

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: P856180

Luminaire Tested: **FFX-CLB-30-740-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856180
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-30-740-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

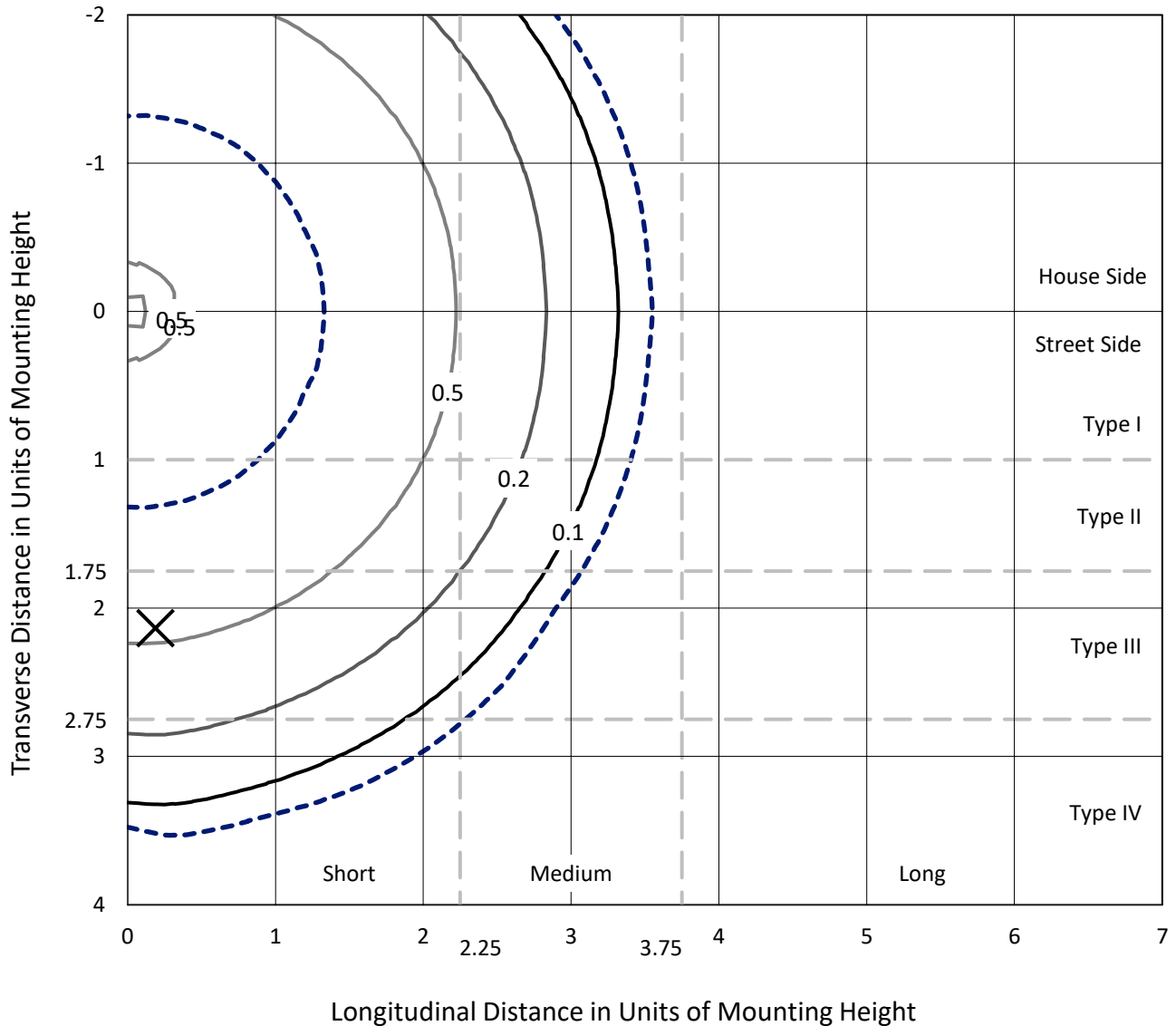
Lumens per Lamp: N/A
Luminaire Lumens: 4978.3 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

Input Watts (W): 30.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 10.6%%
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

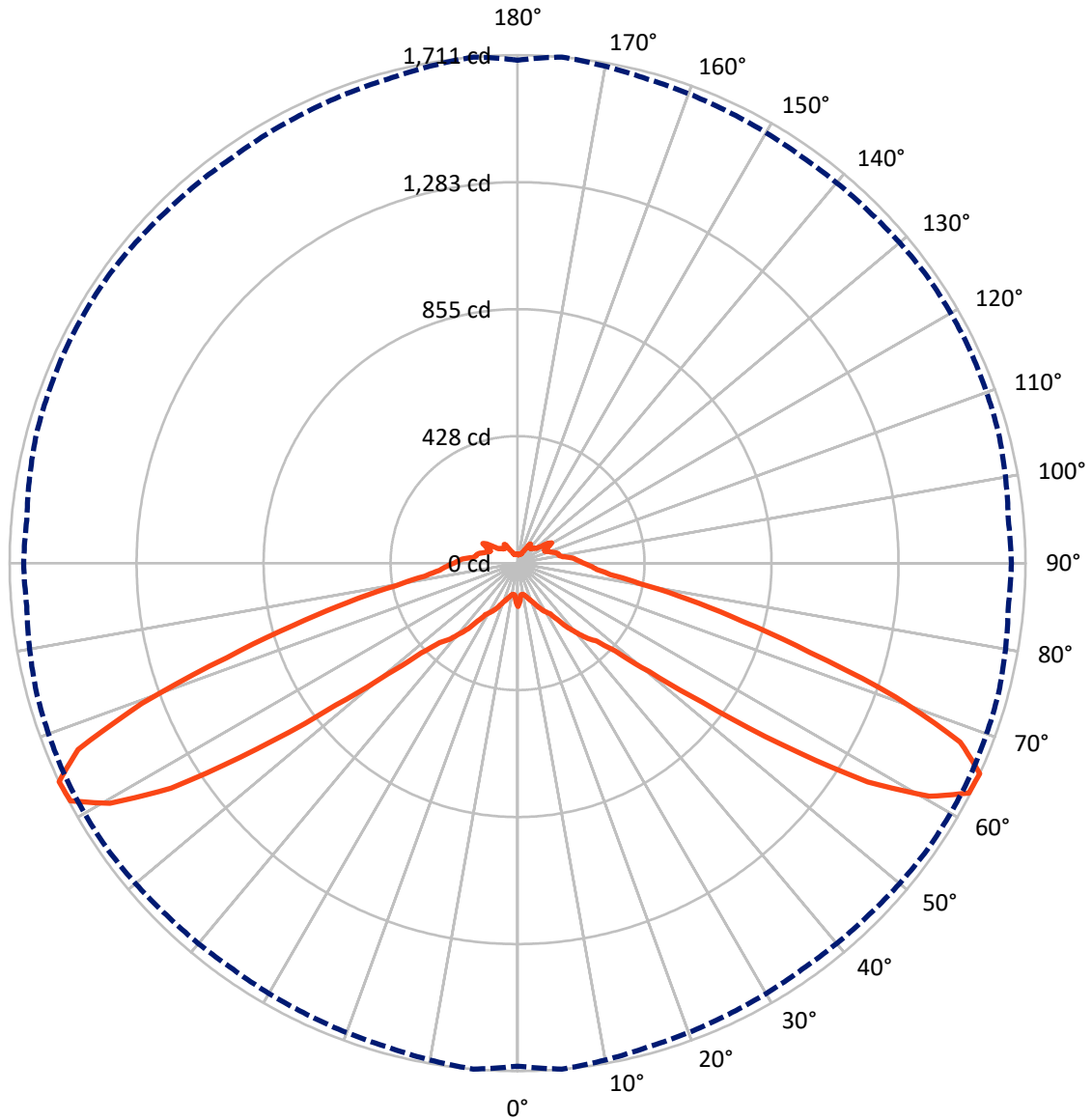
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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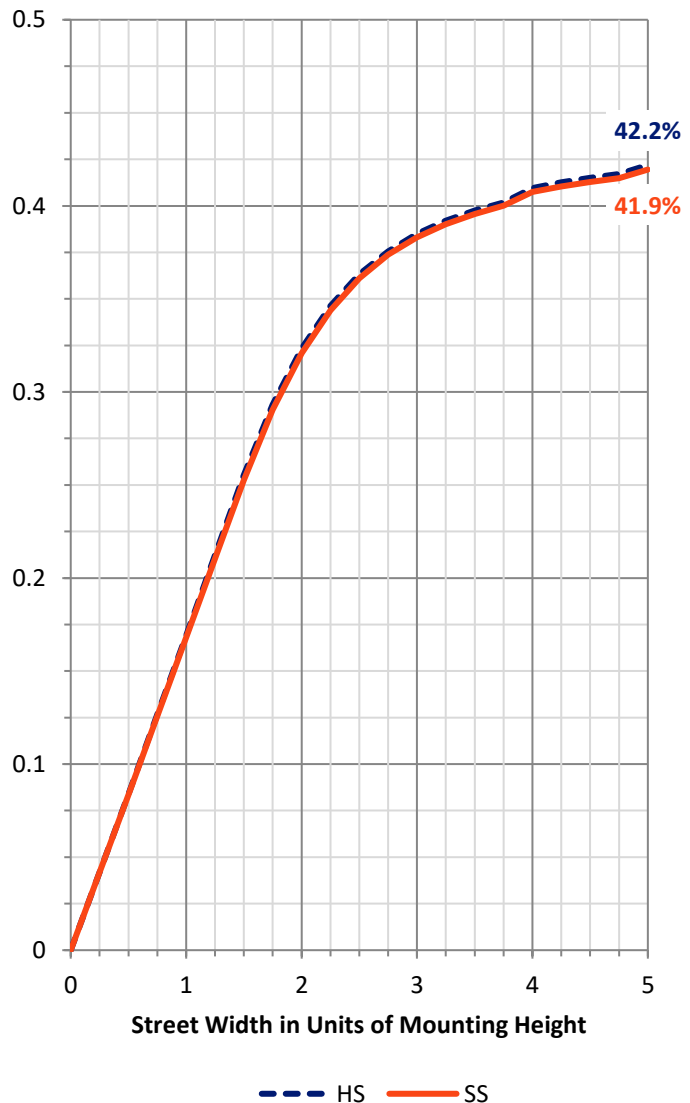
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2174.6	314.6	2489.1
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2174.6	314.6	2489.1
	% Fixture	43.7	6.3	50.0
Total	Lumens	4349.2	629.1	4978.3
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.2
10°-20°	34.9	0.7
20°-30°	75.8	1.5
30°-40°	153.5	3.1
40°-50°	309.4	6.2
50°-60°	983.8	19.8
60°-70°	1586.5	31.9
70°-80°	865.2	17.4
80°-90°	329.4	6.6
90°-100°	197.7	4.0
100°-110°	126.1	2.5
110°-120°	95.9	1.9
120°-130°	81.1	1.6
130°-140°	52.9	1.1
140°-150°	44.3	0.9
150°-160°	19.9	0.4
160°-170°	8.4	0.2
170°-180°	2.8	0.1
0°-90°	4349.2	87.4
0°-180°	4978.3	100.0



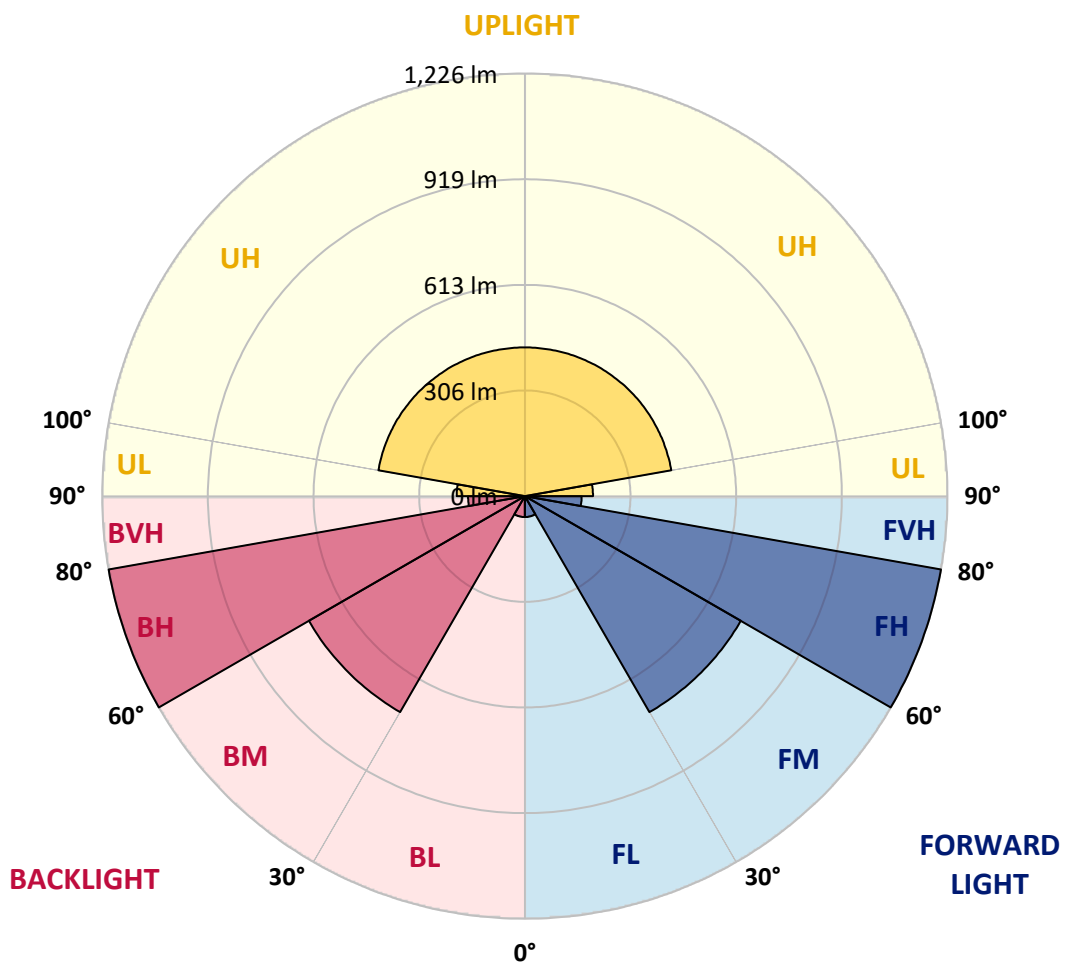
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.7	1.2			
FM	(30°-60°)	723.4	14.5			
FH	(60°-80°)	1225.9	24.6			G1/1800
FVH	(80°-90°)	164.7	3.3			G2/225
BL	(0°-30°)	60.7	1.2	B0/110		
BM	(30°-60°)	723.4	14.5	B1/1000		
BH	(60°-80°)	1225.9	24.6	B3/2500		G1/1800
BVH	(80°-90°)	164.7	3.3			G2/225
UL	(90°-100°)	197.7	4.0		U3/500	
UH	(100°-180°)	431.4	8.7		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1
2.5°	130.5	132.6	126.9	122.2	120.1	120.6	125.3	130.0	125.3	126.9	126.9
5°	108.1	108.7	108.7	107.6	109.2	106.1	102.4	102.4	106.1	110.2	110.2
7.5°	104.5	106.1	110.2	110.2	111.8	106.6	101.4	101.9	107.1	113.3	114.9
10°	107.6	107.6	106.6	107.6	111.3	110.7	105.0	102.4	106.1	112.3	114.4
12.5°	112.3	112.3	115.4	120.1	120.6	115.9	110.2	109.7	113.9	118.0	118.0
15°	119.1	119.6	121.1	120.6	122.2	120.6	119.1	120.1	122.7	122.7	122.7
17.5°	127.9	127.9	127.9	127.9	127.9	128.4	128.9	128.9	128.9	130.0	130.0
20°	137.8	137.8	137.3	136.7	136.7	137.3	137.8	137.8	137.8	138.8	138.8
22.5°	150.3	149.7	148.7	148.7	148.7	149.2	148.2	147.7	147.1	147.7	147.7
25°	164.8	164.8	163.8	162.2	162.2	161.7	160.1	159.6	159.1	160.1	159.6
27.5°	179.4	179.4	177.8	175.7	175.7	175.7	174.7	173.6	172.6	173.1	173.1
30°	192.9	191.8	191.3	189.8	189.2	189.8	188.7	188.7	186.6	186.1	187.2
32.5°	205.4	204.3	205.4	203.8	202.2	203.8	203.3	203.3	200.2	199.1	200.2
35°	239.7	237.1	239.2	235.5	233.4	234.0	235.0	237.1	234.0	232.4	232.9
37.5°	276.6	276.1	282.8	288.5	287.5	278.7	272.9	274.0	278.1	283.9	283.9
40°	310.9	309.9	311.4	309.3	309.3	308.3	307.8	310.4	302.1	300.0	298.4
42.5°	346.8	346.3	337.4	324.9	322.3	332.7	337.4	341.1	329.1	324.9	321.8
45°	382.1	374.8	373.3	369.1	365.0	371.7	371.2	373.8	368.1	367.6	365.0
47.5°	456.5	443.0	438.3	438.8	430.0	437.2	440.4	448.7	436.7	437.2	436.7
50°	590.6	573.5	581.2	576.1	566.7	575.5	575.0	590.1	570.3	577.6	574.5
52.5°	800.1	776.7	781.4	778.3	768.9	787.1	791.3	813.6	775.7	785.1	782.5
55°	1103.2	1077.8	1088.2	1050.7	1040.8	1076.7	1090.2	1116.2	1065.8	1071.0	1068.4
57.5°	1392.3	1390.7	1408.4	1381.9	1373.1	1398.5	1386.1	1408.9	1381.9	1401.1	1394.9
60°	1589.3	1593.5	1611.2	1619.0	1603.4	1616.9	1586.7	1603.9	1595.6	1623.7	1621.1
62.5°	1691.8	1705.3	1694.9	1695.4	1678.2	1688.6	1682.9	1692.8	1690.7	1693.3	1690.7
65°	1693.8	1710.5	1687.6	1677.2	1669.9	1674.1	1684.0	1684.0	1677.7	1659.0	1663.2
67.5°	1583.1	1608.1	1582.6	1568.0	1572.2	1570.6	1577.4	1568.5	1564.9	1537.3	1537.9
70°	1310.7	1350.7	1313.3	1299.8	1310.7	1317.4	1316.9	1309.6	1303.9	1269.6	1279.5
72.5°	995.1	1030.4	997.2	992.0	1002.4	1012.8	1003.9	1012.8	1003.4	987.8	992.5
75°	751.3	781.4	781.4	801.2	804.3	798.6	774.1	784.0	790.3	790.8	795.4
77.5°	552.7	584.4	601.0	633.2	631.7	621.8	592.2	603.6	615.6	623.9	629.6
80°	393.0	417.0	441.4	464.3	467.4	459.1	440.9	447.6	454.9	460.6	463.8
82.5°	304.7	315.6	310.9	308.3	312.5	324.4	328.6	332.7	322.3	315.6	318.2
85°	265.7	266.7	275.0	280.7	282.3	282.3	278.1	281.3	283.9	290.6	290.6
87.5°	242.3	243.3	264.1	269.8	271.9	269.3	264.1	266.2	268.3	272.4	272.4
90°	215.2	218.4	239.2	243.8	245.9	241.8	240.2	241.8	239.2	240.7	240.7
92.5°	200.2	200.2	210.0	208.0	207.4	208.0	208.5	210.0	207.4	206.4	206.4
95°	183.0	185.6	183.0	185.1	184.6	182.0	180.9	182.0	180.4	180.4	181.4
97.5°	153.4	153.9	149.2	150.8	150.8	148.7	146.1	147.1	145.6	146.6	147.1
100°	143.5	141.9	134.1	133.1	132.6	131.0	129.5	129.5	128.9	128.4	128.9
102.5°	140.4	140.4	130.0	127.9	126.9	124.3	122.2	122.2	122.2	122.2	122.7
105°	128.4	132.1	124.3	122.7	121.1	118.0	114.9	114.4	115.4	114.4	115.9
107.5°	116.5	119.6	115.4	115.4	113.9	110.7	108.7	108.1	108.7	107.6	108.7
110°	109.7	111.3	106.6	106.6	105.5	102.9	102.4	101.9	101.9	100.3	101.4



REPORT NUMBER: P856180

CATALOG NUMBER: FFX-CLB-30-740-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	101.4	101.4	97.7	96.7	96.7	95.1	94.6	94.1	94.1	94.1	94.6
115°	100.9	100.3	94.6	91.0	90.5	89.9	90.5	89.9	89.9	89.4	89.4
117.5°	123.2	118.0	98.8	89.9	89.9	90.5	92.5	91.0	87.3	87.3	86.8
120°	133.1	134.1	113.9	104.5	102.4	99.8	99.3	98.3	94.6	94.1	96.2
122.5°	117.5	122.7	110.2	106.6	104.5	101.4	99.3	98.8	98.8	96.2	99.8
125°	91.5	96.2	89.9	89.4	88.9	89.4	88.4	88.4	89.4	87.9	88.4
127.5°	78.5	80.6	78.0	78.0	77.5	76.9	75.9	76.4	75.9	76.4	76.9
130°	75.4	76.9	74.3	73.3	73.3	73.8	73.8	73.8	72.3	71.2	71.7
132.5°	74.9	74.3	70.2	68.1	68.1	71.7	73.3	73.3	69.7	67.1	67.1
135°	67.6	68.1	67.6	65.0	65.5	66.5	68.1	68.6	65.0	63.4	63.9
137.5°	65.0	66.5	67.1	66.0	66.0	65.0	64.5	65.0	63.9	64.5	64.5
140°	65.0	65.5	67.1	68.1	67.1	66.0	66.0	66.0	66.5	68.1	69.1
142.5°	66.5	67.1	66.5	66.0	67.6	70.2	72.3	72.3	70.7	69.7	70.2
145°	76.4	78.0	78.0	76.4	77.5	76.4	76.4	75.4	75.4	75.4	75.9
147.5°	72.8	72.3	73.3	74.9	73.3	72.8	72.8	73.3	74.3	74.9	75.4
150°	57.2	55.6	56.7	59.8	59.3	59.3	59.3	59.8	60.3	60.3	60.8
152.5°	45.2	45.2	46.3	46.3	46.8	46.8	46.3	46.3	46.3	46.8	46.8
155°	40.6	40.0	41.1	42.6	41.6	41.6	41.6	41.6	41.6	41.6	42.1
157.5°	35.4	34.8	34.8	35.4	35.4	35.4	35.4	35.9	35.9	35.4	35.9
160°	32.2	32.2	31.7	31.7	31.7	32.2	32.8	32.8	32.2	31.7	31.7
162.5°	30.7	30.7	29.6	29.1	29.1	29.6	30.7	30.7	29.6	29.1	29.1
165°	30.7	30.2	28.6	27.6	27.6	28.6	30.2	30.2	28.6	27.6	27.6
167.5°	30.2	30.2	29.1	28.1	28.1	29.1	29.6	30.2	29.6	28.6	28.1
170°	29.1	29.1	29.6	29.6	29.1	29.1	29.1	29.1	29.6	29.6	29.6
172.5°	30.2	29.6	30.2	30.7	30.7	30.2	29.6	29.6	30.2	30.7	30.7
175°	30.7	30.7	30.2	30.2	30.2	29.6	29.6	29.6	30.2	30.7	30.2
177.5°	27.6	27.6	27.0	27.6	27.6	27.6	27.0	27.6	27.6	27.6	28.1
180°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

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.

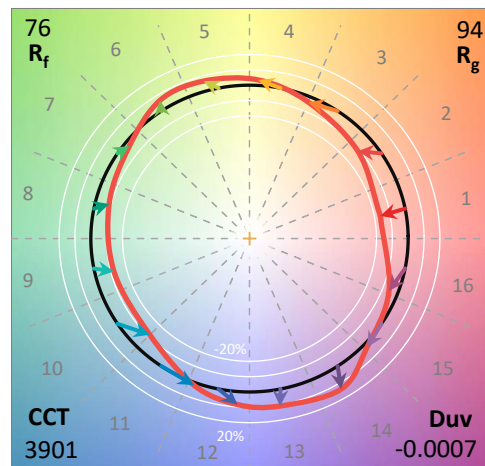
Test Information

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
 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

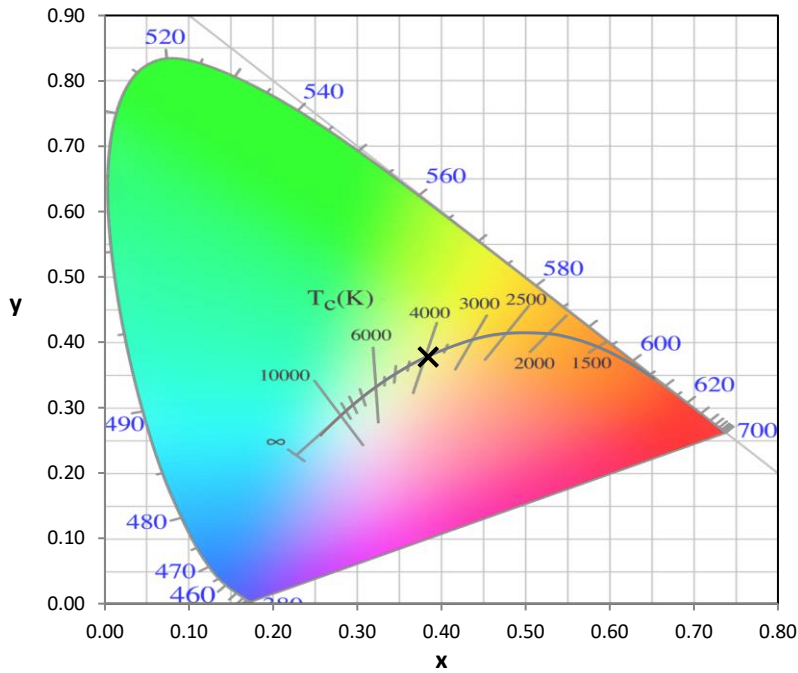
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

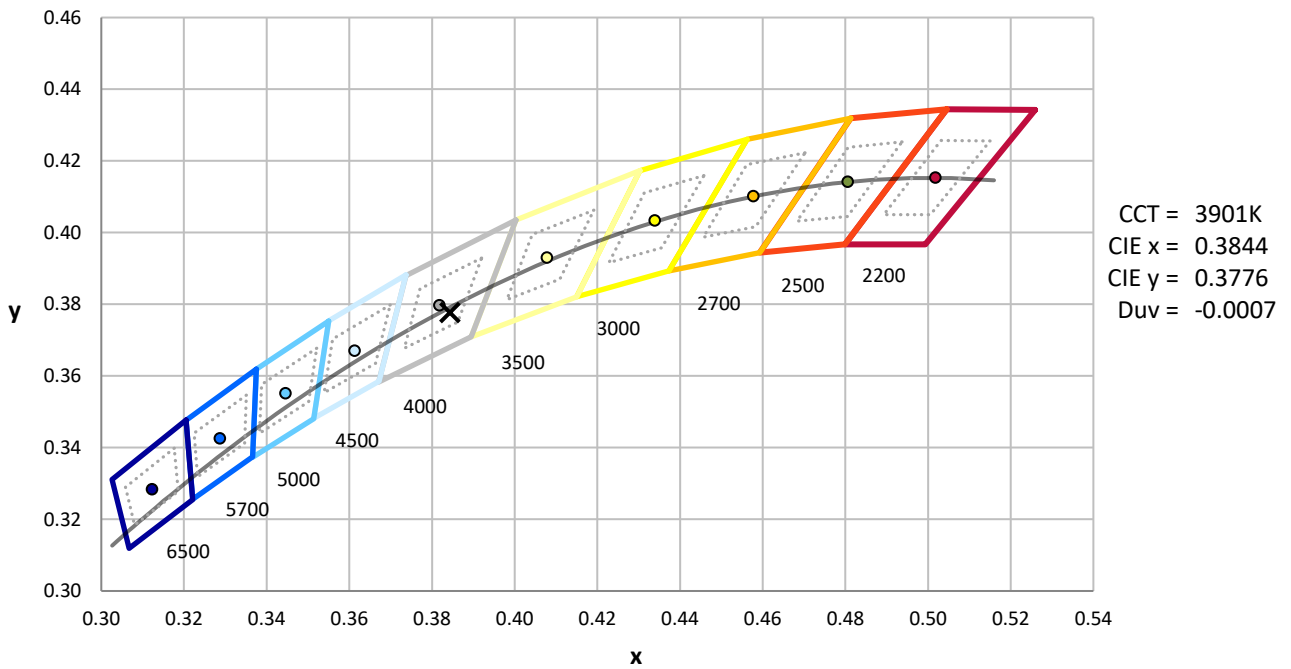
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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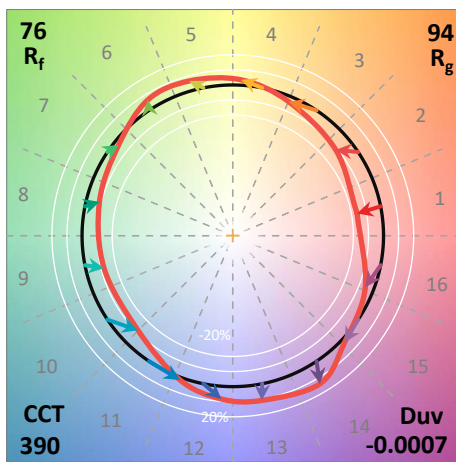
TM-30-18

Summary

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



Color Vector Graphics

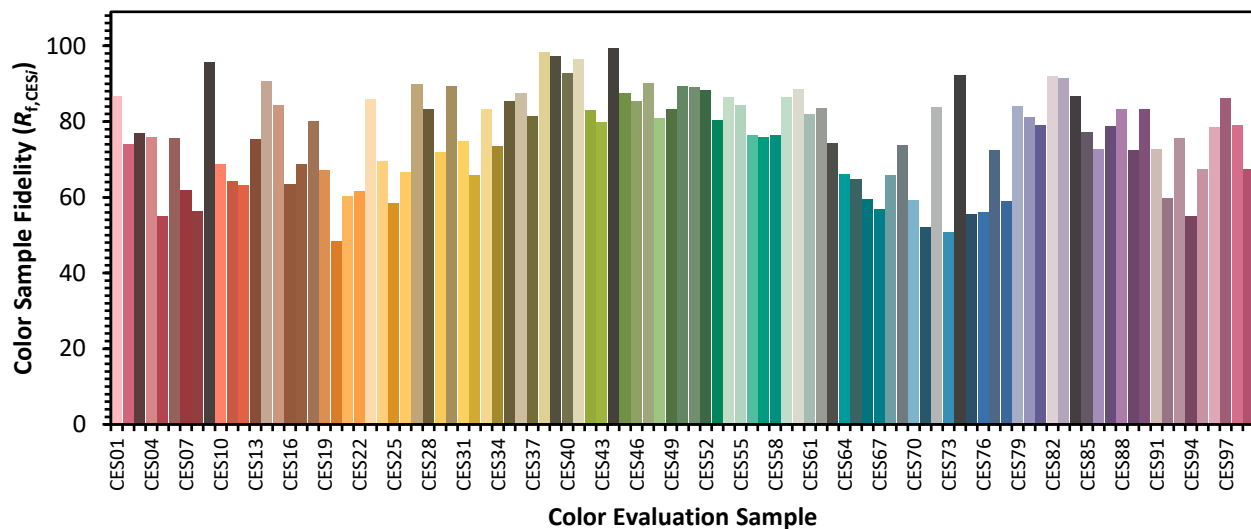


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Individual Sample Fidelity Index ($R_{f,i}$)

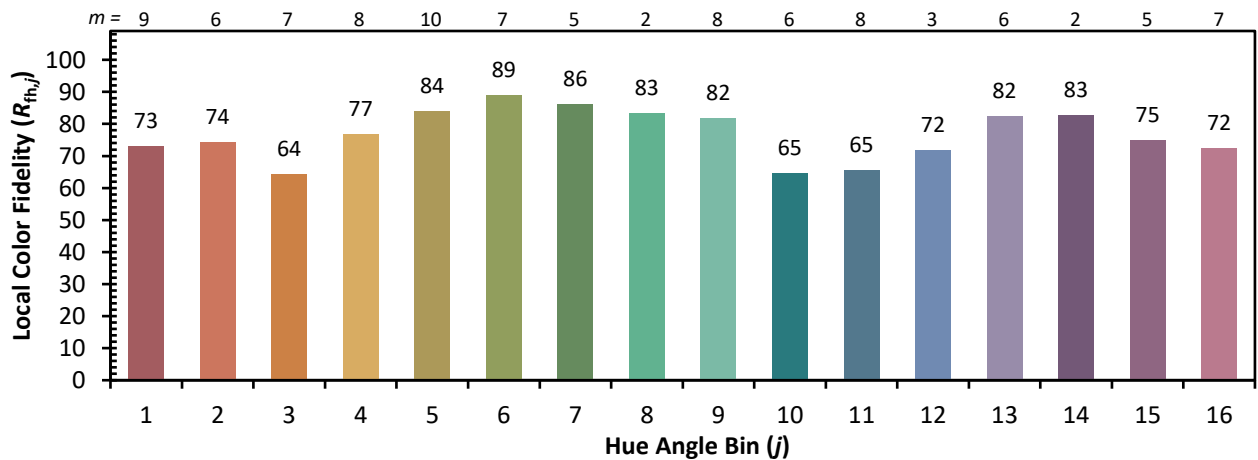
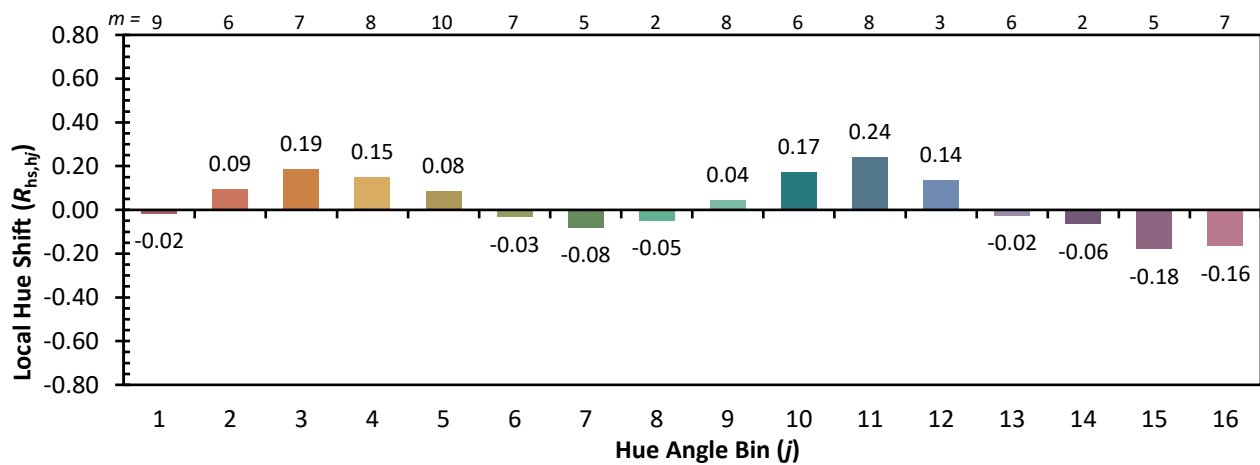
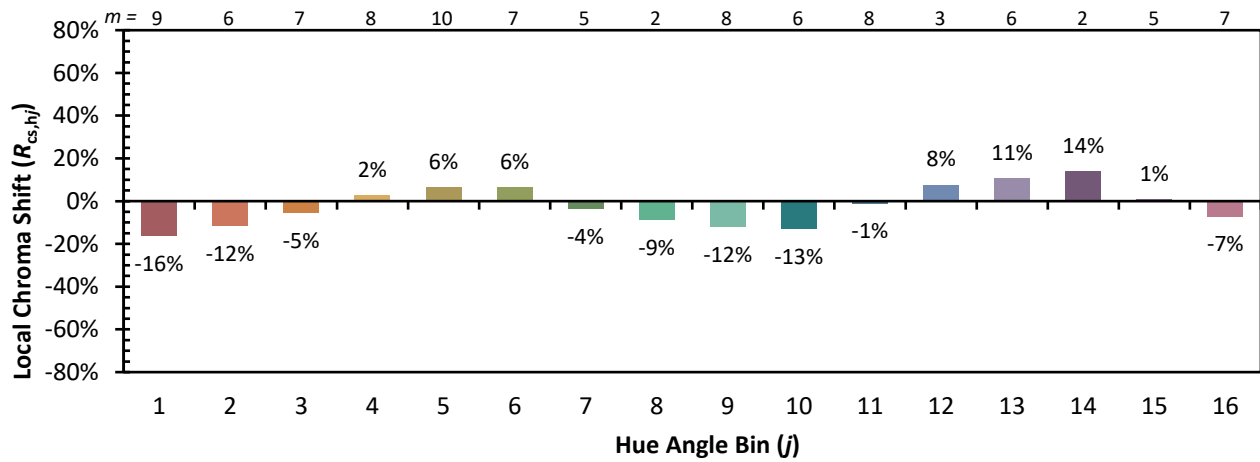
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 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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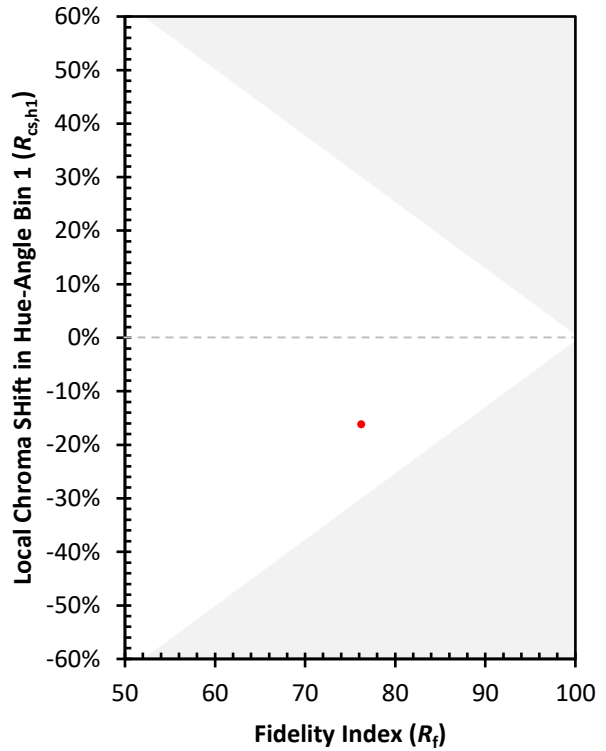
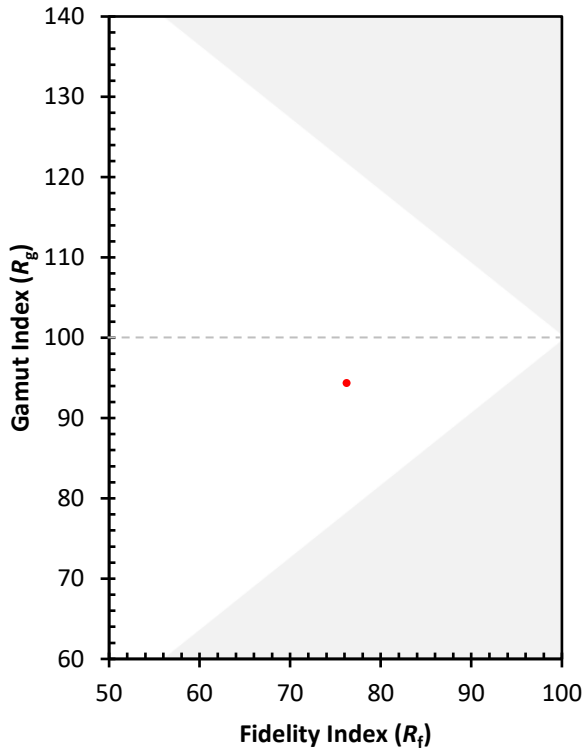
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)