

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: P856164

Luminaire Tested: **FFX-CLB-100-730-U-FR-T5-UPLR**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856164  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-100-730-U-FR-T5-UPLR  
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

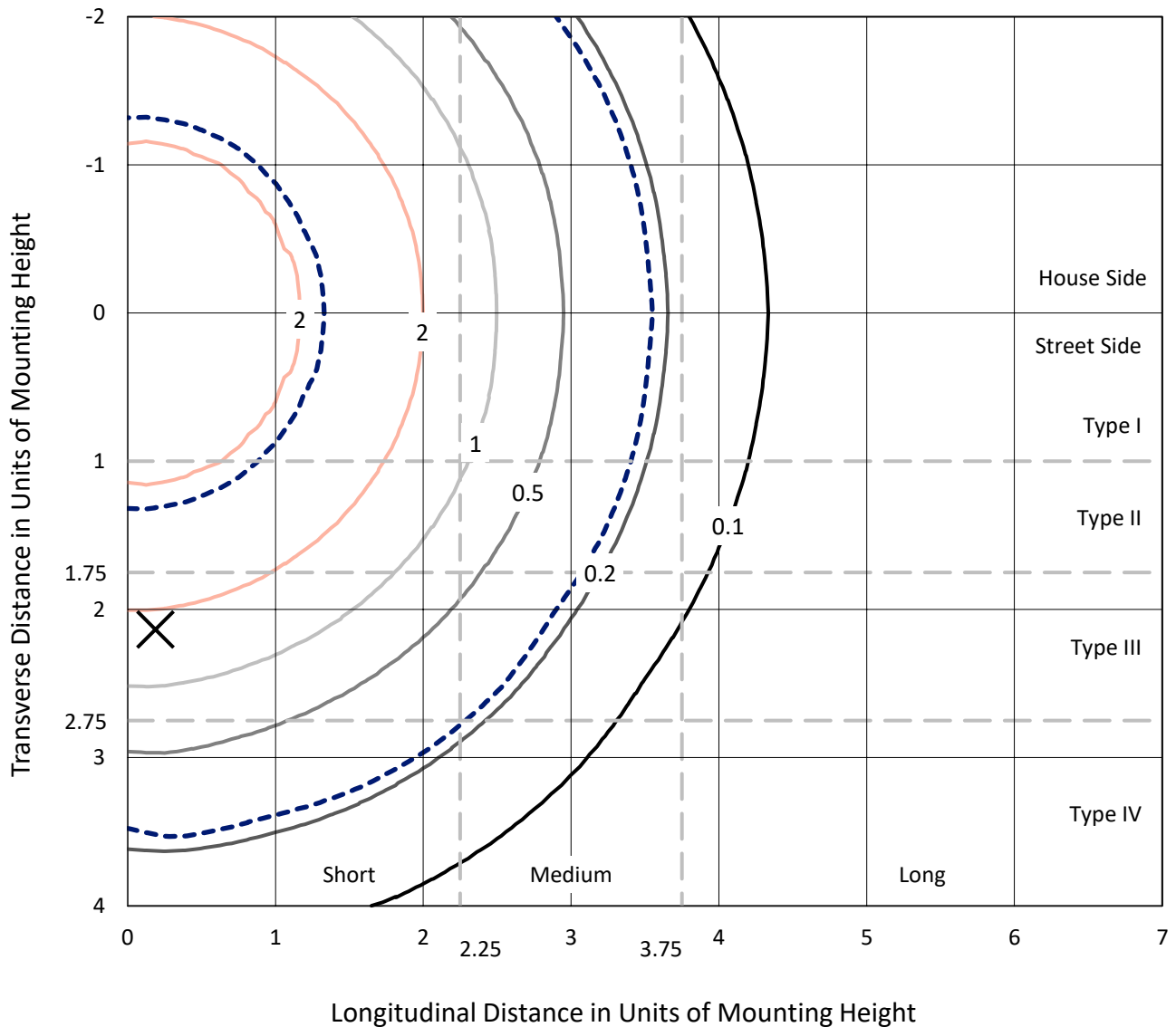
Lumens per Lamp: N/A  
Luminaire Lumens: 14857.5 lumens  
Efficiency: N/A  
Efficacy: 154.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')  
IES Classification: Type V - Short  
BUG Rating: B4 - U5 - G3

Input Watts (W): 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

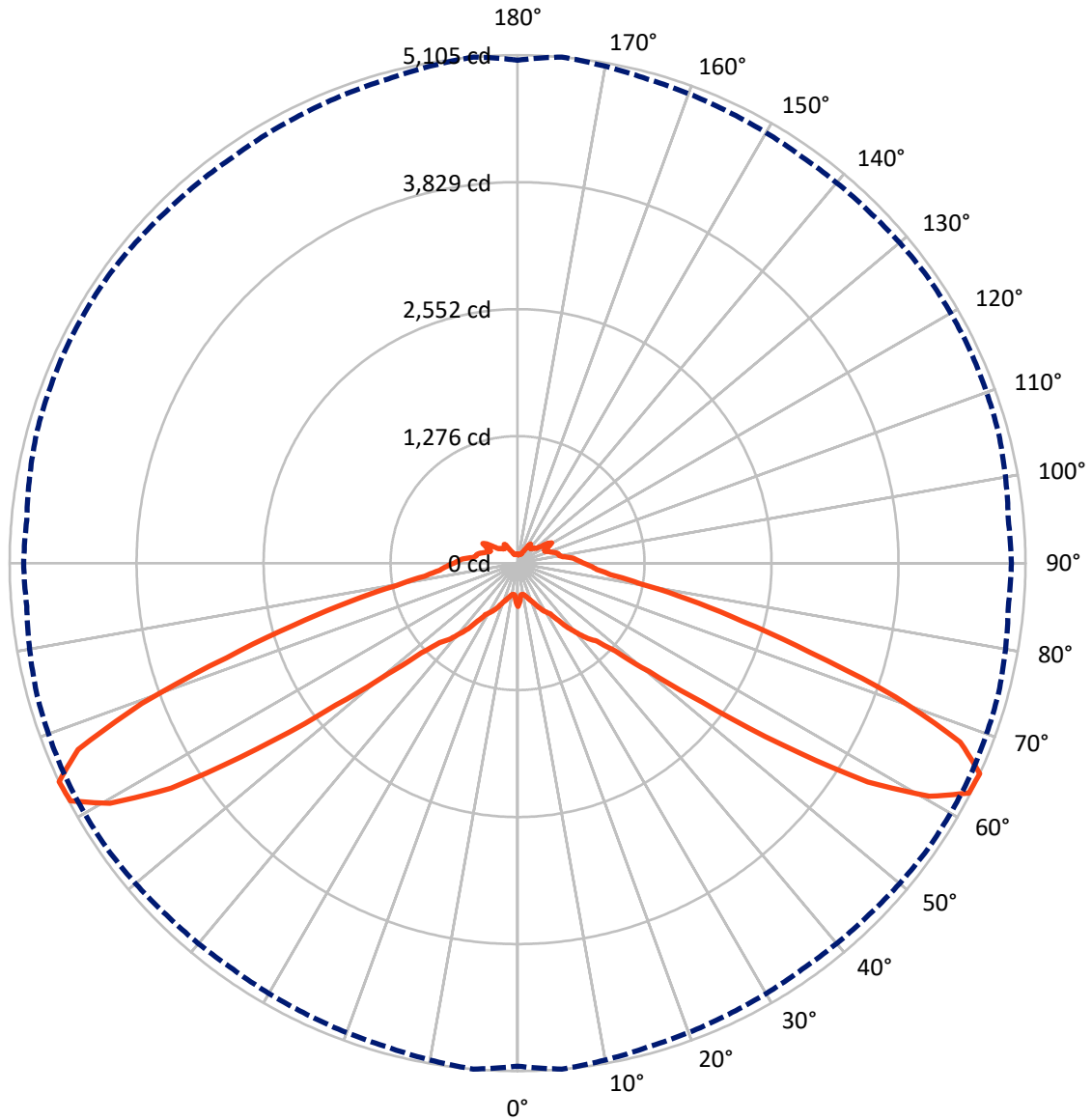
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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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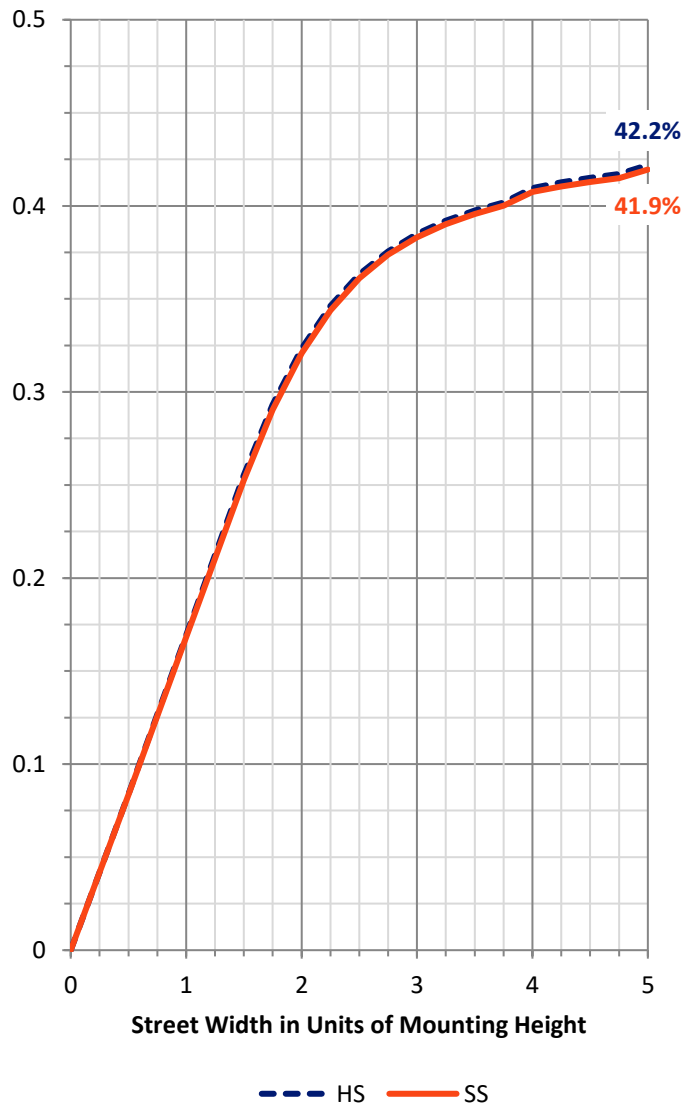
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6490.0	938.8	7428.7
	% Fixture	43.7	6.3	50.0
<b>Street Side</b>	Lumens	6490.0	938.8	7428.7
	% Fixture	43.7	6.3	50.0
<b>Total</b>	Lumens	12979.9	1877.6	14857.5
	% Fixture	87.4	12.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.6	0.2
10°-20°	104.3	0.7
20°-30°	226.1	1.5
30°-40°	458.1	3.1
40°-50°	923.5	6.2
50°-60°	2936.1	19.8
60°-70°	4734.9	31.9
70°-80°	2582.1	17.4
80°-90°	983.2	6.6
90°-100°	590.0	4.0
100°-110°	376.3	2.5
110°-120°	286.2	1.9
120°-130°	242.2	1.6
130°-140°	157.8	1.1
140°-150°	132.3	0.9
150°-160°	59.3	0.4
160°-170°	25.1	0.2
170°-180°	8.4	0.1
0°-90°	12979.9	87.4
0°-180°	14857.5	100.0



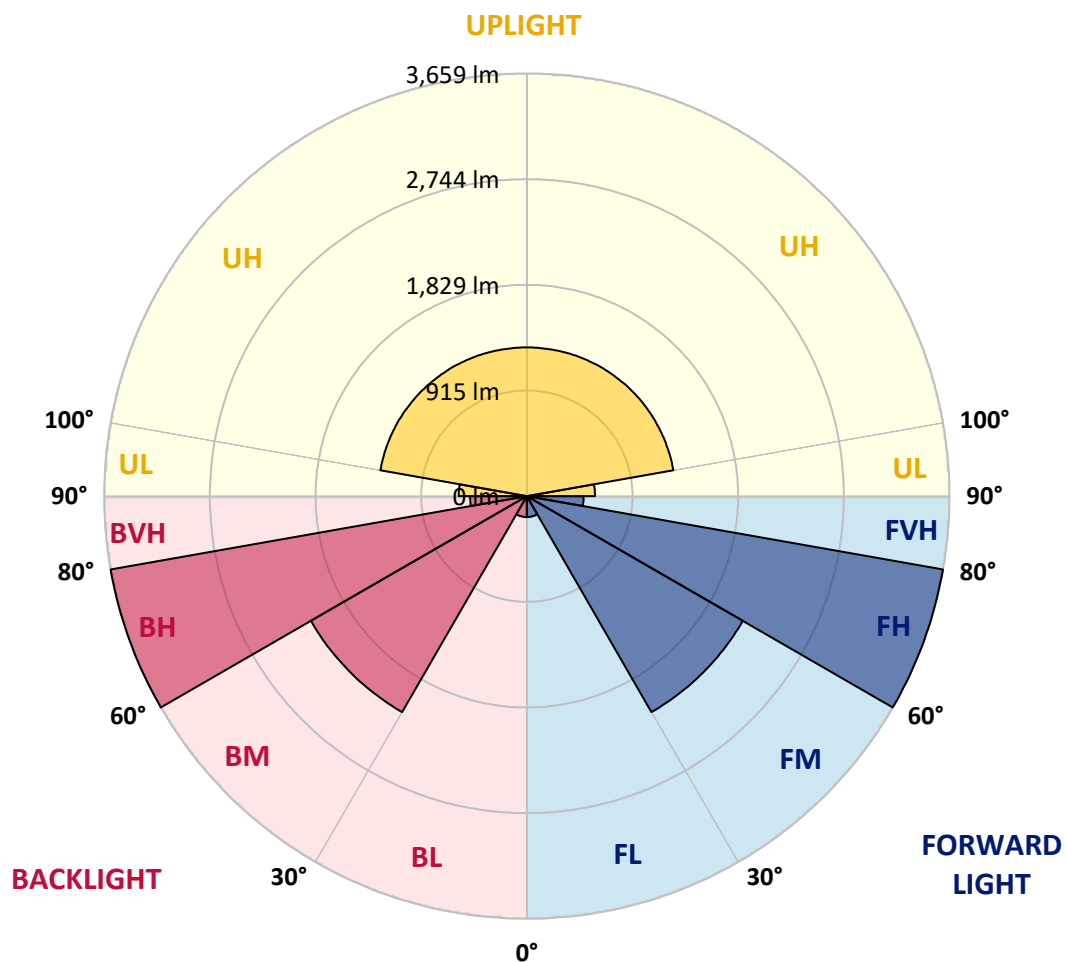
REPORT NUMBER: P856164  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.0	1.2			
FM (30°-60°)	2158.8	14.5			
FH (60°-80°)	3658.5	24.6			G2/5000
FVH (80°-90°)	491.6	3.3			G3/500
BL (0°-30°)	181.0	1.2	B1/500		
BM (30°-60°)	2158.8	14.5	B2/2500		
BH (60°-80°)	3658.5	24.6	B4/5000		G2/5000
BVH (80°-90°)	491.6	3.3			G3/500
UL (90°-100°)	590.0	4.0		U4/1000	
UH (100°-180°)	1287.6	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°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	389.5	395.7	378.6	364.6	358.4	360.0	373.9	387.9	373.9	378.6	378.6
5°	322.7	324.3	324.3	321.2	325.8	316.5	305.7	305.7	316.5	328.9	328.9
7.5°	311.9	316.5	328.9	328.9	333.6	318.1	302.6	304.1	319.6	338.3	342.9
10°	321.2	321.2	318.1	321.2	332.0	330.5	313.4	305.7	316.5	335.2	341.4
12.5°	335.2	335.2	344.5	358.4	360.0	346.0	328.9	327.4	339.8	352.2	352.2
15°	355.3	356.9	361.5	360.0	364.6	360.0	355.3	358.4	366.2	366.2	366.2
17.5°	381.7	381.7	381.7	381.7	381.7	383.3	384.8	384.8	384.8	387.9	387.9
20°	411.2	411.2	409.6	408.1	408.1	409.6	411.2	411.2	411.2	414.3	414.3
22.5°	448.4	446.9	443.8	443.8	443.8	445.3	442.2	440.7	439.1	440.7	440.7
25°	491.9	491.9	488.8	484.1	484.1	482.6	477.9	476.3	474.8	477.9	476.3
27.5°	535.3	535.3	530.7	524.4	524.4	524.4	521.3	518.2	515.1	516.7	516.7
30°	575.7	572.5	571.0	566.3	564.8	566.3	563.2	563.2	557.0	555.5	558.6
32.5°	612.9	609.8	612.9	608.2	603.6	608.2	606.7	606.7	597.4	594.3	597.4
35°	715.3	707.5	713.7	702.9	696.7	698.2	701.3	707.5	698.2	693.6	695.1
37.5°	825.5	823.9	844.1	861.2	858.0	831.7	814.6	817.7	830.1	847.2	847.2
40°	927.9	924.8	929.4	923.2	923.2	920.1	918.6	926.3	901.5	895.3	890.6
42.5°	1034.9	1033.4	1007.0	969.8	962.0	993.0	1007.0	1017.9	982.2	969.8	960.5
45°	1140.4	1118.7	1114.1	1101.7	1089.2	1109.4	1107.9	1115.6	1098.6	1097.0	1089.2
47.5°	1362.3	1322.0	1308.0	1309.6	1283.2	1304.9	1314.2	1339.1	1303.4	1304.9	1303.4
50°	1762.6	1711.4	1734.7	1719.2	1691.3	1717.6	1716.1	1761.1	1702.1	1723.9	1714.5
52.5°	2388.0	2318.1	2332.1	2322.8	2294.9	2349.2	2361.6	2428.3	2315.0	2343.0	2335.2
55°	3292.5	3216.5	3247.6	3135.8	3106.4	3213.4	3253.8	3331.3	3180.8	3196.3	3188.6
57.5°	4155.3	4150.6	4203.4	4124.2	4097.8	4173.9	4136.6	4204.9	4124.2	4181.6	4163.0
60°	4743.3	4755.7	4808.5	4831.8	4785.2	4825.6	4735.6	4786.8	4761.9	4845.7	4838.0
62.5°	5049.0	5089.3	5058.3	5059.9	5008.6	5039.7	5022.6	5052.1	5045.9	5053.6	5045.9
65°	5055.2	5104.8	5036.6	5005.5	4983.8	4996.2	5025.7	5025.7	5007.1	4951.2	4963.7
67.5°	4724.7	4799.2	4723.1	4679.7	4692.1	4687.5	4707.6	4681.3	4670.4	4588.2	4589.7
70°	3911.6	4031.1	3919.4	3879.1	3911.6	3931.8	3930.3	3908.5	3891.5	3789.1	3818.6
72.5°	2969.8	3075.3	2976.0	2960.5	2991.5	3022.6	2996.2	3022.6	2994.6	2948.1	2962.1
75°	2242.1	2332.1	2332.1	2391.1	2400.4	2383.3	2310.4	2339.9	2358.5	2360.0	2374.0
77.5°	1649.4	1744.0	1793.7	1889.9	1885.2	1855.7	1767.3	1801.4	1837.1	1862.0	1879.0
80°	1173.0	1244.4	1317.3	1385.6	1394.9	1370.1	1315.8	1335.9	1357.7	1374.7	1384.0
82.5°	909.3	941.8	927.9	920.1	932.5	968.2	980.6	993.0	962.0	941.8	949.6
85°	792.9	796.0	820.8	837.9	842.5	842.5	830.1	839.4	847.2	867.4	867.4
87.5°	723.1	726.2	788.2	805.3	811.5	803.7	788.2	794.4	800.6	813.1	813.1
90°	642.4	651.7	713.7	727.7	733.9	721.5	716.9	721.5	713.7	718.4	718.4
92.5°	597.4	597.4	626.9	620.7	619.1	620.7	622.2	626.9	619.1	616.0	616.0
95°	546.2	553.9	546.2	552.4	550.8	543.1	540.0	543.1	538.4	538.4	541.5
97.5°	457.7	459.3	445.3	450.0	450.0	443.8	436.0	439.1	434.5	437.6	439.1
100°	428.2	423.6	400.3	397.2	395.7	391.0	386.4	386.4	384.8	383.3	384.8
102.5°	418.9	418.9	387.9	381.7	378.6	370.8	364.6	364.6	364.6	364.6	366.2
105°	383.3	394.1	370.8	366.2	361.5	352.2	342.9	341.4	344.5	341.4	346.0
107.5°	347.6	356.9	344.5	344.5	339.8	330.5	324.3	322.7	324.3	321.2	324.3
110°	327.4	332.0	318.1	318.1	315.0	307.2	305.7	304.1	304.1	299.5	302.6



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 CATALOG NUMBER: FFX-CLB-100-730-U-FR-T5-UPLR

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	302.6	302.6	291.7	288.6	288.6	283.9	282.4	280.8	280.8	280.8	282.4
115°	301.0	299.5	282.4	271.5	270.0	268.4	270.0	268.4	268.4	266.9	266.9
117.5°	367.7	352.2	294.8	268.4	268.4	270.0	276.2	271.5	260.7	260.7	259.1
120°	397.2	400.3	339.8	311.9	305.7	297.9	296.4	293.3	282.4	280.8	287.1
122.5°	350.7	366.2	328.9	318.1	311.9	302.6	296.4	294.8	294.8	287.1	297.9
125°	273.1	287.1	268.4	266.9	265.3	266.9	263.8	263.8	266.9	262.2	263.8
127.5°	234.3	240.5	232.7	232.7	231.2	229.6	226.5	228.1	226.5	228.1	229.6
130°	225.0	229.6	221.9	218.8	218.8	220.3	220.3	220.3	215.7	212.6	214.1
132.5°	223.4	221.9	209.5	203.3	203.3	214.1	218.8	218.8	207.9	200.2	200.2
135°	201.7	203.3	201.7	194.0	195.5	198.6	203.3	204.8	194.0	189.3	190.8
137.5°	194.0	198.6	200.2	197.1	197.1	194.0	192.4	194.0	190.8	192.4	192.4
140°	194.0	195.5	200.2	203.3	200.2	197.1	197.1	197.1	198.6	203.3	206.4
142.5°	198.6	200.2	198.6	197.1	201.7	209.5	215.7	215.7	211.0	207.9	209.5
145°	228.1	232.7	232.7	228.1	231.2	228.1	228.1	225.0	225.0	225.0	226.5
147.5°	217.2	215.7	218.8	223.4	218.8	217.2	217.2	218.8	221.9	223.4	225.0
150°	170.7	166.0	169.1	178.4	176.9	176.9	176.9	178.4	180.0	180.0	181.5
152.5°	135.0	135.0	138.1	138.1	139.6	139.6	138.1	138.1	138.1	139.6	139.6
155°	121.0	119.5	122.6	127.2	124.1	124.1	124.1	124.1	124.1	124.1	125.7
157.5°	105.5	104.0	104.0	105.5	105.5	105.5	105.5	107.1	107.1	105.5	107.1
160°	96.2	96.2	94.6	94.6	94.6	96.2	97.8	97.8	96.2	94.6	94.6
162.5°	91.5	91.5	88.4	86.9	86.9	88.4	91.5	91.5	88.4	86.9	86.9
165°	91.5	90.0	85.3	82.2	82.2	85.3	90.0	90.0	85.3	82.2	82.2
167.5°	90.0	90.0	86.9	83.8	83.8	86.9	88.4	90.0	88.4	85.3	83.8
170°	86.9	86.9	88.4	88.4	86.9	86.9	86.9	86.9	88.4	88.4	88.4
172.5°	90.0	88.4	90.0	91.5	91.5	90.0	88.4	88.4	90.0	91.5	91.5
175°	91.5	91.5	90.0	90.0	90.0	88.4	88.4	88.4	90.0	91.5	90.0
177.5°	82.2	82.2	80.7	82.2	82.2	82.2	80.7	82.2	82.2	82.2	83.8
180°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6



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: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

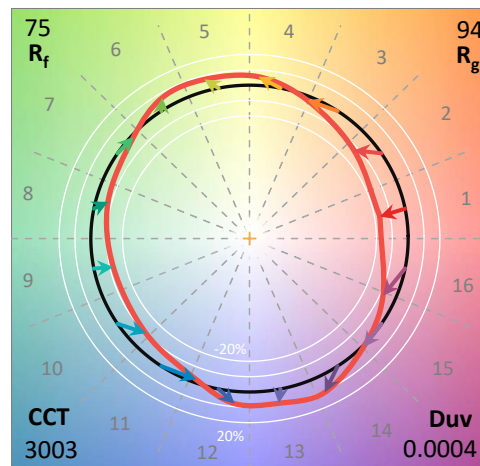
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-4  
 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-100-730-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 3003  
 CIE u': 0.2503  
 CIE v': 0.5219  
 Duv: 0.0004  
 CIE x: 0.4373  
 CIE y: 0.4053  
 CIE z: 0.1573  
 Peak Wavelength (nm): 595  
 Dominant Wavelength (nm): 582  
 Purity: 52.93545  
 Rf: 75.2  
 Rg: 93.8

CRI (Ra):	71.9		
R1:	68.2	R9:	-33.7
R2:	82.2	R10:	59.0
R3:	93.9	R11:	62.4
R4:	67.6	R12:	48.5
R5:	67.2	R13:	70.8
R6:	75.3	R14:	96.6
R7:	77.6	R15:	60.0
R8:	43.1		



**Test Conditions**

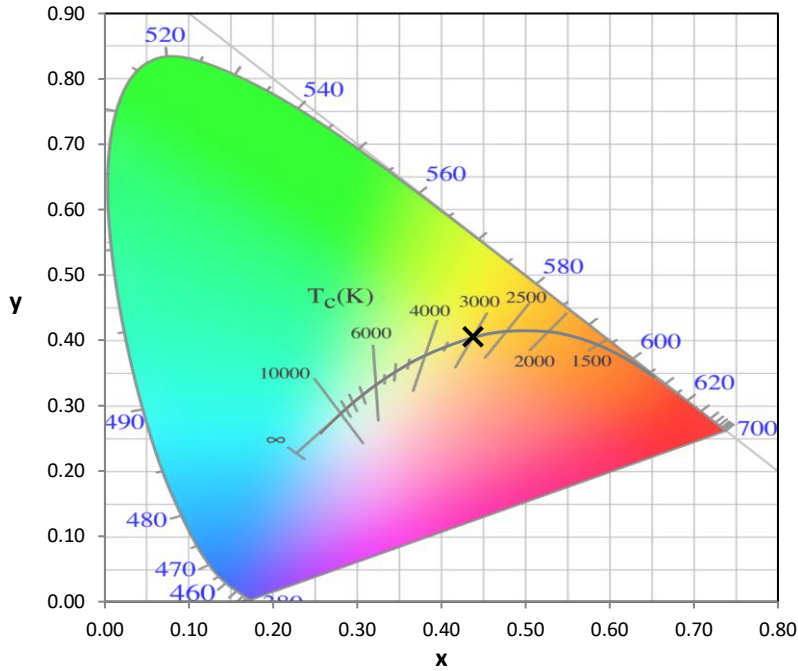
Stabilization Time: 0.794393M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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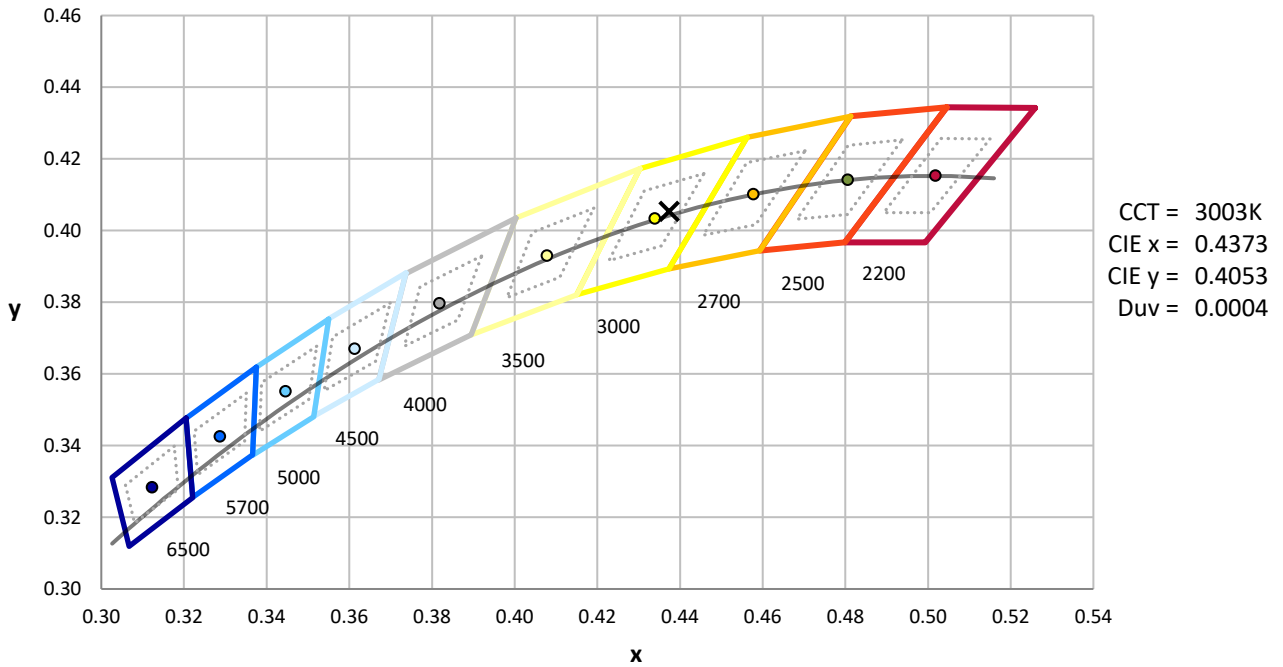
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



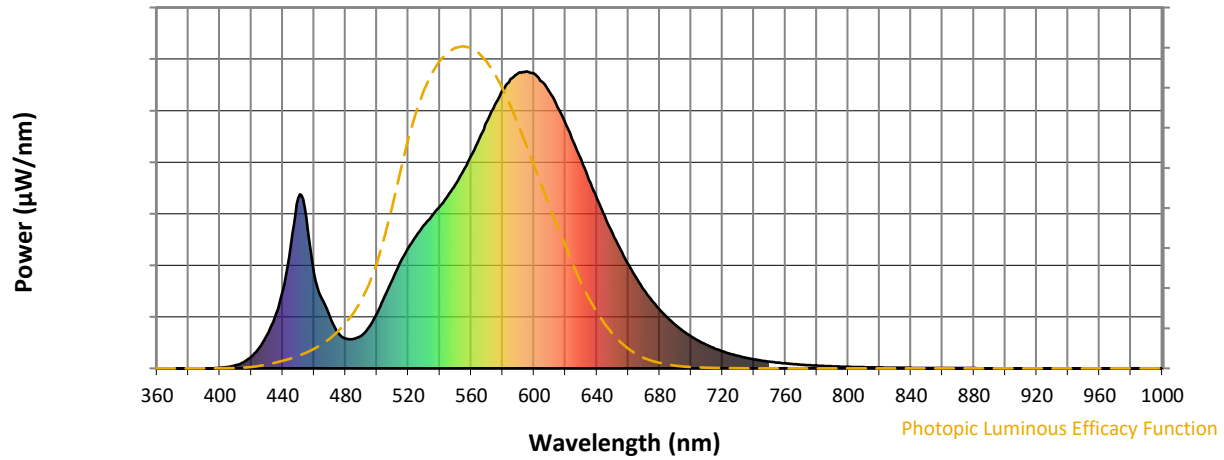
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

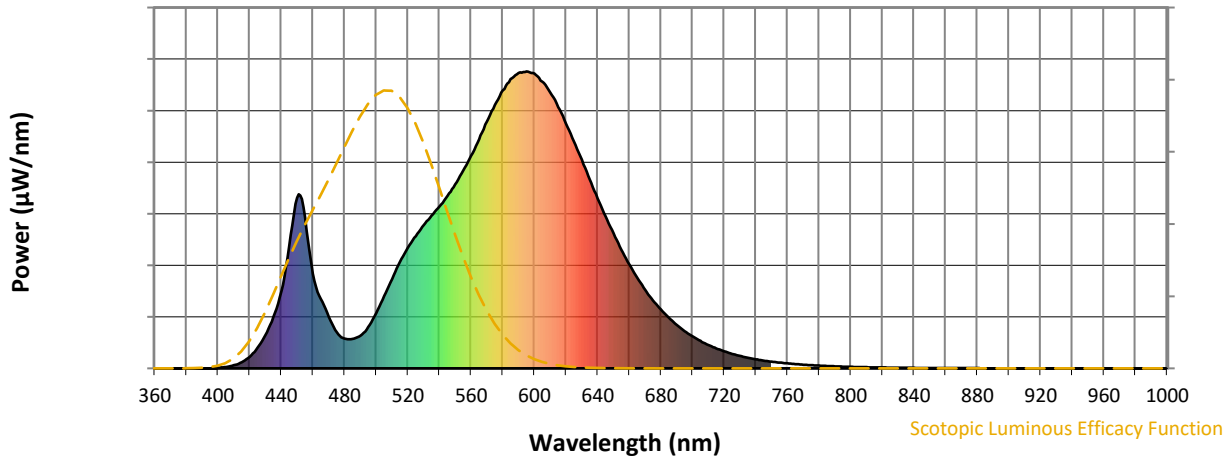


**Photopic Lumens: NR**

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



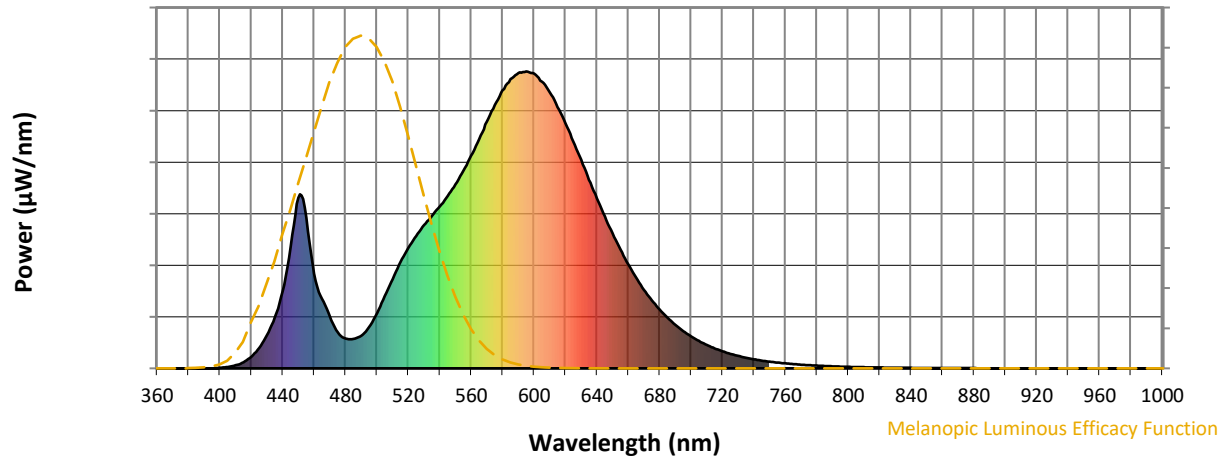
Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

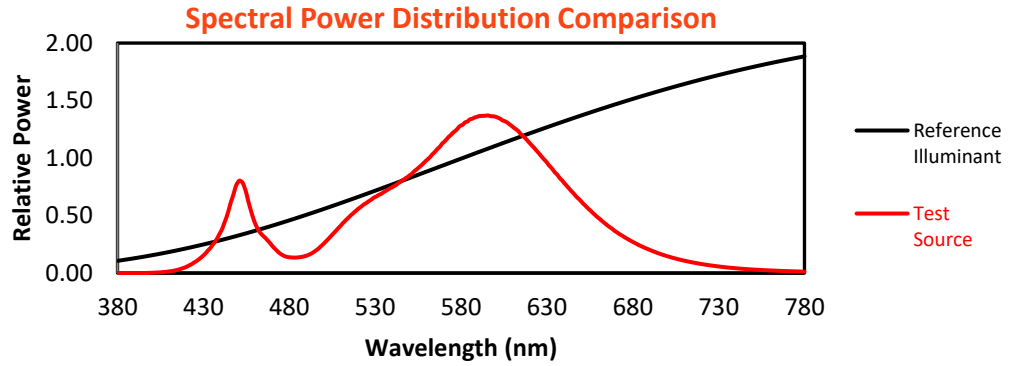
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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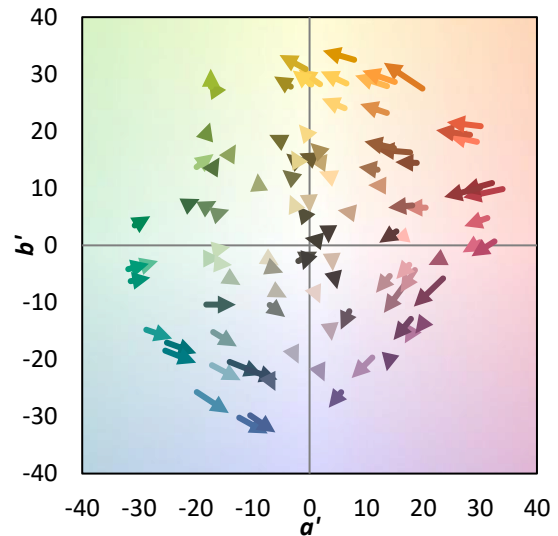
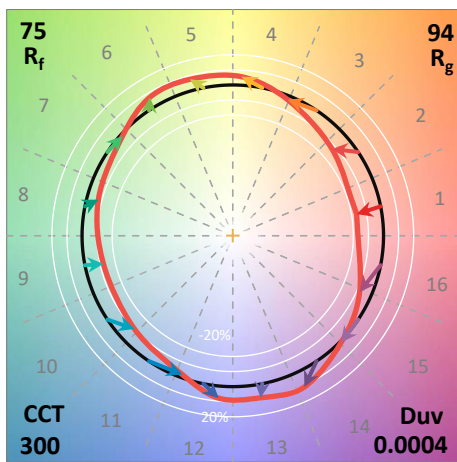
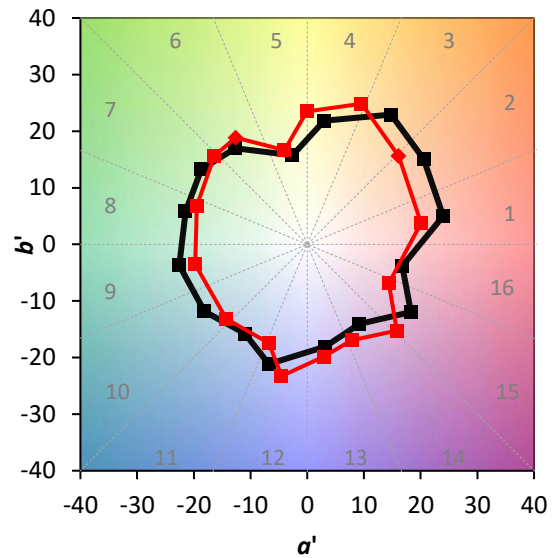
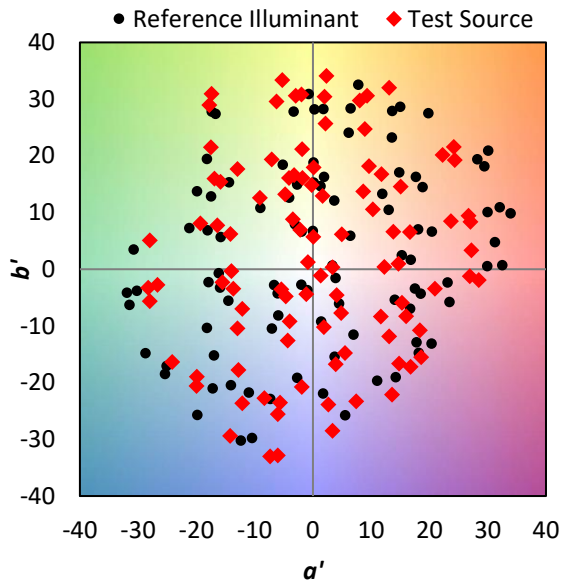
TM-30-18

**Summary**

$R_f = 75.2$   
 $R_g = 93.8$   
 CIE  $R_a = 71.9$   
 $R_9 = -33.7$



**Color Vector Graphics**



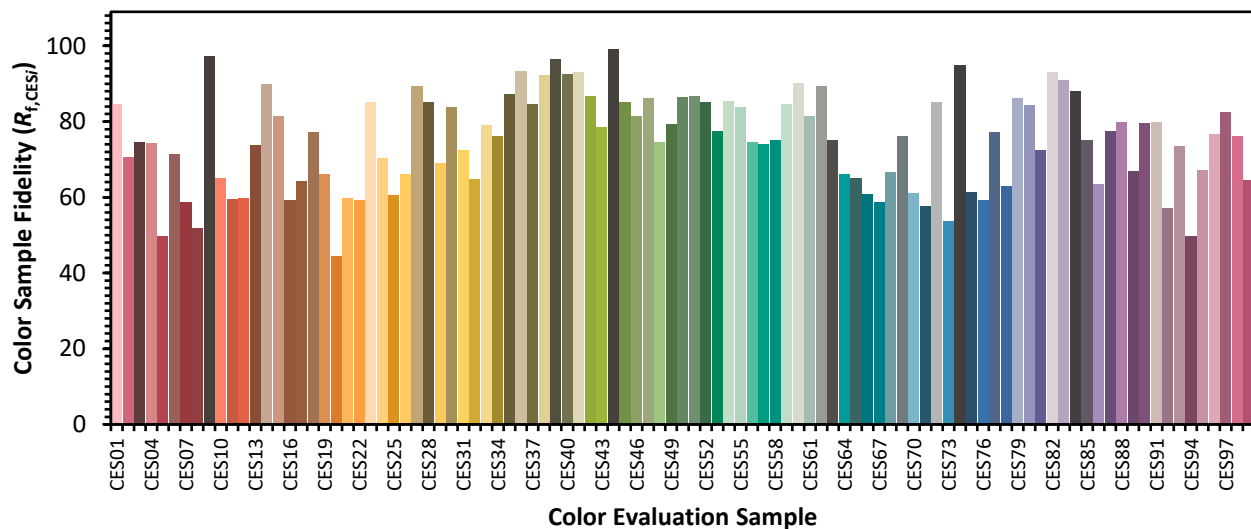


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

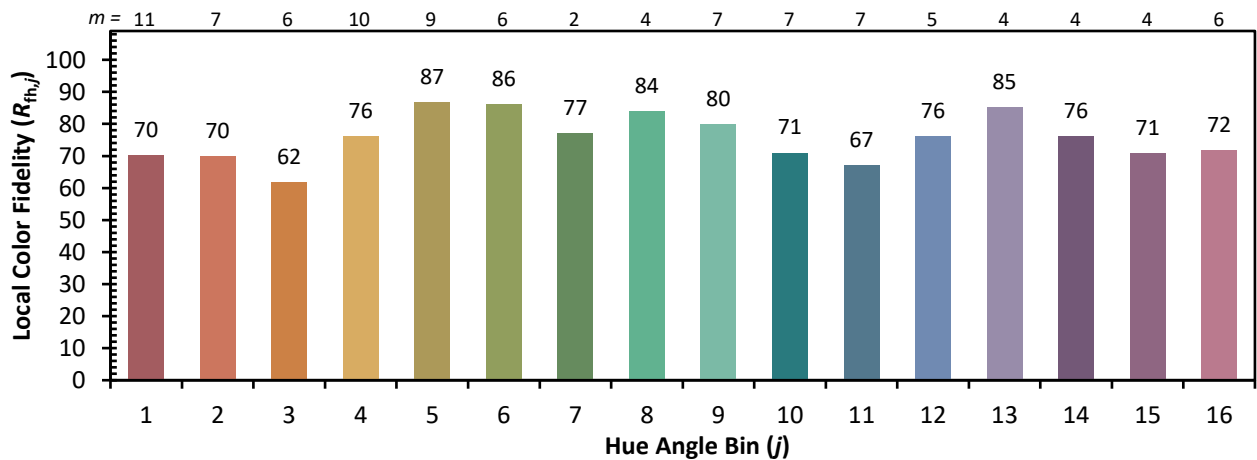
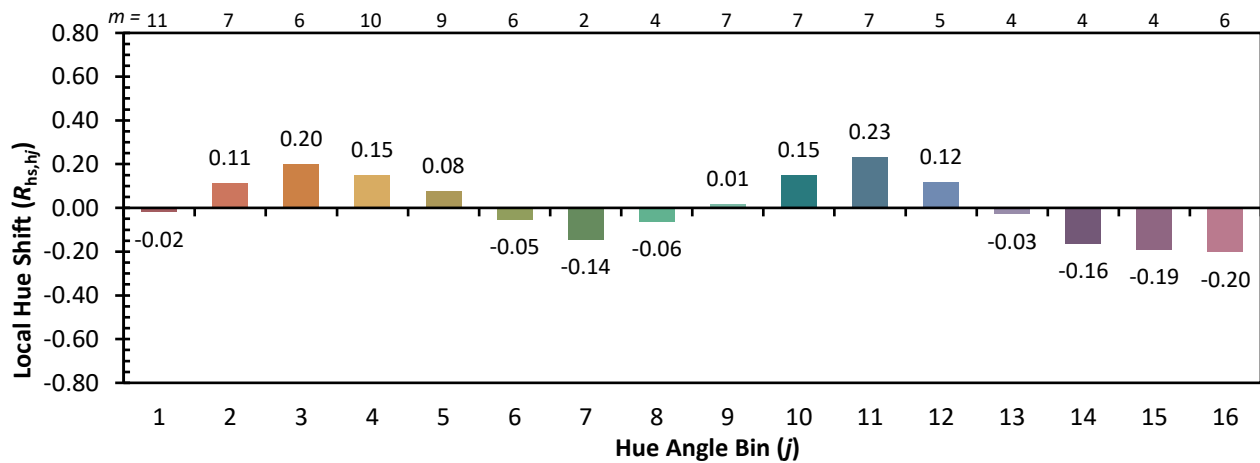
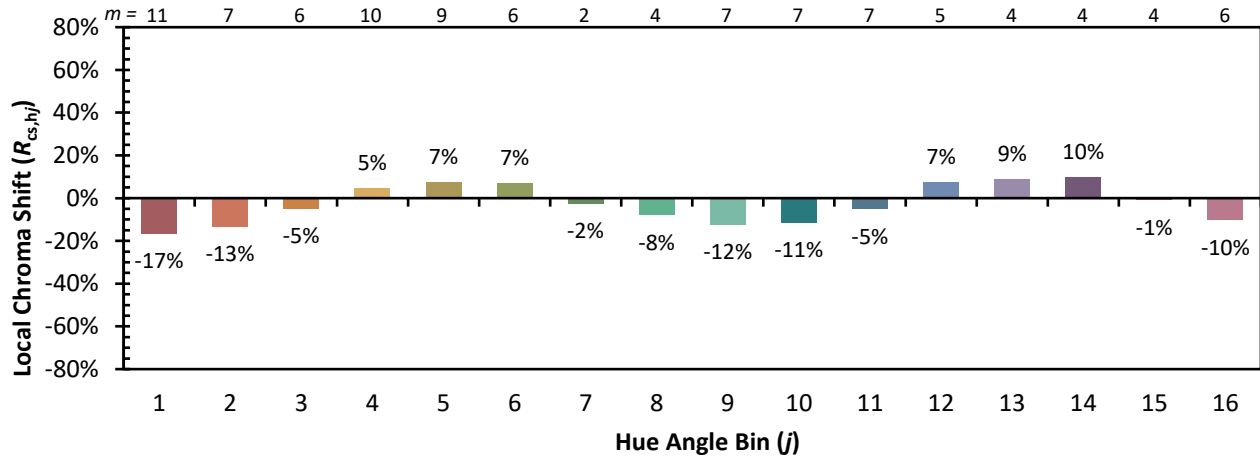
CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
CES25 = 73	CES50 = 86	CES75 = 61	



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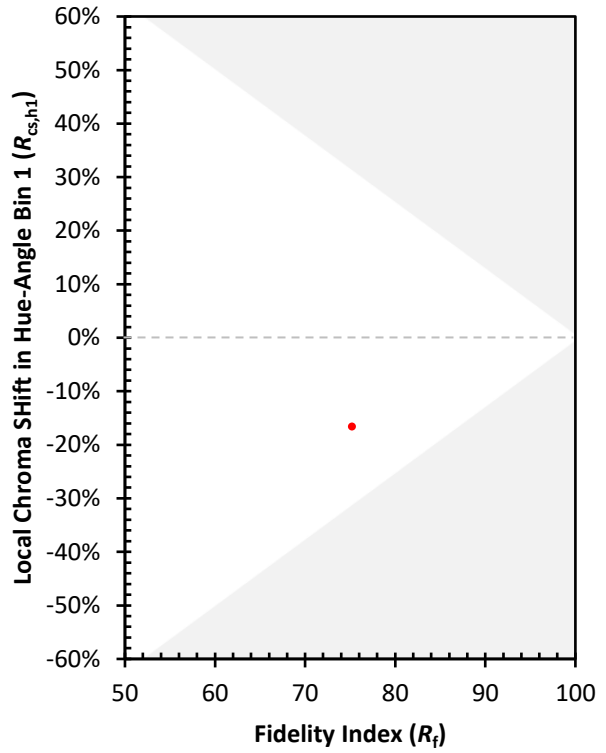
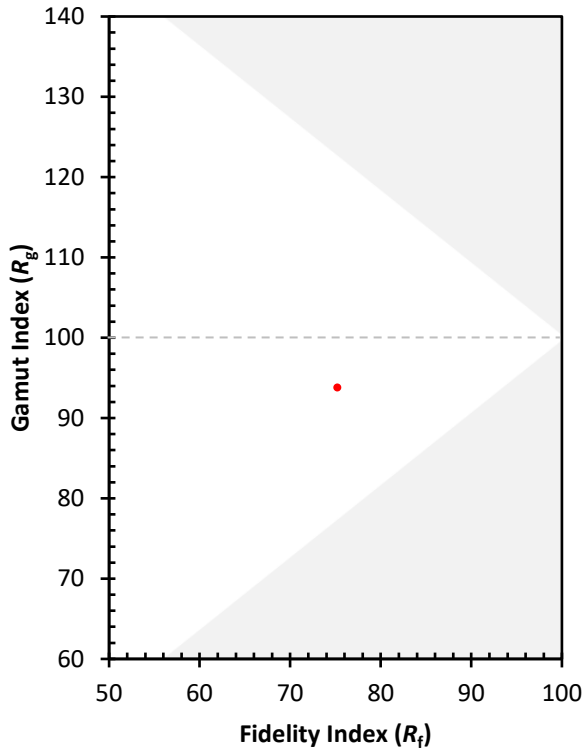
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)