

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: P856149

Luminaire Tested: **FFX-CLB-70-722-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856149
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-70-722-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

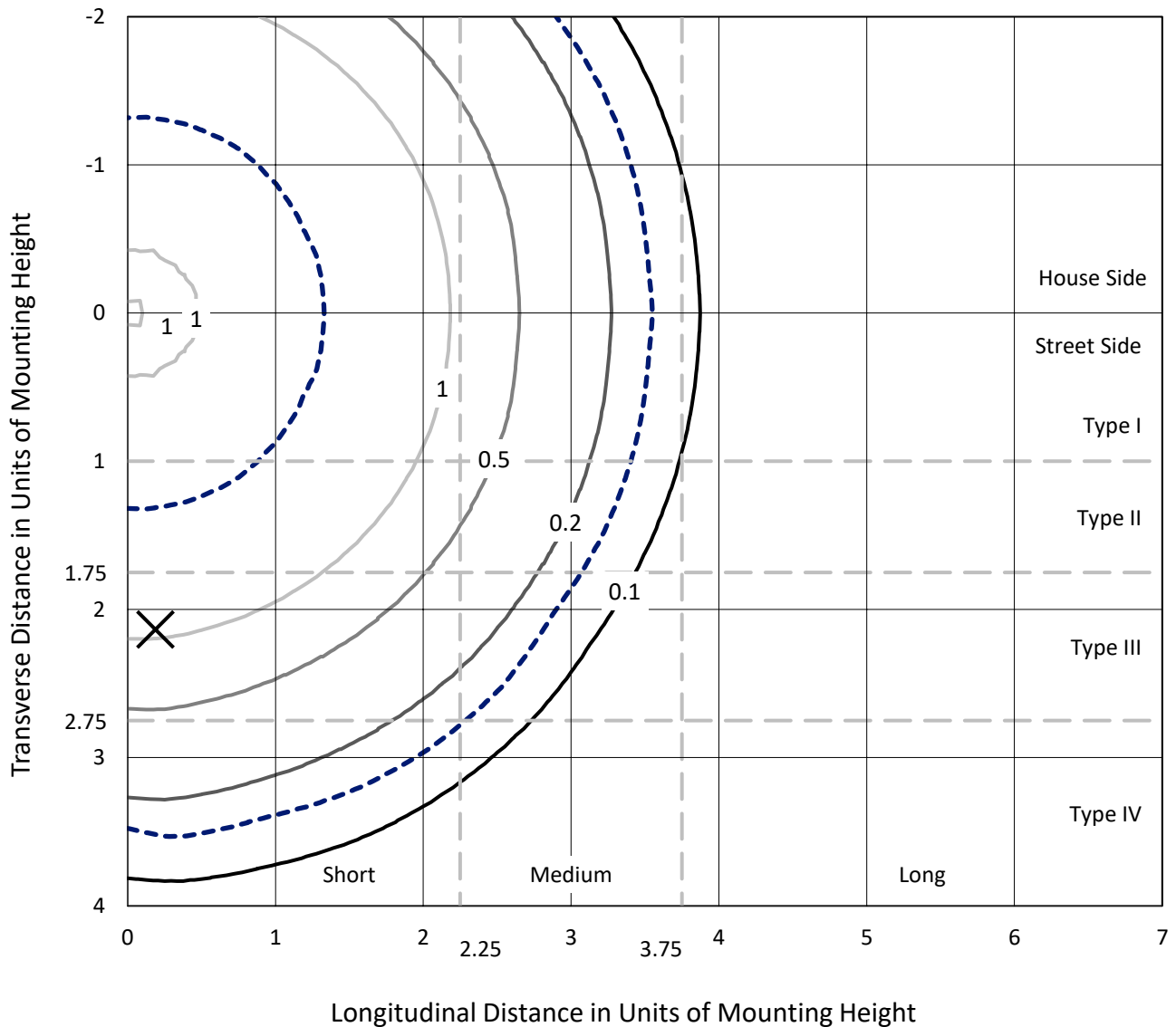
Lumens per Lamp: N/A
Luminaire Lumens: 9420.2 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G3

Input Watts (W): 70.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 7.1%%
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

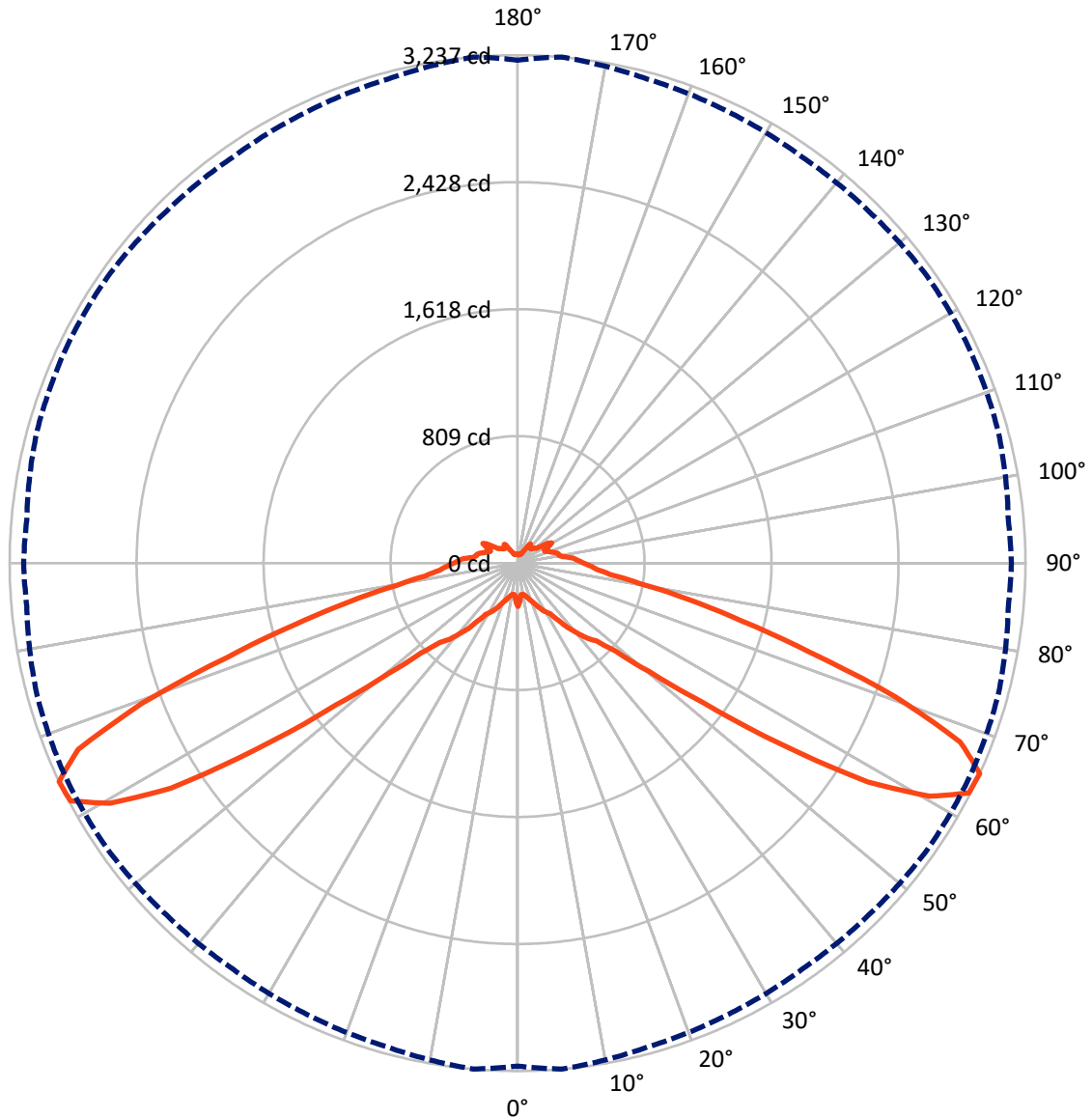
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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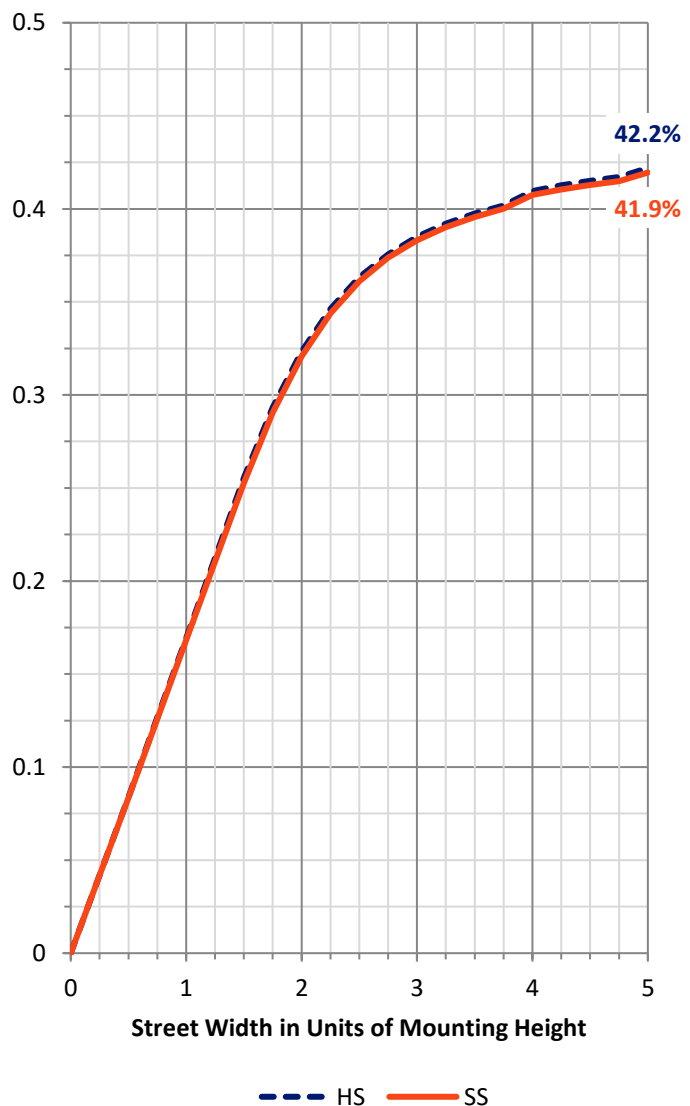
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4114.9	595.2	4710.1
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	4114.9	595.2	4710.1
	% Fixture	43.7	6.3	50.0
Total	Lumens	8229.8	1190.4	9420.2
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.2
10°-20°	66.1	0.7
20°-30°	143.4	1.5
30°-40°	290.4	3.1
40°-50°	585.5	6.2
50°-60°	1861.6	19.8
60°-70°	3002.1	31.9
70°-80°	1637.2	17.4
80°-90°	623.4	6.6
90°-100°	374.1	4.0
100°-110°	238.6	2.5
110°-120°	181.5	1.9
120°-130°	153.5	1.6
130°-140°	100.0	1.1
140°-150°	83.9	0.9
150°-160°	37.6	0.4
160°-170°	15.9	0.2
170°-180°	5.3	0.1
0°-90°	8229.8	87.4
0°-180°	9420.2	100.0



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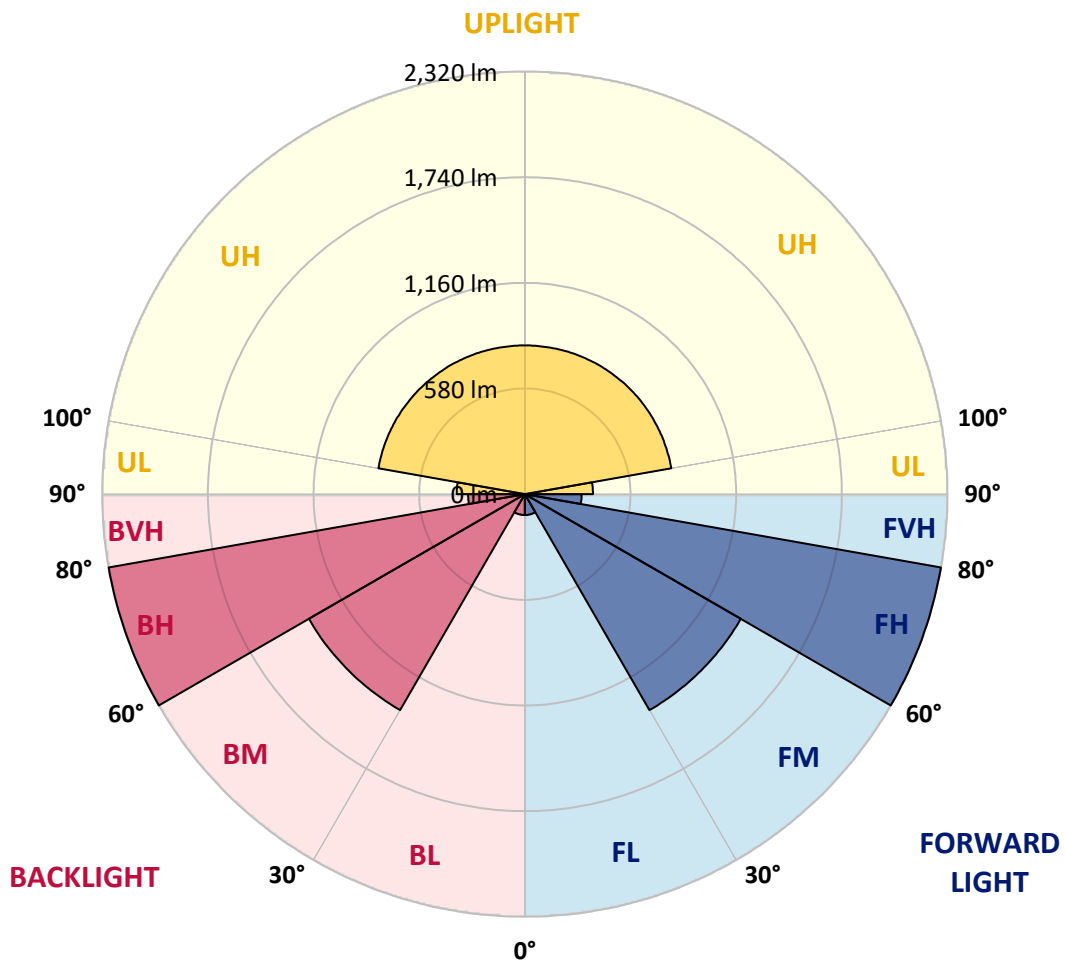
CATALOG NUMBER: FFX-CLB-70-722-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.8	1.2			
FM (30°-60°)	1368.8	14.5			
FH (60°-80°)	2319.7	24.6			G2/5000
FVH (80°-90°)	311.7	3.3			G3/500
BL (0°-30°)	114.8	1.2	B1/500		
BM (30°-60°)	1368.8	14.5	B2/2500		
BH (60°-80°)	2319.7	24.6	B3/2500		G2/5000
BVH (80°-90°)	311.7	3.3			G3/500
UL (90°-100°)	374.1	4.0		U3/500	
UH (100°-180°)	816.4	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°	276.4	276.4	276.4	276.4	276.4	276.4	276.4	276.4	276.4	276.4	276.4
2.5°	246.9	250.9	240.0	231.2	227.3	228.2	237.1	245.9	237.1	240.0	240.0
5°	204.6	205.6	205.6	203.6	206.6	200.7	193.8	193.8	200.7	208.6	208.6
7.5°	197.7	200.7	208.6	208.6	211.5	201.7	191.8	192.8	202.7	214.5	217.4
10°	203.6	203.6	201.7	203.6	210.5	209.5	198.7	193.8	200.7	212.5	216.4
12.5°	212.5	212.5	218.4	227.3	228.2	219.4	208.6	207.6	215.5	223.3	223.3
15°	225.3	226.3	229.2	228.2	231.2	228.2	225.3	227.3	232.2	232.2	232.2
17.5°	242.0	242.0	242.0	242.0	242.0	243.0	244.0	244.0	244.0	245.9	245.9
20°	260.7	260.7	259.7	258.7	258.7	259.7	260.7	260.7	260.7	262.7	262.7
22.5°	284.3	283.3	281.4	281.4	281.4	282.3	280.4	279.4	278.4	279.4	279.4
25°	311.9	311.9	309.9	306.9	306.9	306.0	303.0	302.0	301.0	303.0	302.0
27.5°	339.4	339.4	336.5	332.5	332.5	332.5	330.6	328.6	326.6	327.6	327.6
30°	365.0	363.0	362.0	359.1	358.1	359.1	357.1	357.1	353.2	352.2	354.2
32.5°	388.6	386.6	388.6	385.6	382.7	385.6	384.7	384.7	378.8	376.8	378.8
35°	453.5	448.6	452.5	445.7	441.7	442.7	444.7	448.6	442.7	439.8	440.7
37.5°	523.4	522.4	535.2	546.0	544.0	527.3	516.5	518.5	526.3	537.2	537.2
40°	588.3	586.3	589.3	585.4	585.4	583.4	582.4	587.3	571.6	567.6	564.7
42.5°	656.2	655.2	638.5	614.9	610.0	629.6	638.5	645.4	622.7	614.9	609.0
45°	723.1	709.3	706.4	698.5	690.6	703.4	702.4	707.3	696.5	695.5	690.6
47.5°	863.8	838.2	829.3	830.3	813.6	827.4	833.3	849.0	826.4	827.4	826.4
50°	1117.6	1085.1	1099.9	1090.0	1072.3	1089.1	1088.1	1116.6	1079.2	1093.0	1087.1
52.5°	1514.1	1469.8	1478.6	1472.7	1455.0	1489.5	1497.3	1539.6	1467.8	1485.5	1480.6
55°	2087.6	2039.4	2059.1	1988.2	1969.6	2037.4	2063.0	2112.2	2016.8	2026.6	2021.7
57.5°	2634.6	2631.6	2665.1	2614.9	2598.2	2646.4	2622.8	2666.1	2614.9	2651.3	2639.5
60°	3007.5	3015.3	3048.8	3063.5	3034.0	3059.6	3002.5	3035.0	3019.3	3072.4	3067.5
62.5°	3201.3	3226.8	3207.2	3208.1	3175.7	3195.4	3184.5	3203.2	3199.3	3204.2	3199.3
65°	3205.2	3236.7	3193.4	3173.7	3159.9	3167.8	3186.5	3186.5	3174.7	3139.3	3147.2
67.5°	2995.6	3042.9	2994.7	2967.1	2975.0	2972.0	2984.8	2968.1	2961.2	2909.1	2910.1
70°	2480.1	2555.9	2485.1	2459.5	2480.1	2492.9	2491.9	2478.2	2467.4	2402.4	2421.1
72.5°	1883.0	1949.9	1886.9	1877.1	1896.8	1916.4	1899.7	1916.4	1898.7	1869.2	1878.1
75°	1421.6	1478.6	1478.6	1516.0	1521.9	1511.1	1464.9	1483.6	1495.4	1496.3	1505.2
77.5°	1045.8	1105.8	1137.3	1198.3	1195.3	1176.6	1120.5	1142.2	1164.8	1180.6	1191.4
80°	743.7	789.0	835.2	878.5	884.4	868.7	834.3	847.0	860.8	871.6	877.5
82.5°	576.5	597.2	588.3	583.4	591.3	613.9	621.8	629.6	610.0	597.2	602.1
85°	502.7	504.7	520.4	531.2	534.2	534.2	526.3	532.2	537.2	549.9	549.9
87.5°	458.4	460.4	499.8	510.6	514.5	509.6	499.8	503.7	507.6	515.5	515.5
90°	407.3	413.2	452.5	461.4	465.3	457.5	454.5	457.5	452.5	455.5	455.5
92.5°	378.8	378.8	397.5	393.5	392.5	393.5	394.5	397.5	392.5	390.6	390.6
95°	346.3	351.2	346.3	350.2	349.2	344.3	342.4	344.3	341.4	341.4	343.3
97.5°	290.2	291.2	282.3	285.3	285.3	281.4	276.4	278.4	275.5	277.4	278.4
100°	271.5	268.6	253.8	251.9	250.9	247.9	245.0	245.0	244.0	243.0	244.0
102.5°	265.6	265.6	245.9	242.0	240.0	235.1	231.2	231.2	231.2	231.2	232.2
105°	243.0	249.9	235.1	232.2	229.2	223.3	217.4	216.4	218.4	216.4	219.4
107.5°	220.4	226.3	218.4	218.4	215.5	209.5	205.6	204.6	205.6	203.6	205.6
110°	207.6	210.5	201.7	201.7	199.7	194.8	193.8	192.8	192.8	189.9	191.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	191.8	191.8	185.0	183.0	183.0	180.0	179.1	178.1	178.1	178.1	179.1
115°	190.9	189.9	179.1	172.2	171.2	170.2	171.2	170.2	170.2	169.2	169.2
117.5°	233.2	223.3	186.9	170.2	170.2	171.2	175.1	172.2	165.3	165.3	164.3
120°	251.9	253.8	215.5	197.7	193.8	188.9	187.9	185.9	179.1	178.1	182.0
122.5°	222.3	232.2	208.6	201.7	197.7	191.8	187.9	186.9	186.9	182.0	188.9
125°	173.1	182.0	170.2	169.2	168.2	169.2	167.2	167.2	169.2	166.3	167.2
127.5°	148.6	152.5	147.6	147.6	146.6	145.6	143.6	144.6	143.6	144.6	145.6
130°	142.6	145.6	140.7	138.7	138.7	139.7	139.7	139.7	136.7	134.8	135.8
132.5°	141.7	140.7	132.8	128.9	128.9	135.8	138.7	138.7	131.8	126.9	126.9
135°	127.9	128.9	127.9	123.0	124.0	125.9	128.9	129.9	123.0	120.0	121.0
137.5°	123.0	125.9	126.9	124.9	124.9	123.0	122.0	123.0	121.0	122.0	122.0
140°	123.0	124.0	126.9	128.9	126.9	124.9	124.9	124.9	125.9	128.9	130.8
142.5°	125.9	126.9	125.9	124.9	127.9	132.8	136.7	136.7	133.8	131.8	132.8
145°	144.6	147.6	147.6	144.6	146.6	144.6	144.6	142.6	142.6	142.6	143.6
147.5°	137.7	136.7	138.7	141.7	138.7	137.7	137.7	138.7	140.7	141.7	142.6
150°	108.2	105.3	107.2	113.1	112.2	112.2	112.2	113.1	114.1	114.1	115.1
152.5°	85.6	85.6	87.6	87.6	88.5	88.5	87.6	87.6	87.6	88.5	88.5
155°	76.7	75.8	77.7	80.7	78.7	78.7	78.7	78.7	78.7	78.7	79.7
157.5°	66.9	65.9	65.9	66.9	66.9	66.9	66.9	67.9	67.9	66.9	67.9
160°	61.0	61.0	60.0	60.0	60.0	61.0	62.0	62.0	61.0	60.0	60.0
162.5°	58.0	58.0	56.1	55.1	55.1	56.1	58.0	58.0	56.1	55.1	55.1
165°	58.0	57.1	54.1	52.1	52.1	54.1	57.1	57.1	54.1	52.1	52.1
167.5°	57.1	57.1	55.1	53.1	53.1	55.1	56.1	57.1	56.1	54.1	53.1
170°	55.1	55.1	56.1	56.1	55.1	55.1	55.1	55.1	56.1	56.1	56.1
172.5°	57.1	56.1	57.1	58.0	58.0	57.1	56.1	56.1	57.1	58.0	58.0
175°	58.0	58.0	57.1	57.1	57.1	56.1	56.1	56.1	57.1	58.0	57.1
177.5°	52.1	52.1	51.2	52.1	52.1	52.1	51.2	52.1	52.1	52.1	53.1
180°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2

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: SP1-2406-133-2

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-2
 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-100-722-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2211
 CIE u': 0.2892
 CIE v': 0.5376
 Duv: 0.0011
 CIE x: 0.5069
 CIE y: 0.4188
 CIE z: 0.0743
 Peak Wavelength (nm): 606
 Dominant Wavelength (nm): 586
 Purity: 77.8805
 Rf: 76.1
 Rg: 94.3

CRI (Ra):	71.4		
R1:	68.2	R9:	-29.2
R2:	85.0	R10:	67.8
R3:	94.0	R11:	60.7
R4:	65.1	R12:	59.0
R5:	66.6	R13:	71.3
R6:	81.8	R14:	97.6
R7:	73.4	R15:	58.9
R8:	37.3		



Test Conditions

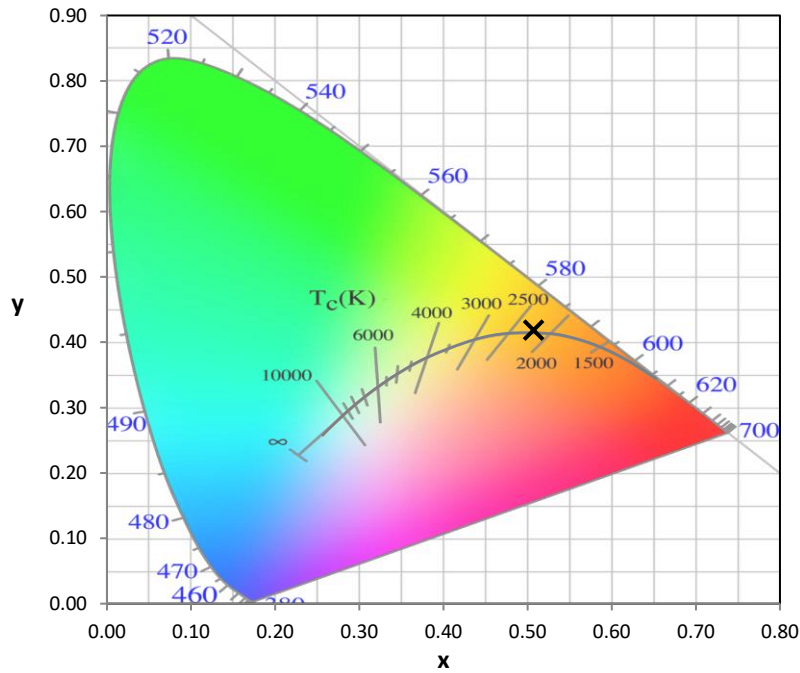
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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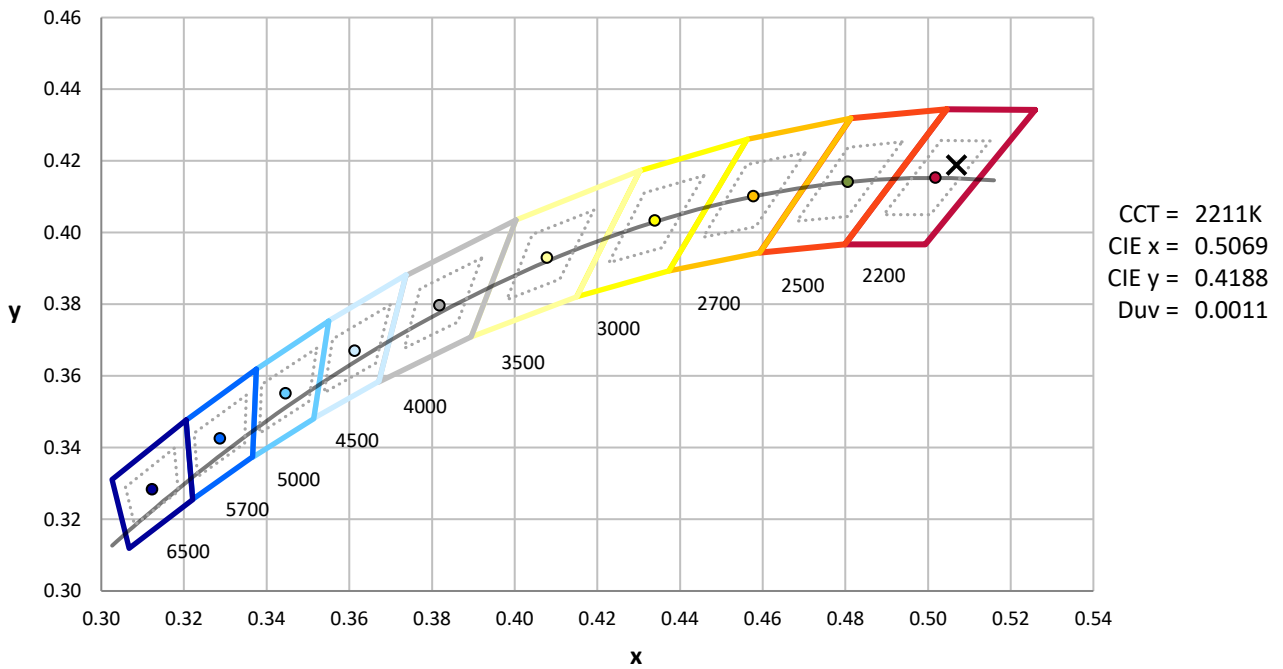
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



CCT = 2211K
CIE x = 0.5069
CIE y = 0.4188
Duv = 0.0011

Point lies inside the ANSI 2200K 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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 0.87

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.42

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Summary

$R_f = 76.1$
 $R_g = 94.3$
 CIE $R_a = 71.4$
 $R_9 = -29.2$



Color Vector Graphics

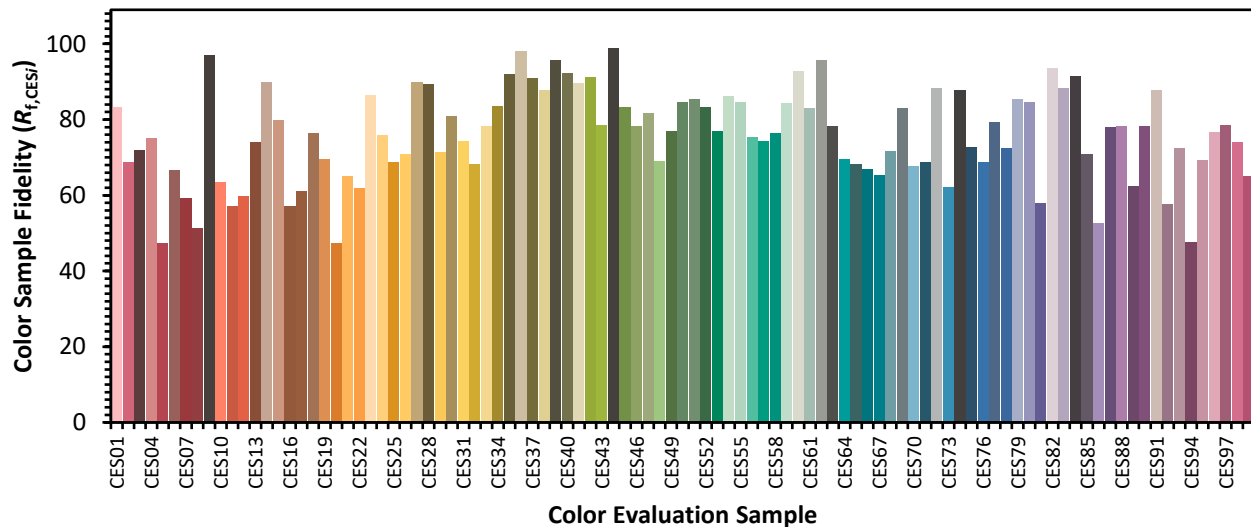


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Individual Sample Fidelity Index ($R_{f,i}$)

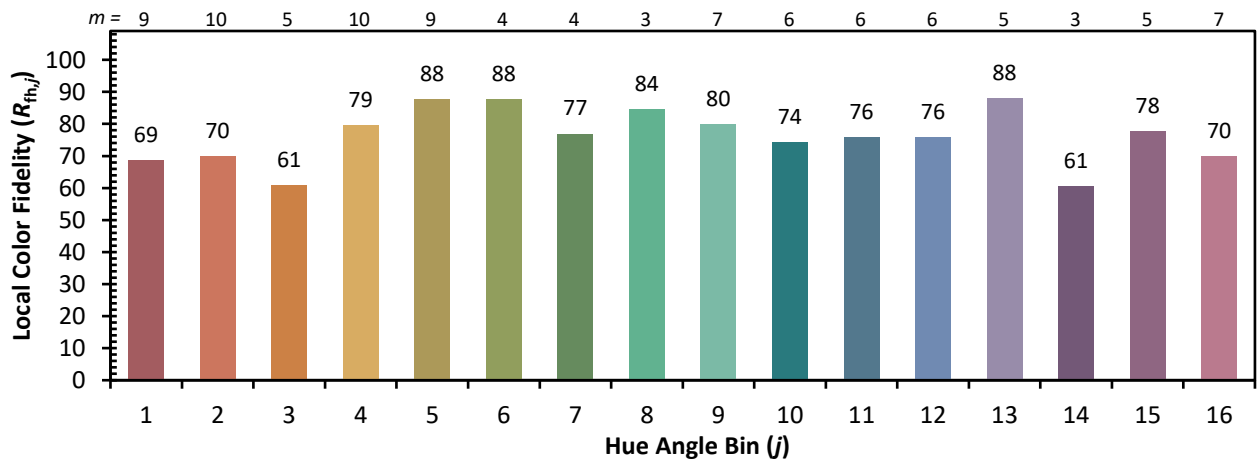
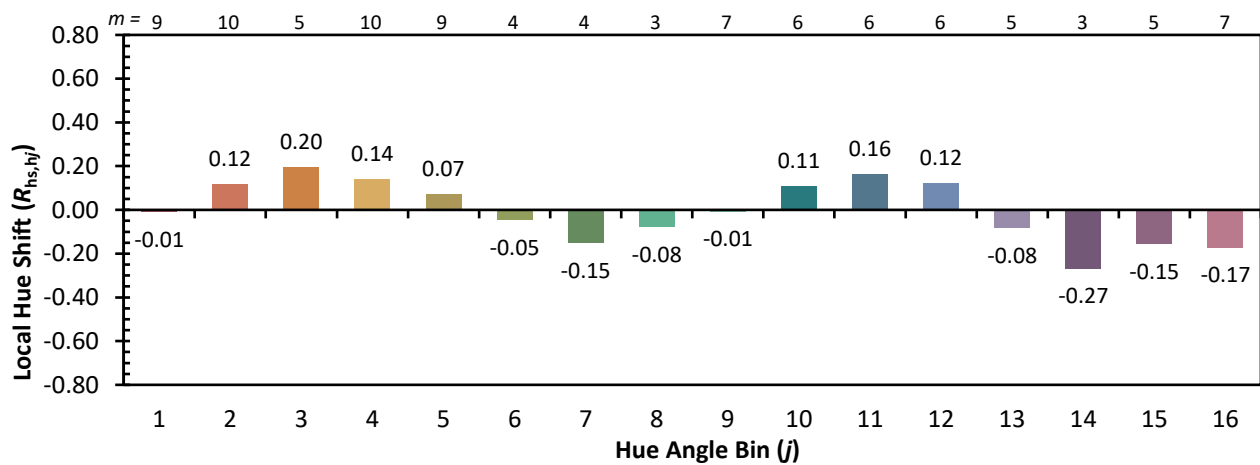
CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 93
CES08 = 42	CES33 = 78	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 84	CES59 = 84	CES84 = 92
CES10 = 79	CES35 = 92	CES60 = 93	CES85 = 71
CES11 = 62	CES36 = 98	CES61 = 83	CES86 = 53
CES12 = 68	CES37 = 91	CES62 = 96	CES87 = 78
CES13 = 45	CES38 = 88	CES63 = 78	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 69	CES89 = 63
CES15 = 72	CES40 = 92	CES65 = 68	CES90 = 78
CES16 = 49	CES41 = 90	CES66 = 67	CES91 = 88
CES17 = 51	CES42 = 91	CES67 = 65	CES92 = 58
CES18 = 57	CES43 = 79	CES68 = 72	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 68	CES45 = 83	CES70 = 68	CES95 = 69
CES21 = 88	CES46 = 78	CES71 = 69	CES96 = 77
CES22 = 81	CES47 = 82	CES72 = 88	CES97 = 79
CES23 = 92	CES48 = 69	CES73 = 62	CES98 = 74
CES24 = 92	CES49 = 77	CES74 = 88	CES99 = 65
CES25 = 74	CES50 = 85	CES75 = 73	



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)