

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: P856271

Luminaire Tested: **FFX-CLB-20-740-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856271
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-20-740-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

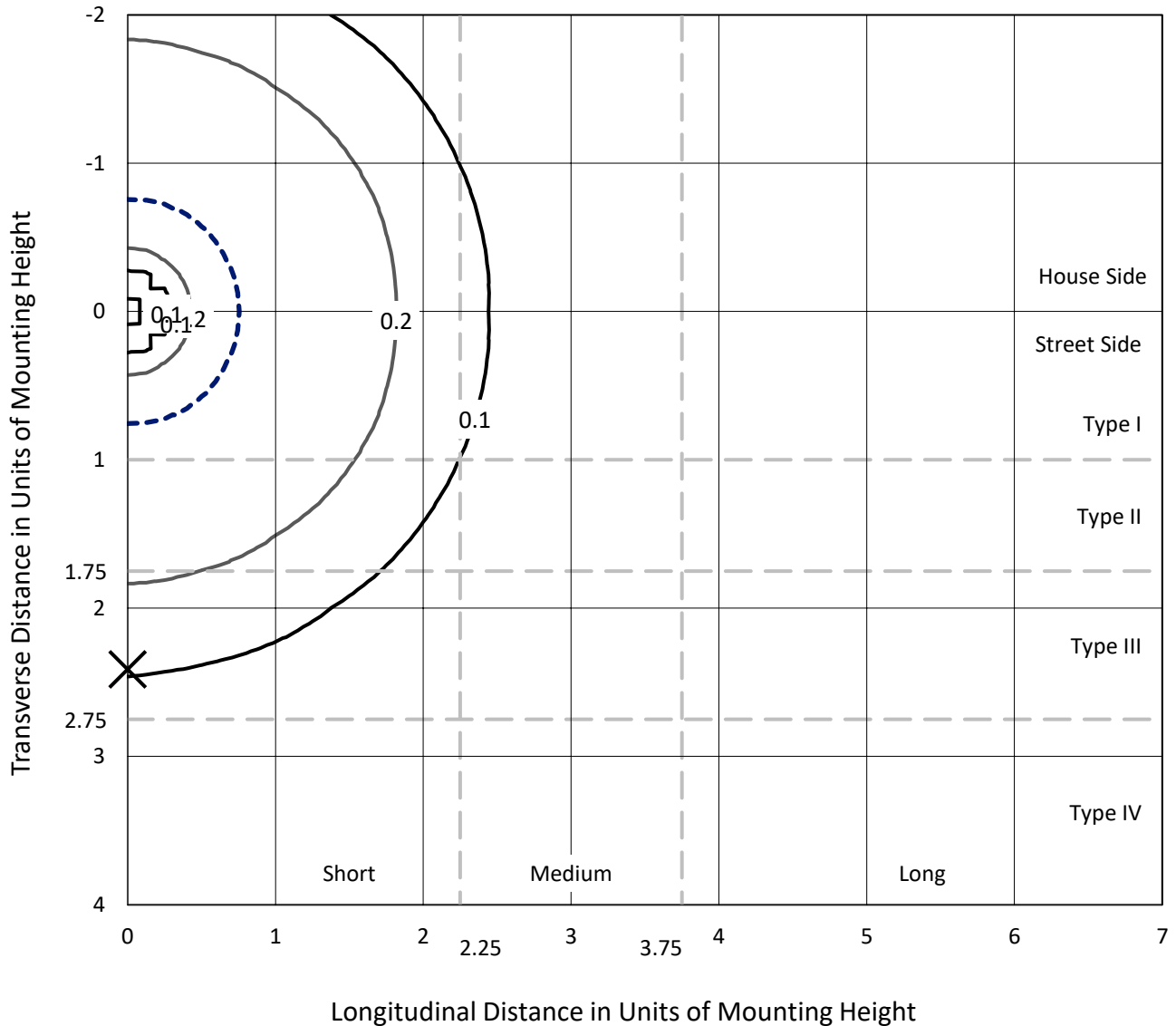
Lumens per Lamp: N/A
Luminaire Lumens: 3338.5 lumens
Efficiency: N/A
Efficacy: 171.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B1 - U4 - G2

Input Watts (W): 19.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 9.8%%
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

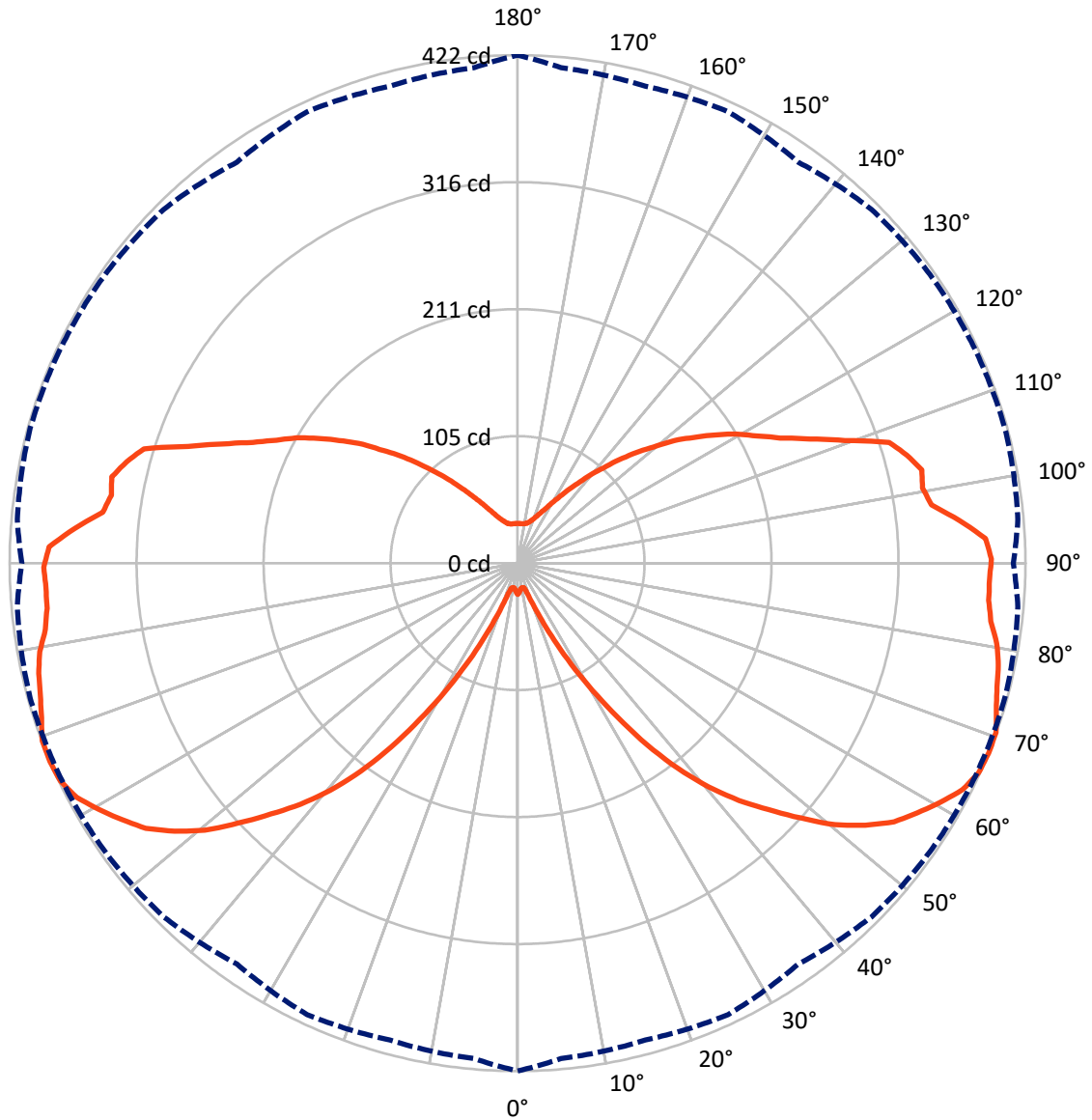
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.5 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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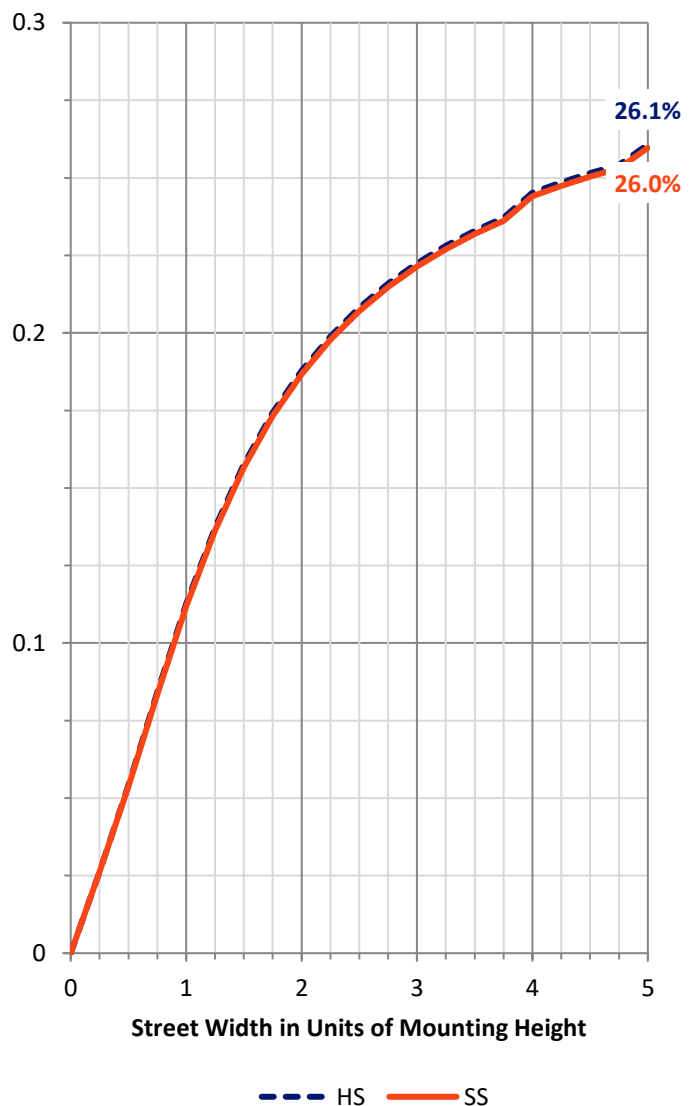
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	996.0	673.3	1669.2
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	996.0	673.3	1669.2
	% Fixture	29.8	20.2	50.0
Total	Lumens	1991.9	1346.6	3338.5
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	7.1	0.2
20°-30°	35.7	1.1
30°-40°	117.2	3.5
40°-50°	226.6	6.8
50°-60°	335.3	10.0
60°-70°	407.6	12.2
70°-80°	430.3	12.9
80°-90°	430.0	12.9
90°-100°	402.2	12.0
100°-110°	357.8	10.7
110°-120°	244.8	7.3
120°-130°	164.4	4.9
130°-140°	95.5	2.9
140°-150°	47.0	1.4
150°-160°	21.7	0.7
160°-170°	10.0	0.3
170°-180°	3.1	0.1
0°-90°	1991.9	59.7
0°-180°	3338.5	100.0



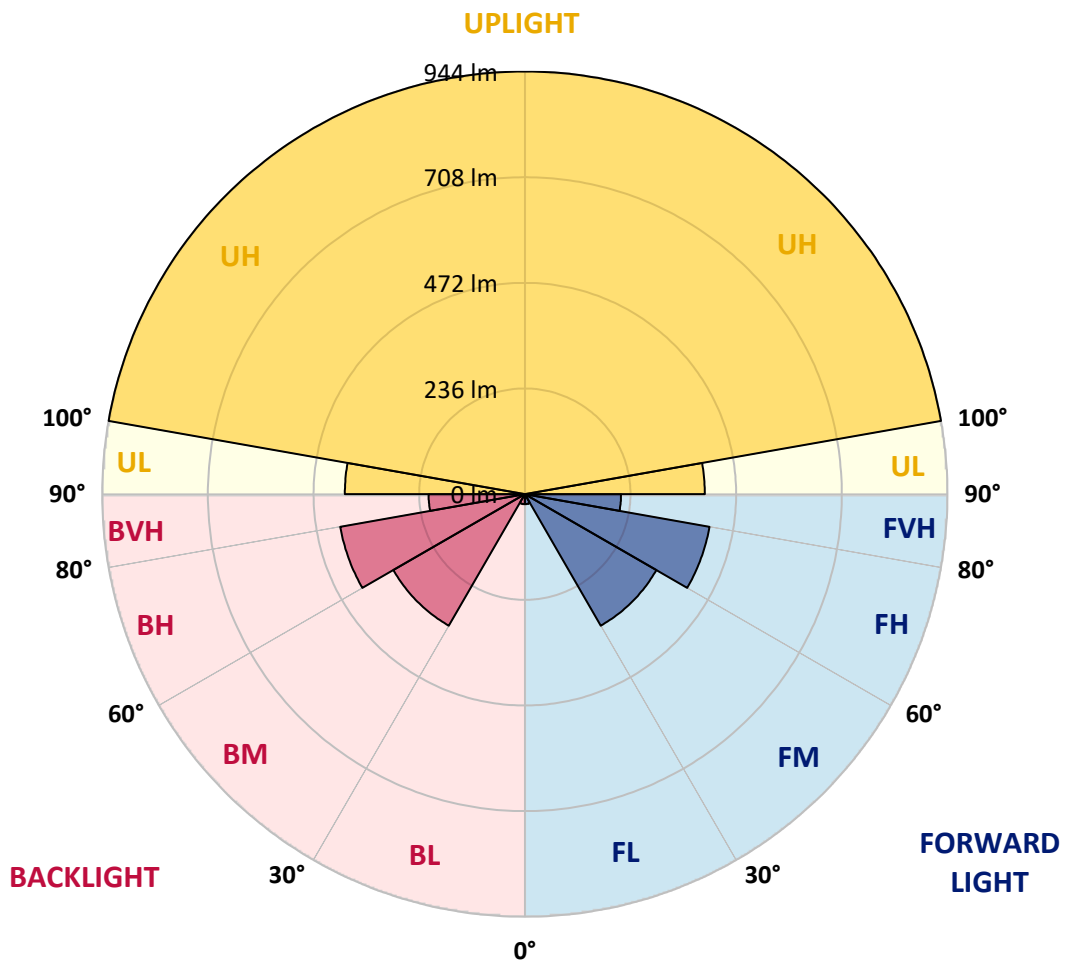
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	22.5	0.7			
FM (30°-60°)	339.5	10.2			
FH (60°-80°)	419.0	12.5			G0/660
FVH (80°-90°)	215.0	6.4			G2/225
BL (0°-30°)	22.5	0.7	B0/110		
BM (30°-60°)	339.5	10.2	B1/1000		
BH (60°-80°)	419.0	12.5	B1/500		G0/660
BVH (80°-90°)	215.0	6.4			G2/225
UL (90°-100°)	402.2	12.0		U3/500	
UH (100°-180°)	944.3	28.3		U4/1000	

BUG Rating: B1-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
2.5°	24.8	24.6	24.4	24.2	24.4	24.6	25.1	25.3	25.3	25.3	25.3
5°	22.5	22.7	23.0	23.2	23.2	23.2	23.2	23.4	23.6	23.6	23.6
7.5°	21.3	21.3	21.5	22.1	22.3	22.1	22.1	22.3	21.7	21.1	20.8
10°	20.6	20.6	20.8	21.1	21.3	21.7	21.9	21.9	21.9	21.9	21.7
12.5°	20.8	20.6	20.8	21.1	21.5	21.7	21.3	21.3	21.7	22.1	22.3
15°	21.9	21.7	21.7	22.1	22.3	22.3	21.9	21.9	22.1	22.5	22.5
17.5°	26.5	26.1	25.9	26.1	25.9	26.1	25.9	26.3	26.3	26.1	25.9
20°	36.2	35.8	35.2	35.0	35.2	35.8	36.0	36.6	36.0	35.8	35.0
22.5°	51.4	50.8	50.3	50.3	51.0	51.4	51.2	52.0	51.6	51.4	50.5
25°	70.8	70.3	70.5	71.6	72.7	72.0	70.3	71.6	71.6	71.4	71.2
27.5°	95.0	93.5	94.1	96.9	97.7	96.0	94.1	95.6	96.2	96.5	96.5
30°	122.6	121.5	121.3	124.2	125.3	123.8	122.6	124.2	124.2	124.9	124.9
32.5°	152.5	151.8	150.8	152.5	154.2	153.7	153.7	155.0	154.6	155.2	155.4
35°	185.3	184.1	182.0	182.2	184.1	184.3	185.7	186.6	186.2	186.0	186.0
37.5°	216.3	214.6	212.7	211.6	214.0	213.7	217.1	217.1	216.3	216.5	216.5
40°	244.3	243.2	241.8	238.8	243.2	242.4	246.4	246.4	244.1	244.7	244.3
42.5°	269.3	269.3	267.7	263.2	267.9	267.0	272.3	272.3	269.1	268.9	268.3
45°	291.9	292.9	292.1	288.1	289.8	290.4	295.5	294.4	291.9	291.9	290.8
47.5°	316.1	317.1	314.2	310.0	311.9	312.9	317.6	317.1	315.7	313.8	313.8
50°	341.4	341.6	335.7	330.6	332.3	337.8	341.2	342.0	338.8	334.4	334.2
52.5°	361.4	362.6	357.0	351.5	352.7	359.1	362.8	363.1	359.1	352.7	354.6
55°	379.1	380.3	374.6	369.8	372.3	375.7	380.1	377.6	377.8	371.1	374.2
57.5°	391.1	395.3	385.8	384.7	387.1	391.1	393.0	392.3	393.6	387.3	388.3
60°	403.1	405.0	397.0	398.4	395.7	402.9	404.3	405.8	402.4	398.0	398.0
62.5°	414.4	409.8	404.1	407.7	400.3	409.4	411.1	412.8	409.2	405.0	405.8
65°	420.3	411.9	407.1	411.5	404.3	412.5	415.3	415.9	415.3	411.3	409.4
67.5°	421.6	412.8	409.8	413.4	406.2	415.3	417.8	419.1	419.7	416.8	411.5
70°	421.2	411.7	409.2	412.5	407.9	416.3	416.5	418.4	419.3	420.5	414.7
72.5°	415.5	407.3	406.7	409.6	405.4	410.9	411.1	413.4	412.1	416.1	413.2
75°	410.9	405.4	406.4	405.8	401.6	404.8	405.6	408.3	403.7	407.5	410.0
77.5°	407.9	405.0	407.5	404.1	399.7	401.8	403.1	406.2	399.3	402.4	409.8
80°	403.3	402.4	405.6	400.5	396.8	398.6	400.8	403.5	395.9	398.0	408.5
82.5°	395.7	396.3	399.3	393.4	390.9	393.0	395.5	399.7	391.9	393.2	404.3
85°	392.3	395.1	396.5	390.6	387.7	389.0	391.7	396.1	387.9	389.8	401.2
87.5°	391.9	395.3	396.3	391.3	388.8	390.6	391.9	398.2	389.4	391.7	403.3
90°	393.2	394.4	395.1	390.6	388.5	391.5	391.7	399.5	390.6	391.3	401.6
92.5°	389.0	389.2	390.4	386.4	386.2	388.3	387.9	394.4	384.7	383.3	392.1
95°	368.5	366.8	369.6	367.5	371.9	375.1	378.6	386.9	382.0	383.3	390.9
97.5°	346.8	347.3	348.1	344.7	344.1	345.4	346.8	351.1	349.6	350.8	358.0
100°	341.8	343.3	343.1	341.4	334.4	332.9	329.8	325.4	319.5	320.3	321.4
102.5°	344.3	348.3	348.9	351.3	351.3	350.2	352.5	350.6	351.7	357.8	354.4
105°	335.3	339.9	342.8	345.4	350.2	354.2	365.0	371.5	376.7	384.1	383.1
107.5°	324.3	326.6	328.7	328.7	327.5	326.8	332.7	333.8	332.3	334.2	334.4
110°	290.2	290.0	292.1	291.2	291.9	288.5	290.2	295.9	294.6	298.4	299.0



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 CATALOG NUMBER: FFX-CLB-20-740-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	263.7	263.7	265.1	263.0	263.2	260.5	261.6	265.3	265.6	268.7	270.4
115°	241.3	240.9	243.0	241.3	239.4	238.8	239.9	242.2	242.8	244.9	248.3
117.5°	224.7	222.6	224.3	224.5	225.3	223.6	226.2	227.6	228.5	230.2	232.9
120°	211.0	208.9	209.5	211.6	214.2	210.6	213.3	214.6	215.2	215.9	217.1
122.5°	195.4	194.0	193.3	197.5	199.0	195.8	197.3	199.2	200.3	201.3	202.4
125°	179.6	178.4	177.7	181.5	183.0	180.5	182.6	185.3	184.9	187.2	185.1
127.5°	165.3	164.9	164.1	165.9	167.0	166.8	168.7	172.1	170.6	172.7	170.4
130°	148.3	149.9	148.7	151.0	151.2	152.9	153.5	156.7	155.2	155.6	154.2
132.5°	134.4	135.0	134.4	135.2	135.8	135.8	137.5	140.9	138.6	138.4	137.1
135°	120.2	120.5	119.6	120.9	121.3	120.2	121.9	124.5	123.2	122.6	122.6
137.5°	106.3	106.1	106.3	106.8	107.2	107.0	107.8	109.7	109.3	108.5	109.5
140°	94.6	93.9	94.1	94.3	94.1	94.1	95.0	96.7	96.7	95.6	96.7
142.5°	82.8	82.6	82.6	82.6	82.6	83.0	83.8	84.2	84.7	83.8	83.6
145°	72.9	72.7	72.4	72.4	72.4	72.7	73.5	73.3	74.1	73.3	72.7
147.5°	64.0	64.2	63.8	63.6	63.4	64.0	64.2	64.7	65.1	64.7	64.0
150°	56.9	56.6	56.6	56.2	56.2	56.9	56.6	57.1	57.5	57.3	57.1
152.5°	50.5	50.5	50.5	50.1	50.3	50.8	50.8	50.8	51.2	51.2	51.0
155°	45.5	45.5	45.5	45.3	45.3	45.7	45.7	45.7	45.9	45.9	45.9
157.5°	41.7	41.7	41.5	41.5	41.5	41.7	41.5	41.5	41.7	41.7	41.7
160°	38.7	38.7	38.5	38.5	38.3	38.5	38.3	38.3	38.5	38.5	38.5
162.5°	36.4	36.4	36.2	36.2	36.2	36.2	36.2	36.0	36.0	36.2	36.0
165°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.5	34.5	34.5	34.5
167.5°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
170°	33.1	33.1	33.1	33.3	33.3	33.3	33.1	33.1	33.3	33.3	33.1
172.5°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
175°	32.9	32.9	32.9	32.9	32.9	32.9	32.6	32.9	32.9	32.9	32.9
177.5°	32.9	32.6	32.6	32.9	32.9	32.6	32.6	32.6	32.6	32.6	32.6
180°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9

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: SP1-2406-133-1

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.

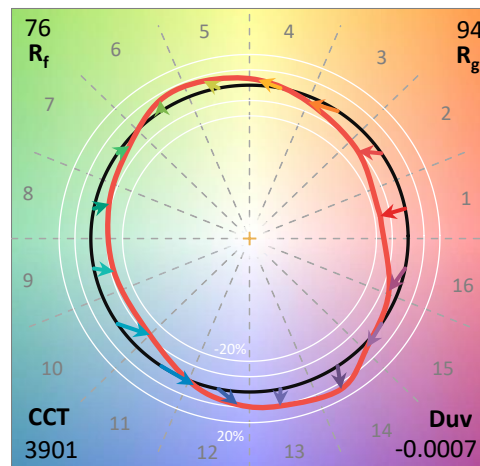
Test Information

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
 R_f: 76.2
 R_g: 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

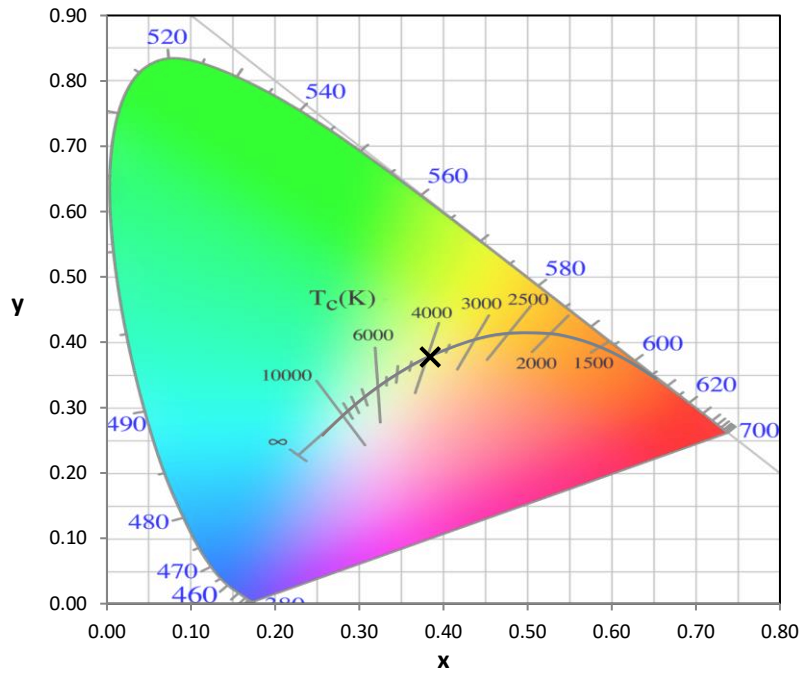
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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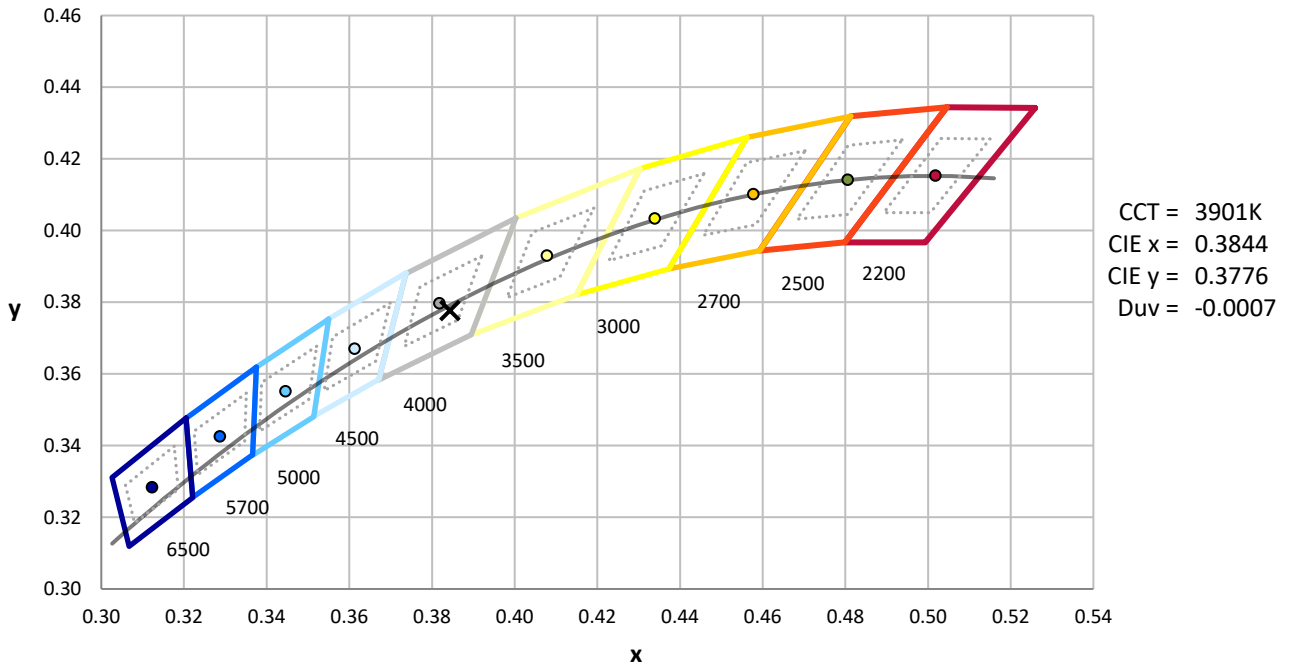
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 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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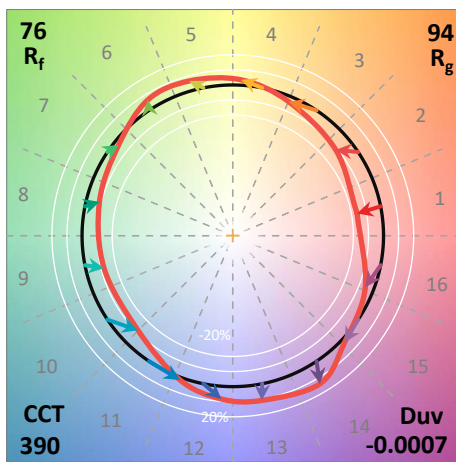
TM-30-18

Summary

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



Color Vector Graphics

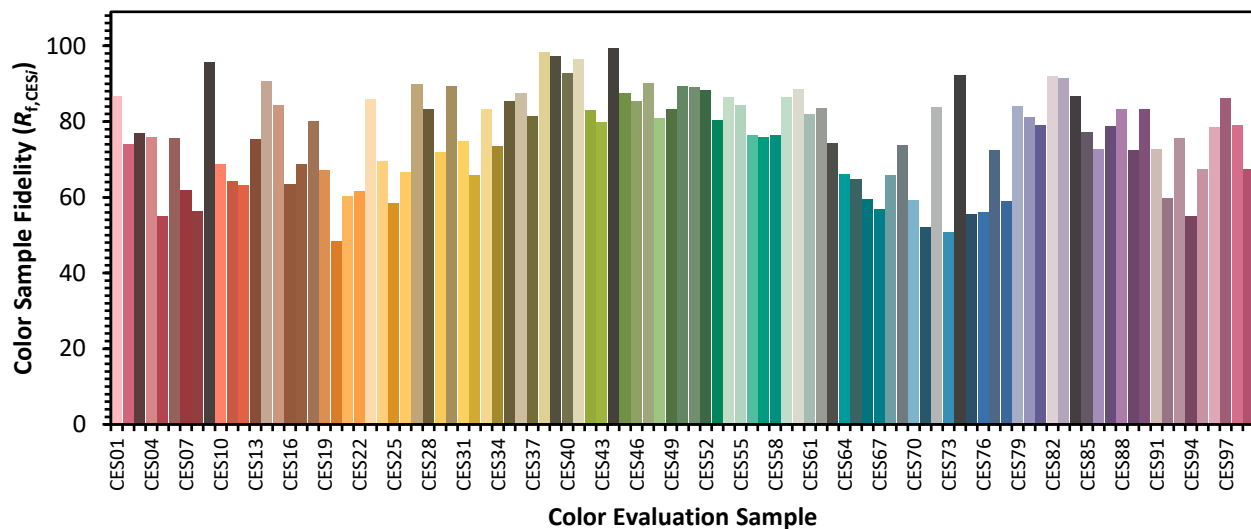


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Individual Sample Fidelity Index ($R_{f,i}$)

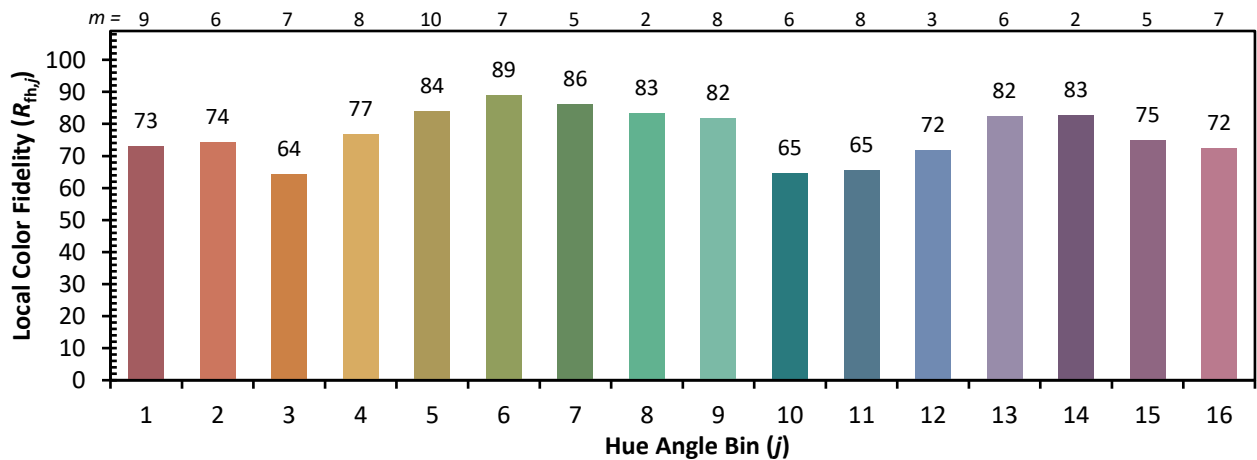
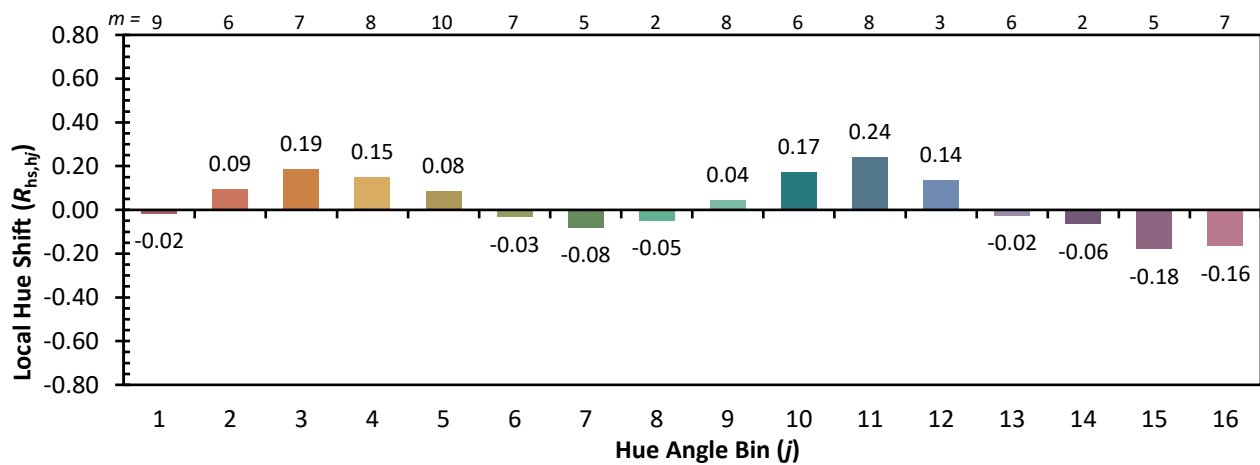
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 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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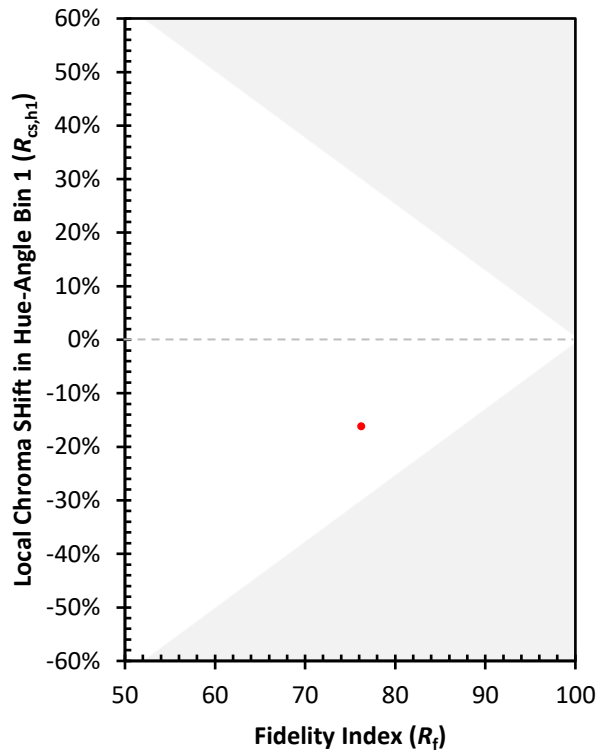
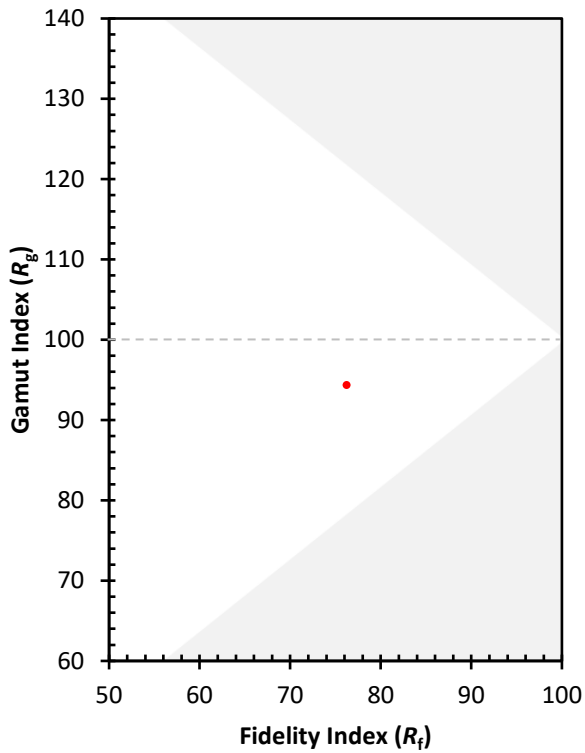
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)