

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: P856173

Luminaire Tested: **FFX-CLB-100-740-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856173
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-100-740-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

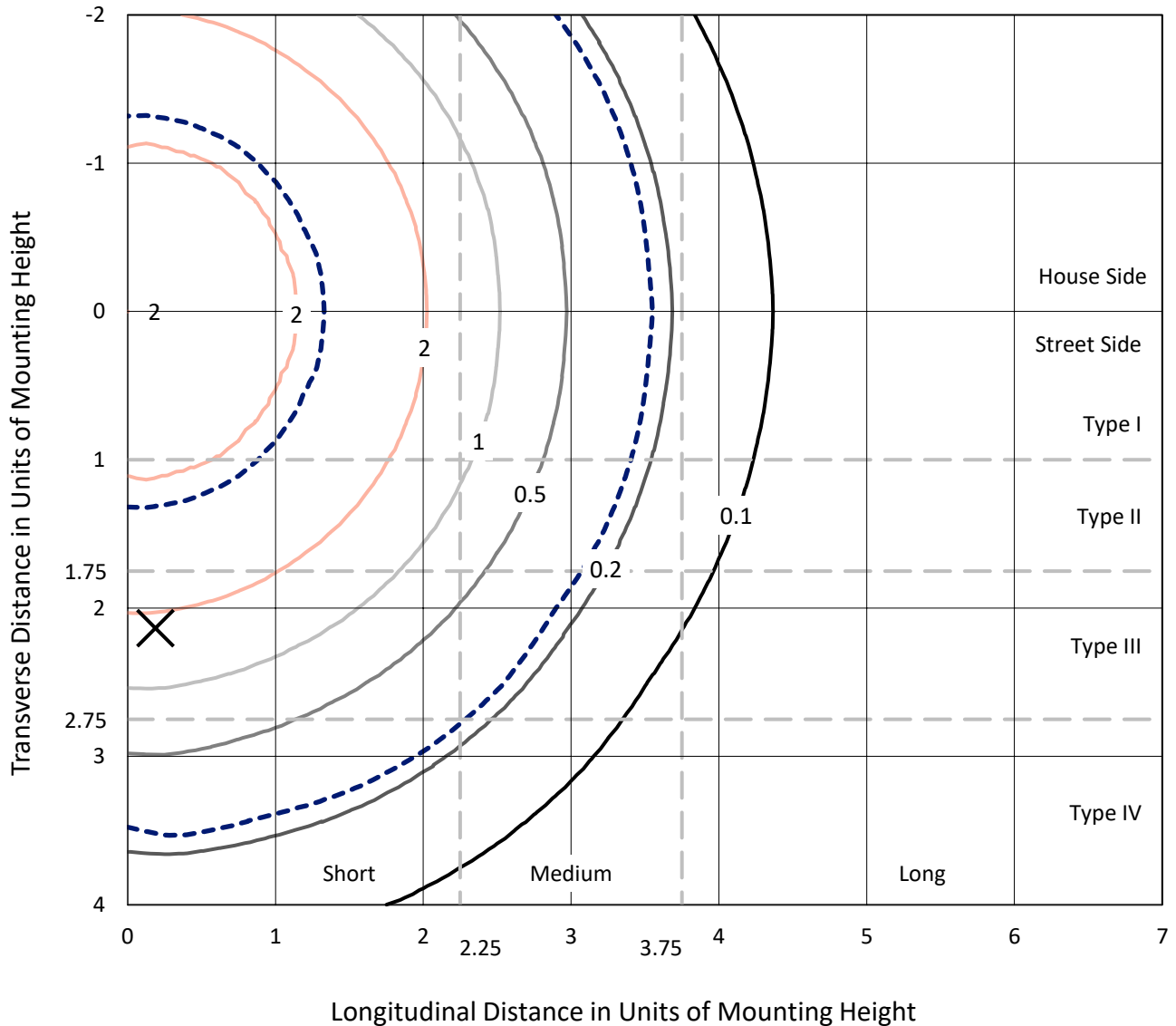
Lumens per Lamp: N/A
Luminaire Lumens: 15348.6 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U5 - G4

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

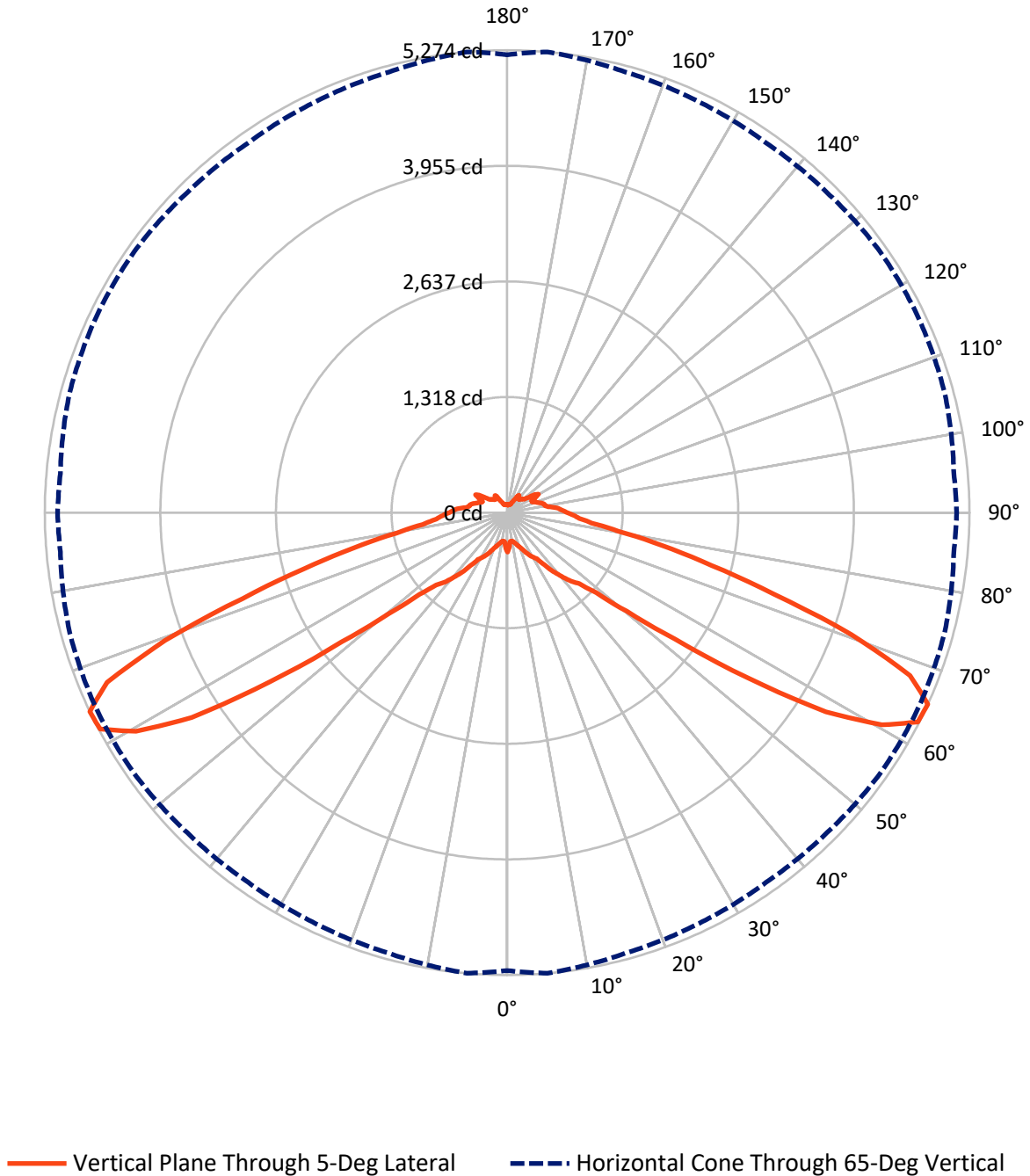
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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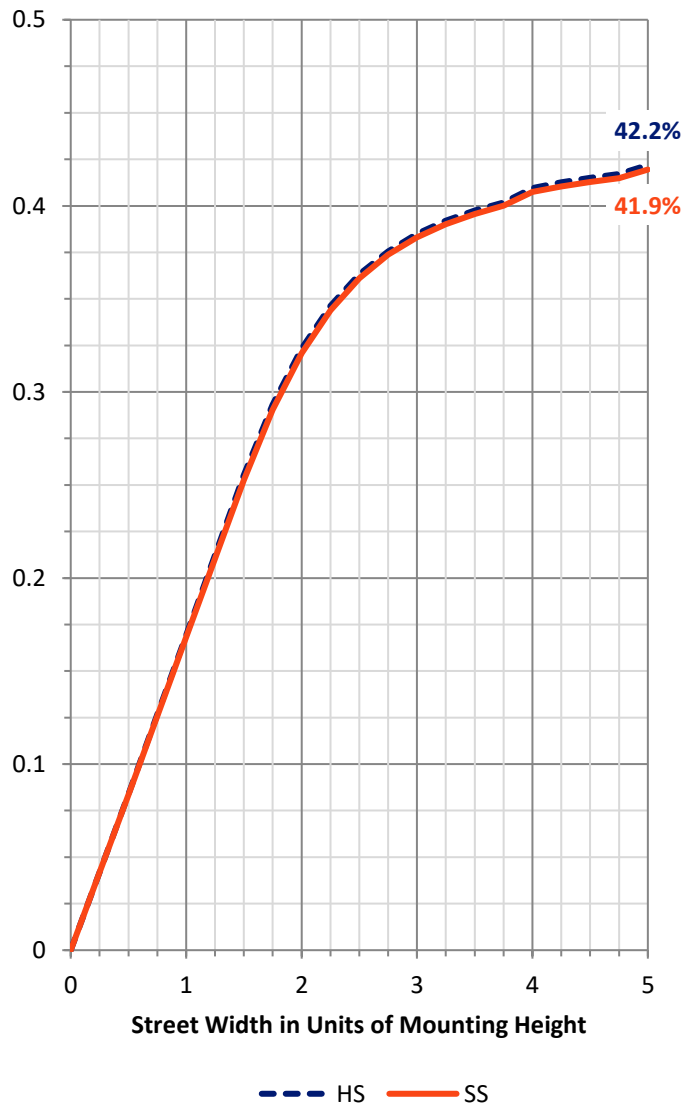
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6704.5	969.8	7674.3
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	6704.5	969.8	7674.3
	% Fixture	43.7	6.3	50.0
Total	Lumens	13409.0	1939.6	15348.6
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	0.2
10°-20°	107.7	0.7
20°-30°	233.6	1.5
30°-40°	473.2	3.1
40°-50°	954.0	6.2
50°-60°	3033.1	19.8
60°-70°	4891.5	31.9
70°-80°	2667.5	17.4
80°-90°	1015.7	6.6
90°-100°	609.5	4.0
100°-110°	388.7	2.5
110°-120°	295.7	1.9
120°-130°	250.2	1.6
130°-140°	163.0	1.1
140°-150°	136.6	0.9
150°-160°	61.2	0.4
160°-170°	26.0	0.2
170°-180°	8.7	0.1
0°-90°	13409.0	87.4
0°-180°	15348.6	100.0

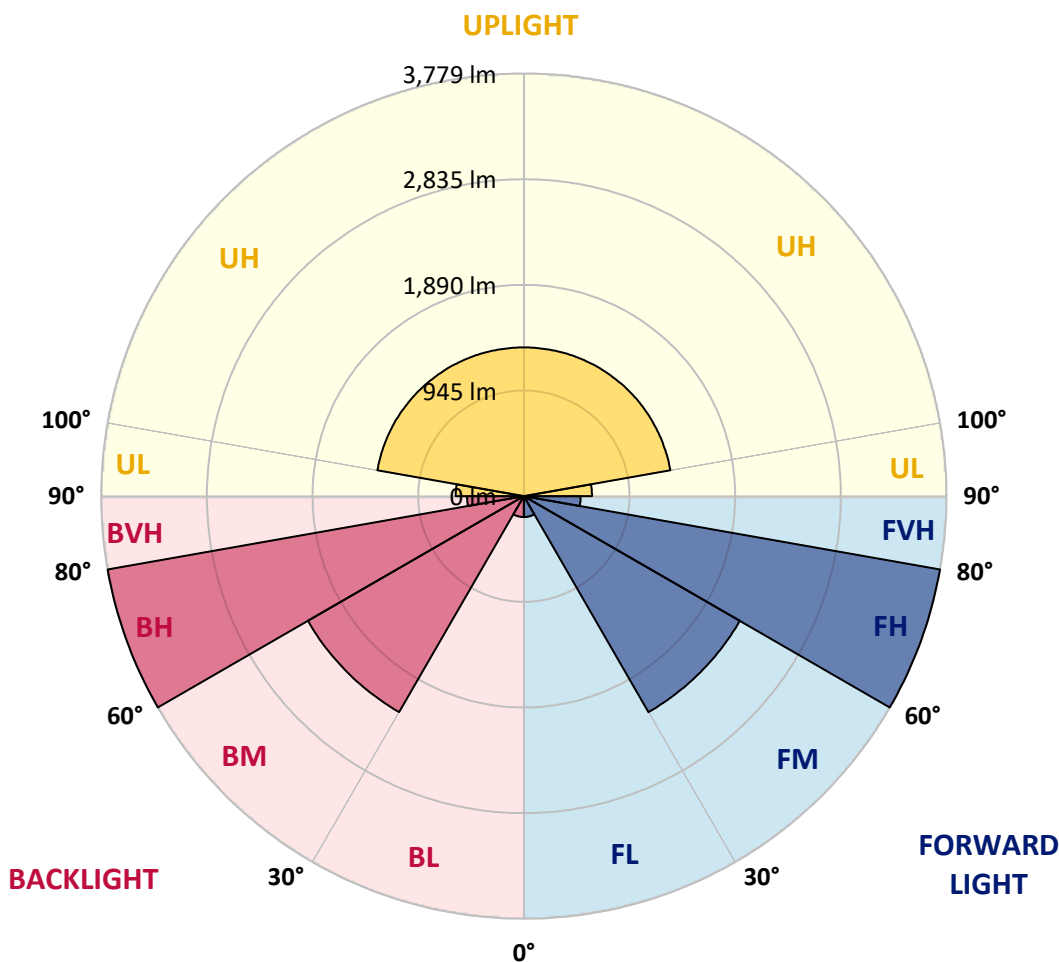


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.0	1.2			
FM (30°-60°)	2230.2	14.5			
FH (60°-80°)	3779.5	24.6			G2/5000
FVH (80°-90°)	507.9	3.3			G4/750
BL (0°-30°)	187.0	1.2	B1/500		
BM (30°-60°)	2230.2	14.5	B2/2500		
BH (60°-80°)	3779.5	24.6	B4/5000		G2/5000
BVH (80°-90°)	507.9	3.3			G4/750
UL (90°-100°)	609.5	4.0		U4/1000	
UH (100°-180°)	1330.1	8.7		U5	

BUG Rating: B4-U5-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	402.3	408.7	391.1	376.7	370.3	371.9	386.3	400.7	386.3	391.1	391.1
5°	333.4	335.0	335.0	331.8	336.6	327.0	315.8	315.8	327.0	339.8	339.8
7.5°	322.2	327.0	339.8	339.8	344.6	328.6	312.6	314.2	330.2	349.4	354.2
10°	331.8	331.8	328.6	331.8	343.0	341.4	323.8	315.8	327.0	346.2	352.6
12.5°	346.2	346.2	355.8	370.3	371.9	357.5	339.8	338.2	351.0	363.9	363.9
15°	367.1	368.7	373.5	371.9	376.7	371.9	367.1	370.3	378.3	378.3	378.3
17.5°	394.3	394.3	394.3	394.3	394.3	395.9	397.5	397.5	397.5	400.7	400.7
20°	424.8	424.8	423.2	421.6	421.6	423.2	424.8	424.8	424.8	428.0	428.0
22.5°	463.2	461.6	458.4	458.4	458.4	460.0	456.8	455.2	453.6	455.2	455.2
25°	508.1	508.1	504.9	500.1	500.1	498.5	493.7	492.1	490.5	493.7	492.1
27.5°	553.0	553.0	548.2	541.8	541.8	541.8	538.6	535.4	532.2	533.8	533.8
30°	594.7	591.5	589.9	585.1	583.5	585.1	581.9	581.9	575.4	573.8	577.1
32.5°	633.2	629.9	633.2	628.3	623.5	628.3	626.7	626.7	617.1	613.9	617.1
35°	738.9	730.9	737.3	726.1	719.7	721.3	724.5	730.9	721.3	716.5	718.1
37.5°	852.8	851.1	872.0	889.6	886.4	859.2	841.5	844.7	857.6	875.2	875.2
40°	958.5	955.3	960.1	953.7	953.7	950.5	948.9	956.9	931.3	924.9	920.1
42.5°	1069.1	1067.5	1040.3	1001.8	993.8	1025.9	1040.3	1051.5	1014.6	1001.8	992.2
45°	1178.1	1155.7	1150.9	1138.1	1125.2	1146.1	1144.5	1152.5	1134.9	1133.3	1125.2
47.5°	1407.4	1365.7	1351.3	1352.9	1325.6	1348.1	1357.7	1383.3	1346.5	1348.1	1346.5
50°	1820.9	1768.0	1792.1	1776.0	1747.2	1774.4	1772.8	1819.3	1758.4	1780.8	1771.2
52.5°	2466.9	2394.8	2409.2	2399.6	2370.7	2426.8	2439.6	2508.6	2391.6	2420.4	2412.4
55°	3401.4	3322.9	3354.9	3239.5	3209.0	3319.6	3361.3	3441.5	3286.0	3302.0	3294.0
57.5°	4292.6	4287.8	4342.3	4260.6	4233.3	4311.9	4273.4	4343.9	4260.6	4319.9	4300.6
60°	4900.1	4912.9	4967.4	4991.5	4943.4	4985.1	4892.1	4945.0	4919.4	5005.9	4997.9
62.5°	5215.9	5257.6	5225.5	5227.1	5174.2	5206.3	5188.6	5219.1	5212.7	5220.7	5212.7
65°	5222.3	5273.6	5203.1	5171.0	5148.6	5161.4	5191.9	5191.9	5172.6	5114.9	5127.7
67.5°	4880.9	4957.8	4879.3	4834.4	4847.2	4842.4	4863.3	4836.0	4824.8	4739.8	4741.4
70°	4041.0	4164.4	4049.0	4007.3	4041.0	4061.8	4060.2	4037.8	4020.1	3914.3	3944.8
72.5°	3068.0	3177.0	3074.4	3058.4	3090.4	3122.5	3095.2	3122.5	3093.6	3045.5	3060.0
75°	2316.2	2409.2	2409.2	2470.1	2479.7	2462.1	2386.7	2417.2	2436.4	2438.0	2452.5
77.5°	1703.9	1801.7	1853.0	1952.4	1947.5	1917.1	1825.7	1861.0	1897.9	1923.5	1941.1
80°	1211.8	1285.5	1360.9	1431.4	1441.0	1415.4	1359.3	1380.1	1402.6	1420.2	1429.8
82.5°	939.3	973.0	958.5	950.5	963.4	1000.2	1013.0	1025.9	993.8	973.0	981.0
85°	819.1	822.3	847.9	865.6	870.4	870.4	857.6	867.2	875.2	896.0	896.0
87.5°	747.0	750.2	814.3	831.9	838.3	830.3	814.3	820.7	827.1	839.9	839.9
90°	663.6	673.2	737.3	751.8	758.2	745.4	740.5	745.4	737.3	742.2	742.2
92.5°	617.1	617.1	647.6	641.2	639.6	641.2	642.8	647.6	639.6	636.4	636.4
95°	564.2	572.2	564.2	570.6	569.0	561.0	557.8	561.0	556.2	556.2	559.4
97.5°	472.9	474.5	460.0	464.8	464.8	458.4	450.4	453.6	448.8	452.0	453.6
100°	442.4	437.6	413.6	410.3	408.7	403.9	399.1	399.1	397.5	395.9	397.5
102.5°	432.8	432.8	400.7	394.3	391.1	383.1	376.7	376.7	376.7	376.7	378.3
105°	395.9	407.1	383.1	378.3	373.5	363.9	354.2	352.6	355.8	352.6	357.5
107.5°	359.1	368.7	355.8	355.8	351.0	341.4	335.0	333.4	335.0	331.8	335.0
110°	338.2	343.0	328.6	328.6	325.4	317.4	315.8	314.2	314.2	309.4	312.6



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CATALOG NUMBER: FFX-CLB-100-740-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	312.6	312.6	301.3	298.1	298.1	293.3	291.7	290.1	290.1	290.1	291.7
115°	311.0	309.4	291.7	280.5	278.9	277.3	278.9	277.3	277.3	275.7	275.7
117.5°	379.9	363.9	304.6	277.3	277.3	278.9	285.3	280.5	269.3	269.3	267.7
120°	410.3	413.6	351.0	322.2	315.8	307.8	306.2	303.0	291.7	290.1	296.5
122.5°	362.3	378.3	339.8	328.6	322.2	312.6	306.2	304.6	304.6	296.5	307.8
125°	282.1	296.5	277.3	275.7	274.1	275.7	272.5	272.5	275.7	270.9	272.5
127.5°	242.0	248.5	240.4	240.4	238.8	237.2	234.0	235.6	234.0	235.6	237.2
130°	232.4	237.2	229.2	226.0	226.0	227.6	227.6	227.6	222.8	219.6	221.2
132.5°	230.8	229.2	216.4	210.0	210.0	221.2	226.0	226.0	214.8	206.8	206.8
135°	208.4	210.0	208.4	200.4	202.0	205.2	210.0	211.6	200.4	195.6	197.2
137.5°	200.4	205.2	206.8	203.6	203.6	200.4	198.8	200.4	197.2	198.8	198.8
140°	200.4	202.0	206.8	210.0	206.8	203.6	203.6	203.6	205.2	210.0	213.2
142.5°	205.2	206.8	205.2	203.6	208.4	216.4	222.8	222.8	218.0	214.8	216.4
145°	235.6	240.4	240.4	235.6	238.8	235.6	235.6	232.4	232.4	232.4	234.0
147.5°	224.4	222.8	226.0	230.8	226.0	224.4	224.4	226.0	229.2	230.8	232.4
150°	176.3	171.5	174.7	184.3	182.7	182.7	182.7	184.3	185.9	185.9	187.5
152.5°	139.5	139.5	142.7	142.7	144.3	144.3	142.7	142.7	142.7	144.3	144.3
155°	125.0	123.4	126.6	131.4	128.2	128.2	128.2	128.2	128.2	128.2	129.8
157.5°	109.0	107.4	107.4	109.0	109.0	109.0	109.0	110.6	110.6	109.0	110.6
160°	99.4	99.4	97.8	97.8	97.8	99.4	101.0	101.0	99.4	97.8	97.8
162.5°	94.6	94.6	91.4	89.8	89.8	91.4	94.6	94.6	91.4	89.8	89.8
165°	94.6	93.0	88.2	85.0	85.0	88.2	93.0	93.0	88.2	85.0	85.0
167.5°	93.0	93.0	89.8	86.6	86.6	89.8	91.4	93.0	91.4	88.2	86.6
170°	89.8	89.8	91.4	91.4	89.8	89.8	89.8	89.8	91.4	91.4	91.4
172.5°	93.0	91.4	93.0	94.6	94.6	93.0	91.4	91.4	93.0	94.6	94.6
175°	94.6	94.6	93.0	93.0	93.0	91.4	91.4	91.4	93.0	94.6	93.0
177.5°	85.0	85.0	83.4	85.0	85.0	85.0	83.4	85.0	85.0	85.0	86.6
180°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1

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.

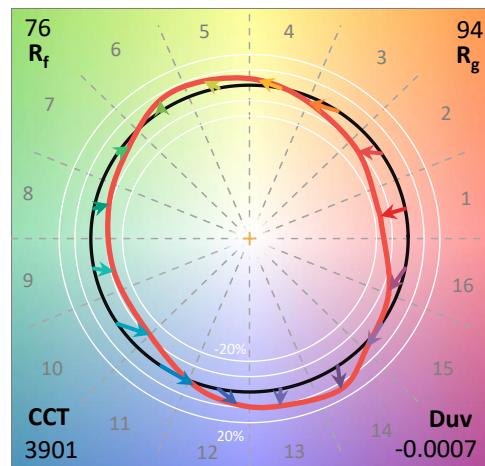
Test Information

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

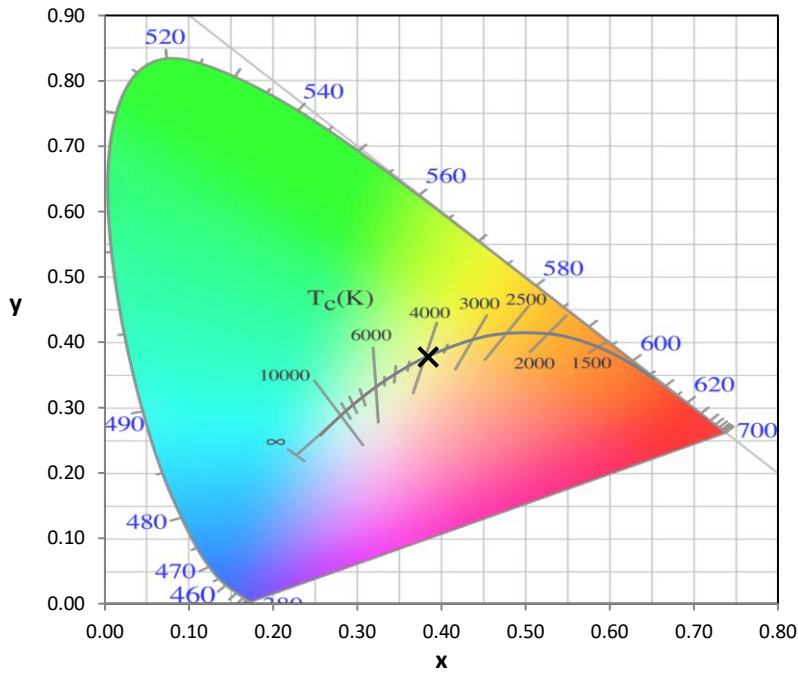
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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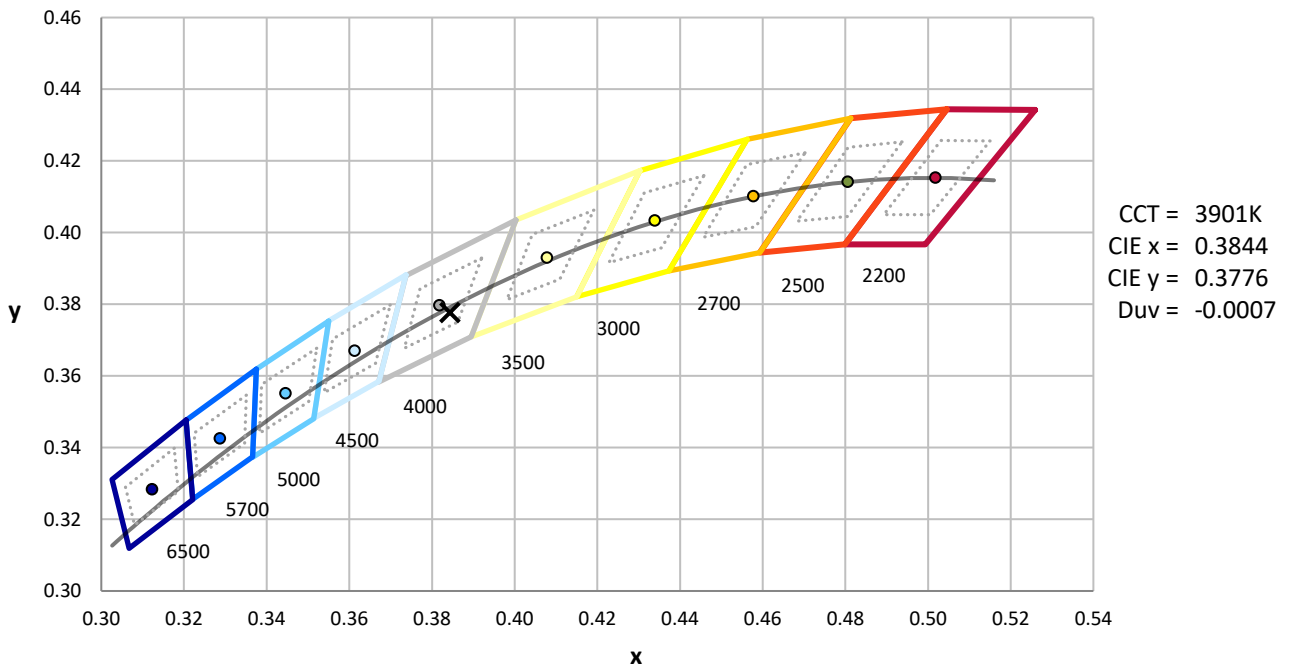
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



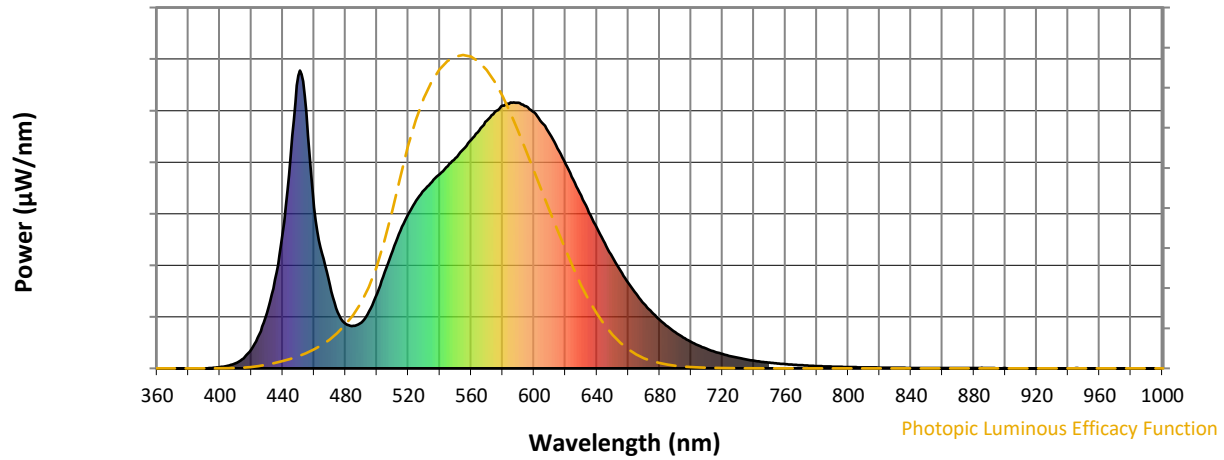
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

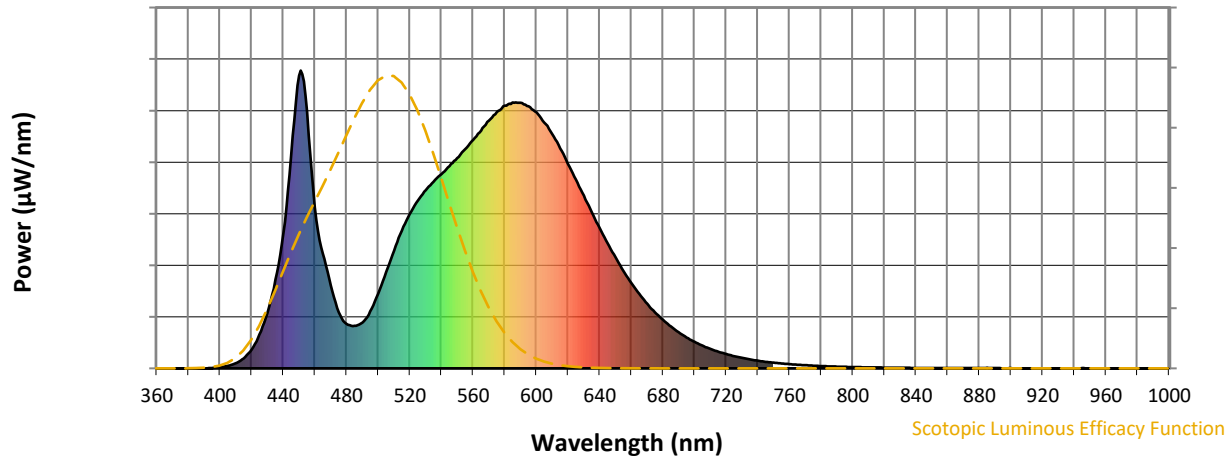


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength



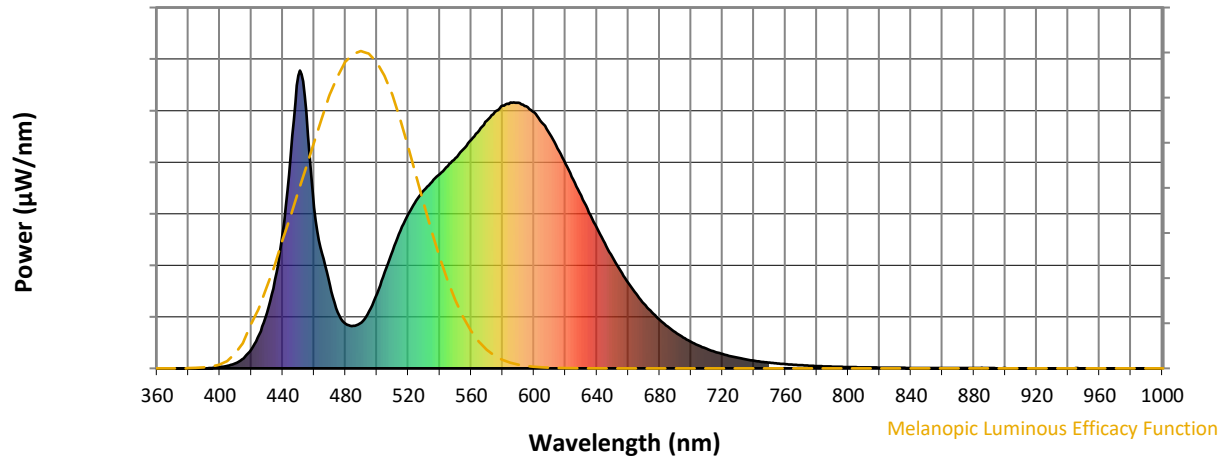
Scotopic Lumens: NR

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

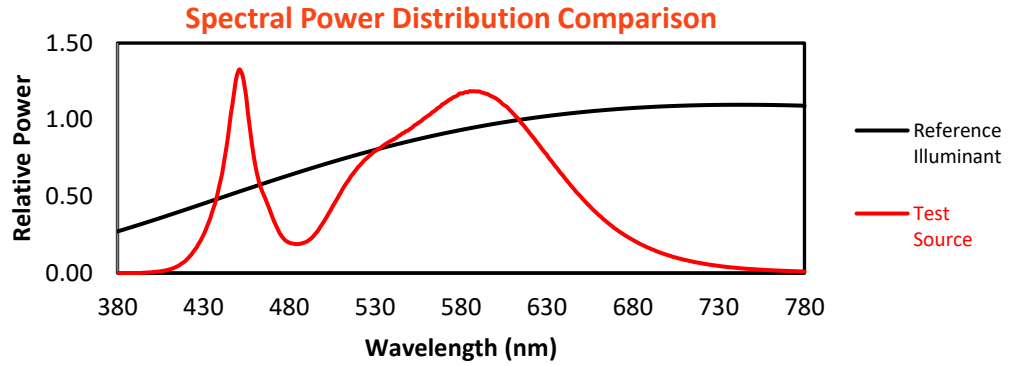
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	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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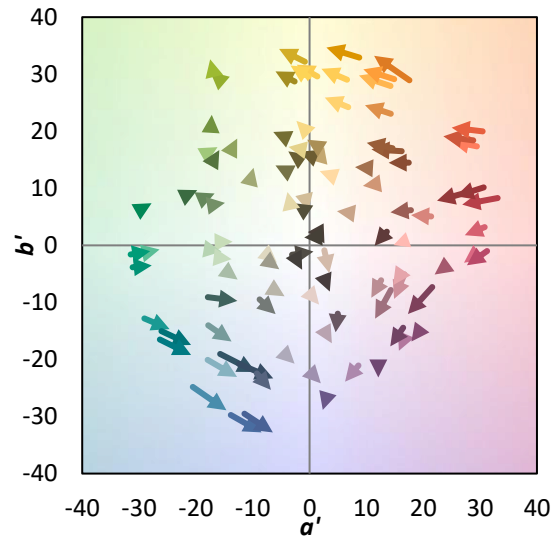
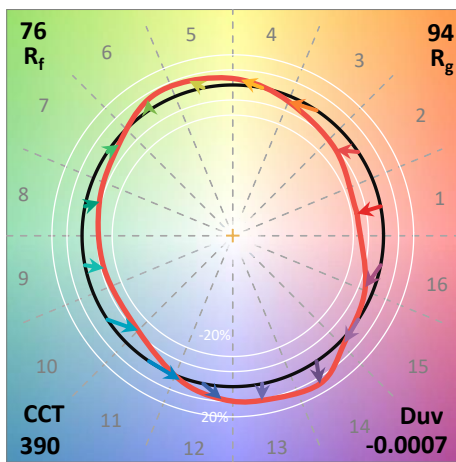
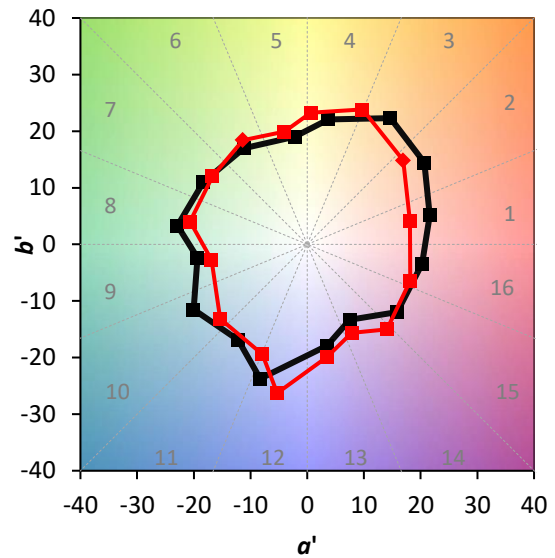
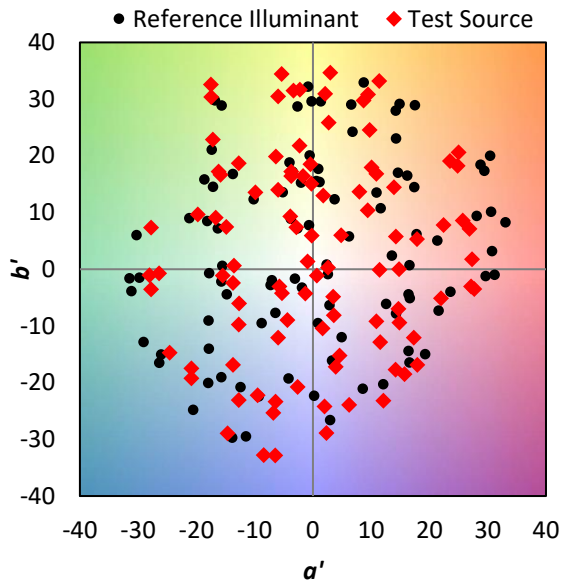
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Summary

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



Color Vector Graphics

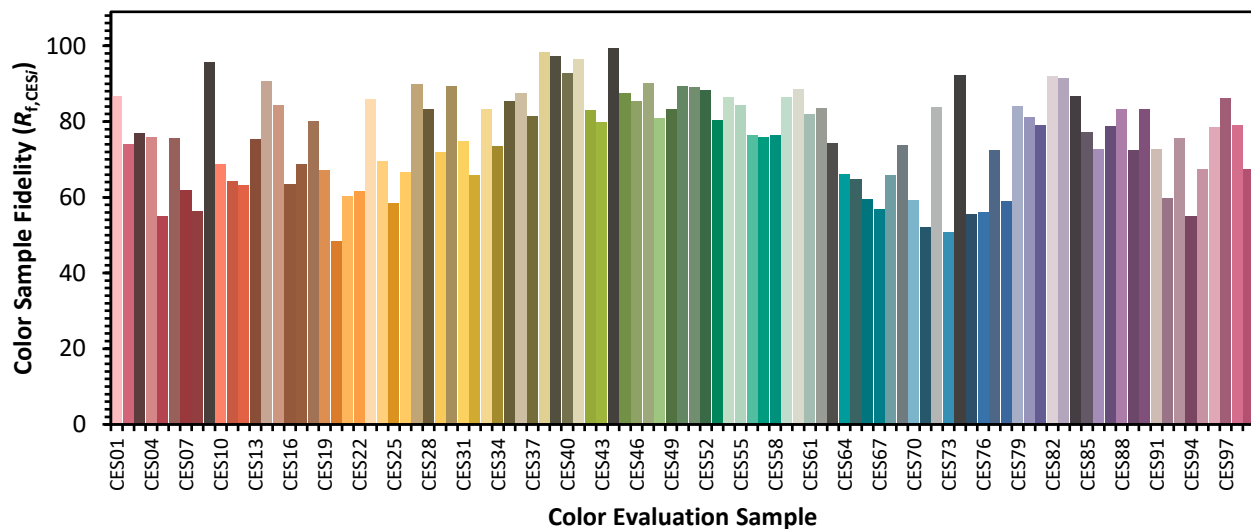


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Individual Sample Fidelity Index ($R_{f,i}$)

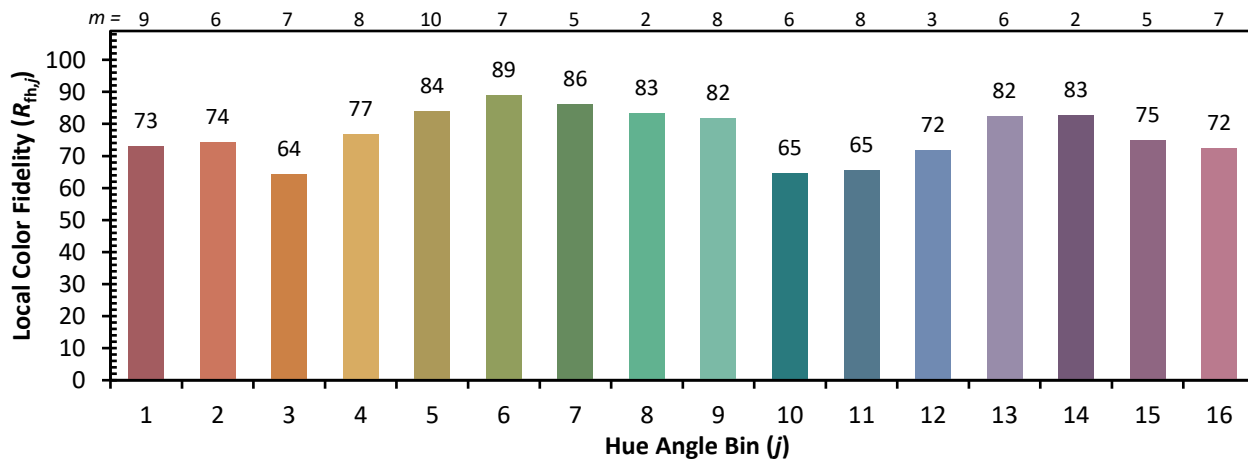
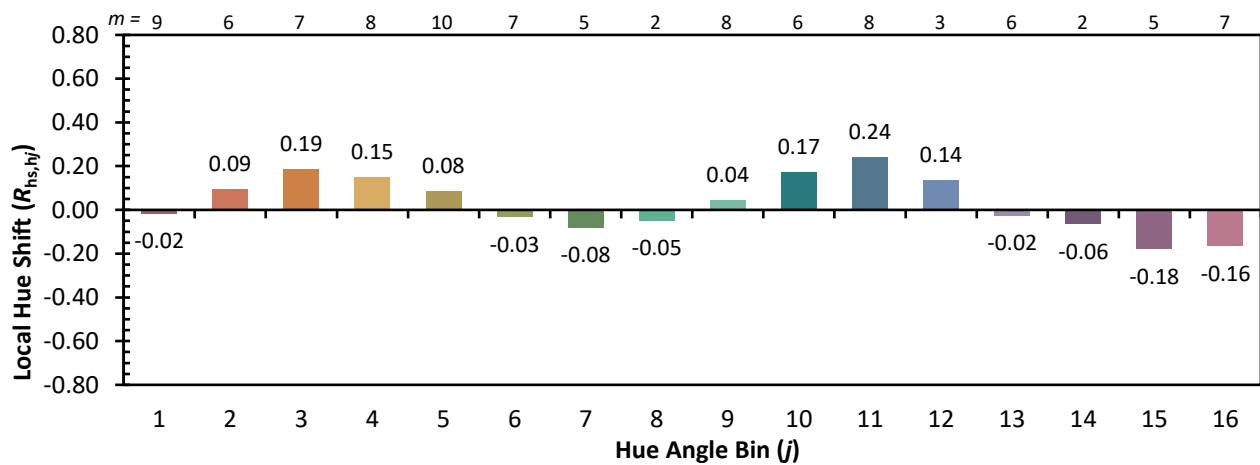
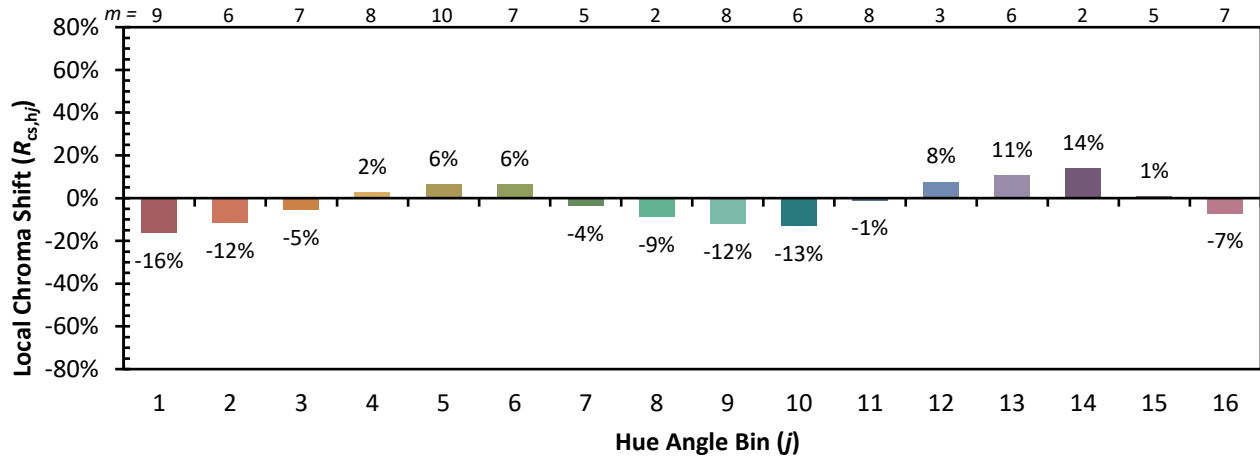
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57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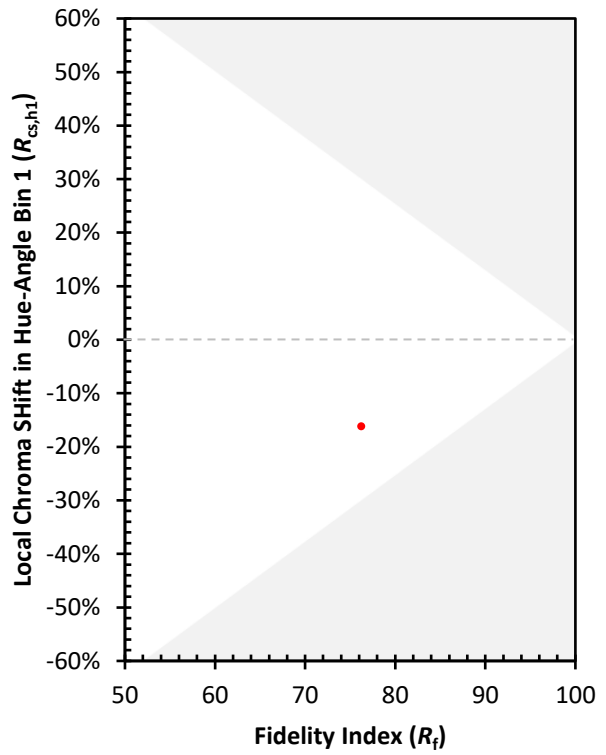
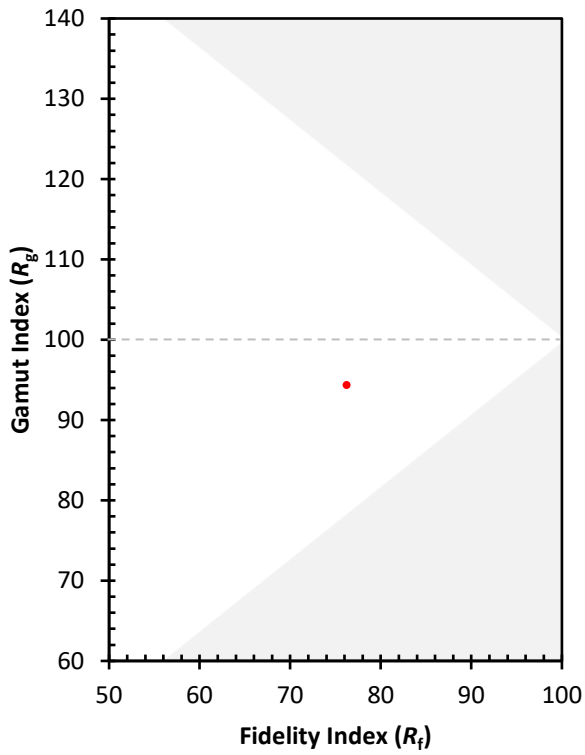
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)