

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: P856067

Luminaire Tested: **FFX-CLB-80-727-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856067
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-80-727-U-FR-T5
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

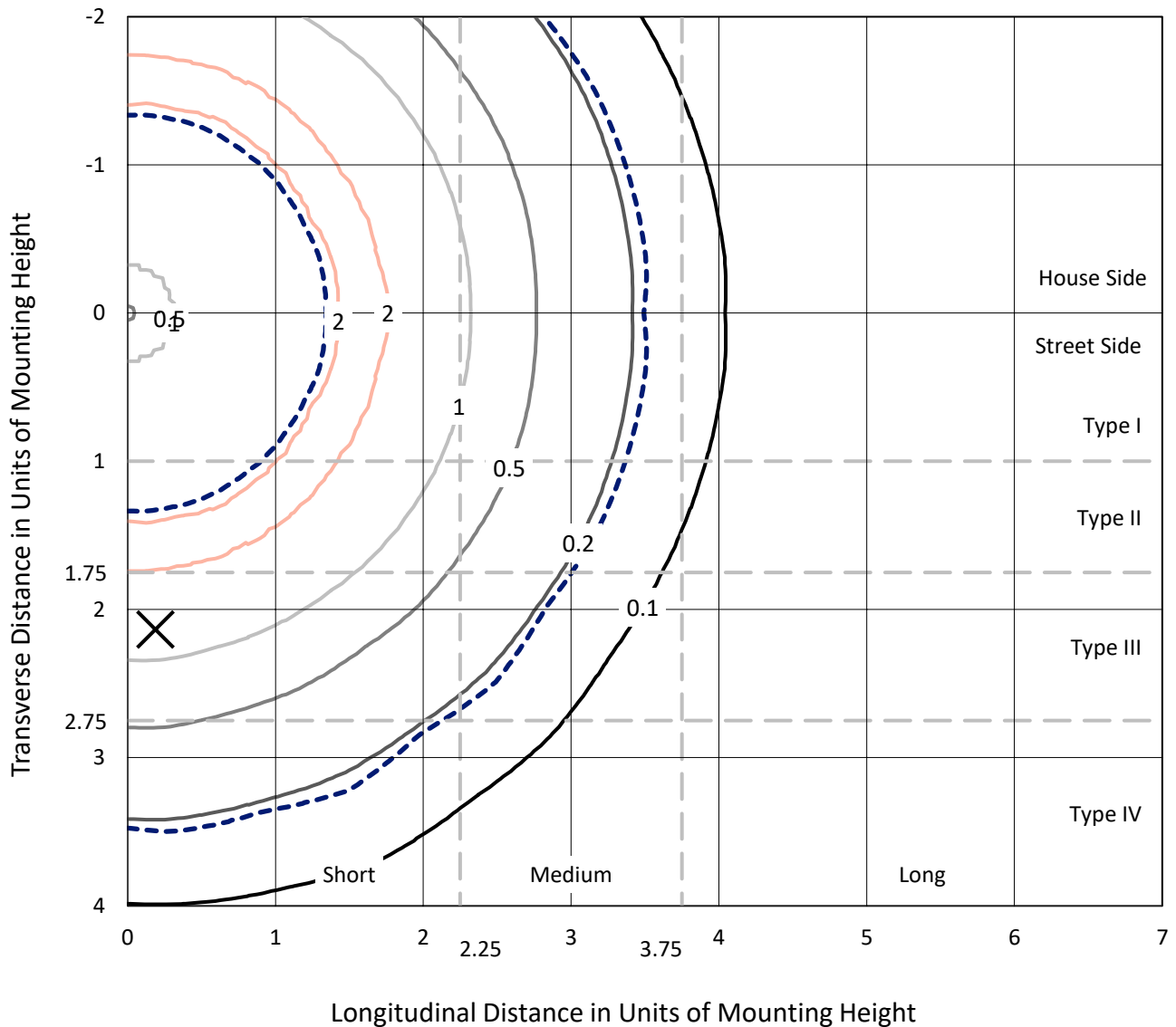
Lumens per Lamp: N/A
Luminaire Lumens: 12026 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U5 - G3

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

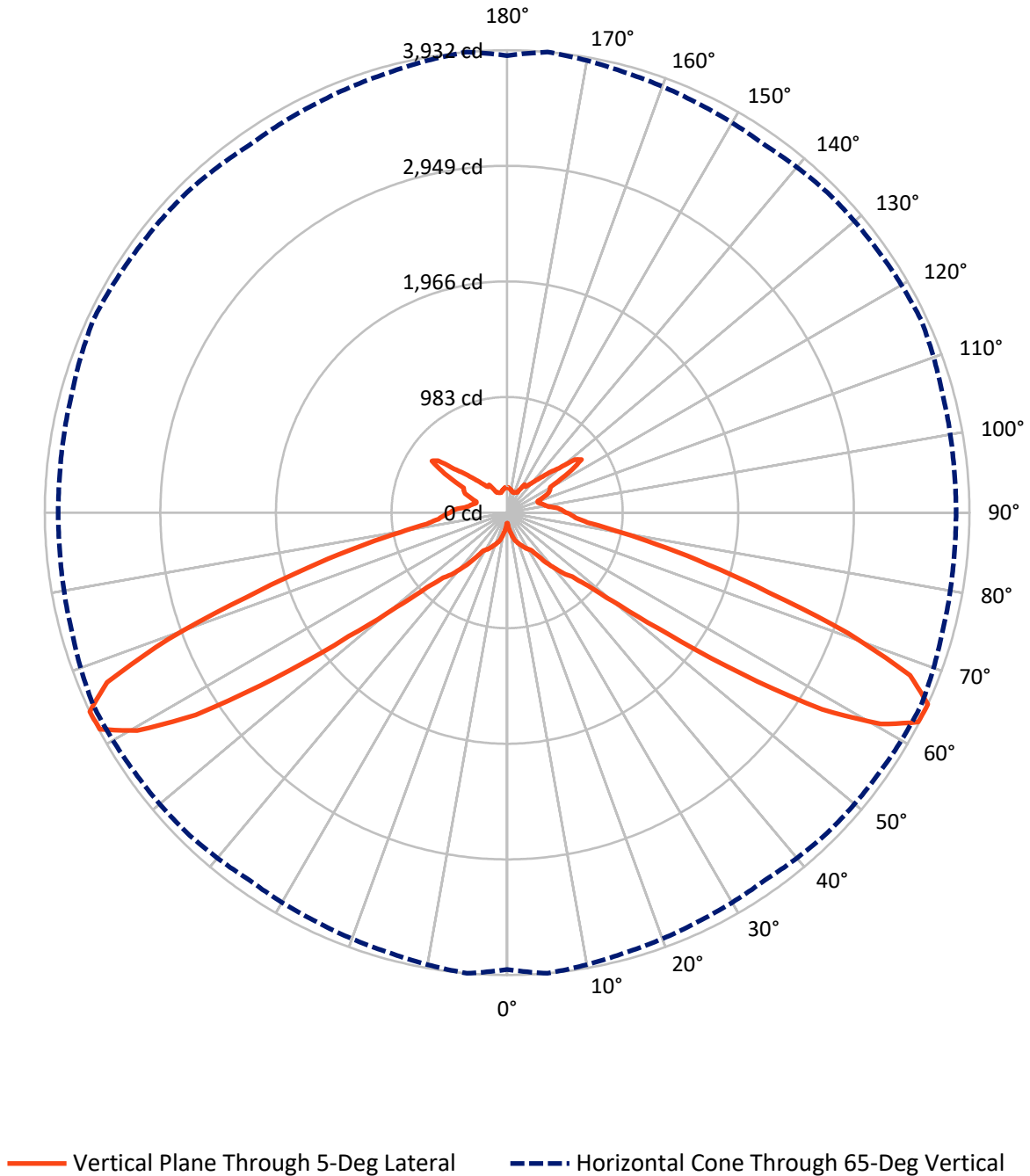
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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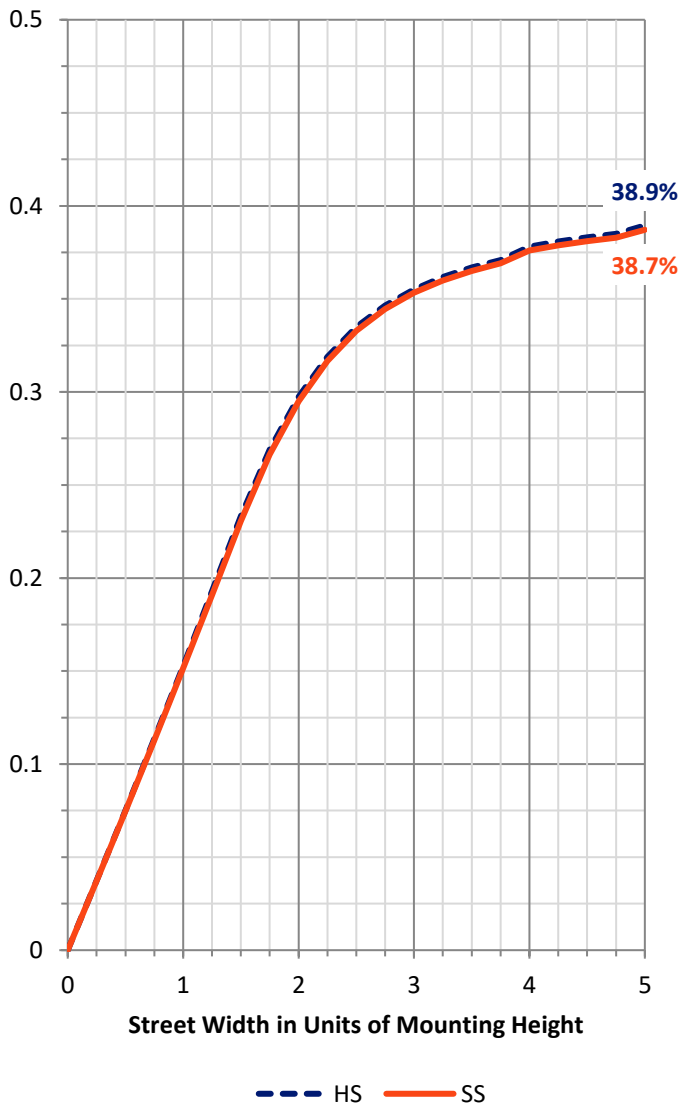
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4846.0	1167.0	6013.0
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	4846.0	1167.0	6013.0
	% Fixture	40.3	9.7	50.0
Total	Lumens	9691.9	2334.1	12026.0
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	68.7	0.6
20°-30°	149.2	1.2
30°-40°	296.1	2.5
40°-50°	642.2	5.3
50°-60°	2211.7	18.4
60°-70°	3632.6	30.2
70°-80°	1949.6	16.2
80°-90°	728.1	6.1
90°-100°	459.8	3.8
100°-110°	308.0	2.6
110°-120°	338.5	2.8
120°-130°	560.1	4.7
130°-140°	329.9	2.7
140°-150°	174.5	1.5
150°-160°	91.6	0.8
160°-170°	52.0	0.4
170°-180°	19.6	0.2
0°-90°	9691.9	80.6
0°-180°	12026.0	100.0



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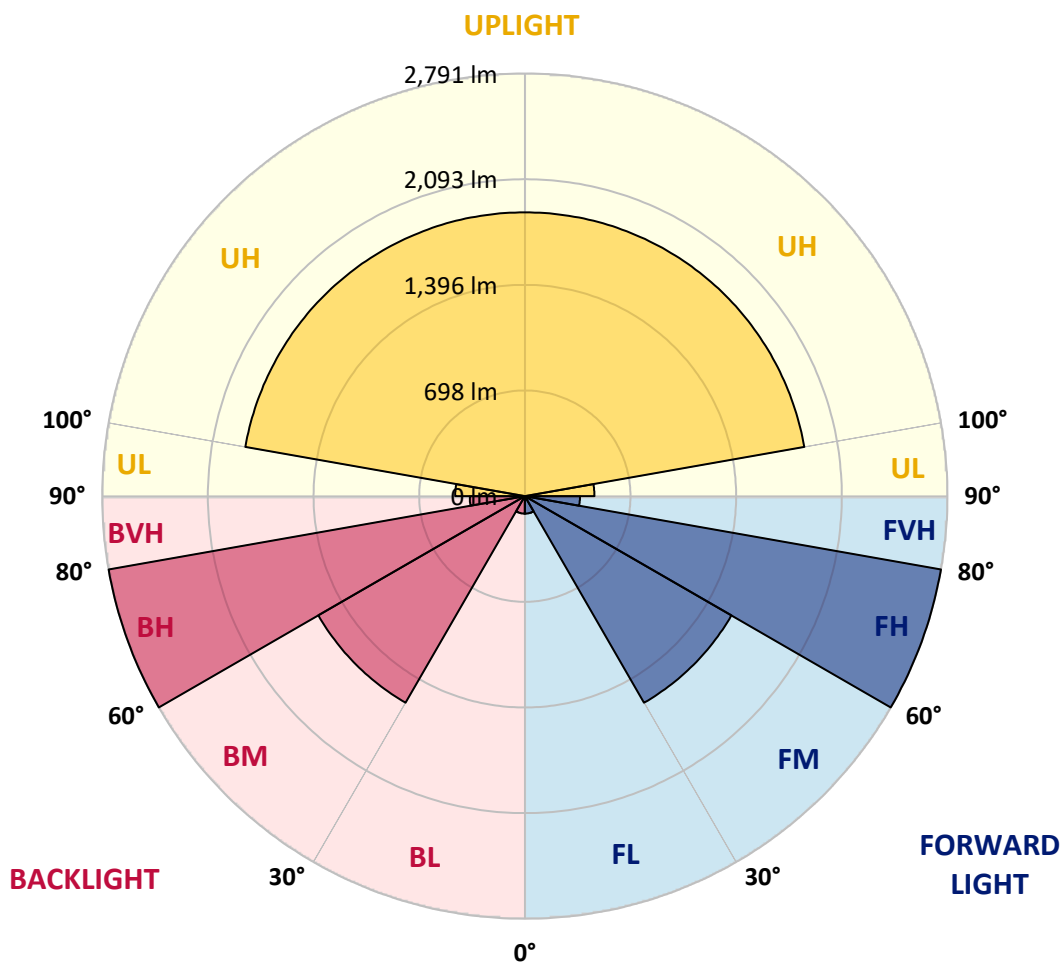
CATALOG NUMBER: FFX-CLB-80-727-U-FR-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.8	1.0			
FM (30°-60°)	1575.0	13.1			
FH (60°-80°)	2791.1	23.2			G2/5000
FVH (80°-90°)	364.0	3.0			G3/500
BL (0°-30°)	115.8	1.0	B1/500		
BM (30°-60°)	1575.0	13.1	B2/2500		
BH (60°-80°)	2791.1	23.2	B4/5000		G2/5000
BVH (80°-90°)	364.0	3.0			G3/500
UL (90°-100°)	459.8	3.8		U3/500	
UH (100°-180°)	1874.2	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°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2.5°	94.4	94.4	93.2	91.9	93.2	94.4	94.4	95.6	93.2	93.2	94.4
5°	126.3	126.3	126.3	125.0	122.6	122.6	121.4	125.0	126.3	127.5	127.5
7.5°	156.9	155.7	158.1	159.3	153.2	150.8	150.8	152.0	154.4	156.9	159.3
10°	177.7	176.5	177.7	182.6	181.4	177.7	177.7	177.7	181.4	187.5	188.8
12.5°	209.6	209.6	212.1	215.7	217.0	213.3	210.8	210.8	215.7	217.0	215.7
15°	243.9	243.9	242.7	241.5	242.7	241.5	241.5	242.7	246.4	245.2	245.2
17.5°	262.3	261.1	259.9	261.1	261.1	259.9	261.1	263.5	262.3	266.0	267.2
20°	281.9	281.9	279.5	279.5	279.5	280.7	281.9	280.7	281.9	283.2	284.4
22.5°	300.3	300.3	299.1	297.9	299.1	300.3	301.5	299.1	299.1	301.5	301.5
25°	321.1	321.1	321.1	317.5	318.7	319.9	318.7	317.5	318.7	319.9	321.1
27.5°	344.4	344.4	342.0	338.3	339.5	339.5	340.8	338.3	340.8	340.8	340.8
30°	364.1	361.6	360.4	357.9	357.9	360.4	362.8	359.1	360.4	360.4	361.6
32.5°	382.4	382.4	381.2	376.3	375.1	382.4	384.9	383.7	378.8	380.0	381.2
35°	451.1	451.1	442.5	433.9	441.3	440.0	449.9	449.9	449.9	452.3	457.2
37.5°	536.9	540.6	554.0	573.7	573.7	545.5	530.8	529.5	549.1	566.3	565.1
40°	612.9	616.6	612.9	615.3	612.9	614.1	615.3	612.9	601.8	598.2	590.8
42.5°	707.3	708.5	685.2	658.2	660.7	674.2	690.1	691.3	668.0	657.0	654.6
45°	773.5	775.9	767.3	763.6	763.6	768.6	767.3	767.3	758.7	757.5	755.1
47.5°	935.3	930.4	913.2	907.1	914.4	910.7	934.0	927.9	918.1	918.1	926.7
50°	1240.5	1235.6	1236.8	1230.7	1250.3	1222.1	1250.3	1242.9	1228.2	1235.6	1241.7
52.5°	1739.4	1708.7	1712.4	1700.1	1734.4	1708.7	1755.3	1749.2	1701.4	1722.2	1723.4
55°	2457.6	2418.4	2416.0	2333.8	2397.6	2406.2	2465.0	2479.7	2386.6	2387.8	2393.9
57.5°	3169.8	3157.6	3196.8	3145.3	3190.6	3169.8	3168.6	3195.6	3141.6	3149.0	3168.6
60°	3641.7	3651.5	3695.7	3709.1	3725.1	3695.7	3635.6	3647.9	3644.2	3706.7	3711.6
62.5°	3894.2	3923.7	3891.8	3882.0	3868.5	3879.5	3872.2	3879.5	3857.5	3886.9	3888.1
65°	3885.7	3932.2	3874.6	3839.1	3817.0	3851.3	3861.1	3883.2	3836.6	3818.2	3818.2
67.5°	3639.3	3695.7	3605.0	3601.3	3547.3	3605.0	3589.0	3606.2	3569.4	3543.7	3519.2
70°	3027.6	3079.1	2970.0	2983.5	2890.3	2984.7	2960.2	2992.1	2962.7	2912.4	2883.0
72.5°	2281.1	2326.5	2245.6	2266.4	2205.1	2276.2	2238.2	2292.2	2273.8	2251.7	2227.2
75°	1725.9	1761.4	1766.3	1836.2	1762.6	1797.0	1728.3	1760.2	1790.8	1816.6	1789.6
77.5°	1269.9	1294.4	1367.9	1445.2	1372.8	1397.4	1328.7	1359.4	1387.6	1431.7	1412.1
80°	897.3	925.4	992.9	1050.5	997.8	1019.8	975.7	992.9	1014.9	1046.8	1026.0
82.5°	698.7	688.9	686.4	671.7	655.8	710.9	722.0	731.8	710.9	702.4	692.6
85°	585.9	588.4	603.1	621.5	621.5	622.7	611.7	616.6	625.1	641.1	642.3
87.5°	538.1	545.5	587.1	601.8	595.7	598.2	588.4	590.8	596.9	605.5	603.1
90°	474.4	492.8	532.0	546.7	536.9	541.8	536.9	540.6	535.7	538.1	533.2
92.5°	463.3	462.1	474.4	473.1	467.0	481.7	481.7	484.2	478.0	474.4	471.9
95°	429.0	426.6	425.3	429.0	415.5	426.6	424.1	429.0	426.6	426.6	421.7
97.5°	359.1	359.1	356.7	360.4	351.8	356.7	350.6	354.2	353.0	354.2	350.6
100°	331.0	331.0	328.5	328.5	324.8	326.1	323.6	323.6	322.4	321.1	321.1
102.5°	311.3	313.8	310.1	311.3	306.4	306.4	304.0	305.2	304.0	304.0	302.8
105°	293.0	294.2	291.7	291.7	288.1	286.8	284.4	285.6	286.8	284.4	284.4
107.5°	274.6	275.8	274.6	274.6	270.9	268.4	264.8	264.8	266.0	267.2	267.2
110°	281.9	278.2	274.6	272.1	277.0	269.7	267.2	266.0	267.2	270.9	272.1



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 CATALOG NUMBER: FFX-CLB-80-727-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	337.1	334.6	334.6	323.6	335.9	328.5	323.6	315.0	318.7	321.1	321.1
115°	391.0	392.2	377.5	372.6	365.3	364.1	367.7	357.9	356.7	357.9	355.5
117.5°	438.8	413.1	357.9	343.2	339.5	337.1	334.6	332.2	329.7	344.4	328.5
120°	469.5	425.3	384.9	376.3	397.1	367.7	348.1	344.4	351.8	377.5	373.9
122.5°	665.6	627.6	598.2	546.7	598.2	568.8	576.1	562.6	555.3	540.6	543.0
125°	778.4	777.1	763.6	753.8	766.1	755.1	742.8	737.9	730.6	734.2	728.1
127.5°	723.2	734.2	717.1	736.7	692.6	704.8	702.4	710.9	703.6	706.0	696.2
130°	572.4	581.0	565.1	555.3	535.7	557.7	558.9	572.4	557.7	538.1	535.7
132.5°	500.1	506.2	481.7	469.5	456.0	475.6	484.2	491.5	481.7	460.9	456.0
135°	425.3	427.8	410.6	413.1	404.5	404.5	403.3	407.0	411.9	408.2	405.7
137.5°	365.3	371.4	365.3	372.6	365.3	359.1	349.3	353.0	364.1	372.6	371.4
140°	316.2	322.4	323.6	331.0	316.2	318.7	312.6	315.0	321.1	329.7	333.4
142.5°	280.7	285.6	274.6	268.4	263.5	278.2	289.3	290.5	283.2	273.3	277.0
145°	273.3	268.4	273.3	268.4	273.3	270.9	272.1	270.9	270.9	270.9	270.9
147.5°	277.0	281.9	281.9	281.9	274.6	275.8	277.0	278.2	278.2	283.2	281.9
150°	230.4	236.6	235.3	241.5	230.4	232.9	234.1	236.6	237.8	239.0	240.2
152.5°	194.9	196.1	199.8	202.3	201.0	199.8	198.6	198.6	201.0	203.5	204.7
155°	190.0	190.0	193.7	197.3	193.7	193.7	192.4	192.4	193.7	197.3	197.3
157.5°	182.6	183.9	183.9	186.3	183.9	185.1	183.9	183.9	185.1	186.3	187.5
160°	179.0	180.2	180.2	180.2	180.2	180.2	180.2	180.2	180.2	181.4	181.4
162.5°	179.0	179.0	179.0	177.7	177.7	179.0	179.0	179.0	179.0	177.7	179.0
165°	182.6	181.4	180.2	179.0	180.2	182.6	183.9	183.9	182.6	180.2	181.4
167.5°	190.0	190.0	188.8	187.5	188.8	190.0	191.2	191.2	190.0	188.8	188.8
170°	197.3	196.1	196.1	196.1	196.1	196.1	196.1	196.1	196.1	196.1	196.1
172.5°	202.3	202.3	203.5	202.3	203.5	203.5	202.3	202.3	202.3	202.3	203.5
175°	209.6	209.6	209.6	209.6	210.8	210.8	210.8	210.8	210.8	210.8	210.8
177.5°	214.5	214.5	214.5	214.5	214.5	214.5	214.5	214.5	214.5	214.5	214.5
180°	215.7	215.7	215.7	215.7	215.7	215.7	215.7	215.7	215.7	215.7	215.7

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: SP1-2406-133-3

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-3
 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-100-727-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2707
 CIE u': 0.2624
 CIE v': 0.5261
 Duv: -0.0007
 CIE x: 0.4580
 CIE y: 0.4082
 CIE z: 0.1338
 Peak Wavelength (nm): 599
 Dominant Wavelength (nm): 584
 Purity: 59.99901
 Rf: 75.5
 Rg: 92.5

CRI (Ra):	71.3		
R1:	67.8	R9:	-34.9
R2:	84.5	R10:	65.1
R3:	94.2	R11:	59.2
R4:	64.8	R12:	54.2
R5:	66.9	R13:	71.2
R6:	79.2	R14:	97.5
R7:	74.4	R15:	59.4
R8:	38.8		



Test Conditions

Stabilization Time: 0.813602M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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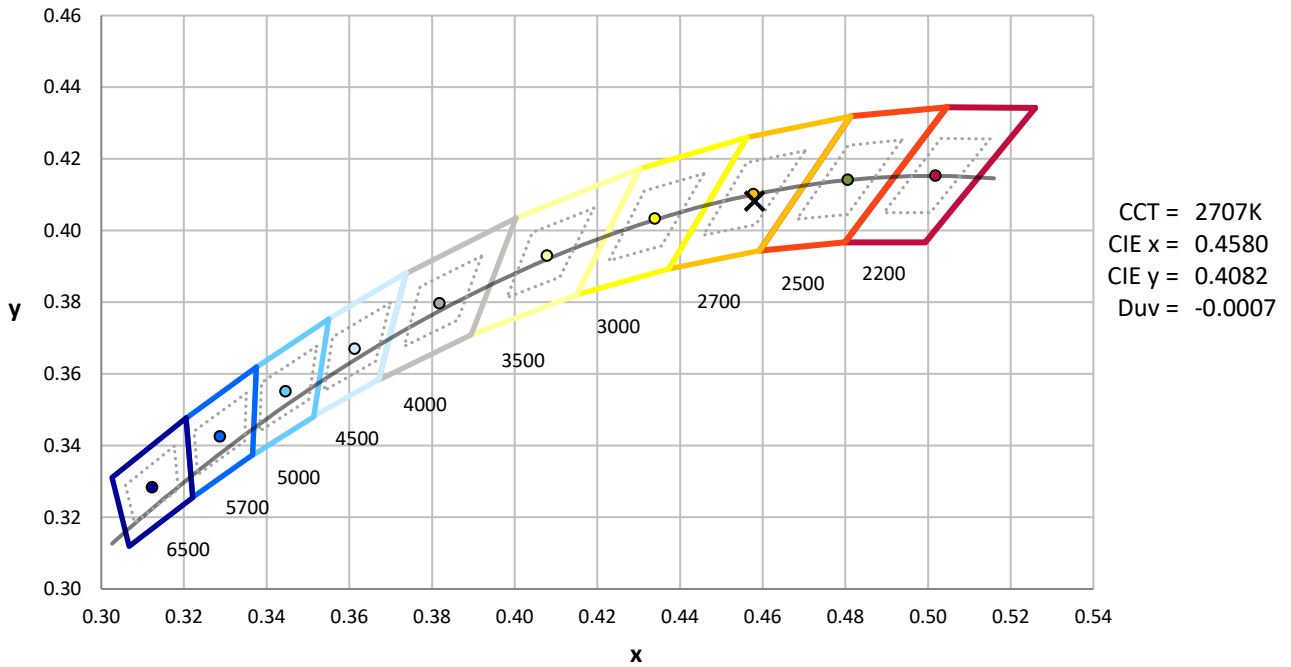
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 2700K 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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



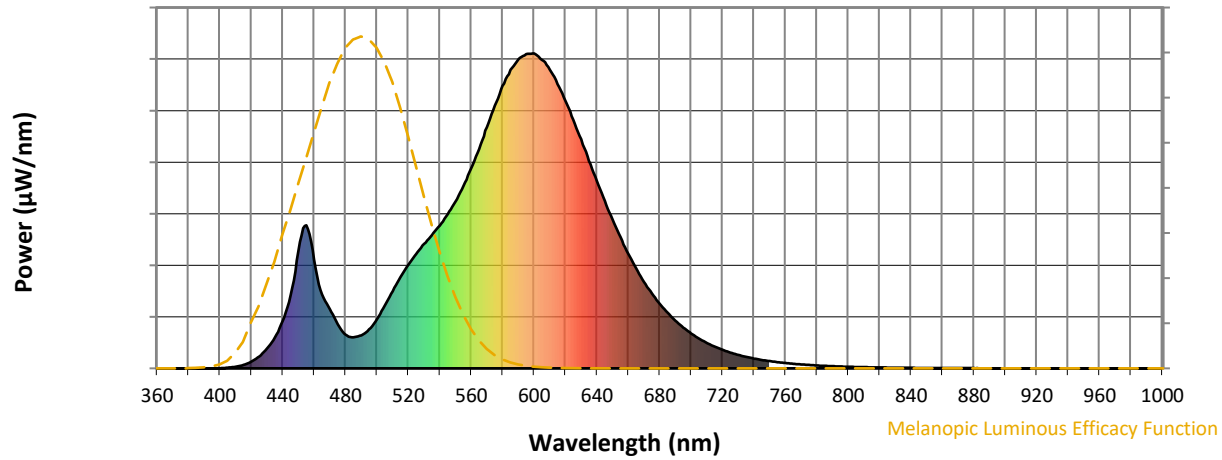
Scotopic Lumens: NR

S/P: 1.12

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.03

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

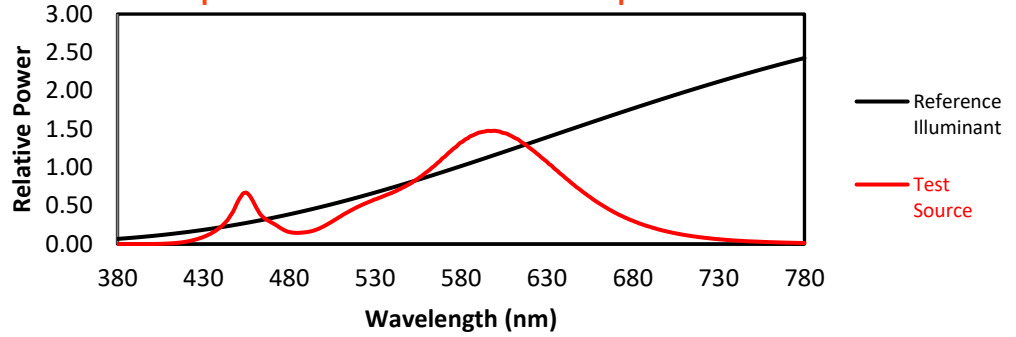
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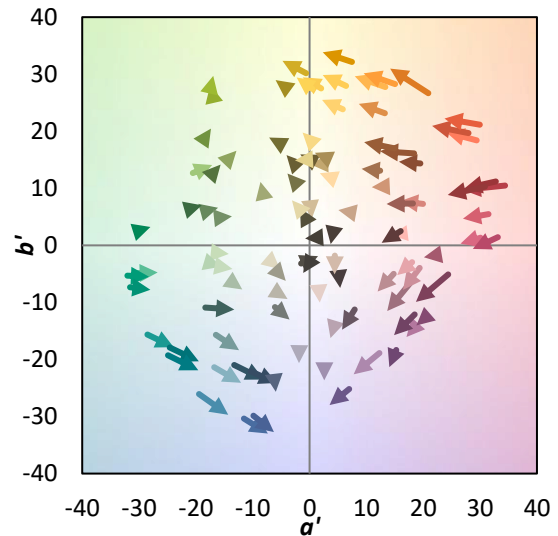
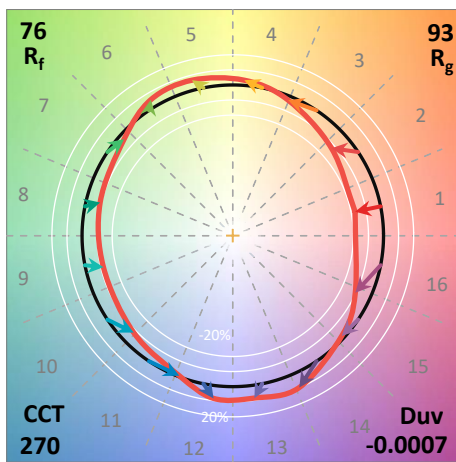
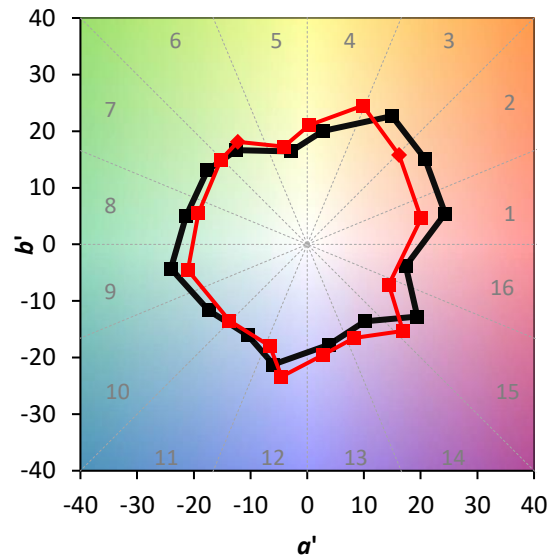
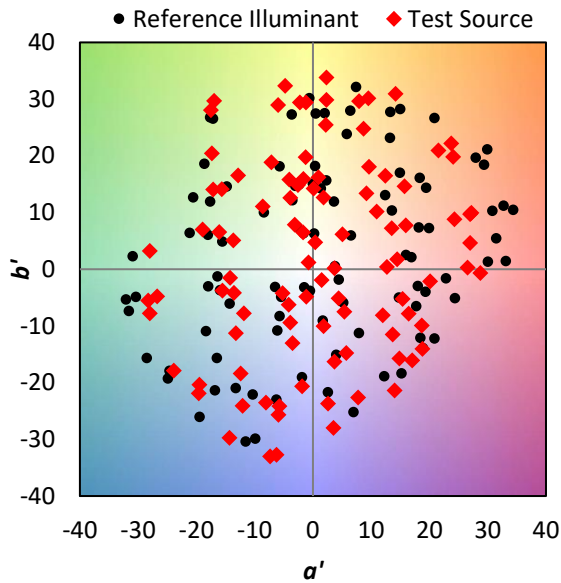
Summary

$R_f = 75.5$
 $R_g = 92.5$
 CIE $R_a = 71.3$
 $R_9 = -34.9$

Spectral Power Distribution Comparison



Color Vector Graphics



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

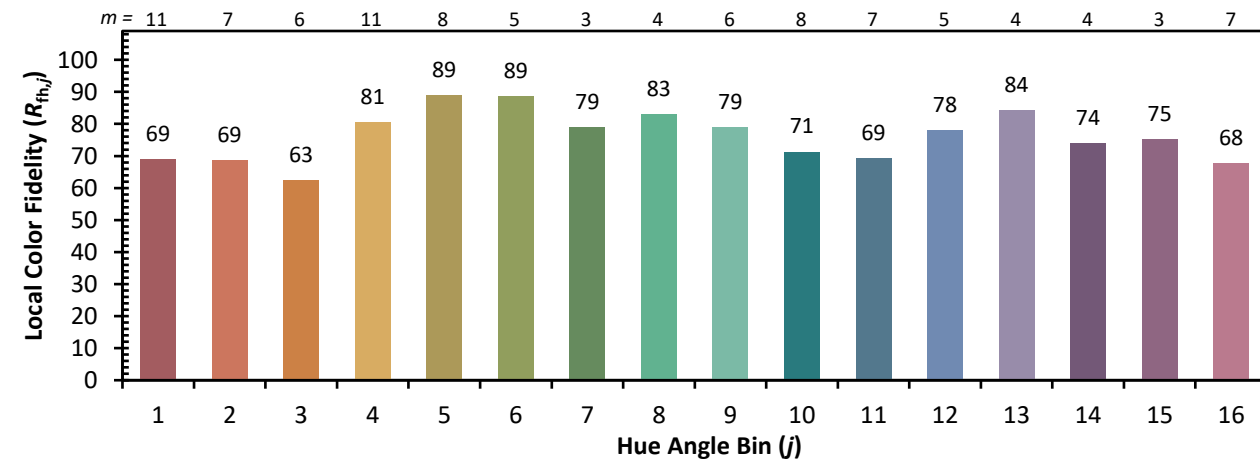
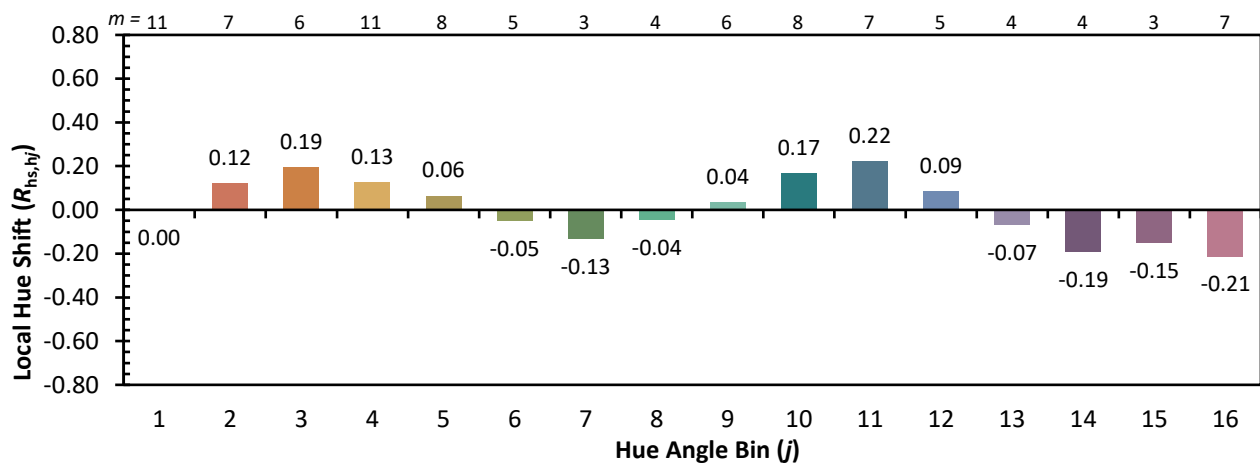
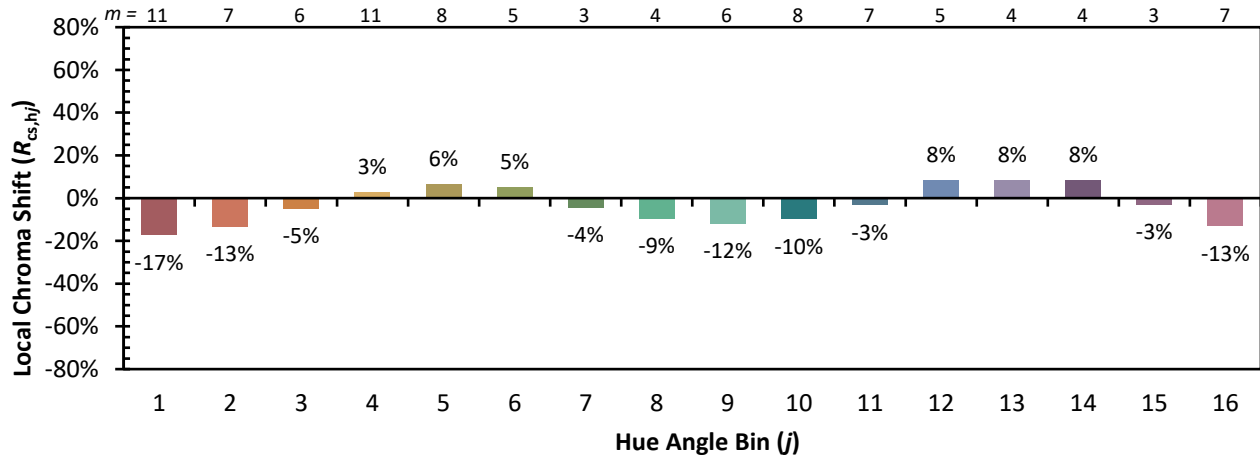
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CES03 = 31	CES28 = 87	CES53 = 77	CES78 = 68
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 50	CES30 = 90	CES55 = 83	CES80 = 85
CES06 = 52	CES31 = 77	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 68	CES57 = 73	CES82 = 93
CES08 = 41	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 80	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 89	CES85 = 71
CES11 = 60	CES36 = 90	CES61 = 80	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 87	CES87 = 77
CES13 = 43	CES38 = 99	CES63 = 78	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 65
CES15 = 72	CES40 = 94	CES65 = 66	CES90 = 81
CES16 = 48	CES41 = 96	CES66 = 60	CES91 = 78
CES17 = 51	CES42 = 90	CES67 = 58	CES92 = 54
CES18 = 57	CES43 = 80	CES68 = 66	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 82	CES71 = 60	CES96 = 76
CES22 = 80	CES47 = 90	CES72 = 86	CES97 = 80
CES23 = 92	CES48 = 75	CES73 = 57	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 92	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



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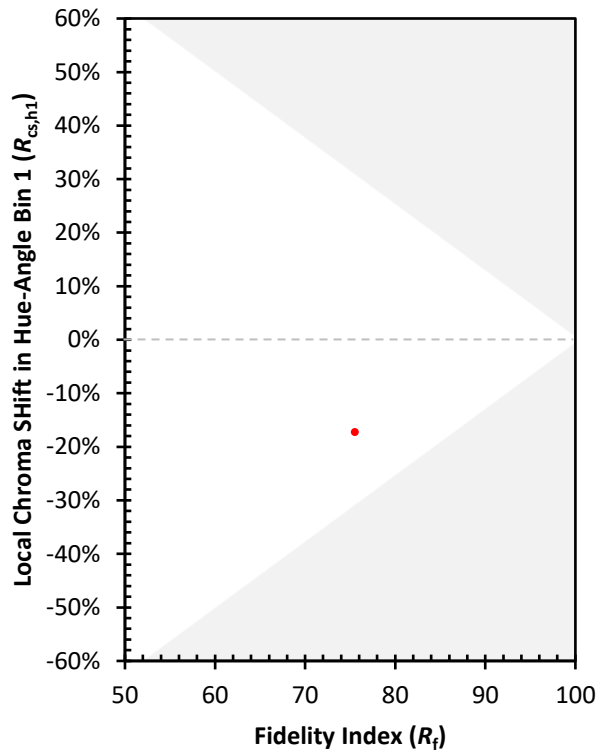
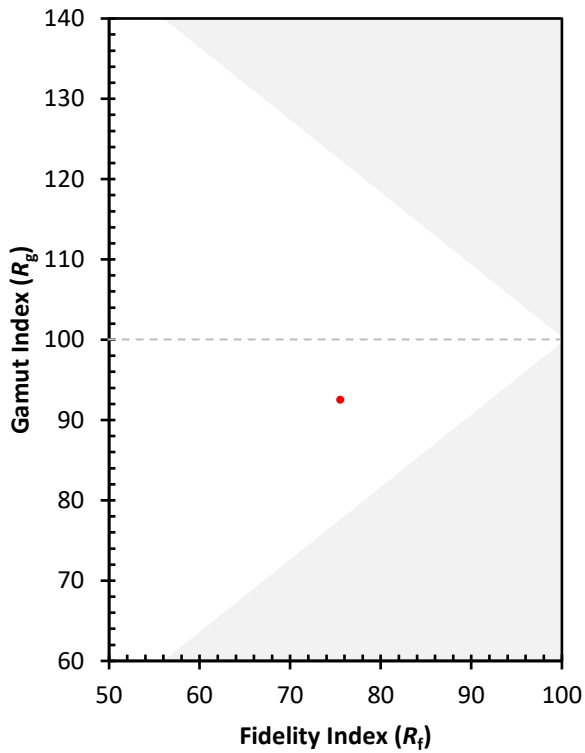
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)