

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: P856093

Luminaire Tested: **FFX-CLB-90-750-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856093
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-90-750-U-FR-T5
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

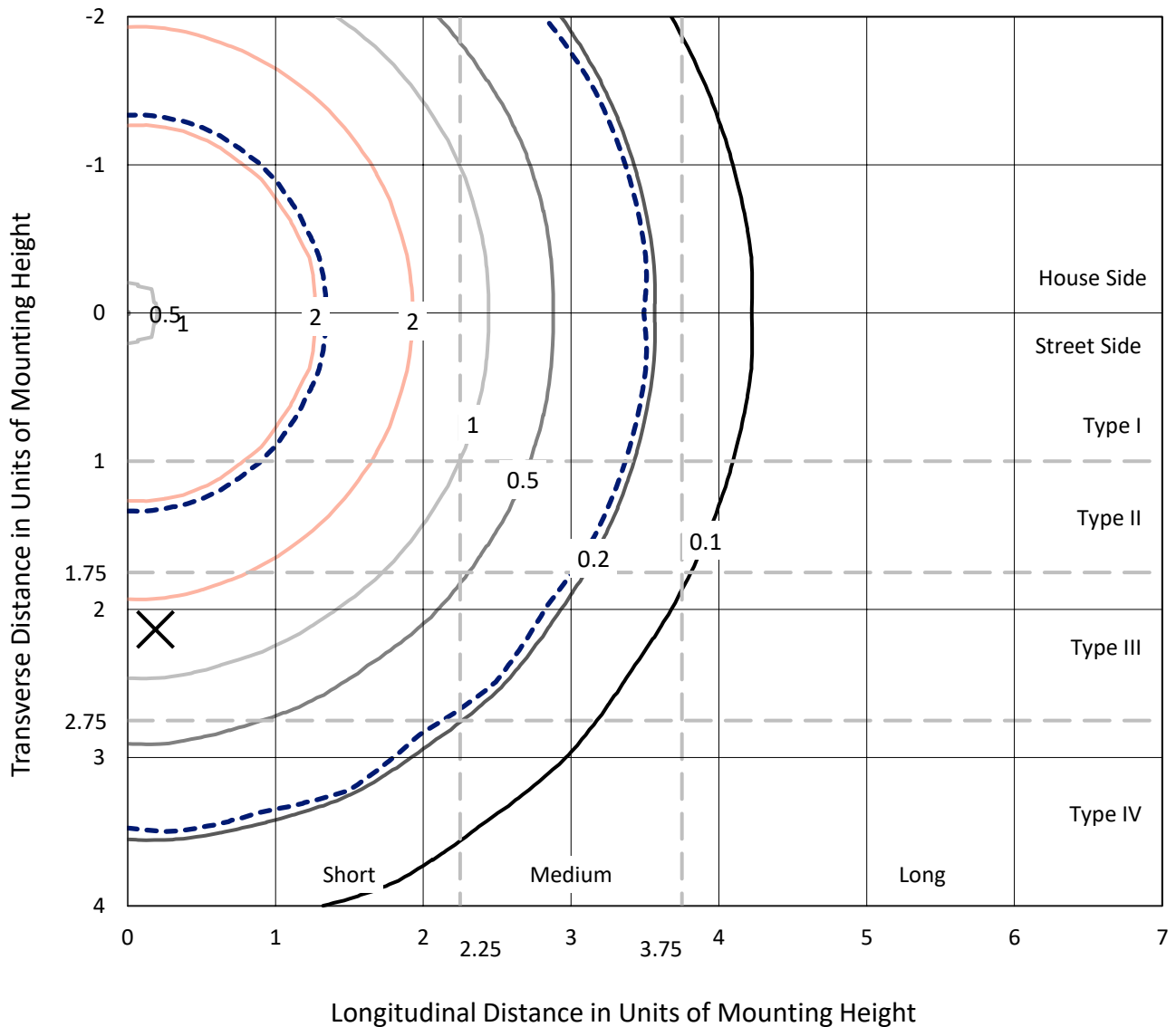
Lumens per Lamp: N/A
Luminaire Lumens: 14368.7 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U5 - G3

Input Watts (W): 90.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.6%%
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

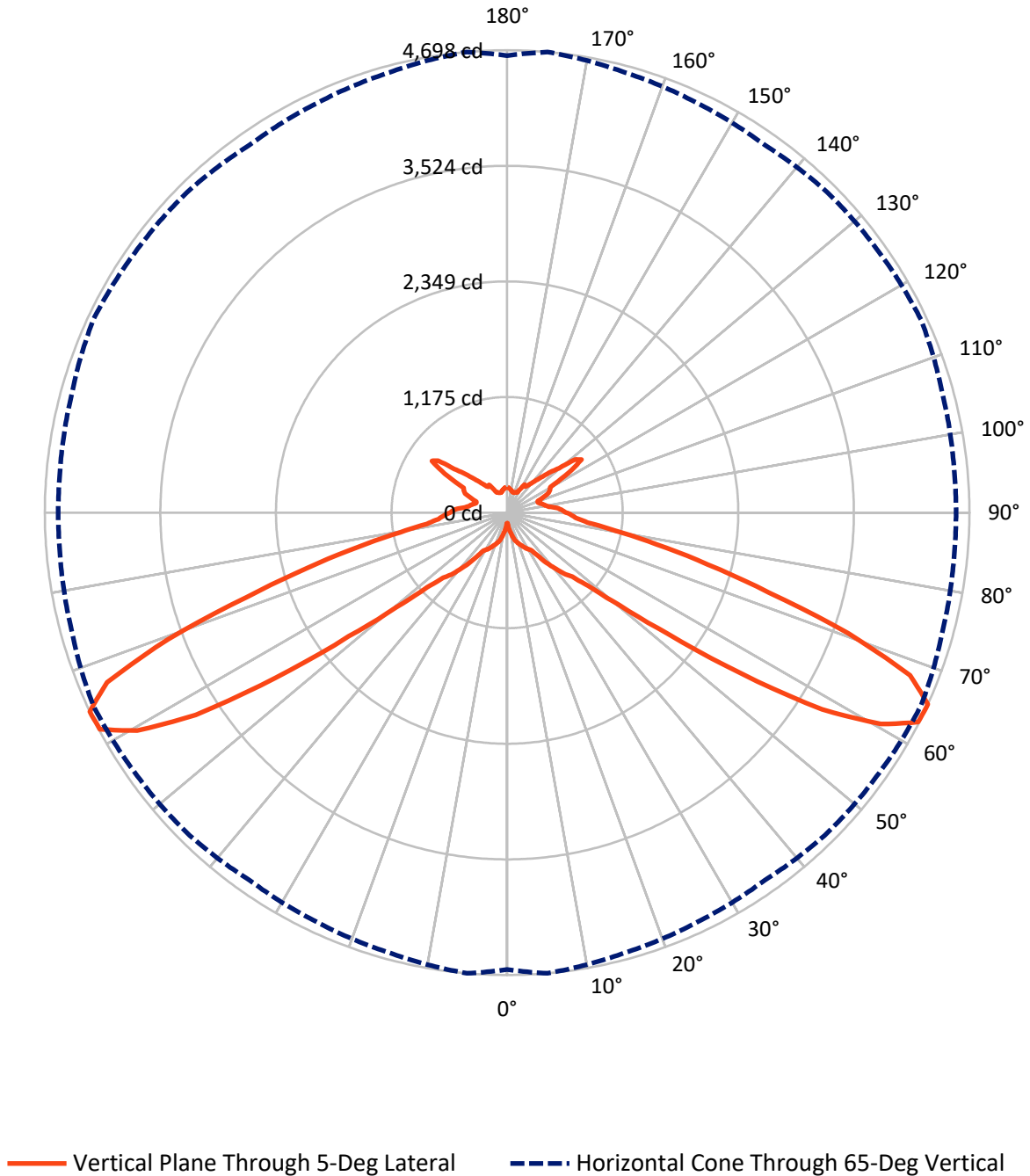
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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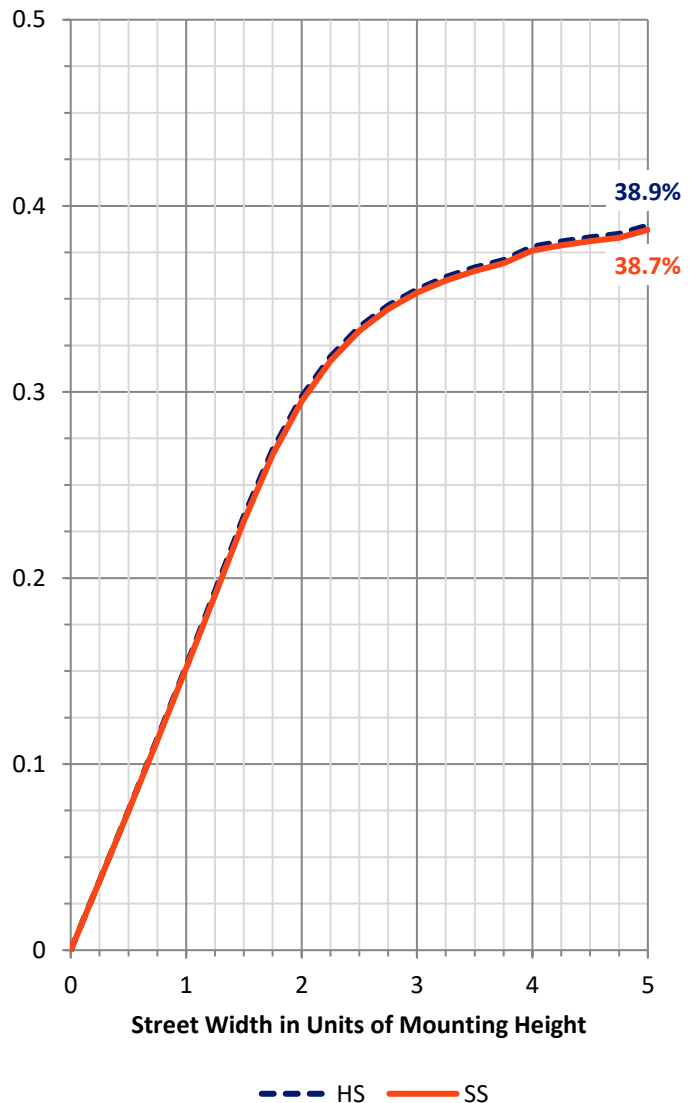
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5789.9	1394.4	7184.3
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	5789.9	1394.4	7184.3
	% Fixture	40.3	9.7	50.0
Total	Lumens	11579.9	2788.8	14368.7
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.1
10°-20°	82.1	0.6
20°-30°	178.3	1.2
30°-40°	353.8	2.5
40°-50°	767.3	5.3
50°-60°	2642.6	18.4
60°-70°	4340.2	30.2
70°-80°	2329.4	16.2
80°-90°	869.9	6.1
90°-100°	549.4	3.8
100°-110°	367.9	2.6
110°-120°	404.5	2.8
120°-130°	669.2	4.7
130°-140°	394.1	2.7
140°-150°	208.5	1.5
150°-160°	109.5	0.8
160°-170°	62.2	0.4
170°-180°	23.4	0.2
0°-90°	11579.9	80.6
0°-180°	14368.7	100.0



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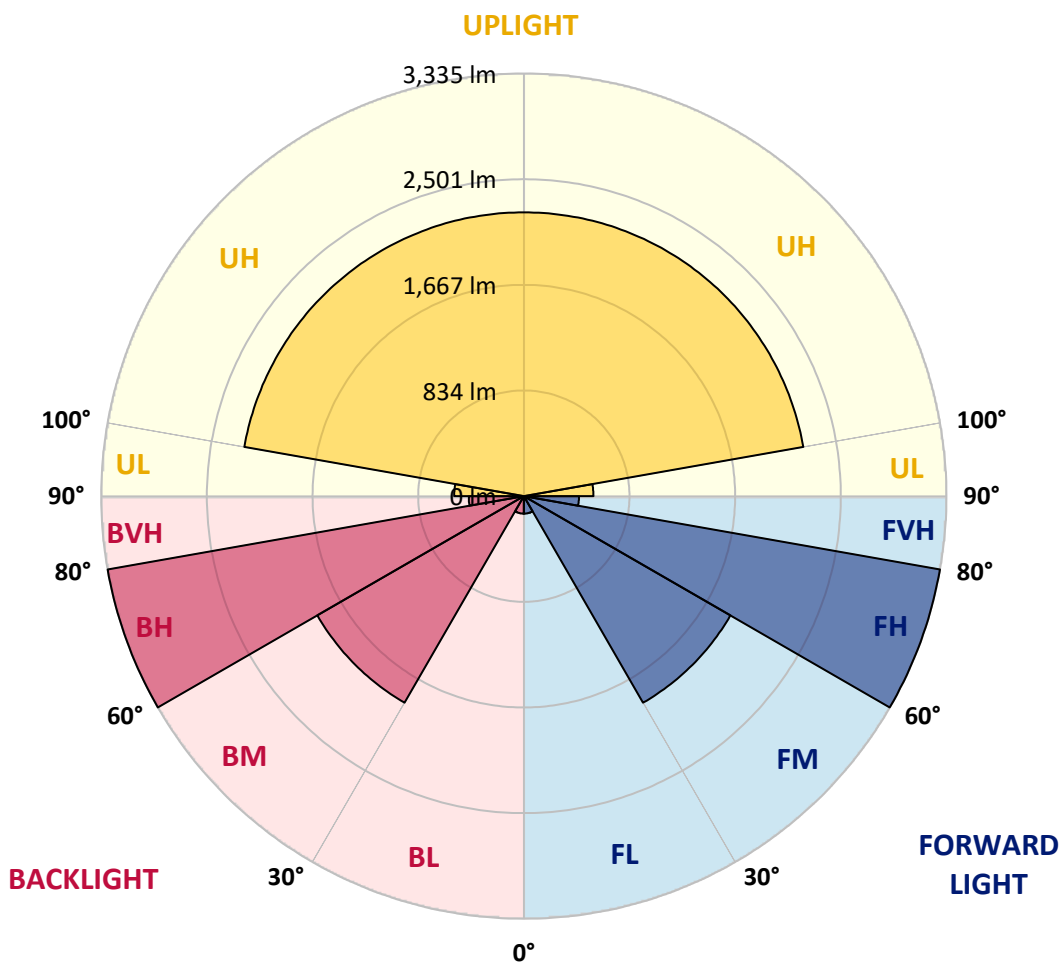
CATALOG NUMBER: FFX-CLB-90-750-U-FR-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.3	1.0			
FM (30°-60°)	1881.9	13.1			
FH (60°-80°)	3334.8	23.2			G2/5000
FVH (80°-90°)	434.9	3.0			G3/500
BL (0°-30°)	138.3	1.0	B1/500		
BM (30°-60°)	1881.9	13.1	B2/2500		
BH (60°-80°)	3334.8	23.2	B4/5000		G2/5000
BVH (80°-90°)	434.9	3.0			G3/500
UL (90°-100°)	549.4	3.8		U4/1000	
UH (100°-180°)	2239.3	15.6		U5	

BUG Rating: B4-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9
2.5°	112.8	112.8	111.3	109.8	111.3	112.8	112.8	114.2	111.3	111.3	112.8
5°	150.8	150.8	150.8	149.4	146.5	146.5	145.0	149.4	150.8	152.3	152.3
7.5°	187.5	186.0	188.9	190.4	183.1	180.1	180.1	181.6	184.5	187.5	190.4
10°	212.4	210.9	212.4	218.2	216.8	212.4	212.4	212.4	216.8	224.1	225.5
12.5°	250.4	250.4	253.4	257.8	259.2	254.8	251.9	251.9	257.8	259.2	257.8
15°	291.4	291.4	290.0	288.5	290.0	288.5	288.5	290.0	294.4	292.9	292.9
17.5°	313.4	311.9	310.5	311.9	311.9	310.5	311.9	314.9	313.4	317.8	319.3
20°	336.8	336.8	333.9	333.9	333.9	335.4	336.8	335.4	336.8	338.3	339.8
22.5°	358.8	358.8	357.3	355.9	357.3	358.8	360.3	357.3	357.3	360.3	360.3
25°	383.7	383.7	383.7	379.3	380.8	382.2	380.8	379.3	380.8	382.2	383.7
27.5°	411.5	411.5	408.6	404.2	405.7	405.7	407.1	404.2	407.1	407.1	407.1
30°	435.0	432.0	430.6	427.6	427.6	430.6	433.5	429.1	430.6	430.6	432.0
32.5°	456.9	456.9	455.5	449.6	448.1	456.9	459.9	458.4	452.5	454.0	455.5
35°	538.9	538.9	528.7	518.4	527.2	525.8	537.5	537.5	537.5	540.4	546.3
37.5°	641.5	645.9	662.0	685.4	685.4	651.7	634.1	632.7	656.1	676.6	675.2
40°	732.3	736.7	732.3	735.2	732.3	733.7	735.2	732.3	719.1	714.7	705.9
42.5°	845.0	846.5	818.7	786.5	789.4	805.5	824.5	826.0	798.2	785.0	782.1
45°	924.1	927.1	916.8	912.4	912.4	918.3	916.8	916.8	906.5	905.1	902.2
47.5°	1117.4	1111.6	1091.1	1083.8	1092.5	1088.2	1116.0	1108.7	1096.9	1096.9	1107.2
50°	1482.1	1476.3	1477.7	1470.4	1493.8	1460.1	1493.8	1485.0	1467.5	1476.3	1483.6
52.5°	2078.2	2041.6	2046.0	2031.3	2072.3	2041.6	2097.2	2089.9	2032.8	2057.7	2059.1
55°	2936.4	2889.5	2886.6	2788.5	2864.6	2874.9	2945.2	2962.8	2851.5	2852.9	2860.2
57.5°	3787.3	3772.6	3819.5	3758.0	3812.2	3787.3	3785.8	3818.0	3753.6	3762.4	3785.8
60°	4351.1	4362.9	4415.6	4431.7	4450.7	4415.6	4343.8	4358.5	4354.1	4428.8	4434.6
62.5°	4652.8	4688.0	4649.9	4638.2	4622.1	4635.3	4626.5	4635.3	4608.9	4644.0	4645.5
65°	4642.6	4698.2	4629.4	4586.9	4560.6	4601.6	4613.3	4639.7	4584.0	4562.0	4562.0
67.5°	4348.2	4415.6	4307.2	4302.8	4238.4	4307.2	4288.2	4308.7	4264.7	4234.0	4204.7
70°	3617.4	3678.9	3548.6	3564.7	3453.4	3566.1	3536.9	3574.9	3539.8	3479.7	3444.6
72.5°	2725.5	2779.7	2683.0	2707.9	2634.7	2719.6	2674.2	2738.7	2716.7	2690.4	2661.1
75°	2062.1	2104.5	2110.4	2193.9	2106.0	2147.0	2065.0	2103.1	2139.7	2170.4	2138.2
77.5°	1517.3	1546.6	1634.4	1726.7	1640.3	1669.6	1587.6	1624.2	1657.9	1710.6	1687.1
80°	1072.0	1105.7	1186.3	1255.1	1192.1	1218.5	1165.8	1186.3	1212.6	1250.7	1225.8
82.5°	834.8	823.1	820.1	802.6	783.5	849.4	862.6	874.3	849.4	839.2	827.5
85°	700.0	703.0	720.6	742.5	742.5	744.0	730.8	736.7	746.9	766.0	767.4
87.5°	642.9	651.7	701.5	719.1	711.8	714.7	703.0	705.9	713.2	723.5	720.6
90°	566.8	588.7	635.6	653.2	641.5	647.3	641.5	645.9	640.0	642.9	637.1
92.5°	553.6	552.1	566.8	565.3	558.0	575.6	575.6	578.5	571.2	566.8	563.8
95°	512.6	509.7	508.2	512.6	496.5	509.7	506.7	512.6	509.7	509.7	503.8
97.5°	429.1	429.1	426.2	430.6	420.3	426.2	418.9	423.3	421.8	423.3	418.9
100°	395.4	395.4	392.5	392.5	388.1	389.6	386.6	386.6	385.2	383.7	383.7
102.5°	372.0	374.9	370.5	372.0	366.1	366.1	363.2	364.7	363.2	363.2	361.7
105°	350.0	351.5	348.6	348.6	344.2	342.7	339.8	341.2	342.7	339.8	339.8
107.5°	328.1	329.5	328.1	328.1	323.7	320.7	316.3	316.3	317.8	319.3	319.3
110°	336.8	332.4	328.1	325.1	331.0	322.2	319.3	317.8	319.3	323.7	325.1



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 CATALOG NUMBER: FFX-CLB-90-750-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	402.7	399.8	399.8	386.6	401.3	392.5	386.6	376.4	380.8	383.7	383.7
115°	467.2	468.7	451.1	445.2	436.4	435.0	439.4	427.6	426.2	427.6	424.7
117.5°	524.3	493.5	427.6	410.1	405.7	402.7	399.8	396.9	394.0	411.5	392.5
120°	560.9	508.2	459.9	449.6	474.5	439.4	415.9	411.5	420.3	451.1	446.7
122.5°	795.2	749.8	714.7	653.2	714.7	679.5	688.3	672.2	663.4	645.9	648.8
125°	930.0	928.5	912.4	900.7	915.3	902.2	887.5	881.7	872.9	877.3	869.9
127.5°	864.1	877.3	856.8	880.2	827.5	842.1	839.2	849.4	840.6	843.6	831.9
130°	683.9	694.2	675.2	663.4	640.0	666.4	667.8	683.9	666.4	642.9	640.0
132.5°	597.5	604.9	575.6	560.9	544.8	568.2	578.5	587.3	575.6	550.7	544.8
135°	508.2	511.1	490.6	493.5	483.3	483.3	481.8	486.2	492.1	487.7	484.8
137.5°	436.4	443.8	436.4	445.2	436.4	429.1	417.4	421.8	435.0	445.2	443.8
140°	377.9	385.2	386.6	395.4	377.9	380.8	373.5	376.4	383.7	394.0	398.4
142.5°	335.4	341.2	328.1	320.7	314.9	332.4	345.6	347.1	338.3	326.6	331.0
145°	326.6	320.7	326.6	320.7	326.6	323.7	325.1	323.7	323.7	323.7	323.7
147.5°	331.0	336.8	336.8	336.8	328.1	329.5	331.0	332.4	332.4	338.3	336.8
150°	275.3	282.7	281.2	288.5	275.3	278.3	279.7	282.7	284.1	285.6	287.0
152.5°	232.9	234.3	238.7	241.6	240.2	238.7	237.3	237.3	240.2	243.1	244.6
155°	227.0	227.0	231.4	235.8	231.4	231.4	229.9	229.9	231.4	235.8	235.8
157.5°	218.2	219.7	219.7	222.6	219.7	221.1	219.7	219.7	221.1	222.6	224.1
160°	213.8	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	216.8	216.8
162.5°	213.8	213.8	213.8	212.4	212.4	213.8	213.8	213.8	213.8	212.4	213.8
165°	218.2	216.8	215.3	213.8	215.3	218.2	219.7	219.7	218.2	215.3	216.8
167.5°	227.0	227.0	225.5	224.1	225.5	227.0	228.5	228.5	227.0	225.5	225.5
170°	235.8	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3
172.5°	241.6	241.6	243.1	241.6	243.1	243.1	241.6	241.6	241.6	241.6	243.1
175°	250.4	250.4	250.4	250.4	251.9	251.9	251.9	251.9	251.9	251.9	251.9
177.5°	256.3	256.3	256.3	256.3	256.3	256.3	256.3	256.3	256.3	256.3	256.3
180°	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8

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: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

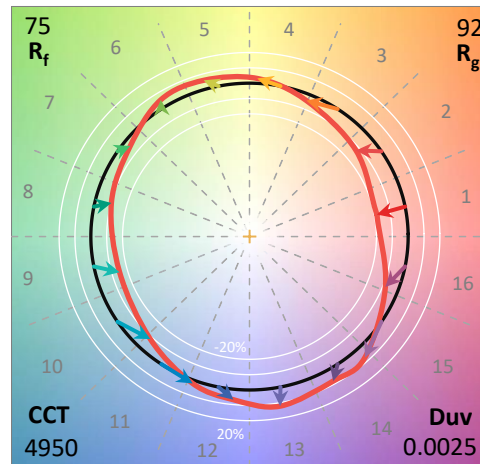
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-5
 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-100-750-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 4950
 CIE u': 0.2102
 CIE v': 0.4882
 Duv: 0.0025
 CIE x: 0.3471
 CIE y: 0.3583
 CIE z: 0.2946
 Peak Wavelength (nm): 452
 Dominant Wavelength (nm): 571
 Purity: 11.64963
 Rf: 74.8
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



Test Conditions

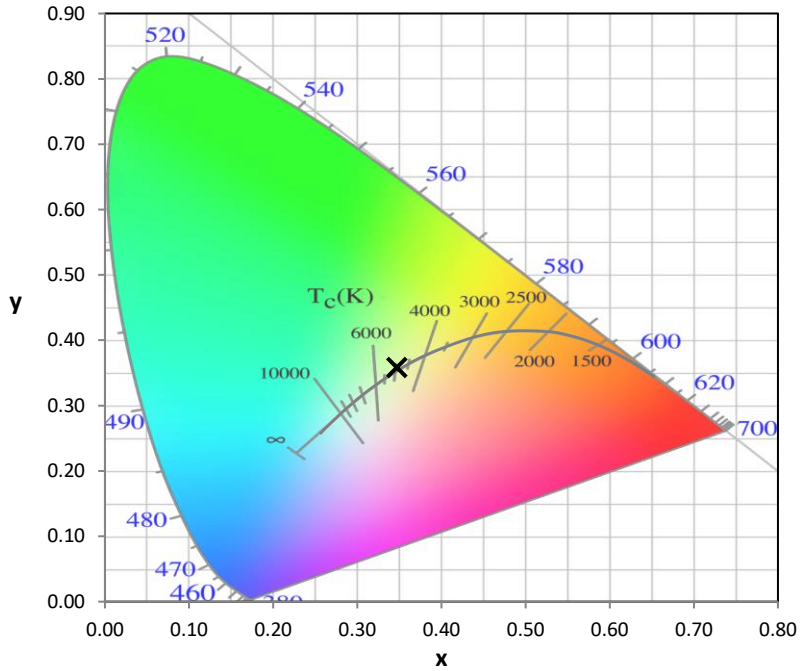
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-5

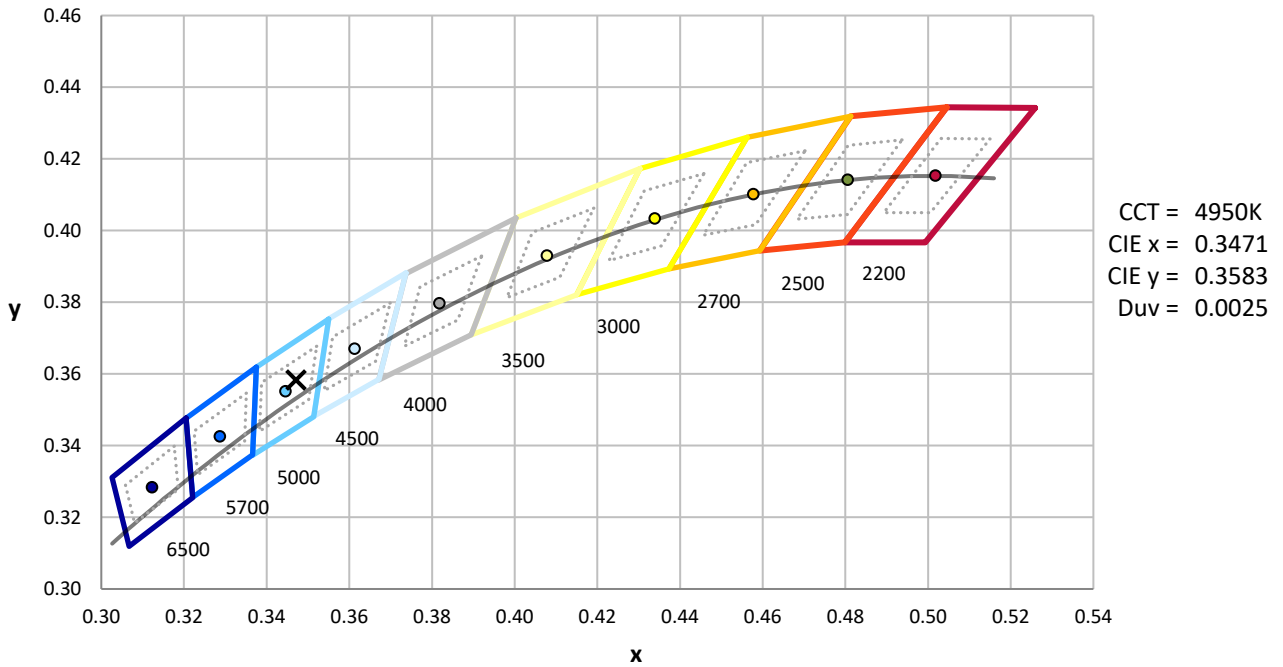
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



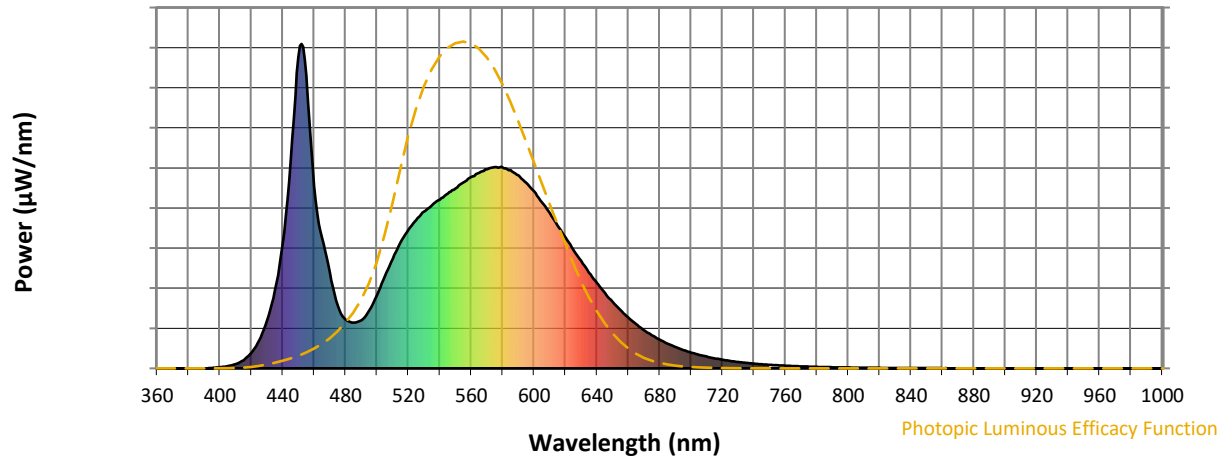
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

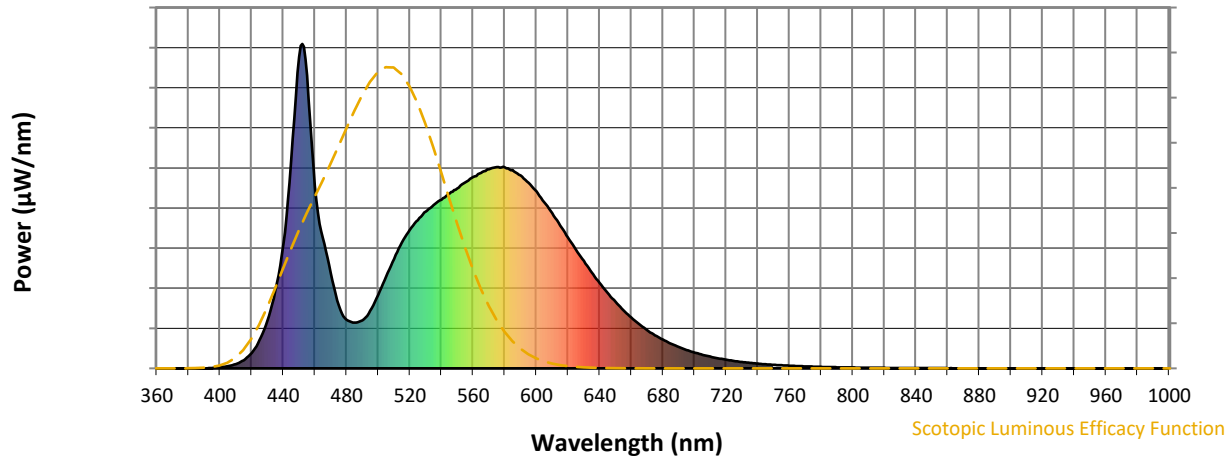


Photopic Lumens: NR

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.8

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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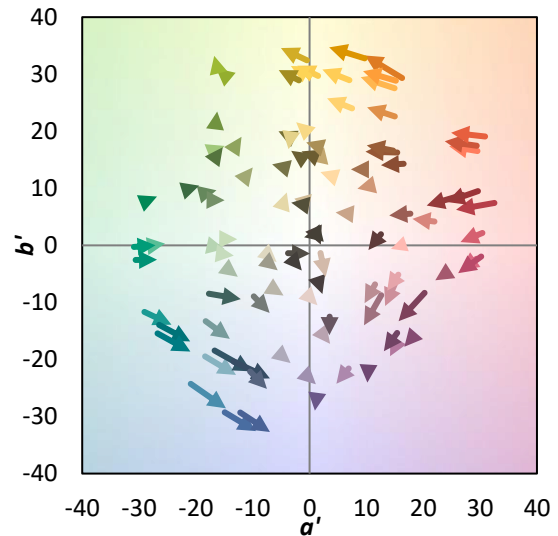
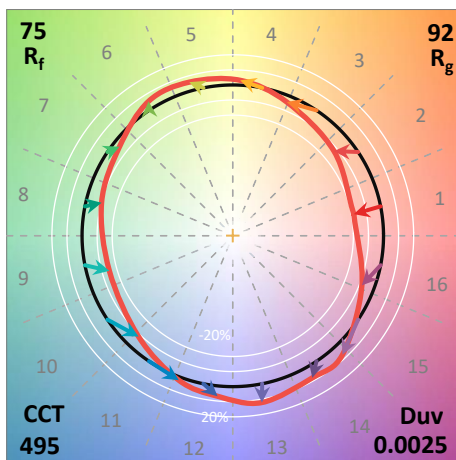
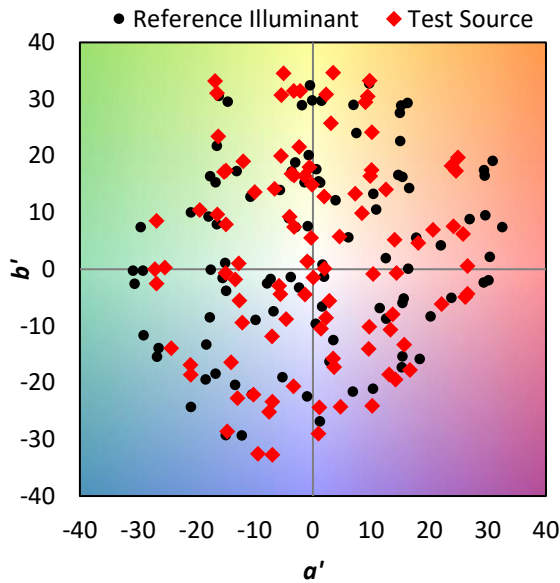
TM-30-18

Summary

$R_f = 74.8$
 $R_g = 92.4$
 CIE $R_a = 73.0$
 $R_9 = -35.4$



Color Vector Graphics

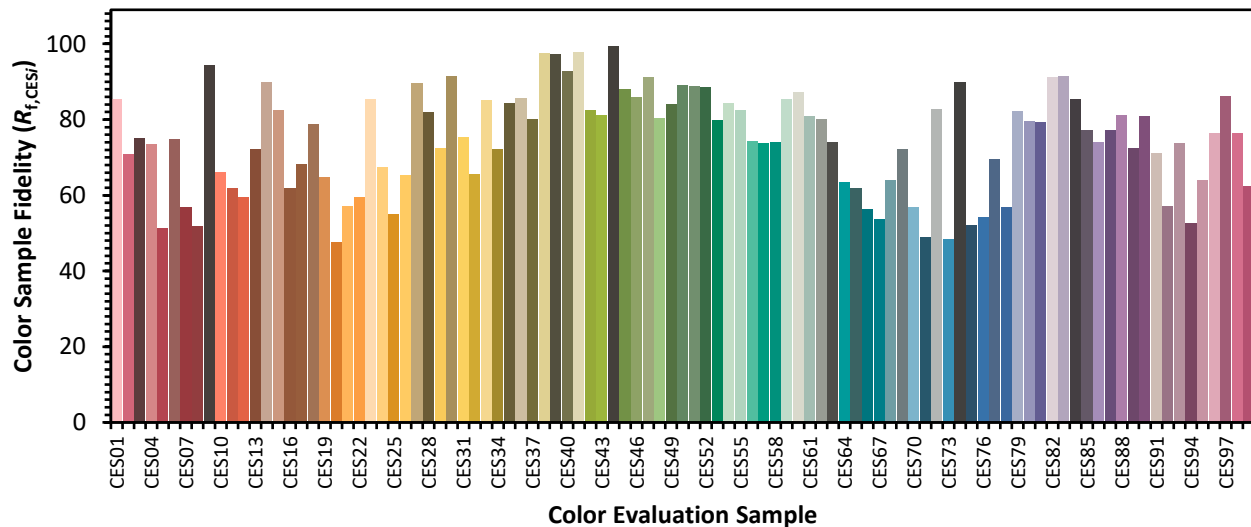


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Individual Sample Fidelity Index ($R_{f,i}$)

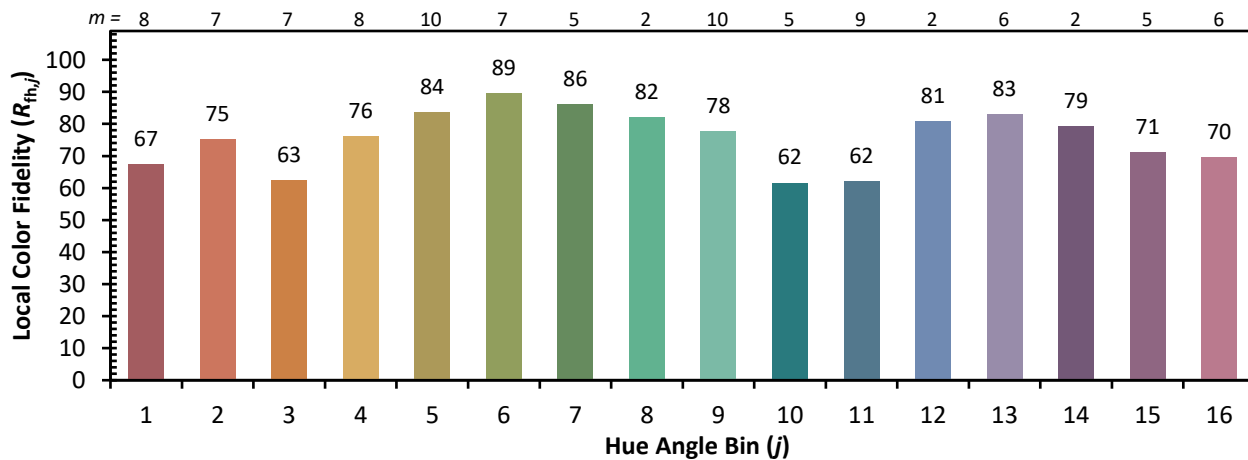
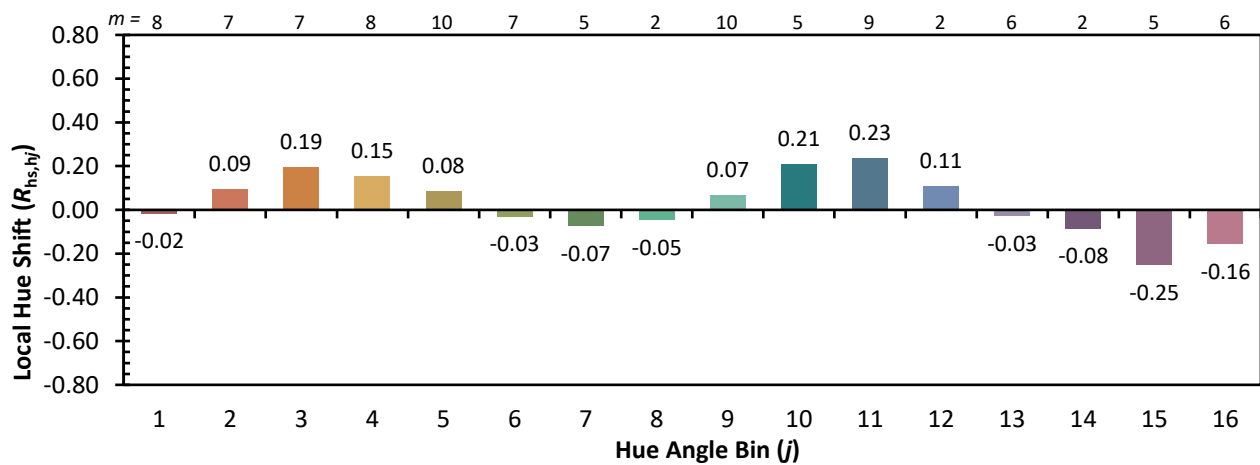
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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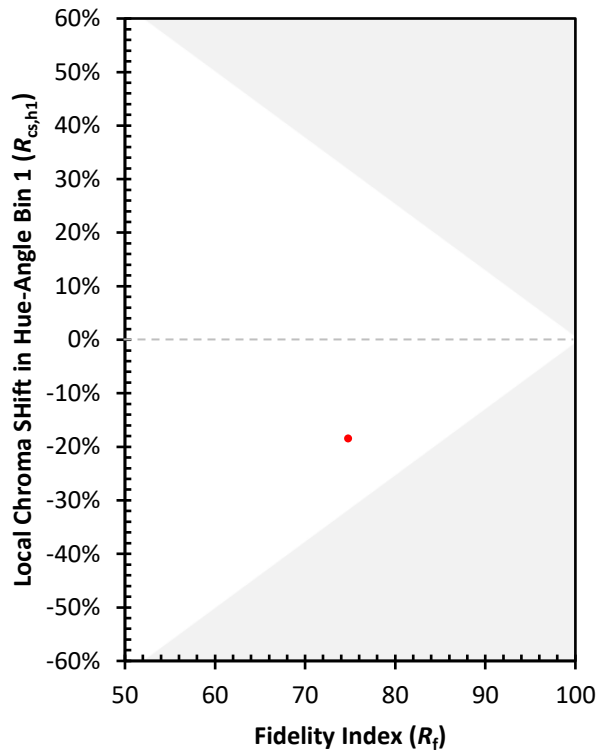
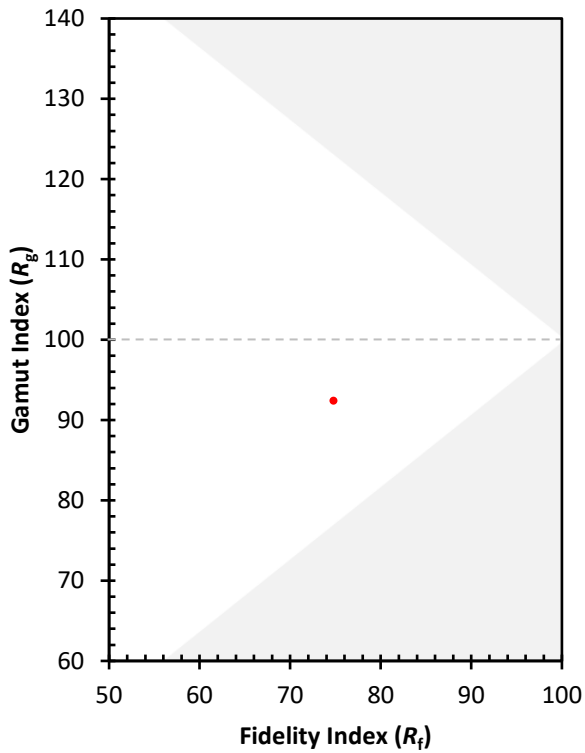
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)