

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: P856357

Luminaire Tested: **FFX-CLB-60-740-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856357
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-740-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

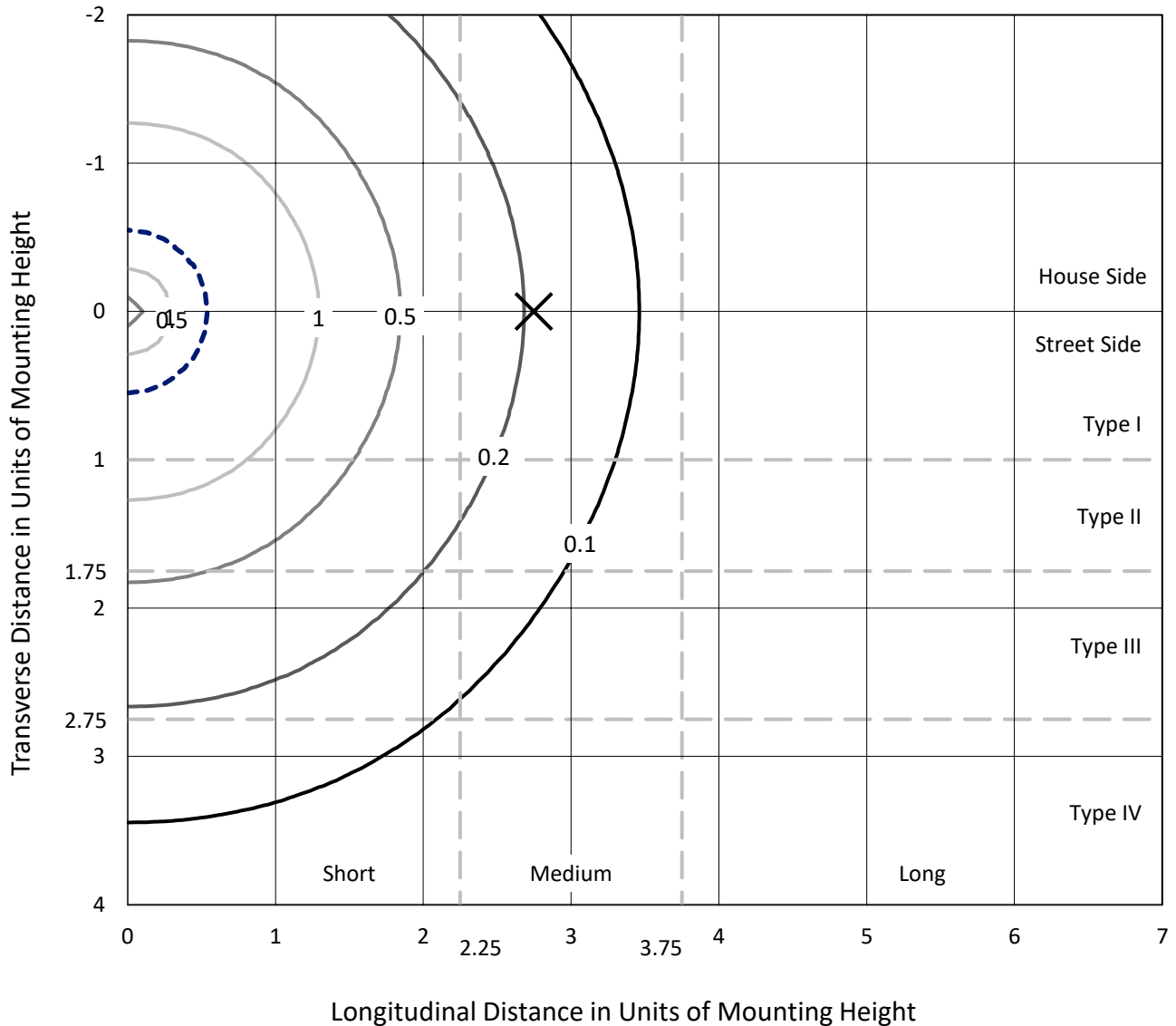
Lumens per Lamp: N/A
Luminaire Lumens: 9732.8 lumens
Efficiency: N/A
Efficacy: 162.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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

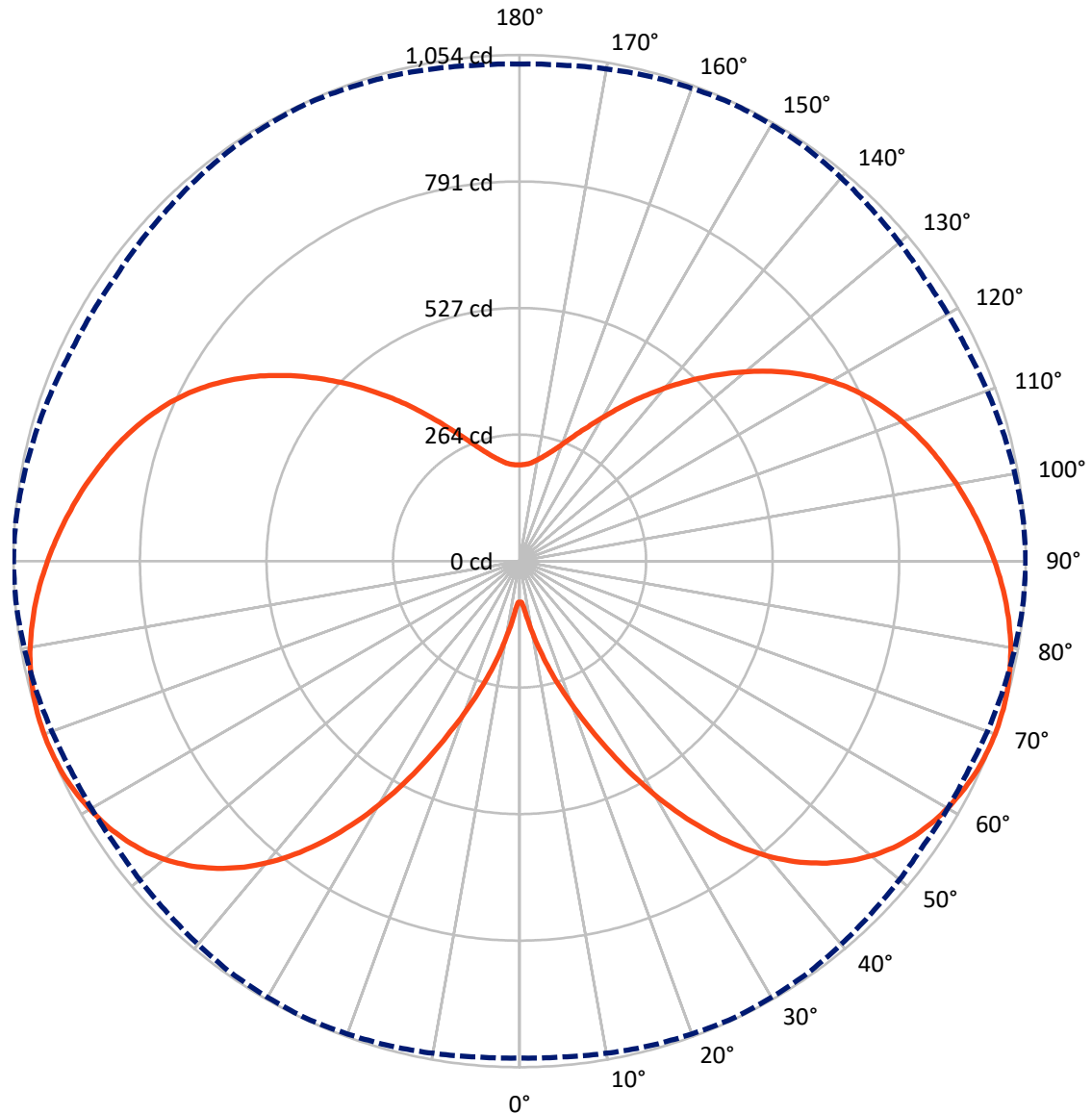
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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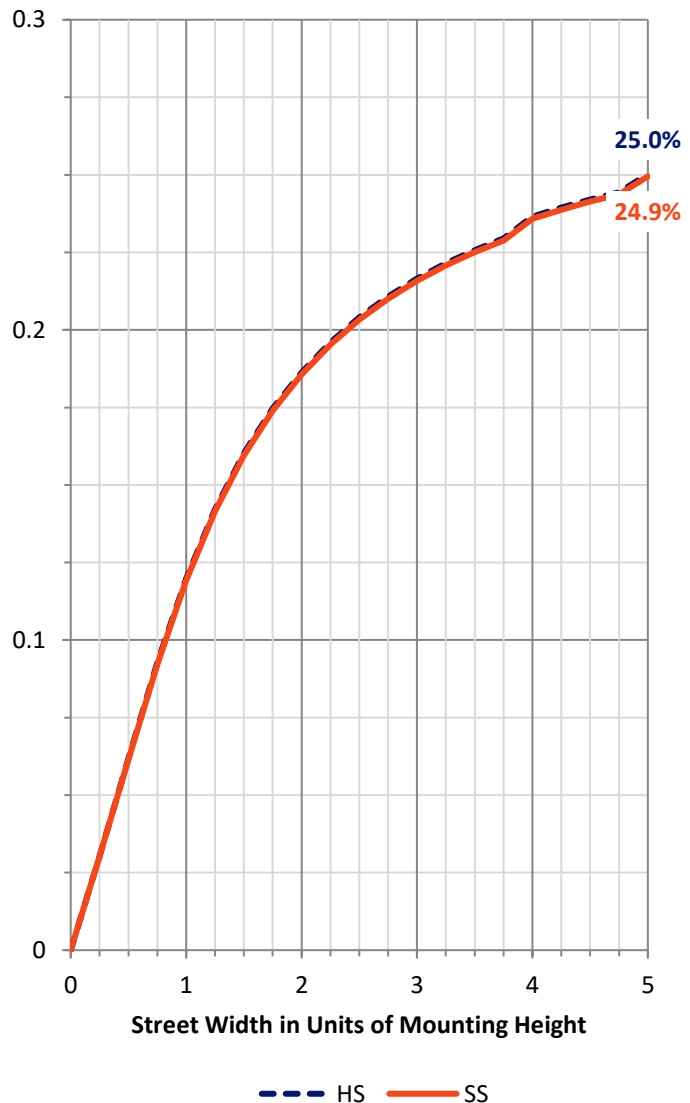
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2756.2	2110.1	4866.4
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	2756.2	2110.1	4866.4
	% Fixture	28.3	21.7	50.0
Total	Lumens	5512.5	4220.3	9732.8
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.1
10°-20°	69.7	0.7
20°-30°	207.9	2.1
30°-40°	434.7	4.5
40°-50°	682.3	7.0
50°-60°	885.6	9.1
60°-70°	1025.1	10.5
70°-80°	1097.4	11.3
80°-90°	1098.3	11.3
90°-100°	1035.8	10.6
100°-110°	926.8	9.5
110°-120°	779.3	8.0
120°-130°	597.7	6.1
130°-140°	409.0	4.2
140°-150°	249.5	2.6
150°-160°	136.4	1.4
160°-170°	66.1	0.7
170°-180°	19.7	0.2
0°-90°	5512.5	56.6
0°-180°	9732.8	100.0

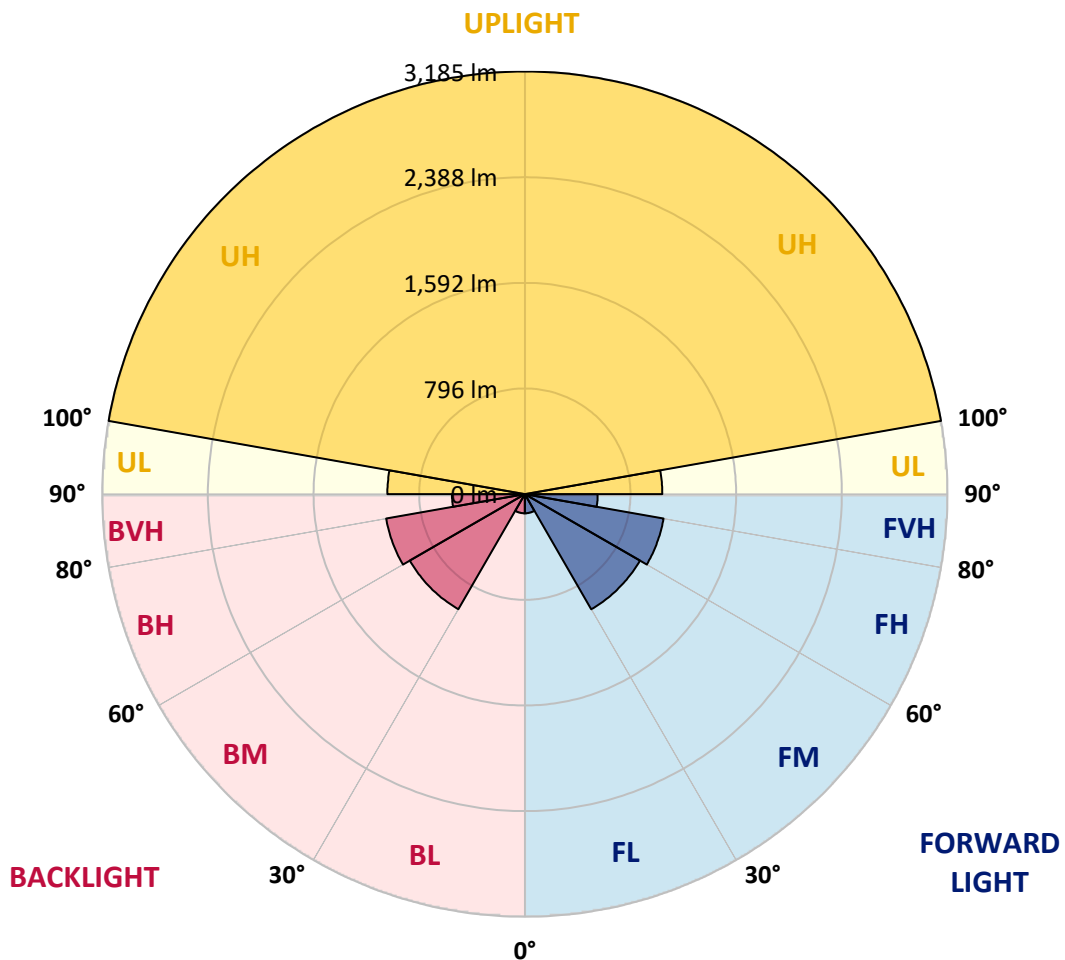


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.5	1.5			
FM (30°-60°)	1001.3	10.3			
FH (60°-80°)	1061.3	10.9			G1/1800
FVH (80°-90°)	549.2	5.6			G4/750
BL (0°-30°)	144.5	1.5	B1/500		
BM (30°-60°)	1001.3	10.3	B2/2500		
BH (60°-80°)	1061.3	10.9	B3/2500		G1/1800
BVH (80°-90°)	549.2	5.6			G4/750
UL (90°-100°)	1035.8	10.6		U5	
UH (100°-180°)	3184.5	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°	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2.5°	89.2	89.2	88.6	88.6	88.0	87.3	87.3	87.3	86.7	86.7	86.1
5°	101.7	101.0	101.0	100.4	101.0	100.4	100.4	100.4	100.4	99.2	99.2
7.5°	126.0	125.4	125.4	124.8	126.0	124.8	124.8	125.4	125.4	124.8	124.8
10°	157.8	157.2	157.2	155.9	157.2	156.6	156.6	155.3	155.9	155.3	155.9
12.5°	195.9	194.0	194.0	193.4	194.6	194.0	193.4	192.1	193.4	192.7	192.7
15°	235.2	235.8	235.2	234.5	235.8	235.8	235.2	233.9	235.2	233.9	234.5
17.5°	278.8	278.8	278.8	276.9	278.8	279.4	278.8	277.6	278.2	278.8	278.8
20°	326.2	326.2	326.8	325.6	328.7	326.8	326.2	325.6	326.2	326.8	327.5
22.5°	378.6	378.6	379.2	378.6	380.5	380.5	379.9	379.9	380.5	381.7	381.7
25°	436.6	437.3	437.3	435.4	439.8	441.0	439.8	439.8	441.0	442.9	442.9
27.5°	496.5	499.0	497.8	497.8	503.4	504.0	503.4	504.0	505.9	507.7	508.4
30°	558.3	560.1	562.6	560.8	567.0	567.6	568.2	568.9	571.4	574.5	574.5
32.5°	620.0	621.9	623.1	623.1	631.2	630.6	630.0	632.5	636.2	637.5	639.4
35°	681.8	681.8	683.0	683.6	691.7	691.1	692.4	694.2	698.0	700.5	701.7
37.5°	737.3	736.0	739.2	740.4	746.6	747.3	747.9	751.0	755.4	758.5	759.7
40°	787.8	786.6	790.3	792.2	797.8	797.8	799.0	802.8	807.8	810.9	811.5
42.5°	832.7	832.1	835.8	838.3	843.9	843.3	842.7	847.7	853.3	857.0	858.3
45°	871.4	870.8	875.8	878.9	883.2	882.0	882.0	886.4	892.6	897.0	897.6
47.5°	904.5	904.5	910.1	913.8	917.5	915.7	914.4	918.8	925.0	931.3	931.9
50°	933.8	933.1	939.4	943.7	946.9	944.4	942.5	946.9	953.7	960.0	961.2
52.5°	956.8	958.1	964.3	969.9	972.4	968.7	965.6	969.9	977.4	984.3	985.5
55°	976.8	977.4	984.3	991.2	992.4	987.4	983.7	987.4	995.5	1003.0	1004.3
57.5°	992.4	993.6	1001.8	1008.0	1008.6	1003.0	998.6	1001.8	1010.5	1018.0	1019.8
60°	1006.1	1007.4	1014.9	1021.7	1022.3	1015.5	1009.9	1012.4	1021.7	1030.4	1031.7
62.5°	1016.7	1018.6	1026.7	1032.9	1032.9	1024.8	1018.0	1020.5	1030.4	1039.8	1041.1
65°	1025.5	1027.3	1035.4	1041.7	1041.1	1031.7	1024.2	1026.7	1037.3	1046.7	1048.5
67.5°	1031.7	1032.9	1041.7	1047.9	1045.4	1035.4	1028.0	1029.8	1041.1	1050.4	1052.3
70°	1035.4	1036.7	1045.4	1051.0	1047.3	1036.7	1028.6	1031.1	1042.3	1052.3	1054.2
72.5°	1037.3	1039.2	1047.3	1052.3	1047.9	1036.1	1027.3	1030.4	1041.7	1052.3	1053.5
75°	1036.7	1037.9	1046.0	1050.4	1044.8	1033.6	1024.2	1027.3	1039.2	1048.5	1050.4
77.5°	1033.6	1034.8	1042.3	1046.0	1039.2	1028.0	1019.2	1022.3	1033.6	1042.9	1044.8
80°	1028.6	1029.8	1036.7	1039.2	1032.3	1021.1	1013.0	1016.1	1026.7	1035.4	1037.3
82.5°	1020.5	1022.3	1028.6	1029.8	1022.3	1012.4	1004.3	1007.4	1017.4	1025.5	1026.7
85°	1010.5	1011.7	1017.4	1018.0	1010.5	1001.8	994.9	998.0	1006.7	1013.0	1014.9
87.5°	999.3	999.3	1004.9	1004.9	996.8	988.7	983.7	986.2	994.3	999.3	1001.1
90°	985.5	986.2	989.9	989.3	981.8	974.9	970.6	973.7	980.5	984.9	986.2
92.5°	970.6	971.2	974.3	973.1	965.6	960.0	956.2	960.0	966.2	969.3	970.6
95°	954.4	955.0	957.5	955.0	948.1	943.7	940.6	945.0	950.0	953.1	954.4
97.5°	937.5	938.1	940.0	937.5	930.0	926.3	925.0	928.8	933.8	936.3	937.5
100°	920.0	920.0	921.3	917.5	911.3	908.2	907.6	911.9	916.9	919.4	920.7
102.5°	900.7	901.3	901.3	897.6	891.4	889.5	889.5	894.5	899.5	901.3	902.6
105°	880.7	880.7	880.7	877.6	870.8	869.5	870.1	875.1	880.7	883.2	884.5
107.5°	858.9	859.5	858.3	855.2	849.6	848.3	849.6	856.4	861.4	863.9	865.2
110°	835.8	836.5	835.8	832.1	827.1	826.5	828.4	835.2	840.2	842.7	844.6



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 CATALOG NUMBER: FFX-CLB-60-740-U-VM8

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	811.5	812.1	811.5	808.4	803.4	803.4	805.9	812.8	818.4	820.2	822.1
115°	785.9	786.6	785.3	782.8	777.8	779.1	781.6	788.4	794.0	795.9	798.4
117.5°	758.5	759.1	758.5	755.4	751.0	752.3	756.0	762.9	767.8	769.7	772.2
120°	728.6	728.6	728.6	725.4	721.1	723.6	727.3	734.8	739.2	740.4	742.9
122.5°	698.0	696.7	696.7	694.9	689.9	693.0	696.7	704.2	708.6	709.2	711.1
125°	664.3	664.9	663.1	661.8	657.4	661.2	664.3	671.8	675.5	676.2	678.0
127.5°	628.1	630.0	628.1	626.3	623.1	626.9	630.6	637.5	640.6	641.2	642.5
130°	594.4	594.4	592.6	591.3	588.2	591.9	595.7	601.9	605.0	605.0	606.3
132.5°	560.8	558.9	558.3	557.0	553.3	557.6	560.1	566.4	568.9	568.2	569.5
135°	524.0	524.0	522.1	521.5	518.3	522.7	525.2	530.8	532.7	532.1	533.3
137.5°	489.7	489.7	488.4	487.2	485.3	489.0	491.5	495.9	497.8	495.9	497.8
140°	456.0	456.0	455.3	454.1	452.2	456.0	457.8	461.6	463.5	461.6	462.8
142.5°	424.8	423.5	422.9	422.3	419.8	423.5	424.8	428.5	429.1	427.9	429.8
145°	391.7	392.3	391.7	391.1	389.2	392.3	393.6	396.7	397.3	396.1	398.0
147.5°	364.3	362.4	363.0	362.4	360.5	363.7	364.3	366.1	367.4	366.1	367.4
150°	336.8	335.6	335.6	335.0	333.7	336.2	336.8	338.7	339.3	338.1	339.3
152.5°	312.5	311.9	311.9	311.3	310.0	311.9	312.5	313.8	314.4	313.1	313.8
155°	290.7	290.0	290.0	289.4	288.2	290.0	290.0	291.3	291.9	291.3	291.9
157.5°	271.3	270.7	270.7	270.7	269.5	270.7	270.7	272.0	272.0	271.3	272.0
160°	255.7	254.5	255.1	254.5	253.2	254.5	254.5	255.1	255.1	255.1	255.1
162.5°	241.4	241.4	241.4	240.8	240.1	240.8	240.8	241.4	241.4	241.4	240.8
165°	230.2	230.2	230.2	229.5	228.9	229.5	229.5	229.5	229.5	229.5	229.5
167.5°	220.8	220.2	220.8	220.2	219.6	220.2	220.2	220.2	220.2	220.2	220.2
170°	212.7	212.7	212.7	212.7	212.1	212.7	212.7	212.7	212.7	212.7	212.7
172.5°	207.7	207.1	207.1	207.1	206.5	207.1	206.5	207.1	206.5	207.1	206.5
175°	203.3	203.3	203.3	203.3	202.7	202.7	202.7	202.7	202.7	202.7	202.7
177.5°	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9
180°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-1

Test Date: 07/11/2024

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.

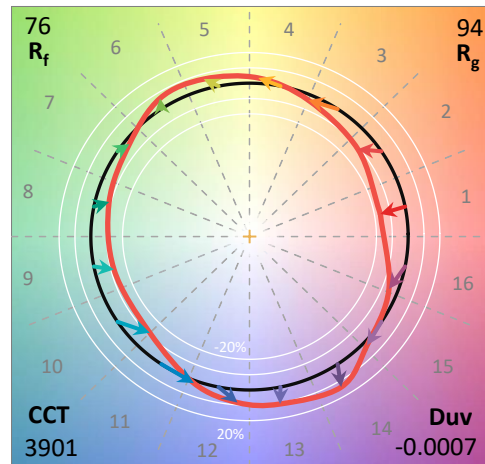
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-1
 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-100-740-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3901
 CIE u': 0.2273
 CIE v': 0.5026
 Duv: -0.0007
 CIE x: 0.3844
 CIE y: 0.3776
 CIE z: 0.2380
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 579
 Purity: 28.6799
 Rf: 76.2
 Rg: 94.4

CRI (Ra):	74.5		
R1:	71.8	R9:	-23.4
R2:	81.9	R10:	56.6
R3:	89.3	R11:	68.4
R4:	72.6	R12:	46.6
R5:	71.3	R13:	73.7
R6:	74.0	R14:	93.9
R7:	81.5	R15:	65.1
R8:	53.3		



Test Conditions

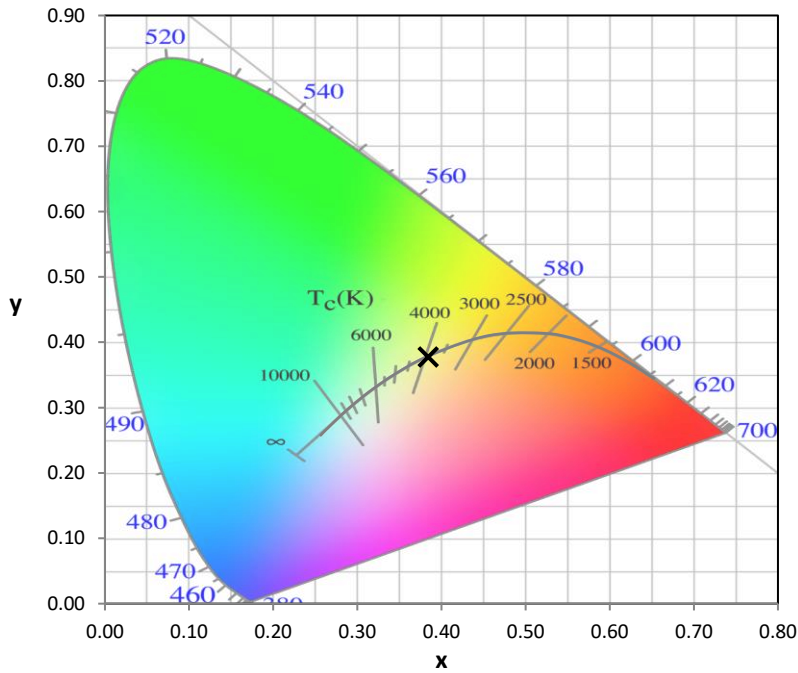
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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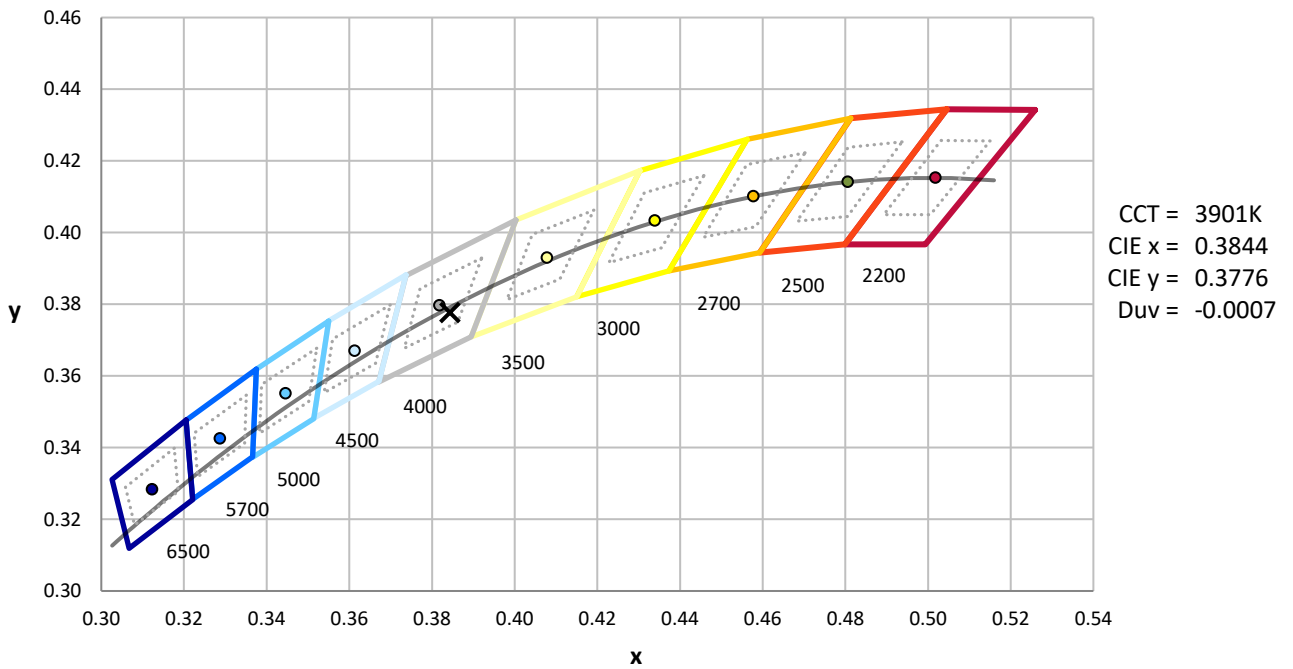
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



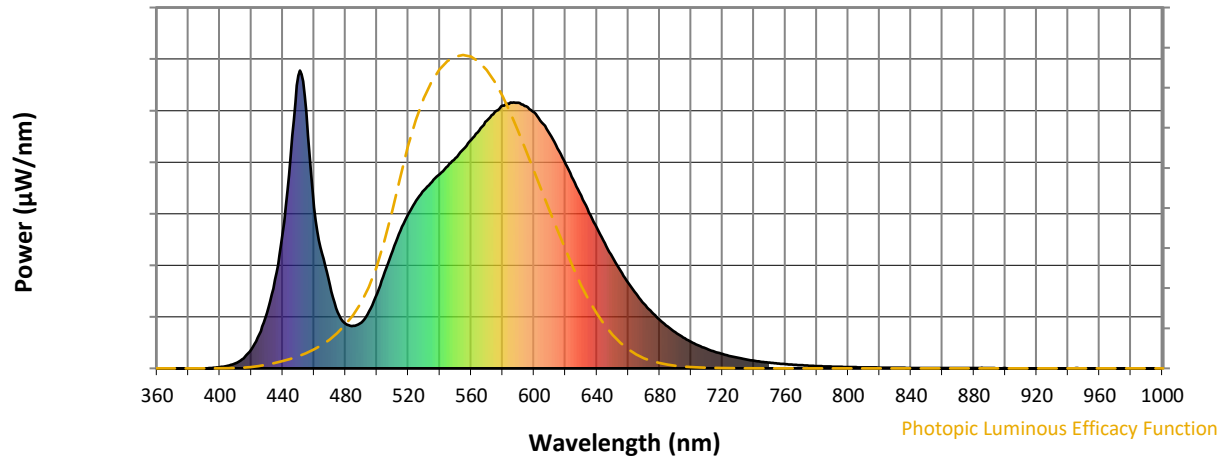
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.53

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.04

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Summary

$R_f = 76.2$
 $R_g = 94.4$
 CIE $R_a = 74.5$
 $R_g = -23.4$



Color Vector Graphics



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

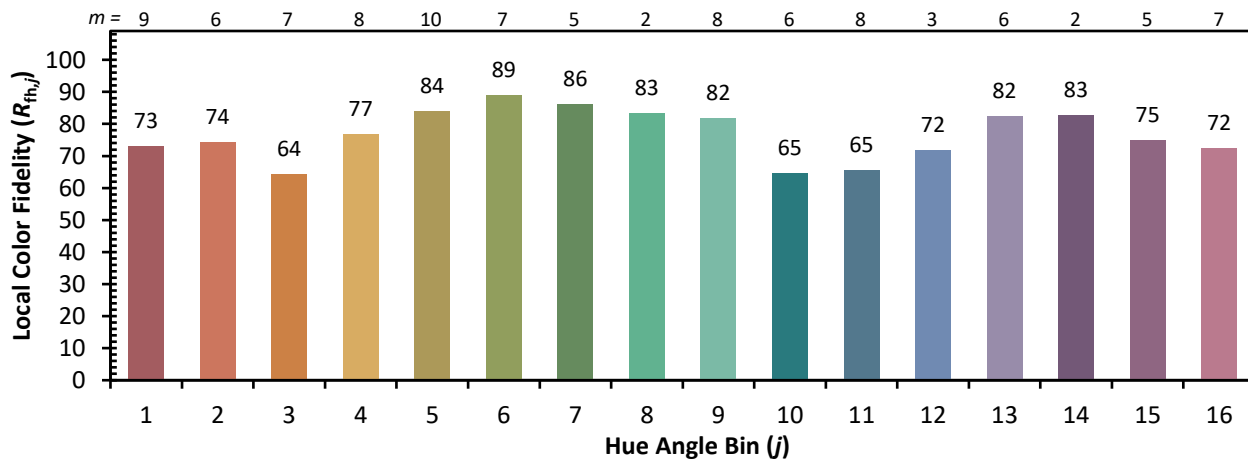
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
CES25 = 72	CES50 = 89	CES75 = 56	



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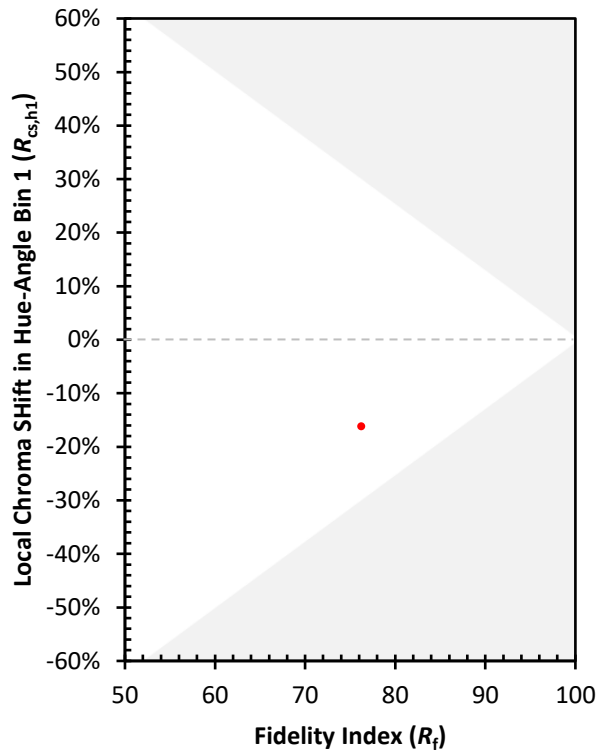
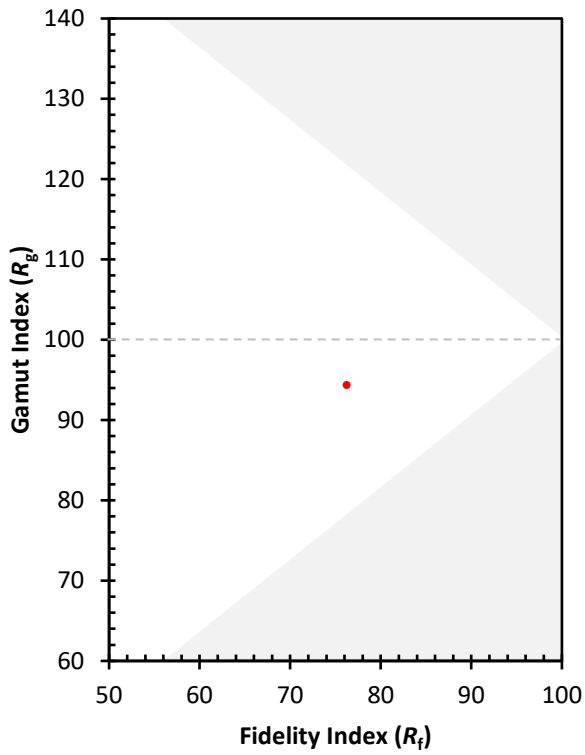
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)