

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: P856175

Luminaire Tested: **FFX-CLB-80-740-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856175
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-80-740-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

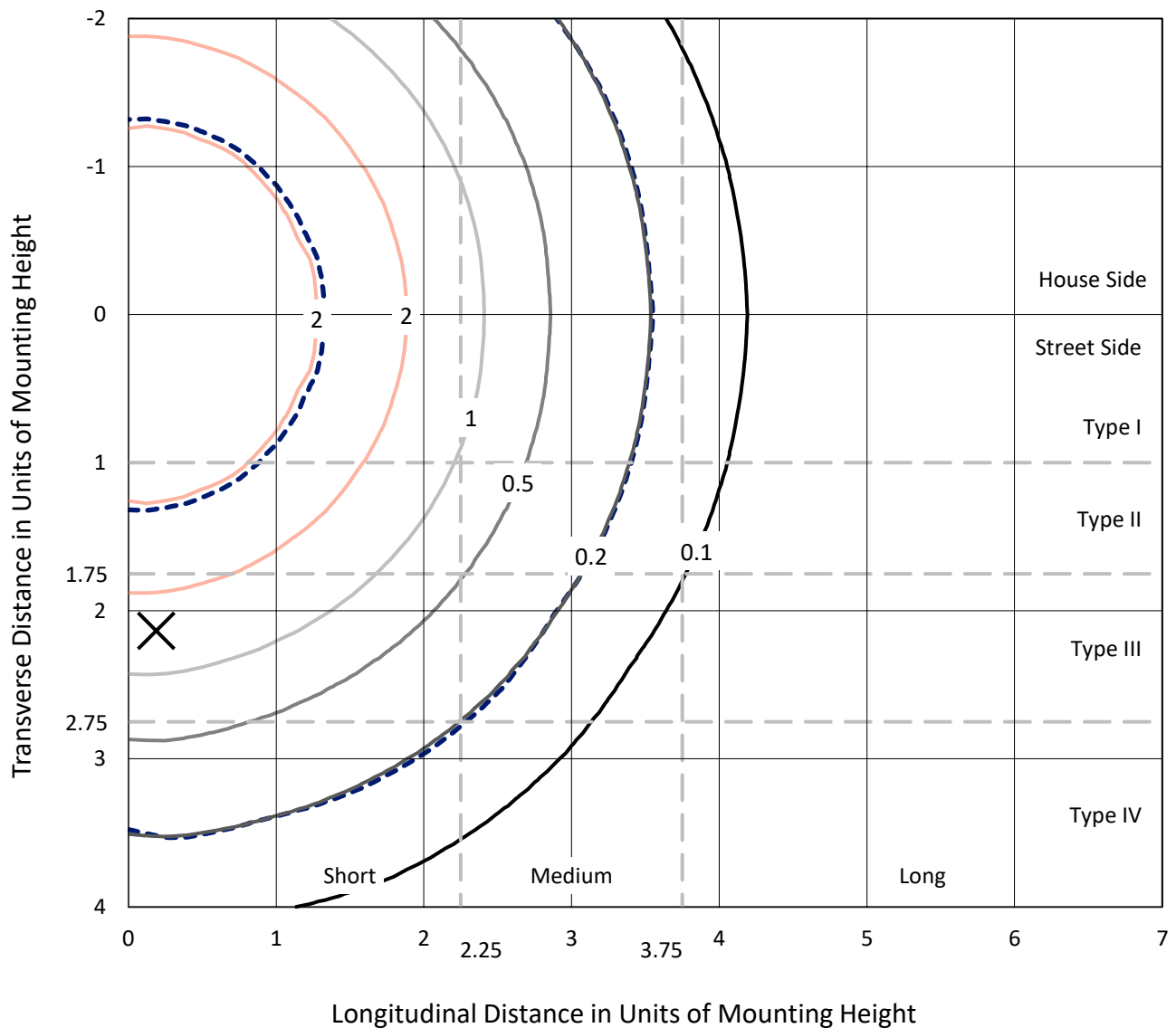
Lumens per Lamp: N/A
Luminaire Lumens: 12940 lumens
Efficiency: N/A
Efficacy: 160.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U5 - G3

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.1%%
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

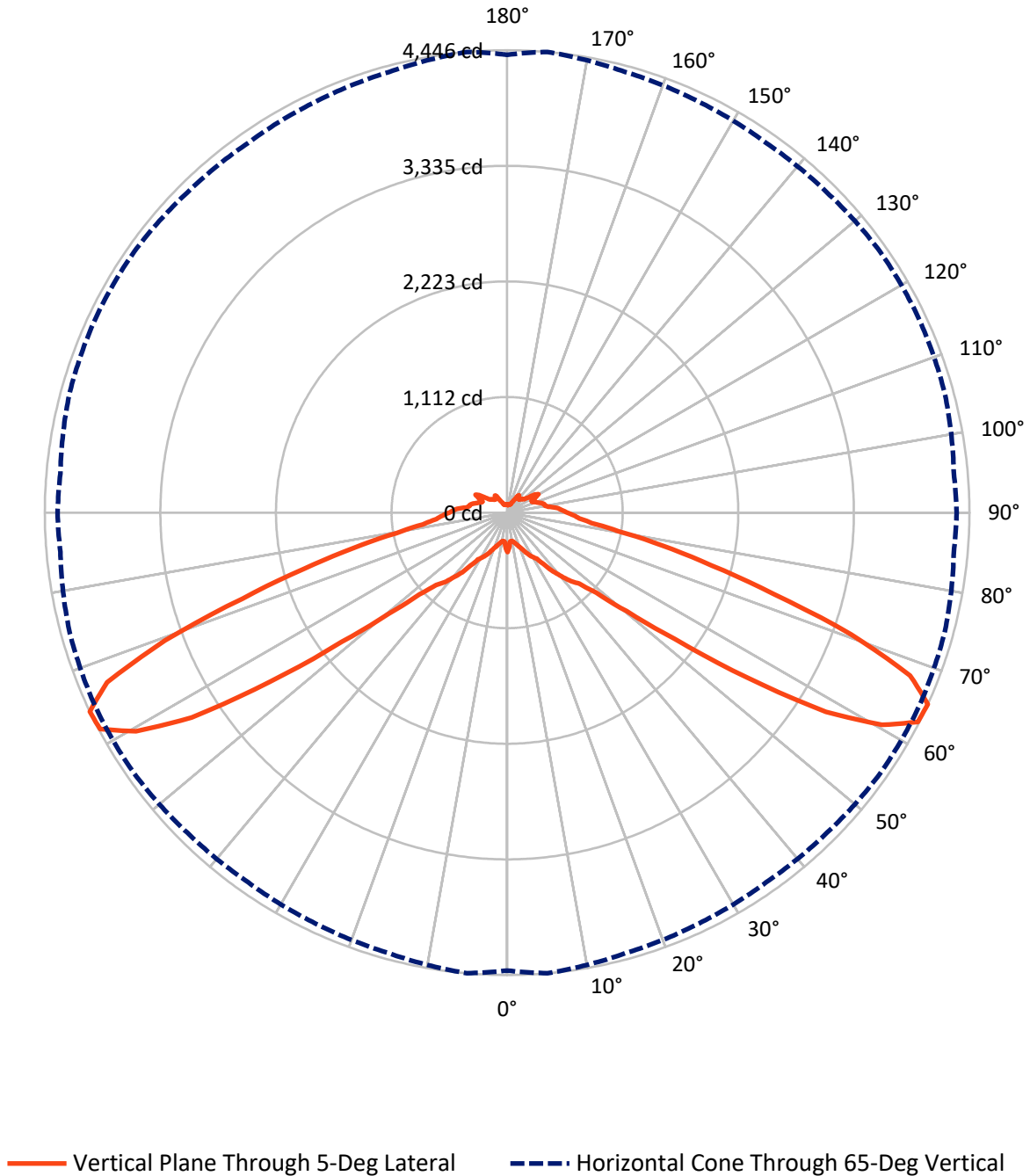
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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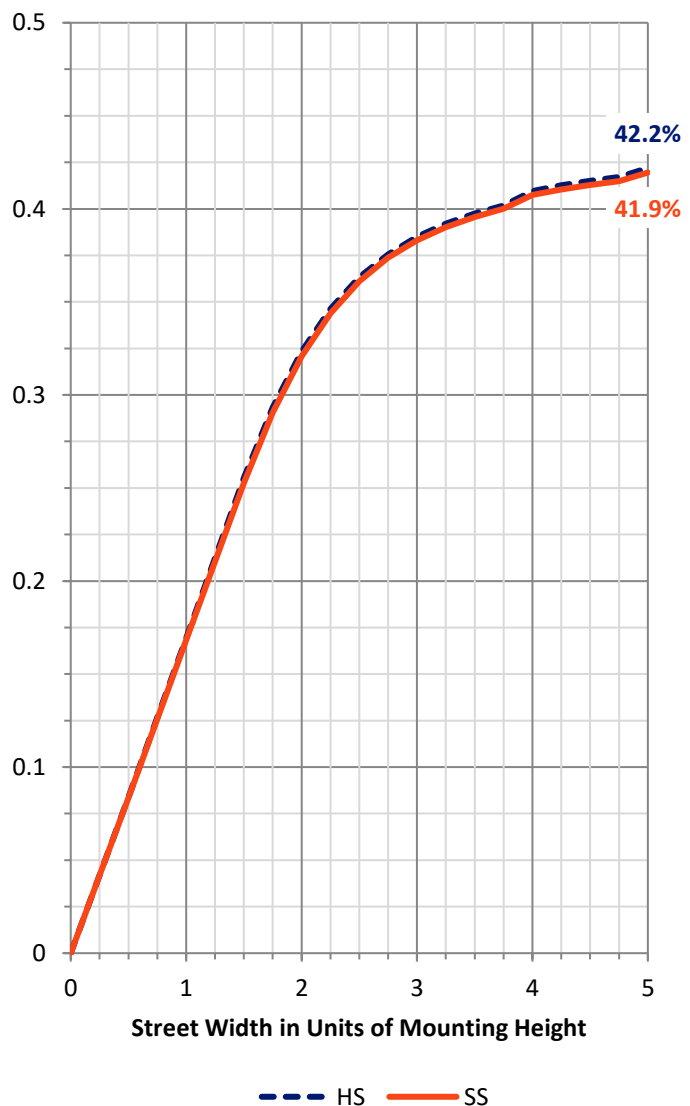
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5652.4	817.6	6470.0
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	5652.4	817.6	6470.0
	% Fixture	43.7	6.3	50.0
Total	Lumens	11304.8	1635.2	12940.0
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	0.2
10°-20°	90.8	0.7
20°-30°	197.0	1.5
30°-40°	398.9	3.1
40°-50°	804.3	6.2
50°-60°	2557.2	19.8
60°-70°	4123.9	31.9
70°-80°	2248.9	17.4
80°-90°	856.3	6.6
90°-100°	513.8	4.0
100°-110°	327.7	2.5
110°-120°	249.3	1.9
120°-130°	210.9	1.6
130°-140°	137.4	1.1
140°-150°	115.2	0.9
150°-160°	51.6	0.4
160°-170°	21.9	0.2
170°-180°	7.3	0.1
0°-90°	11304.8	87.4
0°-180°	12940.0	100.0



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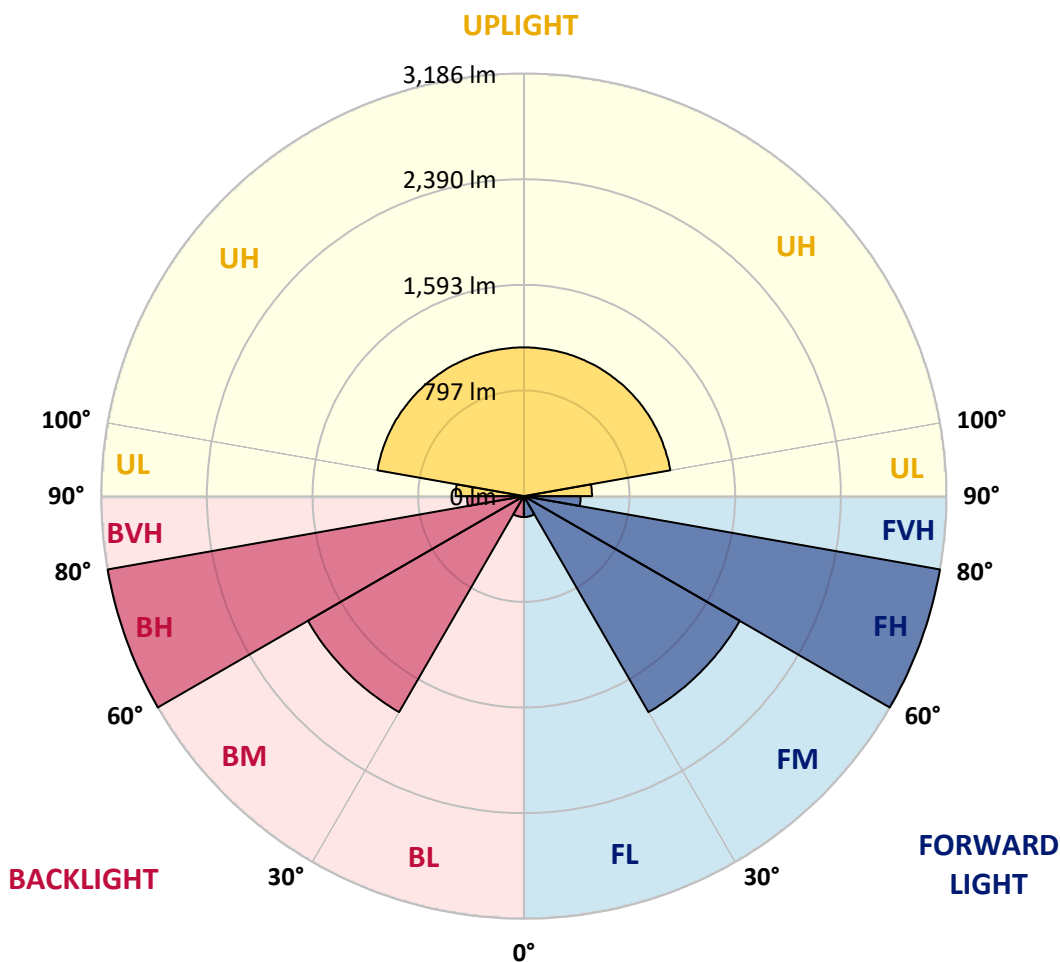
CATALOG NUMBER: FFX-CLB-80-740-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.6	1.2			
FM (30°-60°)	1880.2	14.5			
FH (60°-80°)	3186.4	24.6			G2/5000
FVH (80°-90°)	428.2	3.3			G3/500
BL (0°-30°)	157.6	1.2	B1/500		
BM (30°-60°)	1880.2	14.5	B2/2500		
BH (60°-80°)	3186.4	24.6	B4/5000		G2/5000
BVH (80°-90°)	428.2	3.3			G3/500
UL (90°-100°)	513.8	4.0		U4/1000	
UH (100°-180°)	1121.4	8.7		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°	379.7	379.7	379.7	379.7	379.7	379.7	379.7	379.7	379.7	379.7	379.7
2.5°	339.2	344.6	329.7	317.6	312.2	313.5	325.7	337.8	325.7	329.7	329.7
5°	281.1	282.4	282.4	279.7	283.8	275.7	266.2	266.2	275.7	286.5	286.5
7.5°	271.6	275.7	286.5	286.5	290.5	277.0	263.5	264.9	278.4	294.6	298.7
10°	279.7	279.7	277.0	279.7	289.2	287.8	273.0	266.2	275.7	291.9	297.3
12.5°	291.9	291.9	300.0	312.2	313.5	301.4	286.5	285.1	296.0	306.8	306.8
15°	309.5	310.8	314.9	313.5	317.6	313.5	309.5	312.2	318.9	318.9	318.9
17.5°	332.4	332.4	332.4	332.4	332.4	333.8	335.1	335.1	335.1	337.8	337.8
20°	358.1	358.1	356.8	355.4	355.4	356.8	358.1	358.1	358.1	360.8	360.8
22.5°	390.5	389.2	386.5	386.5	386.5	387.8	385.1	383.8	382.4	383.8	383.8
25°	428.4	428.4	425.7	421.6	421.6	420.3	416.2	414.9	413.5	416.2	414.9
27.5°	466.2	466.2	462.2	456.8	456.8	456.8	454.1	451.4	448.7	450.0	450.0
30°	501.4	498.7	497.3	493.3	491.9	493.3	490.5	490.5	485.1	483.8	486.5
32.5°	533.8	531.1	533.8	529.7	525.7	529.7	528.4	528.4	520.3	517.6	520.3
35°	623.0	616.2	621.6	612.2	606.8	608.1	610.8	616.2	608.1	604.1	605.4
37.5°	718.9	717.6	735.1	750.0	747.3	724.3	709.5	712.2	723.0	737.9	737.9
40°	808.1	805.4	809.5	804.1	804.1	801.4	800.0	806.8	785.1	779.7	775.7
42.5°	901.4	900.0	877.0	844.6	837.9	864.9	877.0	886.5	855.4	844.6	836.5
45°	993.3	974.3	970.3	959.5	948.7	966.2	964.9	971.6	956.8	955.4	948.7
47.5°	1186.5	1151.4	1139.2	1140.6	1117.6	1136.5	1144.6	1166.2	1135.2	1136.5	1135.2
50°	1535.2	1490.6	1510.8	1497.3	1473.0	1496.0	1494.6	1533.8	1482.5	1501.4	1493.3
52.5°	2079.8	2019.0	2031.1	2023.0	1998.7	2046.0	2056.8	2114.9	2016.3	2040.6	2033.8
55°	2867.6	2801.4	2828.4	2731.1	2705.5	2798.7	2833.8	2901.4	2770.3	2783.8	2777.1
57.5°	3619.0	3614.9	3660.9	3592.0	3569.0	3635.2	3602.8	3662.2	3592.0	3642.0	3625.7
60°	4131.2	4142.0	4187.9	4208.2	4167.6	4202.8	4124.4	4169.0	4147.4	4220.3	4213.6
62.5°	4397.4	4432.5	4405.5	4406.8	4362.2	4389.3	4374.4	4400.1	4394.7	4401.4	4394.7
65°	4402.8	4446.0	4386.6	4359.5	4340.6	4351.4	4377.1	4377.1	4360.9	4312.2	4323.1
67.5°	4114.9	4179.8	4113.6	4075.8	4086.6	4082.5	4100.1	4077.1	4067.6	3996.0	3997.4
70°	3406.8	3510.9	3413.6	3378.4	3406.8	3424.4	3423.0	3404.1	3389.3	3300.1	3325.7
72.5°	2586.5	2678.4	2591.9	2578.4	2605.5	2632.5	2609.5	2632.5	2608.2	2567.6	2579.8
75°	1952.7	2031.1	2031.1	2082.5	2090.6	2075.7	2012.2	2037.9	2054.1	2055.4	2067.6
77.5°	1436.5	1518.9	1562.2	1646.0	1641.9	1616.2	1539.2	1568.9	1600.0	1621.7	1636.5
80°	1021.6	1083.8	1147.3	1206.8	1214.9	1193.3	1146.0	1163.5	1182.5	1197.3	1205.4
82.5°	791.9	820.3	808.1	801.4	812.2	843.3	854.1	864.9	837.9	820.3	827.0
85°	690.6	693.3	714.9	729.7	733.8	733.8	723.0	731.1	737.9	755.4	755.4
87.5°	629.7	632.4	686.5	701.4	706.8	700.0	686.5	691.9	697.3	708.1	708.1
90°	559.5	567.6	621.6	633.8	639.2	628.4	624.3	628.4	621.6	625.7	625.7
92.5°	520.3	520.3	546.0	540.6	539.2	540.6	541.9	546.0	539.2	536.5	536.5
95°	475.7	482.4	475.7	481.1	479.7	473.0	470.3	473.0	468.9	468.9	471.6
97.5°	398.7	400.0	387.8	391.9	391.9	386.5	379.7	382.4	378.4	381.1	382.4
100°	373.0	368.9	348.7	346.0	344.6	340.5	336.5	336.5	335.1	333.8	335.1
102.5°	364.9	364.9	337.8	332.4	329.7	323.0	317.6	317.6	317.6	317.6	318.9
105°	333.8	343.2	323.0	318.9	314.9	306.8	298.7	297.3	300.0	297.3	301.4
107.5°	302.7	310.8	300.0	300.0	296.0	287.8	282.4	281.1	282.4	279.7	282.4
110°	285.1	289.2	277.0	277.0	274.3	267.6	266.2	264.9	264.9	260.8	263.5



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 CATALOG NUMBER: FFX-CLB-80-740-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	263.5	263.5	254.1	251.4	251.4	247.3	246.0	244.6	244.6	244.6	246.0
115°	262.2	260.8	246.0	236.5	235.1	233.8	235.1	233.8	233.8	232.4	232.4
117.5°	320.3	306.8	256.8	233.8	233.8	235.1	240.5	236.5	227.0	227.0	225.7
120°	346.0	348.7	296.0	271.6	266.2	259.5	258.1	255.4	246.0	244.6	250.0
122.5°	305.4	318.9	286.5	277.0	271.6	263.5	258.1	256.8	256.8	250.0	259.5
125°	237.8	250.0	233.8	232.4	231.1	232.4	229.7	229.7	232.4	228.4	229.7
127.5°	204.1	209.5	202.7	202.7	201.4	200.0	197.3	198.7	197.3	198.7	200.0
130°	195.9	200.0	193.2	190.5	190.5	191.9	191.9	191.9	187.8	185.1	186.5
132.5°	194.6	193.2	182.4	177.0	177.0	186.5	190.5	190.5	181.1	174.3	174.3
135°	175.7	177.0	175.7	168.9	170.3	173.0	177.0	178.4	168.9	164.9	166.2
137.5°	168.9	173.0	174.3	171.6	171.6	168.9	167.6	168.9	166.2	167.6	167.6
140°	168.9	170.3	174.3	177.0	174.3	171.6	171.6	171.6	173.0	177.0	179.7
142.5°	173.0	174.3	173.0	171.6	175.7	182.4	187.8	187.8	183.8	181.1	182.4
145°	198.7	202.7	202.7	198.7	201.4	198.7	198.7	195.9	195.9	195.9	197.3
147.5°	189.2	187.8	190.5	194.6	190.5	189.2	189.2	190.5	193.2	194.6	195.9
150°	148.7	144.6	147.3	155.4	154.1	154.1	154.1	155.4	156.8	156.8	158.1
152.5°	117.6	117.6	120.3	120.3	121.6	121.6	120.3	120.3	120.3	121.6	121.6
155°	105.4	104.1	106.8	110.8	108.1	108.1	108.1	108.1	108.1	108.1	109.5
157.5°	91.9	90.5	90.5	91.9	91.9	91.9	91.9	93.2	93.2	91.9	93.2
160°	83.8	83.8	82.4	82.4	82.4	83.8	85.1	85.1	83.8	82.4	82.4
162.5°	79.7	79.7	77.0	75.7	75.7	77.0	79.7	79.7	77.0	75.7	75.7
165°	79.7	78.4	74.3	71.6	71.6	74.3	78.4	78.4	74.3	71.6	71.6
167.5°	78.4	78.4	75.7	73.0	73.0	75.7	77.0	78.4	77.0	74.3	73.0
170°	75.7	75.7	77.0	77.0	75.7	75.7	75.7	75.7	77.0	77.0	77.0
172.5°	78.4	77.0	78.4	79.7	79.7	78.4	77.0	77.0	78.4	79.7	79.7
175°	79.7	79.7	78.4	78.4	78.4	77.0	77.0	77.0	78.4	79.7	78.4
177.5°	71.6	71.6	70.3	71.6	71.6	71.6	70.3	71.6	71.6	71.6	73.0
180°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6

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.

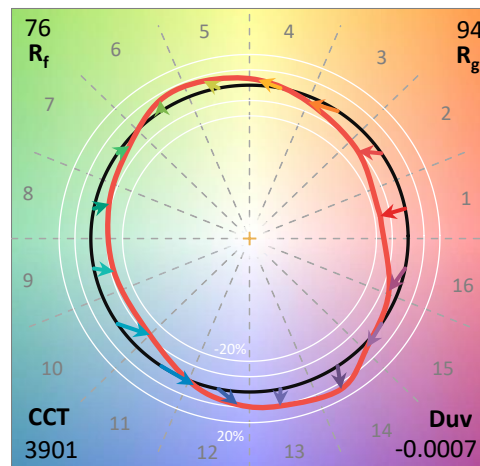
Test Information

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

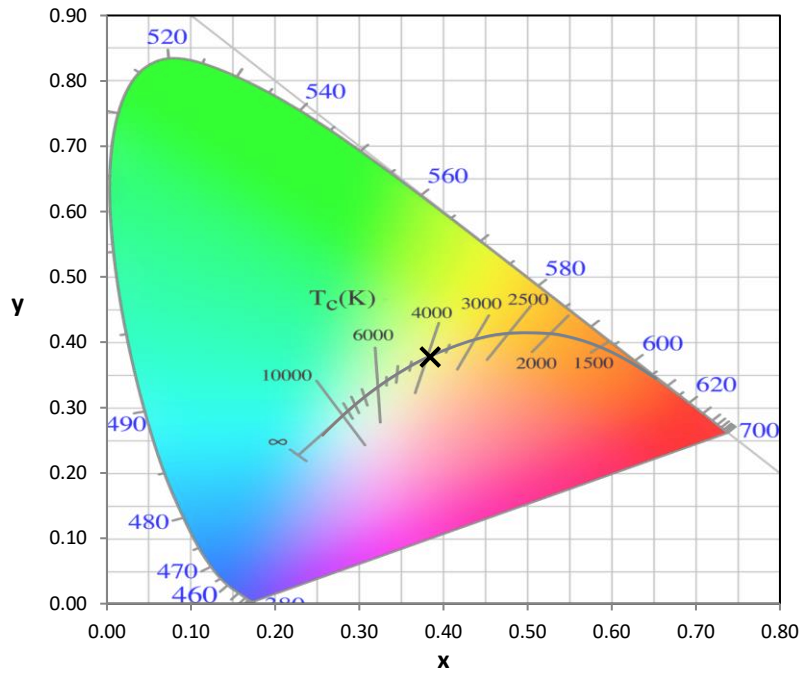
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

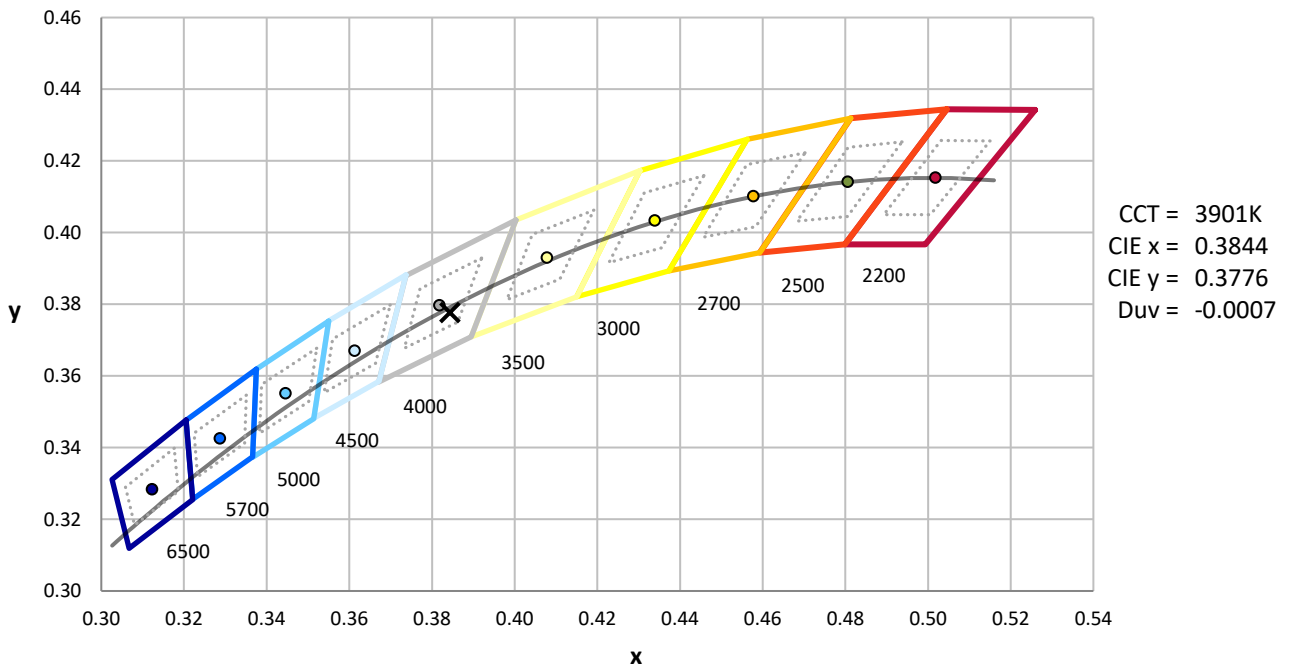
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



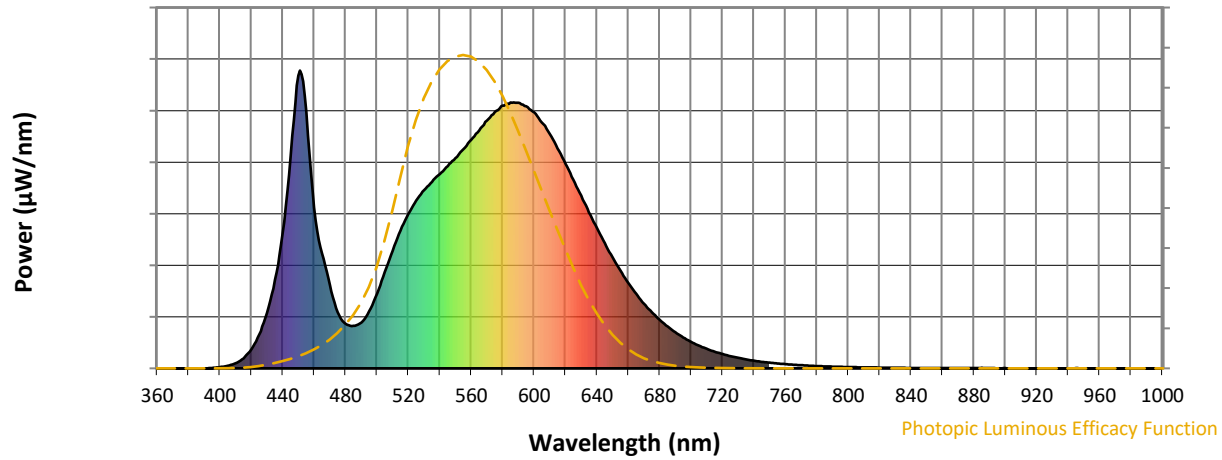
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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			

REPORT NUMBER: SP1-2406-133-1

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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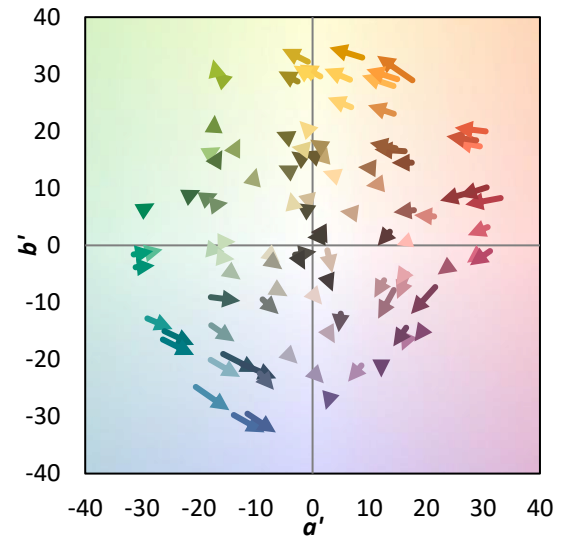
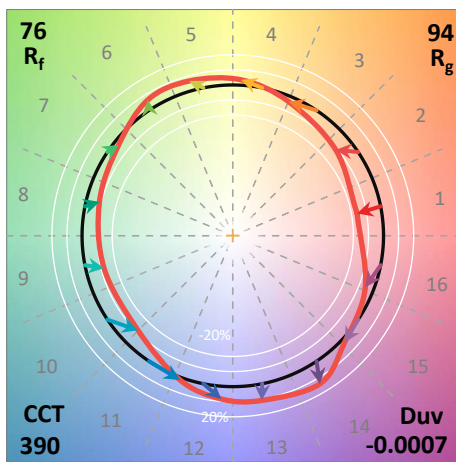
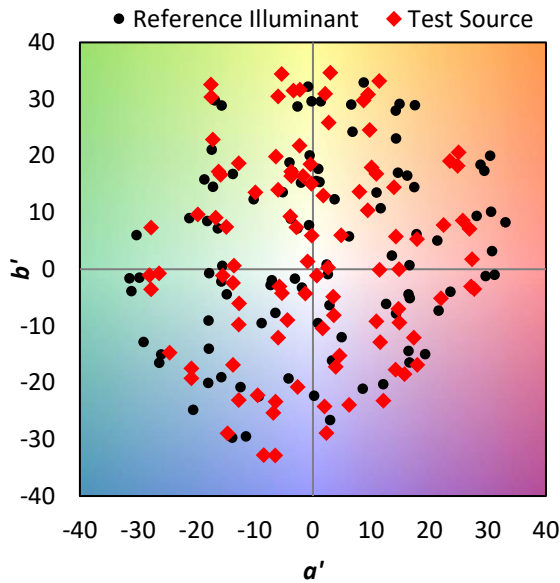
TM-30-18

Summary

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



Color Vector Graphics

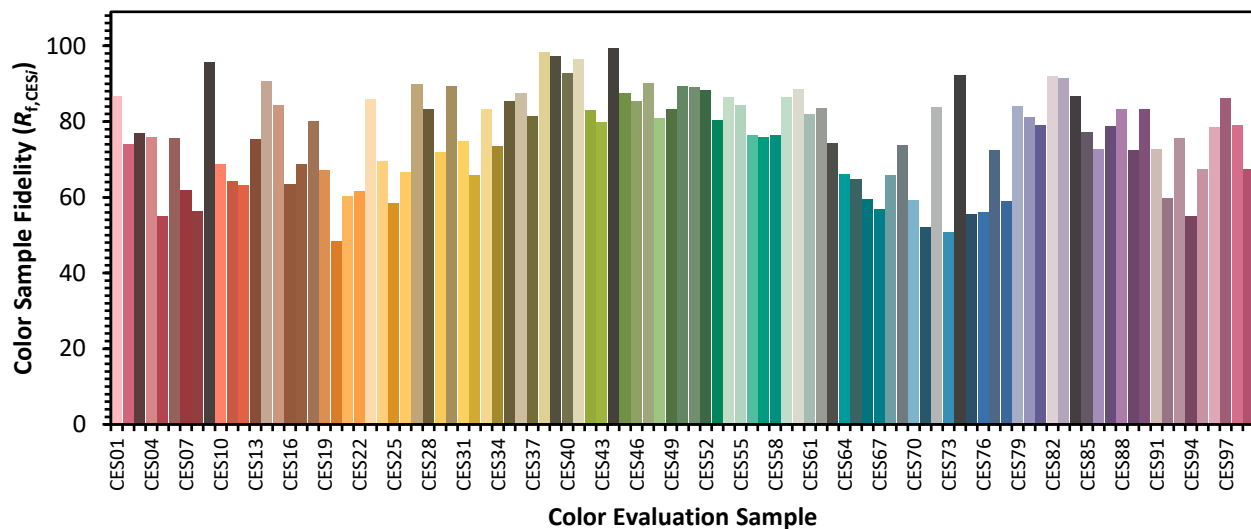


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Individual Sample Fidelity Index ($R_{f,i}$)

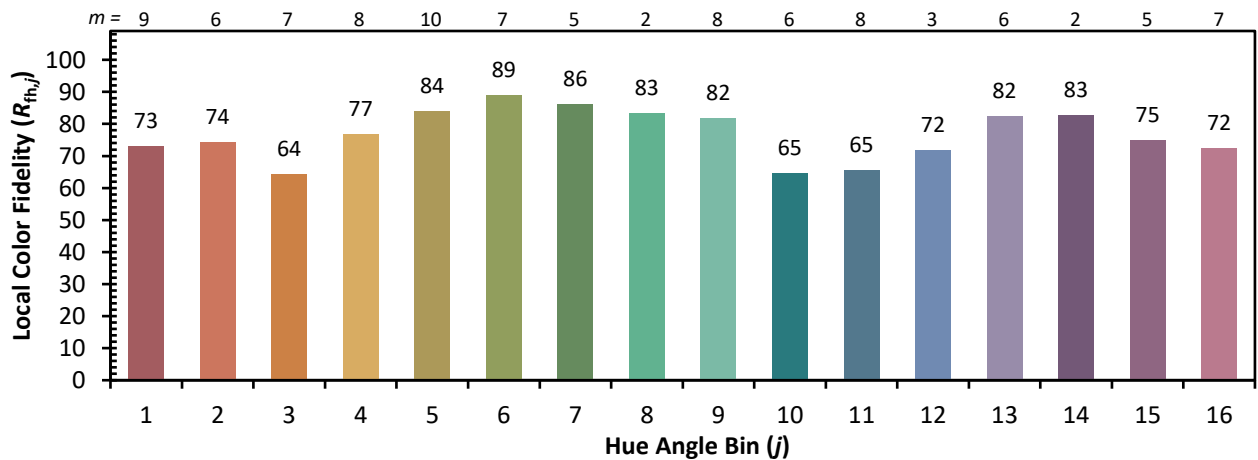
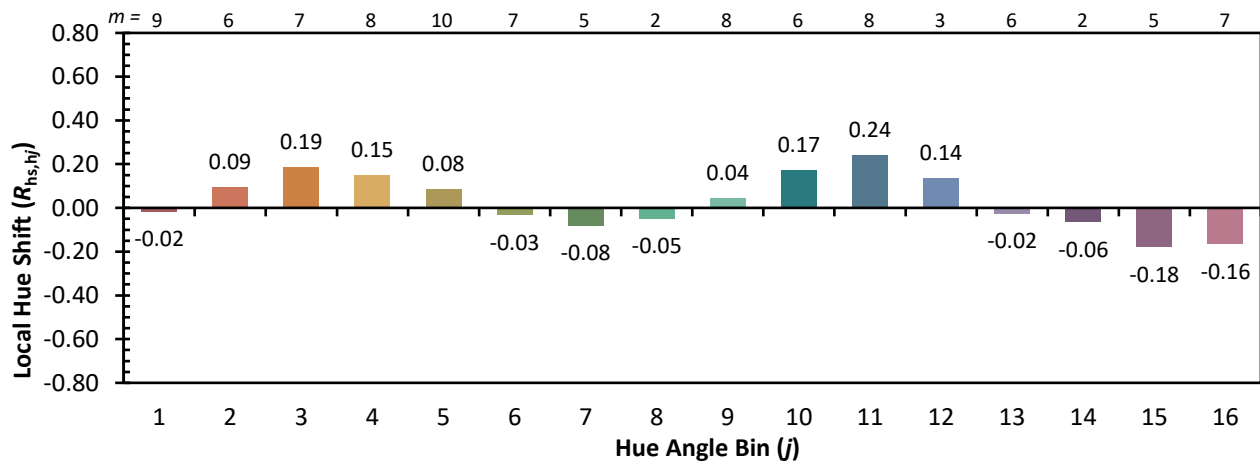
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82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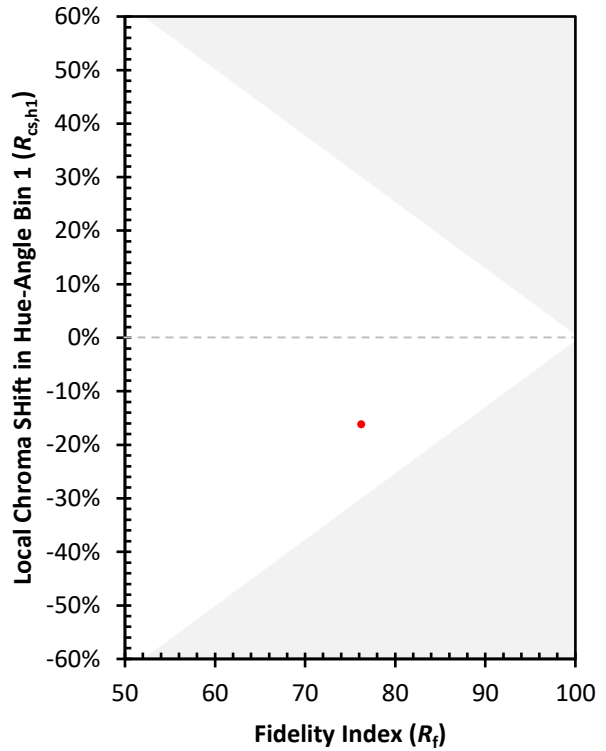
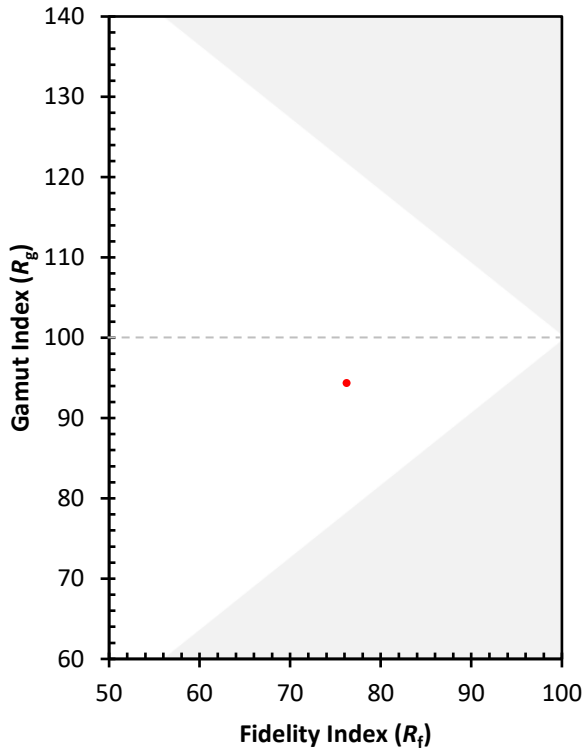
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)