

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: P856174

Luminaire Tested: **FFX-CLB-90-740-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856174
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-90-740-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
AND UPLIGHT REFLECTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

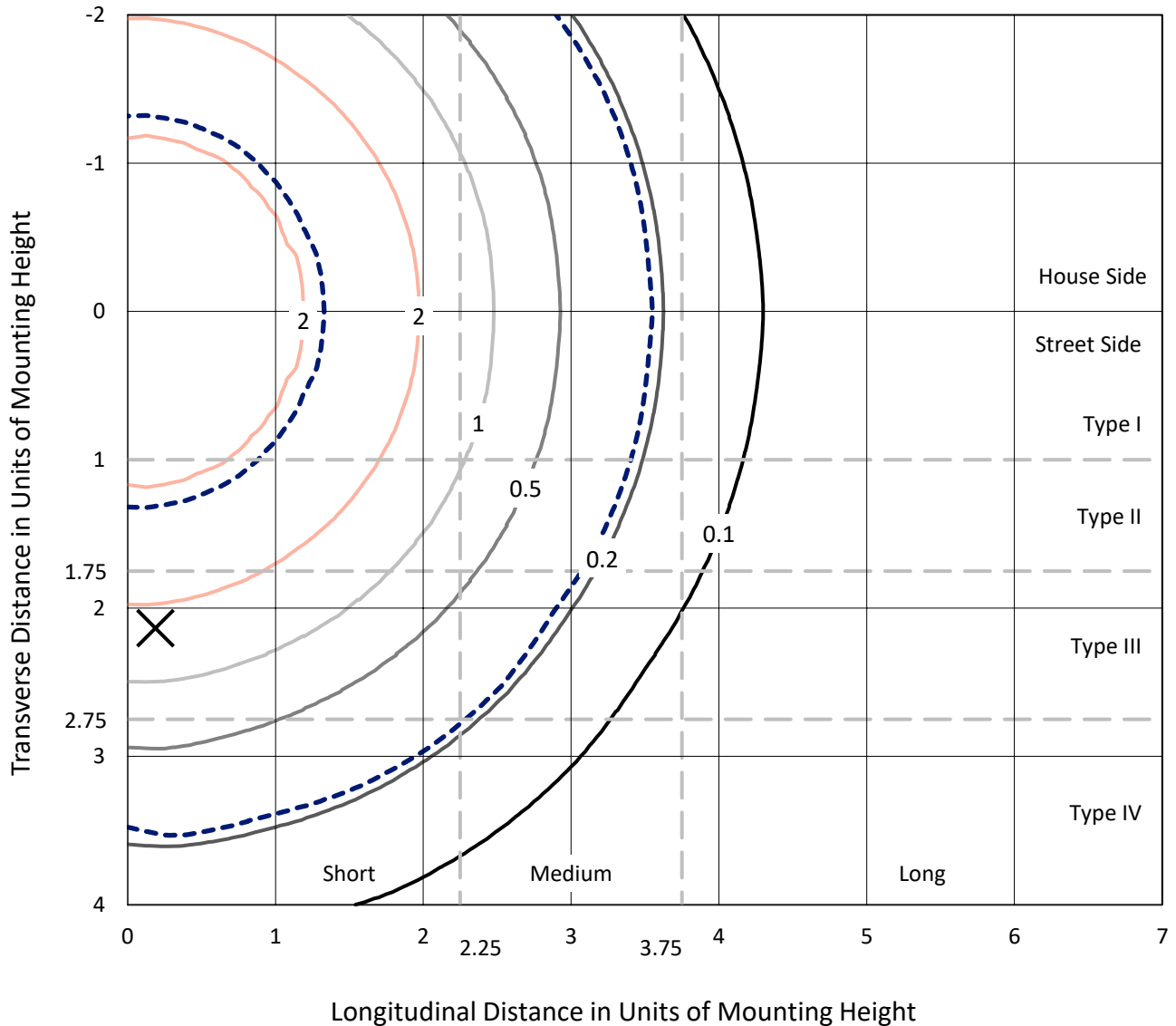
Lumens per Lamp: N/A
Luminaire Lumens: 14382.5 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U5 - G3

Input Watts (W): 90.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.6%%
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

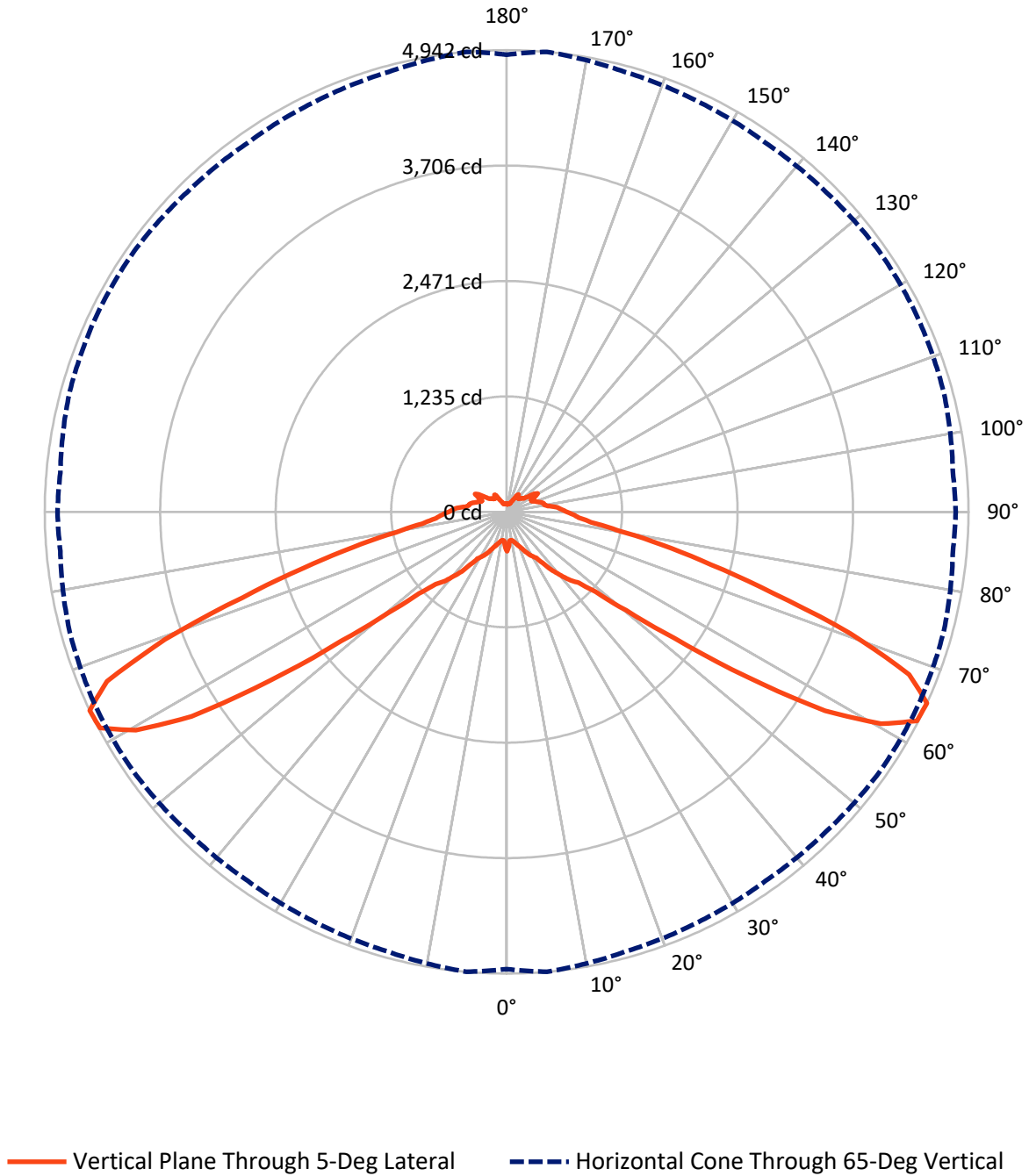
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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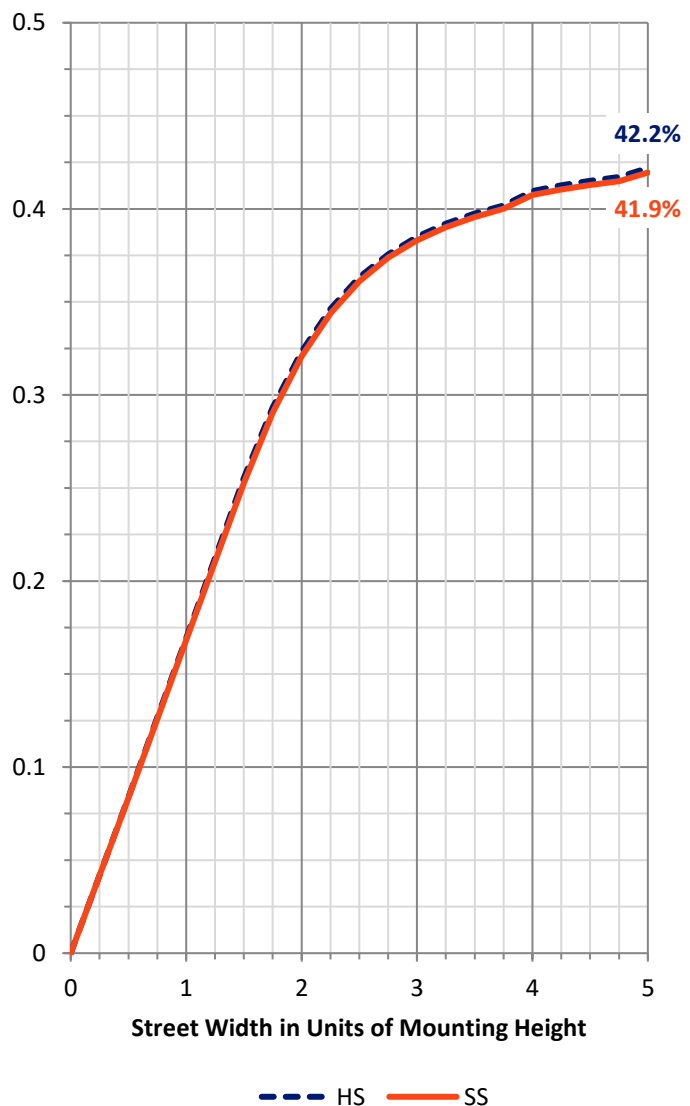
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6282.5	908.8	7191.2
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	6282.5	908.8	7191.2
	% Fixture	43.7	6.3	50.0
Total	Lumens	12564.9	1817.5	14382.5
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	0.2
10°-20°	101.0	0.7
20°-30°	218.9	1.5
30°-40°	443.4	3.1
40°-50°	894.0	6.2
50°-60°	2842.2	19.8
60°-70°	4583.6	31.9
70°-80°	2499.5	17.4
80°-90°	951.8	6.6
90°-100°	571.1	4.0
100°-110°	364.3	2.5
110°-120°	277.1	1.9
120°-130°	234.4	1.6
130°-140°	152.8	1.1
140°-150°	128.0	0.9
150°-160°	57.4	0.4
160°-170°	24.3	0.2
170°-180°	8.1	0.1
0°-90°	12564.9	87.4
0°-180°	14382.5	100.0



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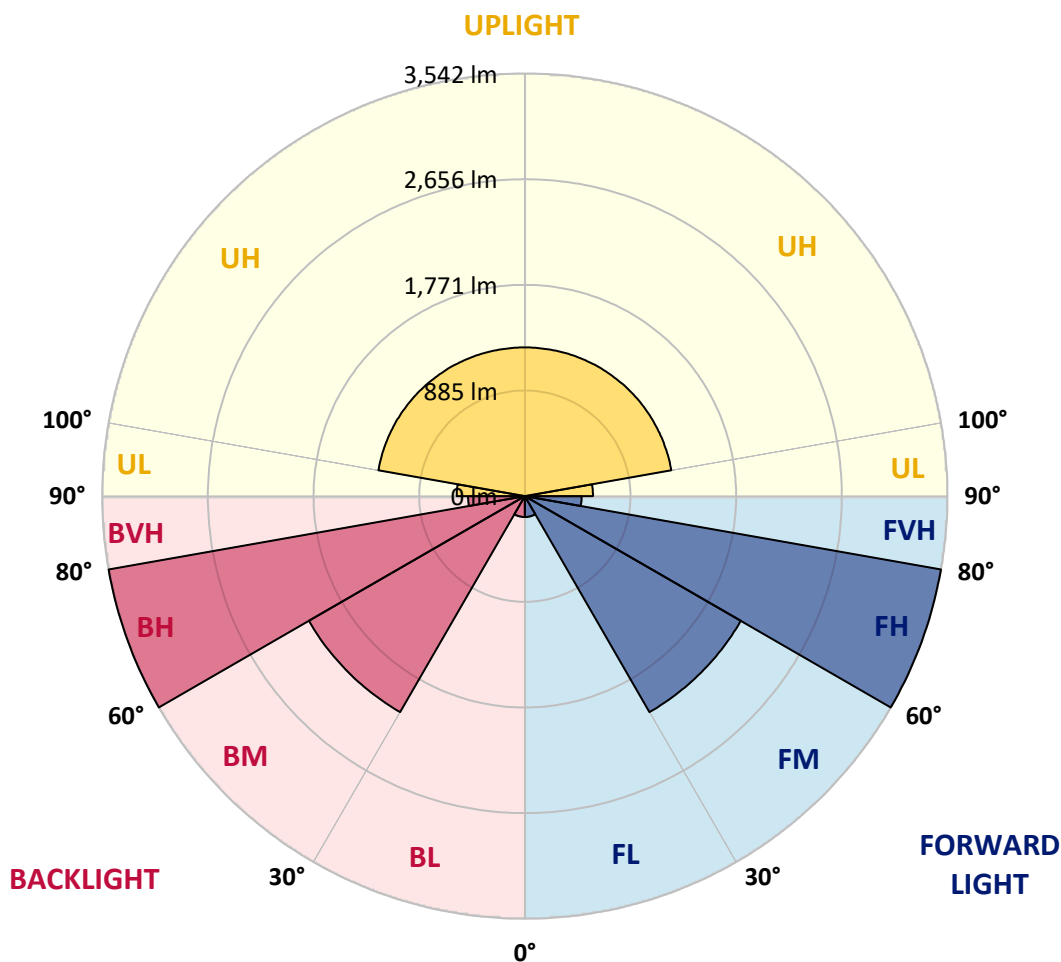
CATALOG NUMBER: FFX-CLB-90-740-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.2	1.2			
FM (30°-60°)	2089.8	14.5			
FH (60°-80°)	3541.6	24.6			G2/5000
FVH (80°-90°)	475.9	3.3			G3/500
BL (0°-30°)	175.2	1.2	B1/500		
BM (30°-60°)	2089.8	14.5	B2/2500		
BH (60°-80°)	3541.6	24.6	B4/5000		G2/5000
BVH (80°-90°)	475.9	3.3			G3/500
UL (90°-100°)	571.1	4.0		U4/1000	
UH (100°-180°)	1246.4	8.7		U5	

BUG Rating: B4-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1	422.1
2.5°	377.0	383.0	366.5	353.0	347.0	348.5	362.0	375.5	362.0	366.5	366.5
5°	312.4	313.9	313.9	310.9	315.4	306.4	295.9	295.9	306.4	318.4	318.4
7.5°	301.9	306.4	318.4	318.4	322.9	307.9	292.9	294.4	309.4	327.4	331.9
10°	310.9	310.9	307.9	310.9	321.4	319.9	303.4	295.9	306.4	324.4	330.4
12.5°	324.4	324.4	333.4	347.0	348.5	334.9	318.4	316.9	328.9	341.0	341.0
15°	344.0	345.5	350.0	348.5	353.0	348.5	344.0	347.0	354.5	354.5	354.5
17.5°	369.5	369.5	369.5	369.5	369.5	371.0	372.5	372.5	372.5	375.5	375.5
20°	398.0	398.0	396.5	395.0	395.0	396.5	398.0	398.0	398.0	401.0	401.0
22.5°	434.1	432.6	429.6	429.6	429.6	431.1	428.1	426.6	425.1	426.6	426.6
25°	476.1	476.1	473.1	468.6	468.6	467.1	462.6	461.1	459.6	462.6	461.1
27.5°	518.2	518.2	513.7	507.7	507.7	507.7	504.7	501.7	498.7	500.2	500.2
30°	557.2	554.2	552.7	548.2	546.7	548.2	545.2	545.2	539.2	537.7	540.7
32.5°	593.3	590.3	593.3	588.8	584.3	588.8	587.3	587.3	578.3	575.3	578.3
35°	692.4	684.9	690.9	680.4	674.4	675.9	678.9	684.9	675.9	671.4	672.9
37.5°	799.1	797.6	817.1	833.6	830.6	805.1	788.6	791.6	803.6	820.1	820.1
40°	898.2	895.2	899.7	893.7	893.7	890.7	889.2	896.7	872.7	866.7	862.2
42.5°	1001.8	1000.3	974.8	938.8	931.3	961.3	974.8	985.3	950.8	938.8	929.7
45°	1104.0	1083.0	1078.4	1066.4	1054.4	1073.9	1072.4	1080.0	1063.4	1061.9	1054.4
47.5°	1318.8	1279.7	1266.2	1267.7	1242.2	1263.2	1272.2	1296.2	1261.7	1263.2	1261.7
50°	1706.3	1656.7	1679.3	1664.2	1637.2	1662.7	1661.2	1704.8	1647.7	1668.7	1659.7
52.5°	2311.6	2244.0	2257.5	2248.5	2221.5	2274.1	2286.1	2350.7	2241.0	2268.0	2260.5
55°	3187.3	3113.7	3143.7	3035.6	3007.0	3110.7	3149.7	3224.8	3079.1	3094.2	3086.6
57.5°	4022.4	4017.9	4069.0	3992.4	3966.8	4040.4	4004.4	4070.5	3992.4	4047.9	4029.9
60°	4591.7	4603.7	4654.7	4677.3	4632.2	4671.3	4584.2	4633.7	4609.7	4690.8	4683.3
62.5°	4887.6	4926.6	4896.6	4898.1	4848.5	4878.6	4862.0	4890.6	4884.6	4892.1	4884.6
65°	4893.6	4941.6	4875.5	4845.5	4824.5	4836.5	4865.0	4865.0	4847.0	4792.9	4805.0
67.5°	4573.6	4645.7	4572.1	4530.1	4542.1	4537.6	4557.1	4531.6	4521.1	4441.5	4443.0
70°	3786.6	3902.2	3794.1	3755.0	3786.6	3806.1	3804.6	3783.6	3767.1	3667.9	3696.5
72.5°	2874.9	2977.0	2880.9	2865.8	2895.9	2925.9	2900.4	2925.9	2898.9	2853.8	2867.3
75°	2170.4	2257.5	2257.5	2314.6	2323.6	2307.1	2236.5	2265.0	2283.1	2284.6	2298.1
77.5°	1596.6	1688.3	1736.3	1829.5	1825.0	1796.4	1710.8	1743.8	1778.4	1802.4	1818.9
80°	1135.5	1204.6	1275.2	1341.3	1350.3	1326.3	1273.7	1293.2	1314.3	1330.8	1339.8
82.5°	880.2	911.7	898.2	890.7	902.7	937.3	949.3	961.3	931.3	911.7	919.2
85°	767.5	770.5	794.6	811.1	815.6	815.6	803.6	812.6	820.1	839.6	839.6
87.5°	699.9	702.9	763.0	779.5	785.6	778.0	763.0	769.0	775.0	787.1	787.1
90°	621.8	630.8	690.9	704.4	710.5	698.4	693.9	698.4	690.9	695.4	695.4
92.5°	578.3	578.3	606.8	600.8	599.3	600.8	602.3	606.8	599.3	596.3	596.3
95°	528.7	536.2	528.7	534.7	533.2	525.7	522.7	525.7	521.2	521.2	524.2
97.5°	443.1	444.6	431.1	435.6	435.6	429.6	422.1	425.1	420.6	423.6	425.1
100°	414.6	410.1	387.5	384.5	383.0	378.5	374.0	374.0	372.5	371.0	372.5
102.5°	405.5	405.5	375.5	369.5	366.5	359.0	353.0	353.0	353.0	353.0	354.5
105°	371.0	381.5	359.0	354.5	350.0	341.0	331.9	330.4	333.4	330.4	334.9
107.5°	336.5	345.5	333.4	333.4	328.9	319.9	313.9	312.4	313.9	310.9	313.9
110°	316.9	321.4	307.9	307.9	304.9	297.4	295.9	294.4	294.4	289.9	292.9



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CATALOG NUMBER: FFX-CLB-90-740-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	292.9	292.9	282.4	279.4	279.4	274.9	273.4	271.9	271.9	271.9	273.4
115°	291.4	289.9	273.4	262.9	261.4	259.8	261.4	259.8	259.8	258.3	258.3
117.5°	356.0	341.0	285.4	259.8	259.8	261.4	267.4	262.9	252.3	252.3	250.8
120°	384.5	387.5	328.9	301.9	295.9	288.4	286.9	283.9	273.4	271.9	277.9
122.5°	339.5	354.5	318.4	307.9	301.9	292.9	286.9	285.4	285.4	277.9	288.4
125°	264.4	277.9	259.8	258.3	256.8	258.3	255.3	255.3	258.3	253.8	255.3
127.5°	226.8	232.8	225.3	225.3	223.8	222.3	219.3	220.8	219.3	220.8	222.3
130°	217.8	222.3	214.8	211.8	211.8	213.3	213.3	213.3	208.8	205.8	207.3
132.5°	216.3	214.8	202.8	196.8	196.8	207.3	211.8	211.8	201.3	193.8	193.8
135°	195.3	196.8	195.3	187.8	189.3	192.3	196.8	198.3	187.8	183.2	184.7
137.5°	187.8	192.3	193.8	190.8	190.8	187.8	186.3	187.8	184.7	186.3	186.3
140°	187.8	189.3	193.8	196.8	193.8	190.8	190.8	190.8	192.3	196.8	199.8
142.5°	192.3	193.8	192.3	190.8	195.3	202.8	208.8	208.8	204.3	201.3	202.8
145°	220.8	225.3	225.3	220.8	223.8	220.8	220.8	217.8	217.8	217.8	219.3
147.5°	210.3	208.8	211.8	216.3	211.8	210.3	210.3	211.8	214.8	216.3	217.8
150°	165.2	160.7	163.7	172.7	171.2	171.2	171.2	172.7	174.2	174.2	175.7
152.5°	130.7	130.7	133.7	133.7	135.2	135.2	133.7	133.7	133.7	135.2	135.2
155°	117.2	115.7	118.7	123.2	120.2	120.2	120.2	120.2	120.2	120.2	121.7
157.5°	102.1	100.6	100.6	102.1	102.1	102.1	102.1	103.6	103.6	102.1	103.6
160°	93.1	93.1	91.6	91.6	91.6	93.1	94.6	94.6	93.1	91.6	91.6
162.5°	88.6	88.6	85.6	84.1	84.1	85.6	88.6	88.6	85.6	84.1	84.1
165°	88.6	87.1	82.6	79.6	79.6	82.6	87.1	87.1	82.6	79.6	79.6
167.5°	87.1	87.1	84.1	81.1	81.1	84.1	85.6	87.1	85.6	82.6	81.1
170°	84.1	84.1	85.6	85.6	84.1	84.1	84.1	84.1	85.6	85.6	85.6
172.5°	87.1	85.6	87.1	88.6	88.6	87.1	85.6	85.6	87.1	88.6	88.6
175°	88.6	88.6	87.1	87.1	87.1	85.6	85.6	85.6	87.1	88.6	87.1
177.5°	79.6	79.6	78.1	79.6	79.6	79.6	78.1	79.6	79.6	79.6	81.1
180°	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1

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

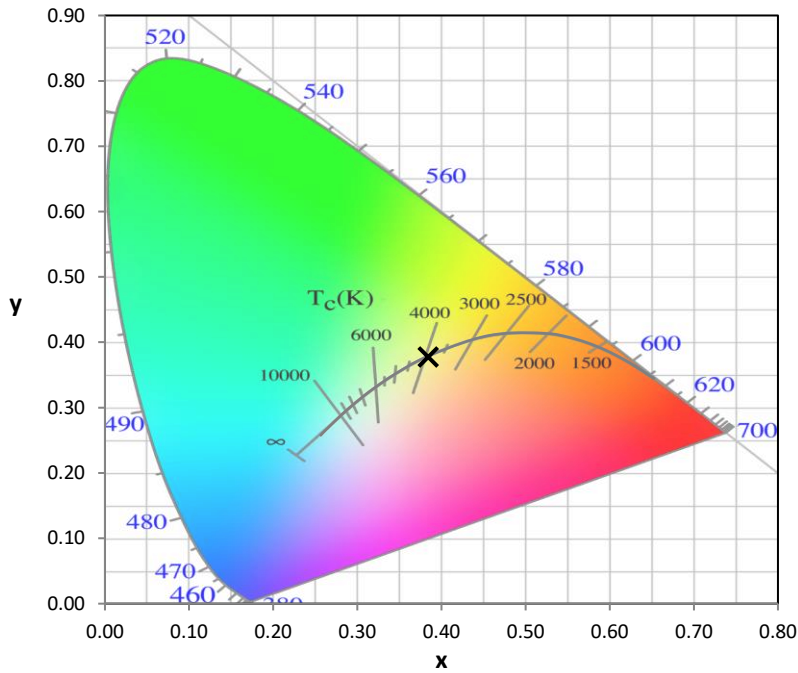
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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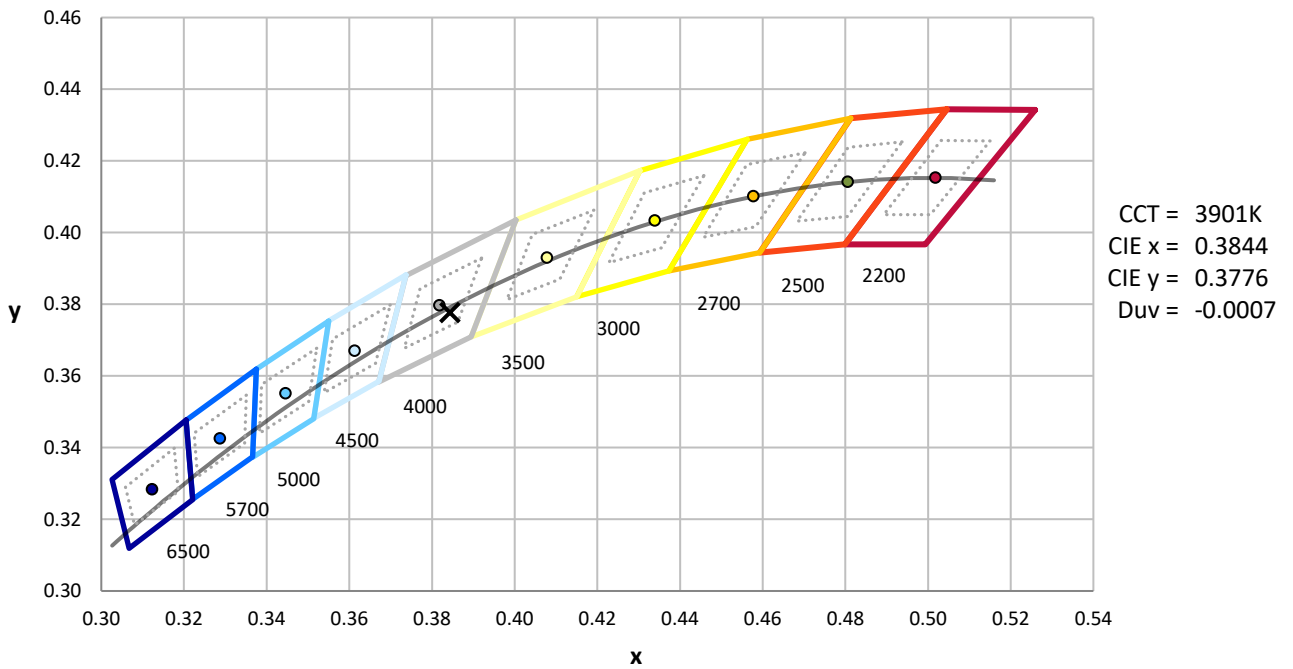
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

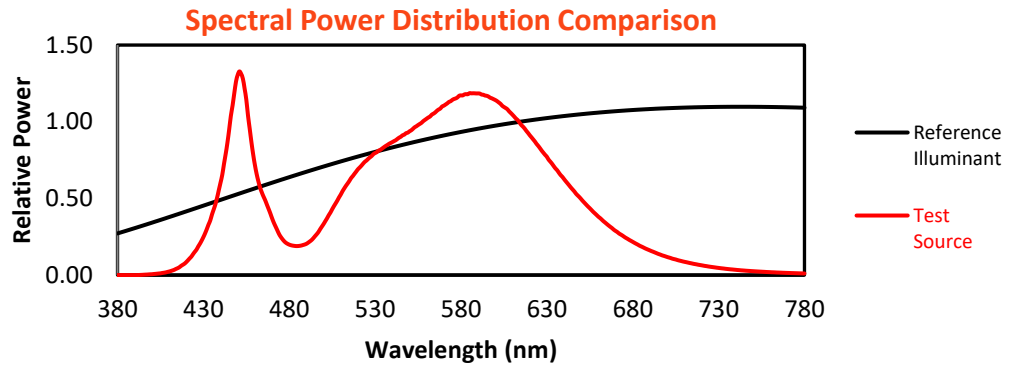
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	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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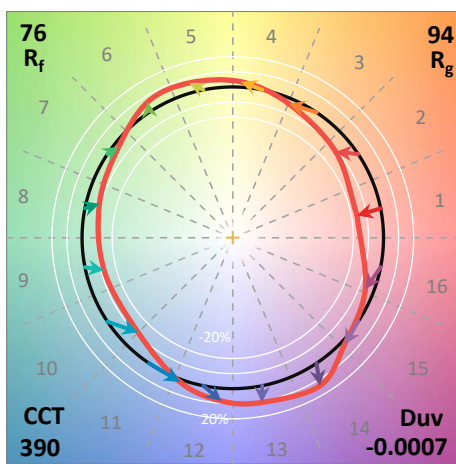
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Summary

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



Color Vector Graphics



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

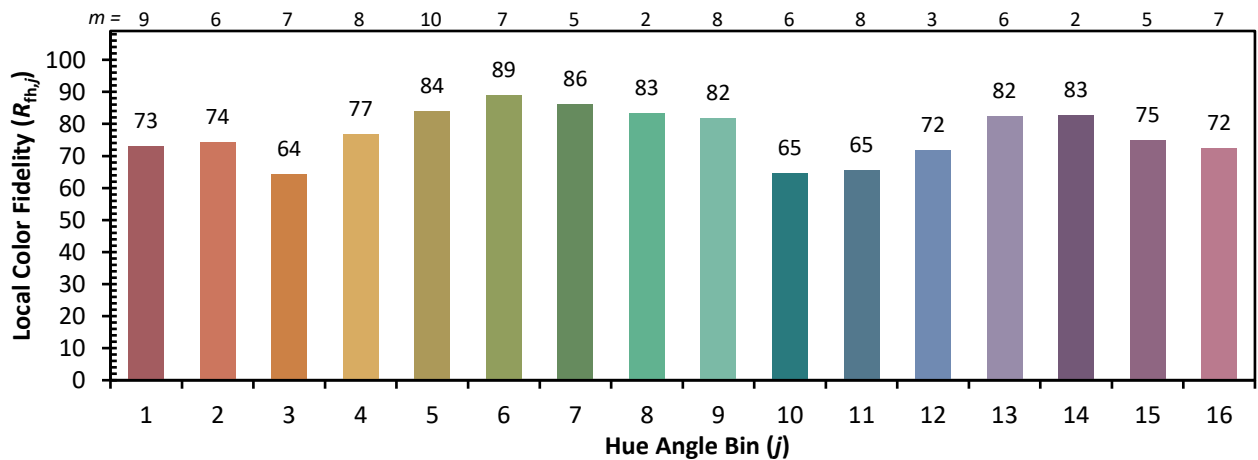
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 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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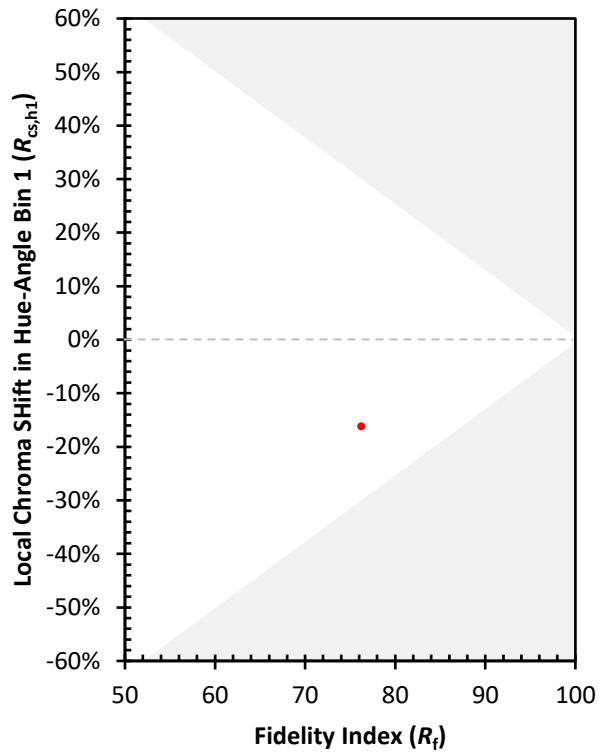
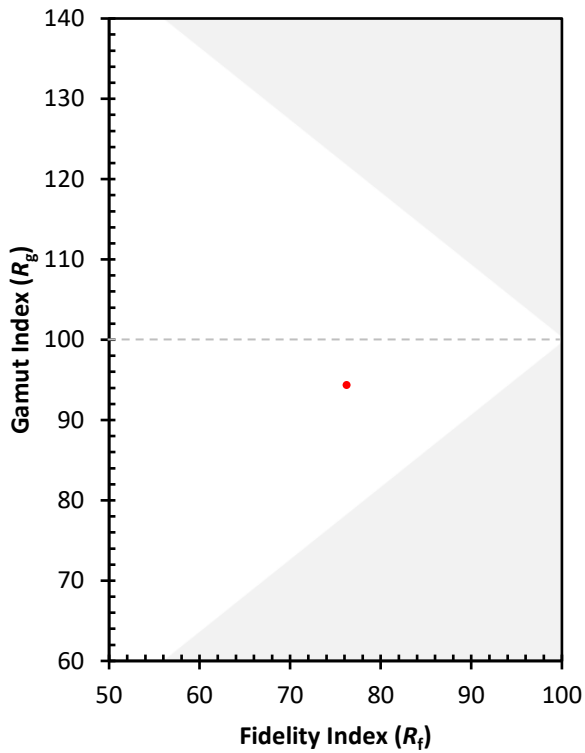
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)