

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: P856322

Luminaire Tested: **FFX-CLB-50-750-U-FG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856322
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-50-750-U-FG
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

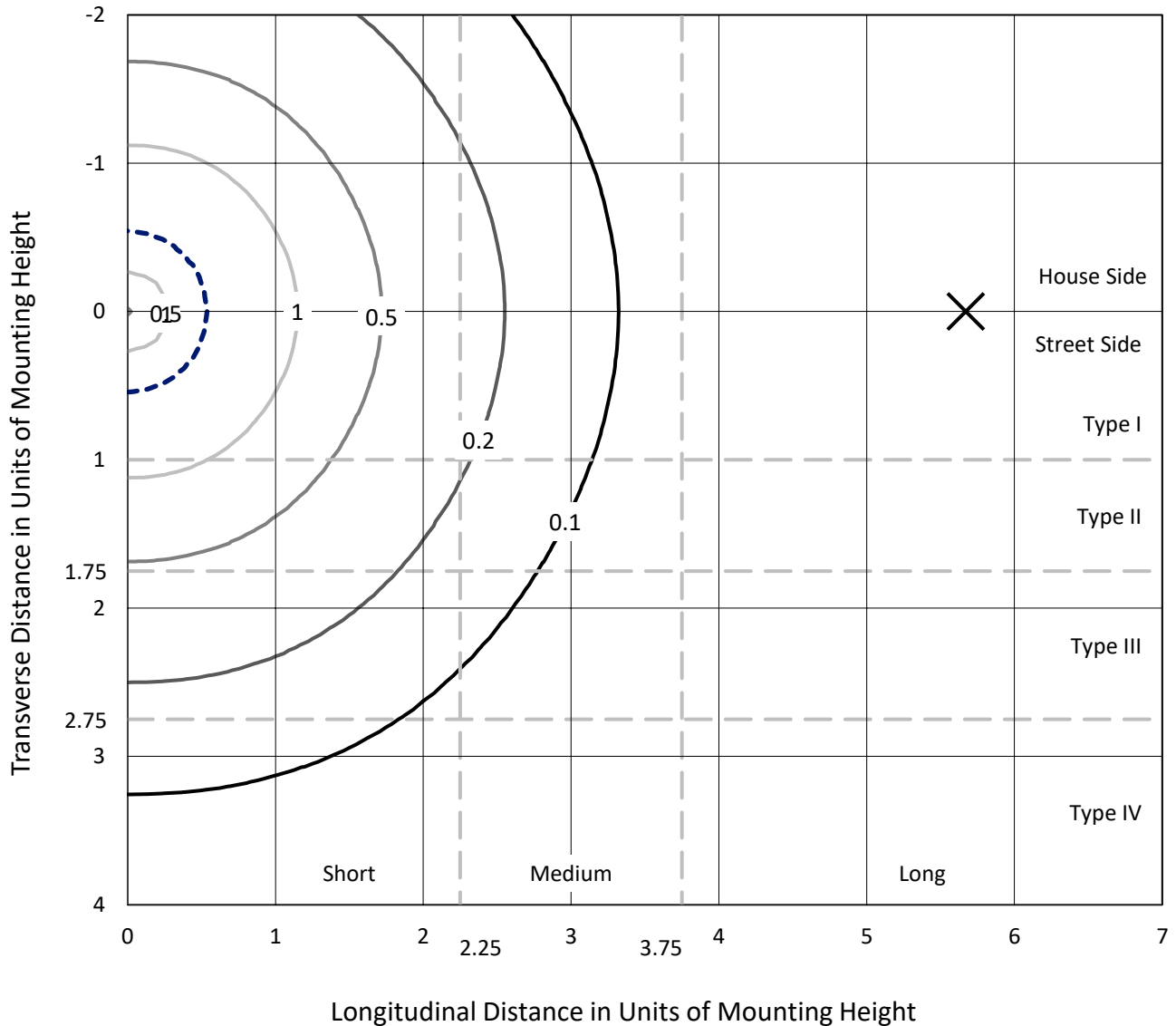
Lumens per Lamp: N/A
Luminaire Lumens: 8478.8 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

Input Watts (W): 50.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.0%%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P856322
 CATALOG NUMBER: FFX-CLB-50-750-U-FG

Iso-Footcandle Lines of Horizontal Illumination

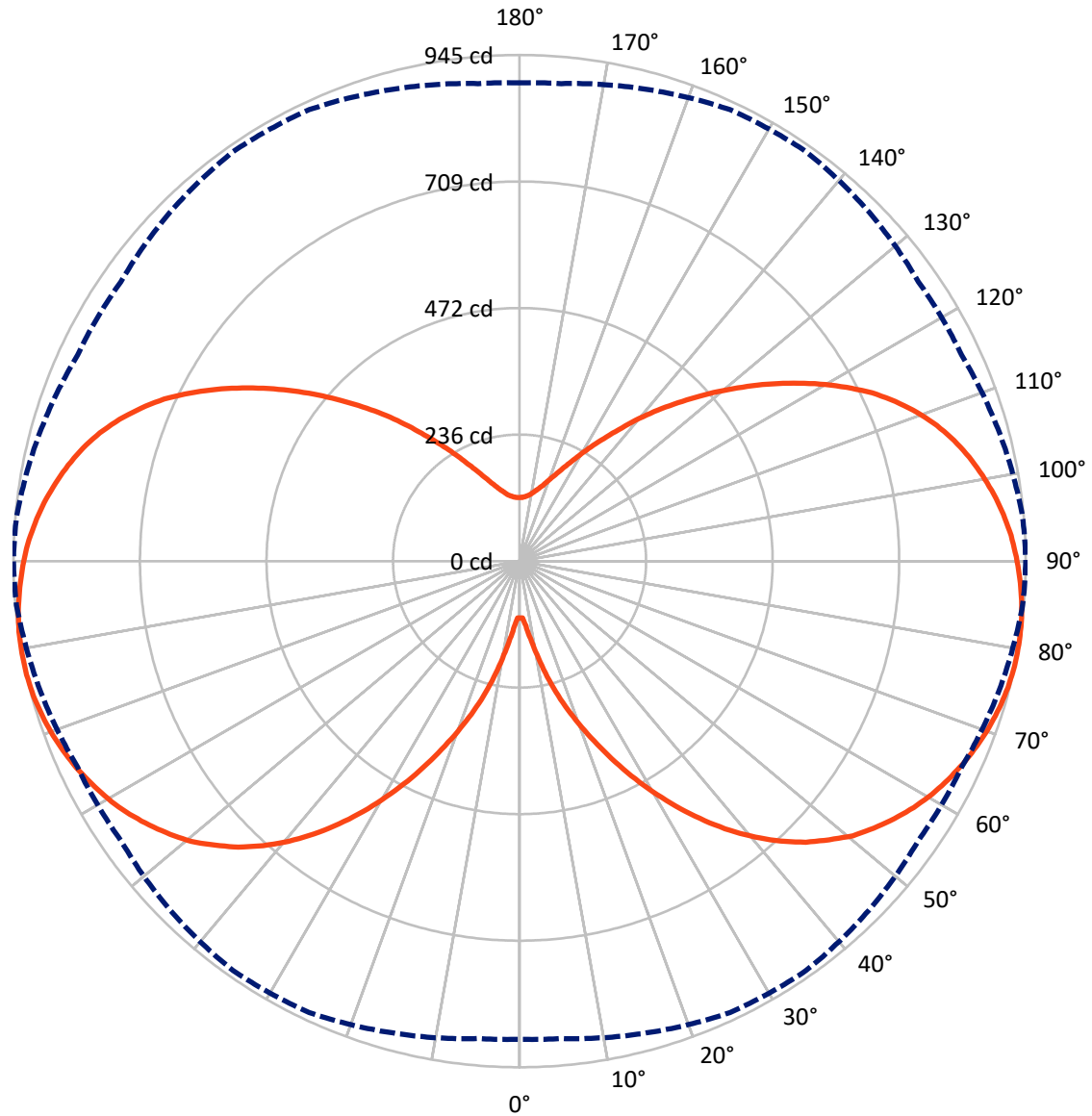
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 80-Deg Vertical

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 CATALOG NUMBER: FFX-CLB-50-750-U-FG

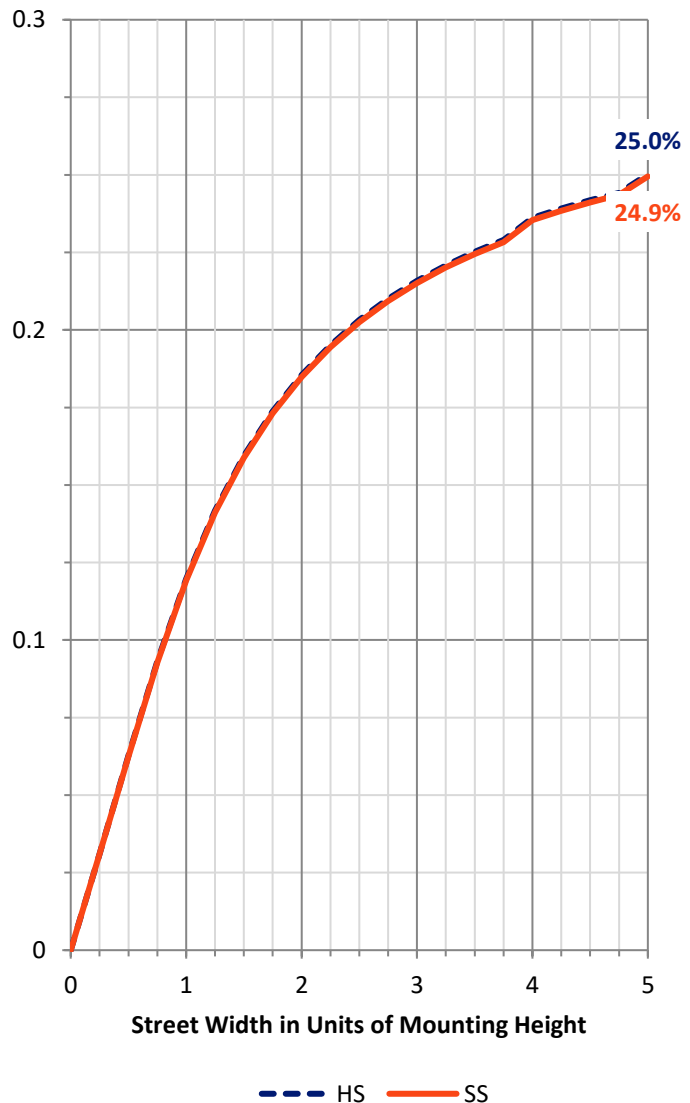
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2412.3	1827.1	4239.4
	% Fixture	28.5	21.5	50.0
Street Side	Lumens	2412.3	1827.1	4239.4
	% Fixture	28.5	21.5	50.0
Total	Lumens	4824.6	3654.2	8478.8
	% Fixture	56.9	43.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.2
10°-20°	74.0	0.9
20°-30°	194.5	2.3
30°-40°	371.9	4.4
40°-50°	571.7	6.7
50°-60°	749.0	8.8
60°-70°	883.9	10.4
70°-80°	969.7	11.4
80°-90°	996.3	11.8
90°-100°	959.9	11.3
100°-110°	860.7	10.2
110°-120°	699.4	8.2
120°-130°	499.8	5.9
130°-140°	316.1	3.7
140°-150°	177.0	2.1
150°-160°	89.1	1.1
160°-170°	40.5	0.5
170°-180°	11.7	0.1
0°-90°	4824.6	56.9
0°-180°	8478.8	100.0



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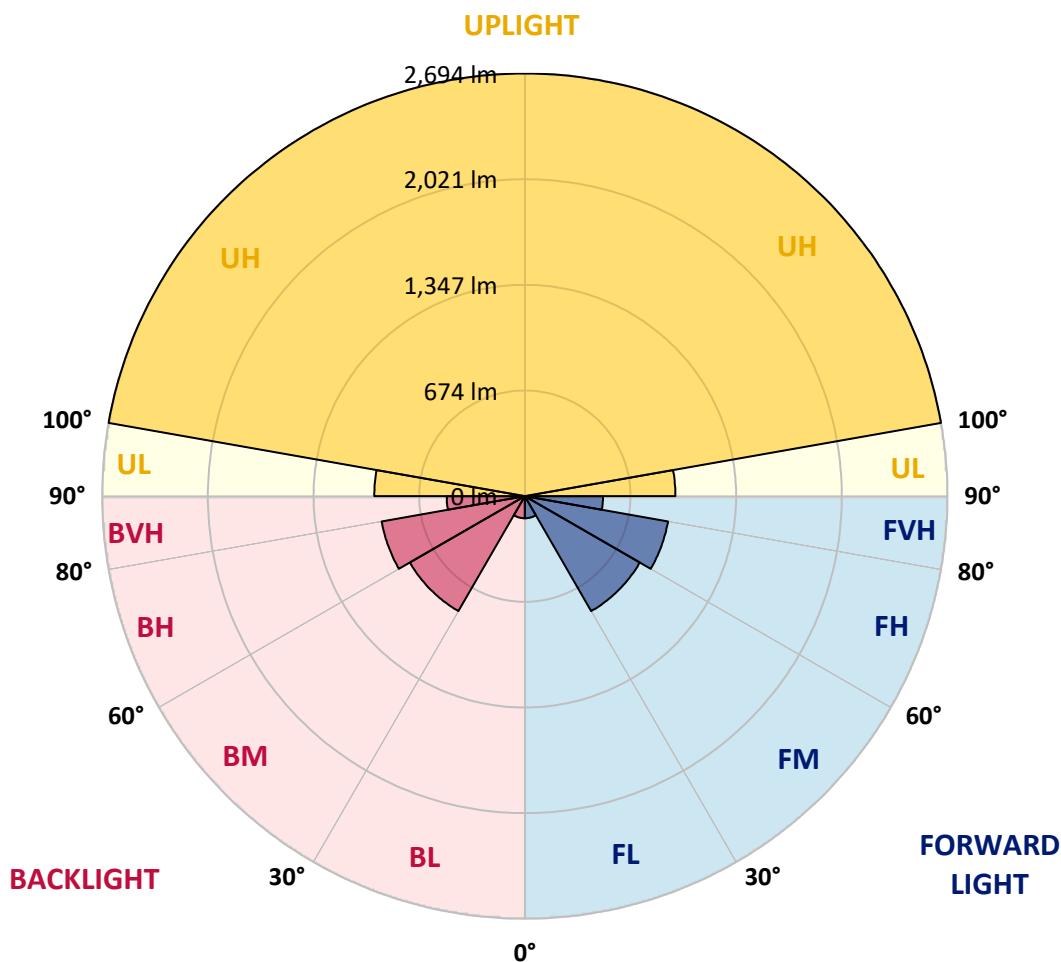
CATALOG NUMBER: FFX-CLB-50-750-U-FG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.0	1.7			
FM (30°-60°)	846.3	10.0			
FH (60°-80°)	926.8	10.9			G1/1800
FVH (80°-90°)	498.2	5.9			G3/500
BL (0°-30°)	141.0	1.7	B1/500		
BM (30°-60°)	846.3	10.0	B1/1000		
BH (60°-80°)	926.8	10.9	B2/1000		G1/1800
BVH (80°-90°)	498.2	5.9			G3/500
UL (90°-100°)	959.9	11.3		U4/1000	
UH (100°-180°)	2694.3	31.8		U5	

BUG Rating: B2-U5-G3

Type V Short





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 CATALOG NUMBER: FFX-CLB-50-750-U-FG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4
2.5°	111.7	111.7	111.1	110.1	109.6	109.1	108.0	106.4	105.9	105.9	105.9
5°	121.6	122.1	122.1	121.6	122.1	121.1	121.1	120.0	120.5	120.5	121.1
7.5°	146.1	146.1	146.6	146.6	147.1	146.1	146.6	146.1	146.6	146.6	146.6
10°	177.9	177.9	179.0	177.9	178.4	177.4	176.9	176.9	178.4	177.9	177.4
12.5°	213.9	215.0	214.4	213.9	215.0	213.9	212.9	213.4	215.5	214.4	213.9
15°	252.0	253.1	254.1	252.5	253.1	252.5	252.0	252.5	254.6	253.6	253.1
17.5°	290.6	291.2	292.2	290.1	290.6	291.2	290.6	291.2	292.7	292.2	291.7
20°	329.2	330.3	331.3	329.2	329.8	330.3	329.8	330.3	332.4	331.3	330.8
22.5°	369.9	370.5	372.5	369.9	371.0	371.5	370.5	371.5	373.6	372.5	372.0
25°	412.2	411.7	414.8	412.7	413.2	414.3	413.2	414.3	416.9	416.9	415.3
27.5°	455.5	455.5	458.1	456.6	457.6	457.1	458.1	459.2	461.8	462.3	460.7
30°	498.8	498.8	503.0	500.4	501.9	502.5	502.5	503.5	506.6	507.7	505.6
32.5°	542.1	542.1	544.2	544.7	545.8	546.3	547.3	547.3	551.5	552.0	551.0
35°	584.4	584.4	586.5	587.5	590.1	589.1	590.6	590.6	595.3	595.9	595.3
37.5°	624.6	625.1	627.7	628.7	630.8	630.8	631.9	632.9	637.1	638.7	638.1
40°	662.7	663.7	665.8	667.9	670.0	670.0	670.5	672.0	676.7	678.3	677.8
42.5°	697.1	697.6	700.7	703.9	706.0	706.0	706.5	707.5	712.7	714.8	714.8
45°	727.4	728.9	733.1	737.3	739.4	738.8	738.8	740.4	746.1	748.7	748.7
47.5°	755.5	757.6	762.3	766.5	768.6	768.6	768.1	769.6	775.9	779.0	777.4
50°	780.6	782.1	787.4	793.6	795.2	795.2	793.6	795.2	802.0	806.1	806.1
52.5°	801.4	803.0	809.3	816.1	818.1	817.6	815.5	817.1	823.9	828.6	828.1
55°	819.2	821.3	828.1	836.4	838.5	836.9	834.3	835.9	843.2	849.4	848.9
57.5°	835.4	836.9	844.8	853.6	856.8	854.1	850.5	852.1	860.4	867.2	867.7
60°	848.9	850.5	859.4	869.8	872.4	869.3	864.6	866.1	875.5	883.4	884.4
62.5°	860.4	862.0	871.9	883.4	887.0	882.3	876.6	878.1	888.6	897.5	898.0
65°	869.8	871.4	882.8	894.8	898.5	893.3	886.5	888.1	899.5	909.5	910.5
67.5°	877.1	879.2	892.2	905.3	908.4	902.1	894.3	895.9	908.4	919.9	920.9
70°	883.4	886.0	899.5	913.6	917.3	910.0	900.6	902.7	916.8	928.2	929.8
72.5°	888.1	890.7	905.3	920.4	924.6	915.7	905.3	907.4	922.5	935.0	936.6
75°	891.2	893.8	909.5	925.6	929.3	919.9	908.4	910.5	926.2	939.7	941.8
77.5°	892.8	895.4	912.1	928.8	932.4	921.5	909.5	911.5	927.7	942.3	944.4
80°	892.8	894.8	912.1	929.8	932.9	922.0	908.9	910.5	927.2	942.8	944.9
82.5°	891.2	893.3	911.0	928.8	931.9	919.9	906.3	908.4	925.6	941.3	943.9
85°	887.5	889.6	907.4	925.6	928.8	915.7	901.6	903.7	920.9	937.6	940.2
87.5°	882.3	884.9	902.1	920.4	923.0	909.5	895.9	896.9	915.2	932.4	934.5
90°	876.1	878.7	894.8	913.1	915.7	902.1	888.1	889.6	907.4	925.1	927.2
92.5°	868.8	870.8	886.5	903.2	906.3	892.2	878.7	880.8	898.5	916.2	918.8
95°	859.4	860.9	875.5	891.2	893.8	881.3	867.7	869.8	887.5	904.8	907.4
97.5°	847.9	848.9	862.0	876.1	879.2	867.2	854.7	856.8	874.0	891.2	894.3
100°	834.8	835.4	846.8	858.8	861.5	851.5	840.1	842.7	858.8	876.6	878.7
102.5°	819.7	819.7	829.1	839.0	842.1	833.8	823.9	826.5	842.1	858.8	861.5
105°	803.0	801.4	808.2	816.1	819.7	813.4	806.1	808.2	822.8	839.0	842.1
107.5°	782.1	780.6	785.3	792.1	795.7	791.0	785.3	788.4	800.9	816.1	819.2
110°	758.7	756.6	758.7	763.9	768.1	764.9	761.8	764.4	776.4	790.5	792.6



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 CATALOG NUMBER: FFX-CLB-50-750-U-FG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	731.5	728.9	729.4	733.1	736.7	736.2	734.1	738.3	748.2	759.7	762.3
115°	700.2	697.6	696.0	698.1	701.3	703.4	705.4	708.0	715.9	725.3	729.4
117.5°	667.4	663.2	660.6	660.6	664.2	667.9	671.5	675.2	680.4	689.3	690.8
120°	629.3	626.7	623.0	623.0	626.1	629.8	635.5	639.7	642.8	649.1	651.2
122.5°	591.7	588.0	584.4	584.4	586.5	591.7	599.5	603.2	604.7	608.4	610.0
125°	553.6	549.4	545.3	545.3	547.3	552.6	561.4	564.6	565.6	567.2	568.7
127.5°	515.0	510.8	507.2	505.6	508.7	512.9	521.8	525.9	526.5	526.5	527.5
130°	476.4	473.3	469.6	468.0	471.2	474.8	484.7	488.9	486.8	486.8	487.3
132.5°	439.9	436.7	433.1	432.0	434.1	438.8	447.7	451.3	449.8	447.7	448.2
135°	404.4	401.8	397.1	396.5	399.7	401.8	410.1	413.8	412.2	410.1	410.6
137.5°	370.5	367.9	363.7	363.2	366.3	368.9	375.2	378.8	376.7	374.6	375.2
140°	338.1	335.0	331.8	331.3	333.4	336.0	341.8	343.8	341.8	340.2	340.7
142.5°	307.8	305.8	302.1	302.1	303.2	305.2	309.9	312.0	309.9	307.8	306.8
145°	279.1	276.5	274.5	273.9	275.0	277.1	280.2	282.3	280.2	278.6	277.6
147.5°	253.6	251.5	249.4	249.4	249.9	251.5	254.1	254.6	253.1	252.0	251.0
150°	230.1	228.0	227.0	226.5	227.0	227.5	229.6	230.6	229.1	228.0	227.0
152.5°	208.7	207.1	206.1	206.6	206.6	207.1	207.7	208.2	206.6	206.6	205.6
155°	189.9	188.9	187.8	188.4	188.4	188.4	188.9	188.9	187.8	187.8	187.3
157.5°	174.3	173.2	172.7	173.2	173.2	172.7	173.2	173.2	172.2	172.2	171.7
160°	160.7	159.7	159.7	159.7	159.7	159.1	160.2	159.7	159.1	158.6	158.6
162.5°	149.7	148.7	148.7	149.2	148.7	148.7	148.7	148.7	148.2	148.2	147.7
165°	140.9	139.8	139.8	140.4	139.8	139.8	139.8	139.8	139.3	139.3	139.3
167.5°	133.6	133.1	133.1	133.1	133.1	132.5	133.1	133.1	132.5	132.5	132.5
170°	127.8	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	126.8	126.8
172.5°	124.2	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.1	123.1	123.1
175°	121.6	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	120.5	120.5
177.5°	120.0	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.0	119.0
180°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0

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.

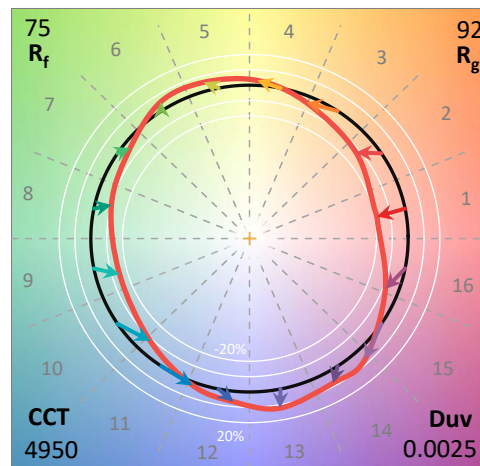
Test Information

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

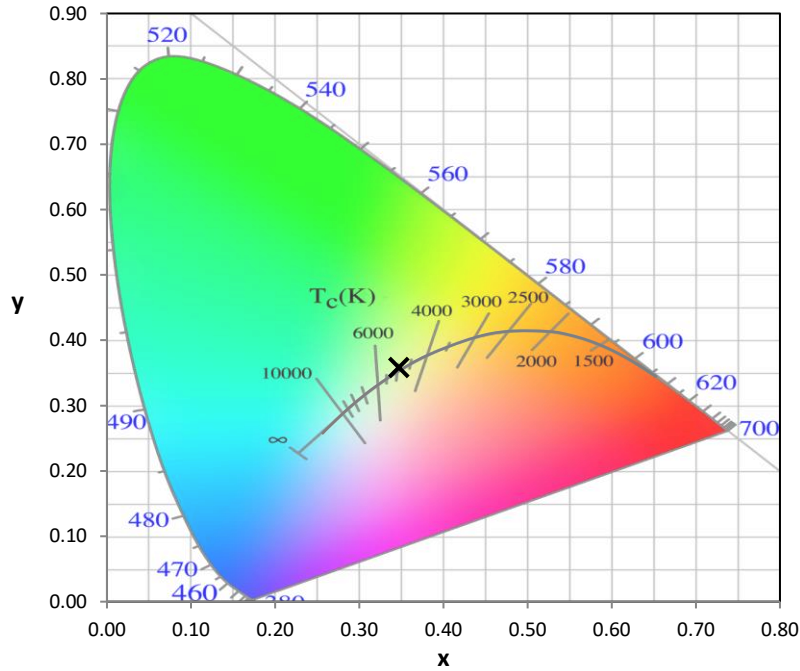
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-5

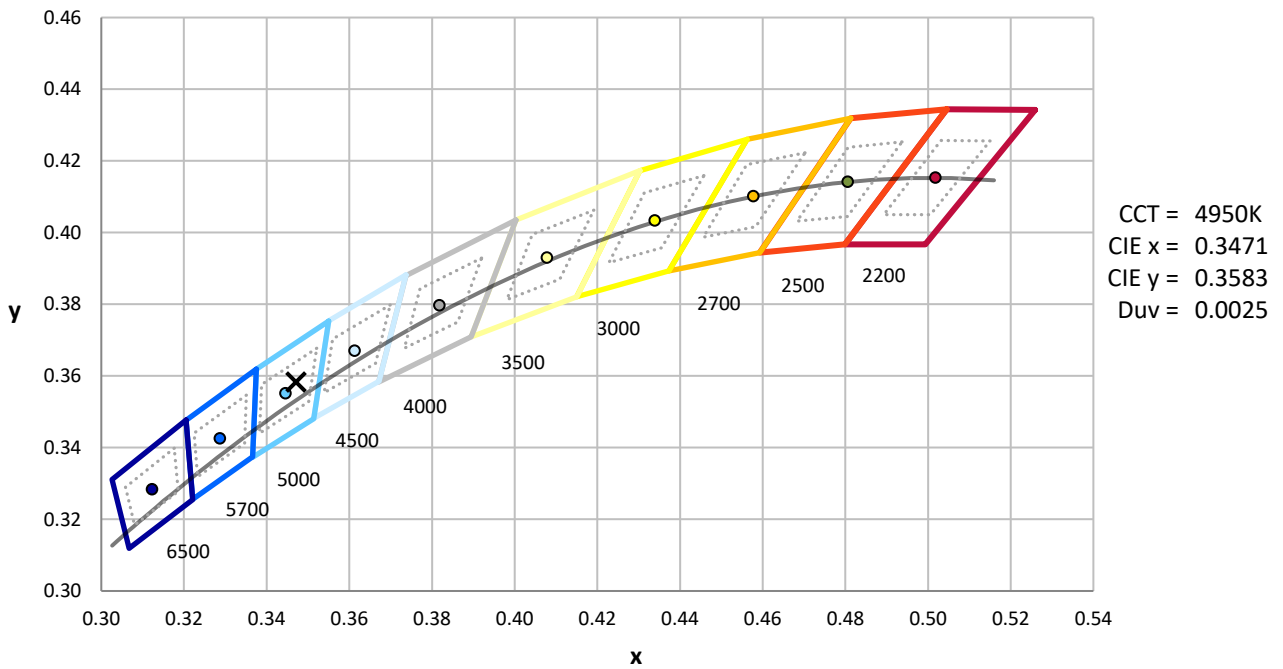
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



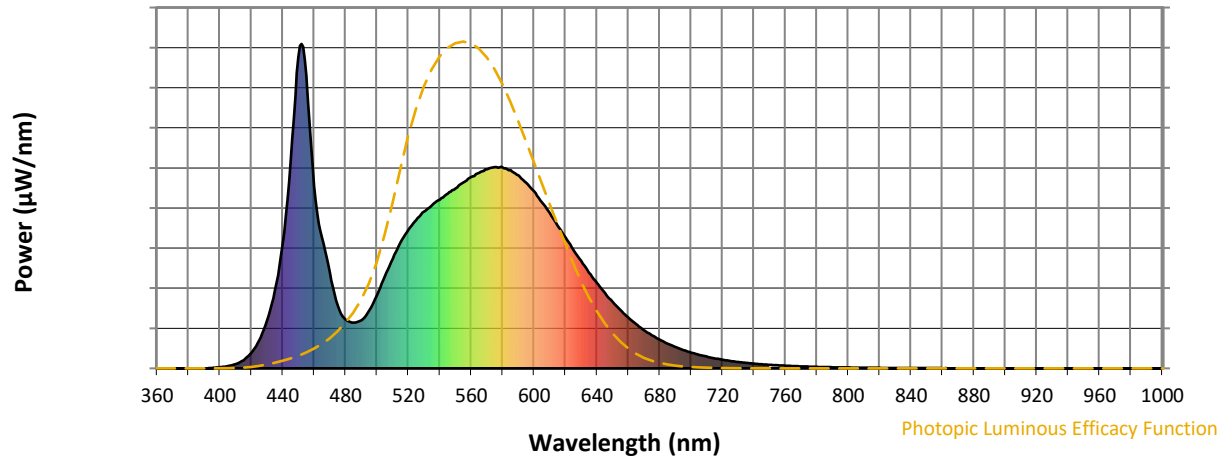
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

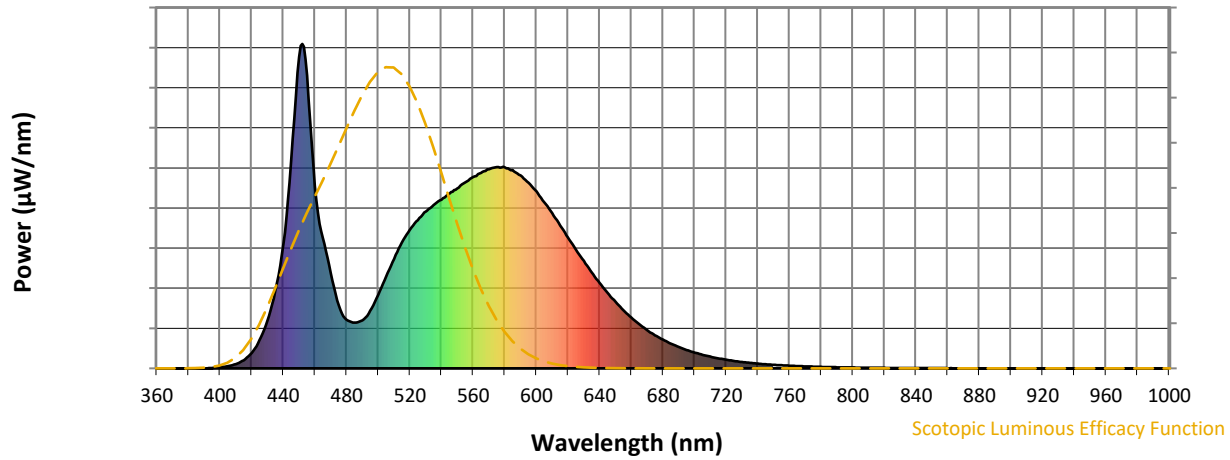


Photopic Lumens: NR

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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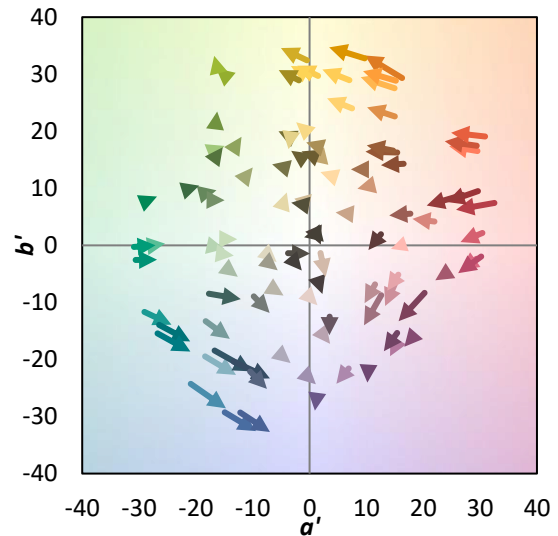
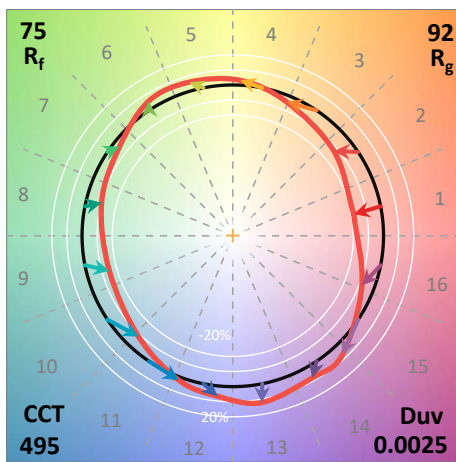
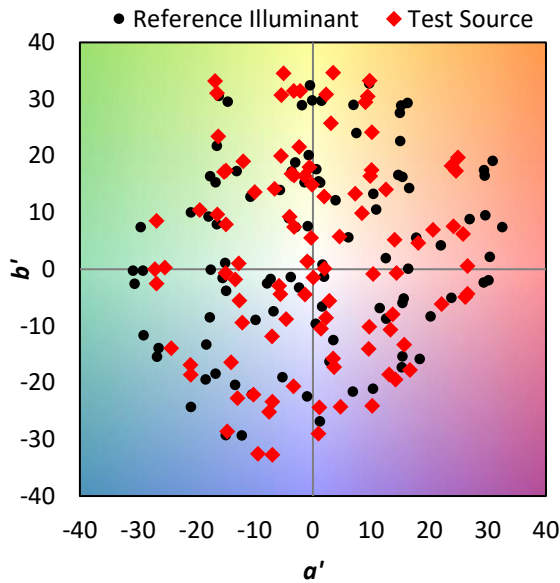
TM-30-18

Summary

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



Color Vector Graphics

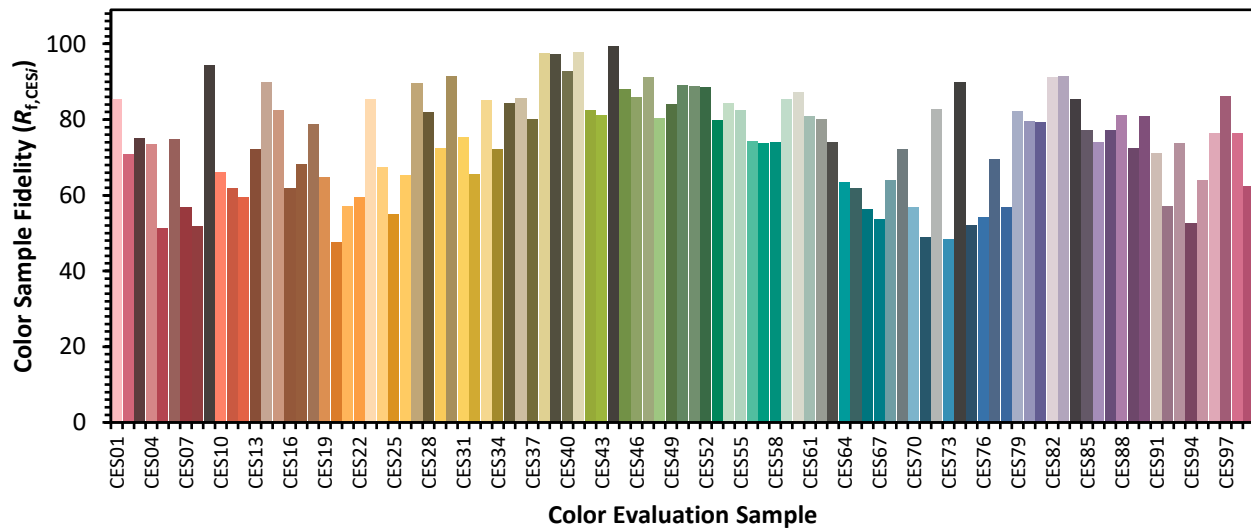


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Individual Sample Fidelity Index ($R_{f,i}$)

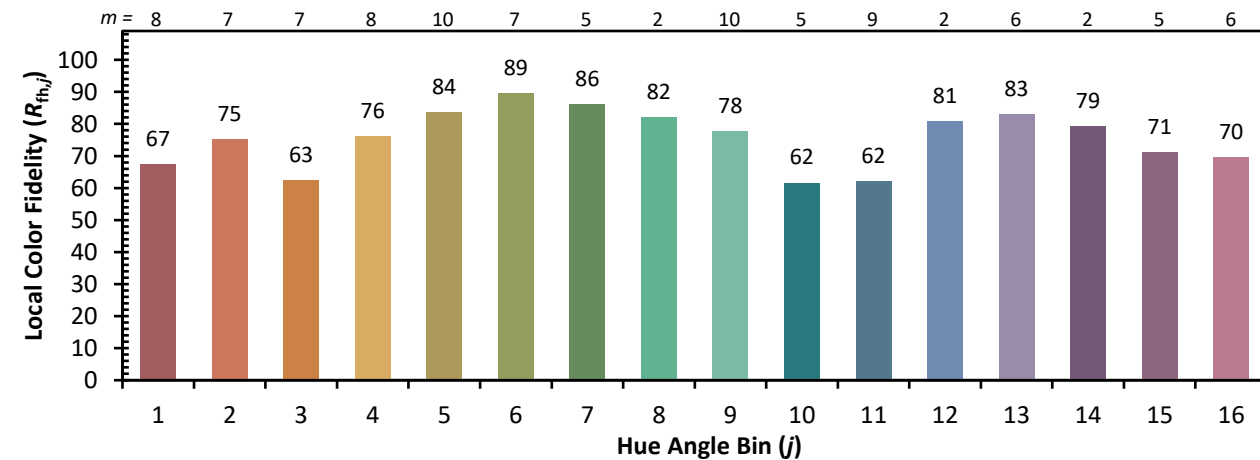
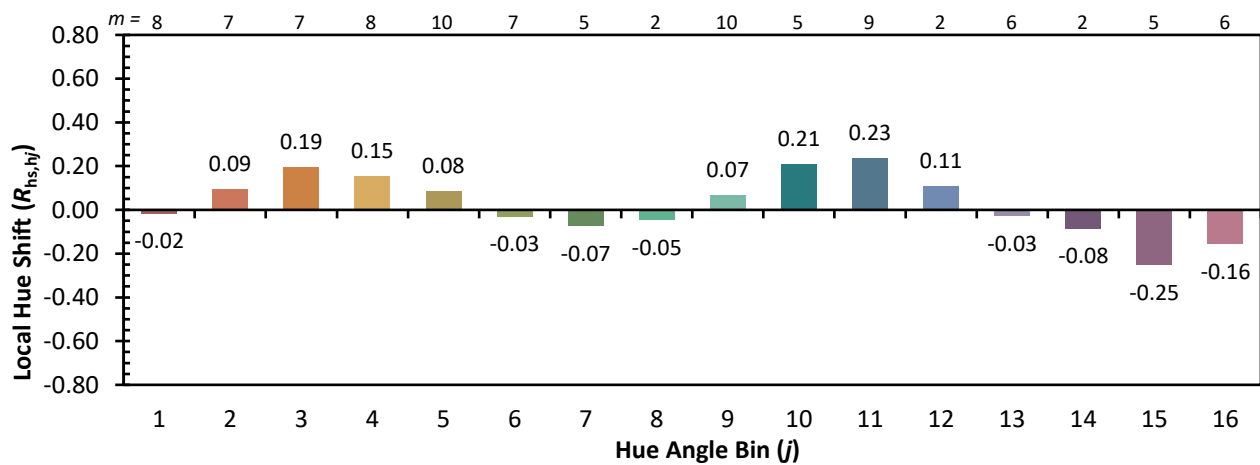
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 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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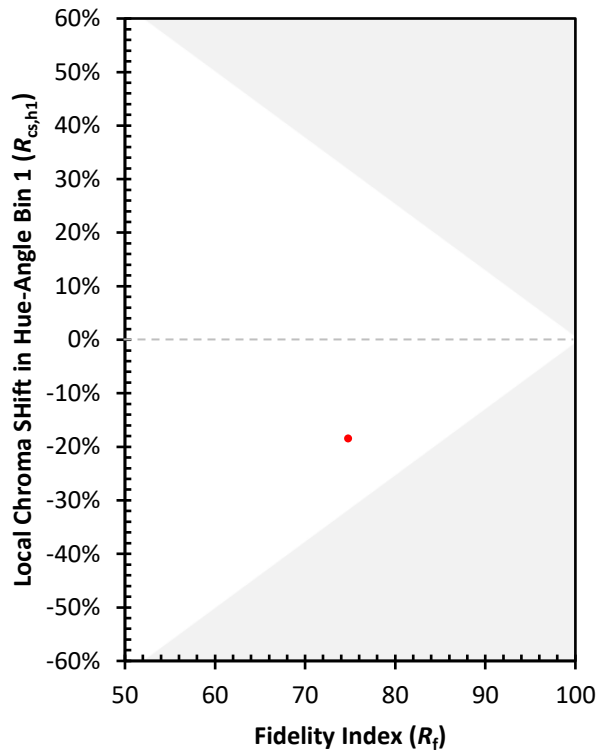
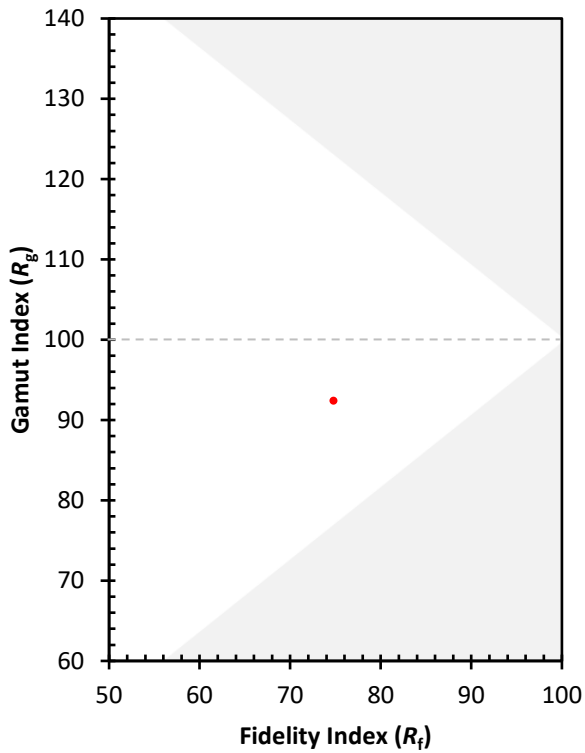
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)