

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: P856374

Luminaire Tested: **FFX-CLB-70-722-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856374
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-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

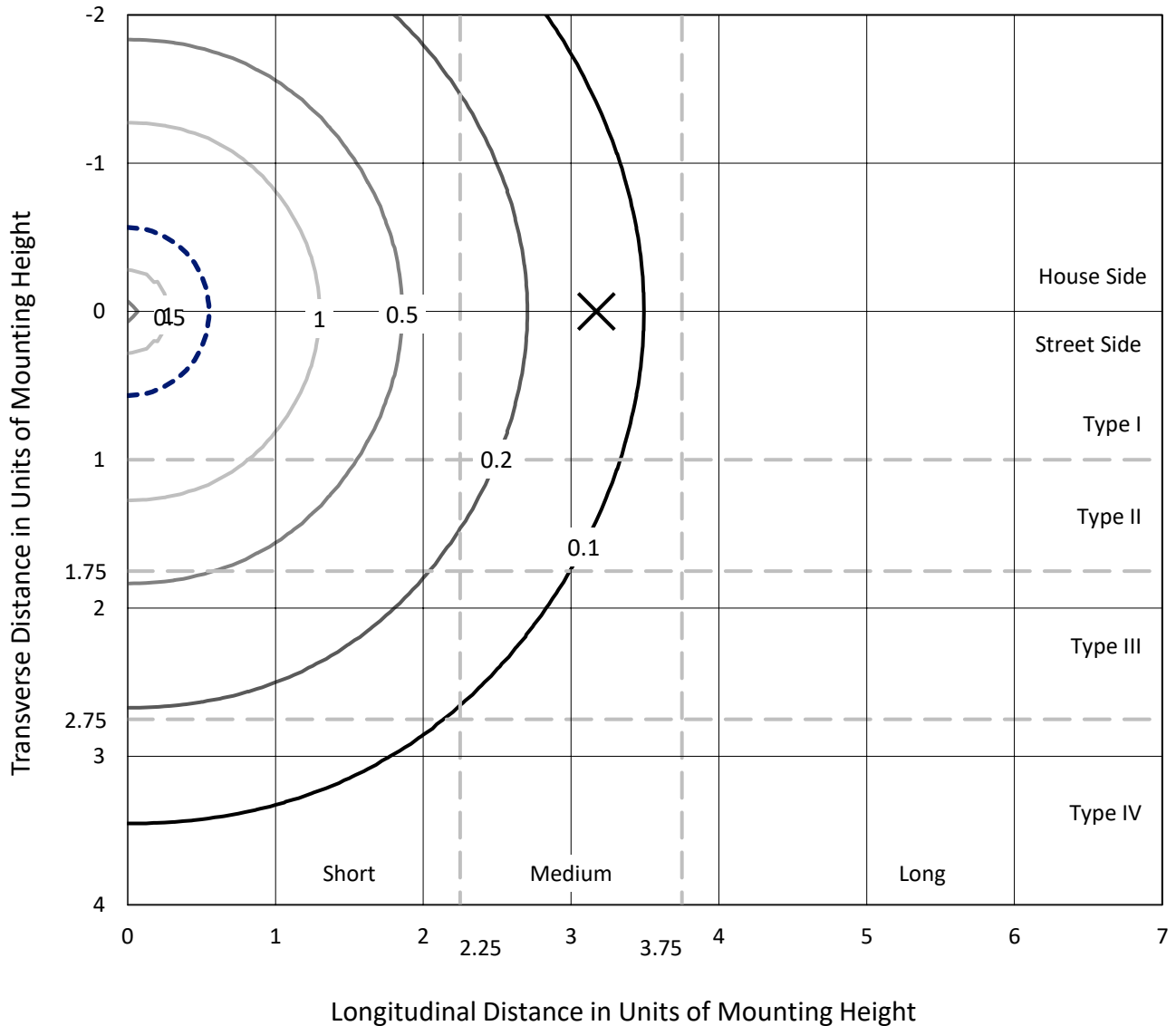
Lumens per Lamp: N/A
Luminaire Lumens: 9535.4 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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

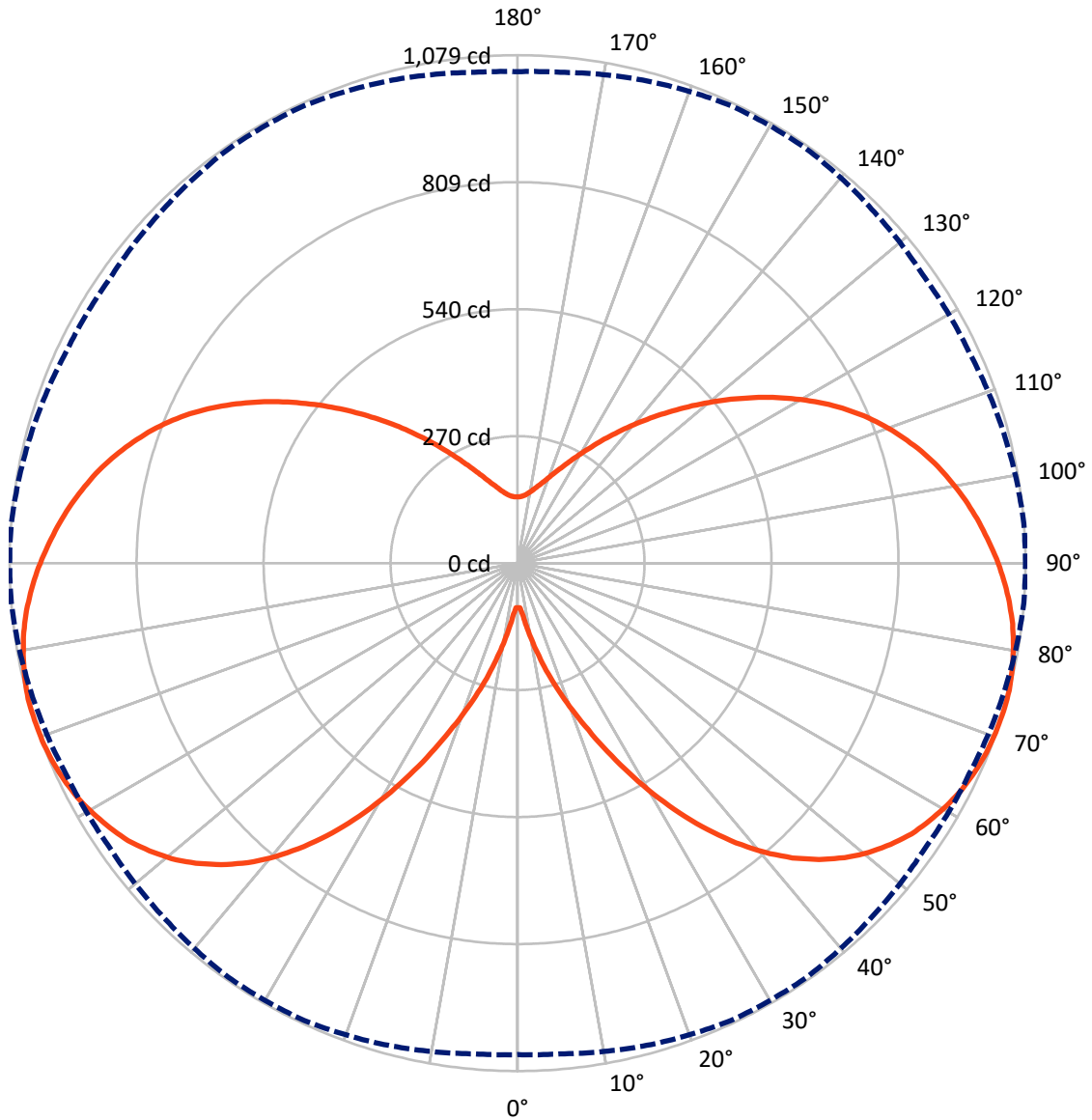
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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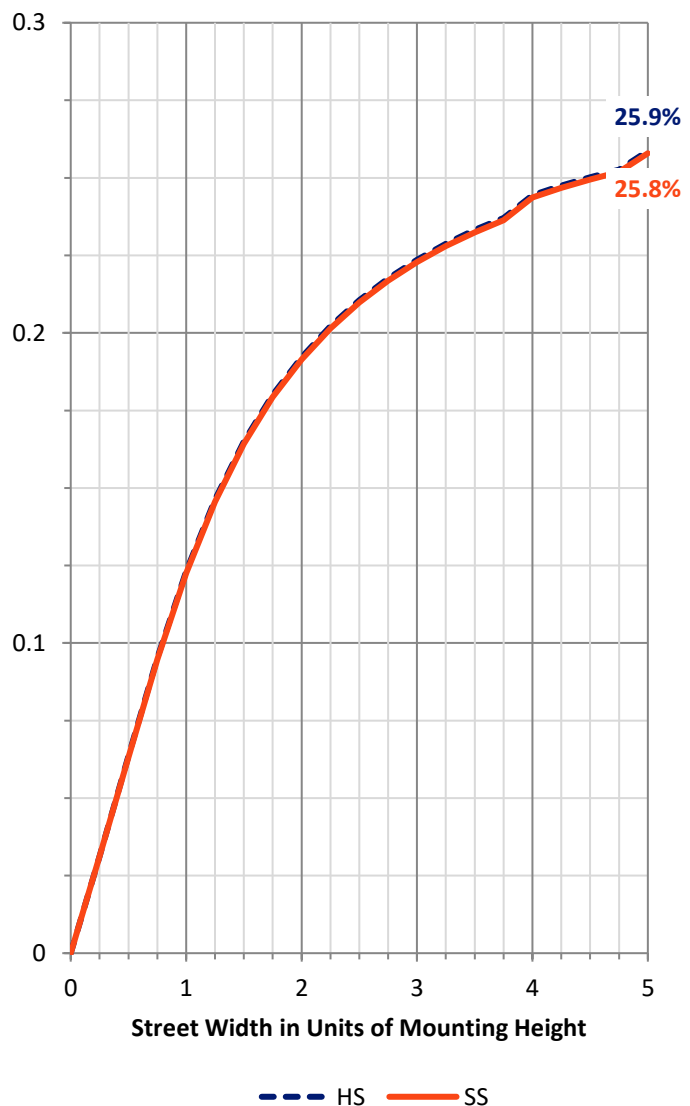
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2792.8	1974.9	4767.7
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	2792.8	1974.9	4767.7
	% Fixture	29.3	20.7	50.0
Total	Lumens	5585.7	3949.8	9535.4
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.1
10°-20°	71.5	0.8
20°-30°	206.7	2.2
30°-40°	429.9	4.5
40°-50°	682.3	7.2
50°-60°	895.6	9.4
60°-70°	1044.4	11.0
70°-80°	1121.7	11.8
80°-90°	1121.2	11.8
90°-100°	1049.5	11.0
100°-110°	920.9	9.7
110°-120°	740.6	7.8
120°-130°	531.9	5.6
130°-140°	341.9	3.6
140°-150°	198.3	2.1
150°-160°	104.2	1.1
160°-170°	48.5	0.5
170°-180°	14.0	0.1
0°-90°	5585.7	58.6
0°-180°	9535.4	100.0

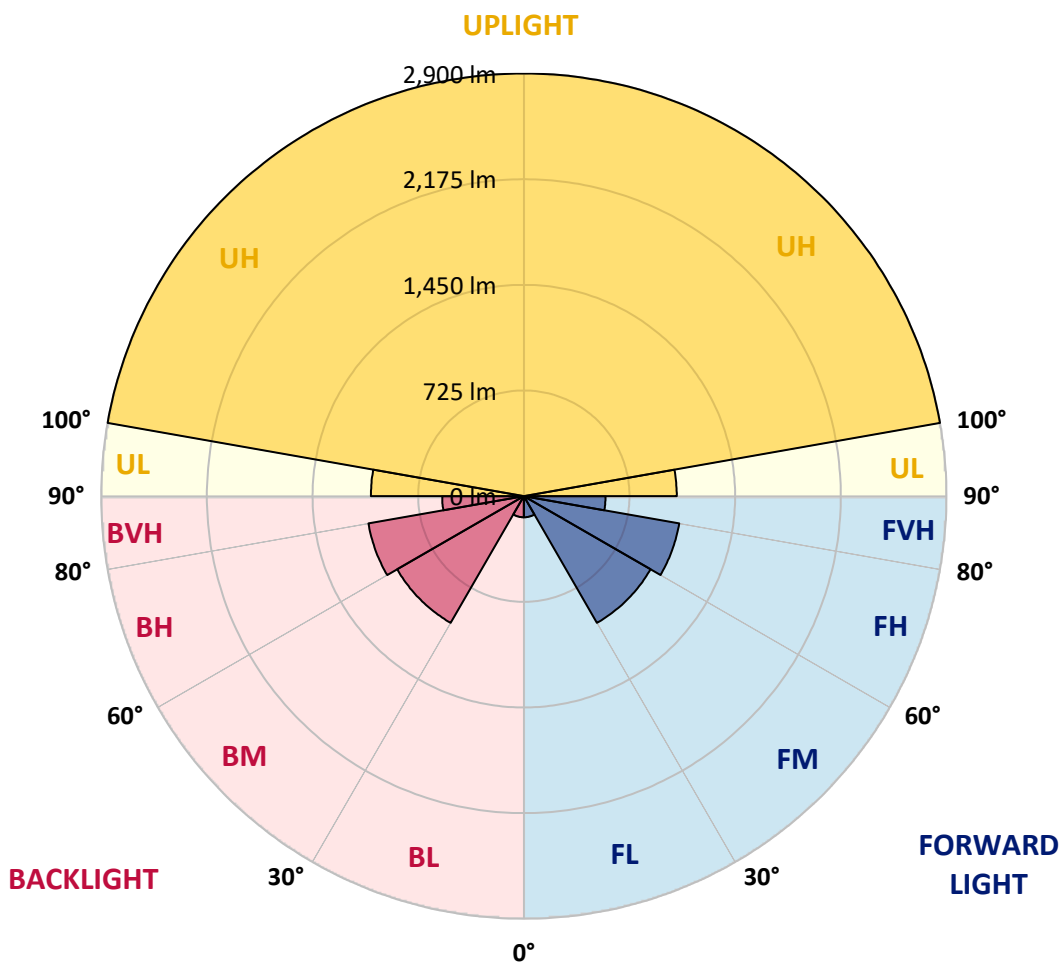


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.2	1.5			
FM (30°-60°)	1003.9	10.5			
FH (60°-80°)	1083.1	11.4			G1/1800
FVH (80°-90°)	560.6	5.9			G4/750
BL (0°-30°)	145.2	1.5	B1/500		
BM (30°-60°)	1003.9	10.5	B2/2500		
BH (60°-80°)	1083.1	11.4	B3/2500		G1/1800
BVH (80°-90°)	560.6	5.9			G4/750
UL (90°-100°)	1049.5	11.0		U5	
UH (100°-180°)	2900.2	30.4		U5	

BUG Rating: B3-U5-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
2.5°	98.2	98.2	97.6	97.6	97.0	96.4	96.4	95.7	95.1	95.1	95.1
5°	109.3	108.6	108.6	108.6	108.6	108.0	108.6	108.0	108.0	108.0	108.6
7.5°	133.2	132.6	132.6	132.6	133.2	133.2	133.8	134.4	135.0	135.0	135.0
10°	164.5	163.9	163.9	163.3	164.5	164.5	165.1	163.9	165.7	165.7	166.3
12.5°	201.3	200.7	200.7	200.1	201.3	200.7	201.9	200.7	203.8	202.5	202.5
15°	241.2	241.2	240.6	240.0	241.8	241.8	243.1	243.1	244.9	243.7	244.3
17.5°	283.6	283.0	283.0	282.3	284.2	284.2	284.2	285.4	287.9	285.4	287.2
20°	329.0	328.4	328.4	327.8	329.6	329.6	330.8	331.4	333.9	332.1	333.3
22.5°	378.1	377.5	377.5	377.5	379.9	380.5	380.5	382.4	385.5	382.4	384.8
25°	432.7	432.1	432.1	433.9	435.8	436.4	437.6	440.1	443.1	440.1	443.1
27.5°	491.0	490.4	491.6	494.1	495.9	497.2	499.0	499.6	503.9	500.8	505.1
30°	551.2	550.6	551.8	554.9	557.3	561.0	561.0	562.8	569.0	564.7	569.0
32.5°	610.7	610.1	611.9	615.6	619.3	623.0	623.6	626.1	632.2	629.1	633.4
35°	669.6	669.0	671.5	676.4	680.1	683.7	685.0	687.4	694.2	691.1	695.4
37.5°	725.5	725.5	727.9	733.5	737.8	742.7	742.1	745.1	751.3	749.4	753.7
40°	777.7	777.7	780.7	787.5	792.4	795.5	794.8	797.9	804.7	804.0	807.7
42.5°	824.9	824.9	829.2	836.0	840.9	842.7	842.7	845.8	853.2	852.5	856.2
45°	864.8	866.7	871.6	878.9	883.2	885.1	883.8	886.9	894.9	894.9	898.0
47.5°	901.6	904.1	909.0	916.4	919.4	921.3	920.1	922.5	930.5	931.7	934.8
50°	933.6	935.4	941.5	949.5	952.6	952.6	950.7	953.2	961.8	964.2	966.7
52.5°	961.2	963.0	969.8	978.4	980.2	979.6	977.1	979.6	988.2	990.6	992.5
55°	983.3	985.1	993.1	1001.7	1003.5	1001.7	998.0	1001.1	1009.1	1012.7	1015.8
57.5°	1001.1	1002.9	1012.1	1020.7	1022.6	1018.9	1014.6	1017.6	1026.9	1031.1	1032.4
60°	1015.8	1017.6	1027.5	1036.7	1037.9	1033.6	1028.7	1031.8	1041.0	1045.9	1047.1
62.5°	1027.5	1029.3	1039.7	1050.2	1050.8	1045.3	1039.7	1042.8	1052.0	1057.5	1059.4
65°	1035.4	1037.3	1048.9	1059.4	1060.6	1053.9	1048.3	1051.4	1060.0	1066.7	1068.0
67.5°	1041.0	1042.8	1055.7	1066.7	1067.4	1060.0	1053.9	1056.3	1066.1	1072.9	1074.1
70°	1043.4	1045.3	1058.8	1070.4	1071.0	1063.1	1055.7	1058.8	1068.6	1076.6	1077.8
72.5°	1044.0	1046.5	1060.6	1072.3	1072.9	1063.7	1056.3	1058.8	1069.2	1078.4	1079.0
75°	1041.6	1044.7	1059.4	1071.7	1071.7	1061.2	1053.2	1055.7	1067.4	1077.2	1079.0
77.5°	1038.5	1040.4	1055.7	1068.0	1067.4	1056.3	1047.1	1050.8	1062.5	1073.5	1074.7
80°	1031.8	1034.2	1049.6	1061.2	1060.0	1047.7	1039.1	1042.8	1055.1	1066.7	1068.0
82.5°	1023.2	1025.6	1041.0	1051.4	1050.2	1037.3	1028.7	1033.0	1045.9	1058.2	1059.4
85°	1012.7	1015.2	1029.9	1039.7	1037.9	1025.0	1016.4	1020.1	1034.2	1046.5	1047.7
87.5°	999.2	1001.7	1016.4	1025.0	1023.2	1009.7	1002.3	1007.2	1020.1	1033.0	1033.6
90°	983.9	987.0	999.8	1007.8	1005.4	993.1	986.3	991.3	1004.1	1016.4	1017.6
92.5°	968.5	969.8	982.0	988.8	987.0	975.9	969.8	975.3	987.0	999.2	999.2
95°	950.1	952.0	963.0	968.5	966.7	957.5	952.0	958.1	968.5	980.2	980.8
97.5°	930.5	932.3	941.5	947.1	945.2	937.2	933.6	939.7	948.9	959.9	960.6
100°	909.6	910.8	918.8	923.7	921.9	915.8	913.3	919.4	928.0	938.5	938.5
102.5°	886.3	887.5	893.7	896.7	896.1	891.2	891.2	898.0	904.7	914.5	915.8
105°	861.7	863.0	867.3	869.1	868.5	866.7	867.9	874.6	880.2	888.8	890.0
107.5°	834.1	835.4	837.8	838.4	838.4	838.4	842.7	848.9	855.0	861.1	861.7
110°	804.7	805.3	807.1	806.5	806.5	807.7	813.9	820.6	825.5	831.7	832.3



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 CATALOG NUMBER: FFX-CLB-70-722-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	772.7	773.4	774.6	772.1	772.7	775.2	783.2	790.5	793.6	799.8	799.8
115°	739.0	738.4	739.6	736.5	735.9	740.2	748.8	757.4	759.9	764.2	764.8
117.5°	702.2	702.8	702.2	698.5	697.9	704.0	712.0	720.0	723.0	727.9	726.7
120°	664.1	663.5	664.1	659.8	659.2	665.9	673.9	681.9	683.7	688.0	686.8
122.5°	625.4	624.8	624.2	619.9	619.9	625.4	635.3	643.2	642.0	646.9	646.3
125°	585.5	585.5	584.3	580.0	580.0	586.8	594.8	602.1	600.9	606.4	604.6
127.5°	546.3	546.3	545.0	541.4	541.4	547.5	554.9	562.2	560.4	565.3	563.4
130°	507.6	507.6	506.4	502.7	502.7	507.6	515.6	521.7	519.3	523.6	522.9
132.5°	470.8	470.2	469.5	465.9	466.5	471.4	477.5	483.0	480.6	485.5	483.7
135°	435.2	434.6	433.9	430.3	430.9	435.8	441.3	445.6	443.8	446.8	446.2
137.5°	401.4	400.8	400.2	397.1	397.7	401.4	406.9	410.6	408.2	412.5	410.6
140°	369.5	368.9	367.7	365.8	366.4	370.1	373.2	377.5	375.0	378.7	376.9
142.5°	338.8	338.8	337.6	335.7	336.4	340.0	342.5	345.6	343.1	346.2	344.9
145°	310.6	310.6	309.3	308.1	308.1	311.2	313.0	316.1	313.6	316.7	315.5
147.5°	284.8	284.8	283.6	282.3	282.3	285.4	286.6	289.1	286.6	289.1	287.9
150°	260.9	260.9	260.2	259.0	259.6	260.9	262.1	263.9	262.1	263.9	263.3
152.5°	240.0	240.0	239.4	238.8	238.1	240.0	240.6	242.4	240.6	242.4	241.2
155°	221.6	221.0	221.0	219.7	219.7	221.0	221.6	222.8	221.0	222.8	222.2
157.5°	205.0	205.0	204.4	203.8	203.8	204.4	205.0	205.6	204.4	206.2	205.0
160°	190.9	190.9	190.3	189.7	189.7	190.3	190.3	190.9	189.7	190.9	190.3
162.5°	178.6	178.6	178.0	178.0	177.4	178.0	178.6	178.6	178.0	178.6	178.0
165°	168.8	168.8	168.2	167.6	167.6	168.2	168.2	168.8	167.6	168.2	168.2
167.5°	159.6	159.6	159.6	159.0	158.4	159.0	159.0	159.0	158.4	159.0	159.0
170°	152.8	152.8	152.8	152.2	151.6	152.2	152.2	152.2	151.6	152.2	152.2
172.5°	147.3	147.3	147.3	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7
175°	143.6	143.6	143.6	143.6	143.0	143.6	143.6	143.6	143.6	143.6	143.0
177.5°	141.8	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2
180°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6

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.

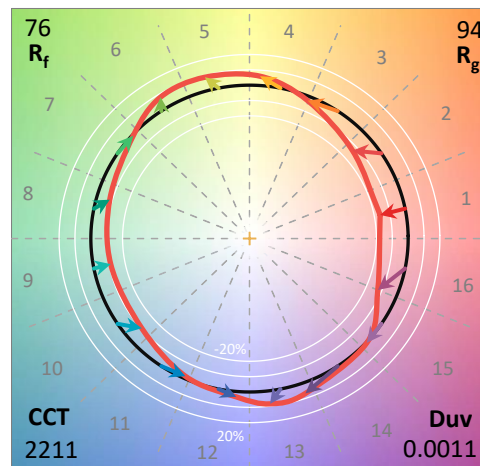
Test Information

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

REPORT NUMBER: SP1-2406-133-2

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 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			

REPORT NUMBER: SP1-2406-133-2

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

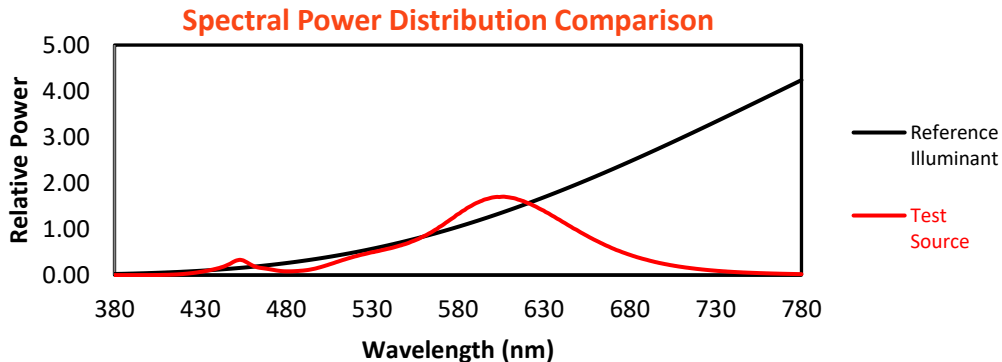
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	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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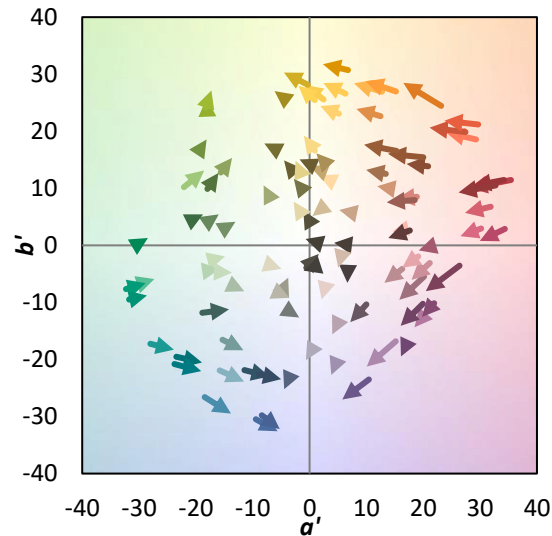
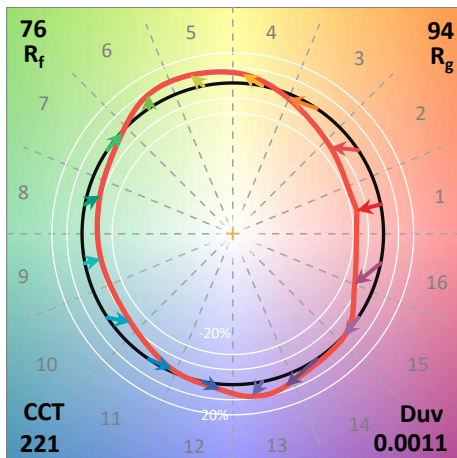
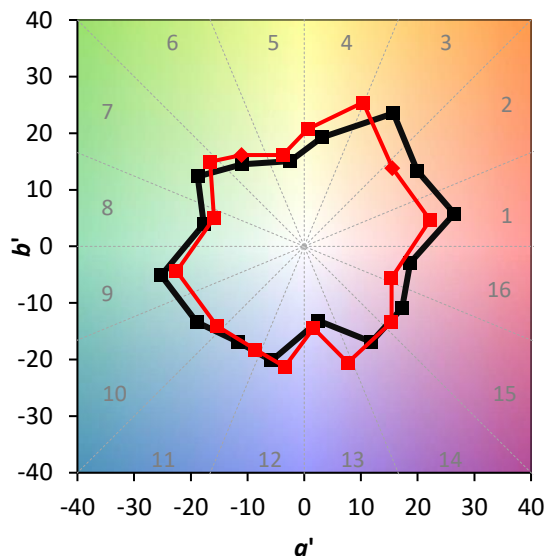
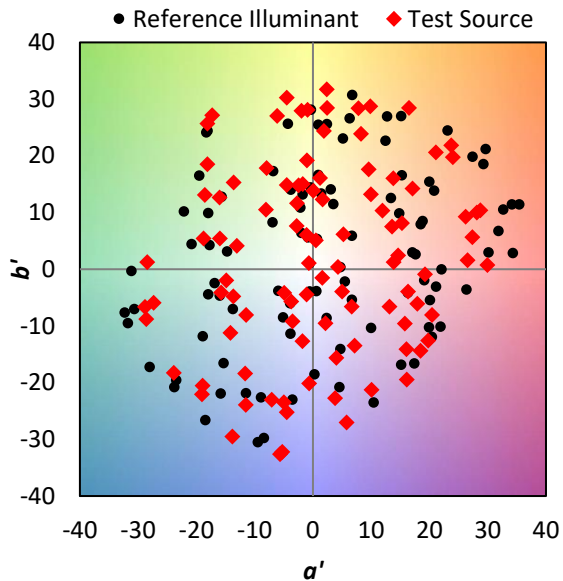
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Summary

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



Color Vector Graphics

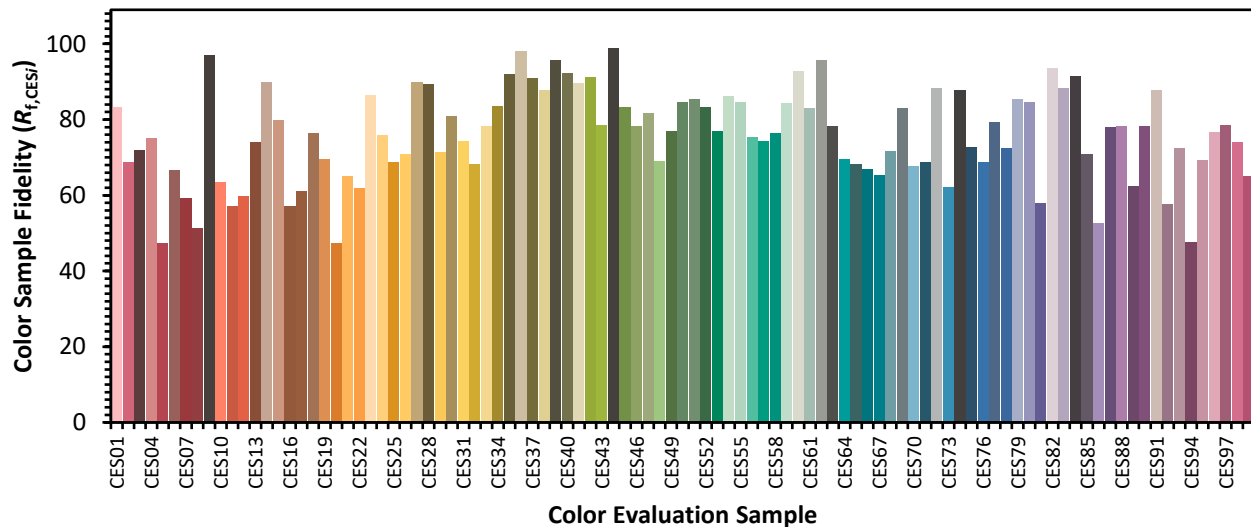


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Individual Sample Fidelity Index ($R_{f,i}$)

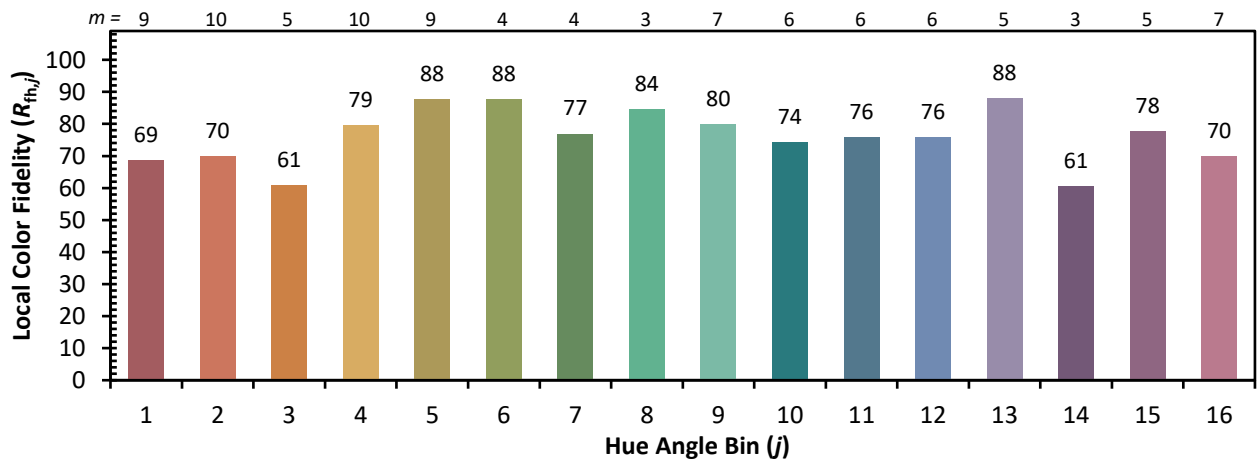
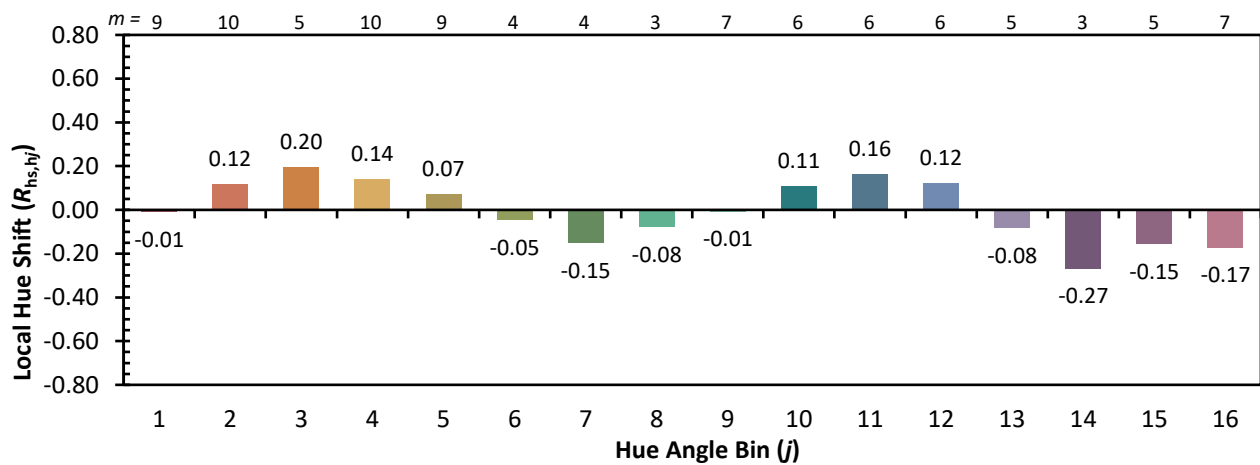
CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 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)