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: P981123

Luminaire Tested: **FFX-CLB-50-740-U-FR-T5-UPLR**

Issue Date: 04/15/2025

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981123
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-740-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:	8051.1 lumens
Efficiency:	N/A
Efficacy:	159.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type V - Short
BUG Rating:	B3 - U4 - G3

Input Watts (W):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

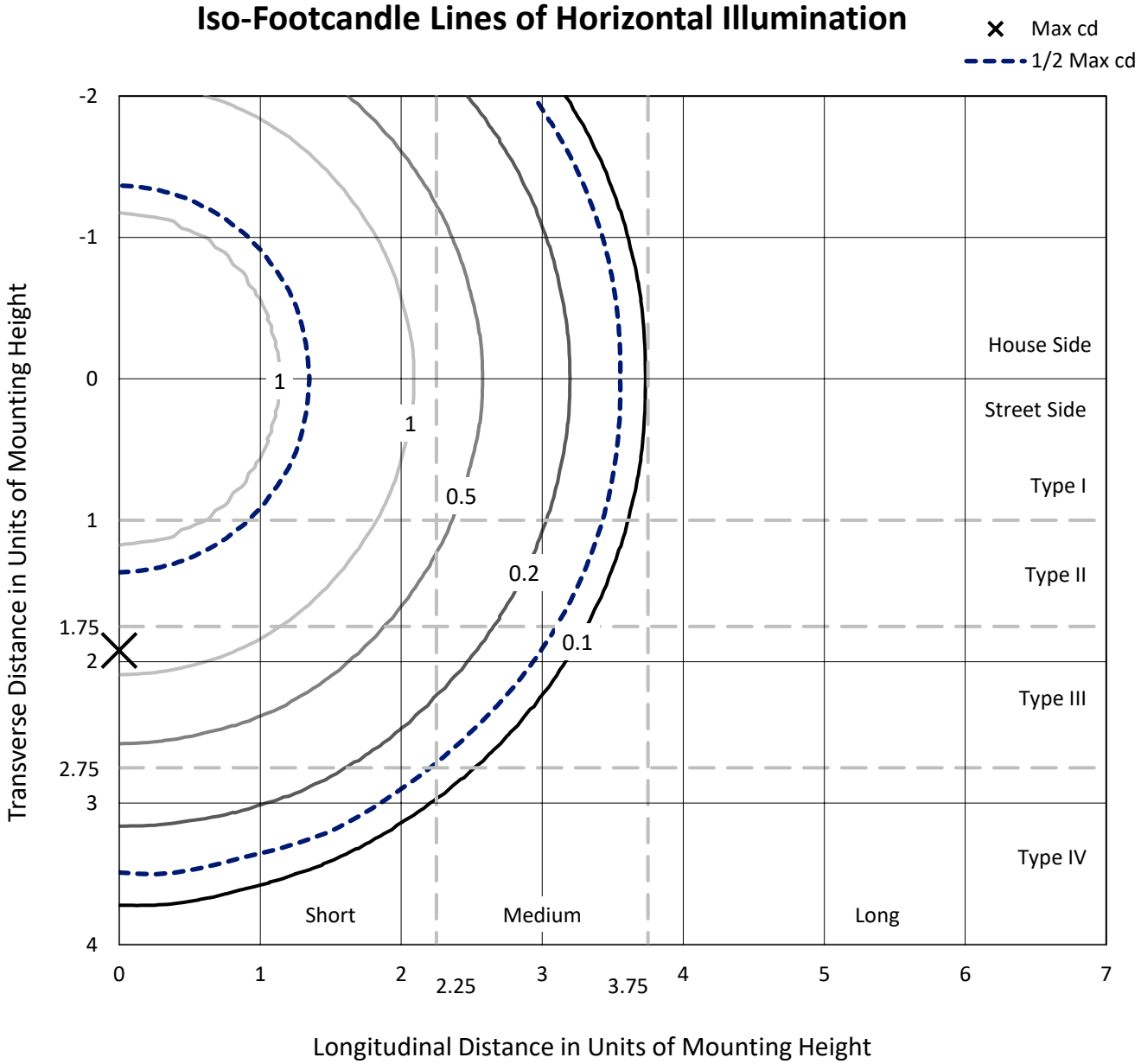


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REPORT NUMBER: P981123
CATALOG NUMBER: FFX-CLB-50-740-U-FR-T5-UPLR

Iso-Footcandle Lines of Horizontal Illumination



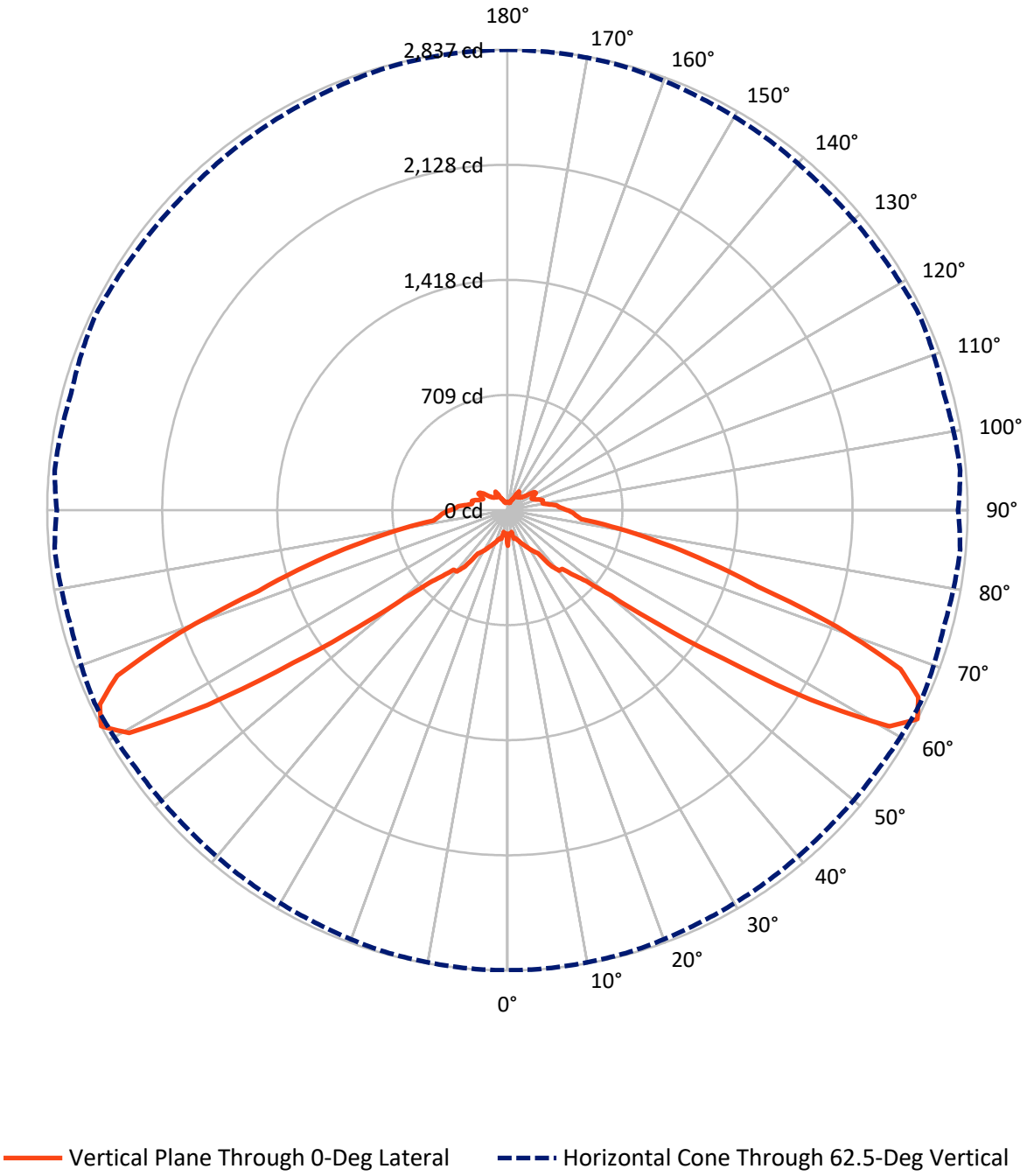
Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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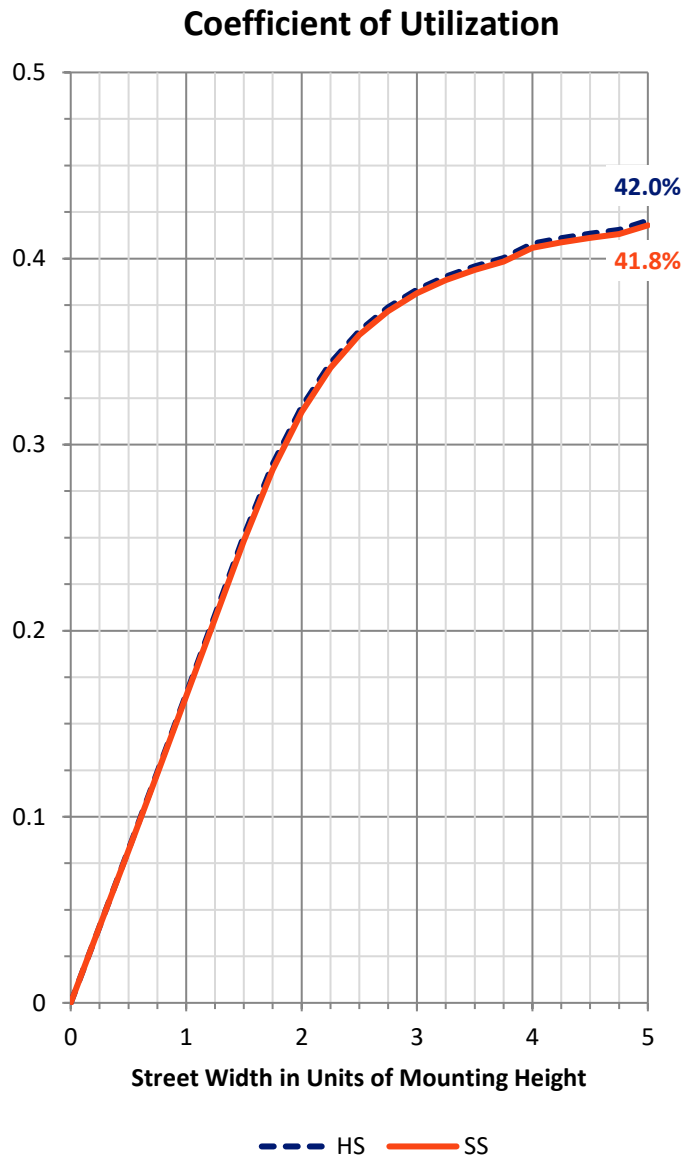
REPORT NUMBER: P981123
CATALOG NUMBER: FFX-CLB-50-740-U-FR-T5-UPLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3504.2	521.4	4025.6
	% Fixture	43.5	6.5	50.0
Street Side	Lumens	3504.2	521.4	4025.6
	% Fixture	43.5	6.5	50.0
Total	Lumens	7008.4	1042.7	8051.1
	% Fixture	87.0	13.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.2
10°-20°	51.0	0.6
20°-30°	111.9	1.4
30°-40°	229.9	2.9
40°-50°	474.8	5.9
50°-60°	1550.8	19.3
60°-70°	2614.7	32.5
70°-80°	1423.3	17.7
80°-90°	538.3	6.7
90°-100°	327.2	4.1
100°-110°	206.4	2.6
110°-120°	157.0	1.9
120°-130°	134.2	1.7
130°-140°	90.2	1.1
140°-150°	74.3	0.9
150°-160°	35.1	0.4
160°-170°	13.9	0.2
170°-180°	4.6	0.1
0°-90°	7008.4	87.0
0°-180°	8051.1	100.0



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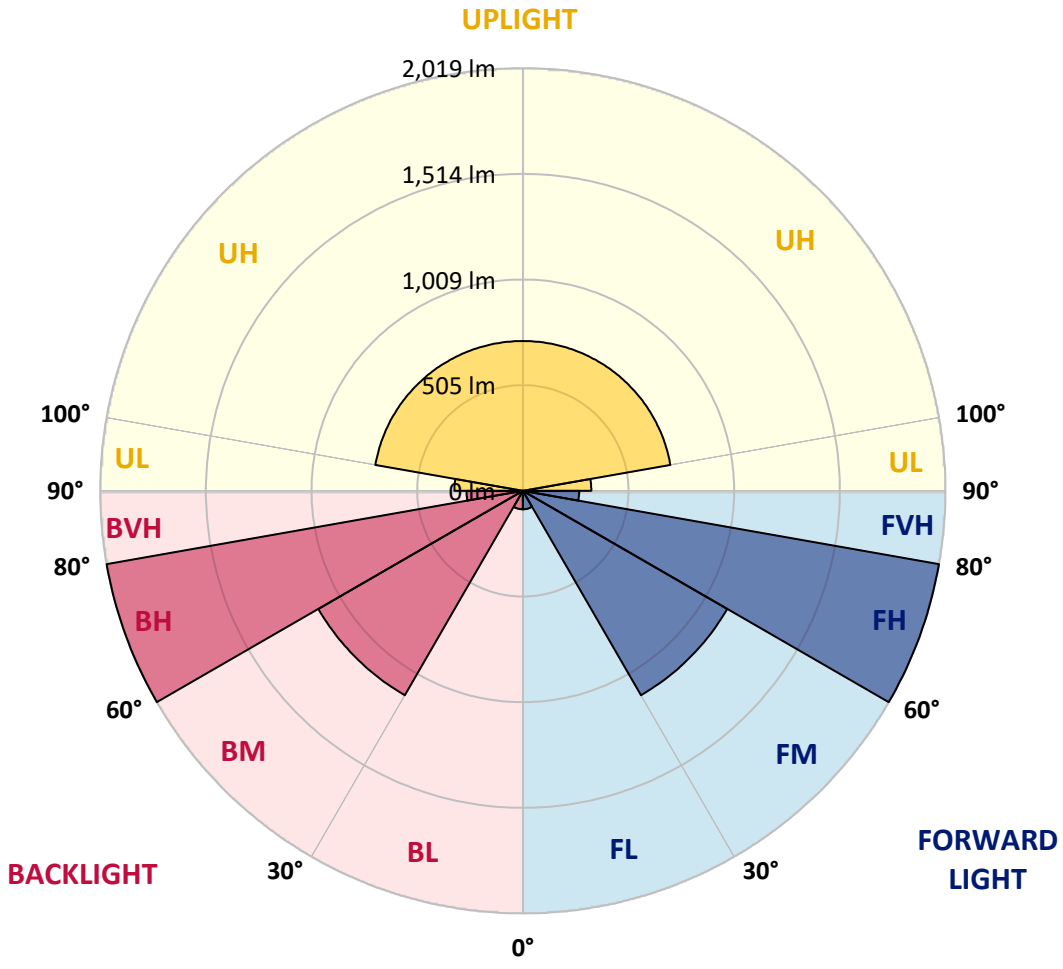
Scaled Data Report

REPORT NUMBER: P981123
CATALOG NUMBER: FFX-CLB-50-740-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°)	88.3	1.1			
FM	(30°-60°)	1127.8	14.0			
FH	(60°-80°)	2019.0	25.1			G2/5000
FVH	(80°-90°)	269.1	3.3			G3/500
BL	(0°-30°)	88.3	1.1	B0/110		
BM	(30°-60°)	1127.8	14.0	B2/2500		
BH	(60°-80°)	2019.0	25.1	B3/2500		G2/5000
BVH	(80°-90°)	269.1	3.3			G3/500
UL	(90°-100°)	327.2	4.1		U3/500	
UH	(100°-180°)	715.6	8.9		U4/1000	

BUG Rating: B3-U4-G3
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2
2.5°	146.0	151.8	184.2	210.7	210.2	191.6	167.7	169.9	184.2	196.9	200.1
5°	147.0	144.9	143.3	137.0	134.8	138.0	135.9	129.5	126.9	127.4	137.5
7.5°	152.9	150.2	134.8	123.2	121.6	128.5	143.3	143.3	127.4	115.2	114.7
10°	137.5	137.0	142.3	147.6	149.2	142.8	136.4	133.2	132.2	131.1	130.1
12.5°	181.5	179.4	168.3	161.4	160.3	163.5	168.3	166.7	158.7	154.5	154.5
15°	180.5	181.5	183.1	180.5	179.9	180.5	183.1	181.5	178.9	175.7	175.7
17.5°	190.6	191.1	191.6	192.7	191.6	190.0	190.0	189.5	190.0	191.1	191.1
20°	206.0	206.5	206.5	206.5	206.0	202.8	202.8	203.3	202.8	203.8	203.3
22.5°	222.9	222.4	222.4	222.4	220.8	218.2	217.6	218.2	216.6	216.6	216.6
25°	239.4	240.5	242.1	241.5	238.9	236.7	235.2	235.7	234.6	234.6	234.6
27.5°	260.1	259.0	262.2	261.2	258.5	258.5	256.9	256.9	255.3	254.8	254.3
30°	283.5	282.9	282.9	283.5	282.4	281.3	281.3	280.3	277.6	278.2	279.2
32.5°	306.3	305.8	304.7	305.2	304.7	303.1	305.8	305.8	304.7	305.2	308.4
35°	328.6	331.8	339.2	344.5	346.1	345.6	347.7	351.4	348.8	347.2	348.8
37.5°	434.7	432.6	424.7	419.9	420.9	423.6	417.8	413.5	410.9	410.3	413.0
40°	490.5	488.4	476.7	477.7	469.8	472.4	475.1	478.8	476.2	470.3	470.3
42.5°	495.3	495.8	512.2	537.2	529.8	513.8	499.0	506.4	517.6	524.5	527.1
45°	568.5	575.4	575.4	577.0	577.5	578.1	567.5	572.2	581.3	592.4	591.9
47.5°	652.9	657.2	659.8	663.0	661.4	663.0	676.8	673.1	683.2	682.1	681.0
50°	829.7	847.7	850.9	863.1	855.7	857.3	882.8	884.9	884.9	883.3	885.4
52.5°	1177.4	1193.3	1190.6	1163.6	1176.8	1200.7	1228.3	1208.7	1236.8	1223.0	1216.7
55°	1619.0	1619.5	1637.1	1674.8	1692.3	1673.7	1688.6	1651.9	1713.5	1720.9	1702.4
57.5°	2205.0	2216.2	2219.9	2229.5	2215.7	2213.5	2224.2	2201.3	2230.0	2201.9	2213.0
60°	2706.1	2691.8	2650.9	2593.1	2599.5	2622.3	2663.7	2649.3	2629.2	2589.9	2580.9
62.5°	2836.7	2834.6	2826.1	2804.9	2792.1	2782.1	2787.4	2809.1	2783.6	2801.2	2777.8
65°	2783.1	2781.5	2789.5	2808.1	2794.3	2760.3	2730.6	2766.1	2750.2	2808.6	2791.6
67.5°	2611.7	2604.8	2596.8	2631.3	2609.5	2560.7	2538.9	2542.1	2532.6	2591.0	2574.0
70°	2154.1	2142.9	2157.8	2212.5	2181.2	2137.6	2112.7	2123.3	2126.0	2163.1	2169.0
72.5°	1614.2	1628.0	1642.9	1679.5	1672.1	1648.2	1662.0	1677.9	1693.3	1707.1	1701.3
75°	1277.7	1294.2	1264.4	1282.5	1276.1	1294.7	1307.4	1314.9	1313.3	1298.9	1292.6
77.5°	971.4	984.7	977.8	972.5	977.2	995.8	1036.2	1031.4	1008.6	984.1	988.9
80°	698.6	721.9	724.6	722.5	732.5	735.2	769.2	760.1	741.6	741.0	746.3
82.5°	457.6	468.2	501.6	531.4	539.3	526.0	548.3	556.8	561.6	562.1	560.6
85°	423.6	435.3	427.3	443.2	447.0	450.7	454.4	457.6	462.9	467.7	469.8
87.5°	400.2	419.4	418.3	428.9	427.8	435.3	442.2	444.3	437.9	431.0	428.9
90°	357.8	373.2	379.0	385.4	388.6	387.5	393.3	393.3	389.1	385.9	384.8
92.5°	321.1	329.6	335.0	342.9	345.0	344.0	349.8	347.2	347.7	348.8	349.8
95°	303.6	307.3	305.8	308.9	304.7	301.0	303.1	299.9	298.3	295.7	295.7
97.5°	253.7	253.2	253.2	254.3	252.1	249.0	250.5	250.0	250.5	250.5	248.4
100°	222.4	221.9	218.7	218.2	217.6	216.6	215.0	215.5	215.5	215.0	215.5
102.5°	221.9	217.1	210.2	202.8	202.8	201.2	201.7	201.2	200.7	197.5	195.9
105°	226.1	218.7	207.0	192.2	190.0	190.6	192.2	191.6	189.5	186.3	184.2
107.5°	209.1	200.7	193.8	184.2	181.5	181.0	182.1	182.6	180.5	176.2	173.0
110°	185.3	182.1	178.9	175.2	172.5	172.0	172.0	172.0	169.9	168.3	164.6

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CATALOG NUMBER: FFX-CLB-50-740-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	*174.6*	170.9	167.2	164.0	162.4	161.9	160.8	159.8	158.2	156.6	154.5
115°	*164.6*	164.6	161.9	150.2	147.6	147.0	146.5	146.5	146.5	146.5	146.0
117.5°	*178.4*	176.8	166.7	151.8	147.0	144.4	142.3	143.3	142.8	146.5	145.4
120°	*204.4*	192.7	170.9	160.3	156.1	153.9	154.5	155.0	154.5	153.4	151.3
122.5°	*202.2*	189.5	176.2	168.3	163.5	163.0	165.1	164.6	159.8	152.3	146.5
125°	*177.8*	170.9	163.0	155.5	152.9	151.8	152.9	151.3	148.1	144.4	138.5
127.5°	*138.0*	137.0	132.7	129.5	130.1	131.6	134.3	134.3	132.7	130.6	127.4
130°	*123.7*	122.6	123.2	124.2	123.7	123.7	121.0	118.9	122.6	125.8	124.2
132.5°	*114.1*	114.7	120.0	127.9	126.3	122.1	115.7	114.7	120.5	126.9	126.3
135°	*109.9*	110.4	114.7	122.6	120.5	115.2	112.5	113.1	116.3	119.4	118.9
137.5°	*109.9*	109.9	108.8	111.5	111.5	111.5	110.9	112.5	114.7	114.7	113.1
140°	*108.3*	109.3	106.2	106.7	108.3	109.9	110.4	112.5	113.1	112.5	110.4
142.5°	*99.3*	100.3	103.5	107.8	108.8	109.9	113.1	112.5	112.5	112.5	111.5
145°	*122.1*	122.1	124.7	128.5	126.9	124.7	125.8	126.3	127.4	128.5	127.4
147.5°	*134.8*	134.8	131.6	130.6	127.9	127.9	131.1	130.6	130.1	129.0	129.5
150°	*111.5*	110.9	108.3	107.2	107.2	106.2	107.8	107.8	106.2	105.1	105.6
152.5°	*79.6*	80.2	79.1	80.2	81.7	83.3	84.9	86.0	86.0	86.0	84.9
155°	*72.2*	71.1	70.6	71.7	72.2	71.7	70.6	70.6	70.6	69.5	69.0
157.5°	*62.6*	62.1	61.6	62.1	62.1	62.6	63.2	63.7	63.7	62.6	62.1
160°	*54.1*	54.1	54.1	54.7	54.7	54.1	53.6	54.1	55.2	55.2	55.2
162.5°	*48.8*	49.4	49.9	51.0	51.0	49.9	48.8	48.8	49.9	51.0	51.0
165°	*45.1*	45.1	46.2	48.3	48.8	47.2	45.7	45.7	47.2	49.4	49.9
167.5°	*45.1*	45.7	47.2	48.8	48.3	46.7	45.1	45.1	46.7	48.3	48.3
170°	*48.3*	48.3	47.8	47.2	46.7	46.7	46.7	47.2	47.8	47.2	47.2
172.5°	*51.0*	50.4	48.8	47.2	46.7	48.3	49.4	48.8	48.3	47.2	47.2
175°	*52.0*	51.5	50.4	49.4	49.4	50.4	51.0	49.9	48.8	48.3	47.8
177.5°	*46.7*	46.7	46.2	46.2	46.7	46.2	46.2	46.2	45.7	45.1	44.6
180°	*40.3*	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-1

Test Date: 03/20/2025

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

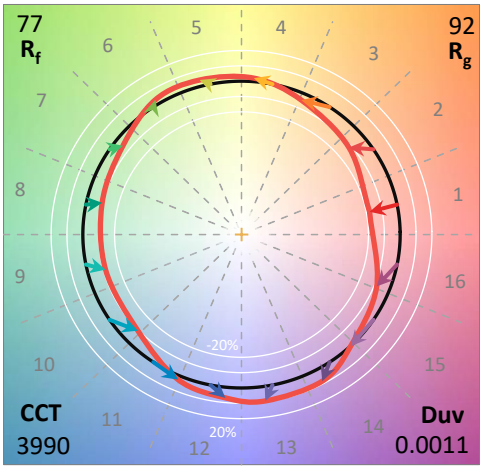
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
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):	3990	CRI (Ra):	73.9		
CIE u':	0.2247	R1:	69.6	R9:	-36.4
CIE v':	0.5031	R2:	83.0	R10:	60.9
Duv:	0.0011	R3:	93.1	R11:	66.8
CIE x:	0.3816	R4:	70.6	R12:	52.5
CIE y:	0.3798	R5:	70.6	R13:	72.5
CIE z:	0.2386	R6:	76.4	R14:	96.4
Peak Wavelength (nm):	450	R7:	79.8	R15:	61.3
Dominant Wavelength (nm):	578	R8:	48.1		
Purity:	28.50862				

Rf:	77.5
Rg:	91.9



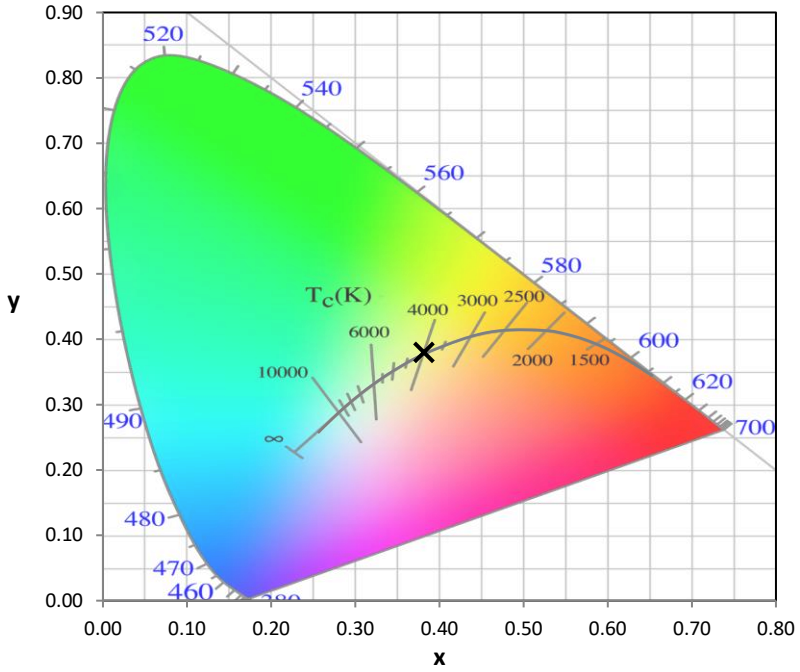
Test Conditions

Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

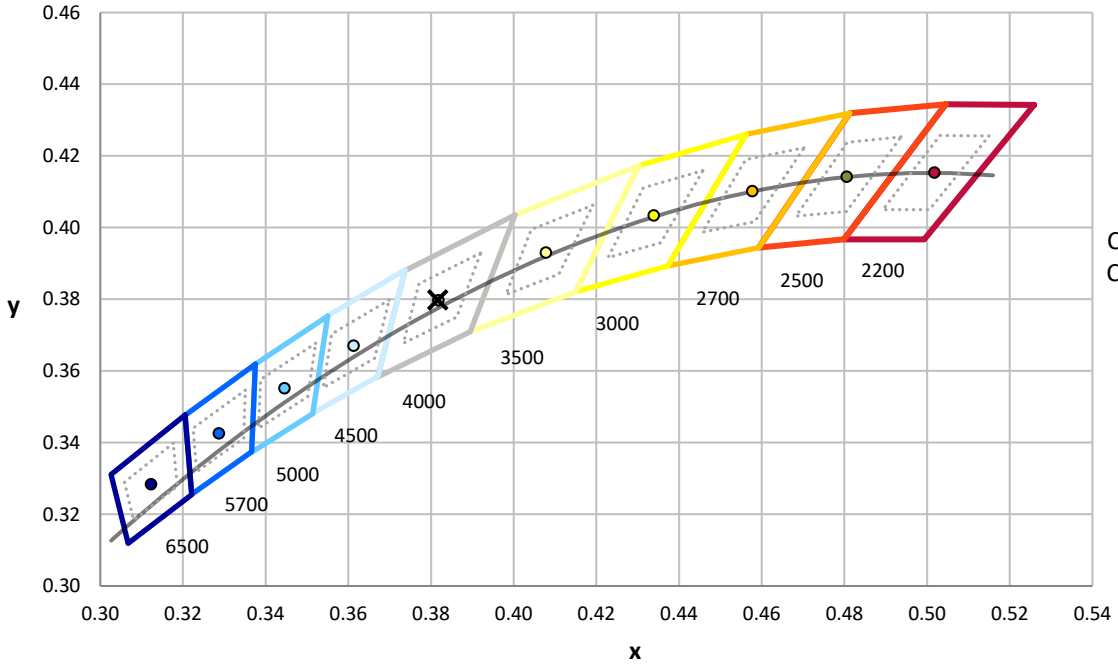
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-1

CIE 1931 Chromaticity Diagram



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

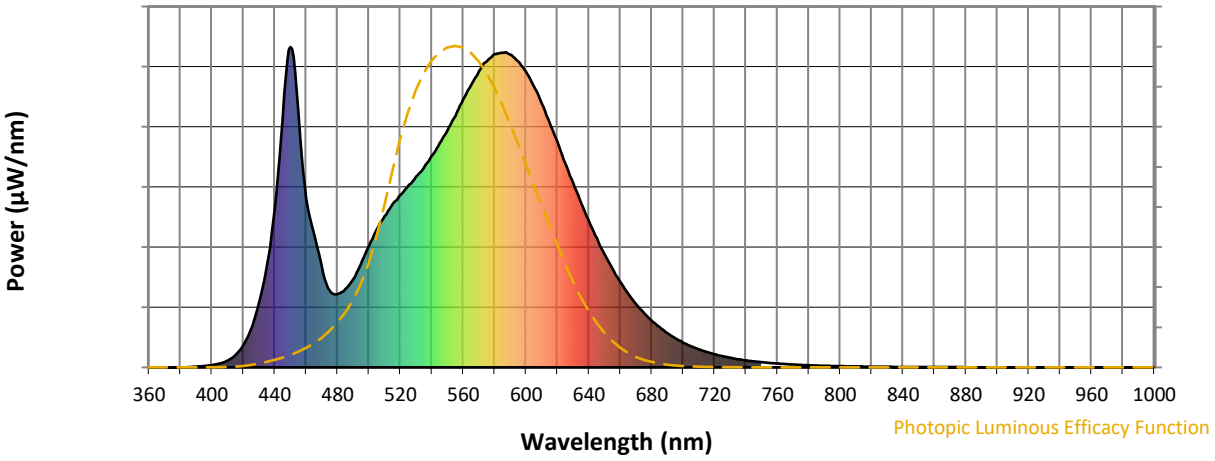


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

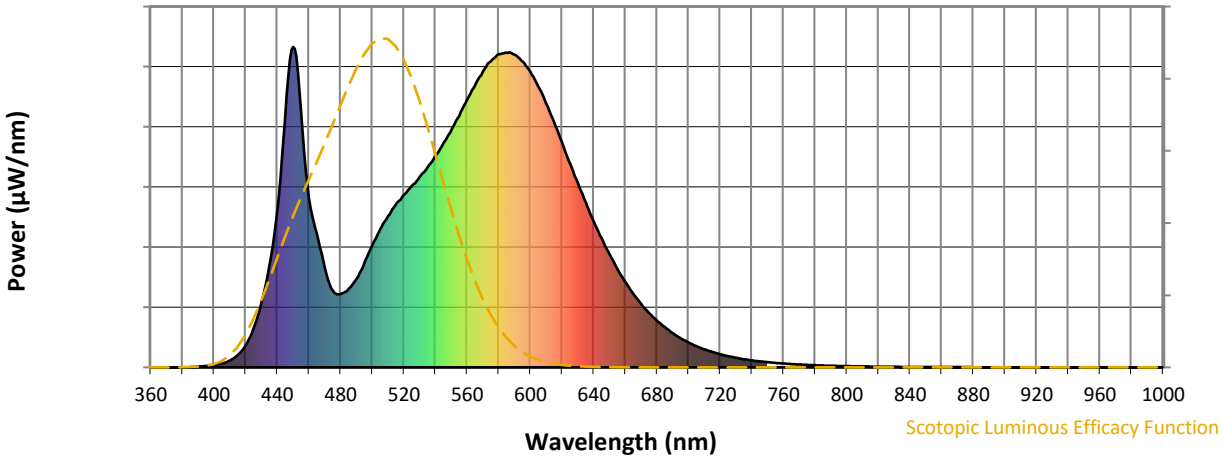


Photopic Lumens: NR

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

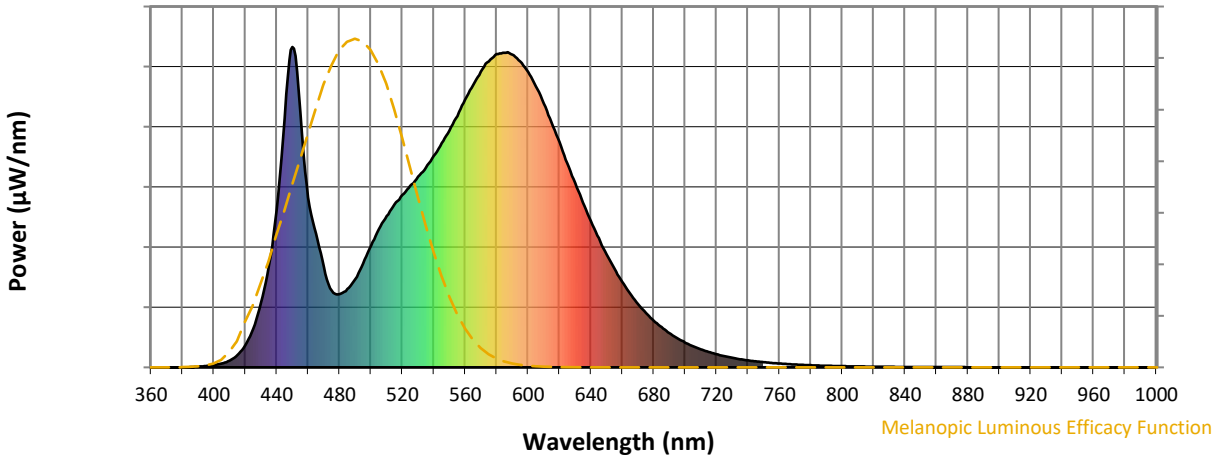


Scotopic Lumens: NR **S/P: 1.59**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.21**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

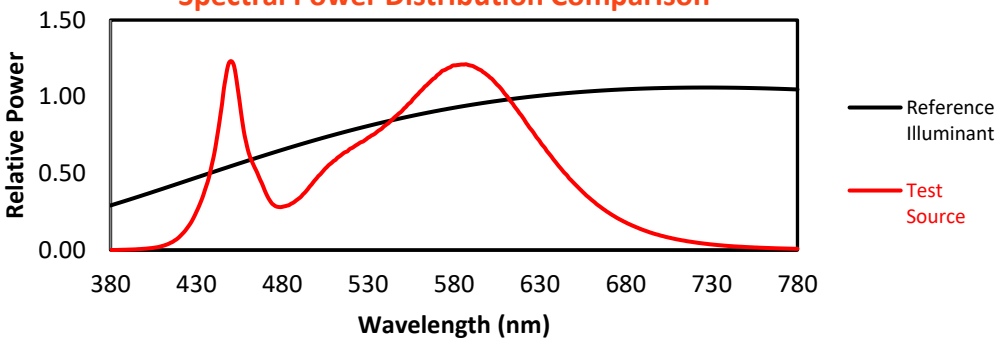
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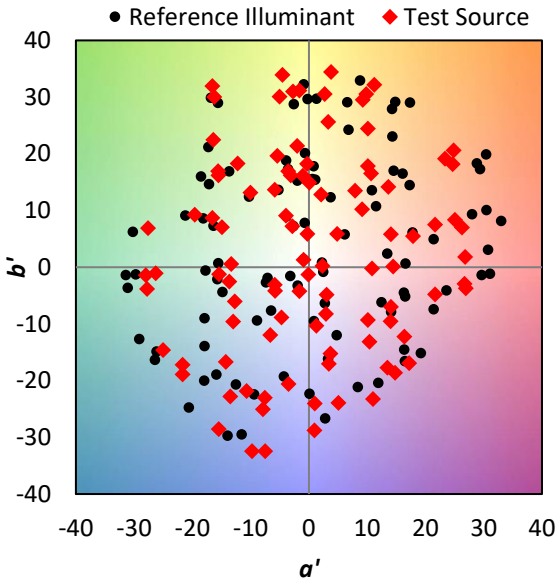
Summary

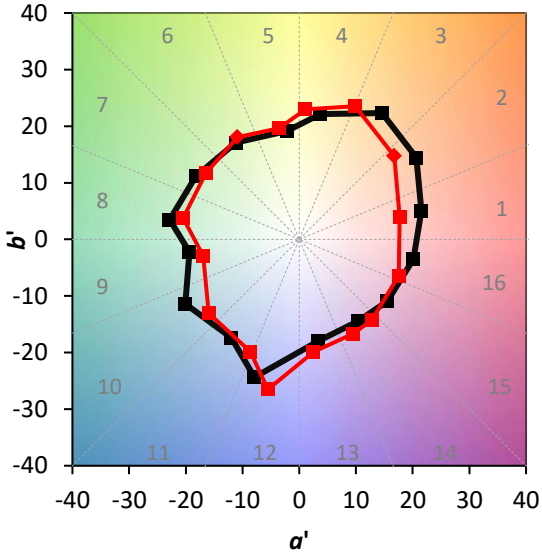
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

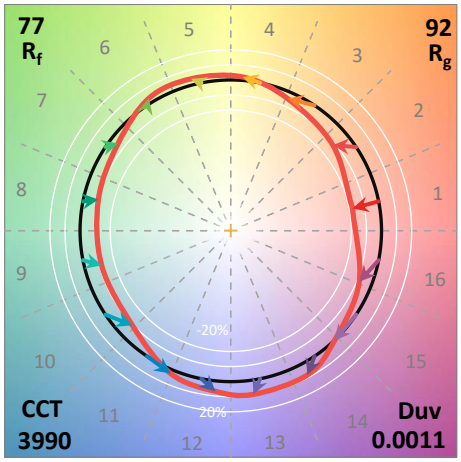
Spectral Power Distribution Comparison

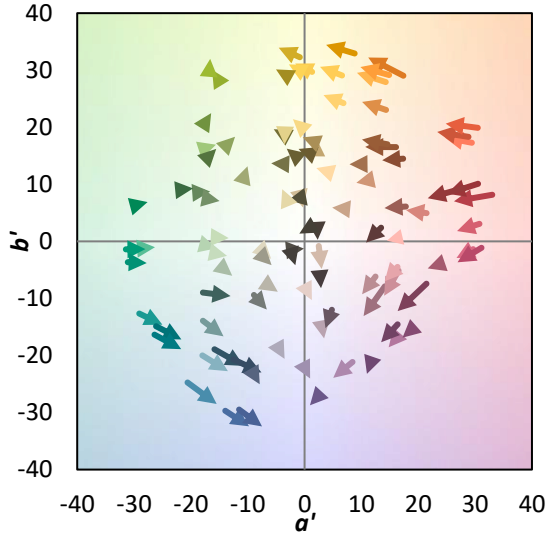


Color Vector Graphics







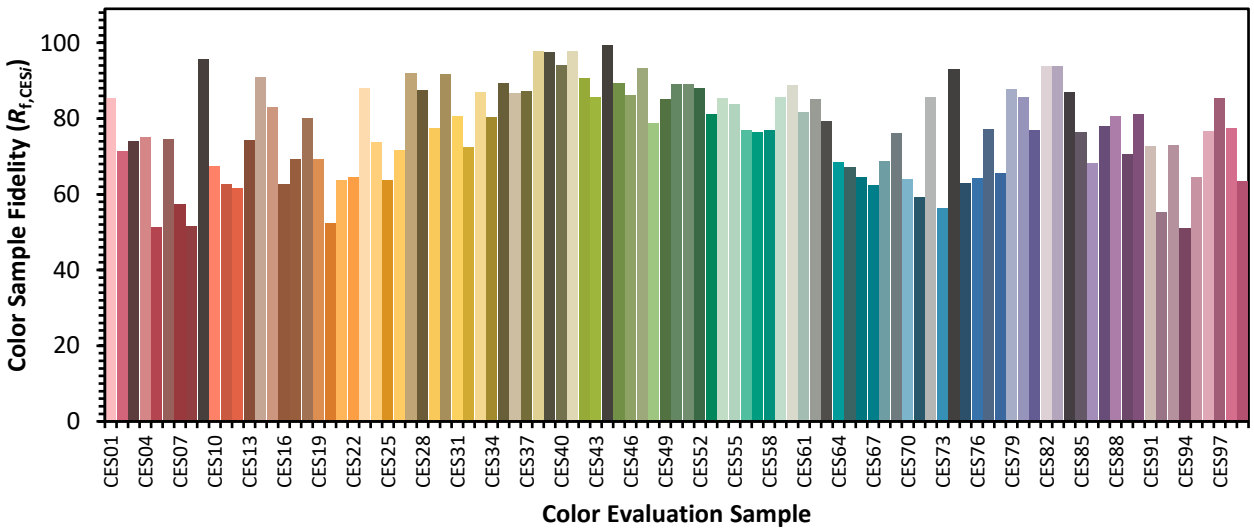


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Individual Sample Fidelity Index ($R_{f,i}$)

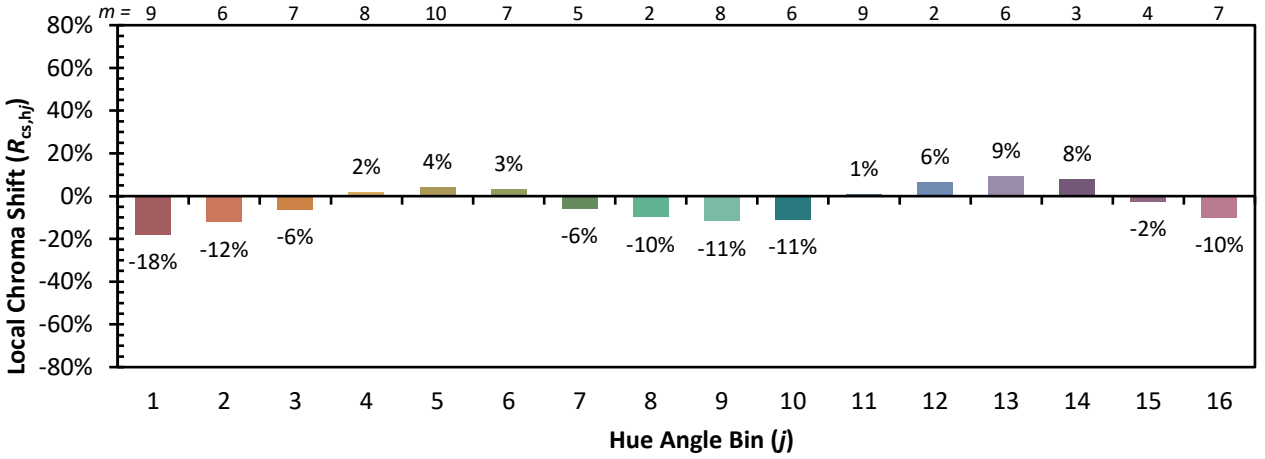
CES01 = 85	CES26 = 72	CES51 = 89	CES76 = 64
CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 39	CES33 = 87	CES58 = 77	CES83 = 94
CES09 = 29	CES34 = 80	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 89	CES60 = 89	CES85 = 76
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 68
CES12 = 63	CES37 = 87	CES62 = 85	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 81
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 67	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 65	CES91 = 73
CES17 = 49	CES42 = 91	CES67 = 62	CES92 = 55
CES18 = 56	CES43 = 86	CES68 = 69	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 65	CES45 = 89	CES70 = 64	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 77
CES22 = 78	CES47 = 93	CES72 = 86	CES97 = 85
CES23 = 92	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 93	CES99 = 63
CES25 = 72	CES50 = 89	CES75 = 63	

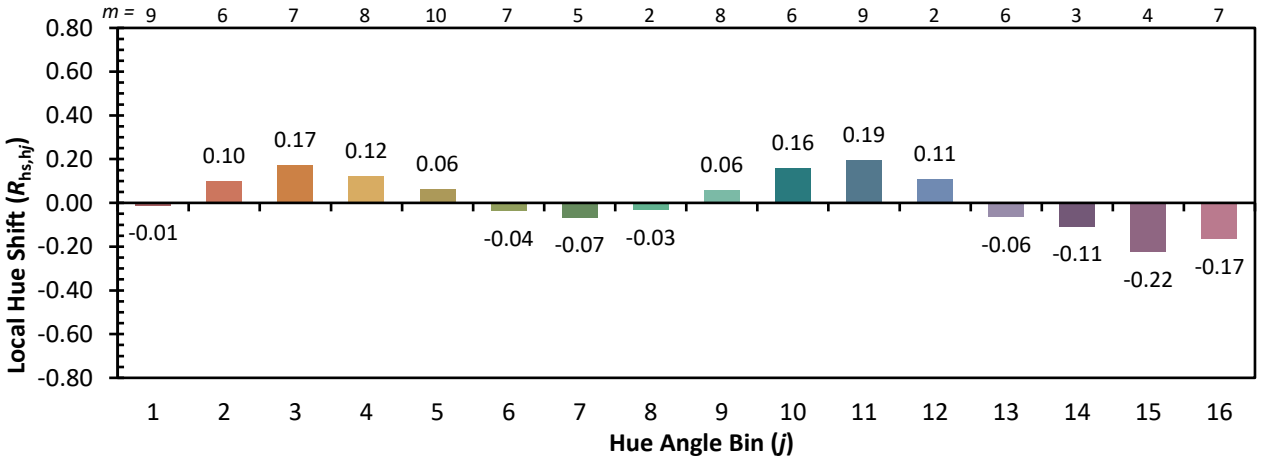


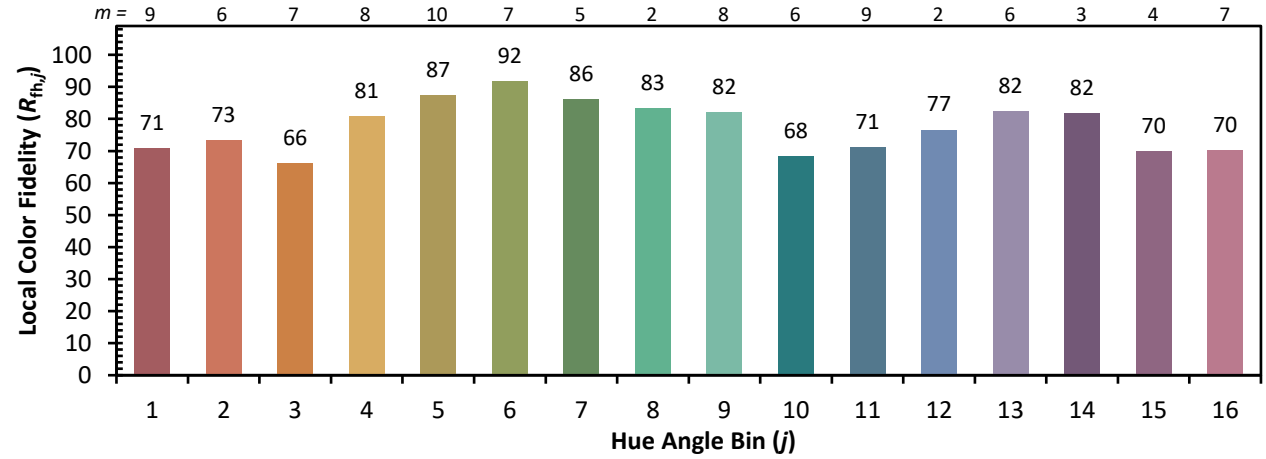
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Color Rendition by Hue-Angle Bin



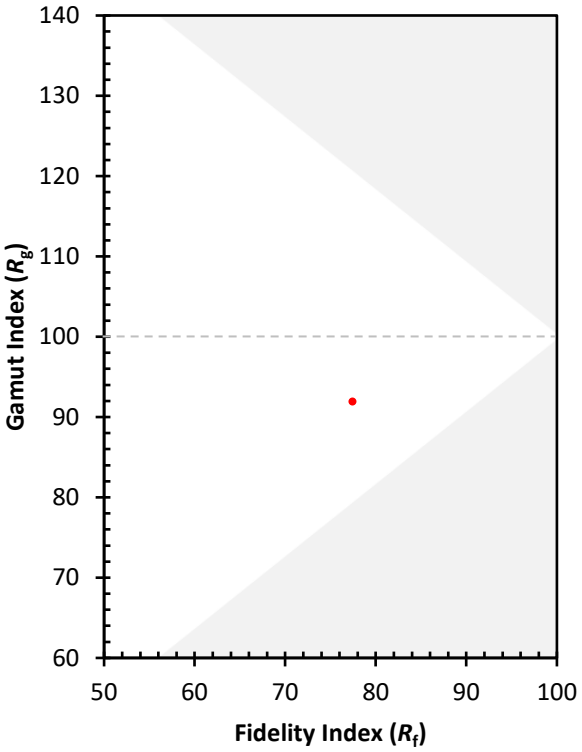


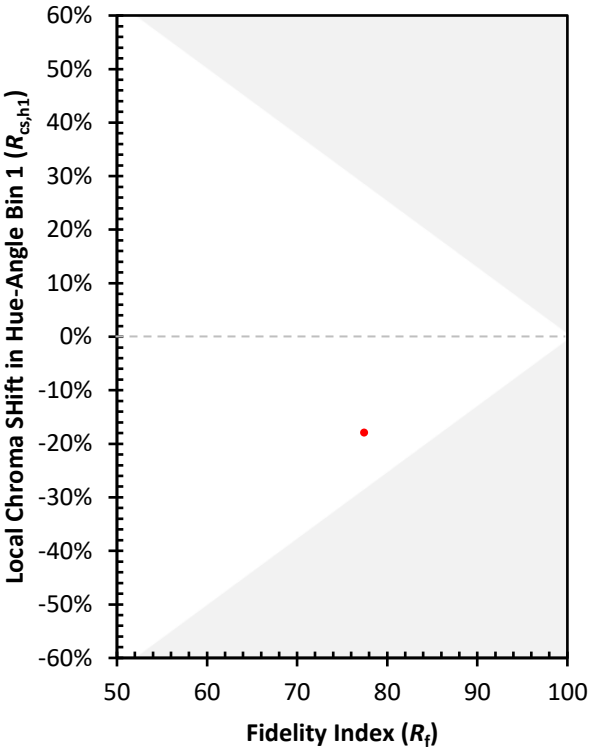


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Measure Comparisons





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