

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: P856368

Luminaire Tested: **FFX-CLB-40-750-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856368
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-750-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

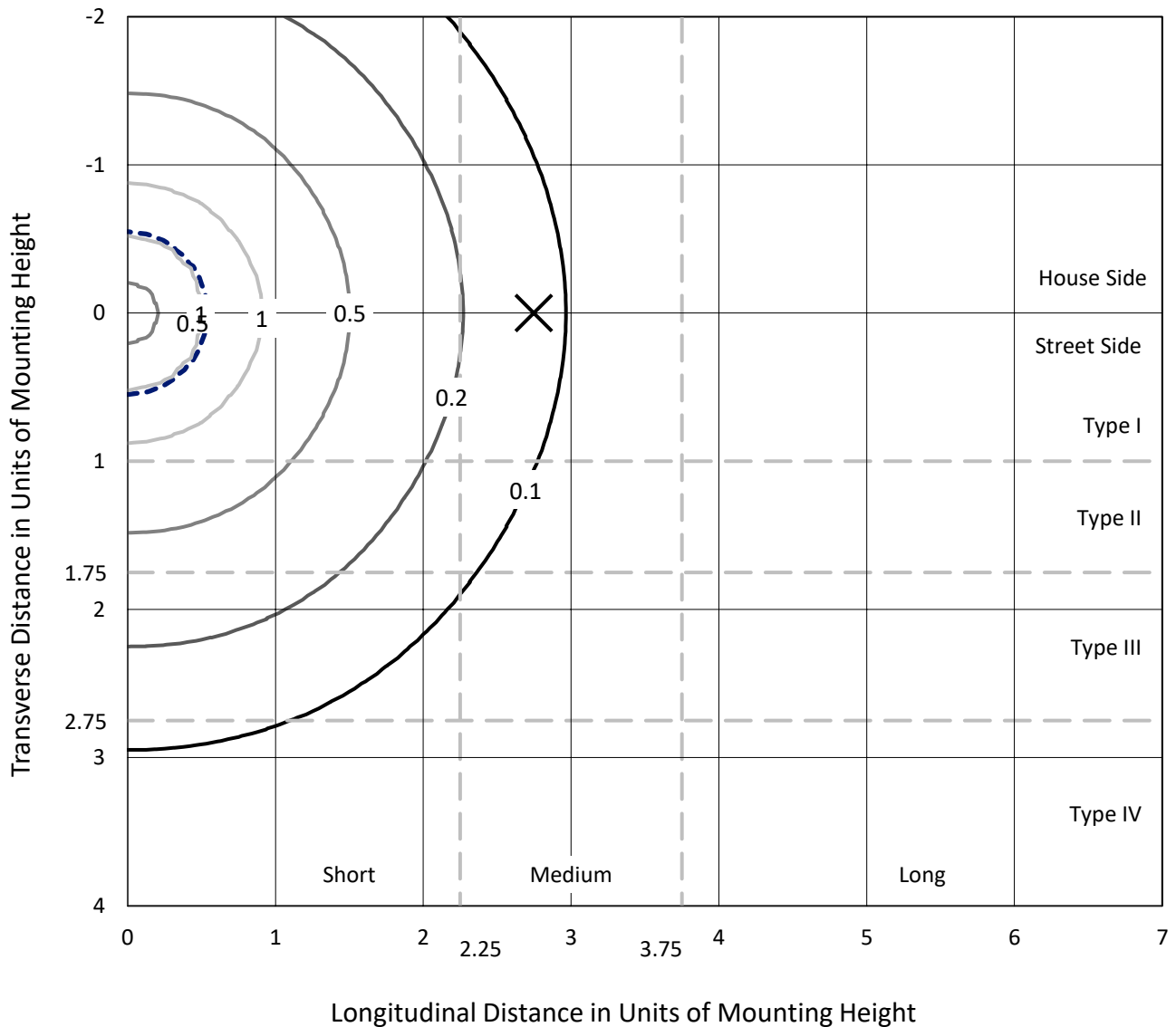
Lumens per Lamp: N/A
Luminaire Lumens: 6362.4 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.2%%
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

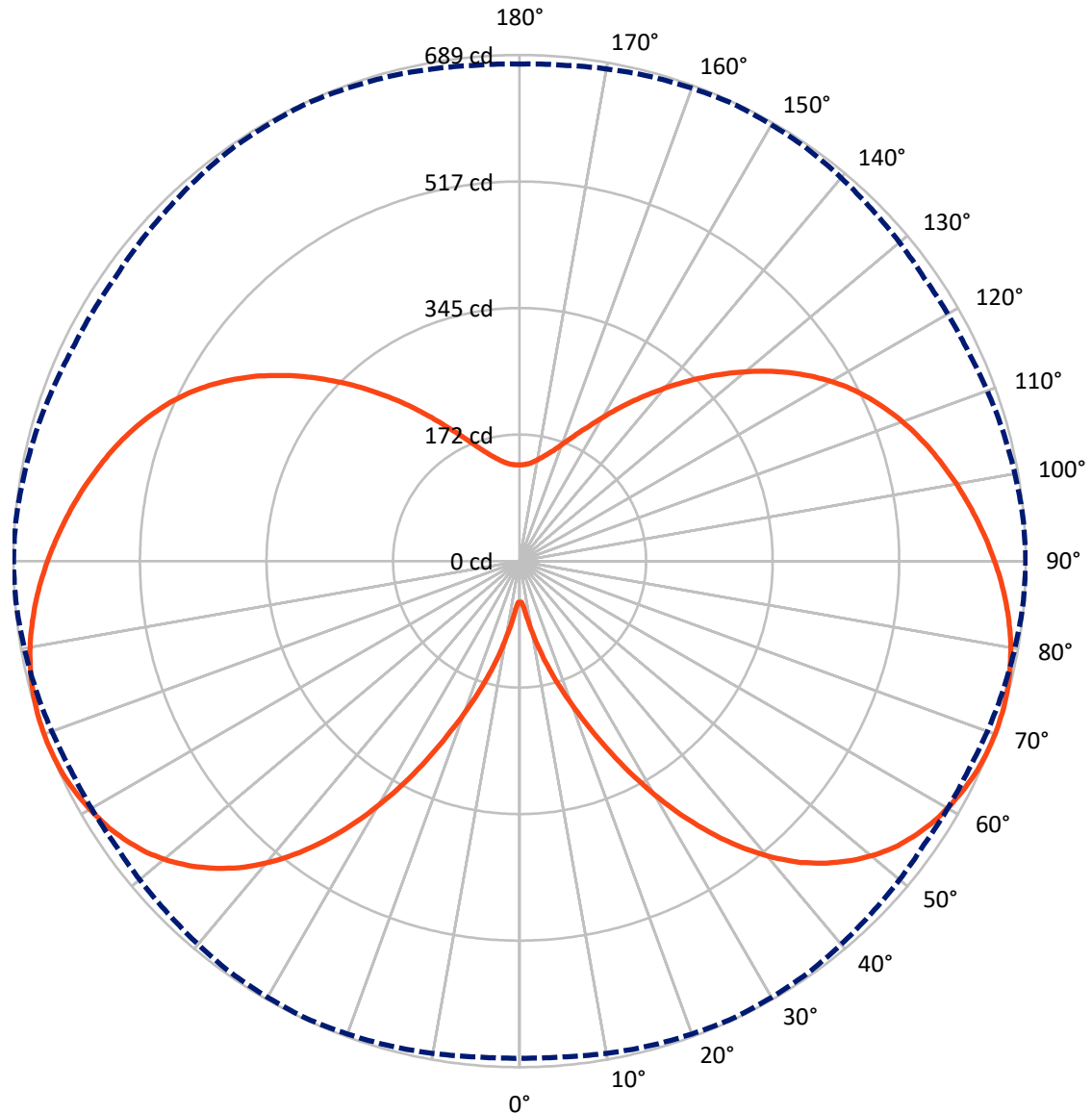
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 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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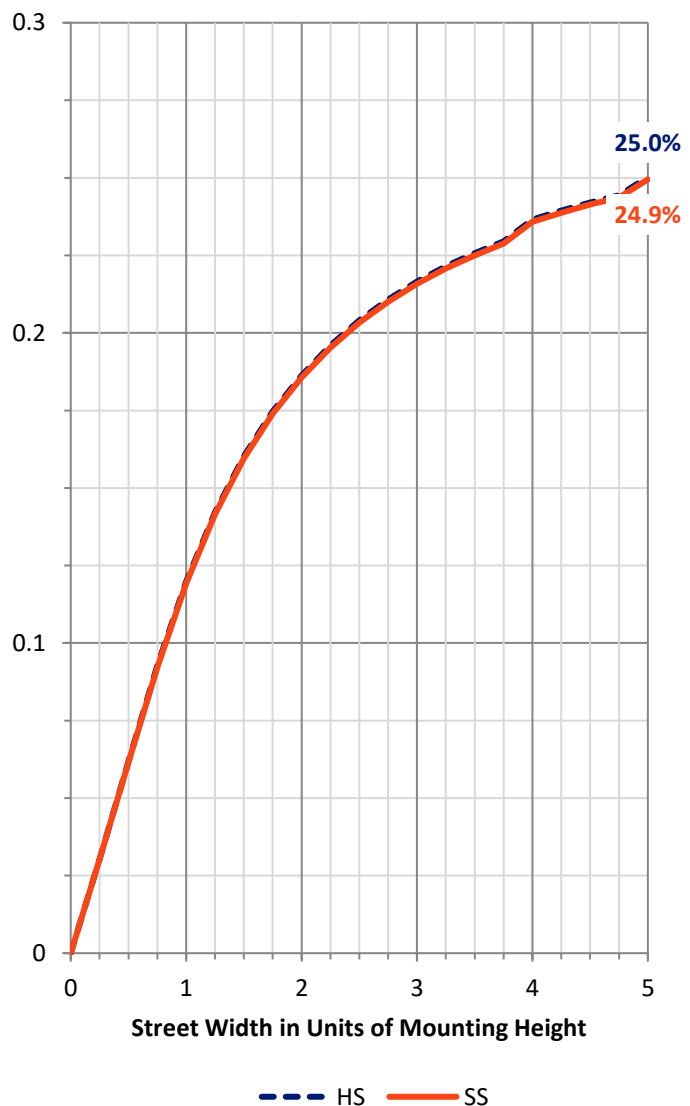
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1801.8	1379.4	3181.2
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	1801.8	1379.4	3181.2
	% Fixture	28.3	21.7	50.0
Total	Lumens	3603.6	2758.9	6362.4
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.1
10°-20°	45.5	0.7
20°-30°	135.9	2.1
30°-40°	284.2	4.5
40°-50°	446.0	7.0
50°-60°	578.9	9.1
60°-70°	670.1	10.5
70°-80°	717.4	11.3
80°-90°	718.0	11.3
90°-100°	677.1	10.6
100°-110°	605.9	9.5
110°-120°	509.4	8.0
120°-130°	390.8	6.1
130°-140°	267.3	4.2
140°-150°	163.1	2.6
150°-160°	89.2	1.4
160°-170°	43.2	0.7
170°-180°	12.9	0.2
0°-90°	3603.6	56.6
0°-180°	6362.4	100.0

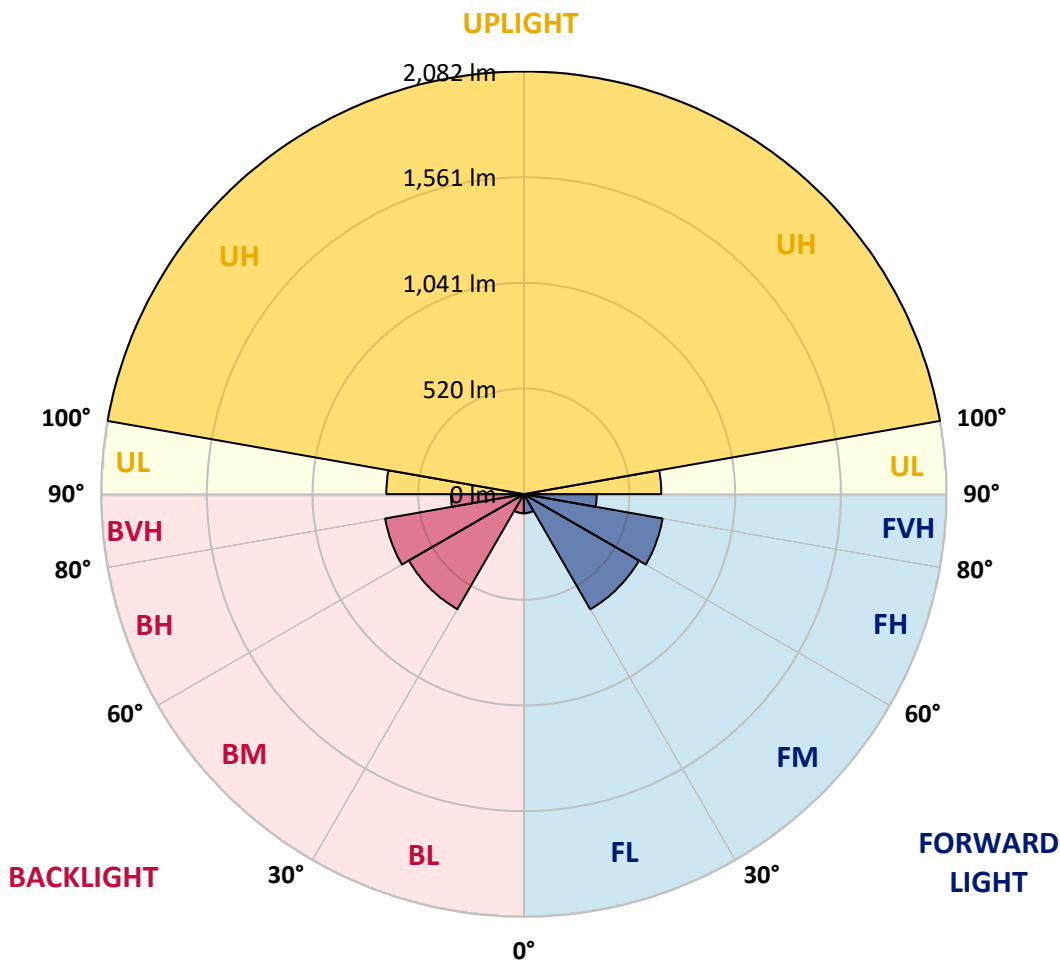


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.5	1.5			
FM (30°-60°)	654.5	10.3			
FH (60°-80°)	693.8	10.9			G1/1800
FVH (80°-90°)	359.0	5.6			G3/500
BL (0°-30°)	94.5	1.5	B0/110		
BM (30°-60°)	654.5	10.3	B1/1000		
BH (60°-80°)	693.8	10.9	B2/1000		G1/1800
BVH (80°-90°)	359.0	5.6			G3/500
UL (90°-100°)	677.1	10.6		U4/1000	
UH (100°-180°)	2081.8	32.7		U5	

BUG Rating: B2-U5-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
2.5°	58.3	58.3	57.9	57.9	57.5	57.1	57.1	57.1	56.7	56.7	56.3
5°	66.5	66.1	66.1	65.6	66.1	65.6	65.6	65.6	65.6	64.8	64.8
7.5°	82.4	82.0	82.0	81.6	82.4	81.6	81.6	82.0	82.0	81.6	81.6
10°	103.2	102.8	102.8	101.9	102.8	102.3	102.3	101.5	101.9	101.5	101.9
12.5°	128.0	126.8	126.8	126.4	127.2	126.8	126.4	125.6	126.4	126.0	126.0
15°	153.7	154.1	153.7	153.3	154.1	154.1	153.7	152.9	153.7	152.9	153.3
17.5°	182.3	182.3	182.3	181.0	182.3	182.7	182.3	181.5	181.9	182.3	182.3
20°	213.3	213.3	213.7	212.8	214.9	213.7	213.3	212.8	213.3	213.7	214.1
22.5°	247.5	247.5	247.9	247.5	248.7	248.7	248.3	248.3	248.7	249.5	249.5
25°	285.4	285.8	285.8	284.6	287.5	288.3	287.5	287.5	288.3	289.5	289.5
27.5°	324.6	326.2	325.4	325.4	329.1	329.5	329.1	329.5	330.7	331.9	332.3
30°	364.9	366.2	367.8	366.6	370.7	371.1	371.5	371.9	373.5	375.5	375.5
32.5°	405.3	406.5	407.3	407.3	412.7	412.2	411.8	413.5	415.9	416.7	418.0
35°	445.7	445.7	446.5	446.9	452.2	451.8	452.6	453.8	456.3	457.9	458.7
37.5°	482.0	481.2	483.2	484.0	488.1	488.5	488.9	490.9	493.8	495.8	496.6
40°	515.0	514.2	516.6	517.9	521.5	521.5	522.3	524.8	528.0	530.1	530.5
42.5°	544.4	543.9	546.4	548.0	551.7	551.3	550.9	554.1	557.8	560.3	561.1
45°	569.6	569.2	572.5	574.5	577.4	576.6	576.6	579.4	583.5	586.4	586.8
47.5°	591.2	591.2	594.9	597.4	599.8	598.6	597.8	600.6	604.7	608.8	609.2
50°	610.4	610.0	614.1	616.9	619.0	617.3	616.1	619.0	623.5	627.5	628.4
52.5°	625.5	626.3	630.4	634.1	635.7	633.2	631.2	634.1	639.0	643.4	644.3
55°	638.5	639.0	643.4	647.9	648.7	645.5	643.0	645.5	650.8	655.7	656.5
57.5°	648.7	649.6	654.9	658.9	659.3	655.7	652.8	654.9	660.6	665.5	666.7
60°	657.7	658.5	663.4	667.9	668.3	663.8	660.2	661.8	667.9	673.6	674.4
62.5°	664.6	665.9	671.2	675.2	675.2	669.9	665.5	667.1	673.6	679.7	680.5
65°	670.4	671.6	676.9	681.0	680.5	674.4	669.5	671.2	678.1	684.2	685.4
67.5°	674.4	675.2	681.0	685.0	683.4	676.9	672.0	673.2	680.5	686.7	687.9
70°	676.9	677.7	683.4	687.1	684.6	677.7	672.4	674.0	681.4	687.9	689.1
72.5°	678.1	679.3	684.6	687.9	685.0	677.3	671.6	673.6	681.0	687.9	688.7
75°	677.7	678.5	683.8	686.7	683.0	675.7	669.5	671.6	679.3	685.4	686.7
77.5°	675.7	676.5	681.4	683.8	679.3	672.0	666.3	668.3	675.7	681.8	683.0
80°	672.4	673.2	677.7	679.3	674.8	667.5	662.2	664.2	671.2	676.9	678.1
82.5°	667.1	668.3	672.4	673.2	668.3	661.8	656.5	658.5	665.1	670.4	671.2
85°	660.6	661.4	665.1	665.5	660.6	654.9	650.4	652.4	658.1	662.2	663.4
87.5°	653.2	653.2	656.9	656.9	651.6	646.3	643.0	644.7	650.0	653.2	654.5
90°	644.3	644.7	647.1	646.7	641.8	637.3	634.5	636.5	641.0	643.8	644.7
92.5°	634.5	634.9	636.9	636.1	631.2	627.5	625.1	627.5	631.6	633.7	634.5
95°	623.9	624.3	625.9	624.3	619.8	616.9	614.9	617.8	621.0	623.1	623.9
97.5°	612.9	613.3	614.5	612.9	608.0	605.5	604.7	607.2	610.4	612.0	612.9
100°	601.4	601.4	602.3	599.8	595.7	593.7	593.3	596.1	599.4	601.0	601.9
102.5°	588.8	589.2	589.2	586.8	582.7	581.5	581.5	584.7	588.0	589.2	590.0
105°	575.8	575.8	575.8	573.7	569.2	568.4	568.8	572.1	575.8	577.4	578.2
107.5°	561.5	561.9	561.1	559.0	555.4	554.6	555.4	559.9	563.1	564.7	565.6
110°	546.4	546.8	546.4	543.9	540.7	540.3	541.5	546.0	549.2	550.9	552.1



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 CATALOG NUMBER: FFX-CLB-40-750-U-VM8

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	530.5	530.9	530.5	528.5	525.2	525.2	526.8	531.3	535.0	536.2	537.4
115°	513.8	514.2	513.4	511.7	508.5	509.3	510.9	515.4	519.1	520.3	521.9
117.5°	495.8	496.2	495.8	493.8	490.9	491.8	494.2	498.7	501.9	503.2	504.8
120°	476.3	476.3	476.3	474.2	471.4	473.0	475.4	480.3	483.2	484.0	485.6
122.5°	456.3	455.5	455.5	454.2	451.0	453.0	455.5	460.4	463.2	463.6	464.8
125°	434.3	434.7	433.4	432.6	429.8	432.2	434.3	439.2	441.6	442.0	443.2
127.5°	410.6	411.8	410.6	409.4	407.3	409.8	412.2	416.7	418.8	419.2	420.0
130°	388.6	388.6	387.4	386.6	384.5	387.0	389.4	393.5	395.5	395.5	396.3
132.5°	366.6	365.4	364.9	364.1	361.7	364.5	366.2	370.2	371.9	371.5	372.3
135°	342.5	342.5	341.3	340.9	338.8	341.7	343.3	347.0	348.2	347.8	348.6
137.5°	320.1	320.1	319.3	318.5	317.2	319.7	321.3	324.2	325.4	324.2	325.4
140°	298.1	298.1	297.7	296.8	295.6	298.1	299.3	301.7	303.0	301.7	302.6
142.5°	277.7	276.9	276.5	276.1	274.4	276.9	277.7	280.1	280.5	279.7	280.9
145°	256.1	256.5	256.1	255.7	254.4	256.5	257.3	259.3	259.7	258.9	260.1
147.5°	238.1	236.9	237.3	236.9	235.7	237.7	238.1	239.4	240.2	239.4	240.2
150°	220.2	219.4	219.4	219.0	218.2	219.8	220.2	221.4	221.8	221.0	221.8
152.5°	204.3	203.9	203.9	203.5	202.7	203.9	204.3	205.1	205.5	204.7	205.1
155°	190.0	189.6	189.6	189.2	188.4	189.6	189.6	190.4	190.8	190.4	190.8
157.5°	177.4	177.0	177.0	177.0	176.2	177.0	177.0	177.8	177.8	177.4	177.8
160°	167.2	166.4	166.8	166.4	165.5	166.4	166.4	166.8	166.8	166.8	166.8
162.5°	157.8	157.8	157.8	157.4	157.0	157.4	157.4	157.8	157.8	157.8	157.4
165°	150.5	150.5	150.5	150.1	149.6	150.1	150.1	150.1	150.1	150.1	150.1
167.5°	144.3	143.9	144.3	143.9	143.5	143.9	143.9	143.9	143.9	143.9	143.9
170°	139.0	139.0	139.0	139.0	138.6	139.0	139.0	139.0	139.0	139.0	139.0
172.5°	135.8	135.4	135.4	135.4	135.0	135.4	135.0	135.4	135.0	135.4	135.0
175°	132.9	132.9	132.9	132.9	132.5	132.5	132.5	132.5	132.5	132.5	132.5
177.5°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
180°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-5
 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-100-750-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 4950
 CIE u': 0.2102
 CIE v': 0.4882
 Duv: 0.0025
 CIE x: 0.3471
 CIE y: 0.3583
 CIE z: 0.2946
 Peak Wavelength (nm): 452
 Dominant Wavelength (nm): 571
 Purity: 11.64963
 Rf: 74.8
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



Test Conditions

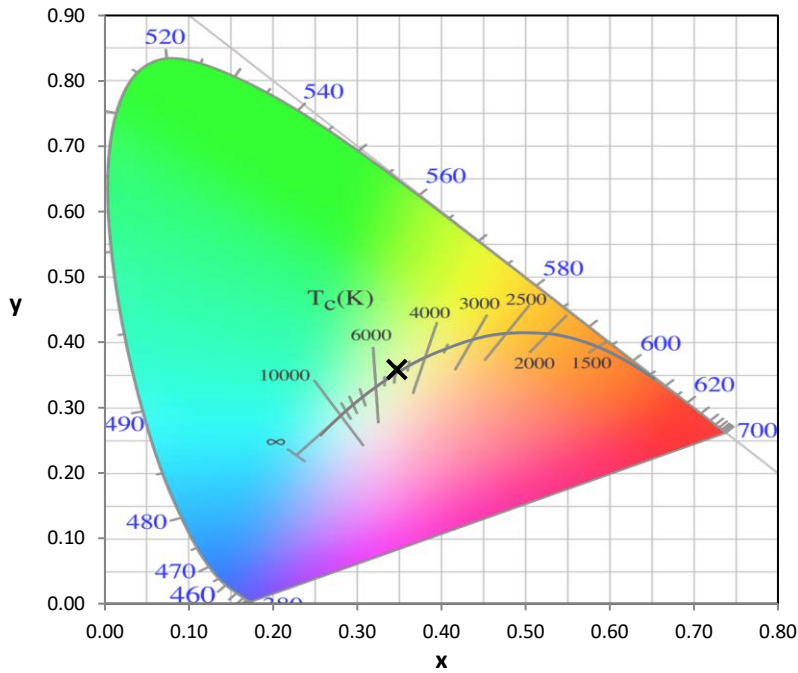
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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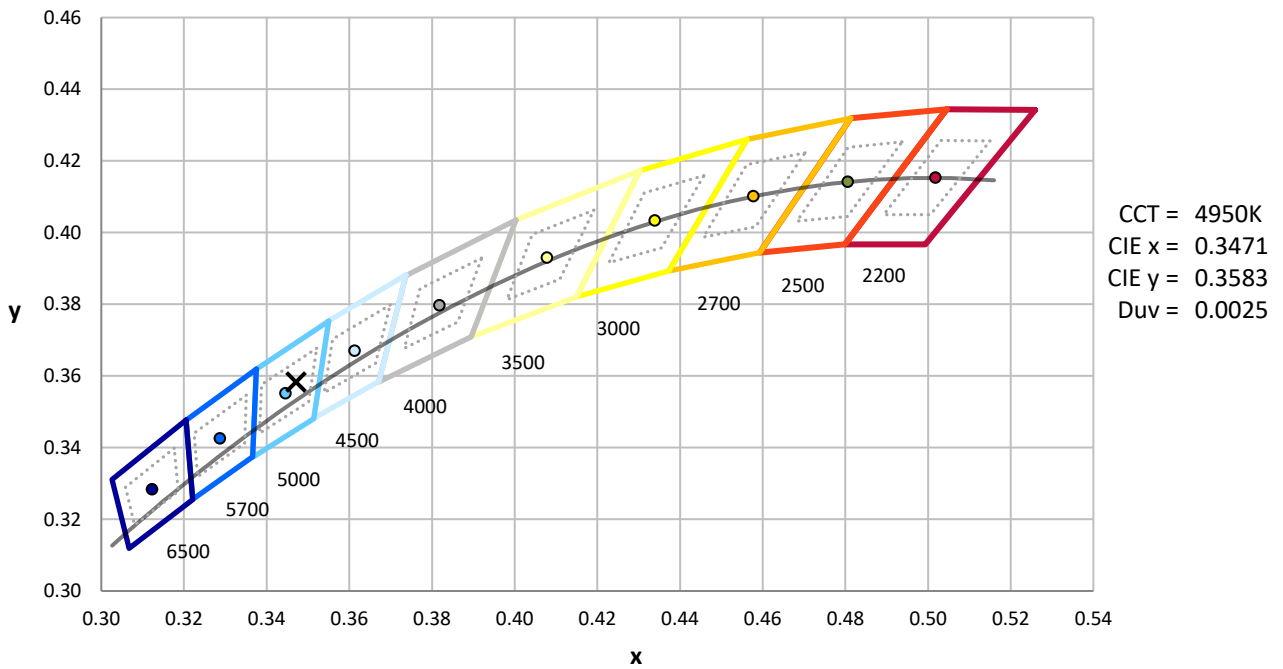
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



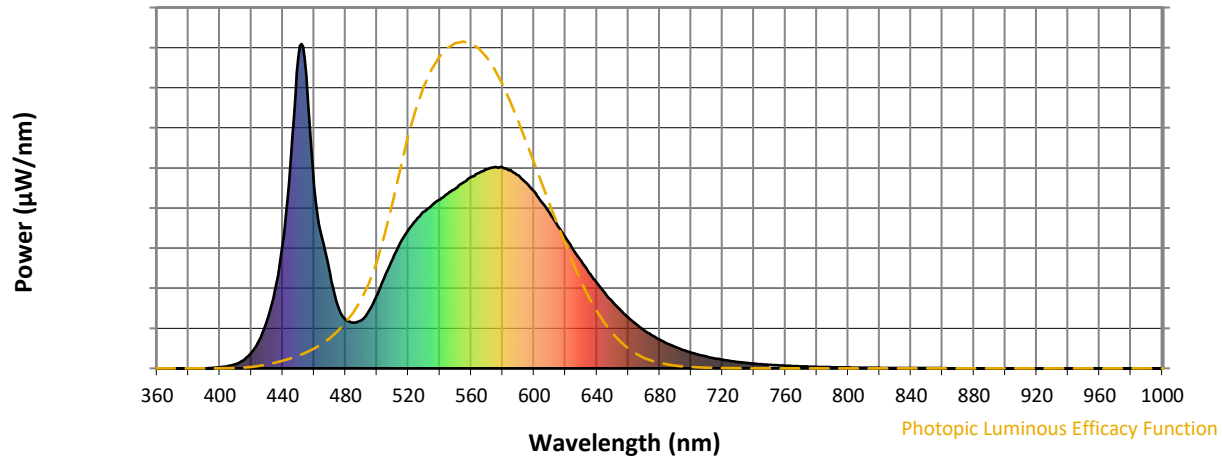
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.8

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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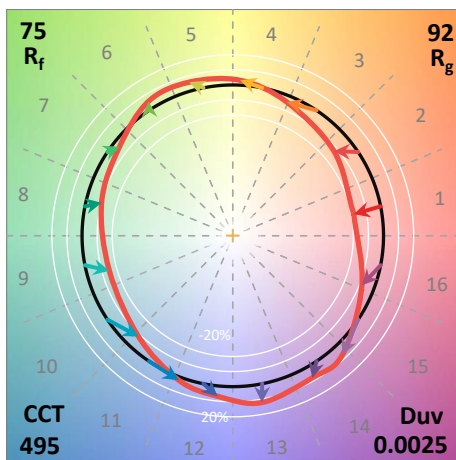
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Summary

$R_f = 74.8$
 $R_g = 92.4$
 CIE $R_a = 73.0$
 $R_9 = -35.4$



Color Vector Graphics



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

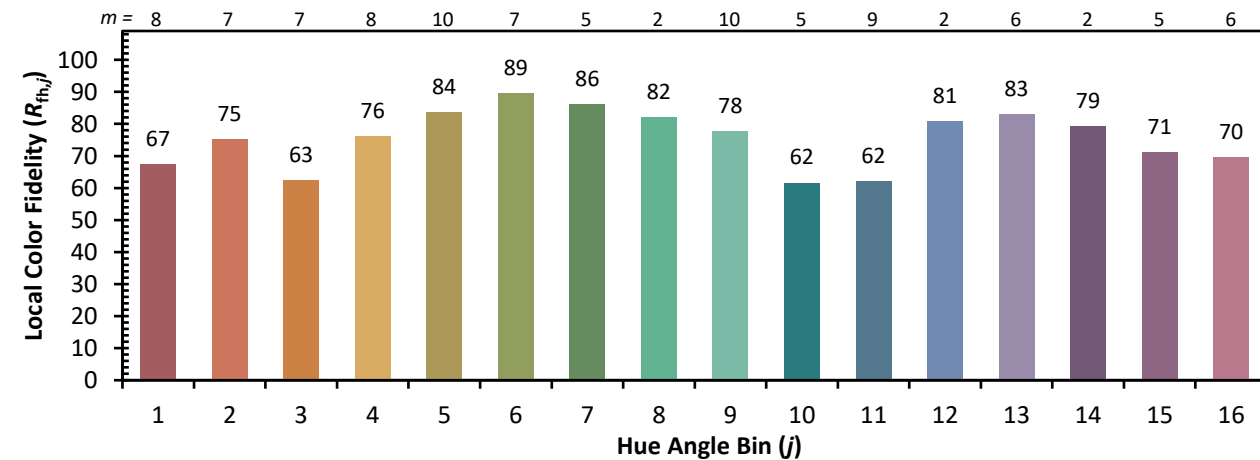
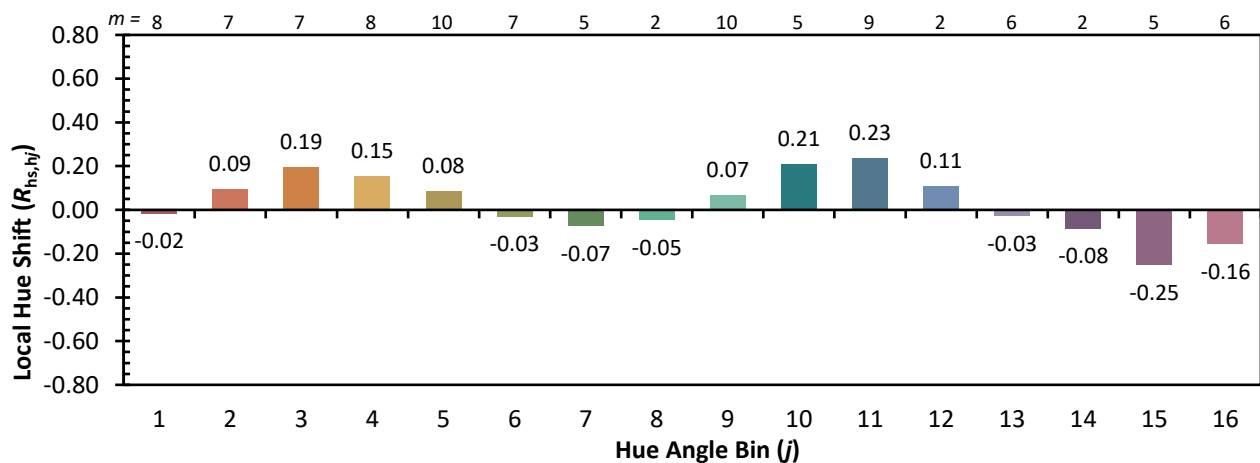
CES01 = 85	CES26 = 65	CES51 = 89	CES76 = 54
CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)