

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: P856347

Luminaire Tested: **FFX-CLB-70-730-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856347
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-70-730-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

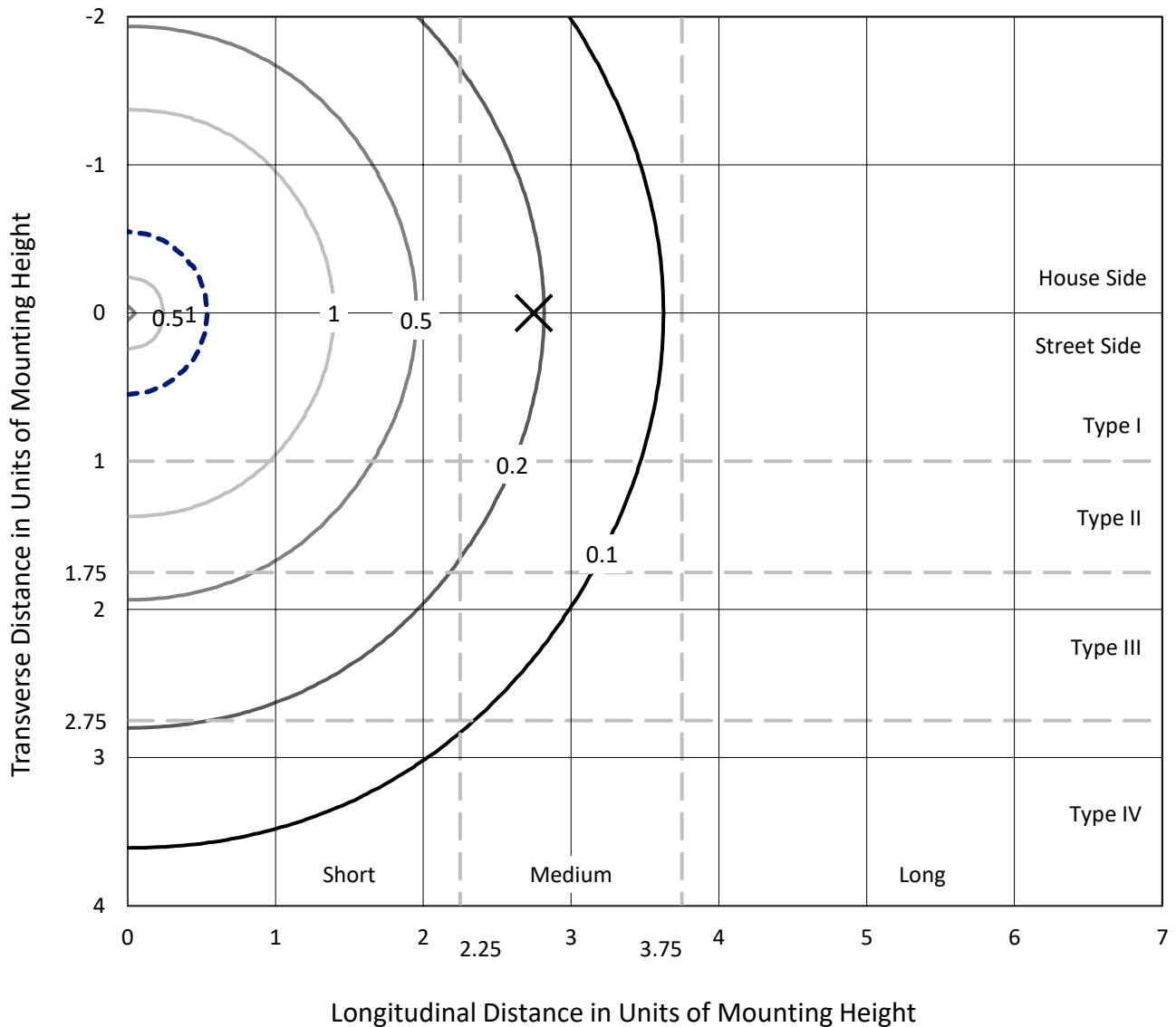
Lumens per Lamp: N/A
Luminaire Lumens: 11087.4 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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

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Iso-Footcandle Lines of Horizontal Illumination

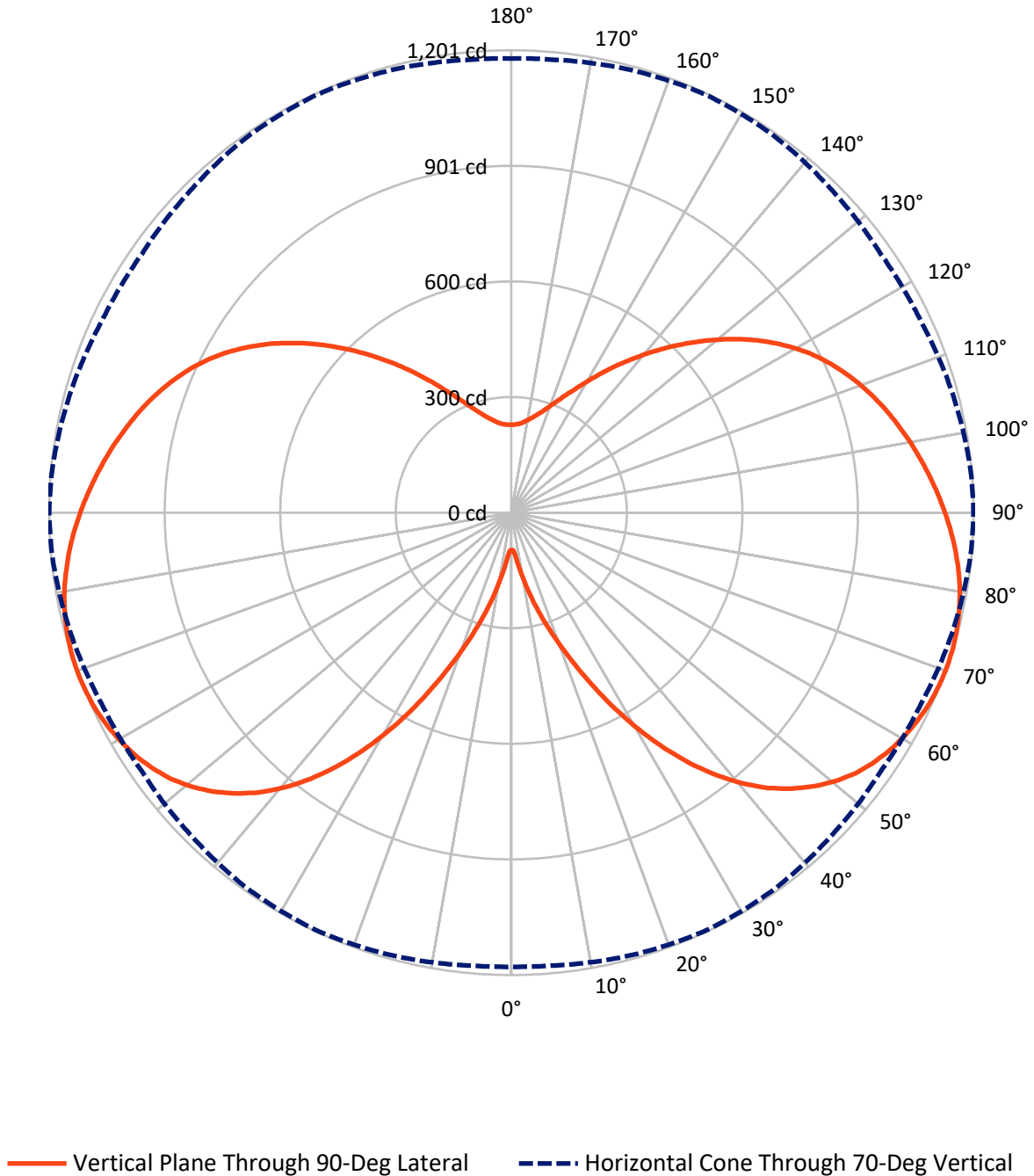
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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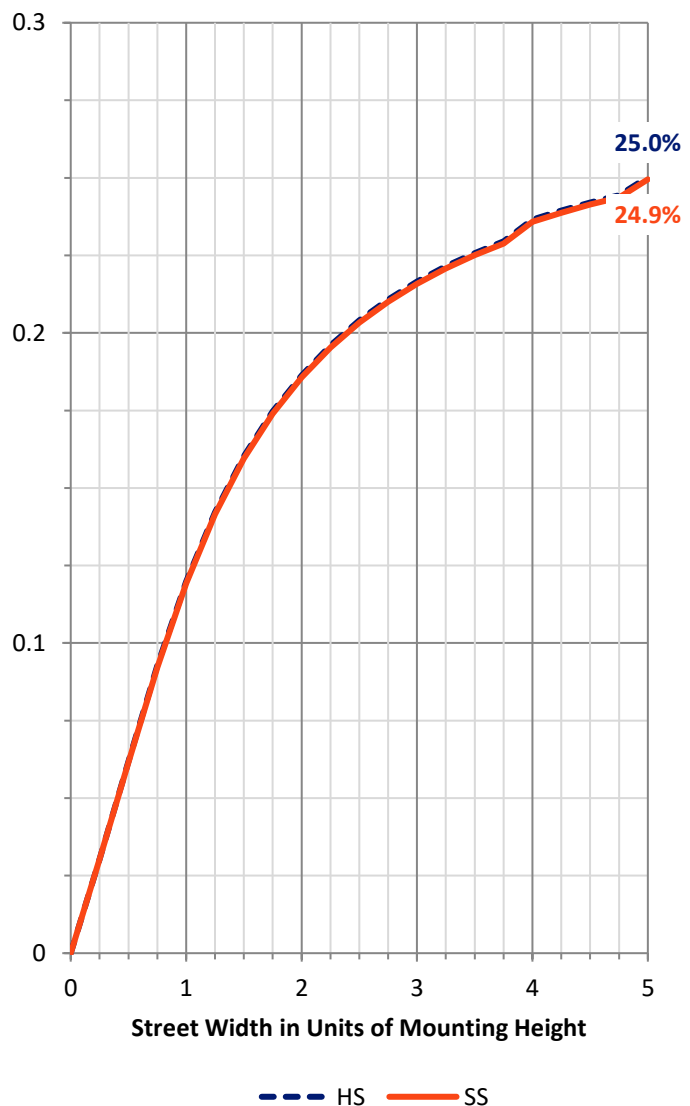
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3139.8	2403.8	5543.7
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	3139.8	2403.8	5543.7
	% Fixture	28.3	21.7	50.0
Total	Lumens	6279.7	4807.7	11087.4
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.1
10°-20°	79.4	0.7
20°-30°	236.8	2.1
30°-40°	495.2	4.5
40°-50°	777.2	7.0
50°-60°	1008.8	9.1
60°-70°	1167.8	10.5
70°-80°	1250.2	11.3
80°-90°	1251.2	11.3
90°-100°	1180.0	10.6
100°-110°	1055.8	9.5
110°-120°	887.7	8.0
120°-130°	680.9	6.1
130°-140°	465.9	4.2
140°-150°	284.3	2.6
150°-160°	155.4	1.4
160°-170°	75.3	0.7
170°-180°	22.4	0.2
0°-90°	6279.7	56.6
0°-180°	11087.4	100.0

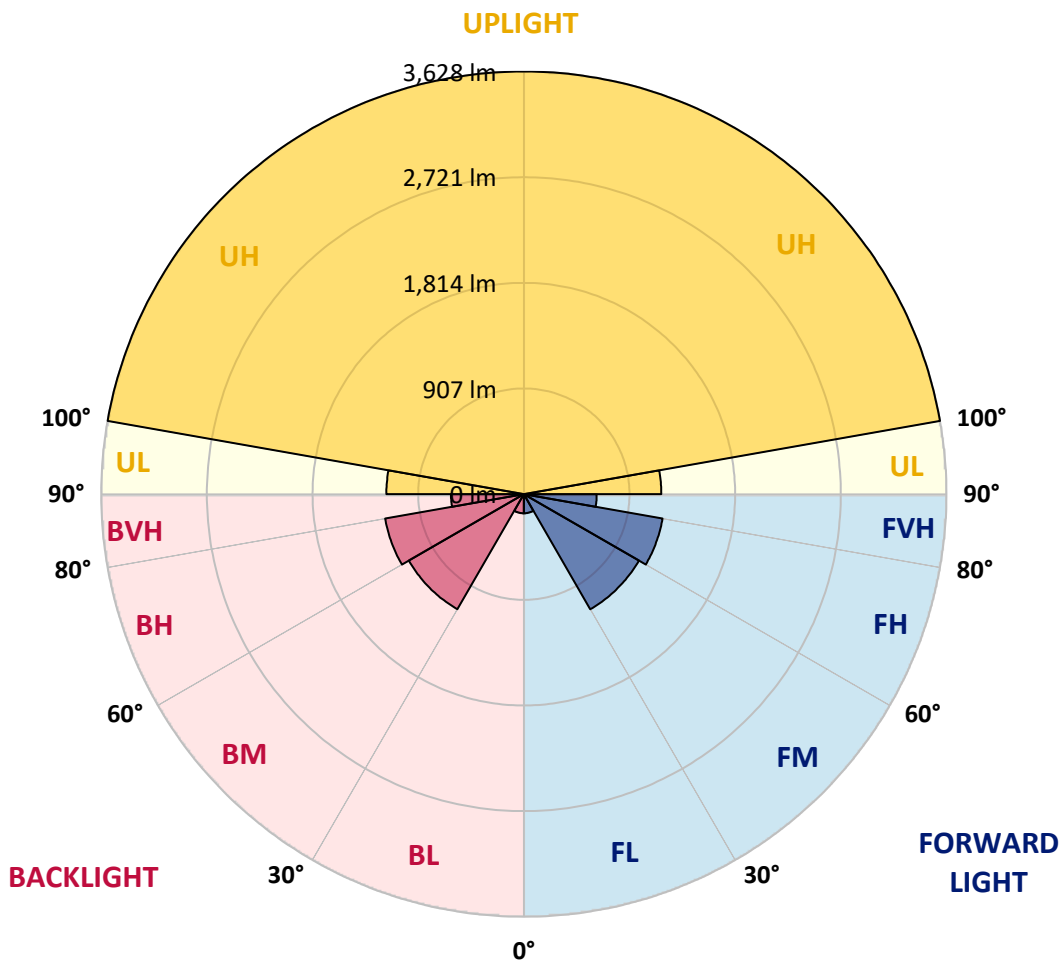


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.6	1.5			
FM (30°-60°)	1140.6	10.3			
FH (60°-80°)	1209.0	10.9			G1/1800
FVH (80°-90°)	625.6	5.6			G4/750
BL (0°-30°)	164.6	1.5	B1/500		
BM (30°-60°)	1140.6	10.3	B2/2500		
BH (60°-80°)	1209.0	10.9	B3/2500		G1/1800
BVH (80°-90°)	625.6	5.6			G4/750
UL (90°-100°)	1180.0	10.6		U5	
UH (100°-180°)	3627.7	32.7		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°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	101.6	101.6	100.9	100.9	100.2	99.5	99.5	99.5	98.8	98.8	98.1
5°	115.8	115.1	115.1	114.4	115.1	114.4	114.4	114.4	114.4	113.0	113.0
7.5°	143.5	142.8	142.8	142.1	143.5	142.1	142.1	142.8	142.8	142.1	142.1
10°	179.8	179.1	179.1	177.6	179.1	178.4	178.4	176.9	177.6	176.9	177.6
12.5°	223.1	221.0	221.0	220.3	221.7	221.0	220.3	218.9	220.3	219.6	219.6
15°	267.9	268.6	267.9	267.2	268.6	268.6	267.9	266.5	267.9	266.5	267.2
17.5°	317.6	317.6	317.6	315.5	317.6	318.3	317.6	316.2	316.9	317.6	317.6
20°	371.6	371.6	372.3	370.9	374.5	372.3	371.6	370.9	371.6	372.3	373.1
22.5°	431.3	431.3	432.0	431.3	433.5	433.5	432.7	432.7	433.5	434.9	434.9
25°	497.4	498.1	498.1	496.0	501.0	502.4	501.0	501.0	502.4	504.5	504.5
27.5°	565.6	568.5	567.0	567.0	573.4	574.1	573.4	574.1	576.3	578.4	579.1
30°	636.0	638.1	640.9	638.8	645.9	646.6	647.3	648.0	650.9	654.4	654.4
32.5°	706.3	708.4	709.9	709.9	719.1	718.4	717.7	720.5	724.8	726.2	728.3
35°	776.7	776.7	778.1	778.8	788.0	787.3	788.7	790.9	795.1	798.0	799.4
37.5°	839.9	838.5	842.0	843.5	850.6	851.3	852.0	855.5	860.5	864.1	865.5
40°	897.5	896.0	900.3	902.4	908.8	908.8	910.2	914.5	920.2	923.7	924.5
42.5°	948.6	947.9	952.2	955.0	961.4	960.7	960.0	965.7	972.1	976.3	977.8
45°	992.7	992.0	997.6	1001.2	1006.2	1004.8	1004.8	1009.7	1016.8	1021.8	1022.5
47.5°	1030.3	1030.3	1036.7	1041.0	1045.3	1043.1	1041.7	1046.7	1053.8	1060.9	1061.6
50°	1063.7	1063.0	1070.1	1075.1	1078.7	1075.8	1073.7	1078.7	1086.5	1093.6	1095.0
52.5°	1090.0	1091.4	1098.6	1104.9	1107.8	1103.5	1100.0	1104.9	1113.5	1121.3	1122.7
55°	1112.8	1113.5	1121.3	1129.1	1130.5	1124.8	1120.6	1124.8	1134.1	1142.6	1144.0
57.5°	1130.5	1131.9	1141.2	1148.3	1149.0	1142.6	1137.6	1141.2	1151.1	1159.7	1161.8
60°	1146.2	1147.6	1156.1	1163.9	1164.6	1156.8	1150.4	1153.3	1163.9	1173.9	1175.3
62.5°	1158.2	1160.4	1169.6	1176.7	1176.7	1167.5	1159.7	1162.5	1173.9	1184.5	1186.0
65°	1168.2	1170.3	1179.6	1186.7	1186.0	1175.3	1166.8	1169.6	1181.7	1192.3	1194.5
67.5°	1175.3	1176.7	1186.7	1193.8	1190.9	1179.6	1171.0	1173.2	1186.0	1196.6	1198.7
70°	1179.6	1181.0	1190.9	1197.3	1193.1	1181.0	1171.7	1174.6	1187.4	1198.7	1200.9
72.5°	1181.7	1183.8	1193.1	1198.7	1193.8	1180.3	1170.3	1173.9	1186.7	1198.7	1200.2
75°	1181.0	1182.4	1191.6	1196.6	1190.2	1177.4	1166.8	1170.3	1183.8	1194.5	1196.6
77.5°	1177.4	1178.8	1187.4	1191.6	1183.8	1171.0	1161.1	1164.6	1177.4	1188.1	1190.2
80°	1171.7	1173.2	1181.0	1183.8	1176.0	1163.2	1154.0	1157.5	1169.6	1179.6	1181.7
82.5°	1162.5	1164.6	1171.7	1173.2	1164.6	1153.3	1144.0	1147.6	1158.9	1168.2	1169.6
85°	1151.1	1152.6	1158.9	1159.7	1151.1	1141.2	1133.4	1136.9	1146.9	1154.0	1156.1
87.5°	1138.3	1138.3	1144.7	1144.7	1135.5	1126.3	1120.6	1123.4	1132.7	1138.3	1140.5
90°	1122.7	1123.4	1127.7	1127.0	1118.4	1110.6	1105.7	1109.2	1117.0	1122.0	1123.4
92.5°	1105.7	1106.4	1109.9	1108.5	1100.0	1093.6	1089.3	1093.6	1100.7	1104.2	1105.7
95°	1087.2	1087.9	1090.7	1087.9	1080.1	1075.1	1071.5	1076.5	1082.2	1085.8	1087.2
97.5°	1068.0	1068.7	1070.8	1068.0	1059.5	1055.2	1053.8	1058.0	1063.7	1066.6	1068.0
100°	1048.1	1048.1	1049.5	1045.3	1038.2	1034.6	1033.9	1038.9	1044.5	1047.4	1048.8
102.5°	1026.1	1026.8	1026.8	1022.5	1015.4	1013.3	1013.3	1019.0	1024.7	1026.8	1028.2
105°	1003.3	1003.3	1003.3	999.8	992.0	990.5	991.3	996.9	1003.3	1006.2	1007.6
107.5°	978.5	979.2	977.8	974.2	967.8	966.4	967.8	975.6	981.3	984.1	985.6
110°	952.2	952.9	952.2	947.9	942.2	941.5	943.6	951.5	957.1	960.0	962.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	924.5	925.2	924.5	920.9	915.2	915.2	918.1	925.9	932.3	934.4	936.5
115°	895.3	896.0	894.6	891.8	886.1	887.5	890.4	898.2	904.6	906.7	909.5
117.5°	864.1	864.8	864.1	860.5	855.5	857.0	861.2	869.0	874.7	876.9	879.7
120°	830.0	830.0	830.0	826.4	821.4	824.3	828.5	837.1	842.0	843.5	846.3
122.5°	795.1	793.7	793.7	791.6	785.9	789.4	793.7	802.2	807.2	807.9	810.1
125°	756.8	757.5	755.3	753.9	748.9	753.2	756.8	765.3	769.6	770.3	772.4
127.5°	715.5	717.7	715.5	713.4	709.9	714.1	718.4	726.2	729.8	730.5	731.9
130°	677.2	677.2	675.0	673.6	670.1	674.3	678.6	685.7	689.3	689.3	690.7
132.5°	638.8	636.7	636.0	634.5	630.3	635.3	638.1	645.2	648.0	647.3	648.8
135°	596.9	596.9	594.8	594.0	590.5	595.5	598.3	604.7	606.8	606.1	607.5
137.5°	557.8	557.8	556.4	555.0	552.8	557.1	559.9	564.9	567.0	564.9	567.0
140°	519.4	519.4	518.7	517.3	515.2	519.4	521.6	525.8	528.0	525.8	527.2
142.5°	483.9	482.5	481.8	481.1	478.2	482.5	483.9	488.2	488.9	487.5	489.6
145°	446.2	447.0	446.2	445.5	443.4	447.0	448.4	451.9	452.6	451.2	453.3
147.5°	415.0	412.8	413.6	412.8	410.7	414.3	415.0	417.1	418.5	417.1	418.5
150°	383.7	382.3	382.3	381.6	380.2	383.0	383.7	385.8	386.6	385.1	386.6
152.5°	356.0	355.3	355.3	354.6	353.2	355.3	356.0	357.4	358.1	356.7	357.4
155°	331.1	330.4	330.4	329.7	328.3	330.4	330.4	331.8	332.5	331.8	332.5
157.5°	309.1	308.4	308.4	308.4	307.0	308.4	308.4	309.8	309.8	309.1	309.8
160°	291.3	289.9	290.6	289.9	288.5	289.9	289.9	290.6	290.6	290.6	290.6
162.5°	275.0	275.0	275.0	274.3	273.6	274.3	274.3	275.0	275.0	275.0	274.3
165°	262.2	262.2	262.2	261.5	260.8	261.5	261.5	261.5	261.5	261.5	261.5
167.5°	251.5	250.8	251.5	250.8	250.1	250.8	250.8	250.8	250.8	250.8	250.8
170°	242.3	242.3	242.3	242.3	241.6	242.3	242.3	242.3	242.3	242.3	242.3
172.5°	236.6	235.9	235.9	235.9	235.2	235.9	235.2	235.9	235.2	235.9	235.2
175°	231.6	231.6	231.6	231.6	230.9	230.9	230.9	230.9	230.9	230.9	230.9
177.5°	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8
180°	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-4
 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-100-730-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3003
 CIE u': 0.2503
 CIE v': 0.5219
 Duv: 0.0004
 CIE x: 0.4373
 CIE y: 0.4053
 CIE z: 0.1573
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 52.93545
 Rf: 75.2
 Rg: 93.8

CRI (Ra):	71.9		
R1:	68.2	R9:	-33.7
R2:	82.2	R10:	59.0
R3:	93.9	R11:	62.4
R4:	67.6	R12:	48.5
R5:	67.2	R13:	70.8
R6:	75.3	R14:	96.6
R7:	77.6	R15:	60.0
R8:	43.1		



Test Conditions

Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-4

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 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

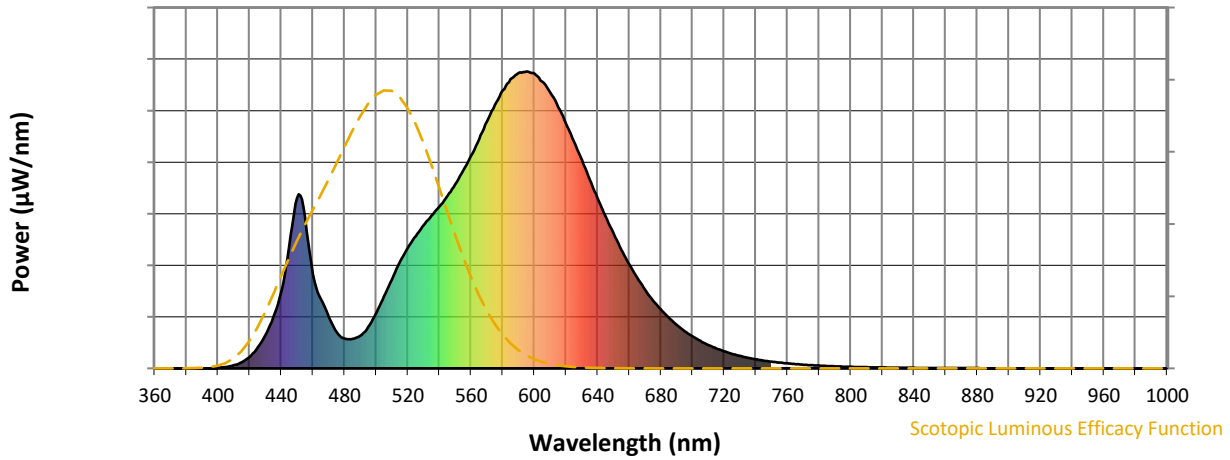


Photopic Lumens: NR

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

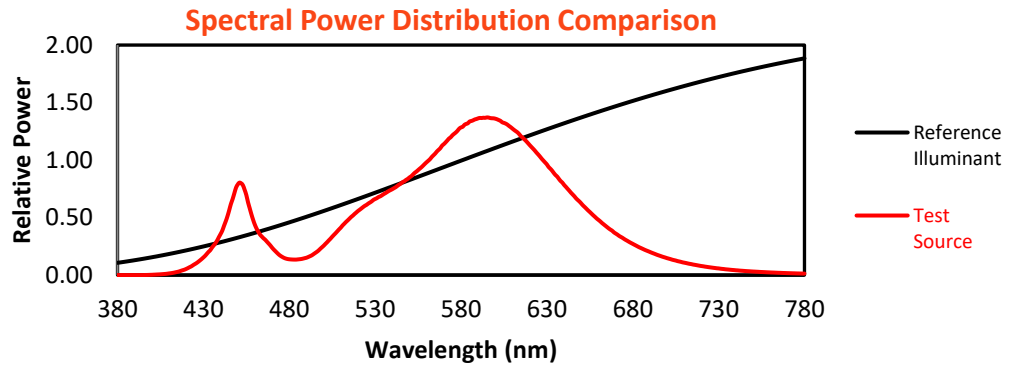
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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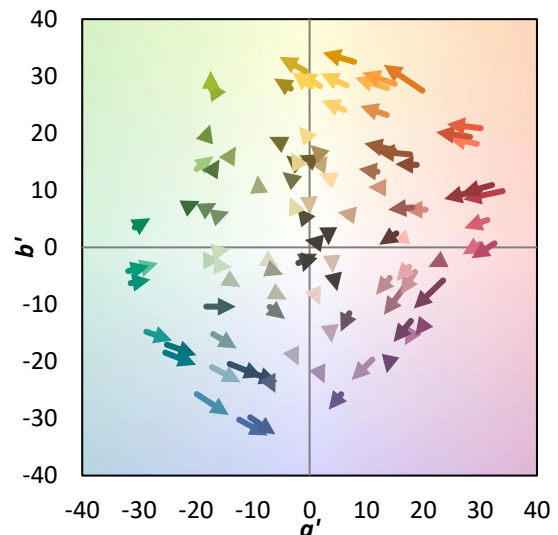
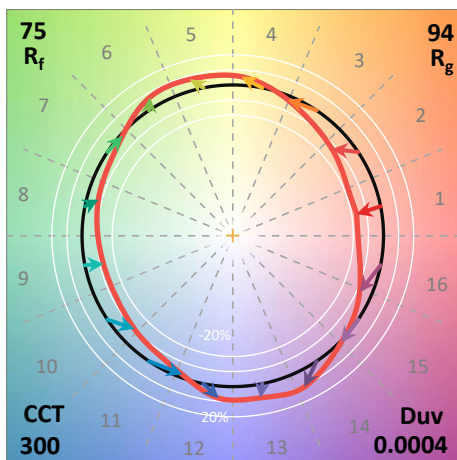
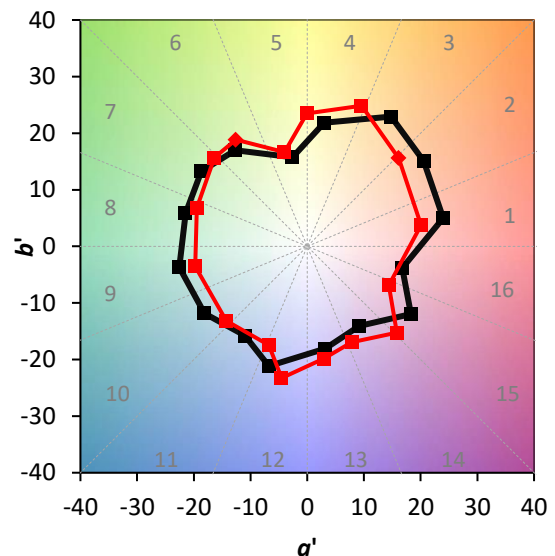
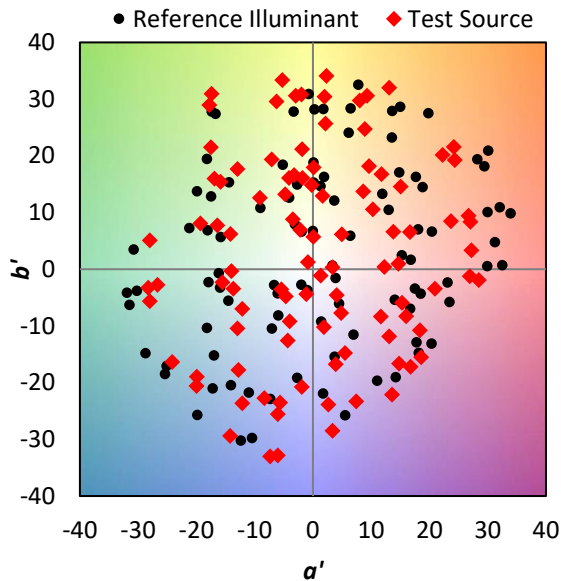
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Summary

$R_f = 75.2$
 $R_g = 93.8$
 CIE $R_a = 71.9$
 $R_g = -33.7$



Color Vector Graphics



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

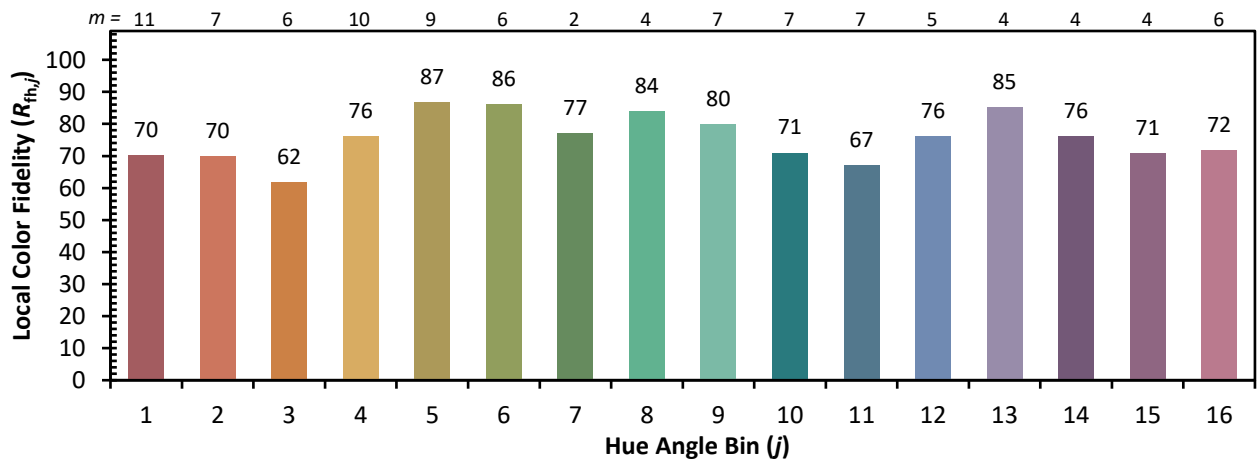
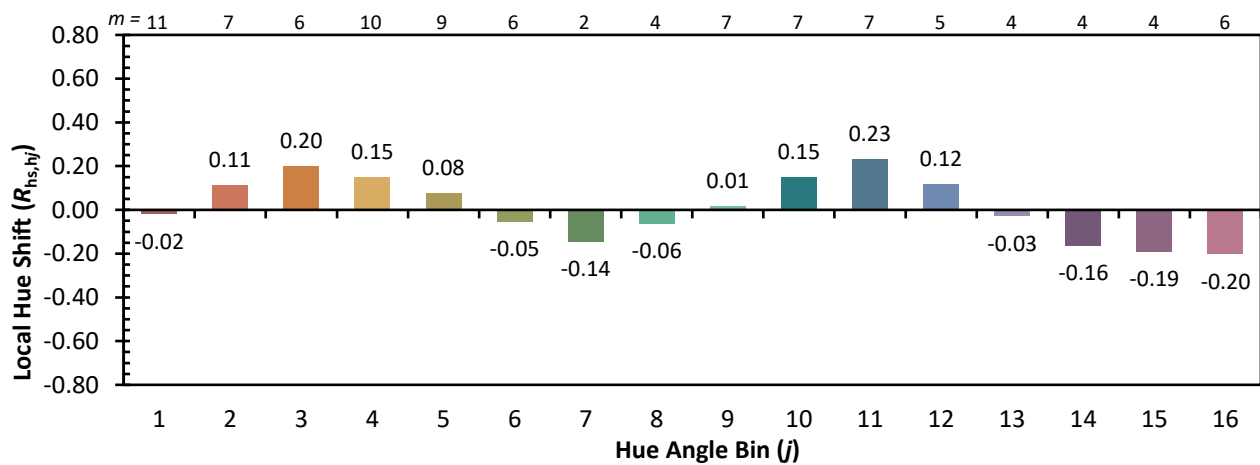
CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
CES25 = 73	CES50 = 86	CES75 = 61	



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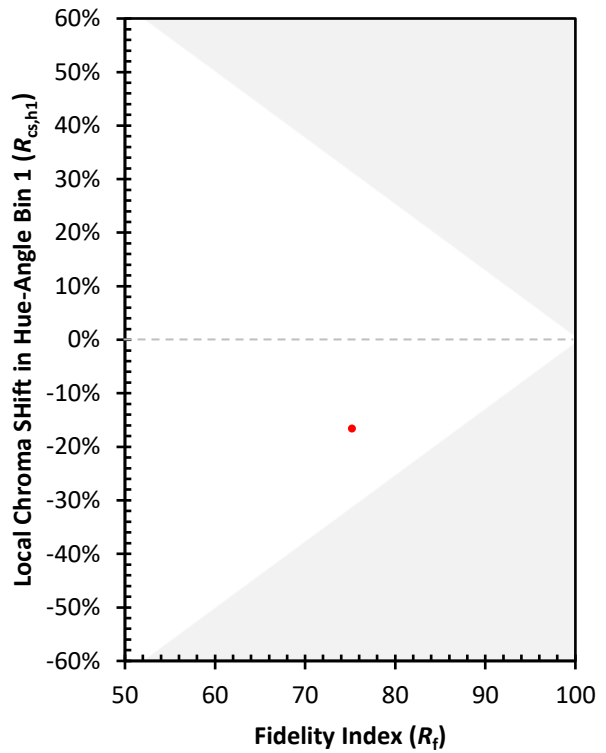
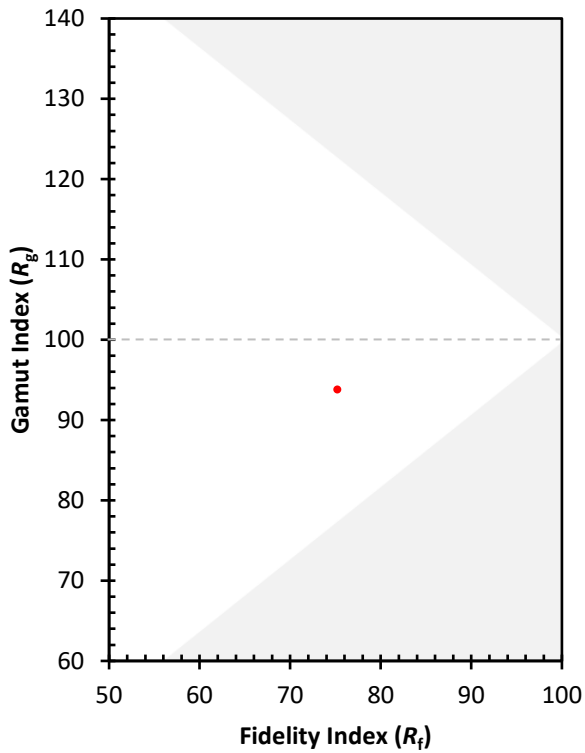
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)