

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: P856065

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

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856065  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-100-727-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

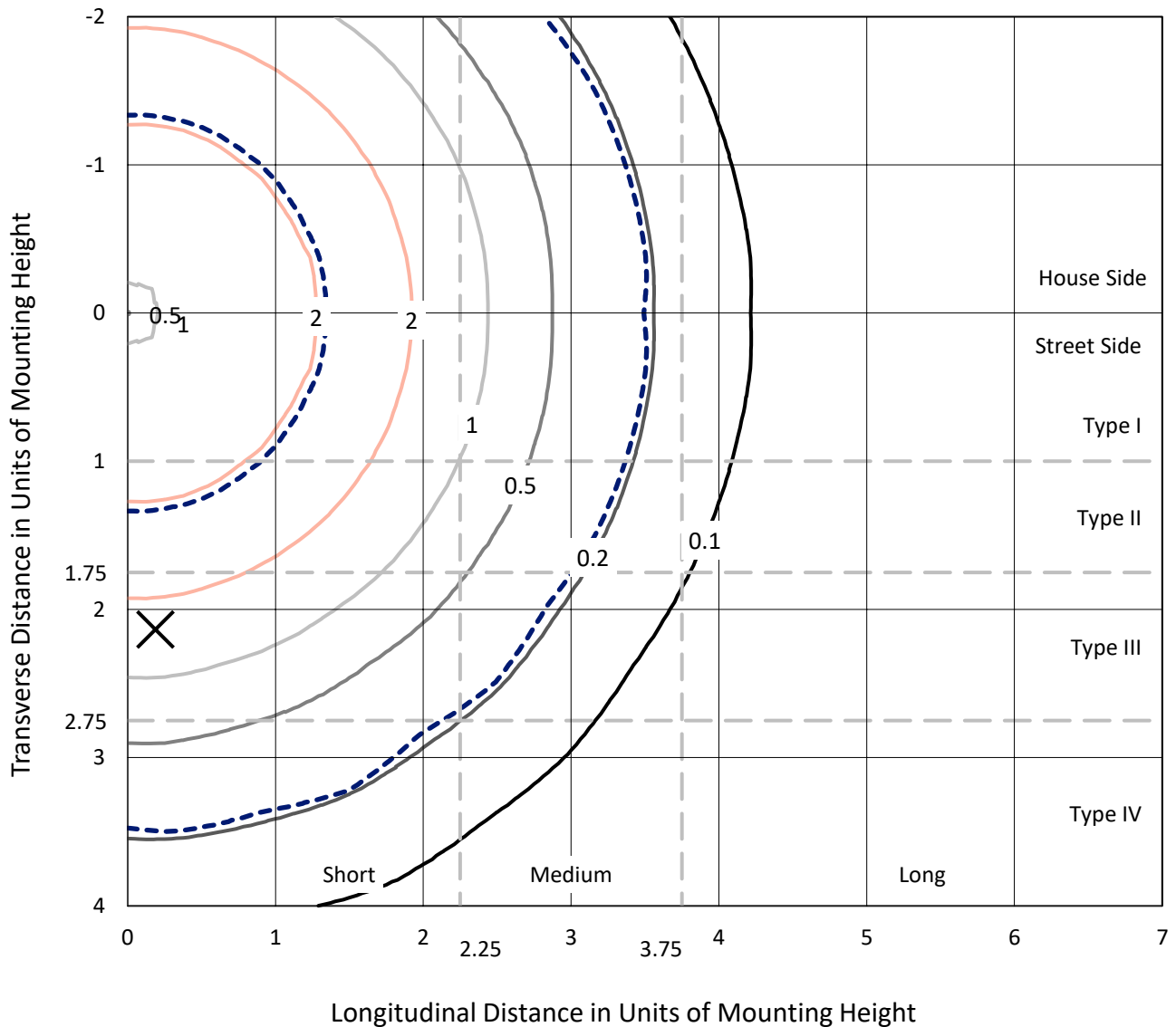
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14264.5 lumens  
Efficiency: N/A  
Efficacy: 148.0 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): 96.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.2%%  
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

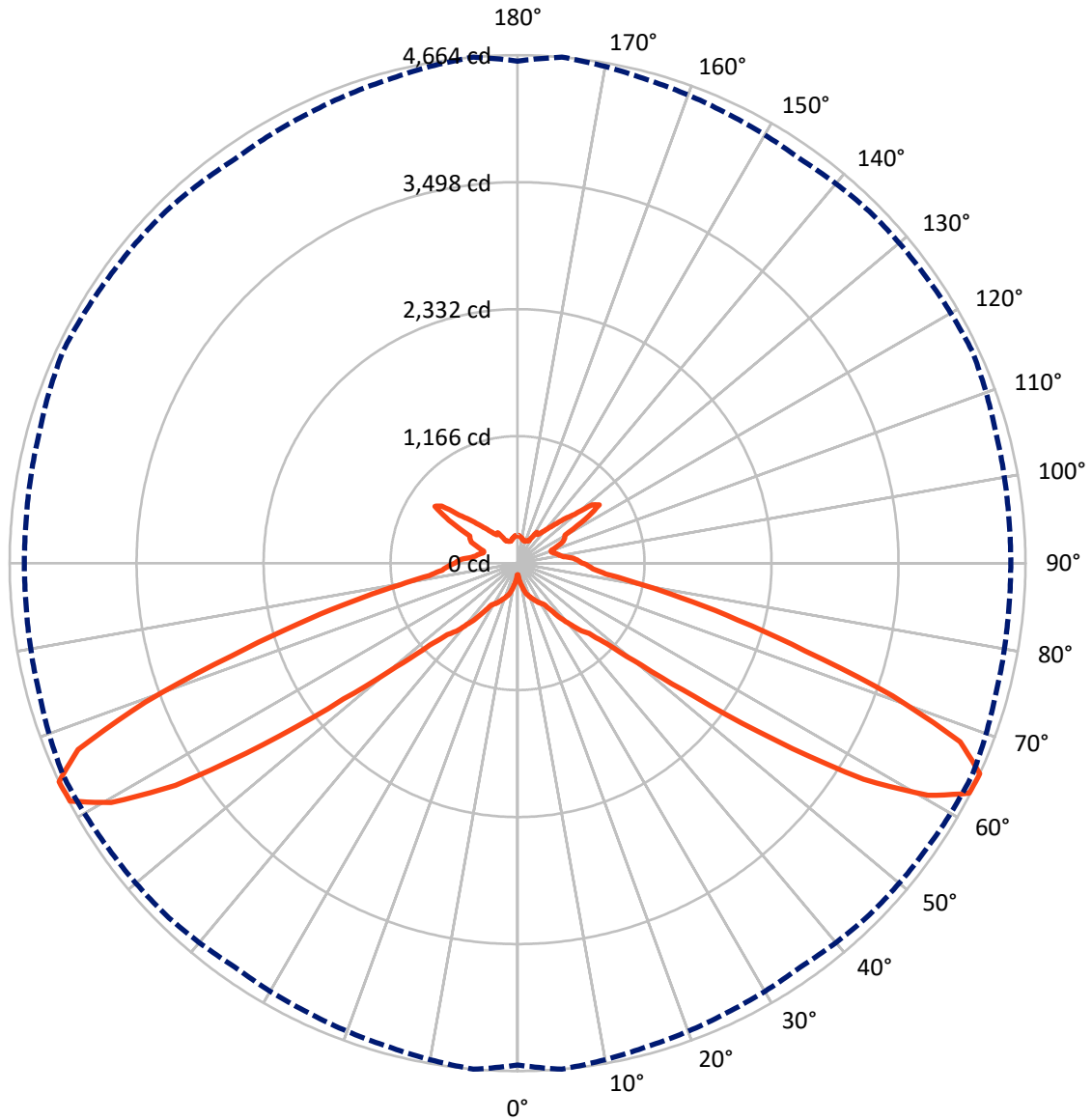
× Max cd  
 - - - 1/2 Max cd



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



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

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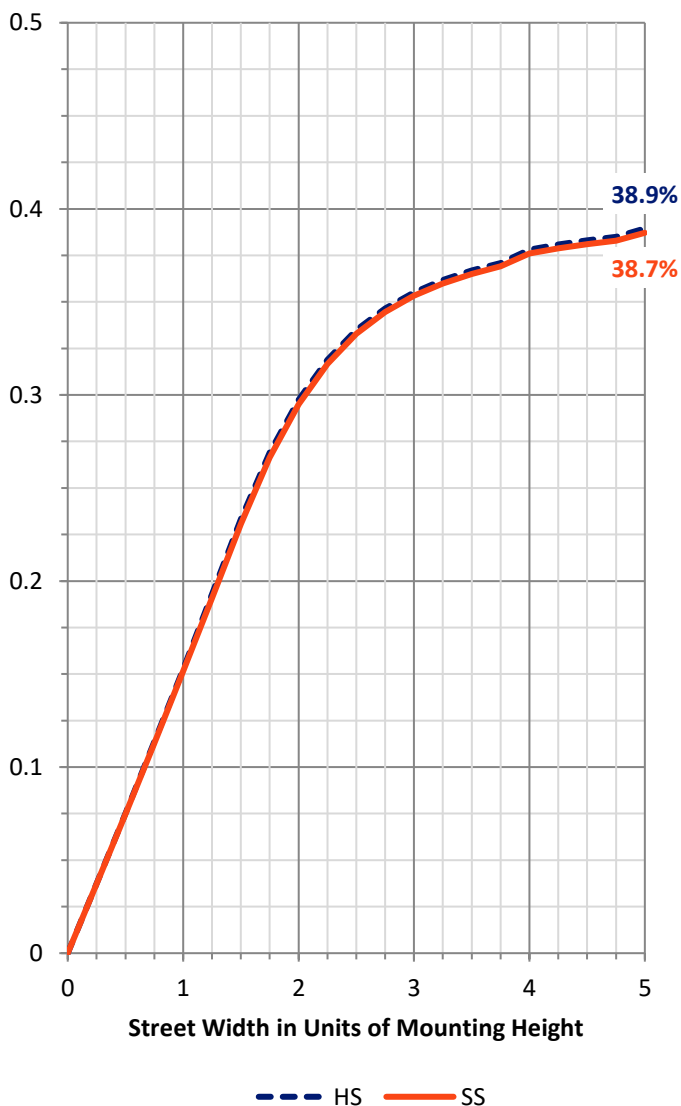
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5748.0	1384.3	7132.2
	% Fixture	40.3	9.7	50.0
<b>Street Side</b>	Lumens	5748.0	1384.3	7132.2
	% Fixture	40.3	9.7	50.0
<b>Total</b>	Lumens	11495.9	2768.6	14264.5
	% Fixture	80.6	19.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	0.1
10°-20°	81.5	0.6
20°-30°	177.0	1.2
30°-40°	351.2	2.5
40°-50°	761.8	5.3
50°-60°	2623.4	18.4
60°-70°	4308.7	30.2
70°-80°	2312.5	16.2
80°-90°	863.6	6.1
90°-100°	545.5	3.8
100°-110°	365.3	2.6
110°-120°	401.5	2.8
120°-130°	664.4	4.7
130°-140°	391.3	2.7
140°-150°	207.0	1.5
150°-160°	108.7	0.8
160°-170°	61.7	0.4
170°-180°	23.2	0.2
0°-90°	11495.9	80.6
0°-180°	14264.5	100.0



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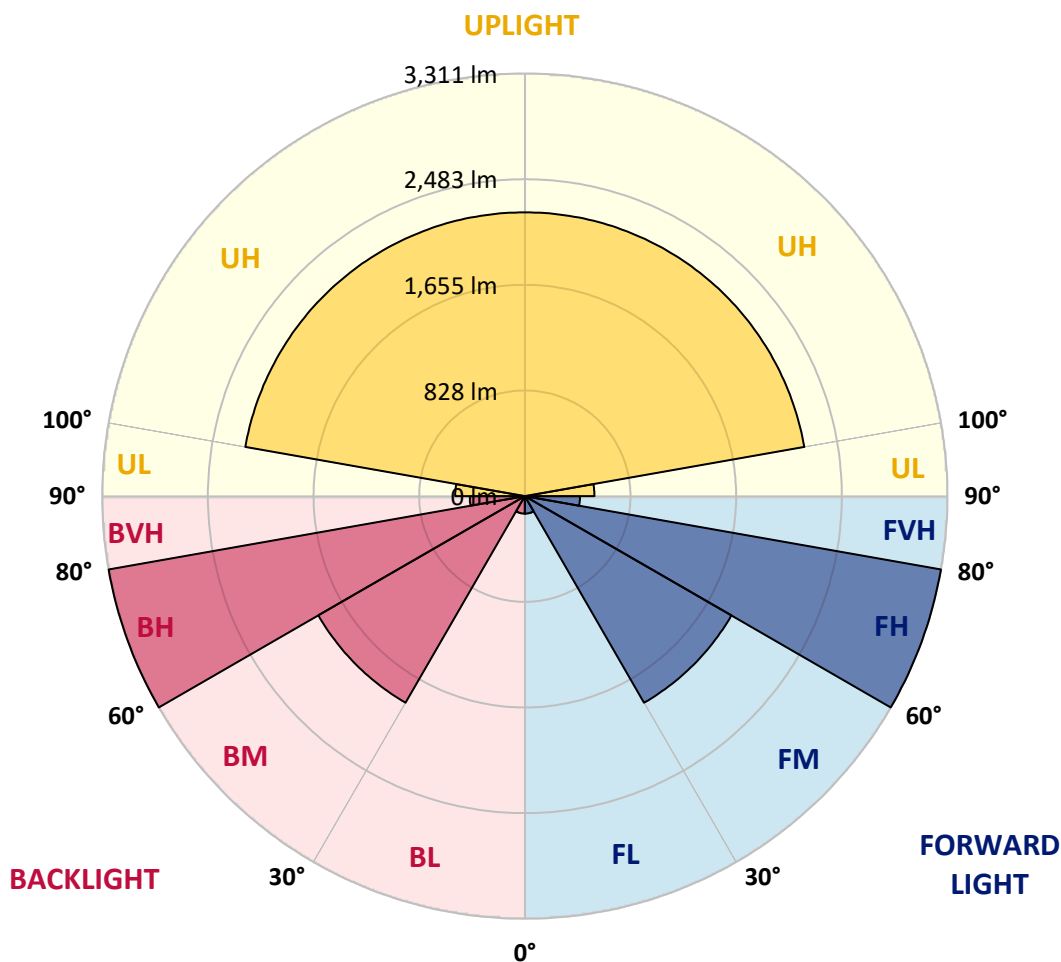
CATALOG NUMBER: FFX-CLB-100-727-U-FR-T5

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.3	1.0			
FM (30°-60°)	1868.2	13.1			
FH (60°-80°)	3310.6	23.2			G2/5000
FVH (80°-90°)	431.8	3.0			G3/500
BL (0°-30°)	137.3	1.0	B1/500		
BM (30°-60°)	1868.2	13.1	B2/2500		
BH (60°-80°)	3310.6	23.2	B4/5000		G2/5000
BVH (80°-90°)	431.8	3.0			G3/500
UL (90°-100°)	545.5	3.8		U4/1000	
UH (100°-180°)	2223.1	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°	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1
2.5°	112.0	112.0	110.5	109.0	110.5	112.0	112.0	113.4	110.5	110.5	112.0
5°	149.8	149.8	149.8	148.3	145.4	145.4	143.9	148.3	149.8	151.2	151.2
7.5°	186.1	184.6	187.6	189.0	181.7	178.8	178.8	180.3	183.2	186.1	189.0
10°	210.8	209.4	210.8	216.6	215.2	210.8	210.8	210.8	215.2	222.4	223.9
12.5°	248.6	248.6	251.5	255.9	257.3	253.0	250.1	250.1	255.9	257.3	255.9
15°	289.3	289.3	287.9	286.4	287.9	286.4	286.4	287.9	292.2	290.8	290.8
17.5°	311.1	309.7	308.2	309.7	309.7	308.2	309.7	312.6	311.1	315.5	317.0
20°	334.4	334.4	331.5	331.5	331.5	332.9	334.4	332.9	334.4	335.9	337.3
22.5°	356.2	356.2	354.8	353.3	354.8	356.2	357.7	354.8	354.8	357.7	357.7
25°	380.9	380.9	380.9	376.6	378.0	379.5	378.0	376.6	378.0	379.5	380.9
27.5°	408.6	408.6	405.6	401.3	402.7	402.7	404.2	401.3	404.2	404.2	404.2
30°	431.8	428.9	427.5	424.5	424.5	427.5	430.4	426.0	427.5	427.5	428.9
32.5°	453.6	453.6	452.2	446.4	444.9	453.6	456.5	455.1	449.3	450.7	452.2
35°	535.0	535.0	524.9	514.7	523.4	522.0	533.6	533.6	533.6	536.5	542.3
37.5°	636.8	641.2	657.2	680.4	680.4	647.0	629.5	628.1	651.4	671.7	670.3
40°	727.0	731.3	727.0	729.9	727.0	728.4	729.9	727.0	713.9	709.5	700.8
42.5°	838.9	840.4	812.7	780.8	783.7	799.7	818.6	820.0	792.4	779.3	776.4
45°	917.4	920.3	910.2	905.8	905.8	911.6	910.2	910.2	900.0	898.5	895.6
47.5°	1109.3	1103.5	1083.2	1075.9	1084.6	1080.3	1107.9	1100.6	1089.0	1089.0	1099.2
50°	1471.4	1465.5	1467.0	1459.7	1483.0	1449.6	1483.0	1474.3	1456.8	1465.5	1472.8
52.5°	2063.1	2026.8	2031.1	2016.6	2057.3	2026.8	2082.0	2074.7	2018.0	2042.8	2044.2
55°	2915.1	2868.6	2865.7	2768.3	2843.9	2854.0	2923.8	2941.3	2830.8	2832.2	2839.5
57.5°	3759.8	3745.3	3791.8	3730.8	3784.5	3759.8	3758.4	3790.4	3726.4	3735.1	3758.4
60°	4319.6	4331.2	4383.6	4399.6	4418.5	4383.6	4312.3	4326.9	4322.5	4396.6	4402.5
62.5°	4619.1	4654.0	4616.2	4604.6	4588.6	4601.7	4592.9	4601.7	4575.5	4610.4	4611.8
65°	4608.9	4664.2	4595.8	4553.7	4527.5	4568.2	4579.8	4606.0	4550.8	4529.0	4529.0
67.5°	4316.7	4383.6	4276.0	4271.6	4207.6	4276.0	4257.1	4277.4	4233.8	4203.3	4174.2
70°	3591.2	3652.2	3522.8	3538.8	3428.3	3540.3	3511.2	3549.0	3514.1	3454.5	3419.6
72.5°	2705.7	2759.5	2663.6	2688.3	2615.6	2699.9	2654.9	2718.8	2697.0	2670.8	2641.8
75°	2047.1	2089.3	2095.1	2178.0	2090.7	2131.4	2050.0	2087.8	2124.2	2154.7	2122.7
77.5°	1506.3	1535.3	1622.6	1714.2	1628.4	1657.5	1576.0	1612.4	1645.8	1698.2	1674.9
80°	1064.3	1097.7	1177.7	1246.0	1183.5	1209.7	1157.3	1177.7	1203.8	1241.6	1216.9
82.5°	828.7	817.1	814.2	796.7	777.8	843.3	856.4	868.0	843.3	833.1	821.5
85°	695.0	697.9	715.3	737.1	737.1	738.6	725.5	731.3	741.5	760.4	761.9
87.5°	638.3	647.0	696.4	713.9	706.6	709.5	697.9	700.8	708.1	718.2	715.3
90°	562.7	584.5	631.0	648.4	636.8	642.6	636.8	641.2	635.4	638.3	632.5
92.5°	549.6	548.1	562.7	561.2	553.9	571.4	571.4	574.3	567.0	562.7	559.8
95°	508.9	506.0	504.5	508.9	492.9	506.0	503.1	508.9	506.0	506.0	500.1
97.5°	426.0	426.0	423.1	427.5	417.3	423.1	415.8	420.2	418.7	420.2	415.8
100°	392.6	392.6	389.7	389.7	385.3	386.7	383.8	383.8	382.4	380.9	380.9
102.5°	369.3	372.2	367.8	369.3	363.5	363.5	360.6	362.0	360.6	360.6	359.1
105°	347.5	348.9	346.0	346.0	341.7	340.2	337.3	338.8	340.2	337.3	337.3
107.5°	325.7	327.1	325.7	325.7	321.3	318.4	314.0	314.0	315.5	317.0	317.0
110°	334.4	330.0	325.7	322.8	328.6	319.9	317.0	315.5	317.0	321.3	322.8



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 CATALOG NUMBER: FFX-CLB-100-727-U-FR-T5

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	399.8	396.9	396.9	383.8	398.4	389.7	383.8	373.7	378.0	380.9	380.9
115°	463.8	465.3	447.8	442.0	433.3	431.8	436.2	424.5	423.1	424.5	421.6
117.5°	520.5	490.0	424.5	407.1	402.7	399.8	396.9	394.0	391.1	408.6	389.7
120°	556.9	504.5	456.5	446.4	471.1	436.2	412.9	408.6	417.3	447.8	443.4
122.5°	789.5	744.4	709.5	648.4	709.5	674.6	683.3	667.3	658.6	641.2	644.1
125°	923.2	921.8	905.8	894.2	908.7	895.6	881.1	875.3	866.5	870.9	863.6
127.5°	857.8	870.9	850.5	873.8	821.5	836.0	833.1	843.3	834.5	837.5	825.8
130°	679.0	689.2	670.3	658.6	635.4	661.5	663.0	679.0	661.5	638.3	635.4
132.5°	593.2	600.5	571.4	556.9	540.9	564.1	574.3	583.0	571.4	546.7	540.9
135°	504.5	507.4	487.1	490.0	479.8	479.8	478.3	482.7	488.5	484.2	481.2
137.5°	433.3	440.5	433.3	442.0	433.3	426.0	414.4	418.7	431.8	442.0	440.5
140°	375.1	382.4	383.8	392.6	375.1	378.0	370.7	373.7	380.9	391.1	395.5
142.5°	332.9	338.8	325.7	318.4	312.6	330.0	343.1	344.6	335.9	324.2	328.6
145°	324.2	318.4	324.2	318.4	324.2	321.3	322.8	321.3	321.3	321.3	321.3
147.5°	328.6	334.4	334.4	334.4	325.7	327.1	328.6	330.0	330.0	335.9	334.4
150°	273.3	280.6	279.2	286.4	273.3	276.2	277.7	280.6	282.1	283.5	285.0
152.5°	231.2	232.6	237.0	239.9	238.4	237.0	235.5	235.5	238.4	241.4	242.8
155°	225.4	225.4	229.7	234.1	229.7	229.7	228.3	228.3	229.7	234.1	234.1
157.5°	216.6	218.1	218.1	221.0	218.1	219.5	218.1	218.1	219.5	221.0	222.4
160°	212.3	213.7	213.7	213.7	213.7	213.7	213.7	213.7	213.7	215.2	215.2
162.5°	212.3	212.3	212.3	210.8	210.8	212.3	212.3	212.3	212.3	210.8	212.3
165°	216.6	215.2	213.7	212.3	213.7	216.6	218.1	218.1	216.6	213.7	215.2
167.5°	225.4	225.4	223.9	222.4	223.9	225.4	226.8	226.8	225.4	223.9	223.9
170°	234.1	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
172.5°	239.9	239.9	241.4	239.9	241.4	241.4	239.9	239.9	239.9	239.9	241.4
175°	248.6	248.6	248.6	248.6	250.1	250.1	250.1	250.1	250.1	250.1	250.1
177.5°	254.4	254.4	254.4	254.4	254.4	254.4	254.4	254.4	254.4	254.4	254.4
180°	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9



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**

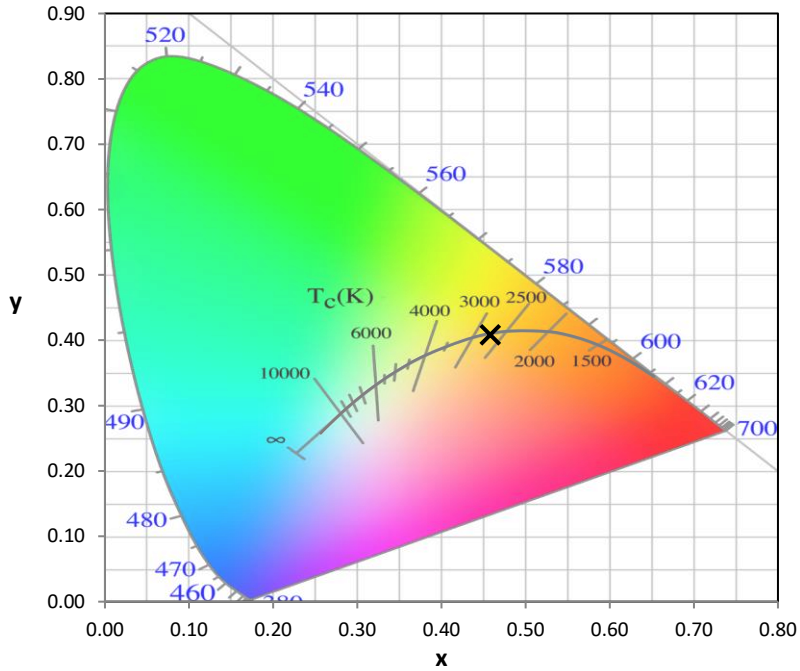
Stabilization Time: 0.813602M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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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**

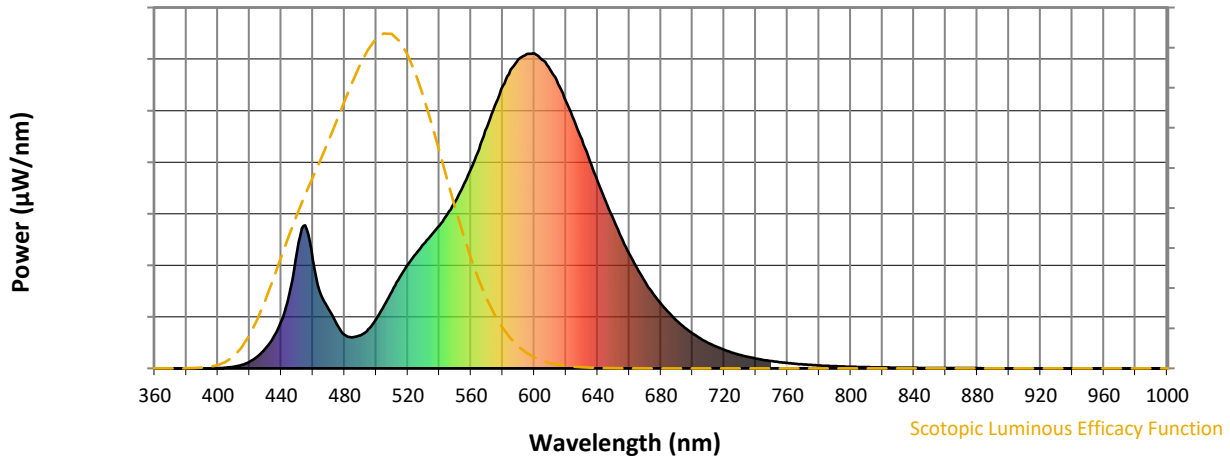


**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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**



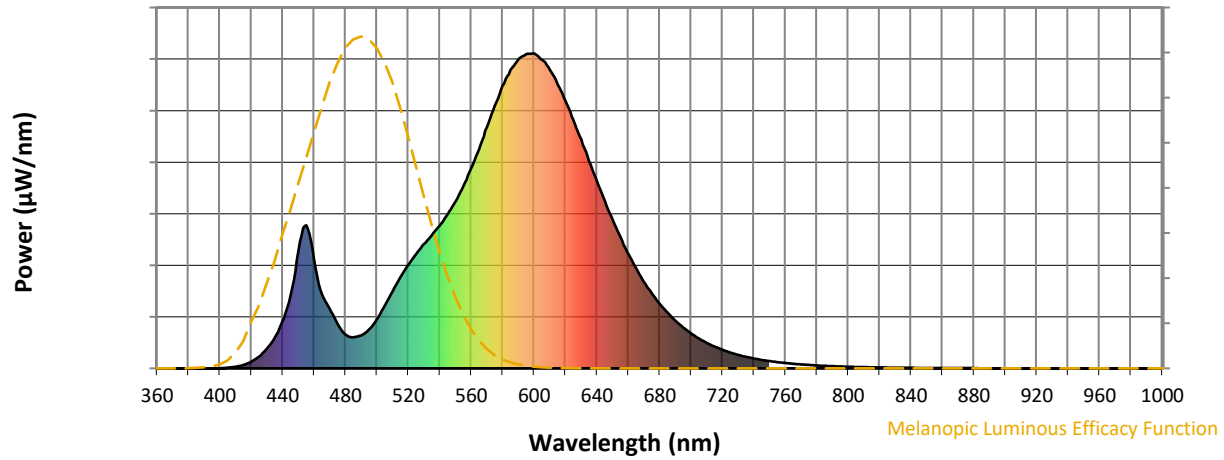
**Scotopic Lumens: NR**

**S/P: 1.12**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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

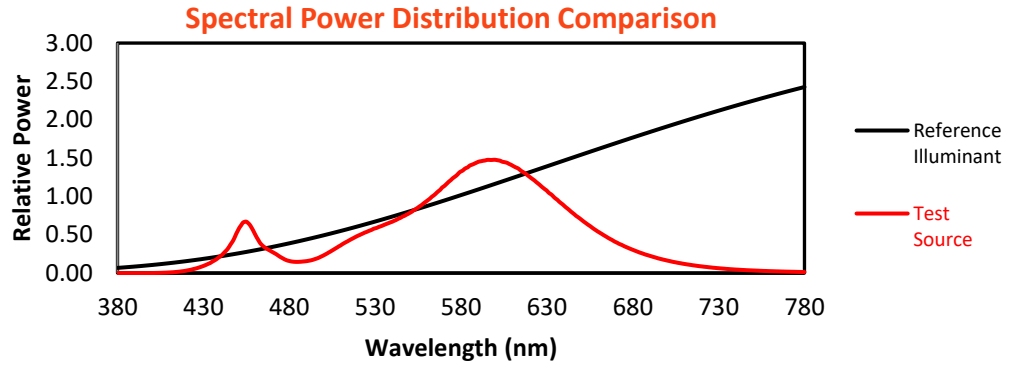
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	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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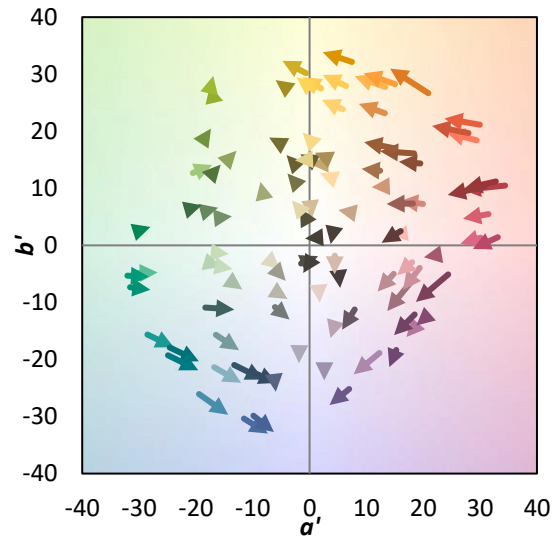
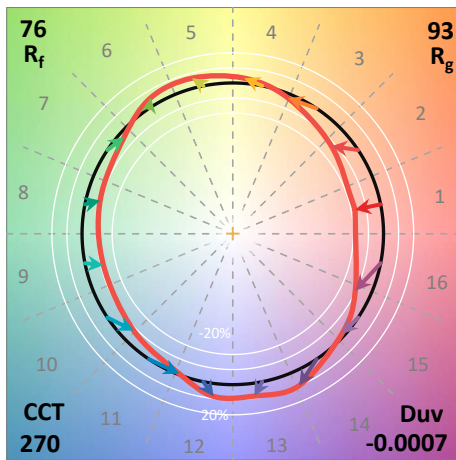
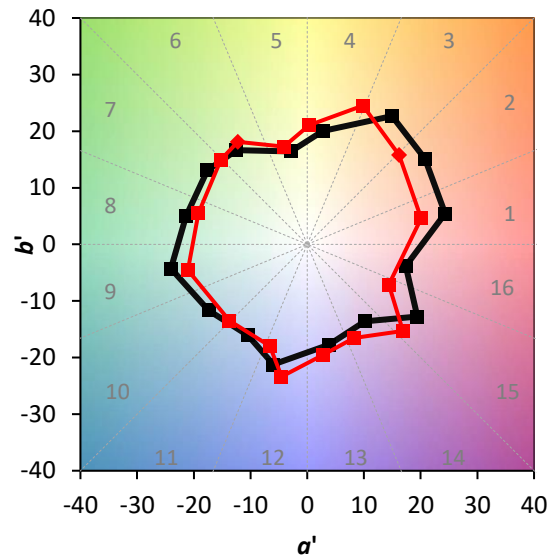
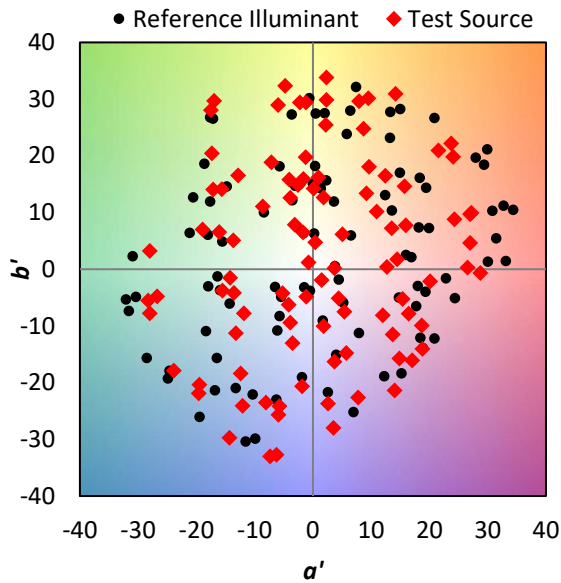
TM-30-18

**Summary**

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



**Color Vector Graphics**



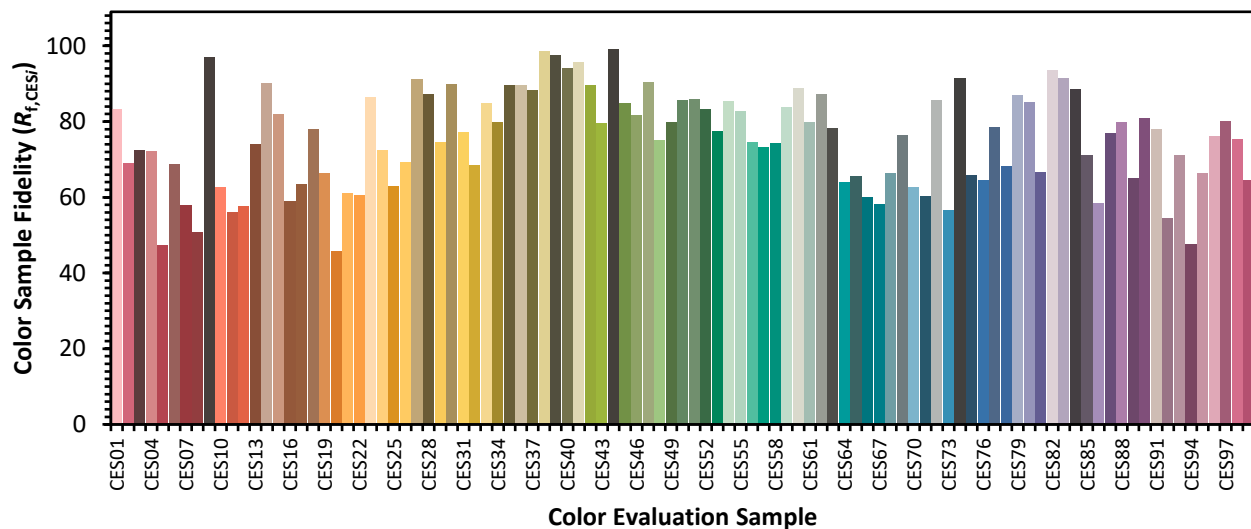


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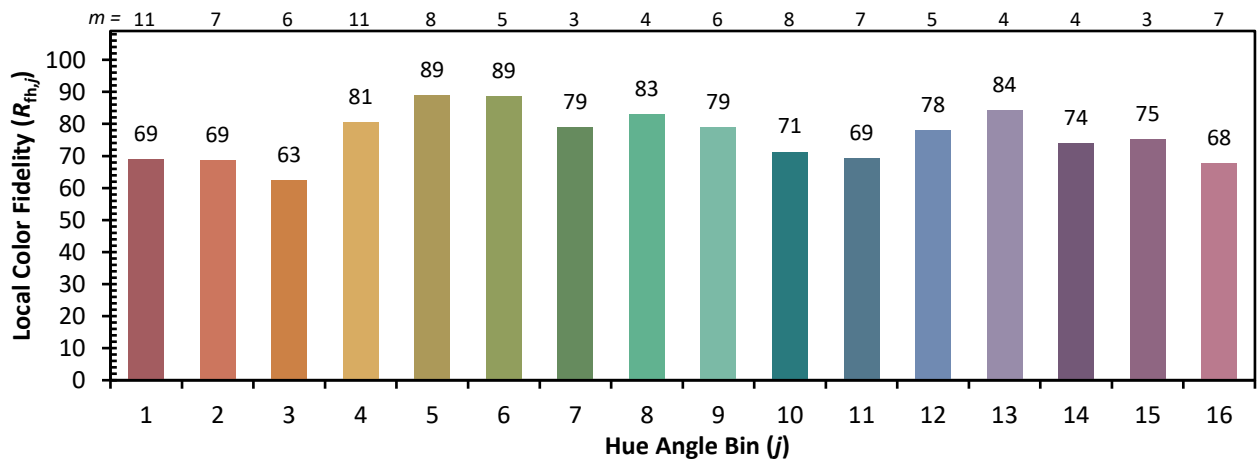
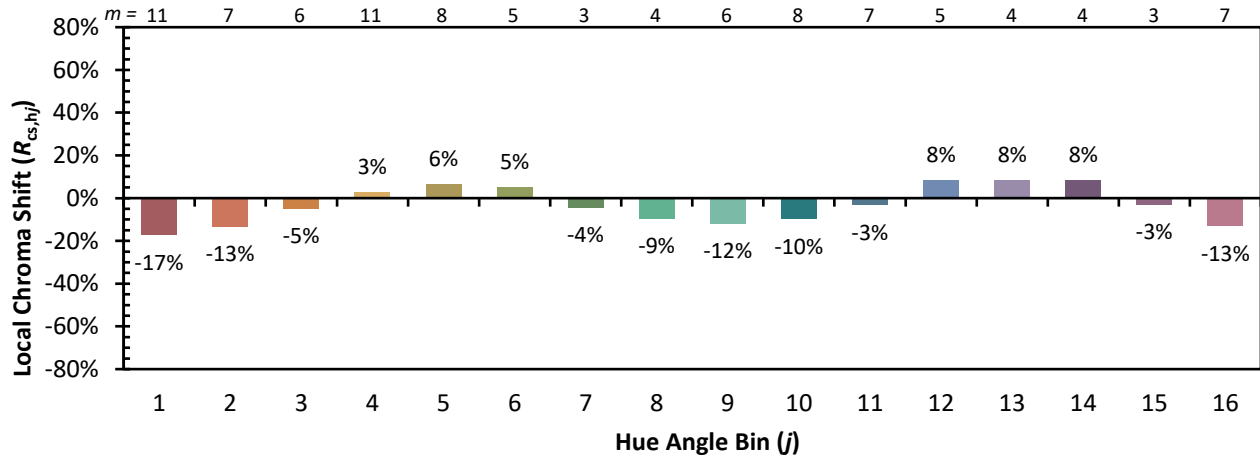
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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

CES01 = 86	CES26 = 69	CES51 = 86	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 83	CES77 = 79
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	



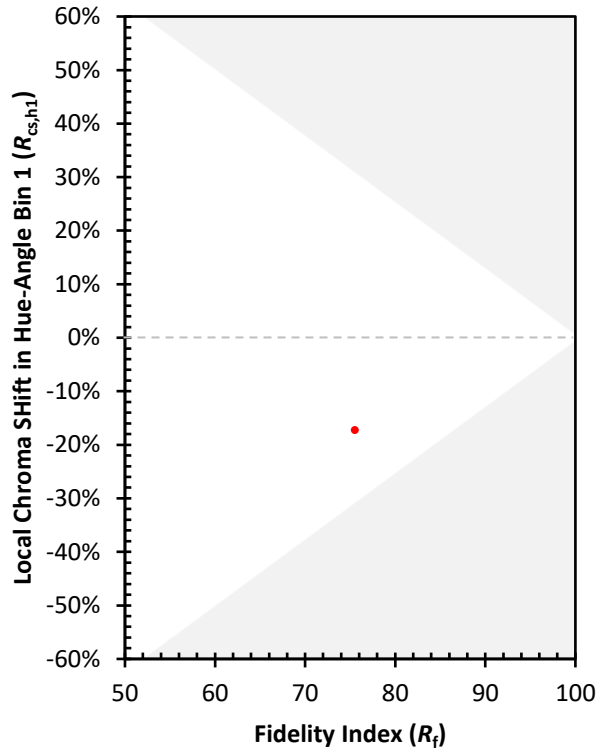
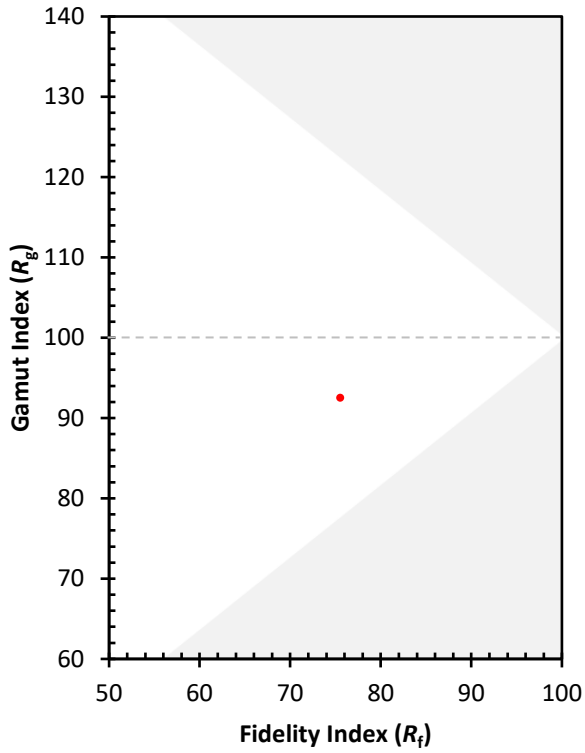
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)