

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: P856168

Luminaire Tested: **FFX-CLB-60-730-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856168
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-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

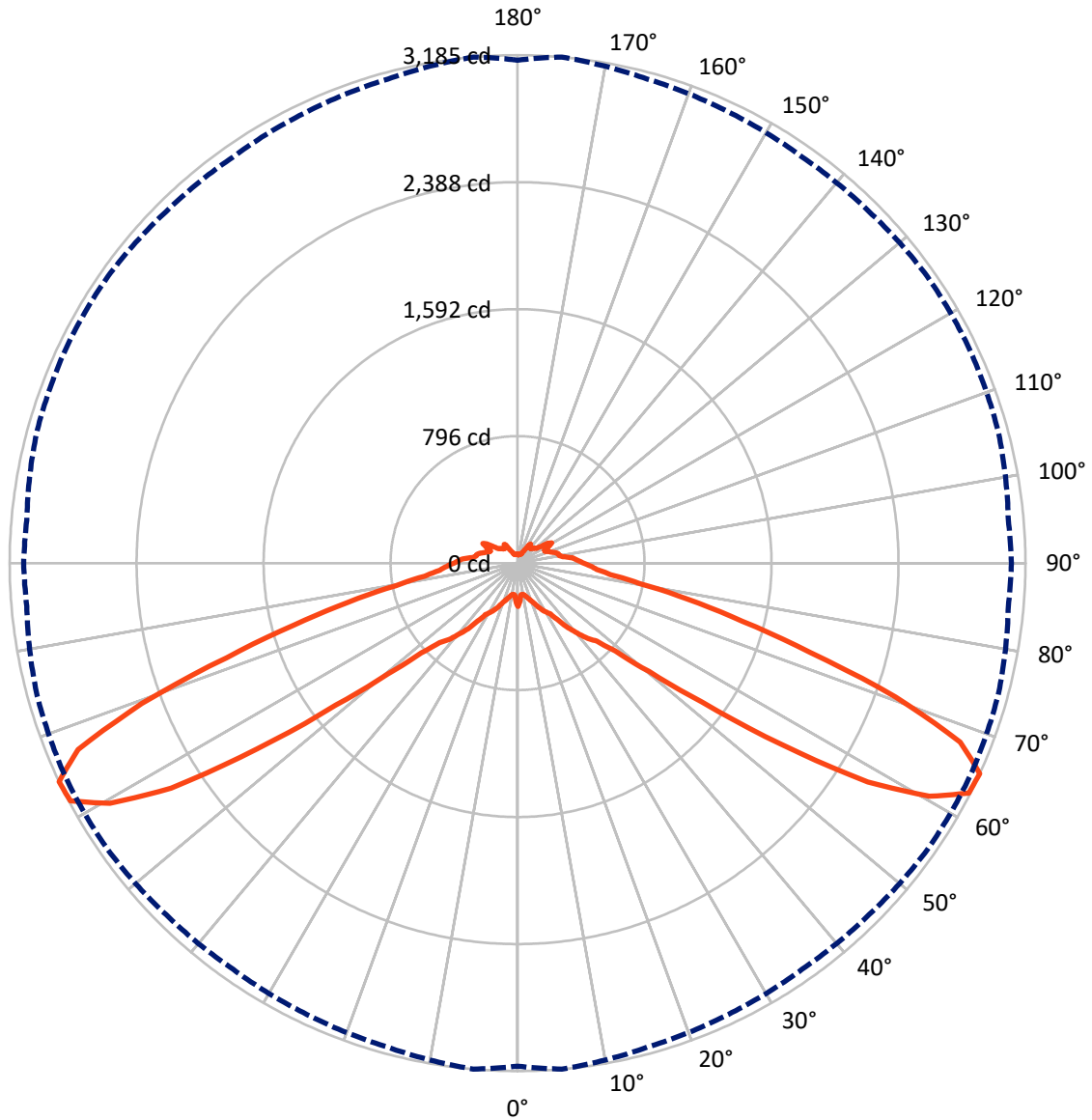
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9268.6 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G3

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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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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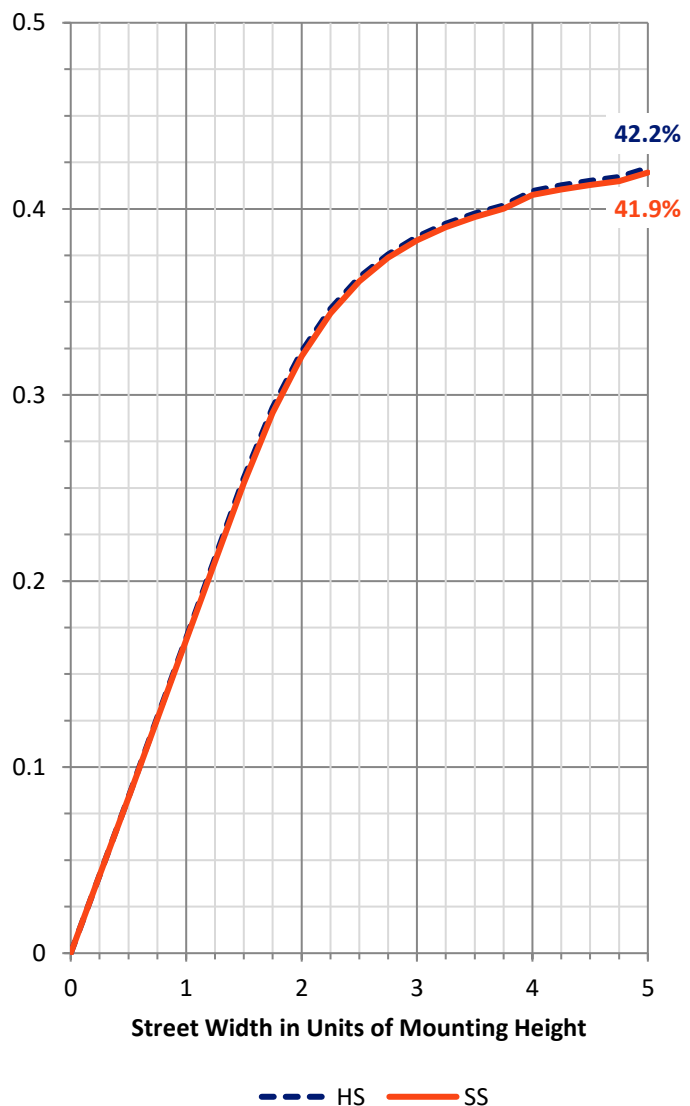
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4048.6	585.6	4634.3
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	4048.6	585.6	4634.3
	% Fixture	43.7	6.3	50.0
Total	Lumens	8097.3	1171.3	9268.6
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.2
10°-20°	65.1	0.7
20°-30°	141.1	1.5
30°-40°	285.8	3.1
40°-50°	576.1	6.2
50°-60°	1831.6	19.8
60°-70°	2953.8	31.9
70°-80°	1610.8	17.4
80°-90°	613.3	6.6
90°-100°	368.1	4.0
100°-110°	234.7	2.5
110°-120°	178.5	1.9
120°-130°	151.1	1.6
130°-140°	98.4	1.1
140°-150°	82.5	0.9
150°-160°	37.0	0.4
160°-170°	15.7	0.2
170°-180°	5.2	0.1
0°-90°	8097.3	87.4
0°-180°	9268.6	100.0



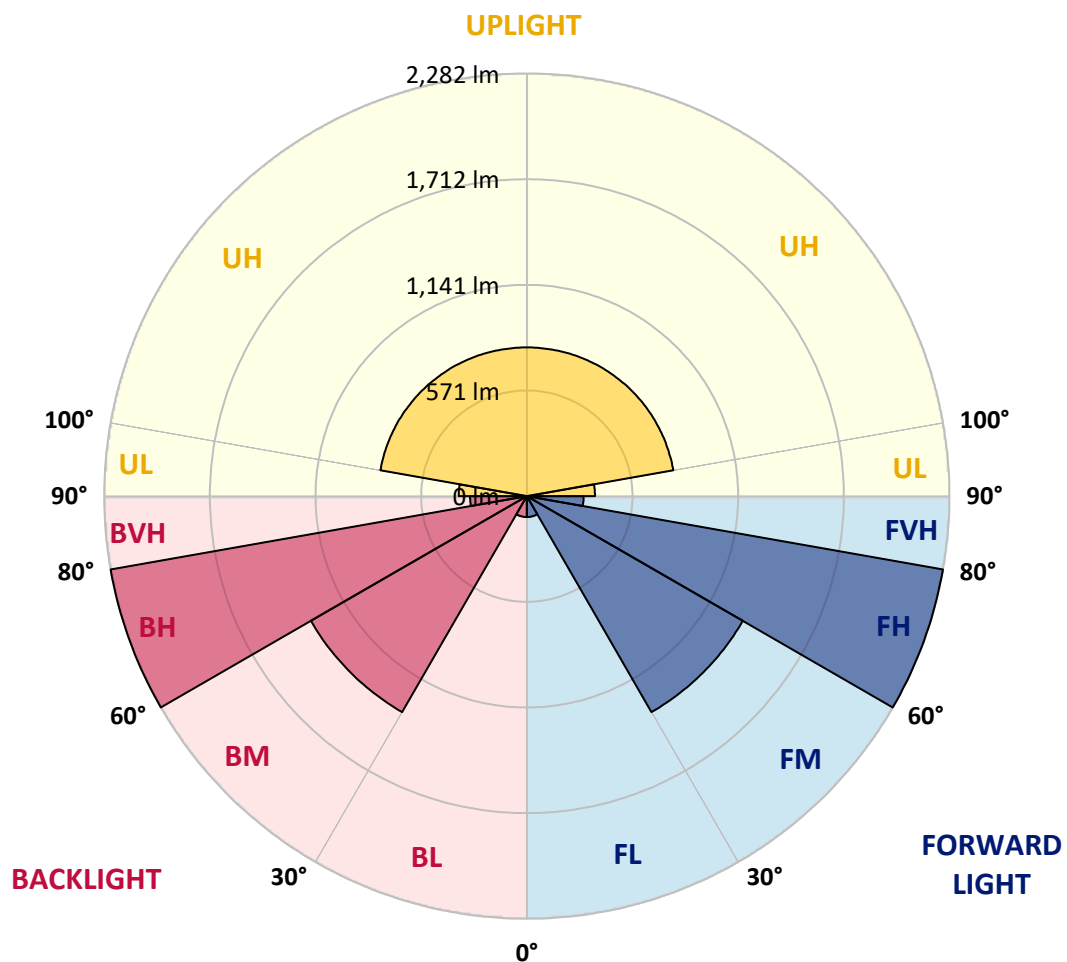
REPORT NUMBER: P856168
 CATALOG NUMBER: FFX-CLB-60-730-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.9	1.2			
FM (30°-60°)	1346.7	14.5			
FH (60°-80°)	2282.3	24.6			G2/5000
FVH (80°-90°)	306.7	3.3			G3/500
BL (0°-30°)	112.9	1.2	B1/500		
BM (30°-60°)	1346.7	14.5	B2/2500		
BH (60°-80°)	2282.3	24.6	B3/2500		G2/5000
BVH (80°-90°)	306.7	3.3			G3/500
UL (90°-100°)	368.1	4.0		U3/500	
UH (100°-180°)	803.2	8.7		U4/1000	

BUG Rating: B3-U4-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0
2.5°	243.0	246.8	236.2	227.5	223.6	224.6	233.3	242.0	233.3	236.2	236.2
5°	201.3	202.3	202.3	200.4	203.3	197.5	190.7	190.7	197.5	205.2	205.2
7.5°	194.6	197.5	205.2	205.2	208.1	198.4	188.8	189.7	199.4	211.0	213.9
10°	200.4	200.4	198.4	200.4	207.1	206.2	195.5	190.7	197.5	209.1	212.9
12.5°	209.1	209.1	214.9	223.6	224.6	215.9	205.2	204.2	212.0	219.7	219.7
15°	221.7	222.6	225.5	224.6	227.5	224.6	221.7	223.6	228.4	228.4	228.4
17.5°	238.1	238.1	238.1	238.1	238.1	239.1	240.1	240.1	240.1	242.0	242.0
20°	256.5	256.5	255.5	254.6	254.6	255.5	256.5	256.5	256.5	258.4	258.4
22.5°	279.7	278.8	276.8	276.8	276.8	277.8	275.9	274.9	273.9	274.9	274.9
25°	306.8	306.8	304.9	302.0	302.0	301.0	298.1	297.2	296.2	298.1	297.2
27.5°	333.9	333.9	331.0	327.2	327.2	327.2	325.2	323.3	321.4	322.3	322.3
30°	359.1	357.2	356.2	353.3	352.3	353.3	351.4	351.4	347.5	346.5	348.5
32.5°	382.3	380.4	382.3	379.4	376.5	379.4	378.5	378.5	372.7	370.7	372.7
35°	446.2	441.4	445.3	438.5	434.6	435.6	437.5	441.4	435.6	432.7	433.6
37.5°	515.0	514.0	526.6	537.2	535.3	518.8	508.2	510.1	517.9	528.5	528.5
40°	578.8	576.9	579.8	575.9	575.9	574.0	573.0	577.9	562.4	558.5	555.6
42.5°	645.6	644.7	628.2	605.0	600.1	619.5	628.2	635.0	612.7	605.0	599.2
45°	711.4	697.9	695.0	687.2	679.5	692.1	691.1	696.0	685.3	684.3	679.5
47.5°	849.9	824.7	816.0	817.0	800.5	814.0	819.9	835.3	813.1	814.0	813.1
50°	1099.6	1067.7	1082.2	1072.5	1055.1	1071.5	1070.6	1098.6	1061.8	1075.4	1069.6
52.5°	1489.7	1446.1	1454.8	1449.0	1431.6	1465.5	1473.2	1514.8	1444.2	1461.6	1456.8
55°	2054.0	2006.6	2025.9	1956.2	1937.8	2004.6	2029.8	2078.2	1984.3	1994.0	1989.1
57.5°	2592.2	2589.3	2622.2	2572.8	2556.4	2603.8	2580.6	2623.2	2572.8	2608.6	2597.0
60°	2959.0	2966.8	2999.7	3014.2	2985.2	3010.3	2954.2	2986.1	2970.6	3022.9	3018.1
62.5°	3149.7	3174.9	3155.5	3156.5	3124.6	3143.9	3133.3	3151.7	3147.8	3152.6	3147.8
65°	3153.6	3184.6	3142.0	3122.6	3109.1	3116.8	3135.2	3135.2	3123.6	3088.7	3096.5
67.5°	2947.4	2993.9	2946.4	2919.3	2927.1	2924.2	2936.8	2920.3	2913.5	2862.2	2863.2
70°	2440.2	2514.7	2445.0	2419.9	2440.2	2452.8	2451.8	2438.3	2427.6	2363.7	2382.1
72.5°	1852.7	1918.5	1856.5	1846.9	1866.2	1885.6	1869.1	1885.6	1868.1	1839.1	1847.8
75°	1398.7	1454.8	1454.8	1491.6	1497.4	1486.8	1441.3	1459.7	1471.3	1472.3	1481.0
77.5°	1028.9	1088.0	1119.0	1179.0	1176.1	1157.7	1102.5	1123.8	1146.1	1161.5	1172.2
80°	731.8	776.3	821.8	864.4	870.2	854.7	820.8	833.4	847.0	857.6	863.4
82.5°	567.2	587.5	578.8	574.0	581.7	604.0	611.7	619.5	600.1	587.5	592.4
85°	494.6	496.6	512.0	522.7	525.6	525.6	517.9	523.7	528.5	541.1	541.1
87.5°	451.1	453.0	491.7	502.4	506.2	501.4	491.7	495.6	499.5	507.2	507.2
90°	400.7	406.5	445.3	454.0	457.8	450.1	447.2	450.1	445.3	448.2	448.2
92.5°	372.7	372.7	391.1	387.2	386.2	387.2	388.1	391.1	386.2	384.3	384.3
95°	340.7	345.6	340.7	344.6	343.6	338.8	336.8	338.8	335.9	335.9	337.8
97.5°	285.5	286.5	277.8	280.7	280.7	276.8	272.0	273.9	271.0	273.0	273.9
100°	267.2	264.3	249.7	247.8	246.8	243.9	241.0	241.0	240.1	239.1	240.1
102.5°	261.3	261.3	242.0	238.1	236.2	231.3	227.5	227.5	227.5	227.5	228.4
105°	239.1	245.9	231.3	228.4	225.5	219.7	213.9	212.9	214.9	212.9	215.9
107.5°	216.8	222.6	214.9	214.9	212.0	206.2	202.3	201.3	202.3	200.4	202.3
110°	204.2	207.1	198.4	198.4	196.5	191.7	190.7	189.7	189.7	186.8	188.8



REPORT NUMBER: P856168

CATALOG NUMBER: FFX-CLB-60-730-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	188.8	188.8	182.0	180.0	180.0	177.1	176.2	175.2	175.2	175.2	176.2
115°	187.8	186.8	176.2	169.4	168.4	167.5	168.4	167.5	167.5	166.5	166.5
117.5°	229.4	219.7	183.9	167.5	167.5	168.4	172.3	169.4	162.6	162.6	161.6
120°	247.8	249.7	212.0	194.6	190.7	185.8	184.9	182.9	176.2	175.2	179.1
122.5°	218.8	228.4	205.2	198.4	194.6	188.8	184.9	183.9	183.9	179.1	185.8
125°	170.4	179.1	167.5	166.5	165.5	166.5	164.6	164.6	166.5	163.6	164.6
127.5°	146.2	150.0	145.2	145.2	144.2	143.3	141.3	142.3	141.3	142.3	143.3
130°	140.4	143.3	138.4	136.5	136.5	137.4	137.4	137.4	134.5	132.6	133.6
132.5°	139.4	138.4	130.7	126.8	126.8	133.6	136.5	136.5	129.7	124.9	124.9
135°	125.8	126.8	125.8	121.0	122.0	123.9	126.8	127.8	121.0	118.1	119.1
137.5°	121.0	123.9	124.9	122.9	122.9	121.0	120.0	121.0	119.1	120.0	120.0
140°	121.0	122.0	124.9	126.8	124.9	122.9	122.9	122.9	123.9	126.8	128.7
142.5°	123.9	124.9	123.9	122.9	125.8	130.7	134.5	134.5	131.6	129.7	130.7
145°	142.3	145.2	145.2	142.3	144.2	142.3	142.3	140.4	140.4	140.4	141.3
147.5°	135.5	134.5	136.5	139.4	136.5	135.5	135.5	136.5	138.4	139.4	140.4
150°	106.5	103.6	105.5	111.3	110.3	110.3	110.3	111.3	112.3	112.3	113.3
152.5°	84.2	84.2	86.1	86.1	87.1	87.1	86.1	86.1	86.1	87.1	87.1
155°	75.5	74.5	76.5	79.4	77.4	77.4	77.4	77.4	77.4	77.4	78.4
157.5°	65.8	64.9	64.9	65.8	65.8	65.8	65.8	66.8	66.8	65.8	66.8
160°	60.0	60.0	59.0	59.0	59.0	60.0	61.0	61.0	60.0	59.0	59.0
162.5°	57.1	57.1	55.2	54.2	54.2	55.2	57.1	57.1	55.2	54.2	54.2
165°	57.1	56.1	53.2	51.3	51.3	53.2	56.1	56.1	53.2	51.3	51.3
167.5°	56.1	56.1	54.2	52.3	52.3	54.2	55.2	56.1	55.2	53.2	52.3
170°	54.2	54.2	55.2	55.2	54.2	54.2	54.2	54.2	55.2	55.2	55.2
172.5°	56.1	55.2	56.1	57.1	57.1	56.1	55.2	55.2	56.1	57.1	57.1
175°	57.1	57.1	56.1	56.1	56.1	55.2	55.2	55.2	56.1	57.1	56.1
177.5°	51.3	51.3	50.3	51.3	51.3	51.3	50.3	51.3	51.3	51.3	52.3
180°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4

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.

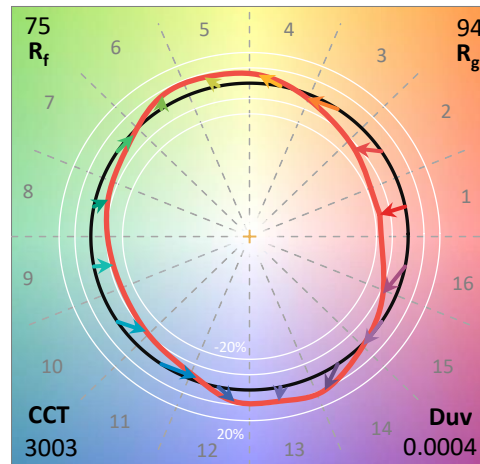
Test Information

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



Test Conditions

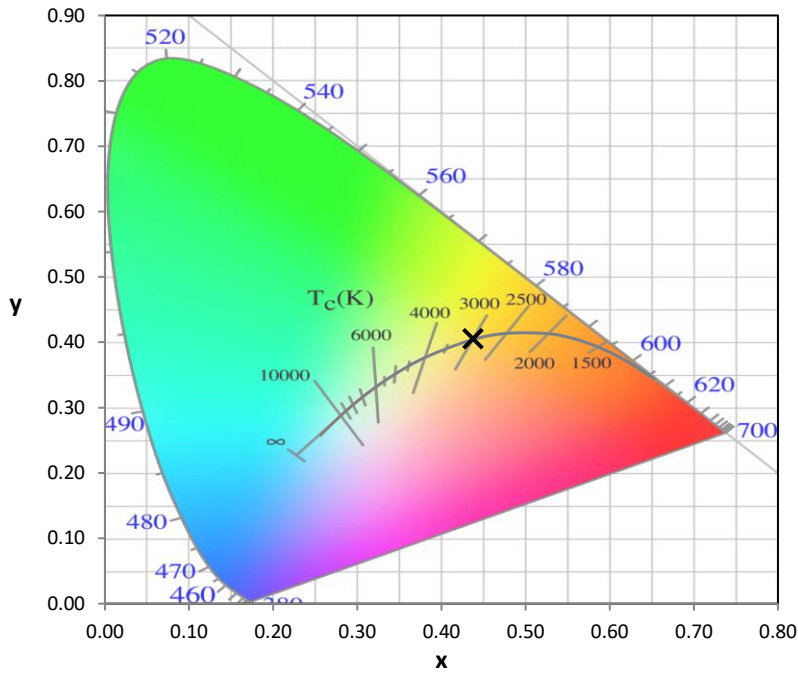
Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-4

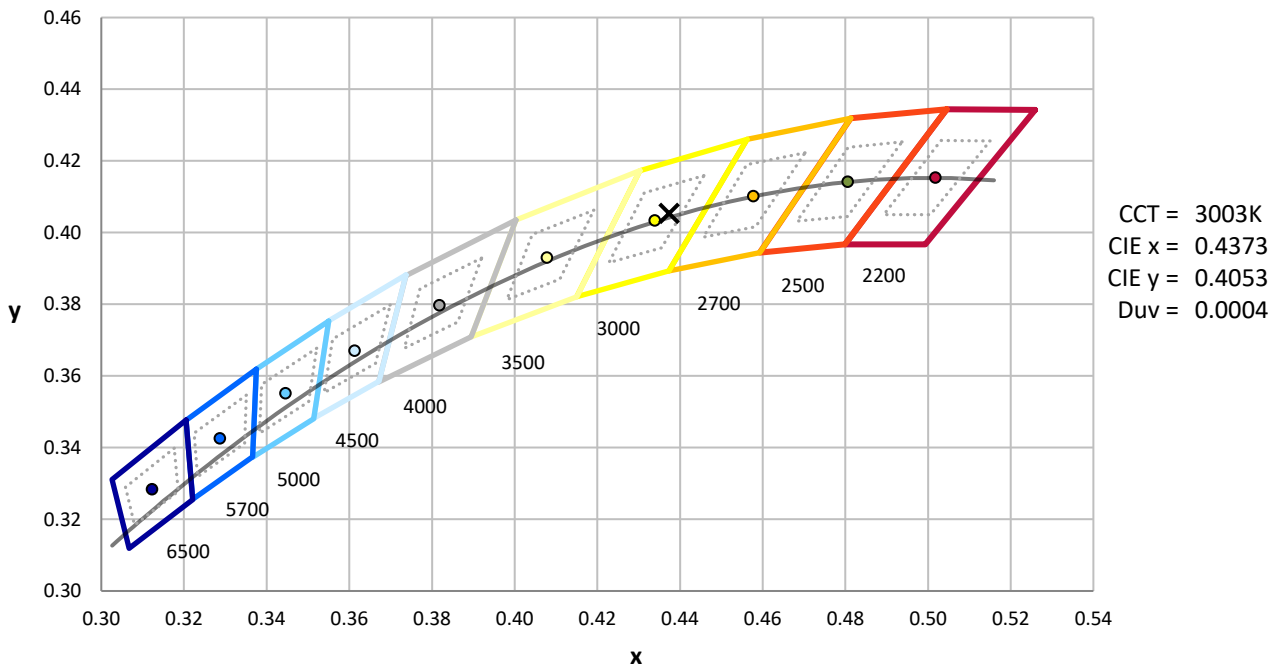
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

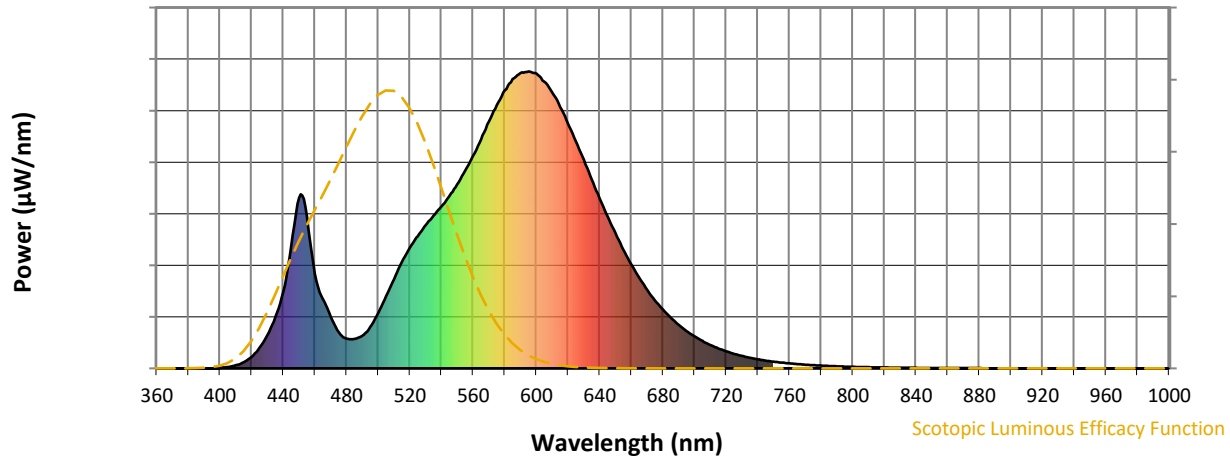


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2406-133-4

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

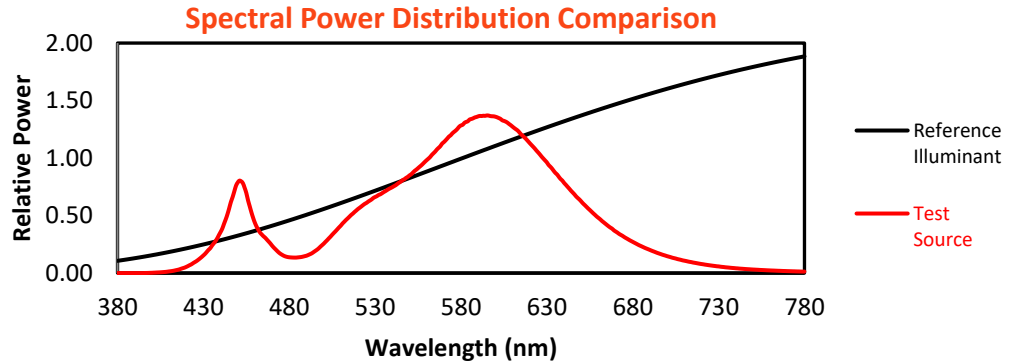
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	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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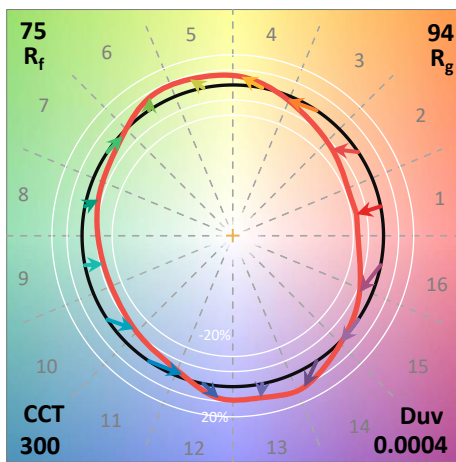
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Summary

$R_f = 75.2$
 $R_g = 93.8$
 CIE $R_a = 71.9$
 $R_9 = -33.7$



Color Vector Graphics

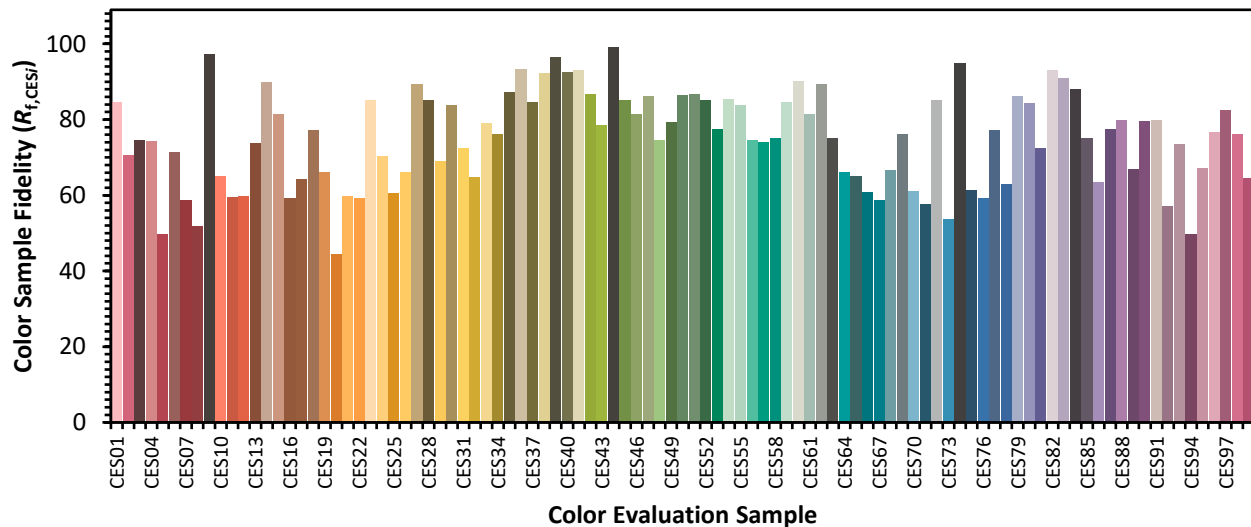


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Individual Sample Fidelity Index ($R_{f,i}$)

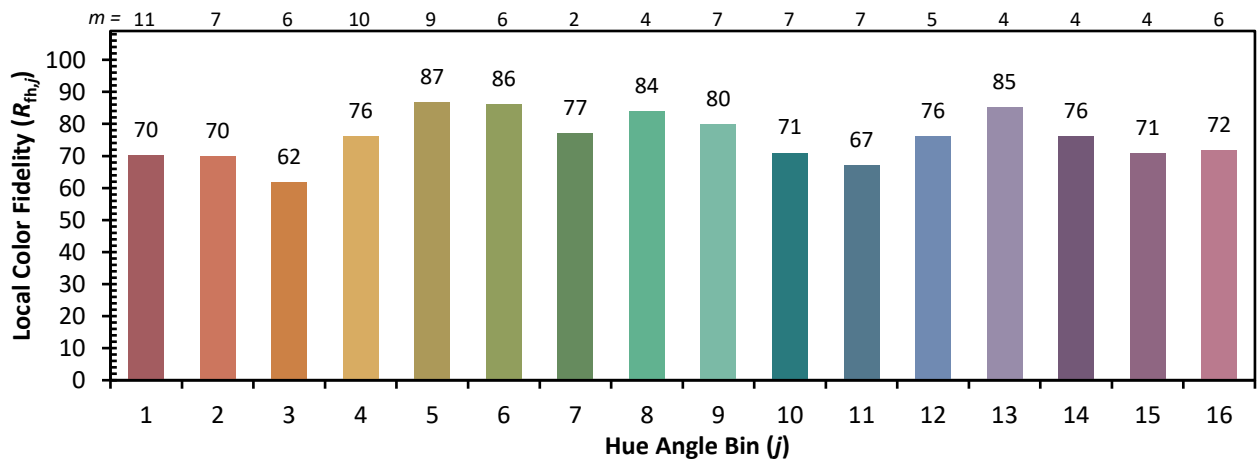
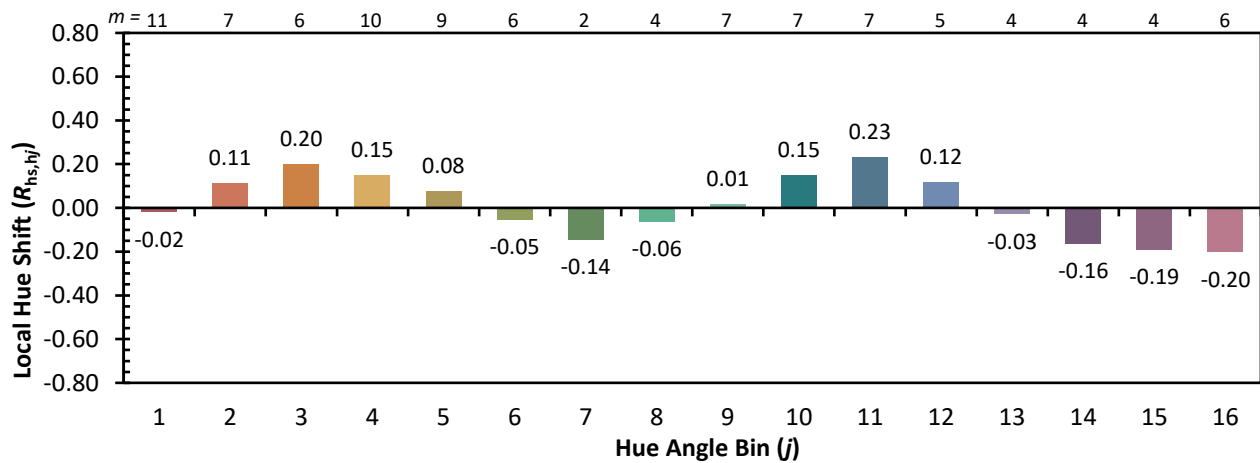
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CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 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	



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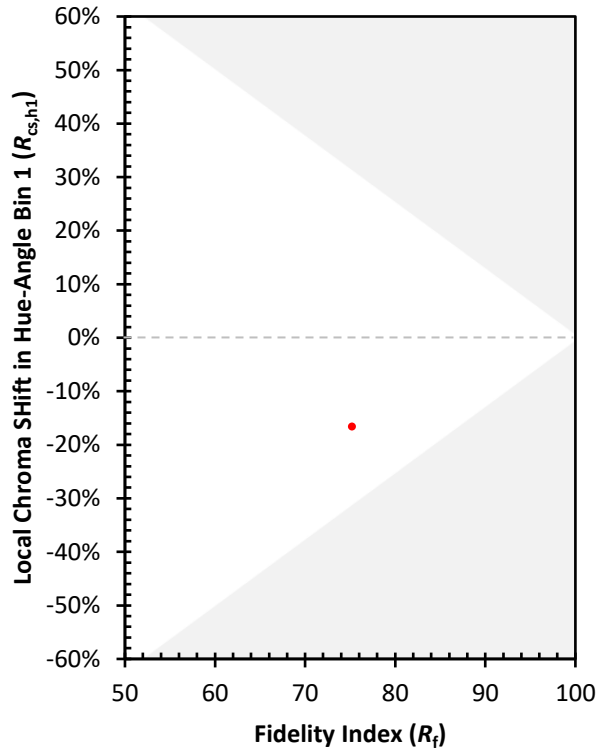
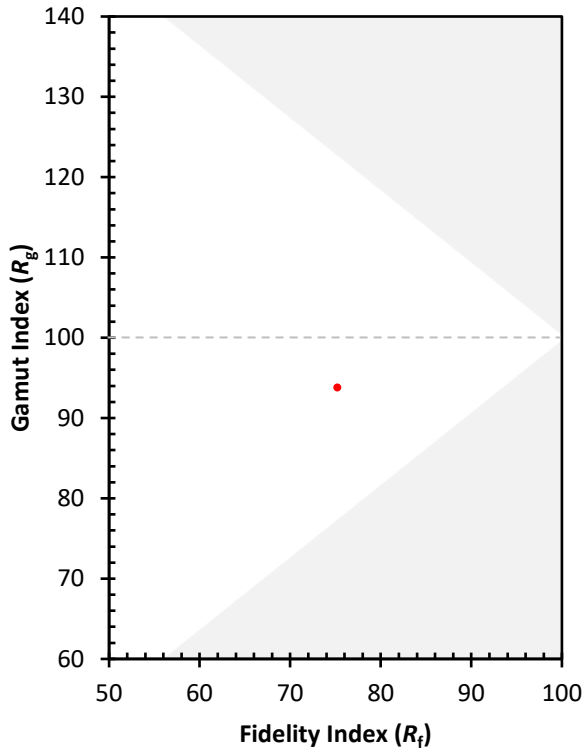
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)