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: P981303

Luminaire Tested: **FFX-CLB-50-740-U-VM9-T5**

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:	P981303
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-VM9-T5
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8743.9 lumens
Efficiency:	N/A
Efficacy:	172.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type V - Short
BUG Rating:	B2 - U5 - G4

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

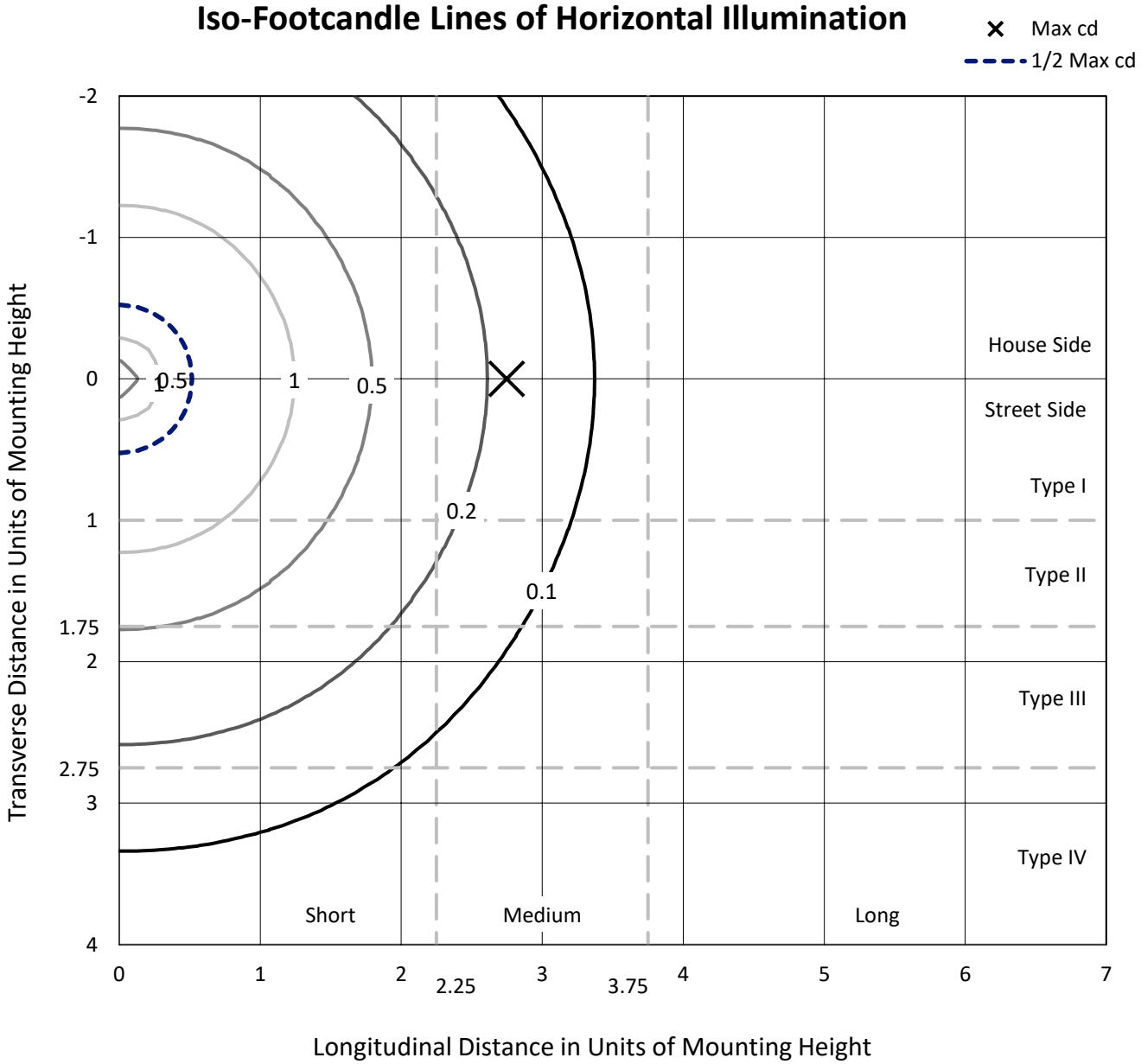


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REPORT NUMBER: P981303
CATALOG NUMBER: FFX-CLB-50-740-U-VM9-T5

Iso-Footcandle Lines of Horizontal Illumination



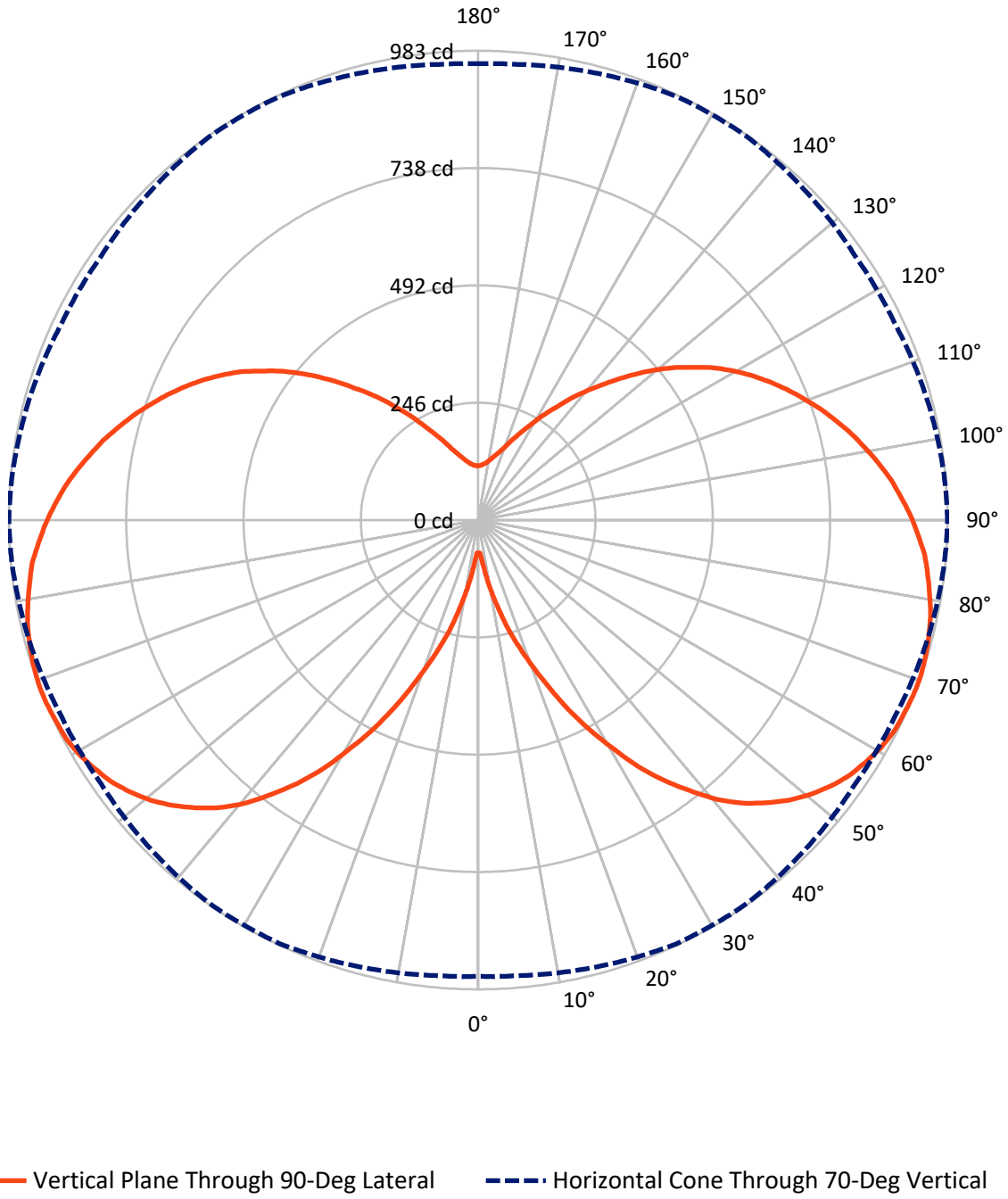
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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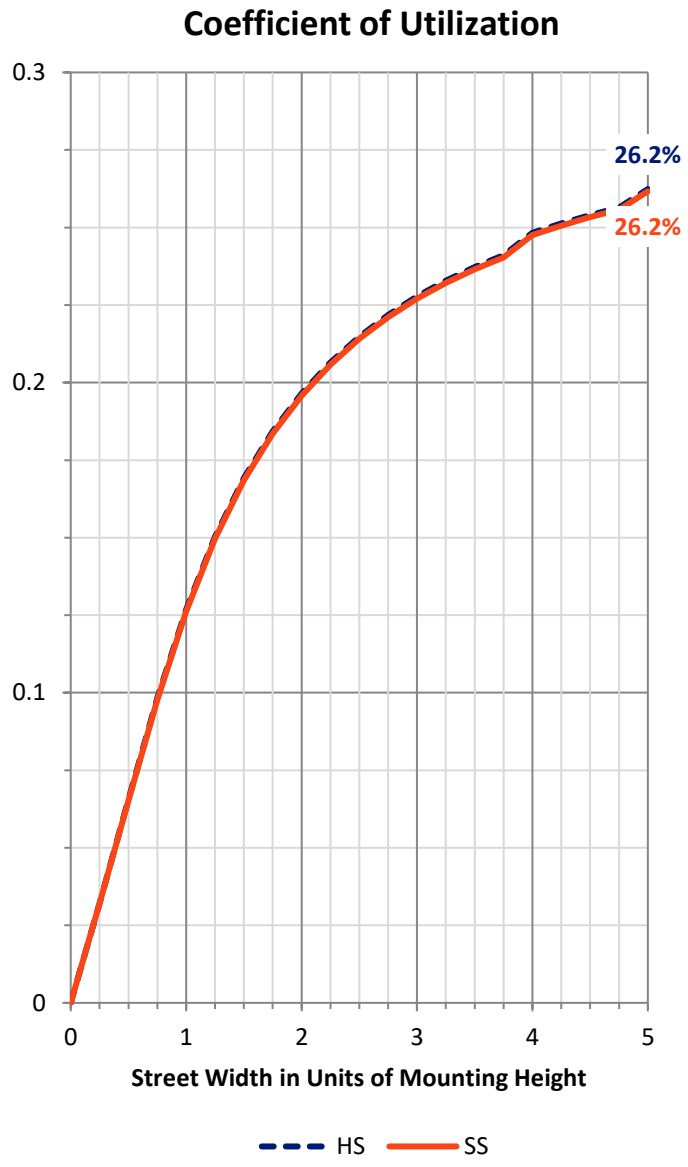
REPORT NUMBER: P981303
CATALOG NUMBER: FFX-CLB-50-740-U-VM9-T5

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2588.5	1783.5	4372.0
	% Fixture	29.6	20.4	50.0
Street Side	Lumens	2588.5	1783.5	4372.0
	% Fixture	29.6	20.4	50.0
Total	Lumens	5176.9	3567.0	8743.9
	% Fixture	59.2	40.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	69.9	0.8
20°-30°	205.2	2.3
30°-40°	417.3	4.8
40°-50°	647.5	7.4
50°-60°	836.2	9.6
60°-70°	961.4	11.0
70°-80°	1018.8	11.7
80°-90°	1010.4	11.6
90°-100°	939.3	10.7
100°-110°	818.8	9.4
110°-120°	668.7	7.6
120°-130°	495.8	5.7
130°-140°	320.9	3.7
140°-150°	181.5	2.1
150°-160°	90.5	1.0
160°-170°	40.2	0.5
170°-180°	11.4	0.1
0°-90°	5176.9	59.2
0°-180°	8743.9	100.0



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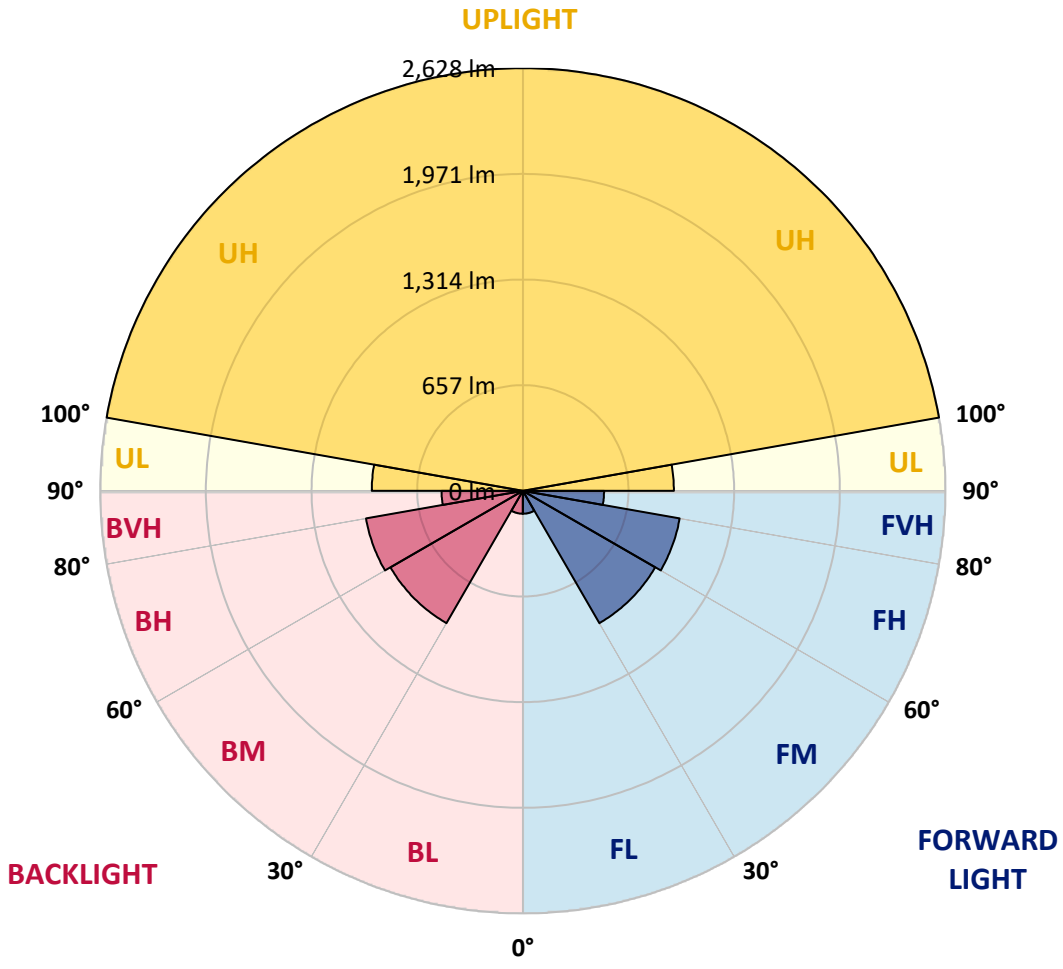
Scaled Data Report

REPORT NUMBER: P981303
CATALOG NUMBER: FFX-CLB-50-740-U-VM9-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	142.7	1.6			
FM	(30°-60°)	950.5	10.9			
FH	(60°-80°)	990.1	11.3			G1/1800
FVH	(80°-90°)	505.2	5.8			G4/750
BL	(0°-30°)	142.7	1.6	B1/500		
BM	(30°-60°)	950.5	10.9	B1/1000		
BH	(60°-80°)	990.1	11.3	B2/1000		G1/1800
BVH	(80°-90°)	505.2	5.8			G4/750
UL	(90°-100°)	939.3	10.7		U4/1000	
UH	(100°-180°)	2627.8	30.1		U5	

BUG Rating: B2-U5-G4
Type V Short



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REPORT NUMBER: P981303
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
2.5°	69.5	69.5	69.5	69.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0
5°	85.8	85.3	85.3	85.8	85.8	85.8	85.3	85.8	84.8	84.2	85.3
7.5°	115.2	115.2	115.2	115.2	114.1	114.1	115.7	114.6	115.2	114.6	115.7
10°	150.5	150.5	150.0	151.0	151.6	151.0	150.5	152.1	151.0	151.0	152.1
12.5°	190.7	191.2	191.2	191.8	192.9	191.2	192.9	192.9	192.9	191.8	191.2
15°	236.9	236.3	237.4	236.9	234.7	236.9	237.4	236.3	236.9	237.4	238.0
17.5°	279.8	279.3	279.8	279.3	281.4	282.0	281.4	281.4	281.4	282.0	280.9
20°	327.1	327.6	326.0	327.6	327.6	328.7	330.9	330.3	330.9	329.2	327.6
22.5°	378.7	379.2	377.6	377.1	380.3	379.8	379.8	381.4	382.5	382.5	381.4
25°	434.1	433.0	433.0	434.6	434.6	434.1	436.8	437.9	437.4	439.0	440.1
27.5°	489.5	488.4	488.4	490.6	490.6	490.6	490.6	495.5	496.0	497.1	497.7
30°	543.3	547.1	547.1	546.0	547.7	550.4	552.0	552.0	553.6	553.6	554.2
32.5°	602.0	602.0	603.1	604.7	604.7	609.6	606.9	611.2	610.1	613.4	615.6
35°	657.4	658.5	658.5	661.7	661.7	662.8	663.4	666.1	669.9	669.4	669.9
37.5°	709.0	708.5	707.4	712.3	713.4	712.8	713.4	717.7	718.8	720.4	719.3
40°	756.3	754.6	757.4	760.1	760.1	761.2	762.3	764.4	766.6	767.7	769.3
42.5°	795.9	795.4	798.1	800.3	800.8	801.4	801.4	803.0	808.4	810.1	811.2
45°	830.7	830.2	833.4	836.1	837.8	837.8	836.1	838.3	843.2	844.8	845.4
47.5°	860.6	861.1	865.5	868.7	869.8	868.2	867.1	869.3	873.1	877.4	876.9
50°	885.6	886.1	891.0	896.5	897.0	895.4	892.6	894.3	899.7	903.0	903.5
52.5°	906.8	907.3	913.3	918.7	919.3	916.6	913.3	916.0	920.9	924.7	925.8
55°	923.6	925.2	931.2	937.2	938.8	935.0	930.7	932.3	937.7	943.7	944.3
57.5°	936.1	936.7	944.3	950.8	953.0	947.5	944.3	944.3	950.8	956.2	957.3
60°	944.8	947.0	955.7	963.3	964.4	959.5	953.5	954.6	961.6	967.6	969.3
62.5°	952.4	954.6	962.7	972.0	973.1	966.5	960.6	961.1	969.3	975.2	977.4
65°	956.2	957.8	967.6	976.9	977.9	971.4	964.4	964.9	972.5	979.6	980.1
67.5°	957.3	958.9	969.3	980.1	980.7	973.6	965.5	967.1	974.7	981.8	982.8
70°	956.2	958.4	968.7	980.1	981.2	972.5	964.4	965.5	974.1	981.2	983.4
72.5°	952.4	955.1	965.5	977.4	977.9	969.8	961.6	961.6	971.4	979.0	980.1
75°	947.5	950.2	961.6	973.6	974.1	965.5	956.8	957.8	967.1	974.1	975.2
77.5°	942.1	943.7	955.1	967.6	968.7	959.5	950.8	951.9	960.6	968.2	969.3
80°	933.4	935.0	947.0	958.9	960.0	950.8	941.5	943.7	952.4	959.5	959.5
82.5°	923.1	924.2	936.1	949.2	949.7	940.5	932.3	933.4	942.1	949.2	949.2
85°	911.1	912.8	924.7	937.2	937.2	928.5	919.8	922.0	930.1	936.7	938.8
87.5°	898.1	898.6	910.6	922.0	922.5	913.8	906.2	907.9	916.0	922.0	922.5
90°	882.9	884.0	895.4	906.2	906.8	898.1	891.0	893.2	899.7	905.1	906.8
92.5°	866.0	867.7	878.5	888.8	888.3	880.7	874.7	877.4	882.9	888.3	888.3
95°	848.6	850.8	859.5	869.3	868.2	861.7	856.8	859.0	864.4	868.7	869.8
97.5°	830.2	830.7	839.9	847.0	847.0	841.0	837.2	838.9	844.3	847.0	848.1
100°	810.1	810.6	817.7	824.7	824.7	819.3	816.6	818.2	822.6	824.7	825.3
102.5°	790.0	789.4	795.4	801.4	801.4	797.0	794.9	798.1	800.3	801.9	803.0
105°	767.1	766.6	772.0	777.5	776.4	773.7	771.5	774.2	776.9	778.0	778.0
107.5°	742.2	744.3	747.6	751.9	751.4	749.2	749.2	750.8	752.5	753.0	753.6
110°	721.0	720.4	723.7	725.9	726.4	725.3	726.4	726.9	727.5	727.5	727.5

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REPORT NUMBER: P981303
CATALOG NUMBER: FFX-CLB-50-740-U-VM9-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	696.5	696.5	697.6	699.2	699.8	700.3	700.9	703.0	701.9	702.5	*701.4*
115°	669.9	670.4	671.5	672.1	673.2	673.7	676.4	676.4	677.0	675.9	*674.2*
117.5°	643.3	644.4	643.8	643.3	645.4	647.1	648.7	649.8	649.8	647.6	*646.5*
120°	614.5	613.4	613.4	613.4	615.0	617.7	619.9	620.5	619.9	617.2	*616.7*
122.5°	583.0	584.1	582.4	583.0	583.5	587.3	588.9	590.0	588.4	585.1	*586.2*
125°	550.4	551.5	548.7	548.7	551.5	553.1	554.7	556.3	553.6	552.0	*550.9*
127.5°	515.6	515.6	515.1	513.4	516.7	518.3	521.6	521.6	519.4	517.2	*518.3*
130°	480.3	479.7	480.8	479.7	480.3	483.5	486.3	485.2	484.1	483.0	*483.0*
132.5°	443.9	445.0	443.9	443.3	446.1	447.1	449.9	450.9	448.8	446.1	*447.1*
135°	409.7	409.1	408.6	408.6	410.2	412.9	414.5	414.0	414.0	412.9	*411.8*
137.5°	374.3	376.0	374.9	374.9	376.0	378.7	381.4	380.9	380.3	378.1	*377.1*
140°	342.8	341.7	342.3	342.3	345.0	345.0	347.7	347.7	347.2	345.5	*346.6*
142.5°	311.3	310.8	312.9	311.9	312.9	315.7	316.7	316.2	315.1	315.7	*316.2*
145°	282.5	283.1	282.5	283.1	284.7	286.3	288.5	287.4	287.4	285.8	*285.2*
147.5°	255.4	255.4	254.8	257.0	257.5	259.7	260.2	260.8	259.7	258.6	*260.2*
150°	231.4	230.9	230.9	231.4	232.5	234.2	235.3	235.3	235.8	234.7	*234.2*
152.5°	209.2	208.1	208.6	209.7	210.3	211.9	211.9	213.0	212.4	211.9	*211.9*
155°	189.1	189.6	189.6	190.2	191.2	191.8	192.9	192.3	192.9	192.3	*192.3*
157.5°	172.8	173.9	173.9	174.4	173.9	174.4	174.9	175.5	175.5	175.5	*175.5*
160°	159.7	159.2	159.2	159.2	159.2	159.7	160.8	160.3	160.8	160.3	*159.7*
162.5°	147.8	147.8	147.8	147.8	148.3	148.3	148.3	148.9	148.3	148.3	*148.3*
165°	138.0	138.5	138.0	138.0	138.0	138.5	138.5	138.5	138.5	138.5	*138.5*
167.5°	130.4	130.9	130.9	130.9	130.9	130.9	131.5	130.9	130.9	130.9	*130.9*
170°	124.4	125.0	125.0	124.4	125.0	124.4	124.4	125.0	124.4	124.4	*124.4*
172.5°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	119.5	*119.5*
175°	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	*116.3*
177.5°	114.1	114.1	114.6	114.1	114.1	114.1	114.1	114.1	114.1	114.1	*114.1*
180°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	*113.6*

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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: SP1-2501-332-1

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

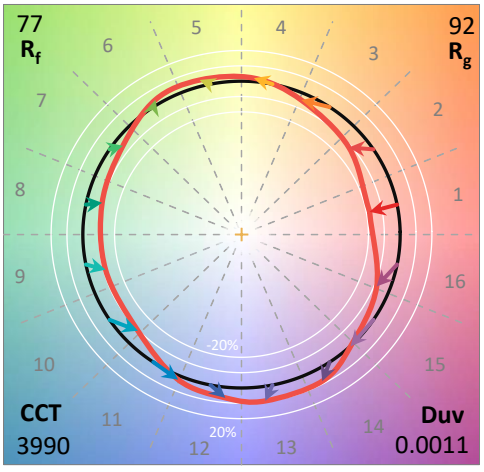
Test Information

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



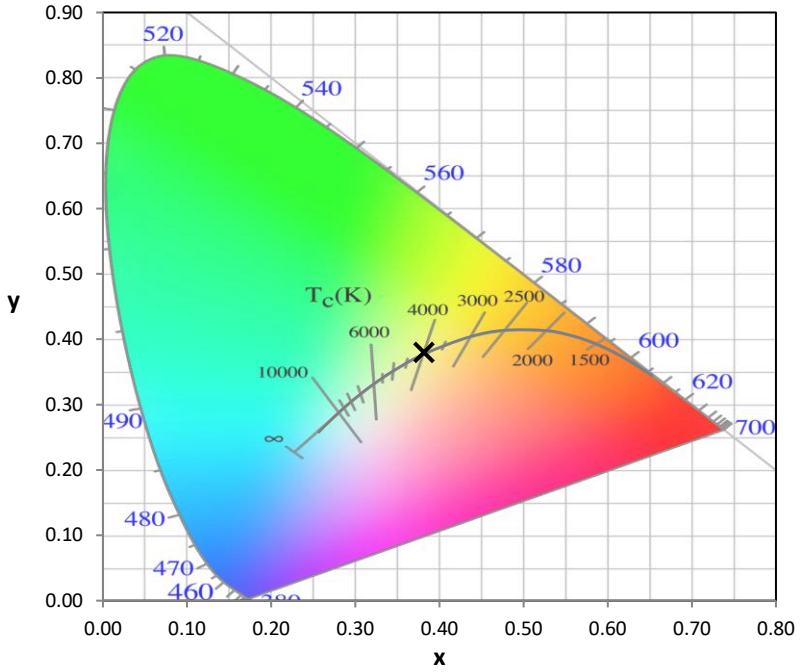
Test Conditions

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

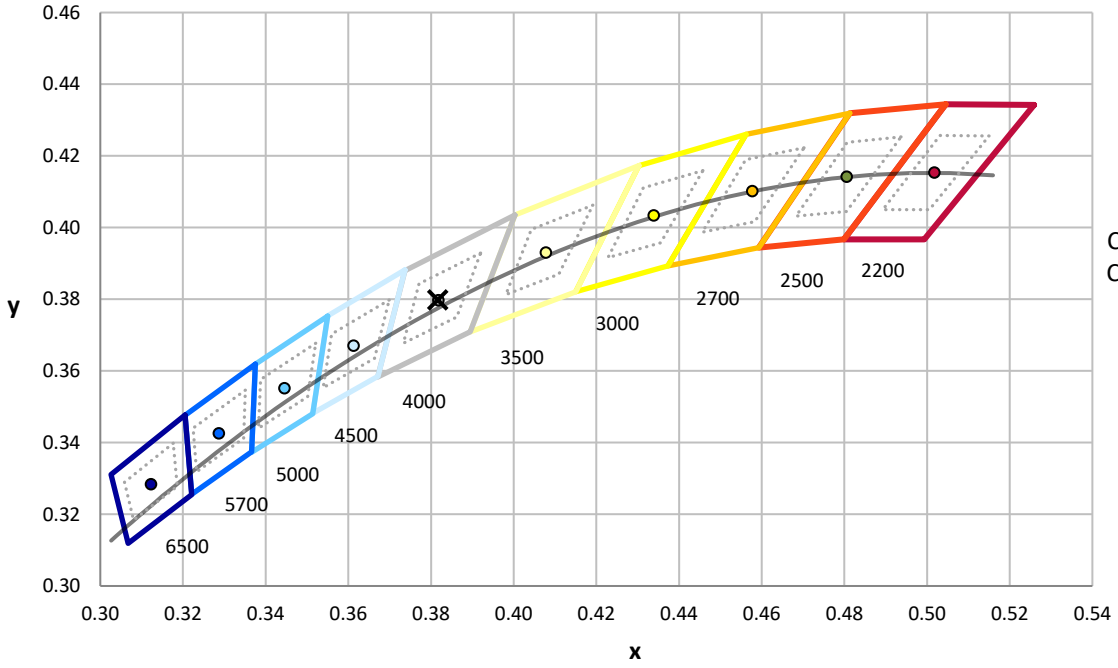
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

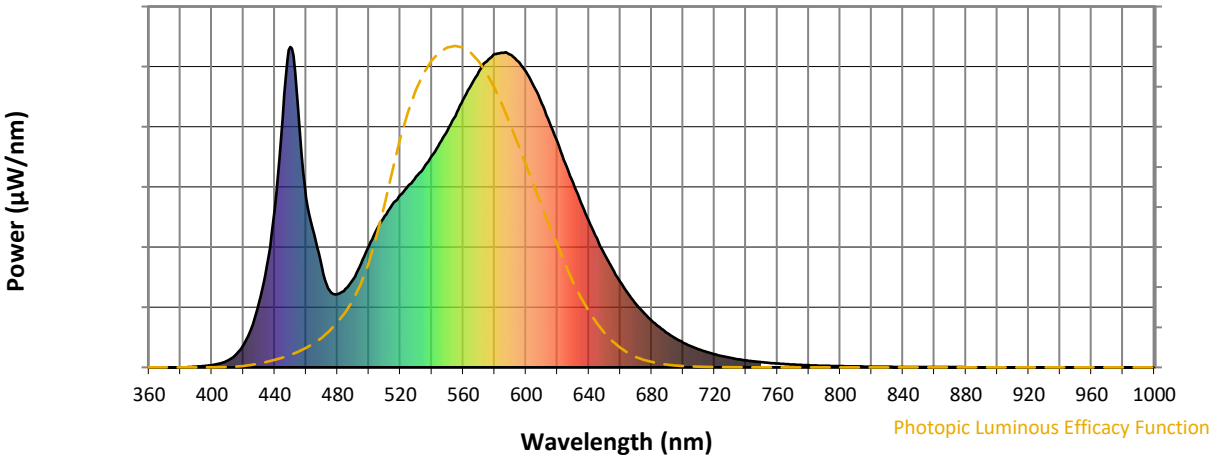


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

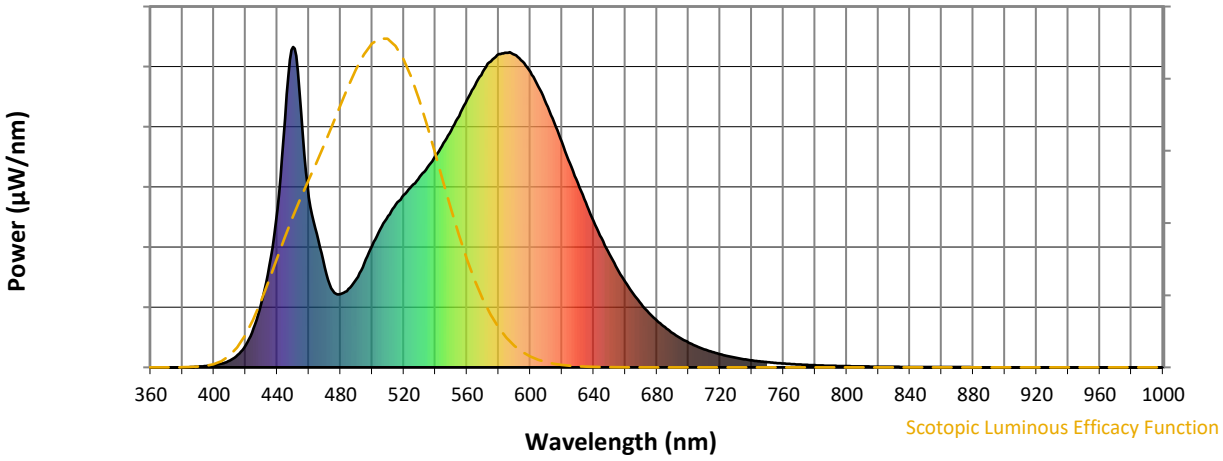


Photopic Lumens: NR

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

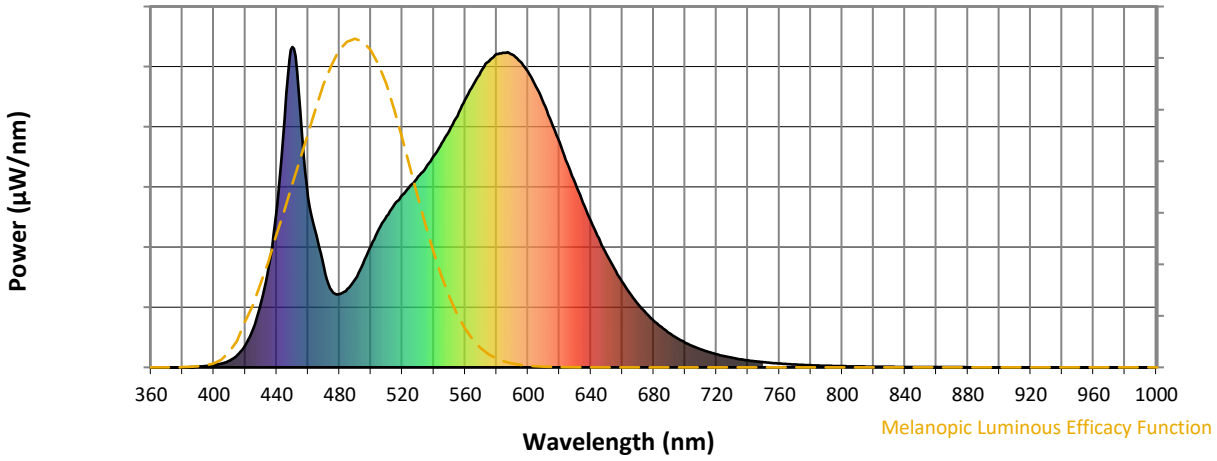


Scotopic Lumens: NR **S/P: 1.59**

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			

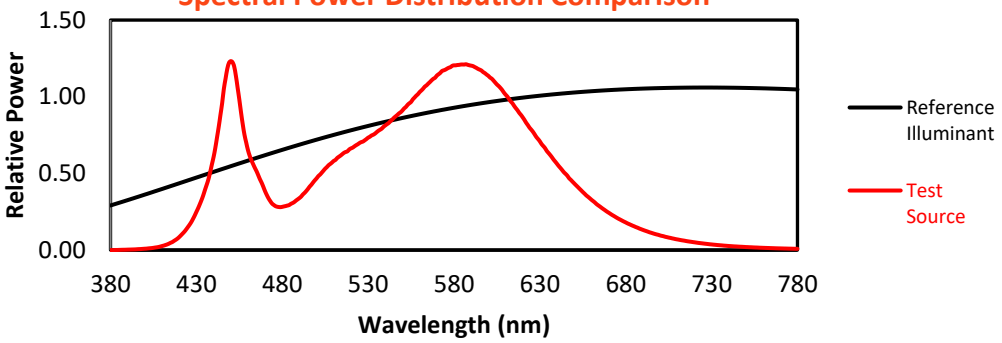
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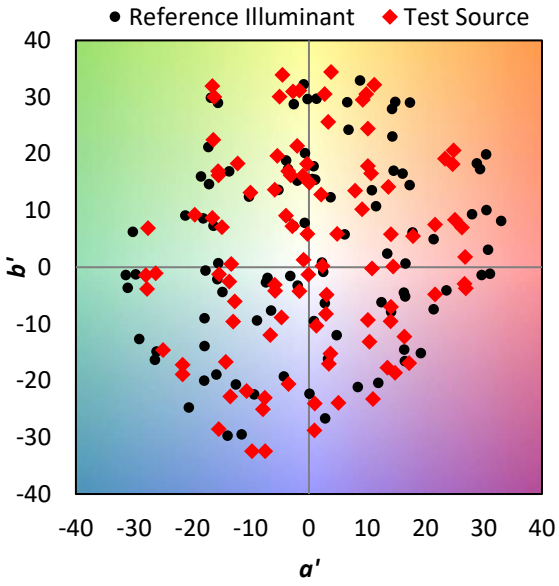
Summary

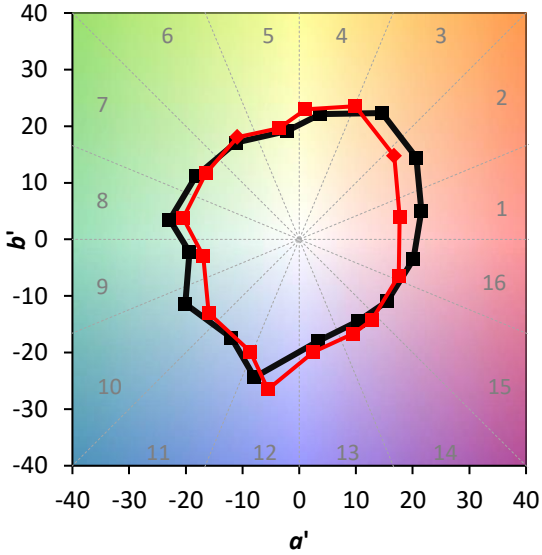
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

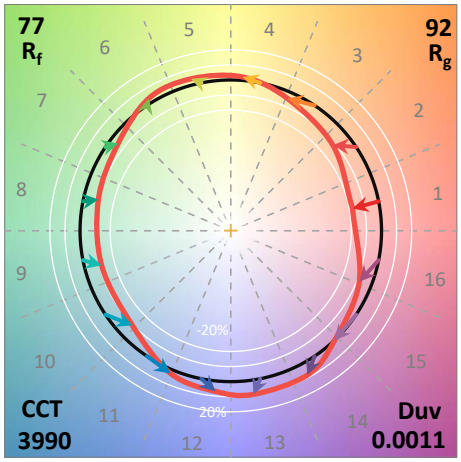
Spectral Power Distribution Comparison

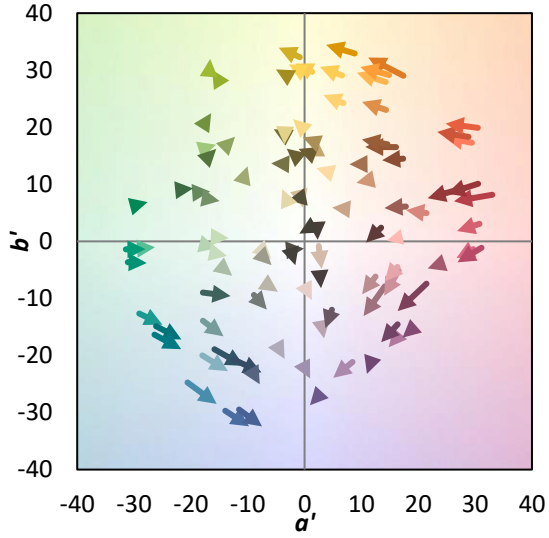


Color Vector Graphics







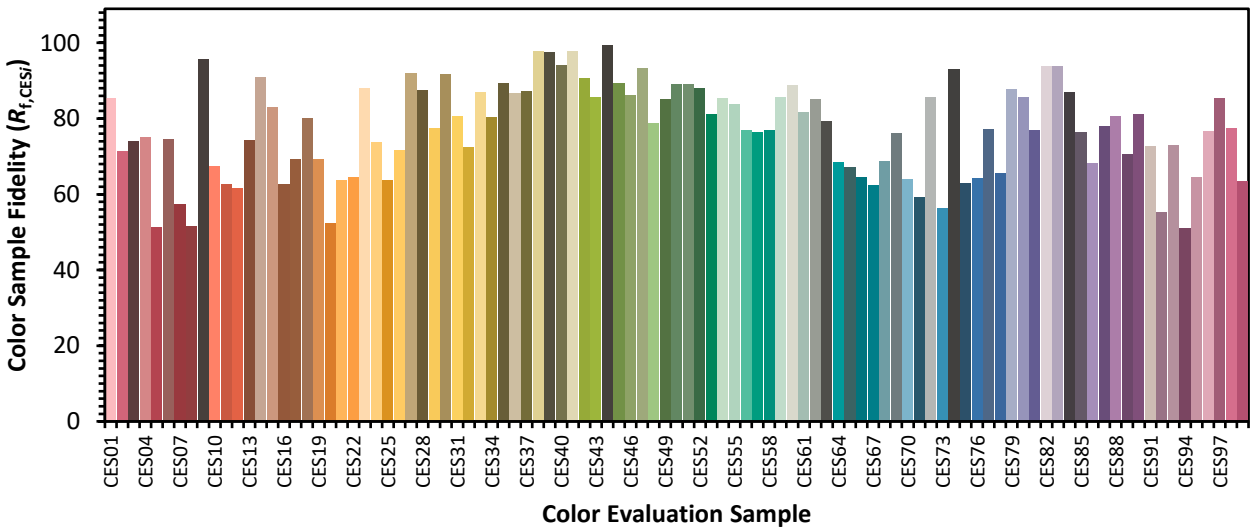


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Individual Sample Fidelity Index ($R_{f,i}$)

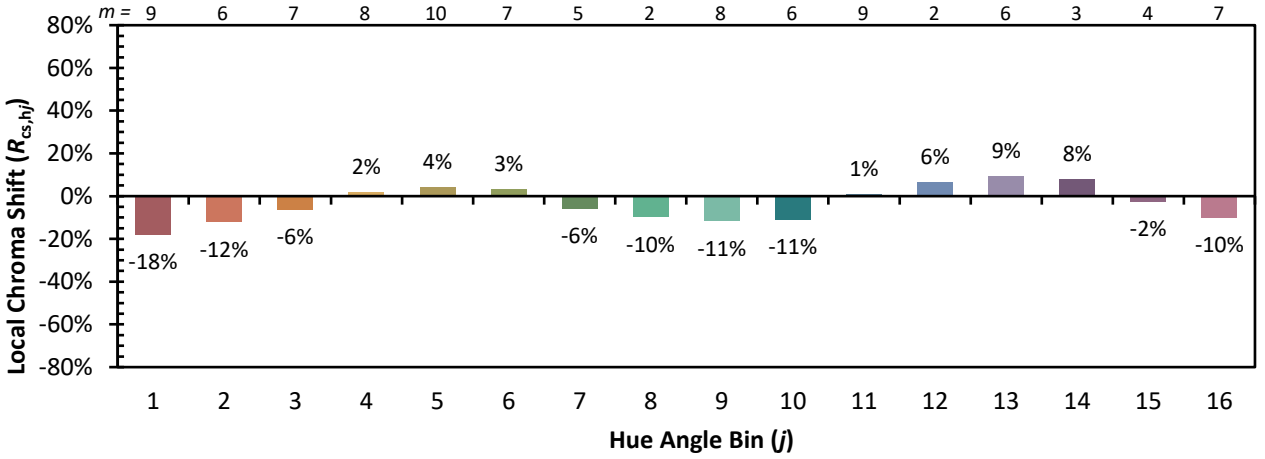
CES01 = 85	CES26 = 72	CES51 = 89	CES76 = 64
CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 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	

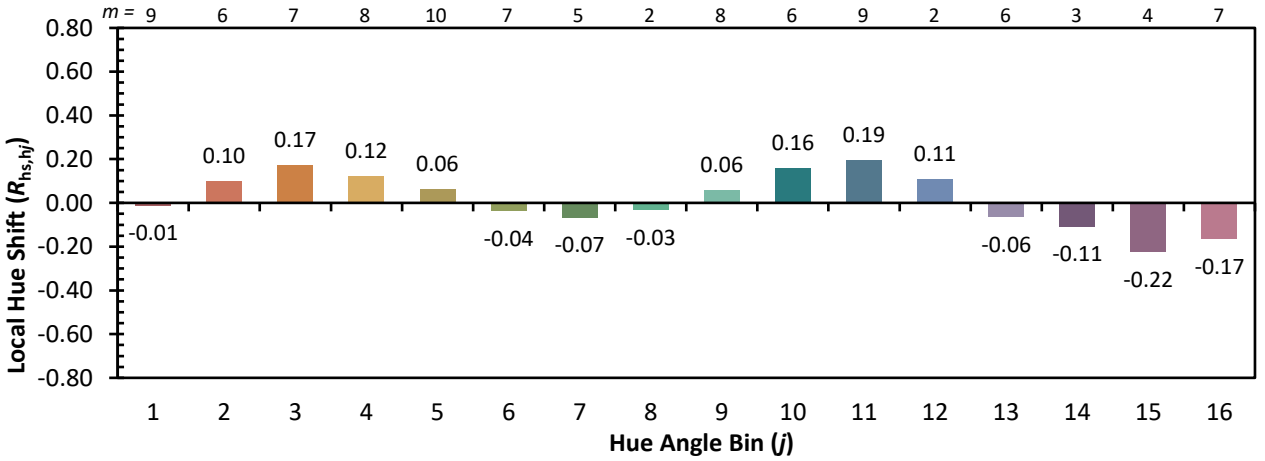


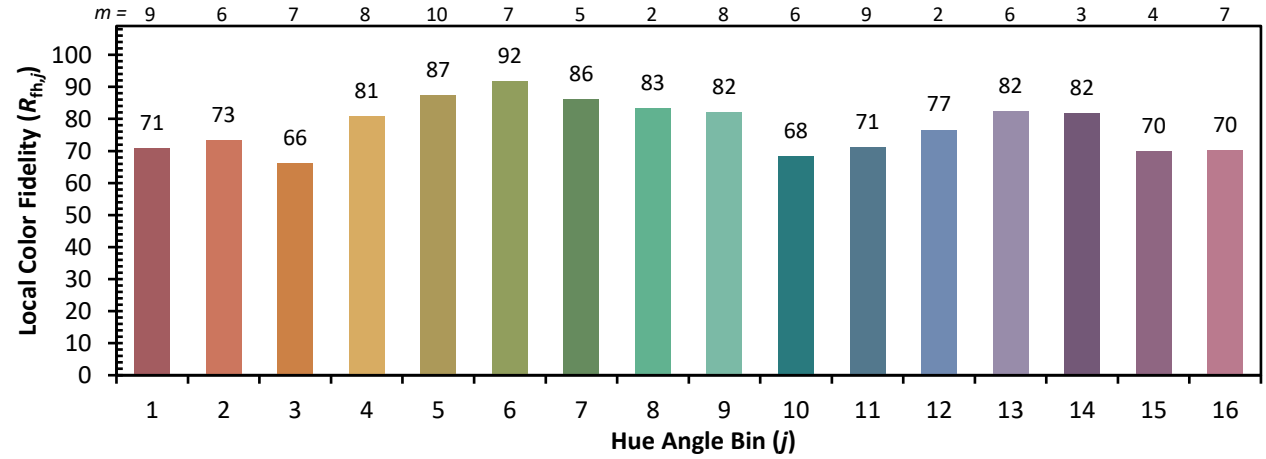
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Color Rendition by Hue-Angle Bin



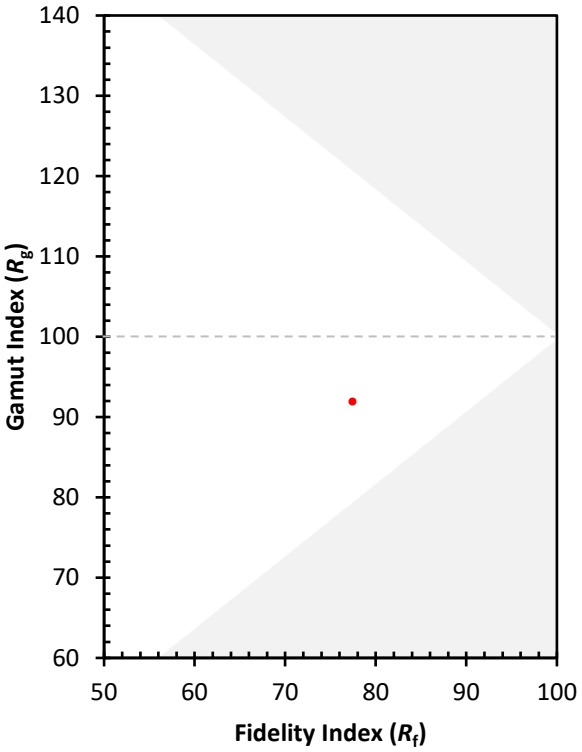


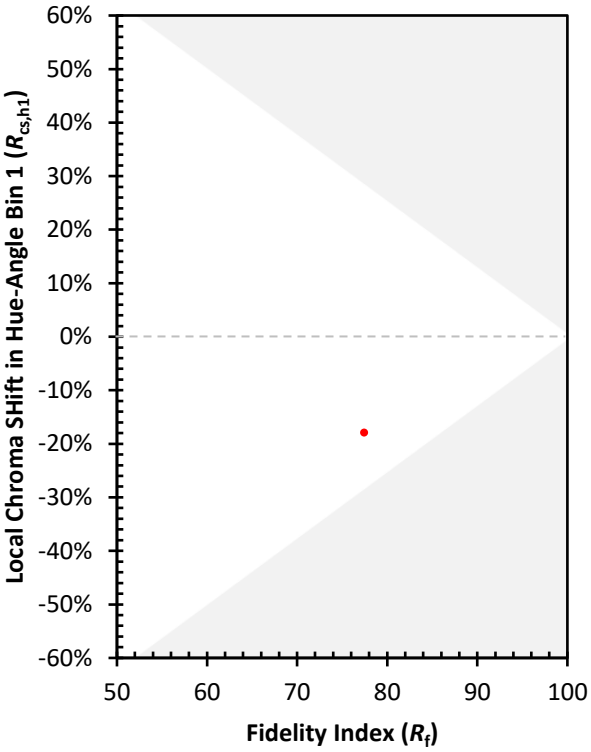


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Measure Comparisons





(END OF REPORT)