

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: P856366

Luminaire Tested: **FFX-CLB-60-750-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856366
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-750-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

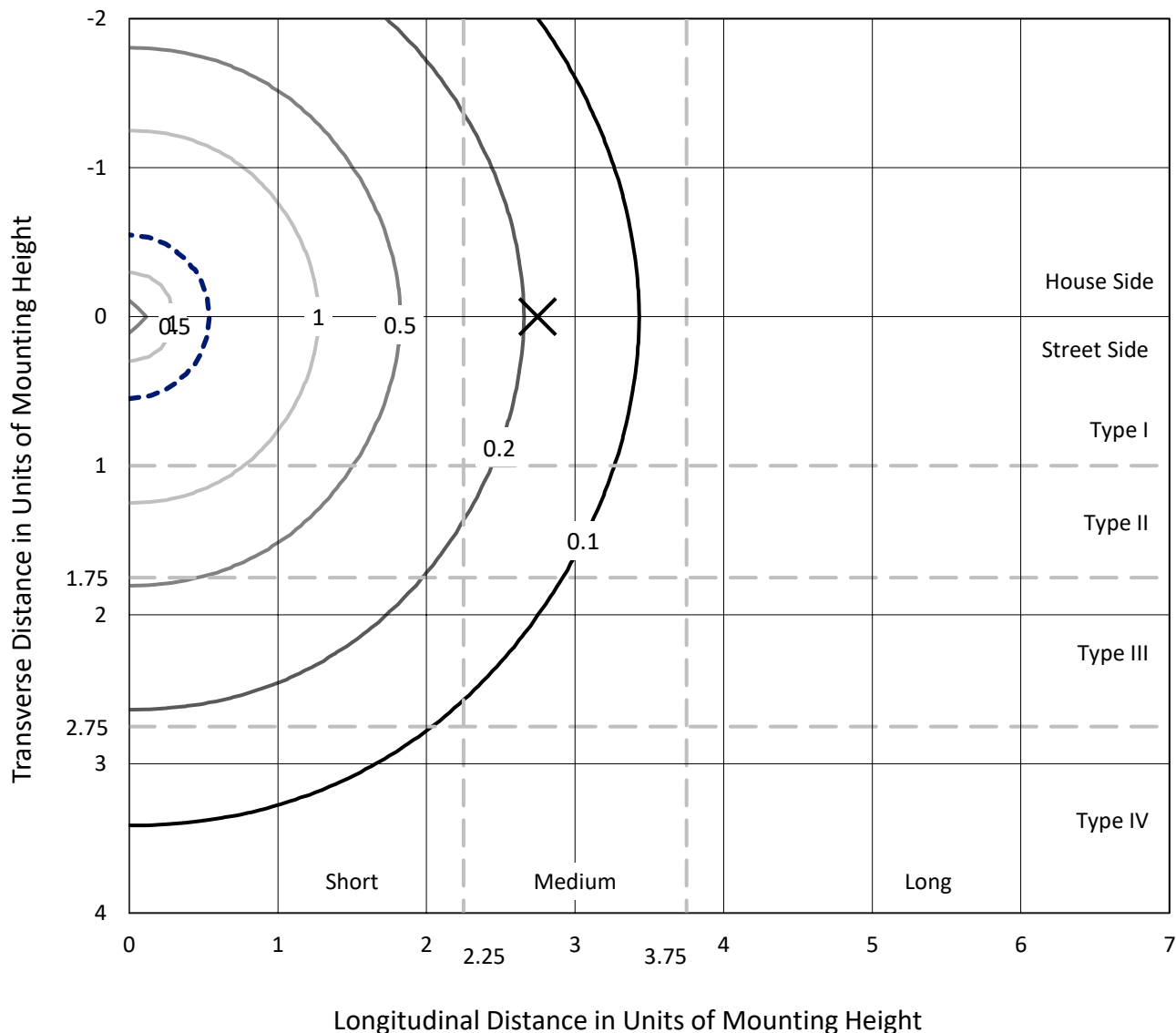
Lumens per Lamp: N/A
Luminaire Lumens: 9489.4 lumens
Efficiency: N/A
Efficacy: 158.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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 CATALOG NUMBER: FFX-CLB-60-750-U-VM8

Iso-Footcandle Lines of Horizontal Illumination

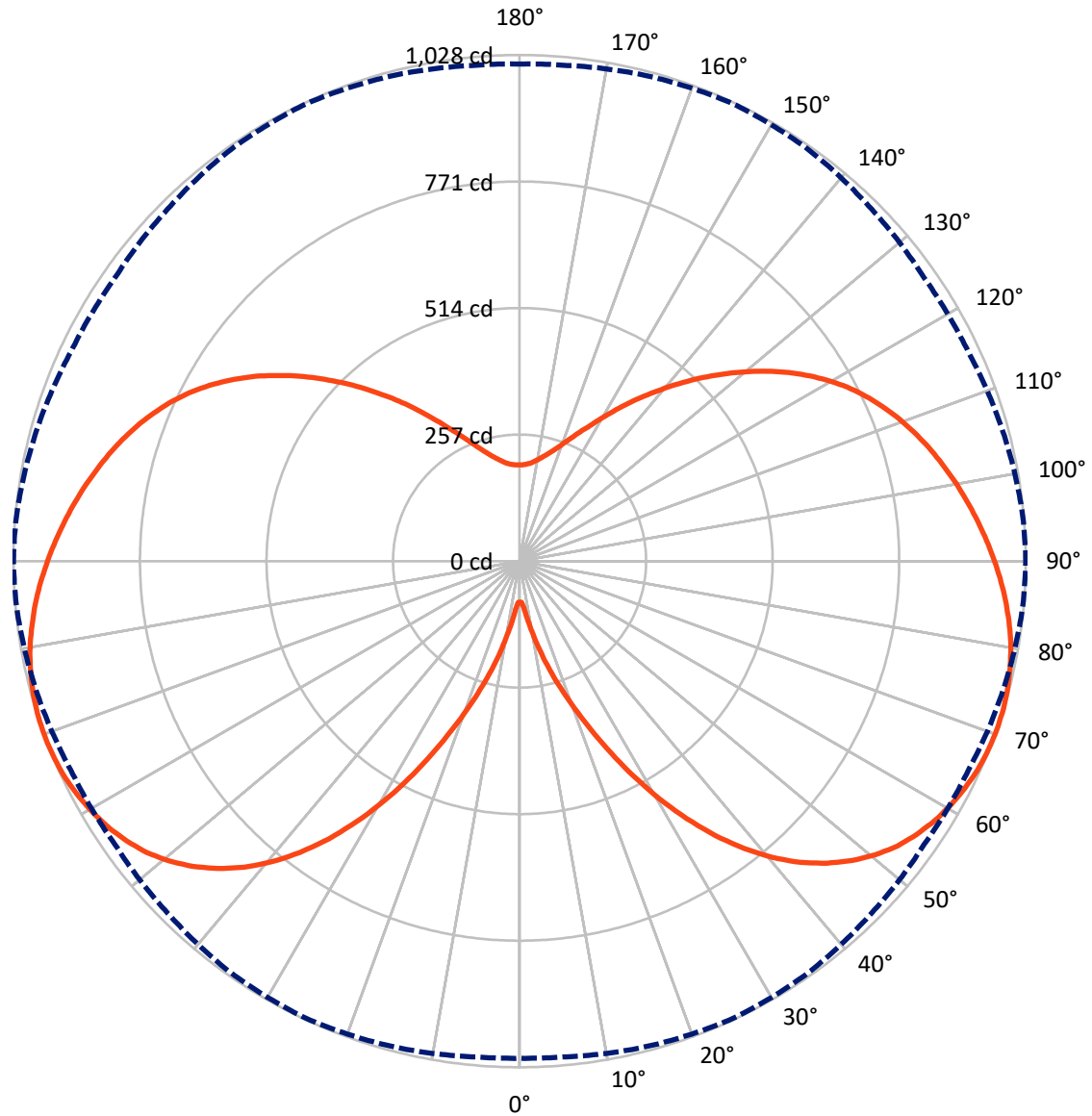
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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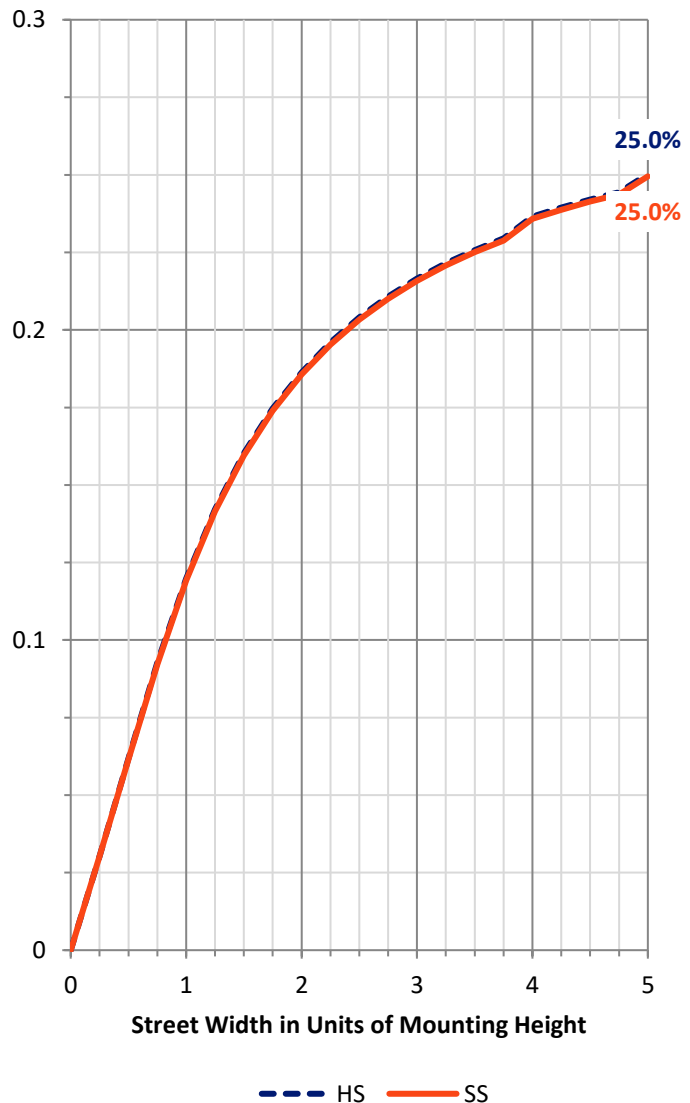
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2687.3	2057.4	4744.7
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	2687.3	2057.4	4744.7
	% Fixture	28.3	21.7	50.0
Total	Lumens	5374.6	4114.8	9489.4
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.1
10°-20°	67.9	0.7
20°-30°	202.7	2.1
30°-40°	423.8	4.5
40°-50°	665.2	7.0
50°-60°	863.4	9.1
60°-70°	999.5	10.5
70°-80°	1070.0	11.3
80°-90°	1070.9	11.3
90°-100°	1009.9	10.6
100°-110°	903.6	9.5
110°-120°	759.8	8.0
120°-130°	582.8	6.1
130°-140°	398.7	4.2
140°-150°	243.3	2.6
150°-160°	133.0	1.4
160°-170°	64.5	0.7
170°-180°	19.2	0.2
0°-90°	5374.6	56.6
0°-180°	9489.4	100.0

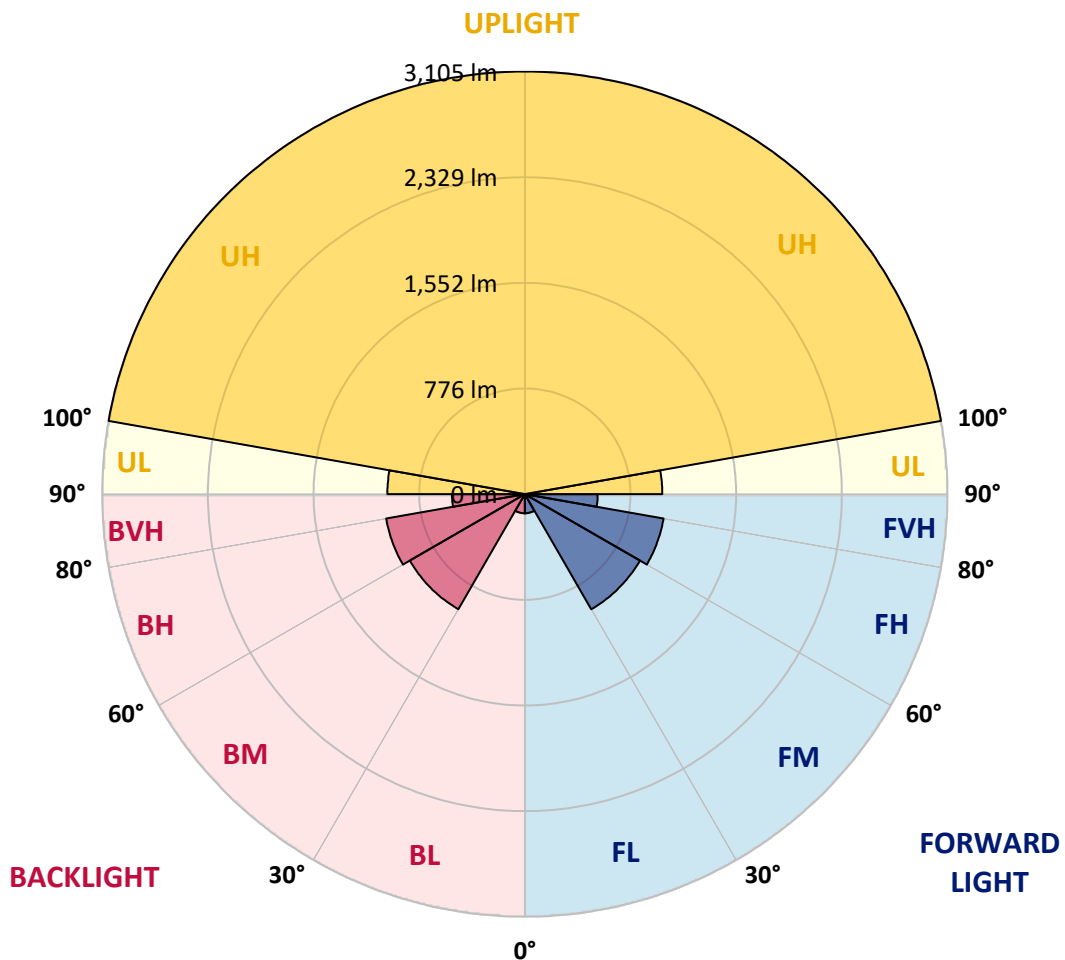


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 CATALOG NUMBER: FFX-CLB-60-750-U-VM8

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.9	1.5			
FM (30°-60°)	976.2	10.3			
FH (60°-80°)	1034.7	10.9			G1/1800
FVH (80°-90°)	535.4	5.6			G4/750
BL (0°-30°)	140.9	1.5	B1/500		
BM (30°-60°)	976.2	10.3	B1/1000		
BH (60°-80°)	1034.7	10.9	B3/2500		G1/1800
BVH (80°-90°)	535.4	5.6			G4/750
UL (90°-100°)	1009.9	10.6		U5	
UH (100°-180°)	3104.9	32.7		U5	

BUG Rating: B3-U5-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2.5°	87.0	87.0	86.4	86.4	85.8	85.1	85.1	85.1	84.5	84.5	83.9
5°	99.1	98.5	98.5	97.9	98.5	97.9	97.9	97.9	97.9	96.7	96.7
7.5°	122.8	122.2	122.2	121.6	122.8	121.6	121.6	122.2	122.2	121.6	121.6
10°	153.9	153.3	153.3	152.0	153.3	152.6	152.6	151.4	152.0	151.4	152.0
12.5°	191.0	189.1	189.1	188.5	189.7	189.1	188.5	187.3	188.5	187.9	187.9
15°	229.3	229.9	229.3	228.7	229.9	229.9	229.3	228.1	229.3	228.1	228.7
17.5°	271.8	271.8	271.8	270.0	271.8	272.5	271.8	270.6	271.2	271.8	271.8
20°	318.1	318.1	318.7	317.5	320.5	318.7	318.1	317.5	318.1	318.7	319.3
22.5°	369.2	369.2	369.8	369.2	371.0	371.0	370.4	370.4	371.0	372.2	372.2
25°	425.7	426.3	426.3	424.5	428.8	430.0	428.8	428.8	430.0	431.8	431.8
27.5°	484.1	486.5	485.3	485.3	490.8	491.4	490.8	491.4	493.2	495.0	495.7
30°	544.3	546.1	548.6	546.7	552.8	553.4	554.0	554.6	557.1	560.1	560.1
32.5°	604.5	606.3	607.6	607.6	615.5	614.9	614.2	616.7	620.3	621.5	623.4
35°	664.7	664.7	665.9	666.5	674.5	673.8	675.1	676.9	680.5	683.0	684.2
37.5°	718.9	717.6	720.7	721.9	728.0	728.6	729.2	732.2	736.5	739.5	740.7
40°	768.1	766.9	770.5	772.4	777.8	777.8	779.1	782.7	787.6	790.6	791.2
42.5°	811.9	811.3	814.9	817.4	822.8	822.2	821.6	826.5	832.0	835.6	836.8
45°	849.6	849.0	853.9	856.9	861.2	859.9	859.9	864.2	870.3	874.5	875.1
47.5°	881.8	881.8	887.3	891.0	894.6	892.8	891.6	895.8	901.9	908.0	908.6
50°	910.4	909.8	915.9	920.2	923.2	920.8	918.9	923.2	929.9	936.0	937.2
52.5°	932.9	934.1	940.2	945.7	948.1	944.5	941.4	945.7	953.0	959.7	960.9
55°	952.4	953.0	959.7	966.4	967.6	962.7	959.1	962.7	970.6	977.9	979.1
57.5°	967.6	968.8	976.7	982.8	983.4	977.9	973.7	976.7	985.2	992.5	994.3
60°	981.0	982.2	989.5	996.2	996.8	990.1	984.6	987.1	996.2	1004.7	1005.9
62.5°	991.3	993.1	1001.0	1007.1	1007.1	999.2	992.5	995.0	1004.7	1013.8	1015.0
65°	999.8	1001.6	1009.6	1015.6	1015.0	1005.9	998.6	1001.0	1011.4	1020.5	1022.3
67.5°	1005.9	1007.1	1015.6	1021.7	1019.3	1009.6	1002.3	1004.1	1015.0	1024.1	1026.0
70°	1009.6	1010.8	1019.3	1024.8	1021.1	1010.8	1002.9	1005.3	1016.2	1026.0	1027.8
72.5°	1011.4	1013.2	1021.1	1026.0	1021.7	1010.2	1001.6	1004.7	1015.6	1026.0	1027.2
75°	1010.8	1012.0	1019.9	1024.1	1018.7	1007.7	998.6	1001.6	1013.2	1022.3	1024.1
77.5°	1007.7	1008.9	1016.2	1019.9	1013.2	1002.3	993.7	996.8	1007.7	1016.9	1018.7
80°	1002.9	1004.1	1010.8	1013.2	1006.5	995.6	987.7	990.7	1001.0	1009.6	1011.4
82.5°	995.0	996.8	1002.9	1004.1	996.8	987.1	979.1	982.2	991.9	999.8	1001.0
85°	985.2	986.4	991.9	992.5	985.2	976.7	970.0	973.1	981.6	987.7	989.5
87.5°	974.3	974.3	979.8	979.8	971.8	963.9	959.1	961.5	969.4	974.3	976.1
90°	960.9	961.5	965.2	964.5	957.3	950.6	946.3	949.3	956.0	960.3	961.5
92.5°	946.3	946.9	950.0	948.7	941.4	936.0	932.3	936.0	942.0	945.1	946.3
95°	930.5	931.1	933.5	931.1	924.4	920.2	917.1	921.4	926.2	929.3	930.5
97.5°	914.1	914.7	916.5	914.1	906.8	903.1	901.9	905.6	910.4	912.9	914.1
100°	897.0	897.0	898.3	894.6	888.5	885.5	884.9	889.1	894.0	896.4	897.7
102.5°	878.2	878.8	878.8	875.1	869.1	867.2	867.2	872.1	877.0	878.8	880.0
105°	858.7	858.7	858.7	855.7	849.0	847.8	848.4	853.3	858.7	861.2	862.4
107.5°	837.4	838.1	836.8	833.8	828.3	827.1	828.3	835.0	839.9	842.3	843.5
110°	814.9	815.5	814.9	811.3	806.4	805.8	807.6	814.3	819.2	821.6	823.5



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 CATALOG NUMBER: FFX-CLB-60-750-U-VM8

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	791.2	791.8	791.2	788.2	783.3	783.3	785.7	792.4	797.9	799.7	801.6
115°	766.3	766.9	765.7	763.2	758.4	759.6	762.0	768.7	774.2	776.0	778.5
117.5°	739.5	740.1	739.5	736.5	732.2	733.4	737.1	743.8	748.7	750.5	752.9
120°	710.3	710.3	710.3	707.3	703.0	705.5	709.1	716.4	720.7	721.9	724.3
122.5°	680.5	679.3	679.3	677.5	672.6	675.7	679.3	686.6	690.9	691.5	693.3
125°	647.7	648.3	646.5	645.3	641.0	644.7	647.7	655.0	658.6	659.3	661.1
127.5°	612.4	614.2	612.4	610.6	607.6	611.2	614.9	621.5	624.6	625.2	626.4
130°	579.6	579.6	577.8	576.5	573.5	577.1	580.8	586.9	589.9	589.9	591.1
132.5°	546.7	544.9	544.3	543.1	539.4	543.7	546.1	552.2	554.6	554.0	555.3
135°	510.9	510.9	509.0	508.4	505.4	509.6	512.1	517.5	519.4	518.8	520.0
137.5°	477.4	477.4	476.2	475.0	473.2	476.8	479.2	483.5	485.3	483.5	485.3
140°	444.6	444.6	444.0	442.7	440.9	444.6	446.4	450.0	451.9	450.0	451.3
142.5°	414.2	412.9	412.3	411.7	409.3	412.9	414.2	417.8	418.4	417.2	419.0
145°	381.9	382.5	381.9	381.3	379.5	382.5	383.8	386.8	387.4	386.2	388.0
147.5°	355.2	353.3	354.0	353.3	351.5	354.6	355.2	357.0	358.2	357.0	358.2
150°	328.4	327.2	327.2	326.6	325.4	327.8	328.4	330.2	330.8	329.6	330.8
152.5°	304.7	304.1	304.1	303.5	302.3	304.1	304.7	305.9	306.5	305.3	305.9
155°	283.4	282.8	282.8	282.2	281.0	282.8	282.8	284.0	284.6	284.0	284.6
157.5°	264.6	263.9	263.9	263.9	262.7	263.9	263.9	265.2	265.2	264.6	265.2
160°	249.3	248.1	248.7	248.1	246.9	248.1	248.1	248.7	248.7	248.7	248.7
162.5°	235.4	235.4	235.4	234.8	234.1	234.8	234.8	235.4	235.4	235.4	234.8
165°	224.4	224.4	224.4	223.8	223.2	223.8	223.8	223.8	223.8	223.8	223.8
167.5°	215.3	214.7	215.3	214.7	214.1	214.7	214.7	214.7	214.7	214.7	214.7
170°	207.4	207.4	207.4	207.4	206.8	207.4	207.4	207.4	207.4	207.4	207.4
172.5°	202.5	201.9	201.9	201.9	201.3	201.9	201.3	201.9	201.3	201.9	201.3
175°	198.3	198.3	198.3	198.3	197.7	197.7	197.7	197.7	197.7	197.7	197.7
177.5°	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8
180°	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2

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: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

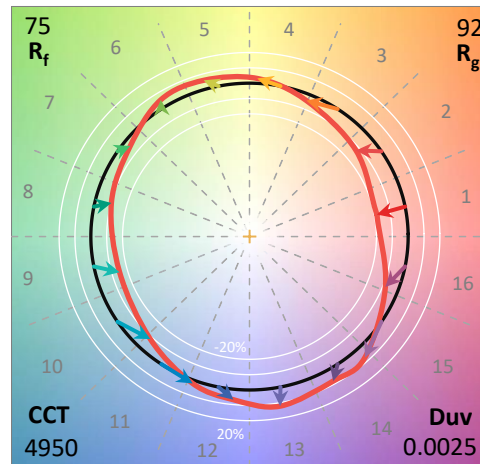
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-5
 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-100-750-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 4950
 CIE u': 0.2102
 CIE v': 0.4882
 Duv: 0.0025
 CIE x: 0.3471
 CIE y: 0.3583
 CIE z: 0.2946
 Peak Wavelength (nm): 452
 Dominant Wavelength (nm): 571
 Purity: 11.64963
 Rf: 74.8
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



Test Conditions

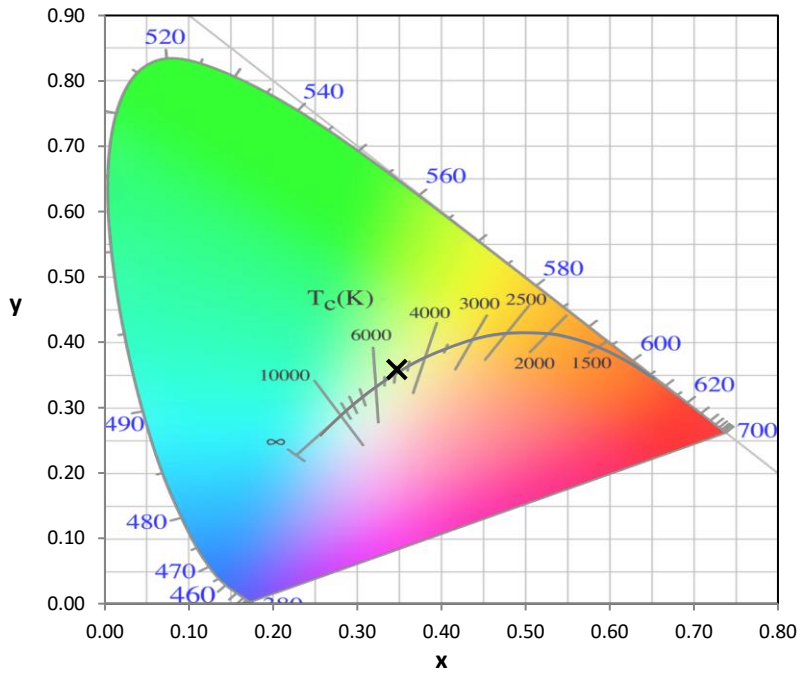
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-5

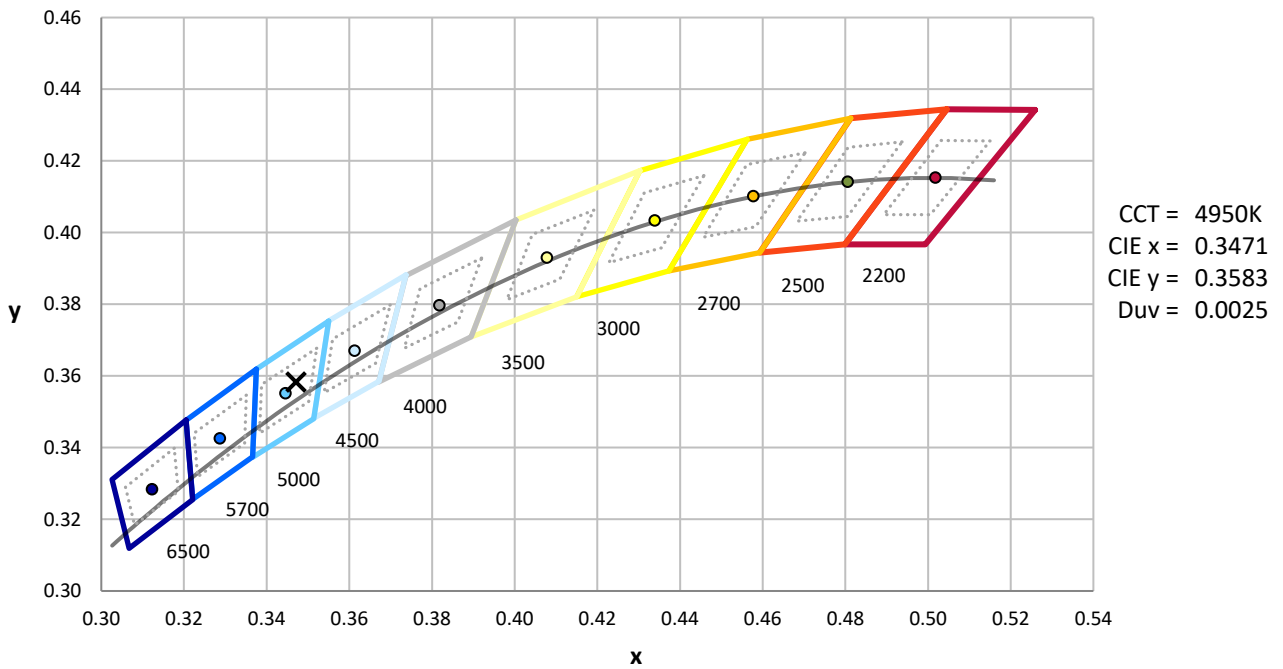
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



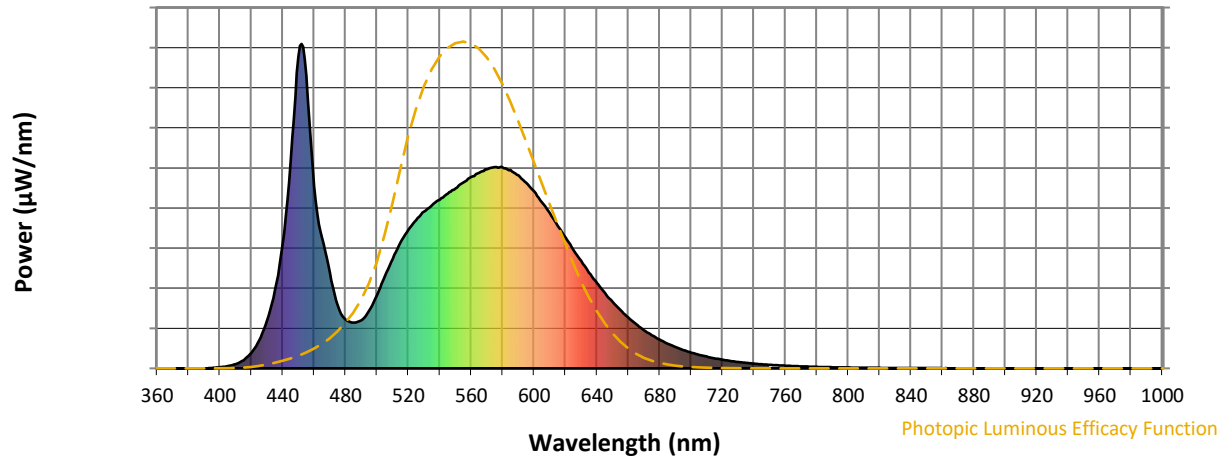
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

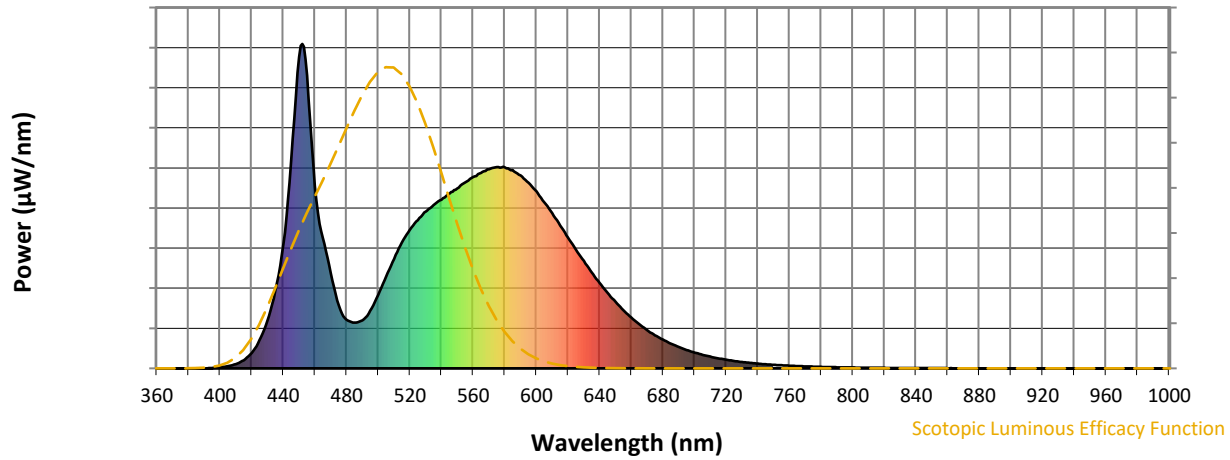


Photopic Lumens: NR

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.8

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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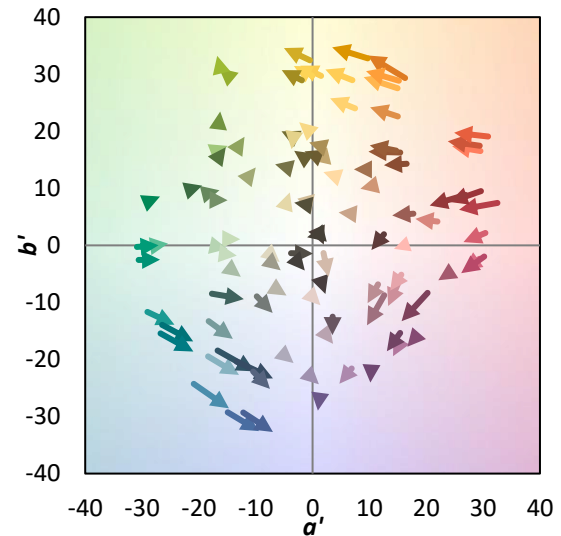
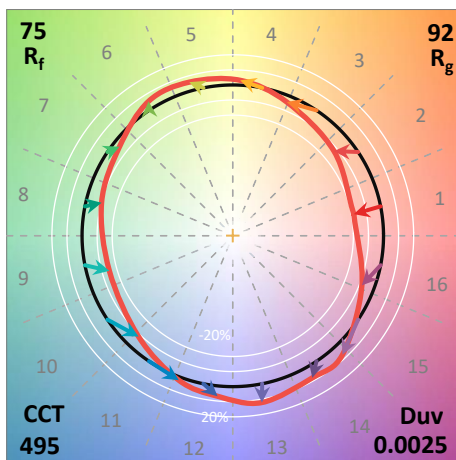
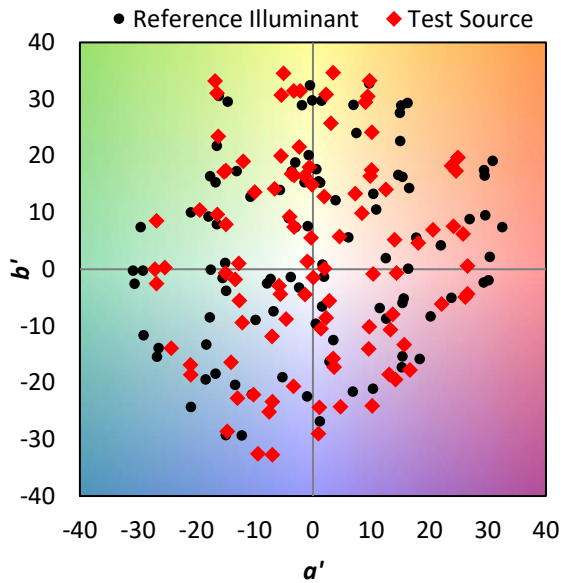
TM-30-18

Summary

$R_f = 74.8$
 $R_g = 92.4$
 CIE $R_a = 73.0$
 $R_9 = -35.4$



Color Vector Graphics

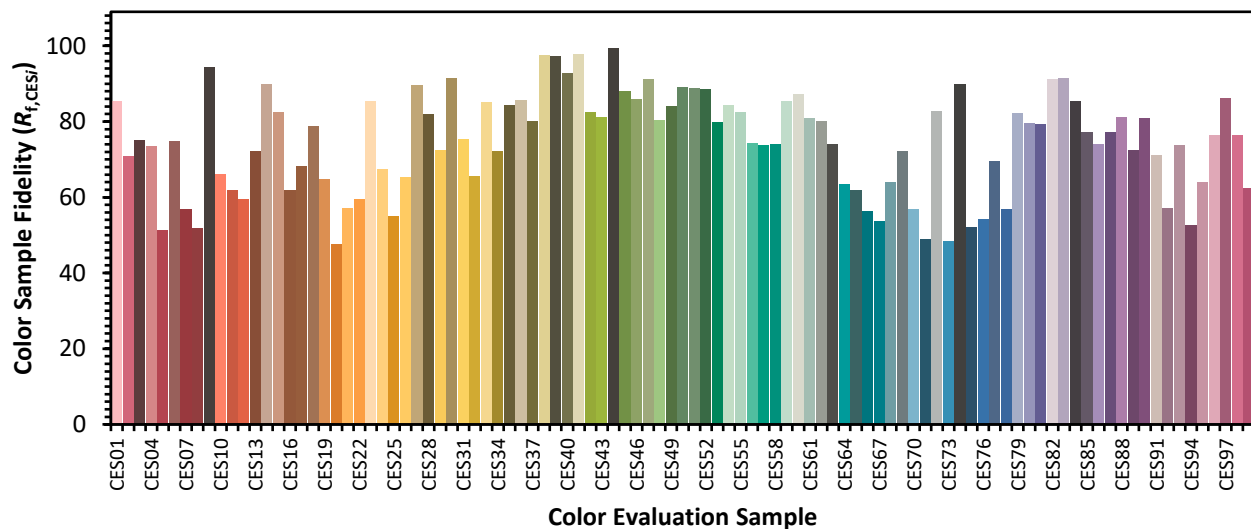


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Individual Sample Fidelity Index ($R_{f,i}$)

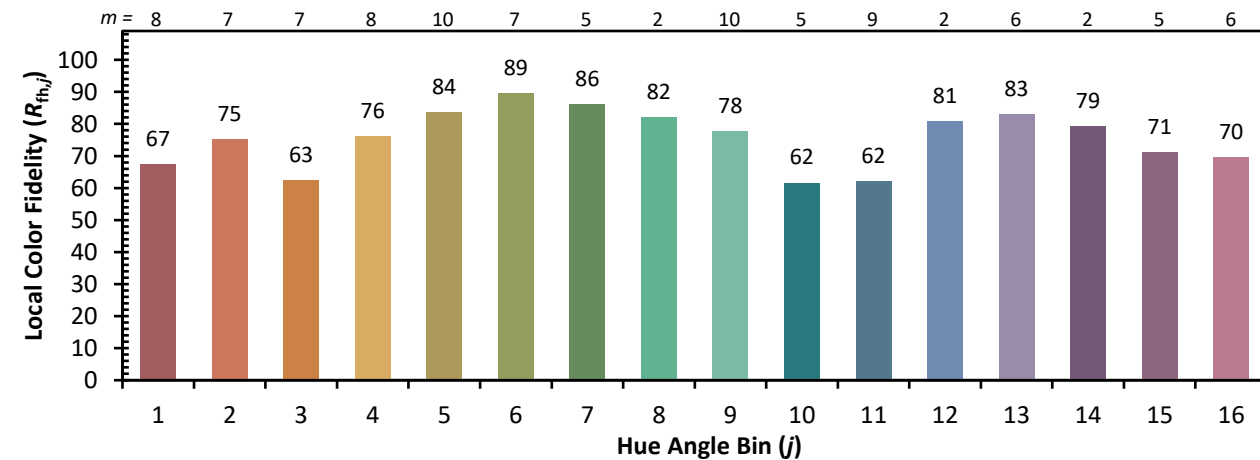
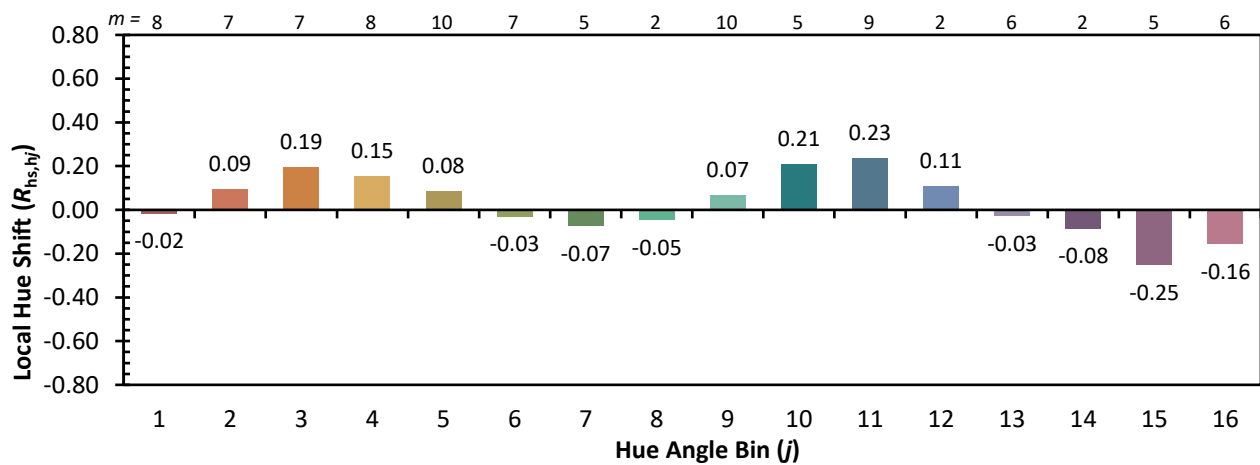
CES01 = 85	CES26 = 65	CES51 = 89	CES76 = 54
CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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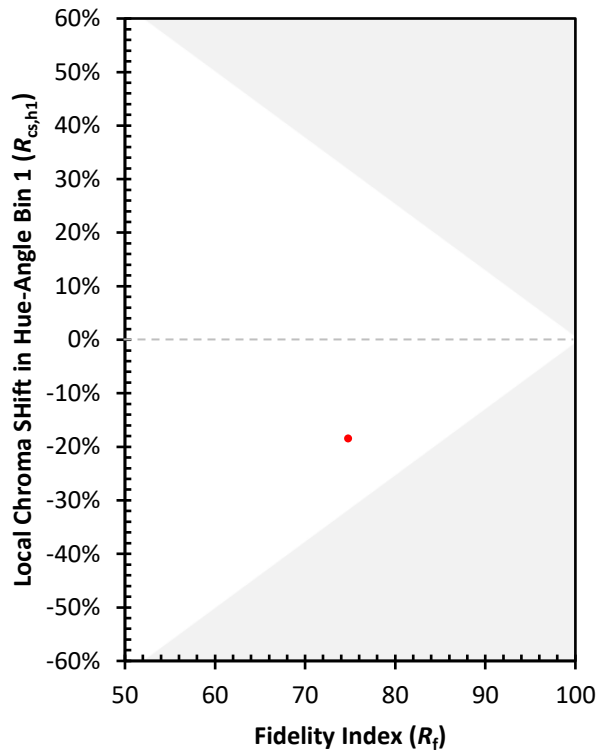
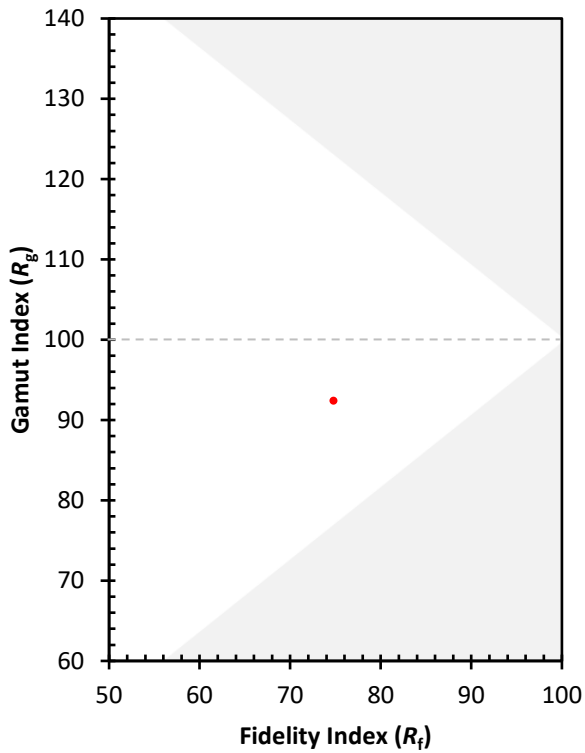
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)