

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: P856393

Luminaire Tested: **FFX-CLB-60-730-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856393
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-730-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

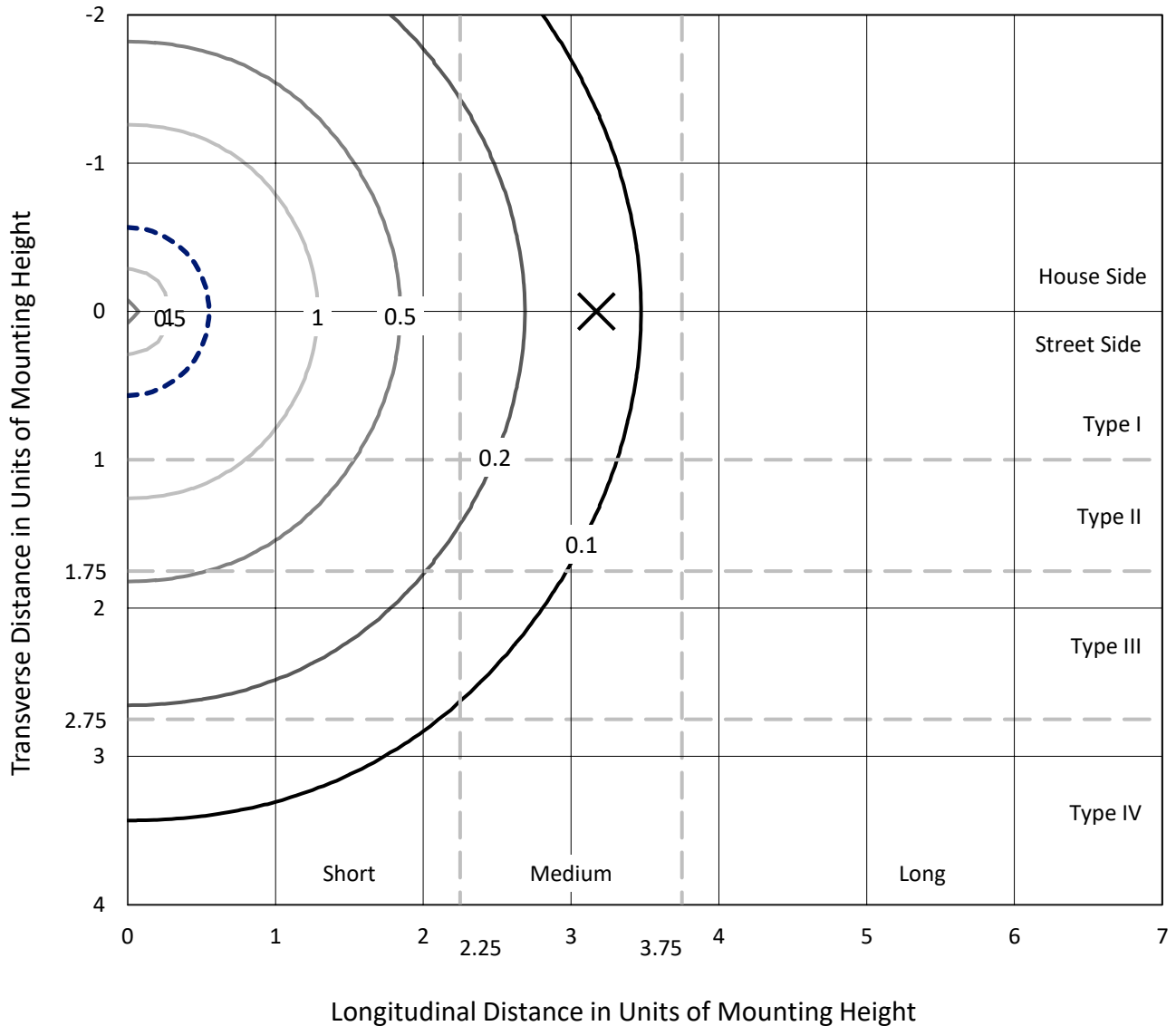
Lumens per Lamp: N/A
Luminaire Lumens: 9381.9 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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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Iso-Footcandle Lines of Horizontal Illumination

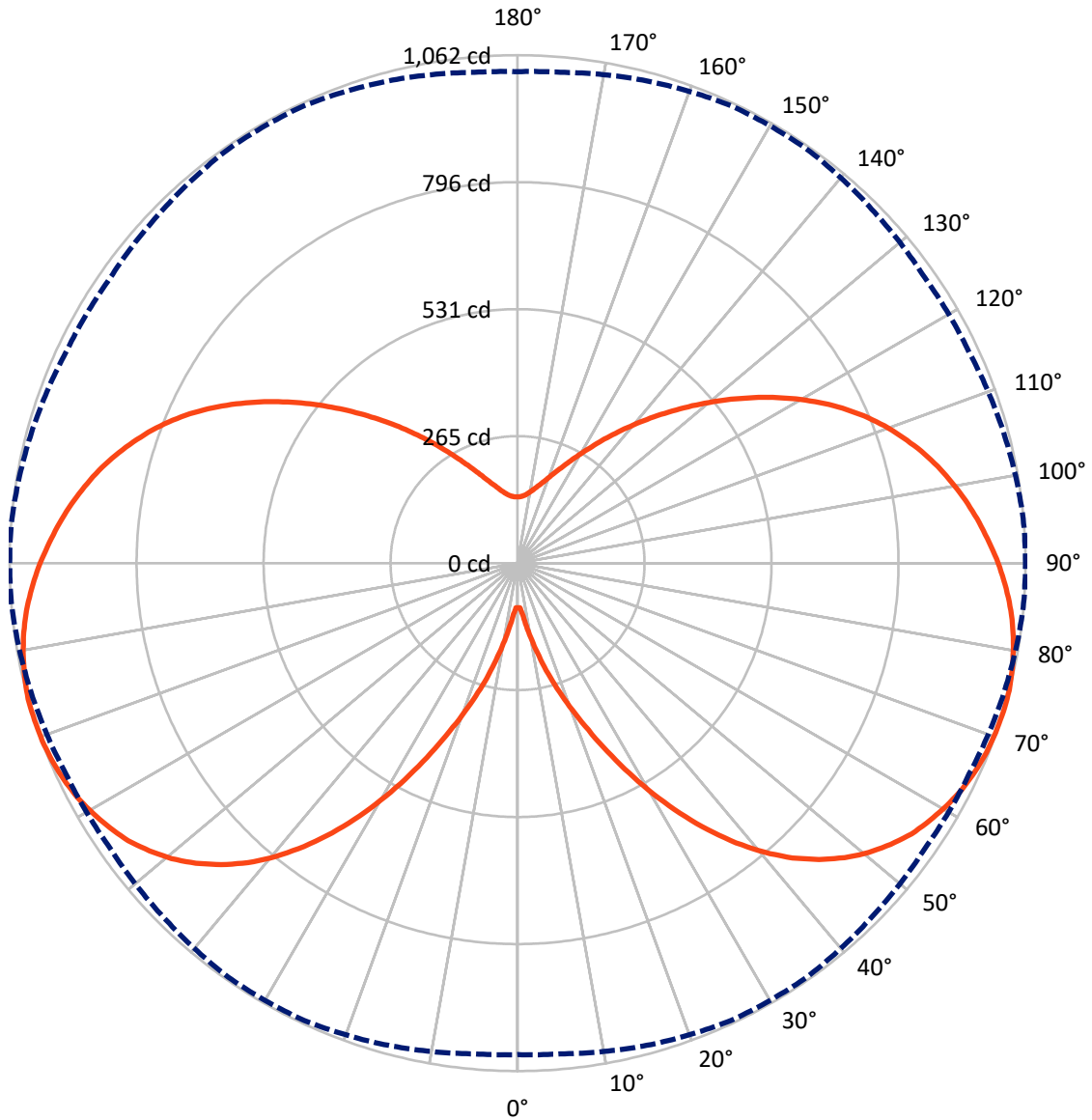
× Max cd
 - - - 1/2 Max cd



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 72.5-Deg Vertical

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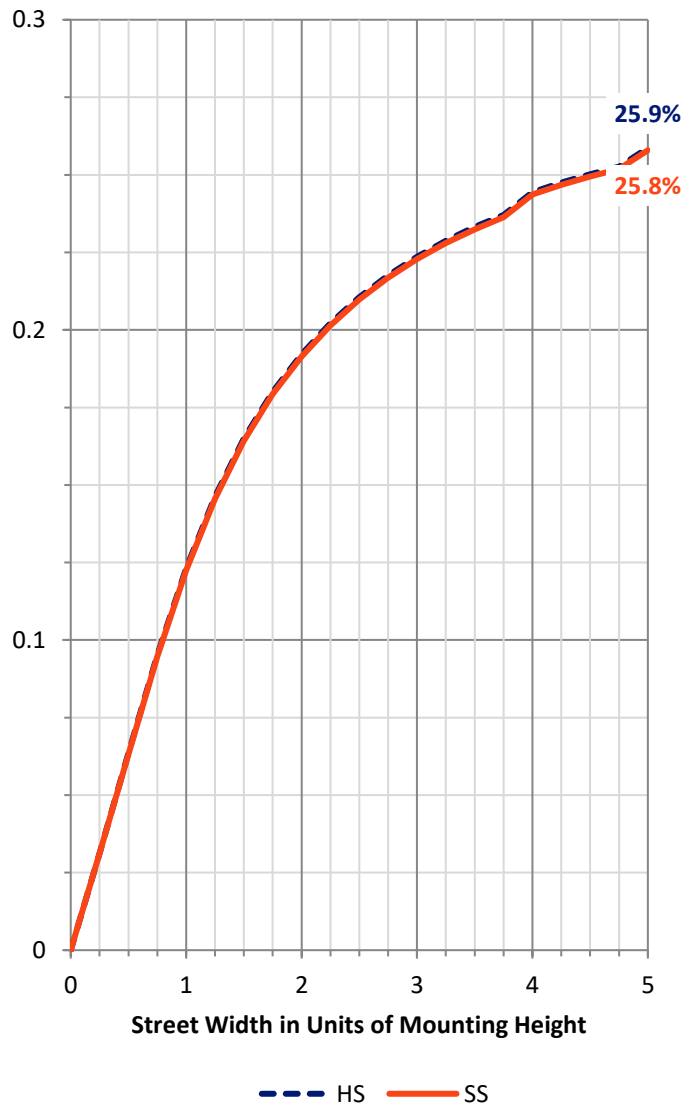
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2747.9	1943.1	4690.9
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	2747.9	1943.1	4690.9
	% Fixture	29.3	20.7	50.0
Total	Lumens	5495.7	3886.2	9381.9
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.1
10°-20°	70.4	0.8
20°-30°	203.4	2.2
30°-40°	423.0	4.5
40°-50°	671.3	7.2
50°-60°	881.2	9.4
60°-70°	1027.5	11.0
70°-80°	1103.7	11.8
80°-90°	1103.2	11.8
90°-100°	1032.6	11.0
100°-110°	906.1	9.7
110°-120°	728.7	7.8
120°-130°	523.4	5.6
130°-140°	336.4	3.6
140°-150°	195.2	2.1
150°-160°	102.5	1.1
160°-170°	47.7	0.5
170°-180°	13.7	0.1
0°-90°	5495.7	58.6
0°-180°	9381.9	100.0

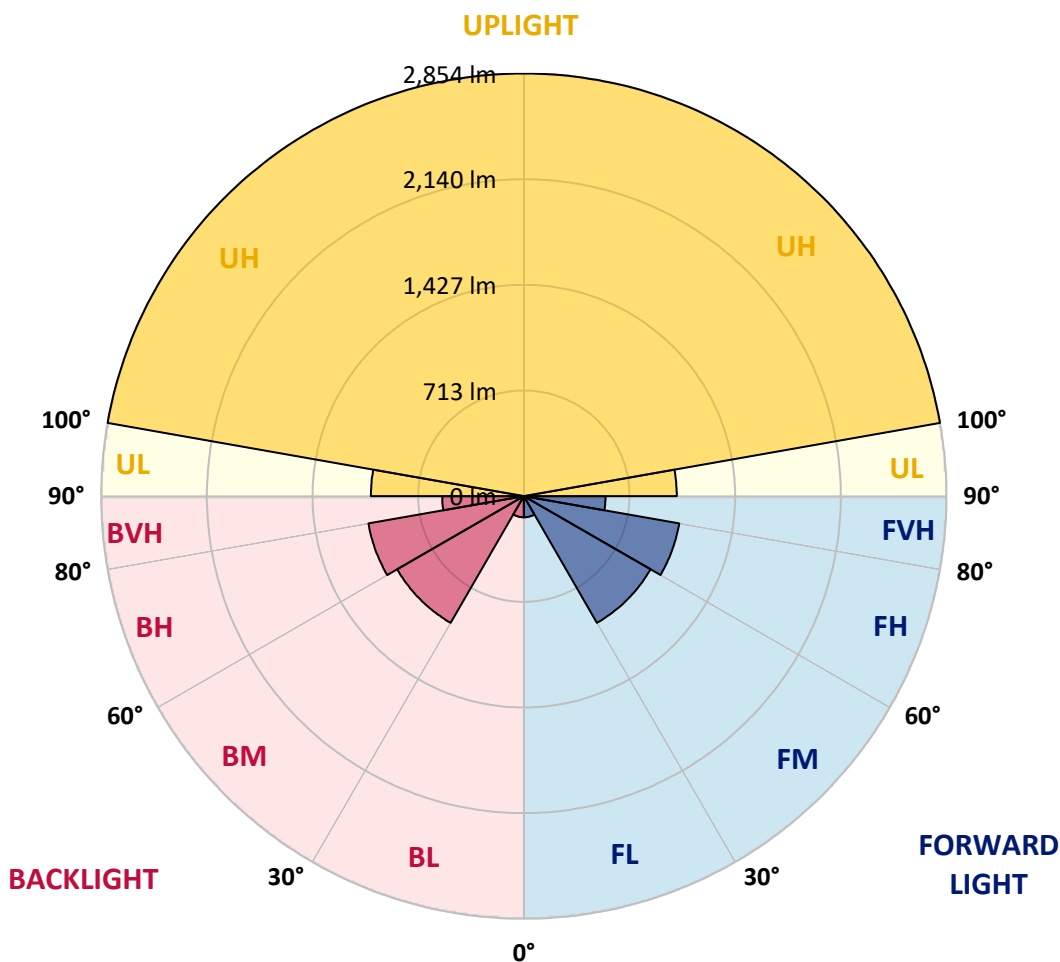


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.9	1.5			
FM (30°-60°)	987.8	10.5			
FH (60°-80°)	1065.6	11.4			G1/1800
FVH (80°-90°)	551.6	5.9			G4/750
BL (0°-30°)	142.9	1.5	B1/500		
BM (30°-60°)	987.8	10.5	B1/1000		
BH (60°-80°)	1065.6	11.4	B3/2500		G1/1800
BVH (80°-90°)	551.6	5.9			G4/750
UL (90°-100°)	1032.6	11.0		U5	
UH (100°-180°)	2853.5	30.4		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°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	96.6	96.6	96.0	96.0	95.4	94.8	94.8	94.2	93.6	93.6	93.6
5°	107.5	106.9	106.9	106.9	106.9	106.3	106.9	106.3	106.3	106.3	106.9
7.5°	131.0	130.4	130.4	130.4	131.0	131.0	131.6	132.3	132.9	132.9	132.9
10°	161.8	161.2	161.2	160.6	161.8	161.8	162.4	161.2	163.1	163.1	163.7
12.5°	198.1	197.5	197.5	196.9	198.1	197.5	198.7	197.5	200.5	199.3	199.3
15°	237.3	237.3	236.7	236.1	237.9	237.9	239.1	239.1	241.0	239.7	240.4
17.5°	279.0	278.4	278.4	277.8	279.6	279.6	279.6	280.8	283.2	280.8	282.6
20°	323.7	323.1	323.1	322.5	324.3	324.3	325.5	326.1	328.5	326.7	327.9
22.5°	372.0	371.4	371.4	371.4	373.8	374.4	374.4	376.2	379.2	376.2	378.6
25°	425.7	425.1	425.1	427.0	428.8	429.4	430.6	433.0	436.0	433.0	436.0
27.5°	483.1	482.5	483.7	486.1	487.9	489.2	491.0	491.6	495.8	492.8	497.0
30°	542.3	541.7	542.9	545.9	548.3	552.0	552.0	553.8	559.8	555.6	559.8
32.5°	600.9	600.3	602.1	605.7	609.3	613.0	613.6	616.0	622.0	619.0	623.2
35°	658.9	658.2	660.7	665.5	669.1	672.7	673.9	676.4	683.0	680.0	684.2
37.5°	713.8	713.8	716.2	721.7	725.9	730.7	730.1	733.1	739.2	737.4	741.6
40°	765.1	765.1	768.2	774.8	779.6	782.6	782.0	785.1	791.7	791.1	794.7
42.5°	811.6	811.6	815.9	822.5	827.3	829.1	829.1	832.2	839.4	838.8	842.4
45°	850.9	852.7	857.5	864.8	869.0	870.8	869.6	872.6	880.5	880.5	883.5
47.5°	887.1	889.5	894.4	901.6	904.6	906.4	905.2	907.7	915.5	916.7	919.7
50°	918.5	920.3	926.4	934.2	937.2	937.2	935.4	937.9	946.3	948.7	951.1
52.5°	945.7	947.5	954.2	962.6	964.4	963.8	961.4	963.8	972.3	974.7	976.5
55°	967.4	969.3	977.1	985.6	987.4	985.6	981.9	985.0	992.8	996.4	999.4
57.5°	985.0	986.8	995.8	1004.3	1006.1	1002.5	998.2	1001.3	1010.3	1014.5	1015.8
60°	999.4	1001.3	1010.9	1020.0	1021.2	1017.0	1012.1	1015.1	1024.2	1029.0	1030.2
62.5°	1010.9	1012.7	1023.0	1033.3	1033.9	1028.4	1023.0	1026.0	1035.1	1040.5	1042.3
65°	1018.8	1020.6	1032.1	1042.3	1043.5	1036.9	1031.5	1034.5	1042.9	1049.6	1050.8
67.5°	1024.2	1026.0	1038.7	1049.6	1050.2	1042.9	1036.9	1039.3	1049.0	1055.6	1056.8
70°	1026.6	1028.4	1041.7	1053.2	1053.8	1045.9	1038.7	1041.7	1051.4	1059.2	1060.4
72.5°	1027.2	1029.6	1043.5	1055.0	1055.6	1046.6	1039.3	1041.7	1052.0	1061.0	1061.6
75°	1024.8	1027.8	1042.3	1054.4	1054.4	1044.1	1036.3	1038.7	1050.2	1059.8	1061.6
77.5°	1021.8	1023.6	1038.7	1050.8	1050.2	1039.3	1030.2	1033.9	1045.3	1056.2	1057.4
80°	1015.1	1017.6	1032.7	1044.1	1042.9	1030.9	1022.4	1026.0	1038.1	1049.6	1050.8
82.5°	1006.7	1009.1	1024.2	1034.5	1033.3	1020.6	1012.1	1016.4	1029.0	1041.1	1042.3
85°	996.4	998.8	1013.3	1023.0	1021.2	1008.5	1000.1	1003.7	1017.6	1029.6	1030.9
87.5°	983.1	985.6	1000.1	1008.5	1006.7	993.4	986.2	991.0	1003.7	1016.4	1017.0
90°	968.0	971.1	983.7	991.6	989.2	977.1	970.5	975.3	988.0	1000.1	1001.3
92.5°	952.9	954.2	966.2	972.9	971.1	960.2	954.2	959.6	971.1	983.1	983.1
95°	934.8	936.6	947.5	952.9	951.1	942.1	936.6	942.7	952.9	964.4	965.0
97.5°	915.5	917.3	926.4	931.8	930.0	922.1	918.5	924.6	933.6	944.5	945.1
100°	895.0	896.2	904.0	908.9	907.1	901.0	898.6	904.6	913.1	923.4	923.4
102.5°	872.0	873.2	879.3	882.3	881.7	876.9	876.9	883.5	890.1	899.8	901.0
105°	847.9	849.1	853.3	855.1	854.5	852.7	853.9	860.6	866.0	874.4	875.6
107.5°	820.7	821.9	824.3	824.9	824.9	824.9	829.1	835.2	841.2	847.3	847.9
110°	791.7	792.3	794.1	793.5	793.5	794.7	800.8	807.4	812.2	818.3	818.9



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 CATALOG NUMBER: FFX-CLB-60-730-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	760.3	760.9	762.1	759.7	760.3	762.7	770.6	777.8	780.8	786.9	786.9
115°	727.1	726.5	727.7	724.7	724.1	728.3	736.8	745.2	747.6	751.9	752.5
117.5°	690.9	691.5	690.9	687.2	686.6	692.7	700.5	708.4	711.4	716.2	715.0
120°	653.4	652.8	653.4	649.2	648.6	655.2	663.1	670.9	672.7	677.0	675.8
122.5°	615.4	614.8	614.2	609.9	609.9	615.4	625.0	632.9	631.7	636.5	635.9
125°	576.1	576.1	574.9	570.7	570.7	577.3	585.2	592.4	591.2	596.6	594.8
127.5°	537.5	537.5	536.3	532.6	532.6	538.7	545.9	553.2	551.4	556.2	554.4
130°	499.4	499.4	498.2	494.6	494.6	499.4	507.3	513.3	510.9	515.1	514.5
132.5°	463.2	462.6	462.0	458.4	459.0	463.8	469.8	475.3	472.9	477.7	475.9
135°	428.2	427.6	427.0	423.3	423.9	428.8	434.2	438.4	436.6	439.6	439.0
137.5°	394.9	394.3	393.7	390.7	391.3	394.9	400.4	404.0	401.6	405.8	404.0
140°	363.5	362.9	361.7	359.9	360.5	364.1	367.2	371.4	369.0	372.6	370.8
142.5°	333.4	333.4	332.1	330.3	330.9	334.6	337.0	340.0	337.6	340.6	339.4
145°	305.6	305.6	304.4	303.2	303.2	306.2	308.0	311.0	308.6	311.6	310.4
147.5°	280.2	280.2	279.0	277.8	277.8	280.8	282.0	284.4	282.0	284.4	283.2
150°	256.7	256.7	256.1	254.8	255.4	256.7	257.9	259.7	257.9	259.7	259.1
152.5°	236.1	236.1	235.5	234.9	234.3	236.1	236.7	238.5	236.7	238.5	237.3
155°	218.0	217.4	217.4	216.2	216.2	217.4	218.0	219.2	217.4	219.2	218.6
157.5°	201.7	201.7	201.1	200.5	200.5	201.1	201.7	202.3	201.1	202.9	201.7
160°	187.8	187.8	187.2	186.6	186.6	187.2	187.2	187.8	186.6	187.8	187.2
162.5°	175.7	175.7	175.1	175.1	174.5	175.1	175.7	175.7	175.1	175.7	175.1
165°	166.1	166.1	165.5	164.9	164.9	165.5	165.5	166.1	164.9	165.5	165.5
167.5°	157.0	157.0	157.0	156.4	155.8	156.4	156.4	156.4	155.8	156.4	156.4
170°	150.4	150.4	150.4	149.8	149.2	149.8	149.8	149.8	149.2	149.8	149.8
172.5°	144.9	144.9	144.9	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3
175°	141.3	141.3	141.3	141.3	140.7	141.3	141.3	141.3	141.3	141.3	140.7
177.5°	139.5	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3

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: SP1-2406-133-4

Test Date: 07/12/2024

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.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-4
 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-100-730-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3003
 CIE u': 0.2503
 CIE v': 0.5219
 Duv: 0.0004
 CIE x: 0.4373
 CIE y: 0.4053
 CIE z: 0.1573
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 52.93545
 Rf: 75.2
 Rg: 93.8

CRI (Ra):	71.9		
R1:	68.2	R9:	-33.7
R2:	82.2	R10:	59.0
R3:	93.9	R11:	62.4
R4:	67.6	R12:	48.5
R5:	67.2	R13:	70.8
R6:	75.3	R14:	96.6
R7:	77.6	R15:	60.0
R8:	43.1		



Test Conditions

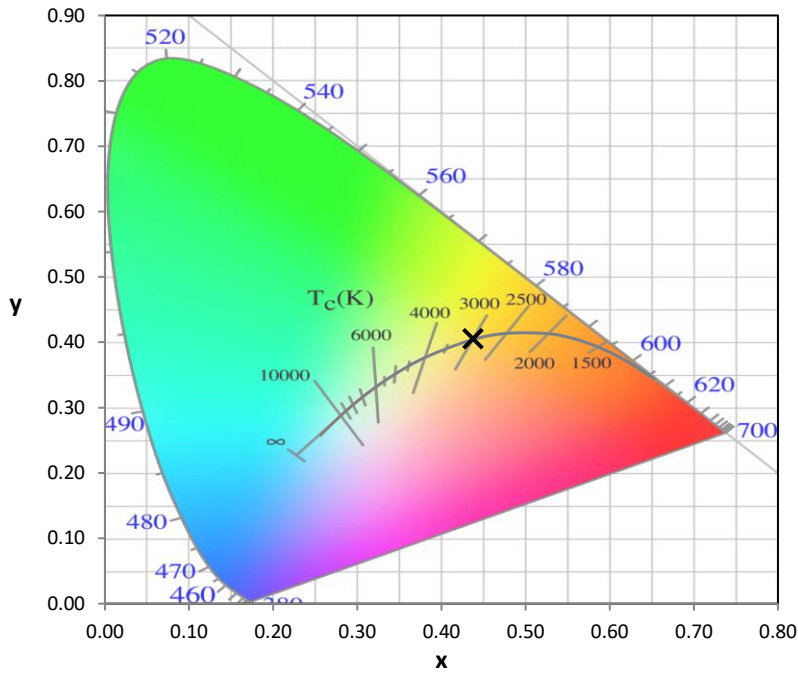
Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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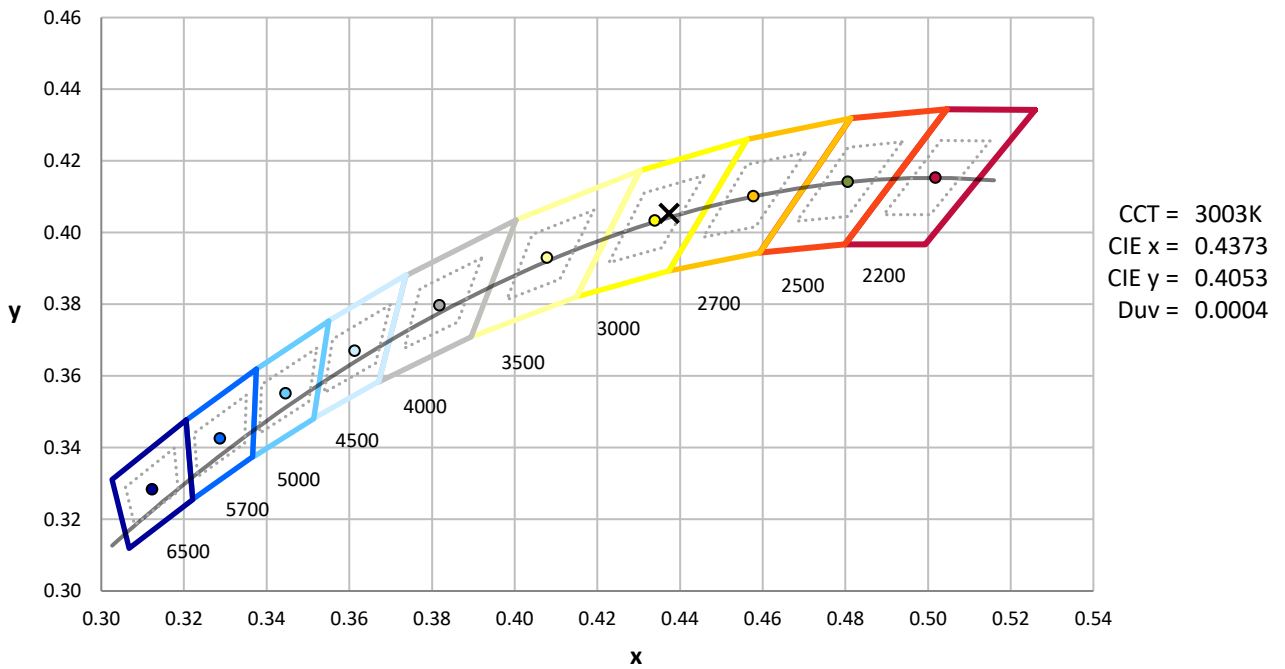
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

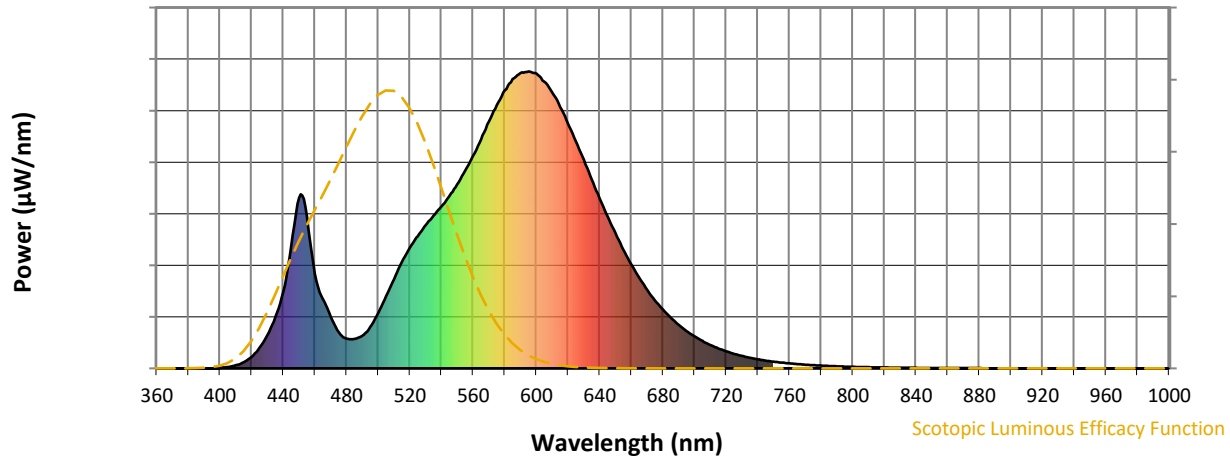


Photopic Lumens: NR

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

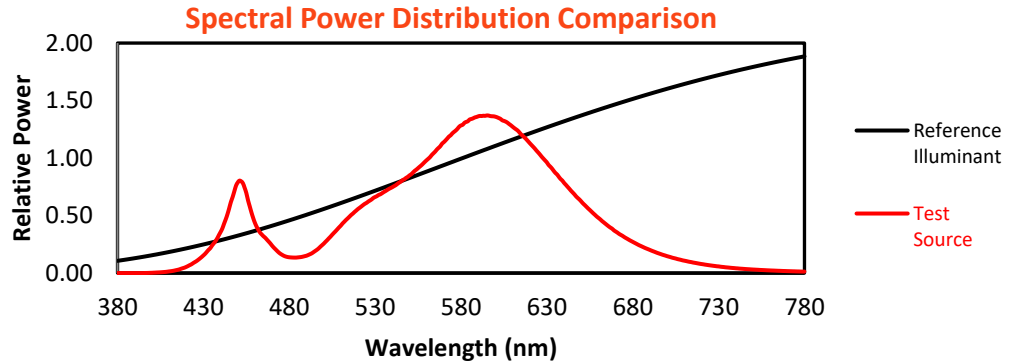
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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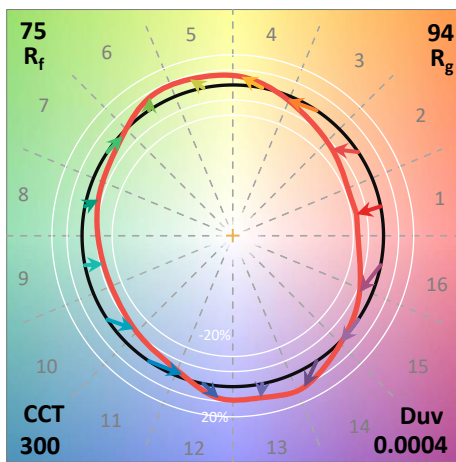
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Summary

$R_f = 75.2$
 $R_g = 93.8$
 CIE $R_a = 71.9$
 $R_g = -33.7$



Color Vector Graphics



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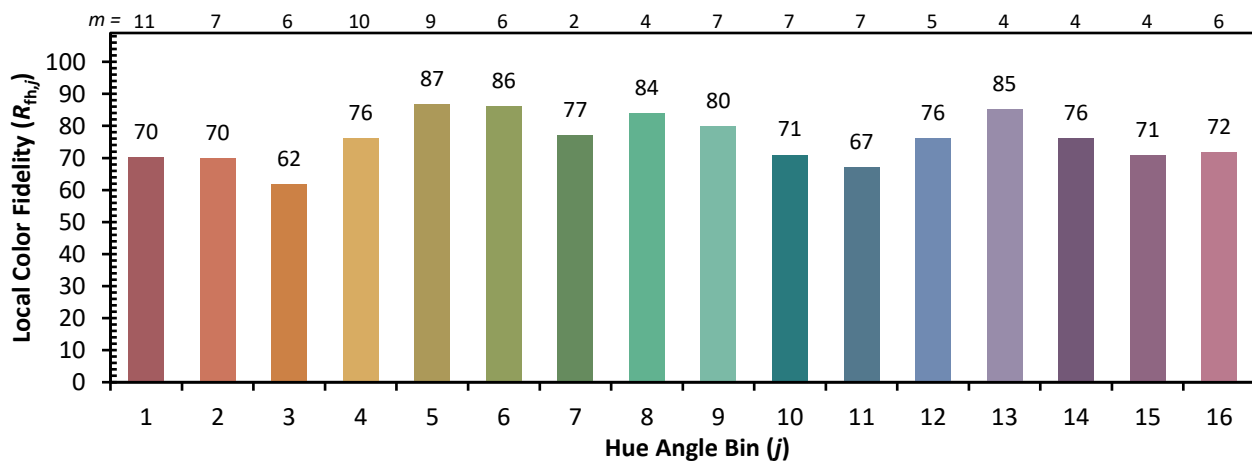
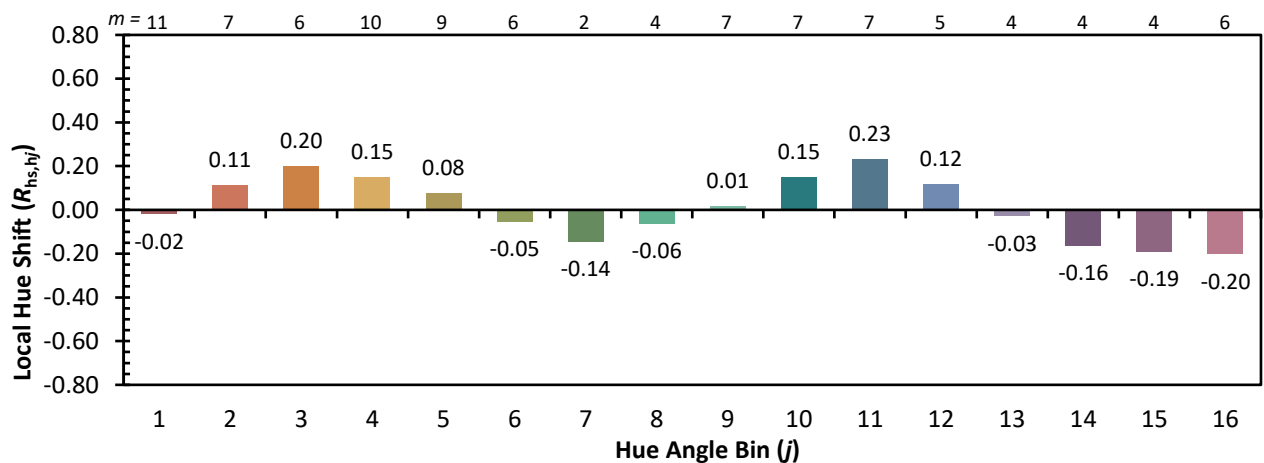
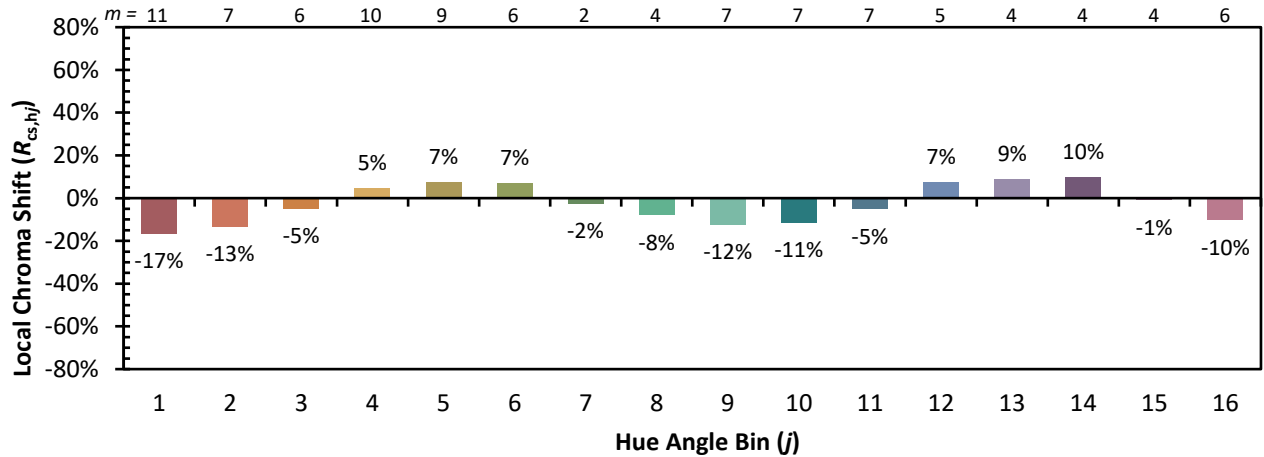
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
CES25 = 73	CES50 = 86	CES75 = 61	



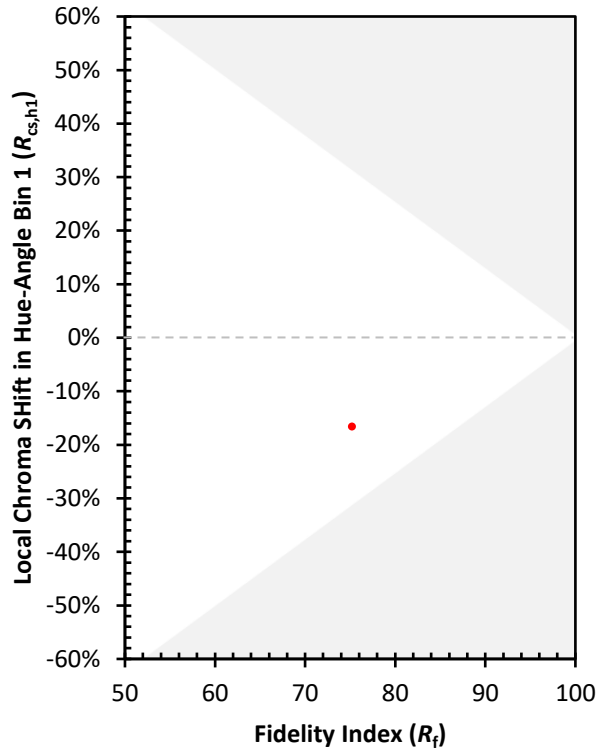
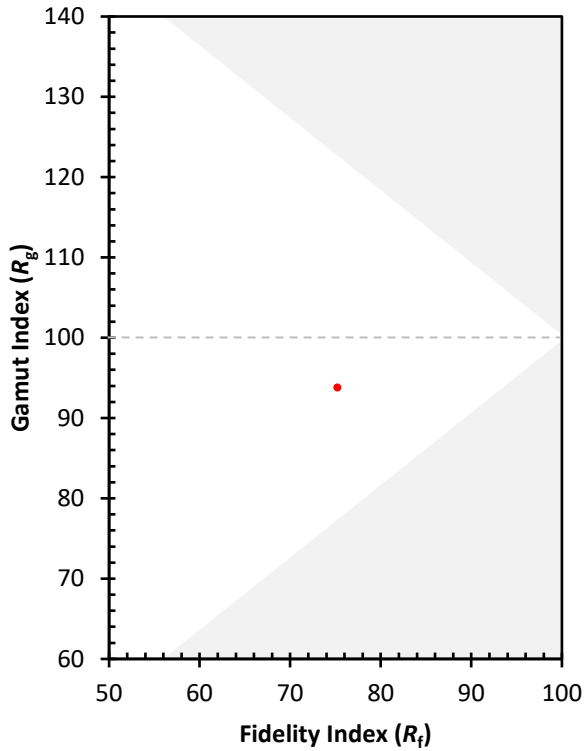
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)