

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: P856186

Luminaire Tested: **FFX-CLB-60-750-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856186
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-750-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

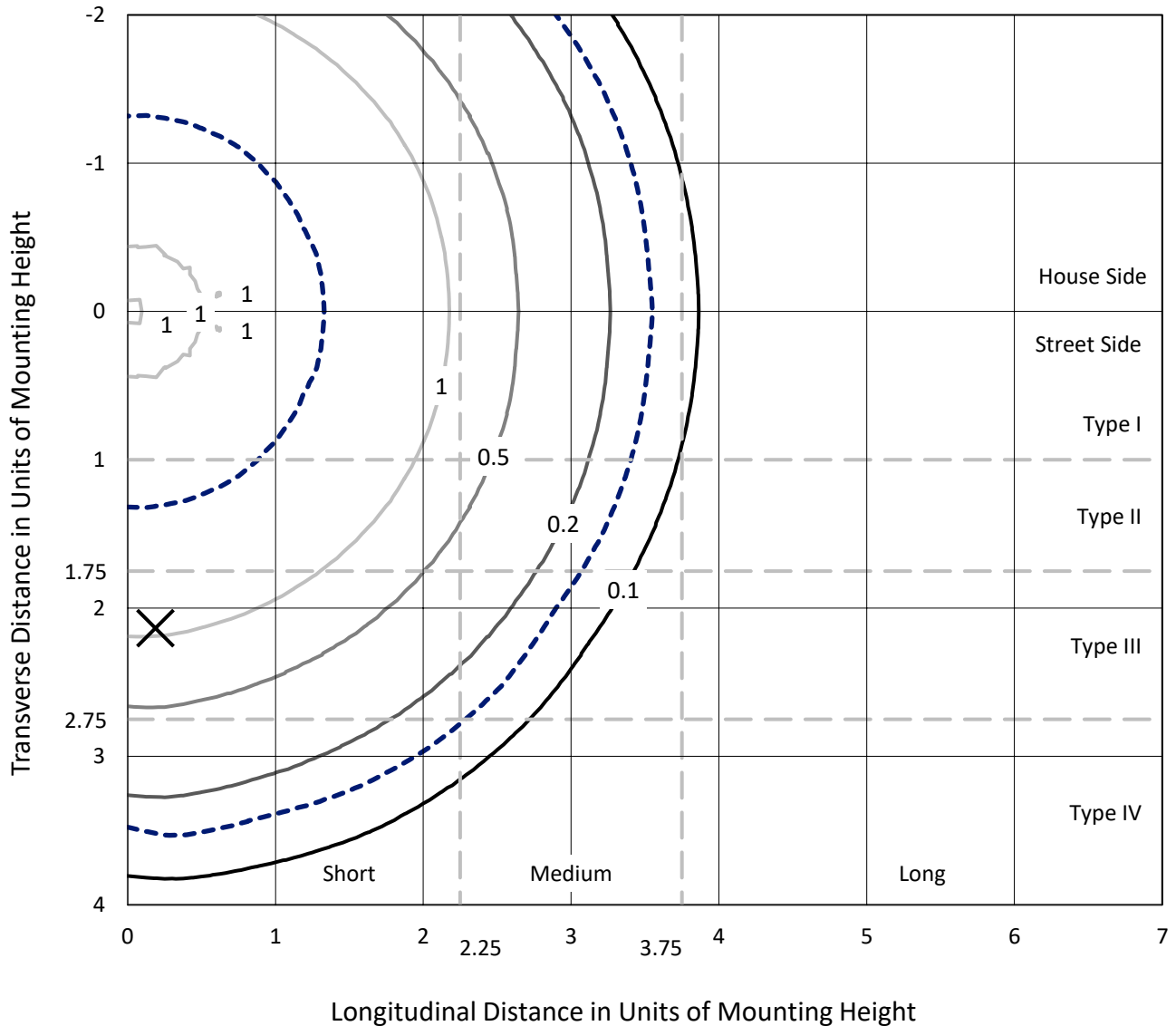
Lumens per Lamp: N/A
Luminaire Lumens: 9335.6 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G3

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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Iso-Footcandle Lines of Horizontal Illumination

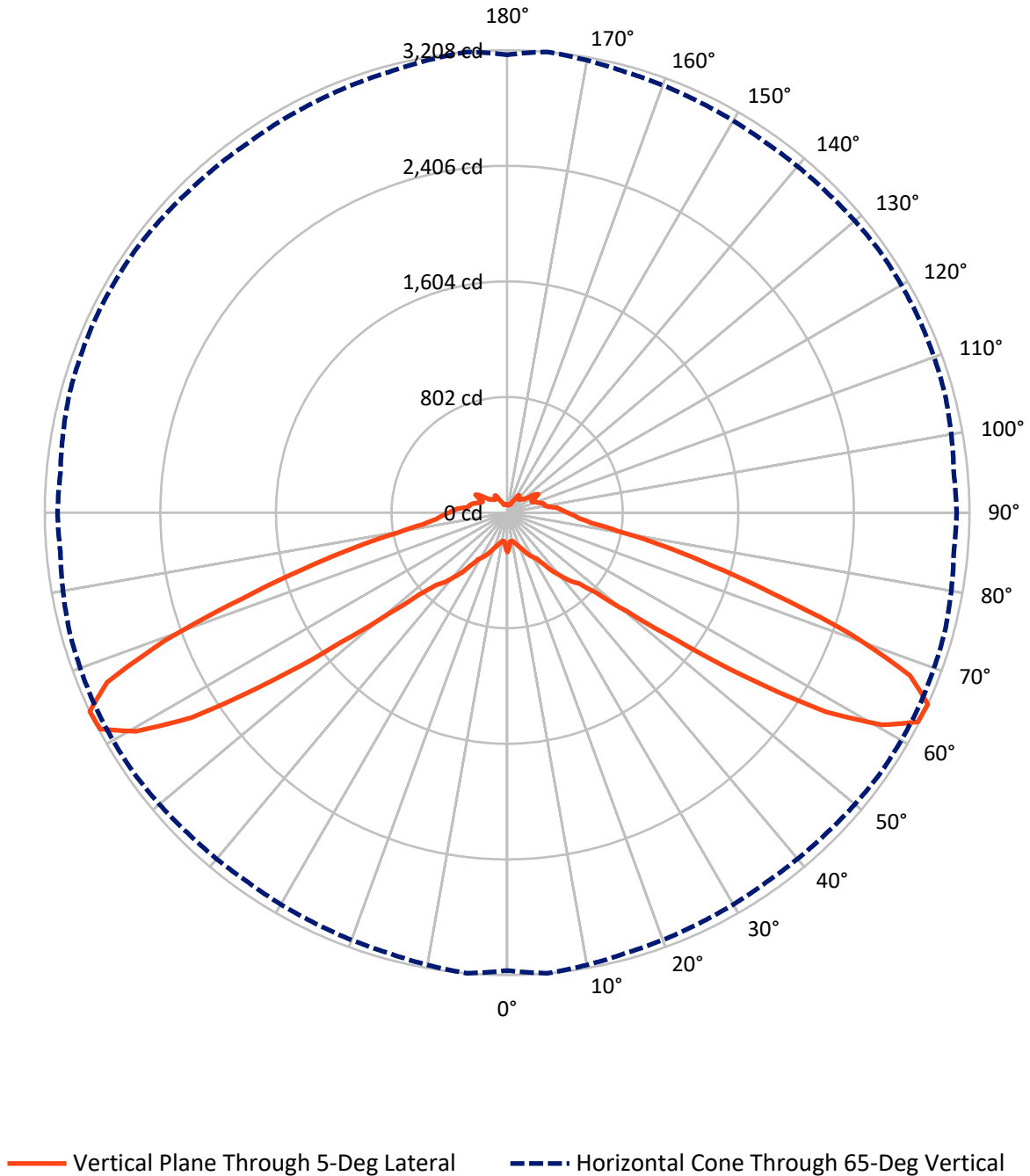
× Max cd
 - - - 1/2 Max cd



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



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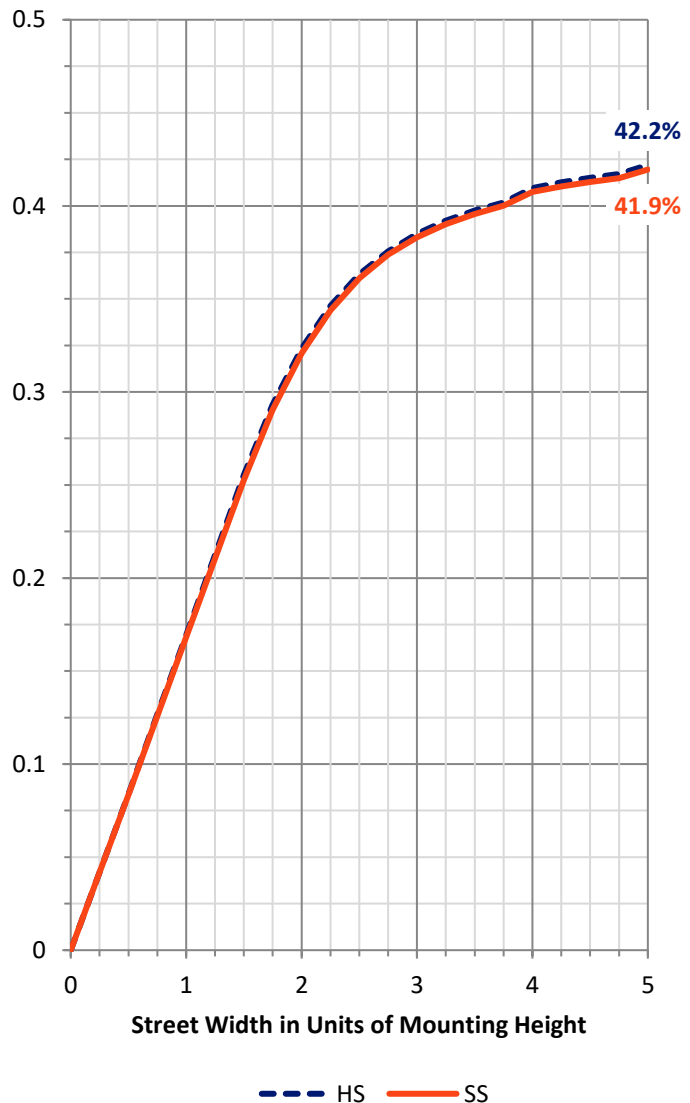
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4077.9	589.9	4667.8
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	4077.9	589.9	4667.8
	% Fixture	43.7	6.3	50.0
Total	Lumens	8155.9	1179.7	9335.6
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.2
10°-20°	65.5	0.7
20°-30°	142.1	1.5
30°-40°	287.8	3.1
40°-50°	580.3	6.2
50°-60°	1844.9	19.8
60°-70°	2975.2	31.9
70°-80°	1622.4	17.4
80°-90°	617.8	6.6
90°-100°	370.7	4.0
100°-110°	236.4	2.5
110°-120°	179.8	1.9
120°-130°	152.2	1.6
130°-140°	99.1	1.1
140°-150°	83.1	0.9
150°-160°	37.3	0.4
160°-170°	15.8	0.2
170°-180°	5.3	0.1
0°-90°	8155.9	87.4
0°-180°	9335.6	100.0



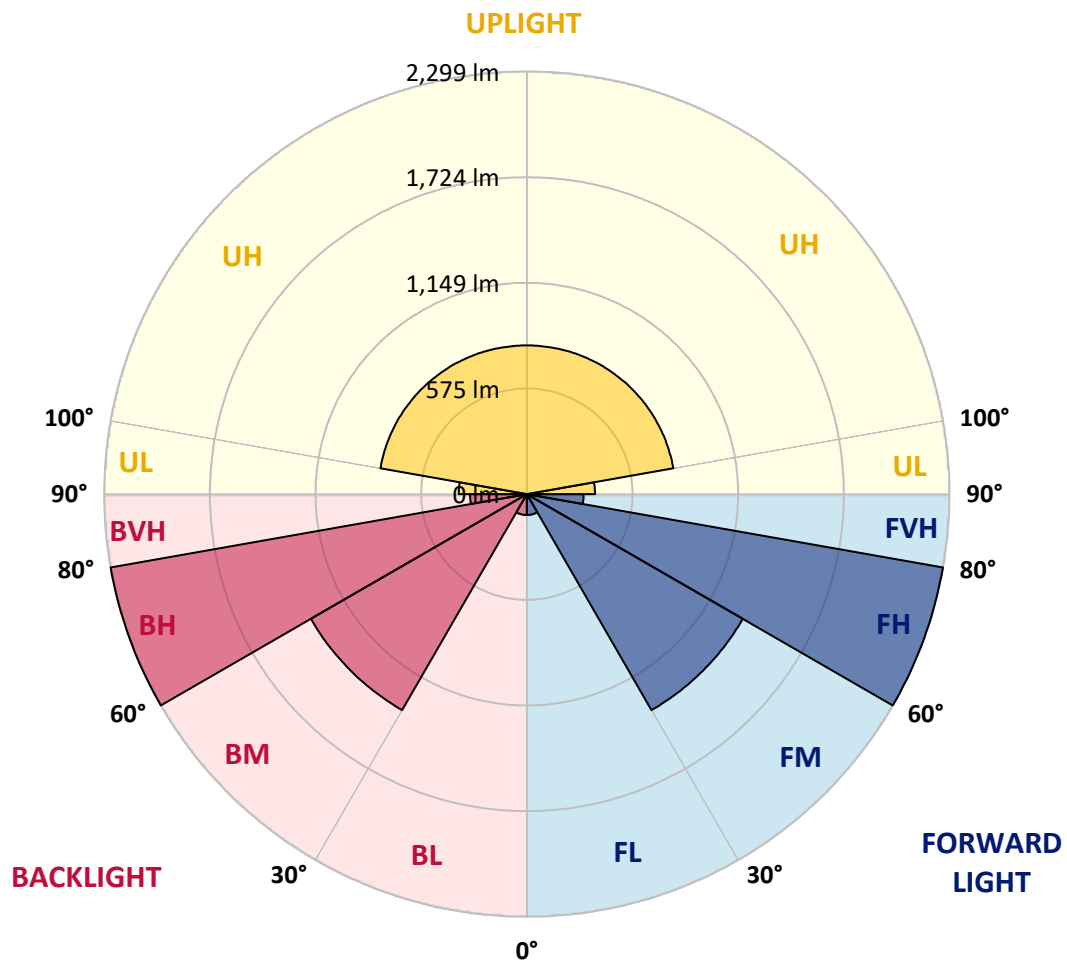
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.7	1.2			
FM (30°-60°)	1356.5	14.5			
FH (60°-80°)	2298.8	24.6			G2/5000
FVH (80°-90°)	308.9	3.3			G3/500
BL (0°-30°)	113.7	1.2	B1/500		
BM (30°-60°)	1356.5	14.5	B2/2500		
BH (60°-80°)	2298.8	24.6	B3/2500		G2/5000
BVH (80°-90°)	308.9	3.3			G3/500
UL (90°-100°)	370.7	4.0		U3/500	
UH (100°-180°)	809.0	8.7		U4/1000	

BUG Rating: B3-U4-G3

Type V Short





REPORT NUMBER: P856186

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0
2.5°	244.7	248.6	237.9	229.1	225.2	226.2	235.0	243.7	235.0	237.9	237.9
5°	202.8	203.8	203.8	201.8	204.7	198.9	192.1	192.1	198.9	206.7	206.7
7.5°	196.0	198.9	206.7	206.7	209.6	199.9	190.1	191.1	200.8	212.5	215.5
10°	201.8	201.8	199.9	201.8	208.6	207.7	196.9	192.1	198.9	210.6	214.5
12.5°	210.6	210.6	216.4	225.2	226.2	217.4	206.7	205.7	213.5	221.3	221.3
15°	223.3	224.2	227.2	226.2	229.1	226.2	223.3	225.2	230.1	230.1	230.1
17.5°	239.8	239.8	239.8	239.8	239.8	240.8	241.8	241.8	241.8	243.7	243.7
20°	258.4	258.4	257.4	256.4	256.4	257.4	258.4	258.4	258.4	260.3	260.3
22.5°	281.8	280.8	278.8	278.8	278.8	279.8	277.9	276.9	275.9	276.9	276.9
25°	309.1	309.1	307.1	304.2	304.2	303.2	300.3	299.3	298.3	300.3	299.3
27.5°	336.4	336.4	333.4	329.5	329.5	329.5	327.6	325.6	323.7	324.7	324.7
30°	361.7	359.8	358.8	355.9	354.9	355.9	353.9	353.9	350.0	349.0	351.0
32.5°	385.1	383.2	385.1	382.2	379.3	382.2	381.2	381.2	375.4	373.4	375.4
35°	449.5	444.6	448.5	441.7	437.8	438.7	440.7	444.6	438.7	435.8	436.8
37.5°	518.7	517.7	530.4	541.1	539.1	522.6	511.9	513.8	521.6	532.3	532.3
40°	583.0	581.1	584.0	580.1	580.1	578.1	577.2	582.0	566.4	562.5	559.6
42.5°	650.3	649.3	632.7	609.3	604.5	624.0	632.7	639.6	617.1	609.3	603.5
45°	716.6	702.9	700.0	692.2	684.4	697.1	696.1	701.0	690.3	689.3	684.4
47.5°	856.0	830.7	821.9	822.9	806.3	819.9	825.8	841.4	819.0	819.9	819.0
50°	1107.5	1075.4	1090.0	1080.2	1062.7	1079.3	1078.3	1106.6	1069.5	1083.2	1077.3
52.5°	1500.5	1456.6	1465.4	1459.5	1442.0	1476.1	1483.9	1525.8	1454.6	1472.2	1467.3
55°	2068.8	2021.1	2040.6	1970.4	1951.9	2019.1	2044.5	2093.2	1998.7	2008.4	2003.5
57.5°	2610.9	2608.0	2641.1	2591.4	2574.9	2622.6	2599.2	2642.1	2591.4	2627.5	2615.8
60°	2980.4	2988.2	3021.4	3036.0	3006.8	3032.1	2975.6	3007.7	2992.1	3044.8	3039.9
62.5°	3172.5	3197.8	3178.3	3179.3	3147.1	3166.6	3155.9	3174.4	3170.5	3175.4	3170.5
65°	3176.4	3207.6	3164.7	3145.2	3131.5	3139.3	3157.9	3157.9	3146.2	3111.1	3118.9
67.5°	2968.7	3015.5	2967.8	2940.5	2948.3	2945.3	2958.0	2941.4	2934.6	2882.9	2883.9
70°	2457.9	2532.9	2462.7	2437.4	2457.9	2470.5	2469.6	2455.9	2445.2	2380.8	2399.4
72.5°	1866.1	1932.4	1870.0	1860.2	1879.7	1899.2	1882.6	1899.2	1881.7	1852.4	1861.2
75°	1408.8	1465.4	1465.4	1502.4	1508.3	1497.5	1451.7	1470.2	1481.9	1482.9	1491.7
77.5°	1036.4	1095.8	1127.0	1187.5	1184.6	1166.0	1110.5	1131.9	1154.3	1169.9	1180.7
80°	737.1	781.9	827.7	870.6	876.5	860.9	826.8	839.4	853.1	863.8	869.7
82.5°	571.3	591.8	583.0	578.1	585.9	608.4	616.2	624.0	604.5	591.8	596.7
85°	498.2	500.2	515.8	526.5	529.4	529.4	521.6	527.4	532.3	545.0	545.0
87.5°	454.3	456.3	495.3	506.0	509.9	505.0	495.3	499.2	503.1	510.9	510.9
90°	403.6	409.5	448.5	457.3	461.2	453.4	450.4	453.4	448.5	451.4	451.4
92.5°	375.4	375.4	393.9	390.0	389.0	390.0	391.0	393.9	389.0	387.1	387.1
95°	343.2	348.1	343.2	347.1	346.1	341.2	339.3	341.2	338.3	338.3	340.3
97.5°	287.6	288.6	279.8	282.7	282.7	278.8	274.0	275.9	273.0	274.9	275.9
100°	269.1	266.2	251.5	249.6	248.6	245.7	242.8	242.8	241.8	240.8	241.8
102.5°	263.2	263.2	243.7	239.8	237.9	233.0	229.1	229.1	229.1	229.1	230.1
105°	240.8	247.6	233.0	230.1	227.2	221.3	215.5	214.5	216.4	214.5	217.4
107.5°	218.4	224.2	216.4	216.4	213.5	207.7	203.8	202.8	203.8	201.8	203.8
110°	205.7	208.6	199.9	199.9	197.9	193.0	192.1	191.1	191.1	188.2	190.1



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CATALOG NUMBER: FFX-CLB-60-750-U-FR-T5-UPLR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	190.1	190.1	183.3	181.3	181.3	178.4	177.4	176.5	176.5	176.5	177.4
115°	189.1	188.2	177.4	170.6	169.6	168.7	169.6	168.7	168.7	167.7	167.7
117.5°	231.1	221.3	185.2	168.7	168.7	169.6	173.5	170.6	163.8	163.8	162.8
120°	249.6	251.5	213.5	196.0	192.1	187.2	186.2	184.3	177.4	176.5	180.4
122.5°	220.3	230.1	206.7	199.9	196.0	190.1	186.2	185.2	185.2	180.4	187.2
125°	171.6	180.4	168.7	167.7	166.7	167.7	165.7	165.7	167.7	164.8	165.7
127.5°	147.2	151.1	146.2	146.2	145.3	144.3	142.3	143.3	142.3	143.3	144.3
130°	141.4	144.3	139.4	137.5	137.5	138.4	138.4	138.4	135.5	133.6	134.5
132.5°	140.4	139.4	131.6	127.7	127.7	134.5	137.5	137.5	130.6	125.8	125.8
135°	126.7	127.7	126.7	121.9	122.8	124.8	127.7	128.7	121.9	118.9	119.9
137.5°	121.9	124.8	125.8	123.8	123.8	121.9	120.9	121.9	119.9	120.9	120.9
140°	121.9	122.8	125.8	127.7	125.8	123.8	123.8	123.8	124.8	127.7	129.7
142.5°	124.8	125.8	124.8	123.8	126.7	131.6	135.5	135.5	132.6	130.6	131.6
145°	143.3	146.2	146.2	143.3	145.3	143.3	143.3	141.4	141.4	141.4	142.3
147.5°	136.5	135.5	137.5	140.4	137.5	136.5	136.5	137.5	139.4	140.4	141.4
150°	107.2	104.3	106.3	112.1	111.1	111.1	111.1	112.1	113.1	113.1	114.1
152.5°	84.8	84.8	86.8	86.8	87.7	87.7	86.8	86.8	86.8	87.7	87.7
155°	76.0	75.1	77.0	79.9	78.0	78.0	78.0	78.0	78.0	78.0	79.0
157.5°	66.3	65.3	65.3	66.3	66.3	66.3	66.3	67.3	67.3	66.3	67.3
160°	60.4	60.4	59.5	59.5	59.5	60.4	61.4	61.4	60.4	59.5	59.5
162.5°	57.5	57.5	55.6	54.6	54.6	55.6	57.5	57.5	55.6	54.6	54.6
165°	57.5	56.5	53.6	51.7	51.7	53.6	56.5	56.5	53.6	51.7	51.7
167.5°	56.5	56.5	54.6	52.6	52.6	54.6	55.6	56.5	55.6	53.6	52.6
170°	54.6	54.6	55.6	55.6	54.6	54.6	54.6	54.6	55.6	55.6	55.6
172.5°	56.5	55.6	56.5	57.5	57.5	56.5	55.6	55.6	56.5	57.5	57.5
175°	57.5	57.5	56.5	56.5	56.5	55.6	55.6	55.6	56.5	57.5	56.5
177.5°	51.7	51.7	50.7	51.7	51.7	51.7	50.7	51.7	51.7	51.7	52.6
180°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7

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: SP1-2406-133-5

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

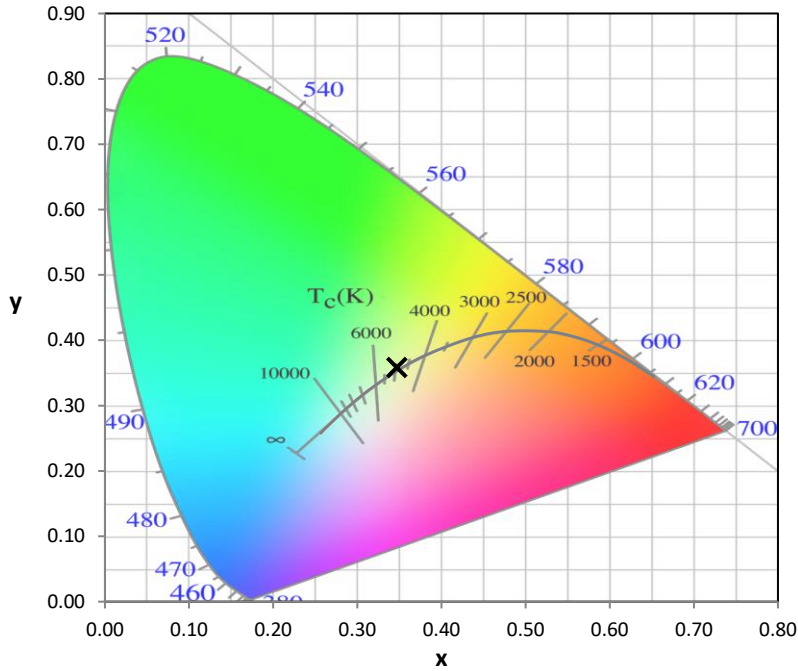
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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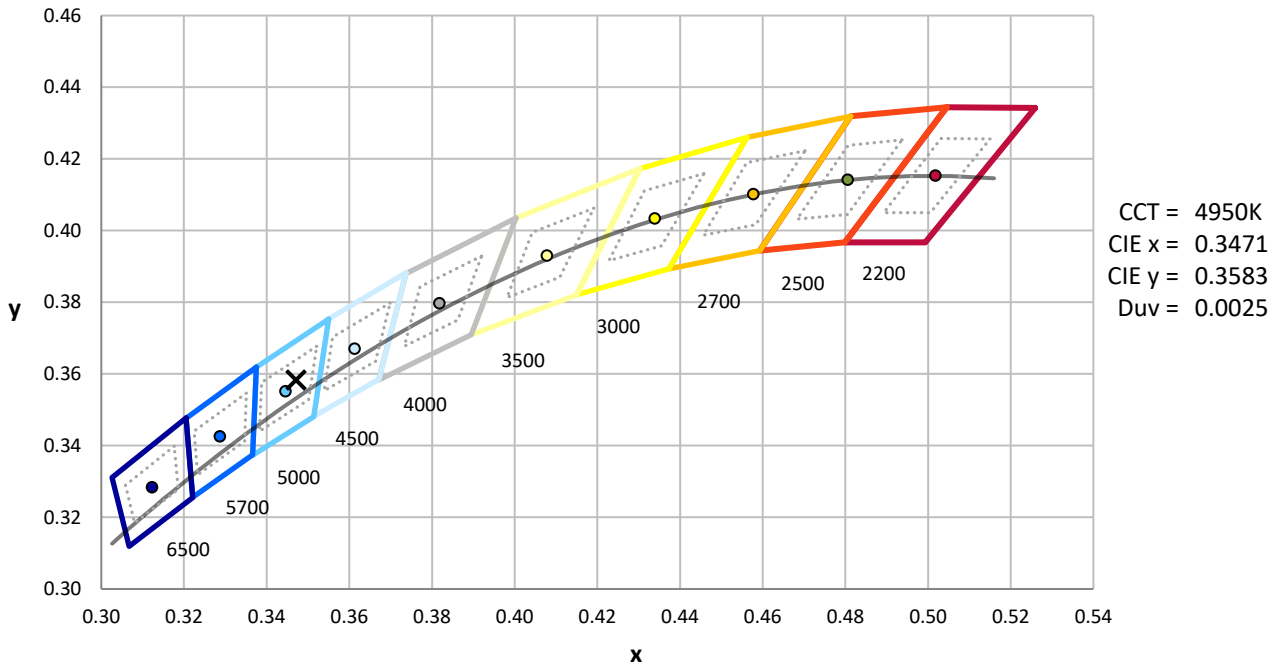
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



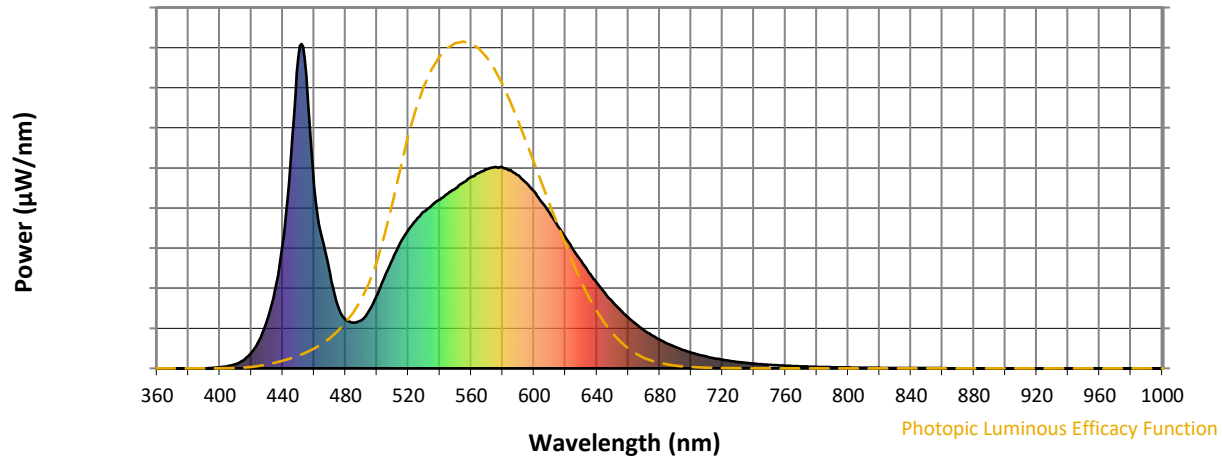
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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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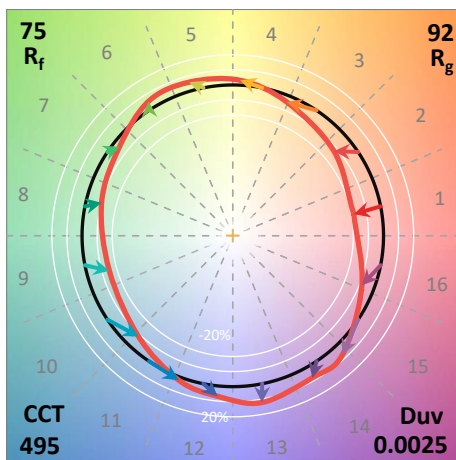
TM-30-18

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 ($R_{f,i}$)

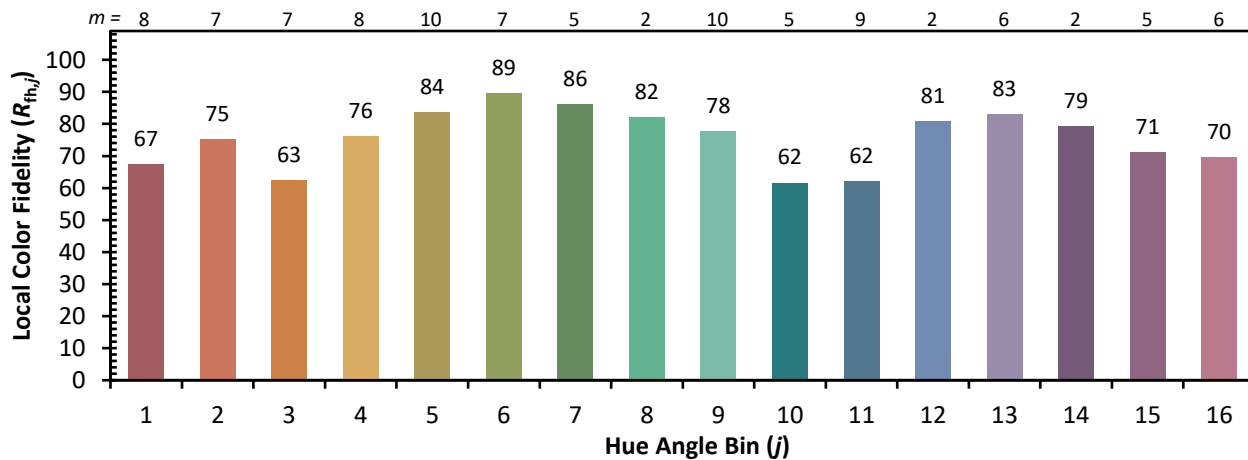
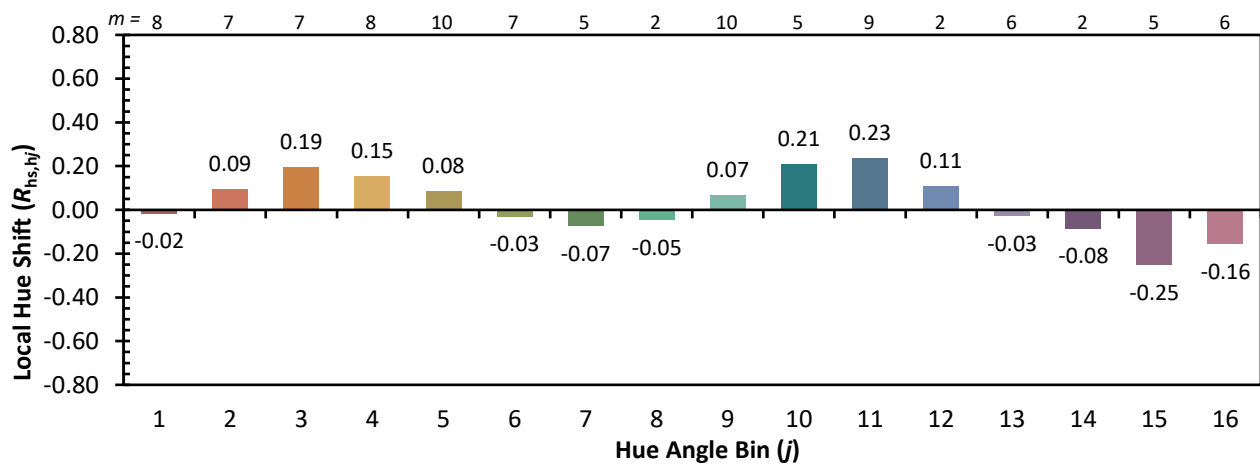
CES01 = 85	CES26 = 65	CES51 = 89	CES76 = 54
CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 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)