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: P981113

Luminaire Tested: **FFX-CLB-60-730-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:	P981113
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-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:	9083.9 lumens
Efficiency:	N/A
Efficacy:	149.9 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

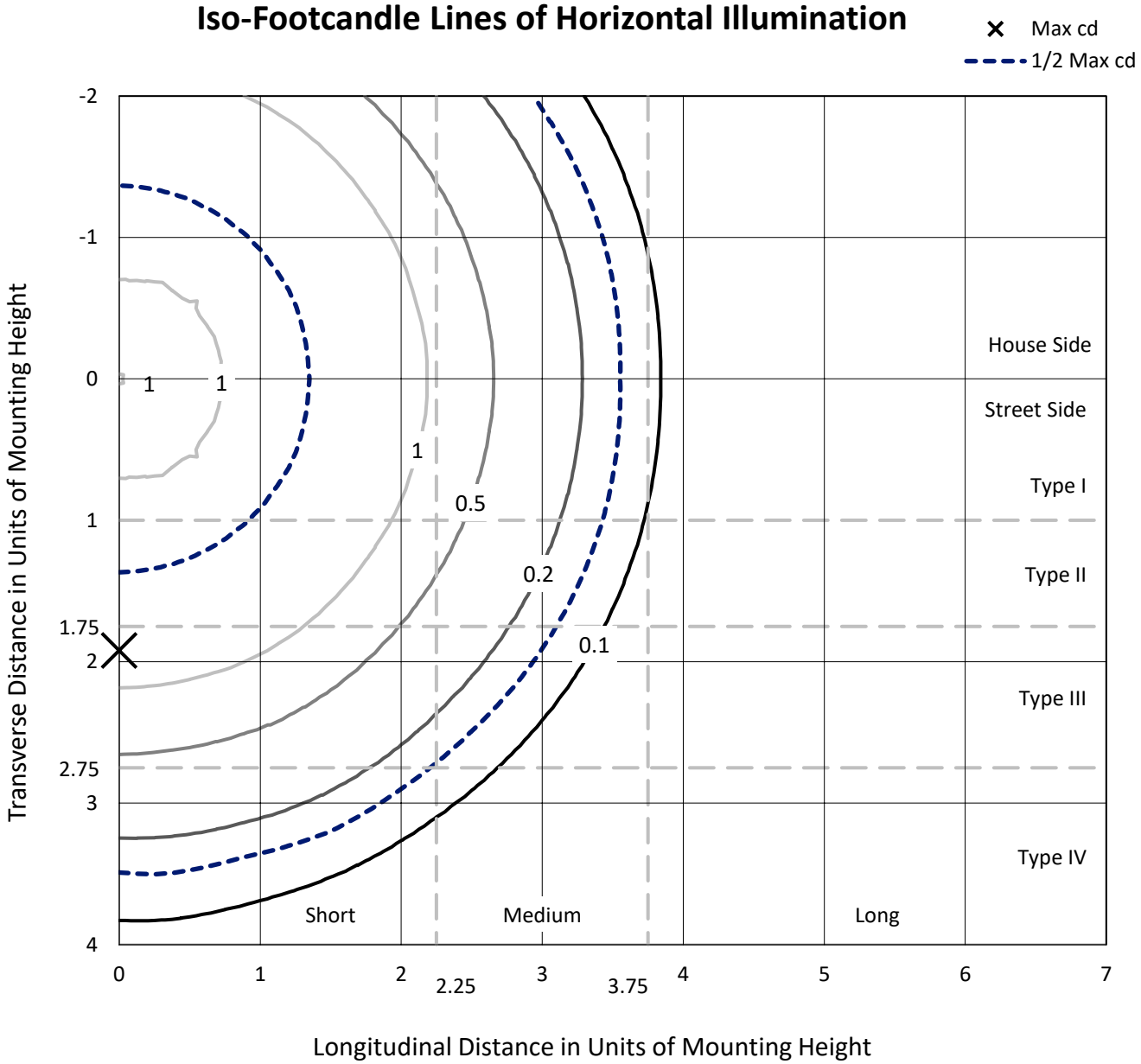


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REPORT NUMBER: P981113
CATALOG NUMBER: FFX-CLB-60-730-U-FR-T5-UPLR

Iso-Footcandle Lines of Horizontal Illumination



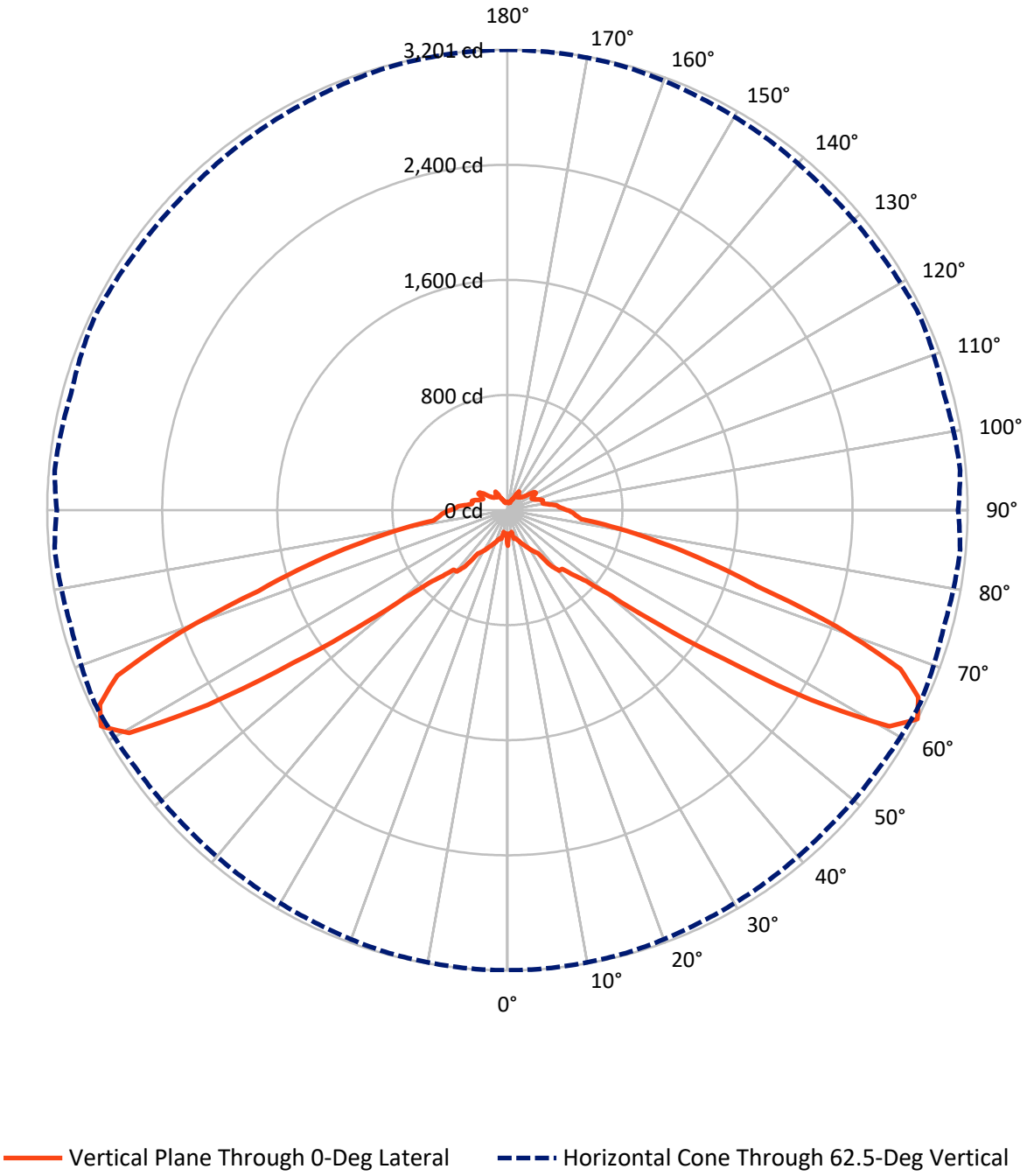
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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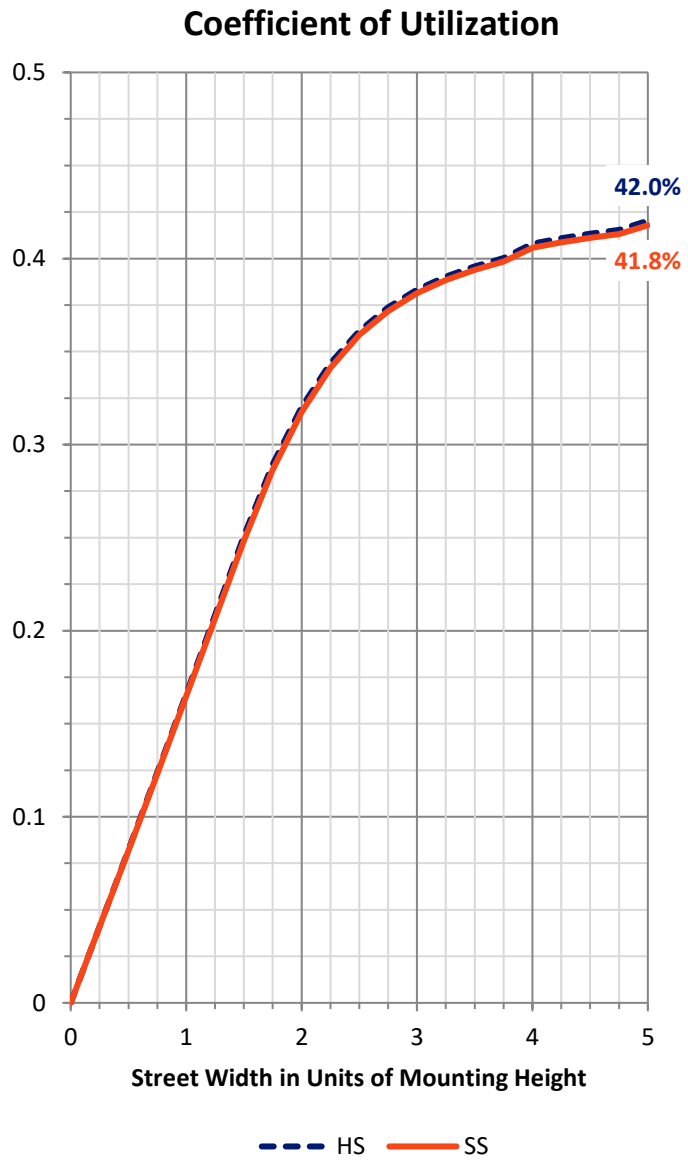
REPORT NUMBER: P981113
CATALOG NUMBER: FFX-CLB-60-730-U-FR-T5-UPLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3953.7	588.3	4542.0
	% Fixture	43.5	6.5	50.0
Street Side	Lumens	3953.7	588.3	4542.0
	% Fixture	43.5	6.5	50.0
Total	Lumens	7907.4	1176.5	9083.9
	% Fixture	87.0	13.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.2
10°-20°	57.6	0.6
20°-30°	126.3	1.4
30°-40°	259.4	2.9
40°-50°	535.7	5.9
50°-60°	1749.7	19.3
60°-70°	2950.1	32.5
70°-80°	1605.8	17.7
80°-90°	607.3	6.7
90°-100°	369.2	4.1
100°-110°	232.9	2.6
110°-120°	177.1	1.9
120°-130°	151.4	1.7
130°-140°	101.8	1.1
140°-150°	83.8	0.9
150°-160°	39.6	0.4
160°-170°	15.7	0.2
170°-180°	5.2	0.1
0°-90°	7907.4	87.0
0°-180°	9083.9	100.0



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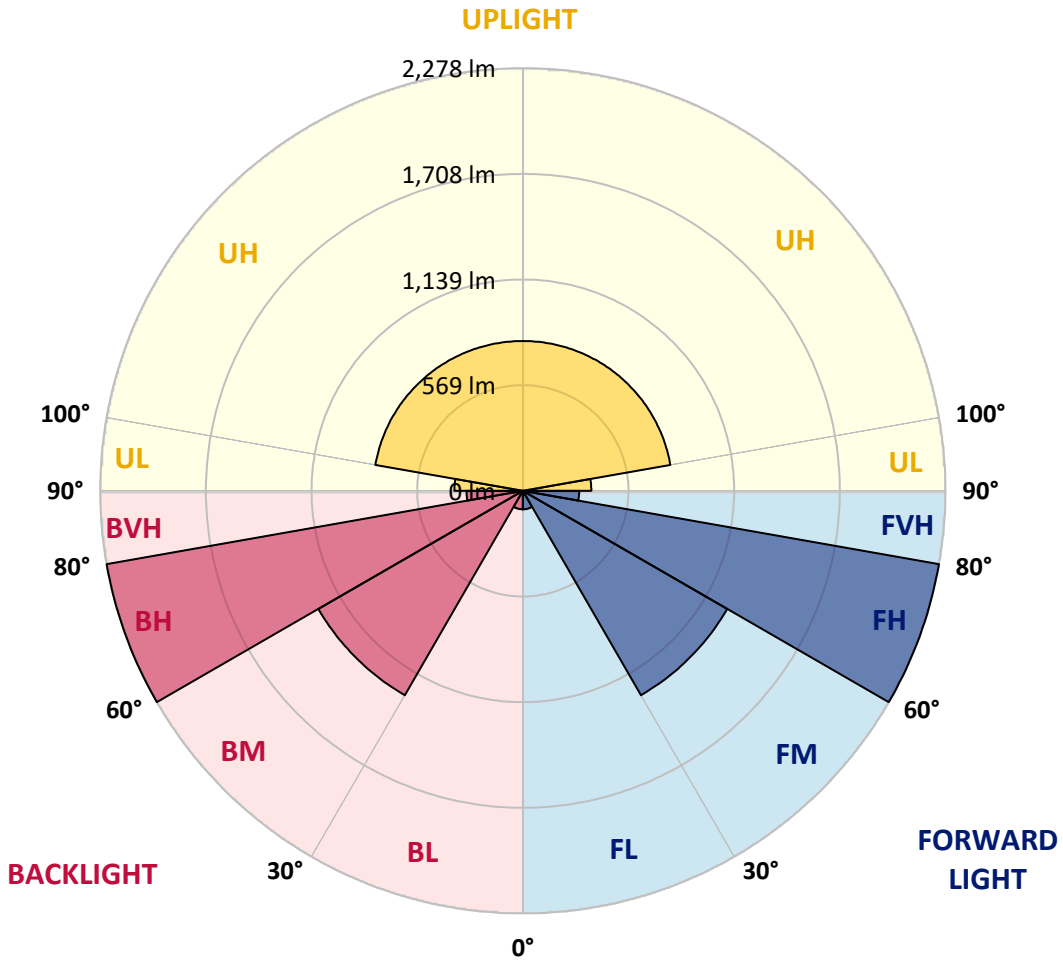
Scaled Data Report

REPORT NUMBER: P981113
CATALOG NUMBER: FFX-CLB-60-730-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°)	99.7	1.1			
FM	(30°-60°)	1272.4	14.0			
FH	(60°-80°)	2277.9	25.1			G2/5000
FVH	(80°-90°)	303.6	3.3			G3/500
BL	(0°-30°)	99.7	1.1	B0/110		
BM	(30°-60°)	1272.4	14.0	B2/2500		
BH	(60°-80°)	2277.9	25.1	B3/2500		G2/5000
BVH	(80°-90°)	303.6	3.3			G3/500
UL	(90°-100°)	369.2	4.1		U3/500	
UH	(100°-180°)	807.4	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°	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4
2.5°	164.7	171.3	207.8	237.8	237.2	216.2	189.3	191.7	207.8	222.2	225.8
5°	165.9	163.5	161.7	154.5	152.1	155.7	153.3	146.1	143.1	143.7	155.1
7.5°	172.5	169.5	152.1	138.9	137.2	144.9	161.7	161.7	143.7	130.0	129.4
10°	155.1	154.5	160.5	166.5	168.3	161.1	153.9	150.3	149.1	147.9	146.7
12.5°	204.8	202.4	189.9	182.1	180.9	184.5	189.9	188.1	179.1	174.3	174.3
15°	203.6	204.8	206.6	203.6	203.0	203.6	206.6	204.8	201.8	198.2	198.2
17.5°	215.0	215.6	216.2	217.4	216.2	214.4	214.4	213.8	214.4	215.6	215.6
20°	232.4	233.0	233.0	233.0	232.4	228.8	228.8	229.4	228.8	230.0	229.4
22.5°	251.5	250.9	250.9	250.9	249.1	246.2	245.6	246.2	244.4	244.4	244.4
25°	270.1	271.3	273.1	272.5	269.5	267.1	265.3	265.9	264.7	264.7	264.7
27.5°	293.5	292.3	295.9	294.7	291.7	291.7	289.9	289.9	288.1	287.5	286.9
30°	319.8	319.2	319.2	319.8	318.6	317.4	317.4	316.2	313.2	313.8	315.0
32.5°	345.6	345.0	343.8	344.4	343.8	342.0	345.0	345.0	343.8	344.4	348.0
35°	370.7	374.3	382.7	388.7	390.5	389.9	392.3	396.5	393.5	391.7	393.5
37.5°	490.5	488.1	479.1	473.7	474.9	477.9	471.3	466.6	463.6	463.0	466.0
40°	553.4	551.0	537.8	539.0	530.0	533.0	536.0	540.2	537.2	530.6	530.6
42.5°	558.8	559.4	578.0	606.1	597.7	579.8	563.0	571.4	583.9	591.7	594.7
45°	641.4	649.2	649.2	651.0	651.6	652.2	640.2	645.6	655.8	668.4	667.8
47.5°	736.7	741.5	744.5	748.0	746.3	748.0	763.6	759.4	770.8	769.6	768.4
50°	936.1	956.5	960.1	973.8	965.5	967.3	996.0	998.4	998.4	996.6	999.0
52.5°	1328.4	1346.4	1343.4	1312.8	1327.8	1354.8	1385.9	1363.7	1395.5	1379.9	1372.7
55°	1826.7	1827.3	1847.1	1889.6	1909.3	1888.4	1905.2	1863.8	1933.3	1941.7	1920.7
57.5°	2487.9	2500.5	2504.7	2515.5	2499.9	2497.5	2509.5	2483.7	2516.1	2484.3	2496.9
60°	3053.3	3037.1	2991.0	2925.7	2932.9	2958.7	3005.4	2989.2	2966.4	2922.1	2911.9
62.5°	3200.6	3198.2	3188.6	3164.7	3150.3	3138.9	3144.9	3169.5	3140.7	3160.5	3134.1
65°	3140.1	3138.3	3147.3	3168.3	3152.7	3114.4	3080.8	3121.0	3103.0	3168.9	3149.7
67.5°	2946.7	2938.9	2929.9	2968.8	2944.3	2889.2	2864.6	2868.2	2857.4	2923.3	2904.1
70°	2430.4	2417.8	2434.6	2496.3	2461.0	2411.8	2383.7	2395.7	2398.7	2440.6	2447.2
72.5°	1821.3	1836.9	1853.6	1895.0	1886.6	1859.6	1875.2	1893.2	1910.5	1926.1	1919.5
75°	1441.6	1460.2	1426.6	1447.0	1439.8	1460.8	1475.1	1483.5	1481.7	1465.6	1458.4
77.5°	1096.0	1111.0	1103.2	1097.2	1102.6	1123.6	1169.1	1163.7	1137.9	1110.4	1115.8
80°	788.2	814.5	817.5	815.1	826.5	829.5	867.8	857.6	836.7	836.1	842.1
82.5°	516.3	528.2	566.0	599.5	608.5	593.5	618.7	628.3	633.7	634.3	632.5
85°	477.9	491.1	482.1	500.1	504.3	508.5	512.7	516.3	522.3	527.6	530.0
87.5°	451.6	473.1	471.9	483.9	482.7	491.1	498.9	501.3	494.1	486.3	483.9
90°	403.7	421.0	427.6	434.8	438.4	437.2	443.8	443.8	439.0	435.4	434.2
92.5°	362.3	371.9	377.9	386.9	389.3	388.1	394.7	391.7	392.3	393.5	394.7
95°	342.6	346.8	345.0	348.6	343.8	339.6	342.0	338.4	336.6	333.6	333.6
97.5°	286.3	285.7	285.7	286.9	284.5	280.9	282.7	282.1	282.7	282.7	280.3
100°	250.9	250.3	246.8	246.2	245.6	244.4	242.6	243.2	243.2	242.6	243.2
102.5°	250.3	245.0	237.2	228.8	228.8	227.0	227.6	227.0	226.4	222.8	221.0
105°	255.1	246.8	233.6	216.8	214.4	215.0	216.8	216.2	213.8	210.2	207.8
107.5°	236.0	226.4	218.6	207.8	204.8	204.2	205.4	206.0	203.6	198.8	195.2
110°	209.0	205.4	201.8	197.6	194.6	194.0	194.0	194.0	191.7	189.9	185.7

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CATALOG NUMBER: FFX-CLB-60-730-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	*197.0*	192.9	188.7	185.1	183.3	182.7	181.5	180.3	178.5	176.7	174.3
115°	*185.7*	185.7	182.7	169.5	166.5	165.9	165.3	165.3	165.3	165.3	164.7
117.5°	*201.2*	199.4	188.1	171.3	165.9	162.9	160.5	161.7	161.1	165.3	164.1
120°	*230.6*	217.4	192.9	180.9	176.1	173.7	174.3	174.9	174.3	173.1	170.7
122.5°	*228.2*	213.8	198.8	189.9	184.5	183.9	186.3	185.7	180.3	171.9	165.3
125°	*200.6*	192.9	183.9	175.5	172.5	171.3	172.5	170.7	167.1	162.9	156.3
127.5°	*155.7*	154.5	149.7	146.1	146.7	148.5	151.5	151.5	149.7	147.3	143.7
130°	*139.5*	138.3	138.9	140.1	139.5	139.5	136.6	134.2	138.3	141.9	140.1
132.5°	*128.8*	129.4	135.4	144.3	142.5	137.8	130.6	129.4	136.0	143.1	142.5
135°	*124.0*	124.6	129.4	138.3	136.0	130.0	127.0	127.6	131.2	134.8	134.2
137.5°	*124.0*	124.0	122.8	125.8	125.8	125.8	125.2	127.0	129.4	129.4	127.6
140°	*122.2*	123.4	119.8	120.4	122.2	124.0	124.6	127.0	127.6	127.0	124.6
142.5°	*112.0*	113.2	116.8	121.6	122.8	124.0	127.6	127.0	127.0	127.0	125.8
145°	*137.8*	137.8	140.7	144.9	143.1	140.7	141.9	142.5	143.7	144.9	143.7
147.5°	*152.1*	152.1	148.5	147.3	144.3	144.3	147.9	147.3	146.7	145.5	146.1
150°	*125.8*	125.2	122.2	121.0	121.0	119.8	121.6	121.6	119.8	118.6	119.2
152.5°	*89.8*	90.4	89.2	90.4	92.2	94.0	95.8	97.0	97.0	97.0	95.8
155°	*81.5*	80.3	79.7	80.9	81.5	80.9	79.7	79.7	79.7	78.5	77.9
157.5°	*70.7*	70.1	69.5	70.1	70.1	70.7	71.3	71.9	71.9	70.7	70.1
160°	*61.1*	61.1	61.1	61.7	61.7	61.1	60.5	61.1	62.3	62.3	62.3
162.5°	*55.1*	55.7	56.3	57.5	57.5	56.3	55.1	55.1	56.3	57.5	57.5
165°	*50.9*	50.9	52.1	54.5	55.1	53.3	51.5	51.5	53.3	55.7	56.3
167.5°	*50.9*	51.5	53.3	55.1	54.5	52.7	50.9	50.9	52.7	54.5	54.5
170°	*54.5*	54.5	53.9	53.3	52.7	52.7	52.7	53.3	53.9	53.3	53.3
172.5°	*57.5*	56.9	55.1	53.3	52.7	54.5	55.7	55.1	54.5	53.3	53.3
175°	*58.7*	58.1	56.9	55.7	55.7	56.9	57.5	56.3	55.1	54.5	53.9
177.5°	*52.7*	52.7	52.1	52.1	52.7	52.1	52.1	52.1	51.5	50.9	50.3
180°	*45.5*	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5

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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: SP1-2501-332-4

Test Date: 03/21/2025

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

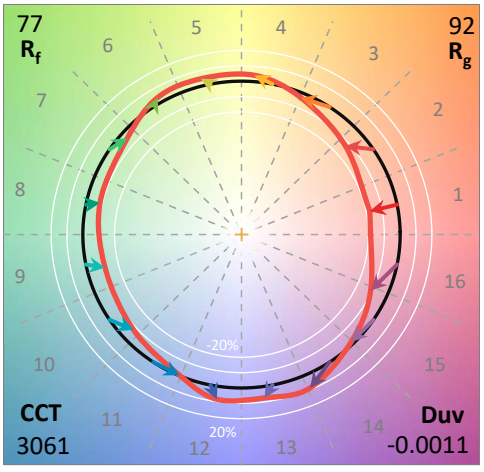
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061	CRI (Ra):	71.7		
CIE u':	0.2489	R1:	67.8	R9:	-40.3
CIE v':	0.5187	R2:	85.0	R10:	67.2
Duv:	-0.0011	R3:	92.9	R11:	61.6
CIE x:	0.4312	R4:	66.0	R12:	59.9
CIE y:	0.3995	R5:	68.5	R13:	71.4
CIE z:	0.1693	R6:	80.2	R14:	96.3
Peak Wavelength (nm):	592	R7:	74.5	R15:	58.8
Dominant Wavelength (nm):	582	R8:	39.0		
Purity:	49.32381				

Rf:	76.8
Rg:	92.2



Test Conditions

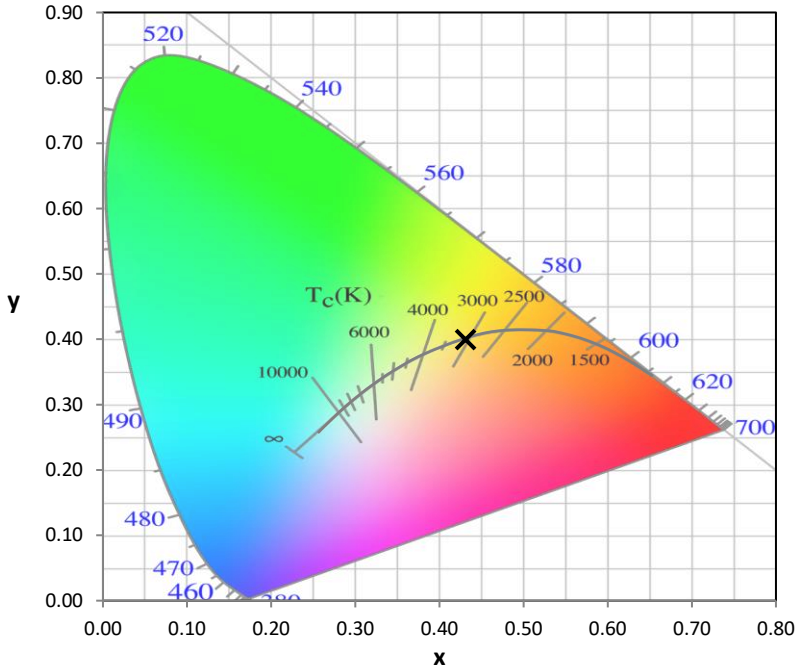
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

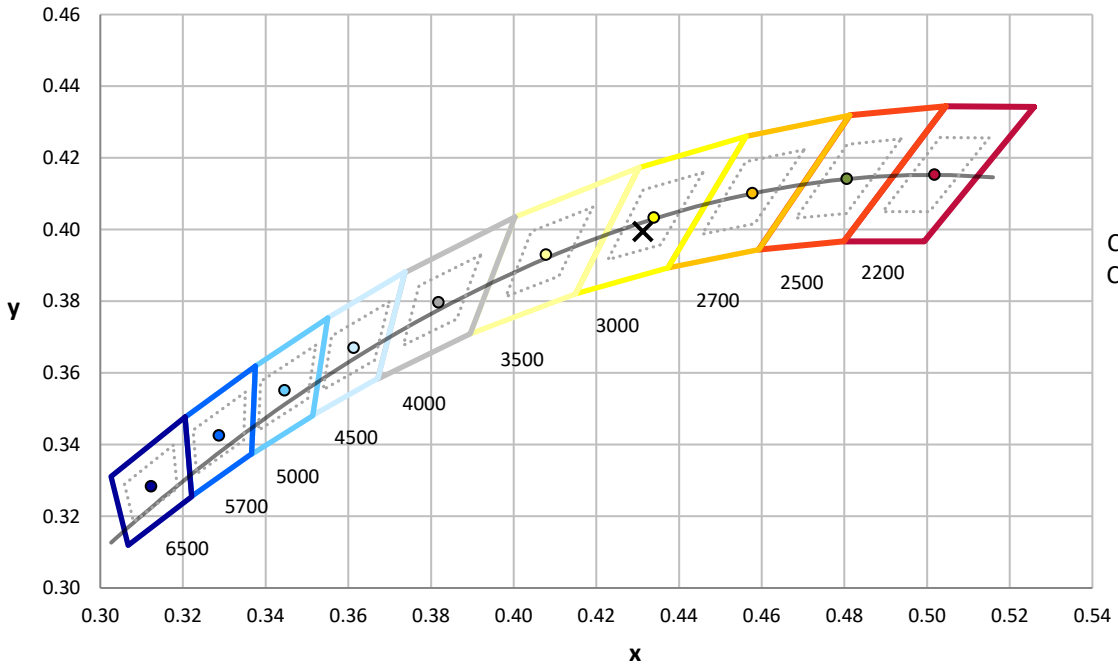
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

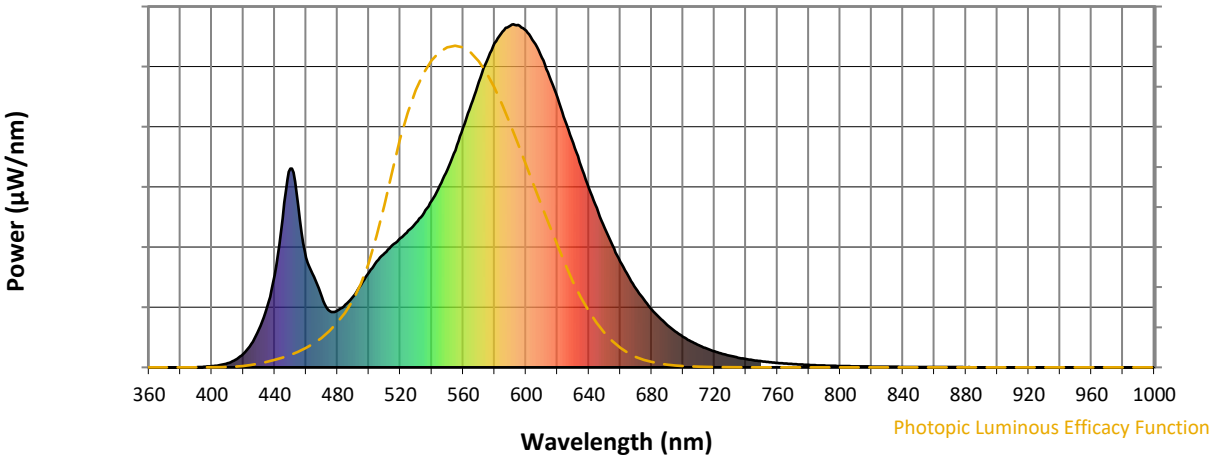


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

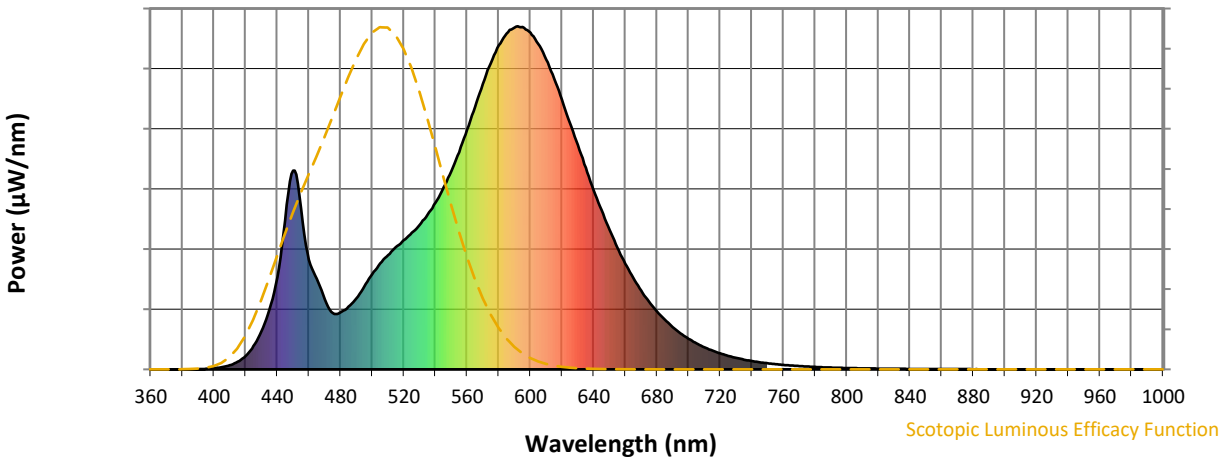


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

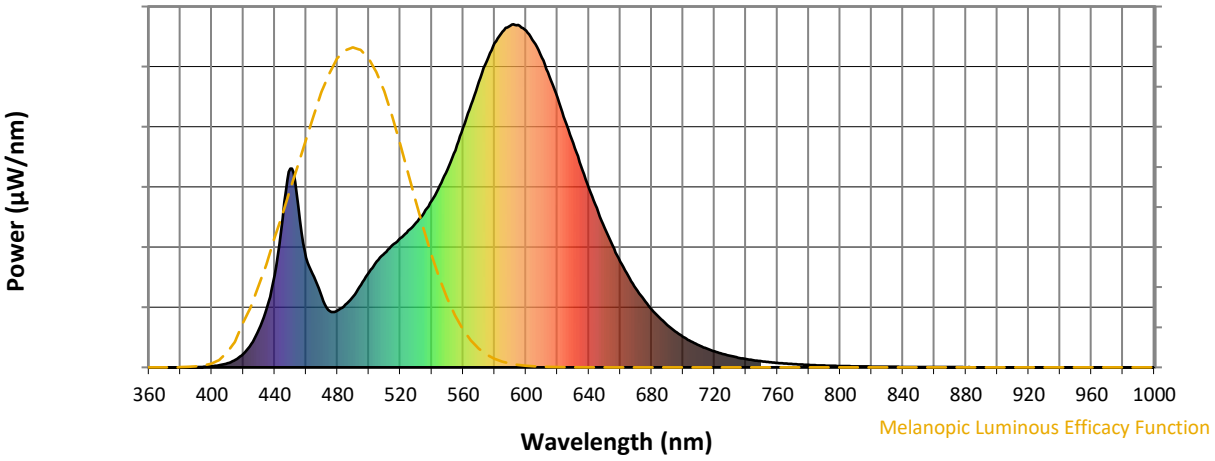


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

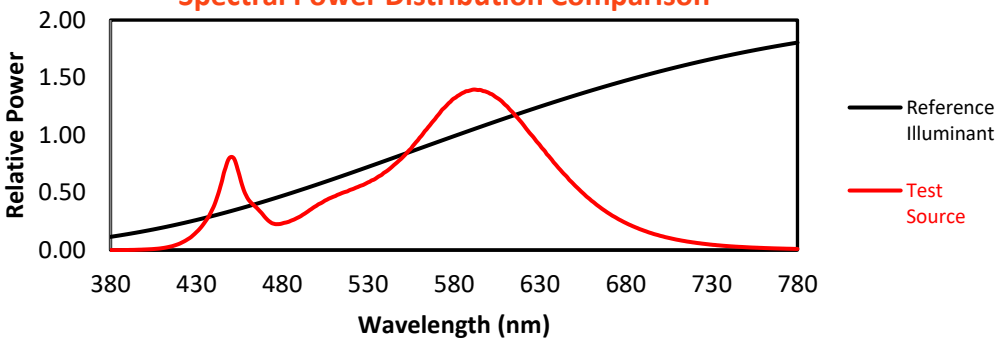
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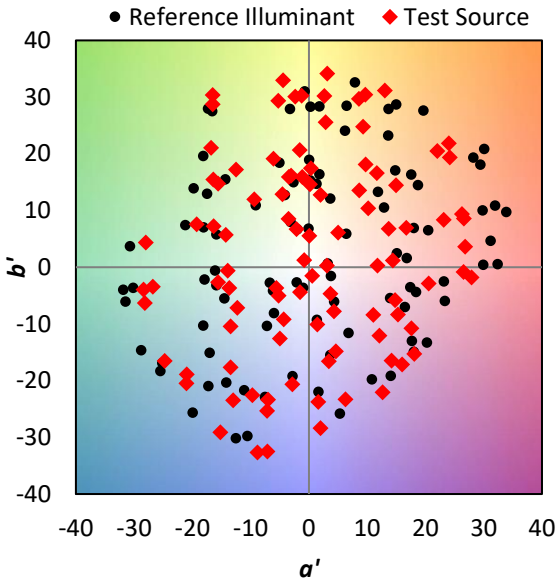
Summary

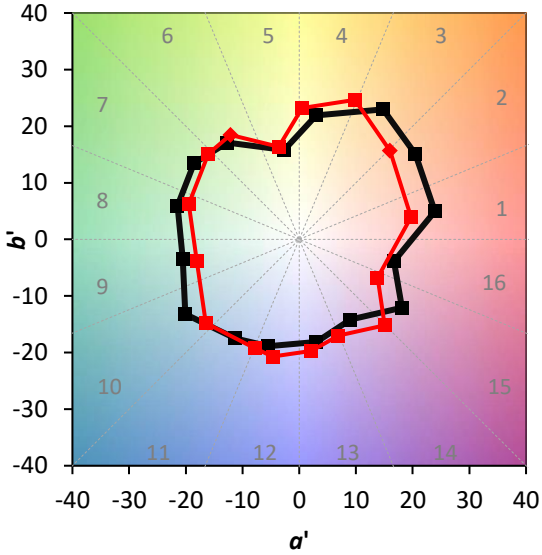
R_f = 76.8
R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

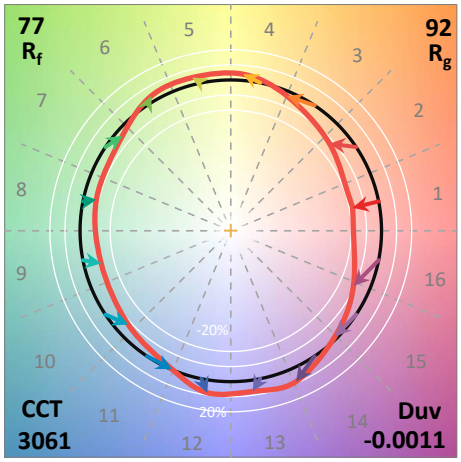
Spectral Power Distribution Comparison

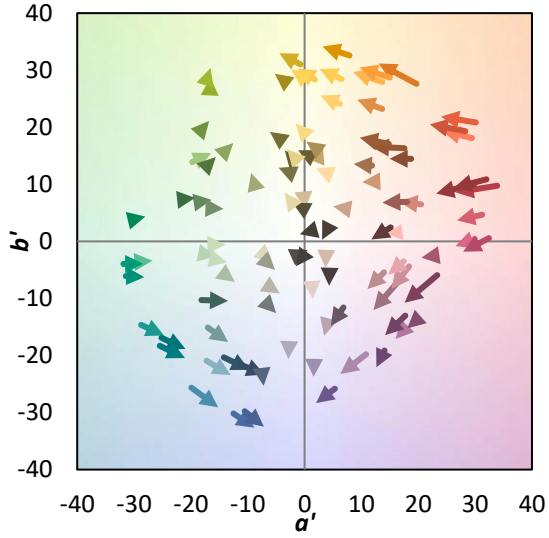


Color Vector Graphics







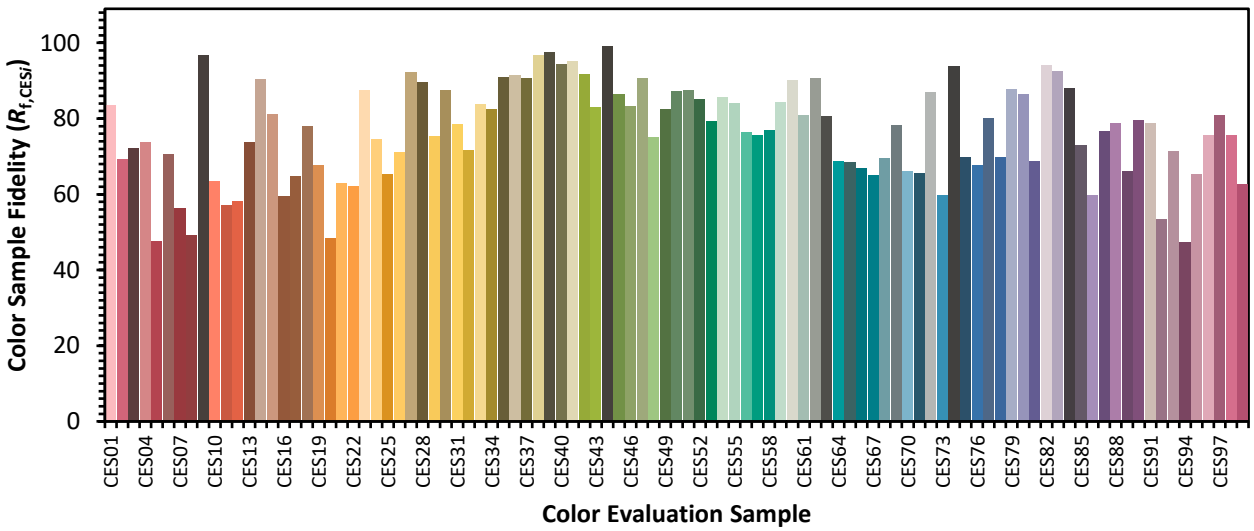


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Individual Sample Fidelity Index ($R_{f,i}$)

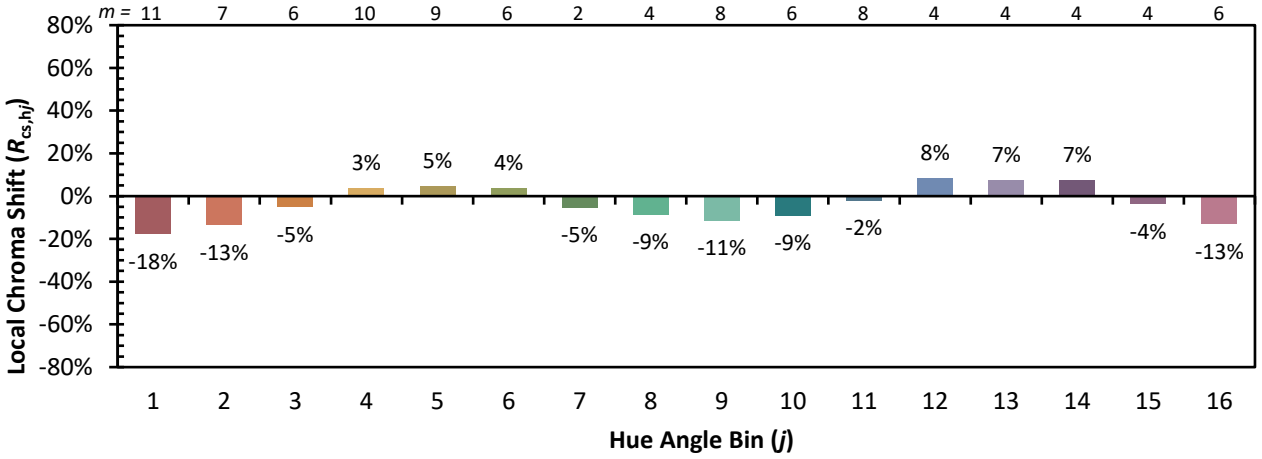
CES01 = 86	CES26 = 71	CES51 = 88	CES76 = 68
CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

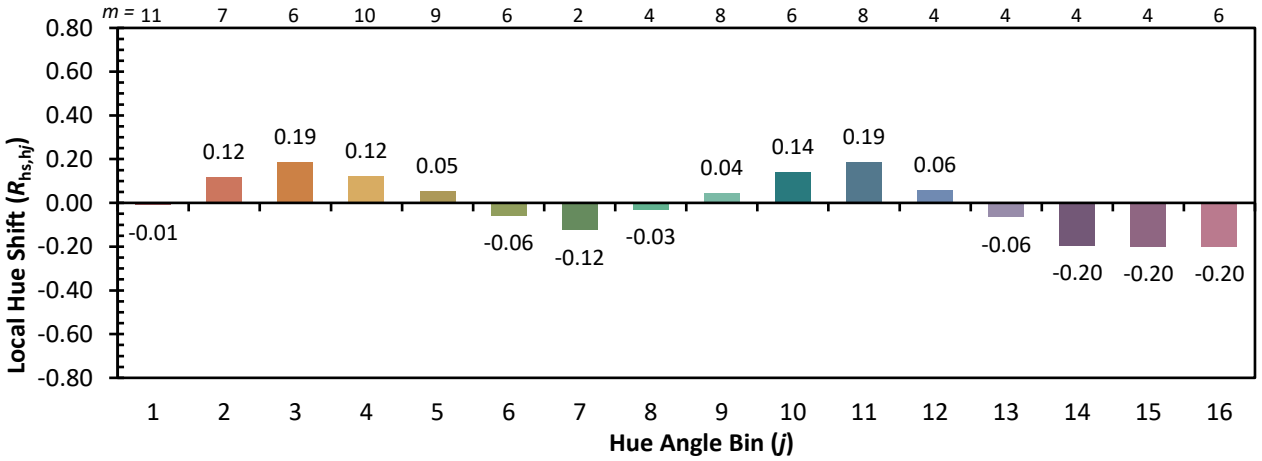


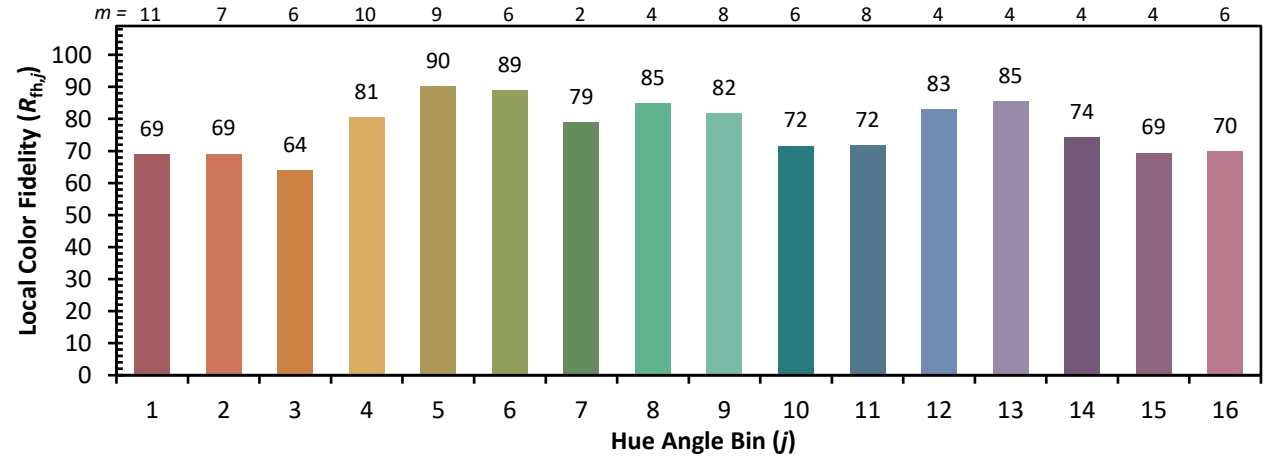
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Color Rendition by Hue-Angle Bin



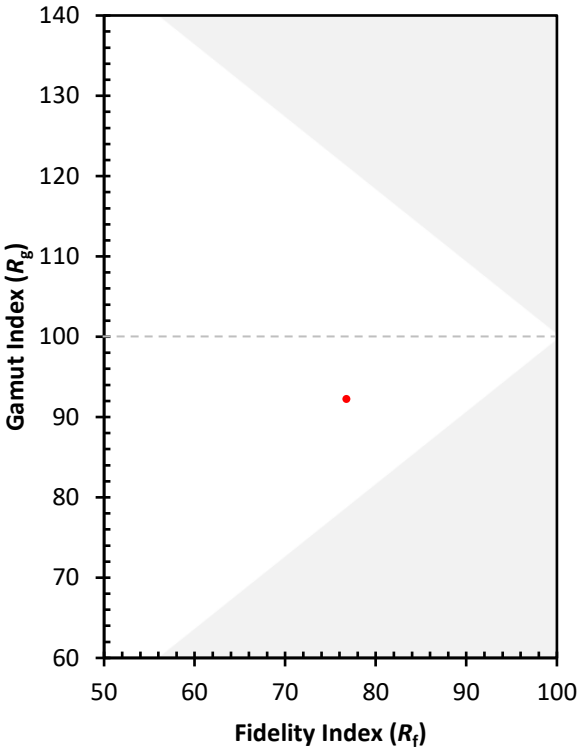


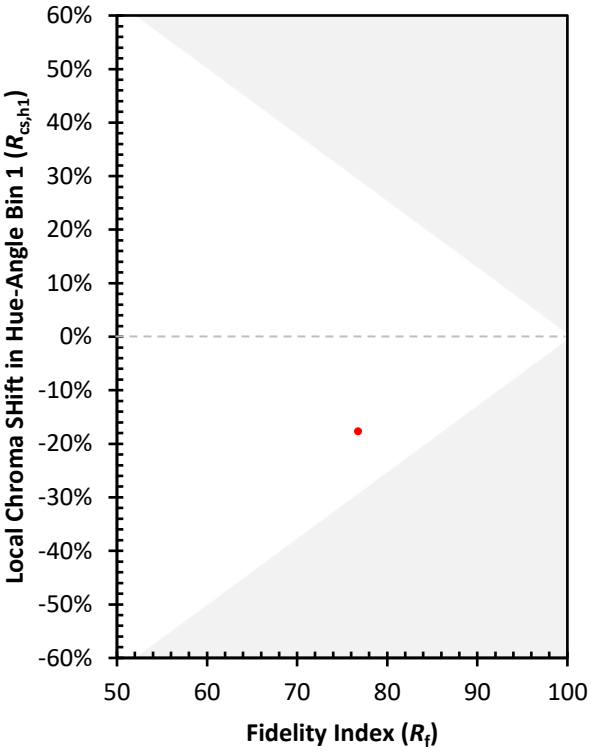


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Measure Comparisons





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