748.9	756.2	752.5	757.7
35°	801.0	800.3	803.2	809.1	813.5	817.9	819.4	822.3	830.4	826.7	831.8
37.5°	867.8	867.8	870.7	877.4	882.5	888.4	887.6	891.3	898.6	896.4	901.6
40°	930.2	930.2	933.9	942.0	947.8	951.5	950.8	954.4	962.5	961.8	966.2
42.5°	986.7	986.7	991.9	1000.0	1005.8	1008.0	1008.0	1011.7	1020.5	1019.8	1024.2
45°	1034.5	1036.7	1042.5	1051.4	1056.5	1058.7	1057.2	1060.9	1070.4	1070.4	1074.1
47.5°	1078.5	1081.5	1087.3	1096.1	1099.8	1102.0	1100.5	1103.5	1113.0	1114.5	1118.2
50°	1116.7	1118.9	1126.2	1135.8	1139.5	1139.5	1137.3	1140.2	1150.5	1153.4	1156.3
52.5°	1149.7	1151.9	1160.0	1170.3	1172.5	1171.8	1168.8	1171.8	1182.0	1185.0	1187.2
55°	1176.2	1178.4	1187.9	1198.2	1200.4	1198.2	1193.8	1197.5	1207.0	1211.4	1215.1
57.5°	1197.5	1199.7	1210.7	1220.9	1223.2	1218.7	1213.6	1217.3	1228.3	1233.4	1234.9
60°	1215.1	1217.3	1229.0	1240.0	1241.5	1236.4	1230.5	1234.2	1245.2	1251.1	1252.5
62.5°	1229.0	1231.2	1243.7	1256.2	1256.9	1250.3	1243.7	1247.4	1258.4	1265.0	1267.2
65°	1238.6	1240.8	1254.7	1267.2	1268.7	1260.6	1254.0	1257.7	1267.9	1276.0	1277.5
67.5°	1245.2	1247.4	1262.8	1276.0	1276.7	1267.9	1260.6	1263.5	1275.3	1283.4	1284.8
70°	1248.1	1250.3	1266.5	1280.4	1281.2	1271.6	1262.8	1266.5	1278.2	1287.8	1289.2
72.5°	1248.8	1251.8	1268.7	1282.6	1283.4	1272.3	1263.5	1266.5	1278.9	1290.0	1290.7
75°	1245.9	1249.6	1267.2	1281.9	1281.9	1269.4	1259.9	1262.8	1276.7	1288.5	1290.7
77.5°	1242.2	1244.4	1262.8	1277.5	1276.7	1263.5	1252.5	1256.9	1270.9	1284.1	1285.6
80°	1234.2	1237.1	1255.5	1269.4	1267.9	1253.3	1243.0	1247.4	1262.1	1276.0	1277.5
82.5°	1223.9	1226.8	1245.2	1257.7	1256.2	1240.8	1230.5	1235.6	1251.1	1265.7	1267.2
85°	1211.4	1214.3	1232.0	1243.7	1241.5	1226.1	1215.8	1220.2	1237.1	1251.8	1253.3
87.5°	1195.3	1198.2	1215.8	1226.1	1223.9	1207.7	1198.9	1204.8	1220.2	1235.6	1236.4
90°	1176.9	1180.6	1196.0	1205.5	1202.6	1187.9	1179.8	1185.7	1201.1	1215.8	1217.3
92.5°	1158.5	1160.0	1174.7	1182.8	1180.6	1167.4	1160.0	1166.6	1180.6	1195.3	1195.3
95°	1136.5	1138.7	1151.9	1158.5	1156.3	1145.3	1138.7	1146.1	1158.5	1172.5	1173.2
97.5°	1113.0	1115.2	1126.2	1132.8	1130.6	1121.1	1116.7	1124.0	1135.0	1148.3	1149.0
100°	1088.1	1089.5	1099.1	1104.9	1102.7	1095.4	1092.5	1099.8	1110.1	1122.6	1122.6
102.5°	1060.2	1061.6	1069.0	1072.6	1071.9	1066.0	1066.0	1074.1	1082.2	1093.9	1095.4
105°	1030.8	1032.3	1037.4	1039.6	1038.9	1036.7	1038.1	1046.2	1052.8	1063.1	1064.6
107.5°	997.8	999.2	1002.2	1002.9	1002.9	1002.9	1008.0	1015.4	1022.7	1030.1	1030.8
110°	962.5	963.3	965.5	964.7	964.7	966.2	973.5	981.6	987.5	994.8	995.6



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 CATALOG NUMBER: FFX-CLB-70-740-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	924.3	925.1	926.5	923.6	924.3	927.3	936.8	945.6	949.3	956.6	956.6
115°	884.0	883.2	884.7	881.0	880.3	885.4	895.7	906.0	908.9	914.1	914.8
117.5°	839.9	840.6	839.9	835.5	834.8	842.1	851.7	861.2	864.9	870.7	869.3
120°	794.4	793.7	794.4	789.2	788.5	796.6	806.1	815.7	817.9	823.0	821.6
122.5°	748.1	747.4	746.7	741.5	741.5	748.1	759.9	769.4	768.0	773.8	773.1
125°	700.4	700.4	698.9	693.8	693.8	701.9	711.4	720.2	718.8	725.4	723.2
127.5°	653.4	653.4	652.0	647.6	647.6	654.9	663.7	672.5	670.3	676.2	674.0
130°	607.2	607.2	605.7	601.3	601.3	607.2	616.7	624.1	621.1	626.3	625.5
132.5°	563.1	562.4	561.7	557.2	558.0	563.9	571.2	577.8	574.9	580.7	578.5
135°	520.5	519.8	519.1	514.7	515.4	521.3	527.9	533.0	530.8	534.5	533.8
137.5°	480.2	479.4	478.7	475.0	475.8	480.2	486.8	491.2	488.2	493.4	491.2
140°	442.0	441.2	439.8	437.6	438.3	442.7	446.4	451.5	448.6	453.0	450.8
142.5°	405.3	405.3	403.8	401.6	402.3	406.7	409.7	413.3	410.4	414.1	412.6
145°	371.5	371.5	370.0	368.6	368.6	372.2	374.4	378.1	375.2	378.8	377.4
147.5°	340.7	340.7	339.2	337.7	337.7	341.4	342.9	345.8	342.9	345.8	344.3
150°	312.0	312.0	311.3	309.8	310.6	312.0	313.5	315.7	313.5	315.7	315.0
152.5°	287.1	287.1	286.3	285.6	284.9	287.1	287.8	290.0	287.8	290.0	288.5
155°	265.0	264.3	264.3	262.8	262.8	264.3	265.0	266.5	264.3	266.5	265.8
157.5°	245.2	245.2	244.5	243.7	243.7	244.5	245.2	246.0	244.5	246.7	245.2
160°	228.3	228.3	227.6	226.9	226.9	227.6	227.6	228.3	226.9	228.3	227.6
162.5°	213.6	213.6	212.9	212.9	212.2	212.9	213.6	213.6	212.9	213.6	212.9
165°	201.9	201.9	201.2	200.4	200.4	201.2	201.2	201.9	200.4	201.2	201.2
167.5°	190.9	190.9	190.9	190.2	189.4	190.2	190.2	190.2	189.4	190.2	190.2
170°	182.8	182.8	182.8	182.1	181.3	182.1	182.1	182.1	181.3	182.1	182.1
172.5°	176.2	176.2	176.2	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.5
175°	171.8	171.8	171.8	171.8	171.1	171.8	171.8	171.8	171.8	171.8	171.1
177.5°	169.6	168.9	168.9	168.9	168.9	168.9	168.9	168.9	168.9	168.9	168.9
180°	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-1

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5.

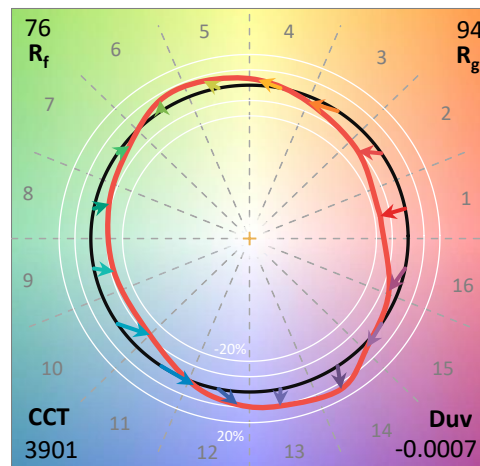
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-1
 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-100-740-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3901
 CIE u': 0.2273
 CIE v': 0.5026
 Duv: -0.0007
 CIE x: 0.3844
 CIE y: 0.3776
 CIE z: 0.2380
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 579
 Purity: 28.6799
 Rf: 76.2
 Rg: 94.4

CRI (Ra):	74.5		
R1:	71.8	R9:	-23.4
R2:	81.9	R10:	56.6
R3:	89.3	R11:	68.4
R4:	72.6	R12:	46.6
R5:	71.3	R13:	73.7
R6:	74.0	R14:	93.9
R7:	81.5	R15:	65.1
R8:	53.3		



Test Conditions

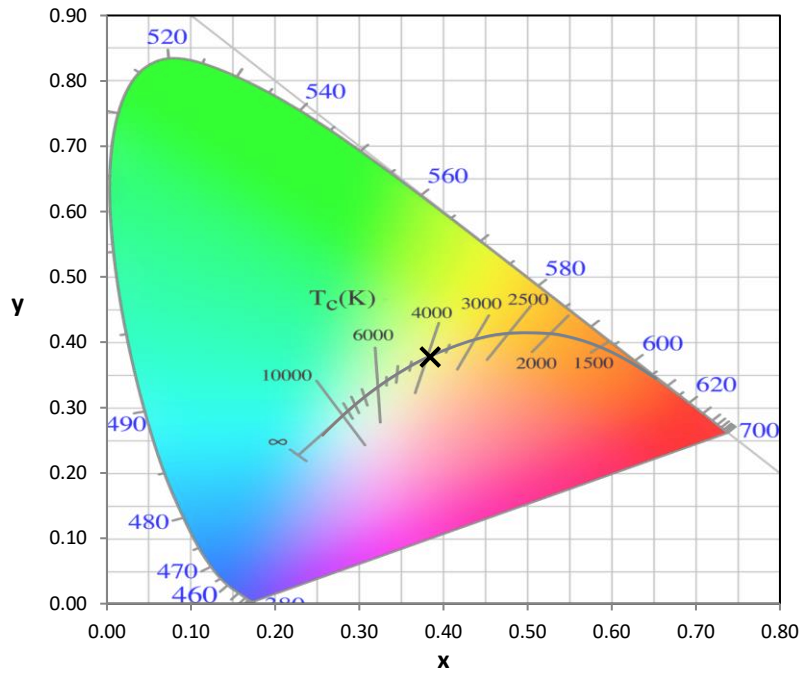
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

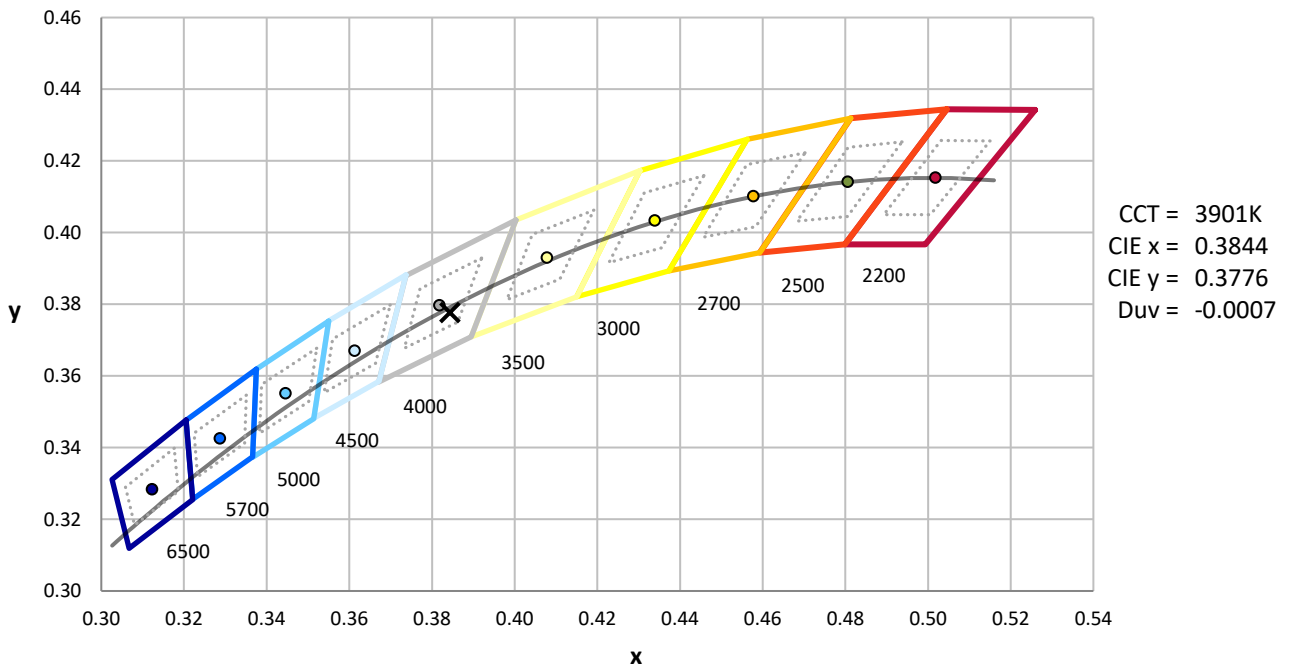
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

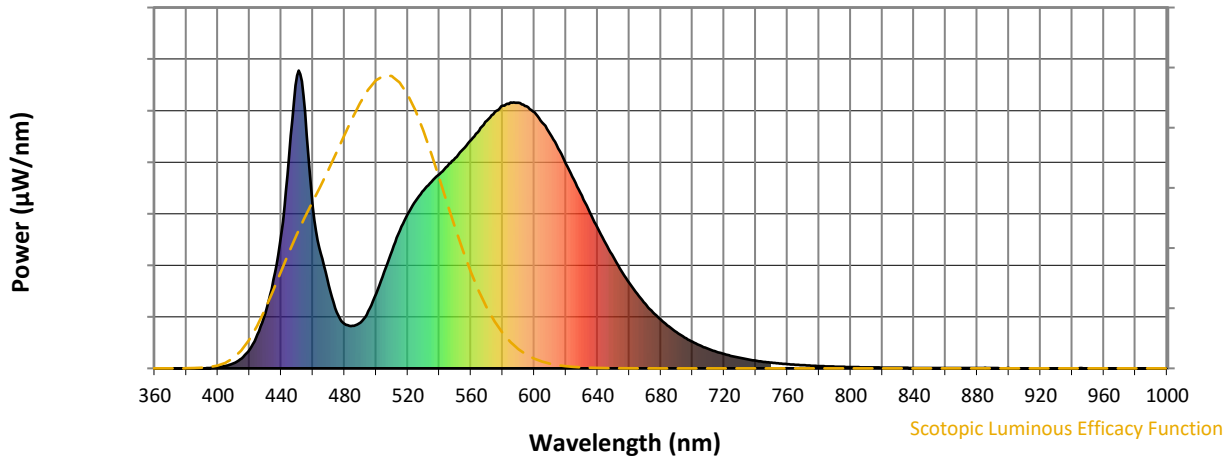


Photopic Lumens: NR

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.53

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.04

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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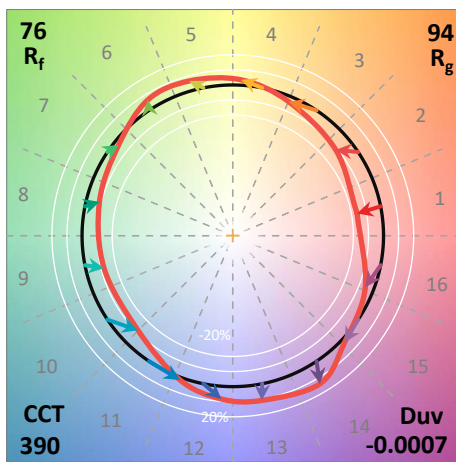
TM-30-18

Summary

$R_f = 76.2$
 $R_g = 94.4$
 CIE $R_a = 74.5$
 $R_g = -23.4$



Color Vector Graphics

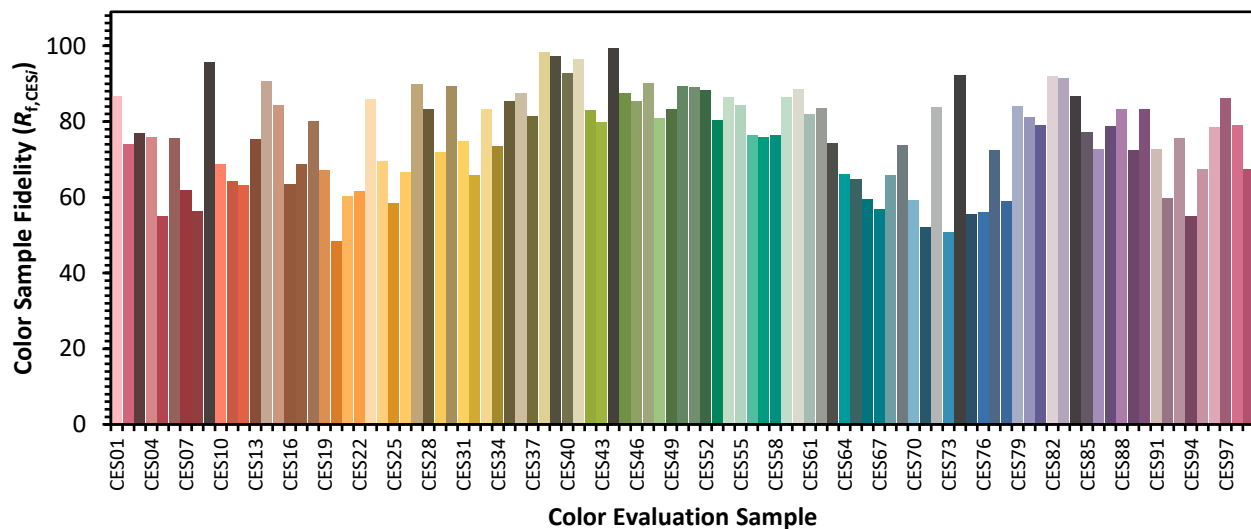


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Individual Sample Fidelity Index ($R_{f,i}$)

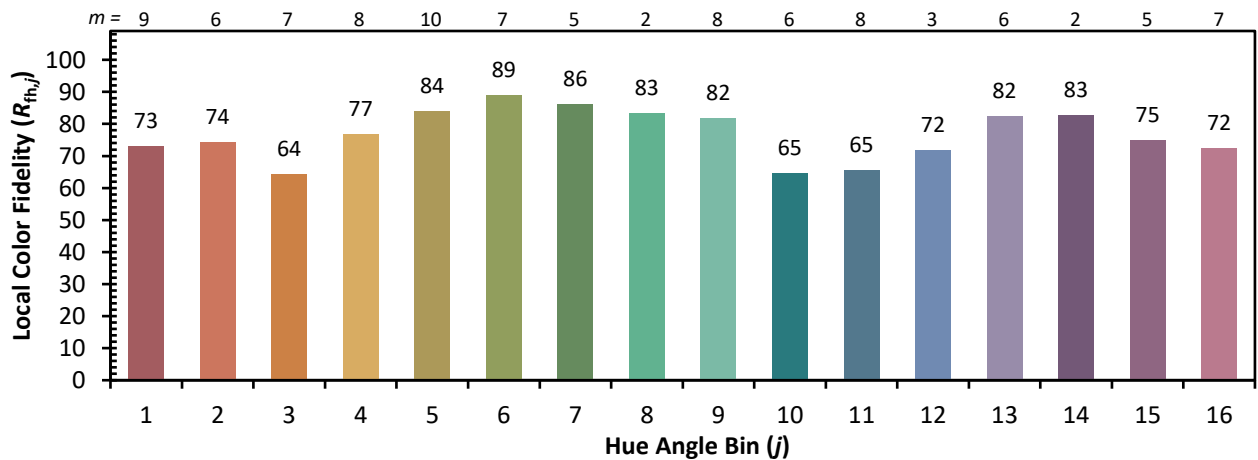
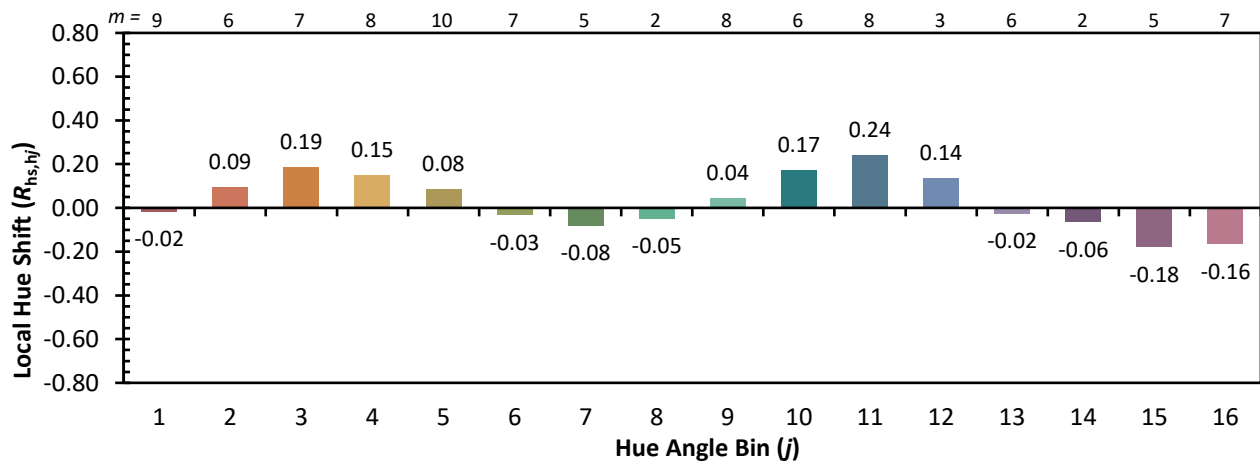
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
CES25 = 72	CES50 = 89	CES75 = 56	



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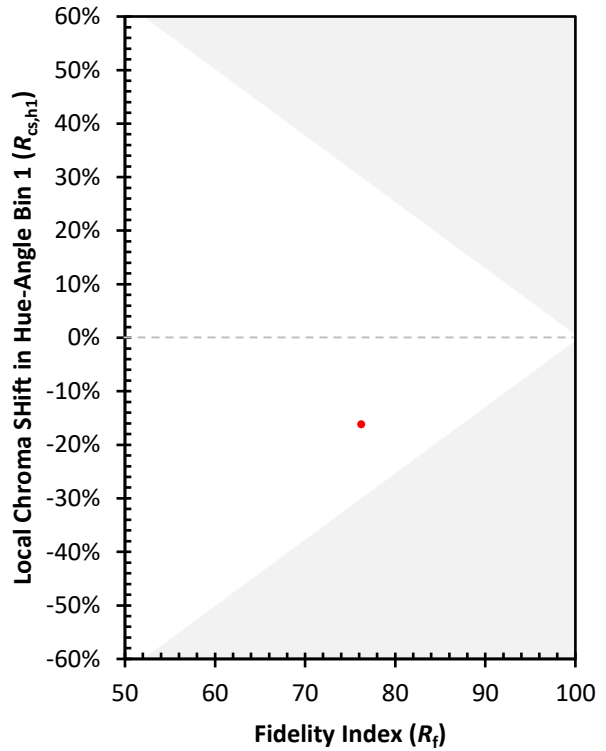
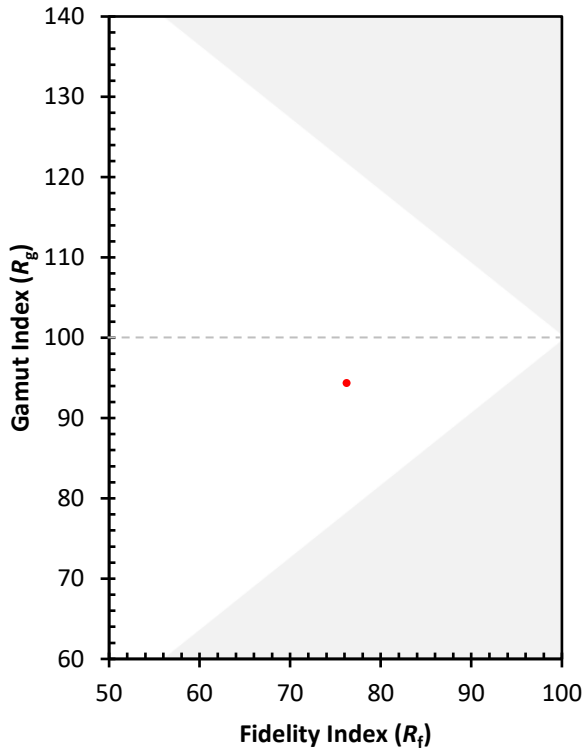
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)