

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: P856264

Luminaire Tested: **FFX-CLB-90-740-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856264
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-90-740-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

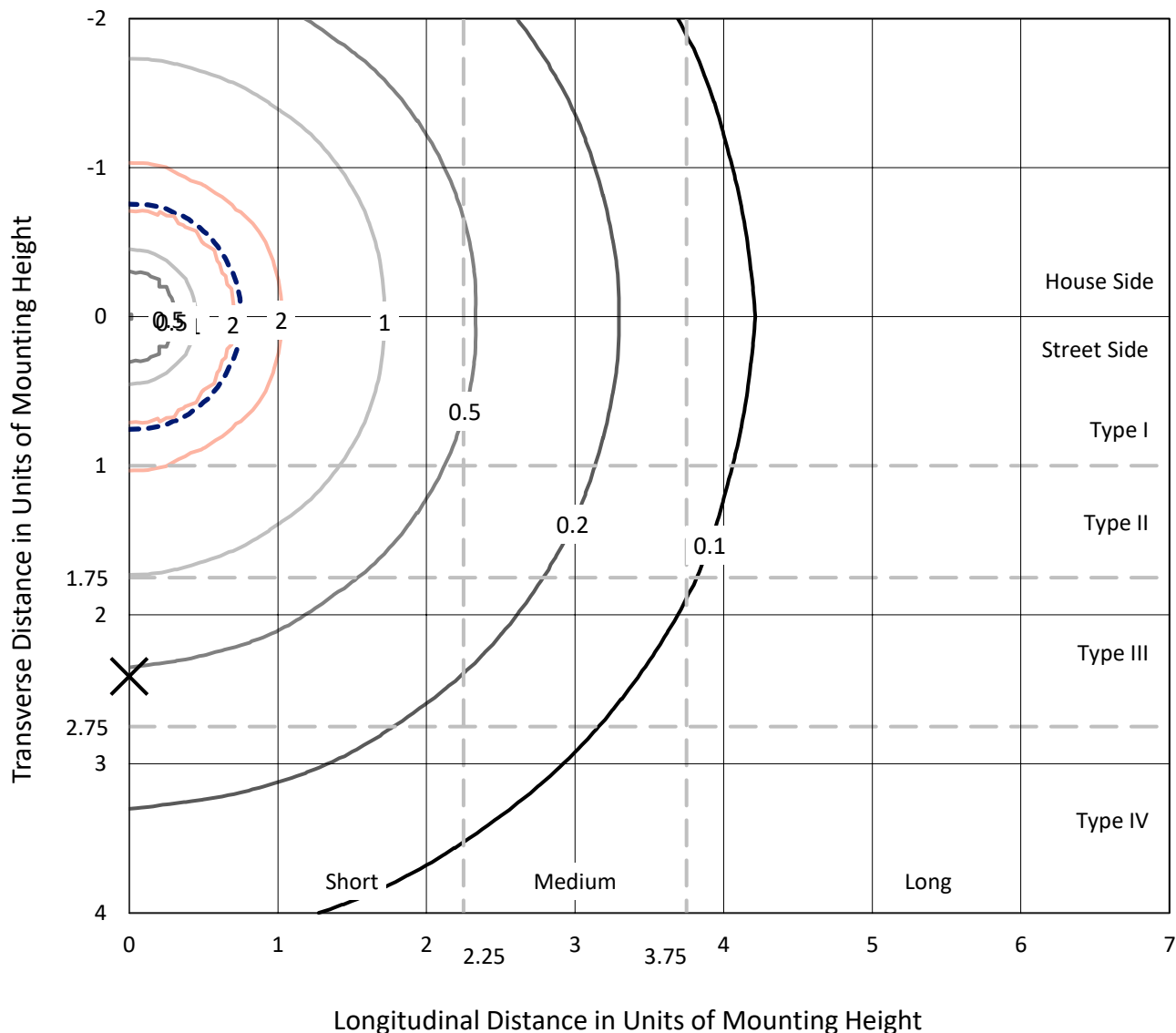
Lumens per Lamp: N/A
Luminaire Lumens: 14854.9 lumens
Efficiency: N/A
Efficacy: 164.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

Input Watts (W): 90.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.6%%
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

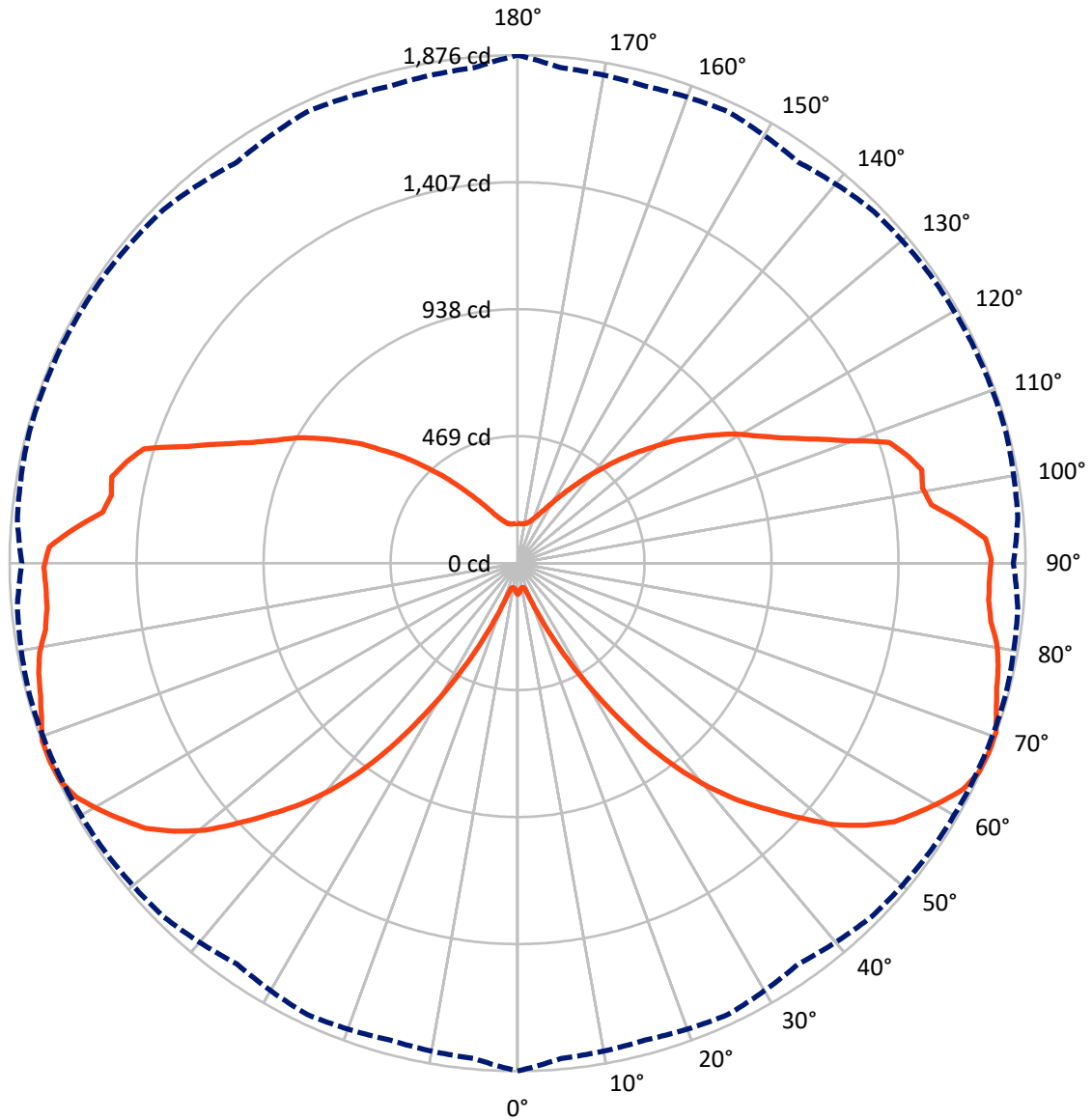
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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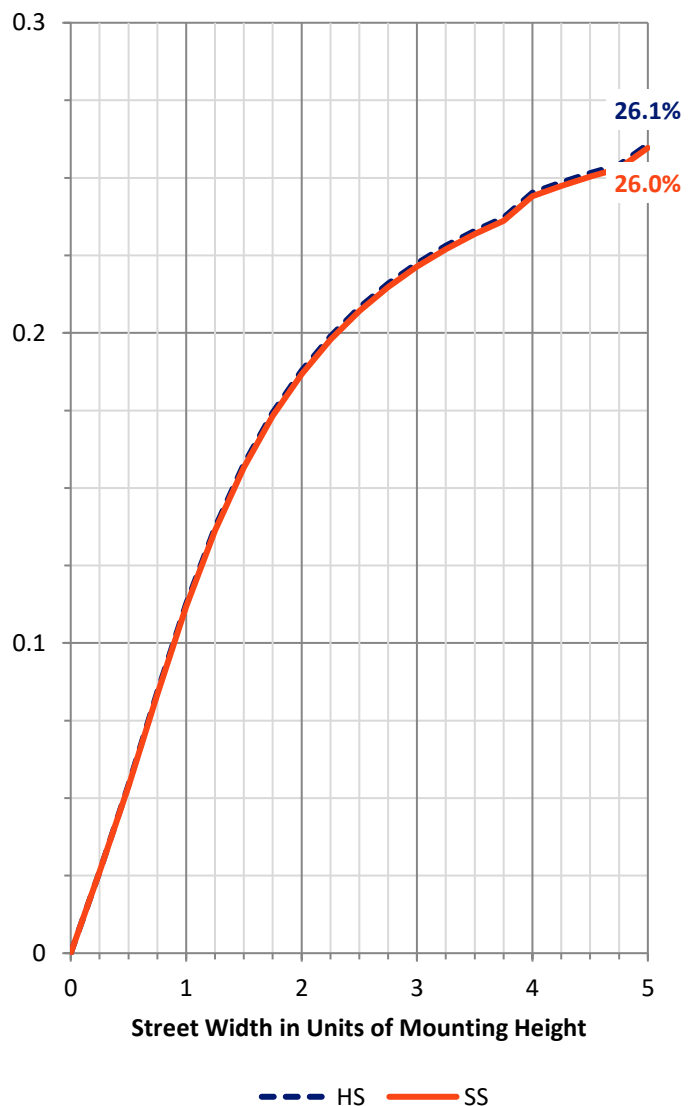
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4431.6	2995.9	7427.5
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	4431.6	2995.9	7427.5
	% Fixture	29.8	20.2	50.0
Total	Lumens	8863.1	5991.8	14854.9
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.1
10°-20°	31.7	0.2
20°-30°	158.6	1.1
30°-40°	521.3	3.5
40°-50°	1008.2	6.8
50°-60°	1491.9	10.0
60°-70°	1813.8	12.2
70°-80°	1914.8	12.9
80°-90°	1913.3	12.9
90°-100°	1789.9	12.0
100°-110°	1592.3	10.7
110°-120°	1089.1	7.3
120°-130°	731.5	4.9
130°-140°	424.8	2.9
140°-150°	209.2	1.4
150°-160°	96.6	0.7
160°-170°	44.6	0.3
170°-180°	14.0	0.1
0°-90°	8863.1	59.7
0°-180°	14854.9	100.0

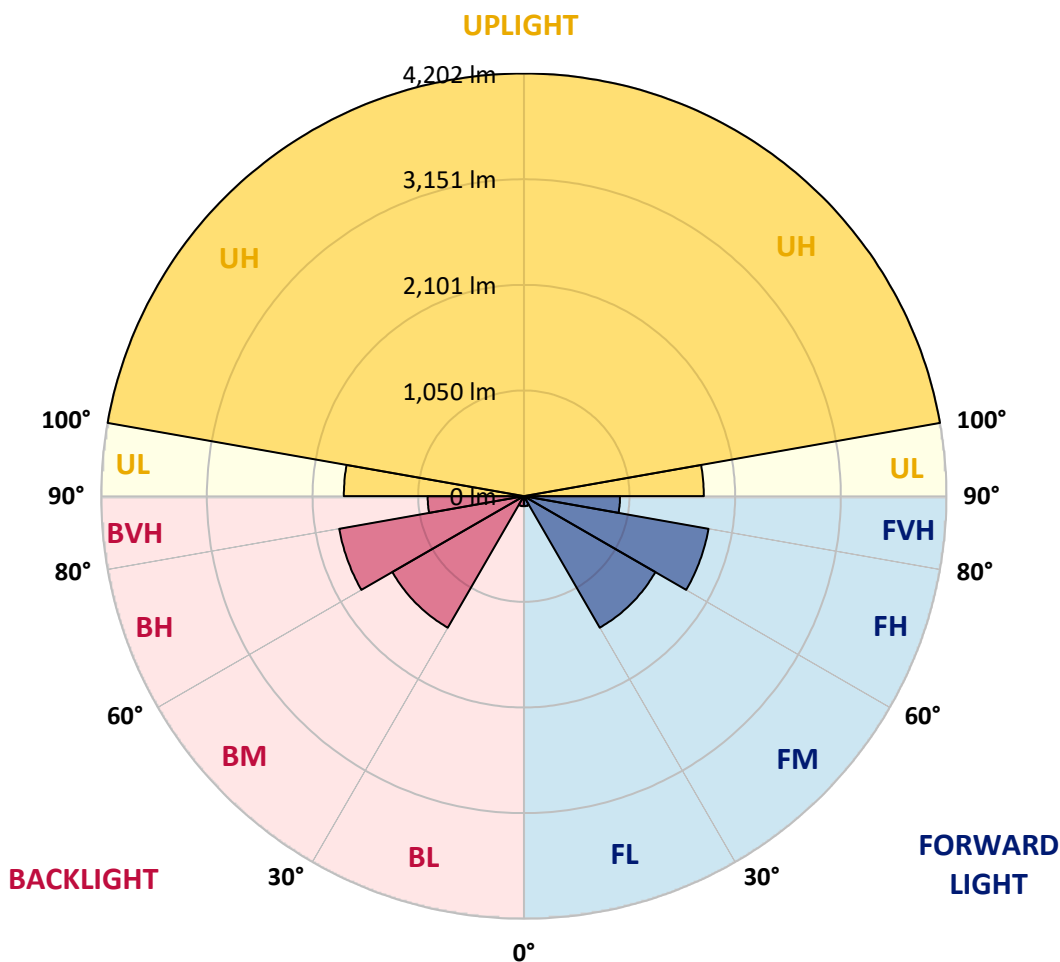


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.0	0.7			
FM (30°-60°)	1510.7	10.2			
FH (60°-80°)	1864.3	12.5			G2/5000
FVH (80°-90°)	956.6	6.4			G5
BL (0°-30°)	100.0	0.7	B0/110		
BM (30°-60°)	1510.7	10.2	B2/2500		
BH (60°-80°)	1864.3	12.5	B3/2500		G2/5000
BVH (80°-90°)	956.6	6.4			G5
UL (90°-100°)	1789.9	12.0		U5	
UH (100°-180°)	4202.0	28.3		U5	

BUG Rating: B3-U5-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3
2.5°	110.6	109.6	108.7	107.8	108.7	109.6	111.5	112.4	112.4	112.4	112.4
5°	100.3	101.2	102.1	103.1	103.1	103.1	103.1	104.0	104.9	104.9	104.9
7.5°	94.6	94.6	95.6	98.4	99.3	98.4	98.4	99.3	96.5	93.7	92.8
10°	91.8	91.8	92.8	93.7	94.6	96.5	97.5	97.5	97.5	97.5	96.5
12.5°	92.8	91.8	92.8	93.7	95.6	96.5	94.6	94.6	96.5	98.4	99.3
15°	97.5	96.5	96.5	98.4	99.3	99.3	97.5	97.5	98.4	100.3	100.3
17.5°	118.1	116.2	115.3	116.2	115.3	116.2	115.3	117.1	117.1	116.2	115.3
20°	161.2	159.3	156.5	155.5	156.5	159.3	160.2	163.0	160.2	159.3	155.5
22.5°	228.6	225.8	224.0	224.0	226.8	228.6	227.7	231.4	229.6	228.6	224.9
25°	314.8	313.0	313.9	318.6	323.3	320.5	313.0	318.6	318.6	317.7	316.7
27.5°	422.6	416.0	418.9	431.0	434.8	427.3	418.9	425.4	428.2	429.2	429.2
30°	545.4	540.7	539.7	552.9	557.5	551.0	545.4	552.9	552.9	555.7	555.7
32.5°	678.4	675.6	670.9	678.4	685.9	684.0	684.0	689.7	687.8	690.6	691.5
35°	824.6	819.0	809.6	810.5	819.0	819.9	826.5	830.2	828.3	827.4	827.4
37.5°	962.3	954.8	946.4	941.7	952.0	951.1	966.1	966.1	962.3	963.3	963.3
40°	1087.0	1082.3	1075.7	1062.6	1082.3	1078.5	1096.3	1096.3	1086.0	1088.8	1087.0
42.5°	1198.5	1198.5	1191.0	1171.3	1191.9	1188.2	1211.6	1211.6	1197.5	1196.6	1193.8
45°	1298.7	1303.4	1299.7	1281.9	1289.4	1292.2	1314.7	1310.0	1298.7	1298.7	1294.1
47.5°	1406.5	1411.2	1398.1	1379.3	1387.8	1392.4	1413.1	1411.2	1404.6	1396.2	1396.2
50°	1518.9	1519.9	1493.6	1471.2	1478.6	1503.0	1518.0	1521.8	1507.7	1488.0	1487.1
52.5°	1608.0	1613.6	1588.3	1563.9	1569.5	1597.7	1614.5	1615.5	1597.7	1569.5	1578.0
55°	1686.7	1692.3	1667.0	1645.4	1656.7	1671.7	1691.4	1680.1	1681.0	1651.1	1665.1
57.5°	1740.1	1758.8	1716.7	1712.0	1722.3	1740.1	1748.5	1745.7	1751.3	1723.2	1727.9
60°	1793.5	1801.9	1766.3	1772.9	1760.7	1792.6	1799.1	1805.7	1790.7	1771.0	1771.0
62.5°	1844.1	1823.5	1798.2	1814.1	1781.3	1821.6	1829.1	1836.6	1820.7	1801.9	1805.7
65°	1870.3	1832.9	1811.3	1831.0	1799.1	1835.7	1847.8	1850.7	1847.8	1830.0	1821.6
67.5°	1876.0	1836.6	1823.5	1839.4	1807.6	1847.8	1859.1	1864.7	1867.5	1854.4	1831.0
70°	1874.1	1831.9	1820.7	1835.7	1815.0	1852.5	1853.5	1861.9	1865.6	1871.3	1845.0
72.5°	1848.8	1812.2	1809.4	1822.5	1803.8	1828.2	1829.1	1839.4	1833.8	1851.6	1838.5
75°	1828.2	1803.8	1808.5	1805.7	1786.9	1801.0	1804.7	1816.9	1796.3	1813.2	1824.4
77.5°	1815.0	1801.9	1813.2	1798.2	1778.5	1787.9	1793.5	1807.6	1776.6	1790.7	1823.5
80°	1794.4	1790.7	1804.7	1782.3	1765.4	1773.8	1783.2	1795.4	1761.6	1771.0	1817.9
82.5°	1760.7	1763.5	1776.6	1750.4	1739.1	1748.5	1759.8	1778.5	1743.8	1749.5	1799.1
85°	1745.7	1757.9	1764.4	1738.2	1725.1	1730.7	1742.9	1762.6	1726.0	1734.5	1785.1
87.5°	1743.8	1758.8	1763.5	1741.0	1729.8	1738.2	1743.8	1771.9	1732.6	1742.9	1794.4
90°	1749.5	1755.1	1757.9	1738.2	1728.8	1742.0	1742.9	1777.6	1738.2	1741.0	1786.9
92.5°	1730.7	1731.7	1737.3	1719.5	1718.5	1727.9	1726.0	1755.1	1712.0	1705.4	1744.8
95°	1639.8	1632.3	1644.5	1635.1	1654.8	1668.9	1684.8	1721.3	1699.8	1705.4	1739.1
97.5°	1543.3	1545.2	1548.9	1533.9	1531.1	1536.7	1543.3	1562.0	1555.5	1561.1	1593.0
100°	1520.8	1527.4	1526.4	1518.9	1488.0	1481.5	1467.4	1447.7	1421.5	1425.2	1429.9
102.5°	1532.1	1549.9	1552.7	1563.0	1563.0	1558.3	1568.6	1560.2	1564.9	1592.0	1577.0
105°	1491.8	1512.4	1525.5	1536.7	1558.3	1576.1	1623.9	1652.9	1676.4	1709.2	1704.5
107.5°	1443.0	1453.3	1462.7	1462.7	1457.1	1454.3	1480.5	1485.2	1478.6	1487.1	1488.0
110°	1291.2	1290.3	1299.7	1295.9	1298.7	1283.7	1291.2	1316.5	1310.9	1327.8	1330.6



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 CATALOG NUMBER: FFX-CLB-90-740-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1173.2	1173.2	1179.7	1170.4	1171.3	1159.1	1163.8	1180.7	1181.6	1195.7	1203.2
115°	1073.8	1072.0	1081.3	1073.8	1065.4	1062.6	1067.3	1077.6	1080.4	1089.8	1104.8
117.5°	999.8	990.5	997.9	998.9	1002.6	995.1	1006.4	1012.9	1016.7	1024.2	1036.4
120°	938.9	929.5	932.4	941.7	953.0	937.0	949.2	954.8	957.7	960.5	966.1
122.5°	869.6	863.0	860.2	878.9	885.5	871.4	878.0	886.4	891.1	895.8	900.5
125°	799.3	793.7	790.9	807.7	814.3	803.0	812.4	824.6	822.7	833.0	823.7
127.5°	735.6	733.7	730.0	738.4	743.1	742.1	750.6	765.6	759.0	768.4	758.1
130°	659.7	667.2	661.6	671.9	672.8	680.3	683.1	697.2	690.6	692.5	685.9
132.5°	597.8	600.6	597.8	601.6	604.4	604.4	611.9	626.9	616.6	615.6	610.0
135°	535.0	536.0	532.2	537.9	539.7	535.0	542.5	553.8	548.2	545.4	545.4
137.5°	473.2	472.3	473.2	475.1	477.0	476.0	479.8	488.2	486.3	482.6	487.3
140°	420.7	417.9	418.9	419.8	418.9	418.9	422.6	430.1	430.1	425.4	430.1
142.5°	368.3	367.3	367.3	367.3	367.3	369.2	372.9	374.8	376.7	372.9	372.0
145°	324.2	323.3	322.3	322.3	322.3	323.3	327.0	326.1	329.8	326.1	323.3
147.5°	284.9	285.8	283.9	283.0	282.0	284.9	285.8	287.7	289.5	287.7	284.9
150°	253.0	252.1	252.1	250.2	250.2	253.0	252.1	253.9	255.8	254.9	253.9
152.5°	224.9	224.9	224.9	223.0	224.0	225.8	225.8	225.8	227.7	227.7	226.8
155°	202.4	202.4	202.4	201.5	201.5	203.3	203.3	203.3	204.3	204.3	204.3
157.5°	185.5	185.5	184.6	184.6	184.6	185.5	184.6	184.6	185.5	185.5	185.5
160°	172.4	172.4	171.5	171.5	170.5	171.5	170.5	170.5	171.5	171.5	171.5
162.5°	162.1	162.1	161.2	161.2	161.2	161.2	161.2	160.2	160.2	161.2	160.2
165°	154.6	154.6	154.6	154.6	154.6	154.6	154.6	153.7	153.7	153.7	153.7
167.5°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9
170°	147.1	147.1	147.1	148.1	148.1	148.1	147.1	147.1	148.1	148.1	147.1
172.5°	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2
175°	146.2	146.2	146.2	146.2	146.2	146.2	145.2	146.2	146.2	146.2	146.2
177.5°	146.2	145.2	145.2	146.2	146.2	145.2	145.2	145.2	145.2	145.2	145.2
180°	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2

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: SP1-2406-133-1

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5.

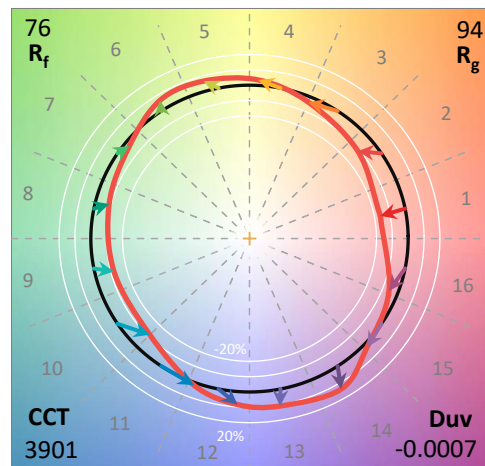
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-1
 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-100-740-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3901
 CIE u': 0.2273
 CIE v': 0.5026
 Duv: -0.0007
 CIE x: 0.3844
 CIE y: 0.3776
 CIE z: 0.2380
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 579
 Purity: 28.6799
 Rf: 76.2
 Rg: 94.4

CRI (Ra):	74.5		
R1:	71.8	R9:	-23.4
R2:	81.9	R10:	56.6
R3:	89.3	R11:	68.4
R4:	72.6	R12:	46.6
R5:	71.3	R13:	73.7
R6:	74.0	R14:	93.9
R7:	81.5	R15:	65.1
R8:	53.3		



Test Conditions

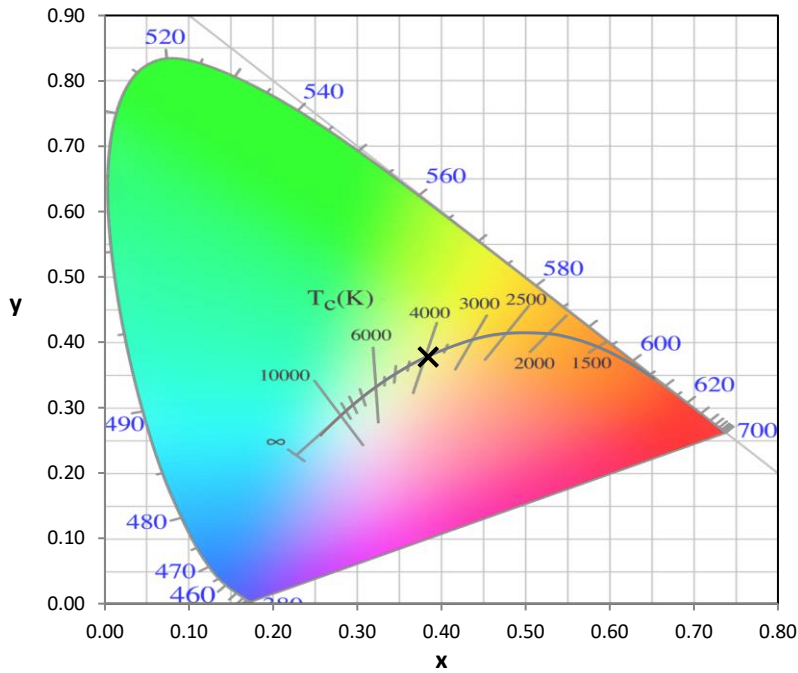
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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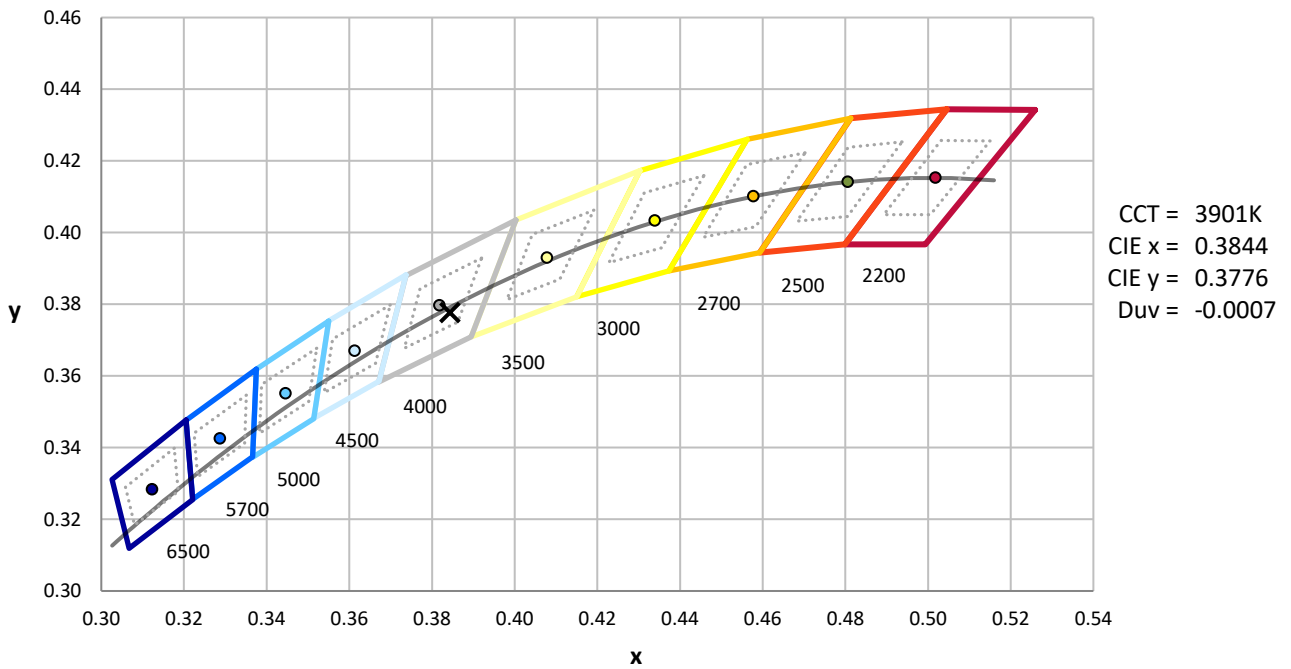
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 4000K 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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.53

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.04

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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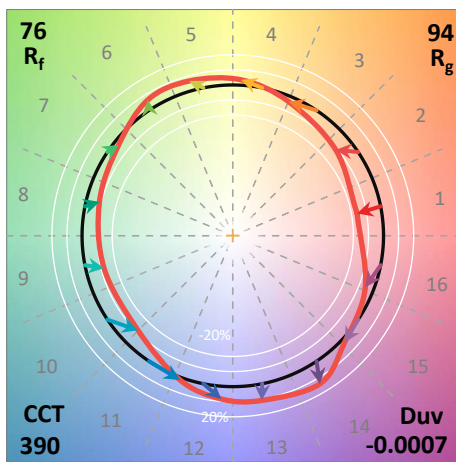
TM-30-18

Summary

$R_f = 76.2$
 $R_g = 94.4$
 CIE $R_a = 74.5$
 $R_g = -23.4$



Color Vector Graphics

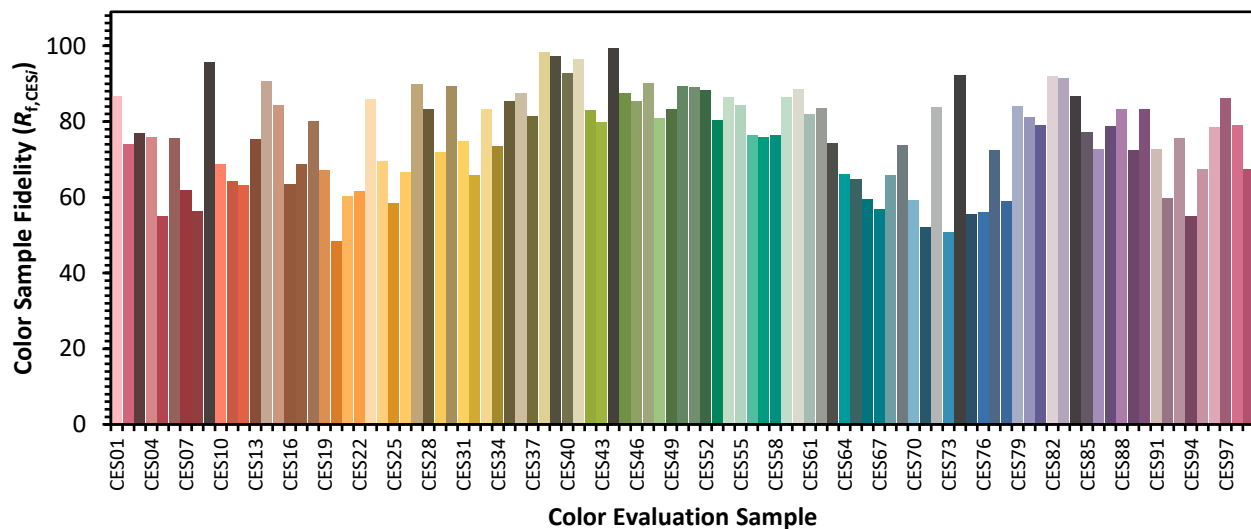


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Individual Sample Fidelity Index ($R_{f,i}$)

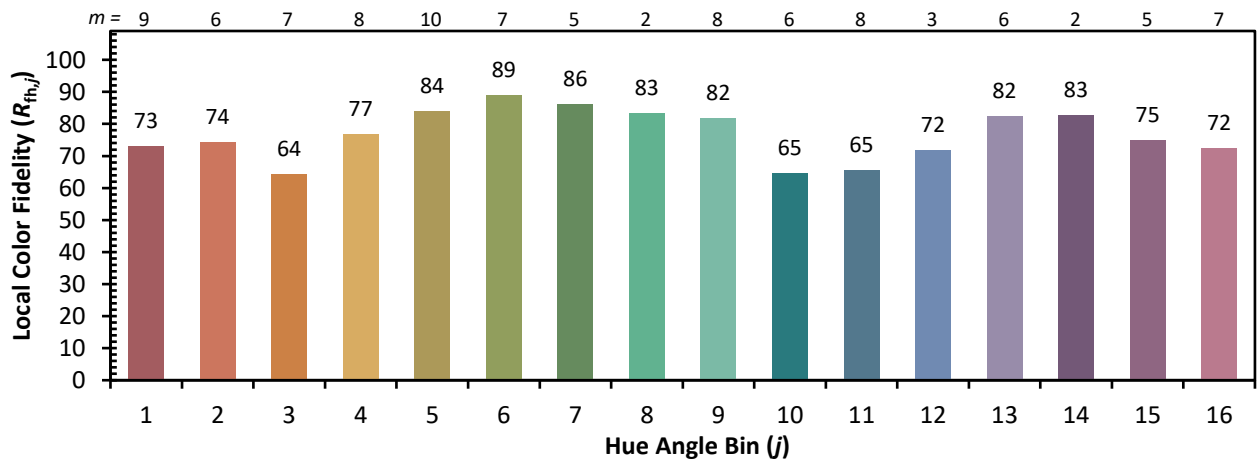
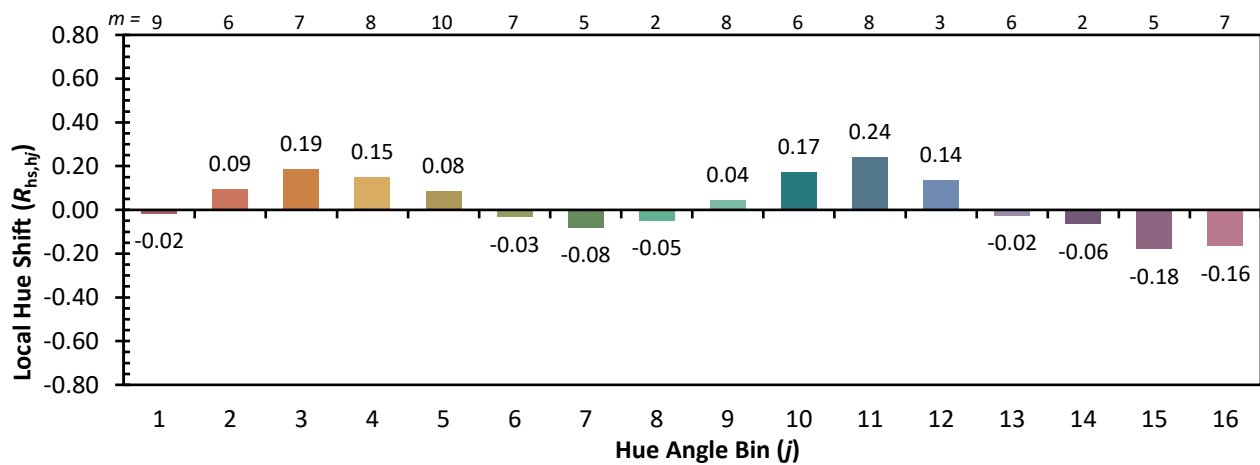
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
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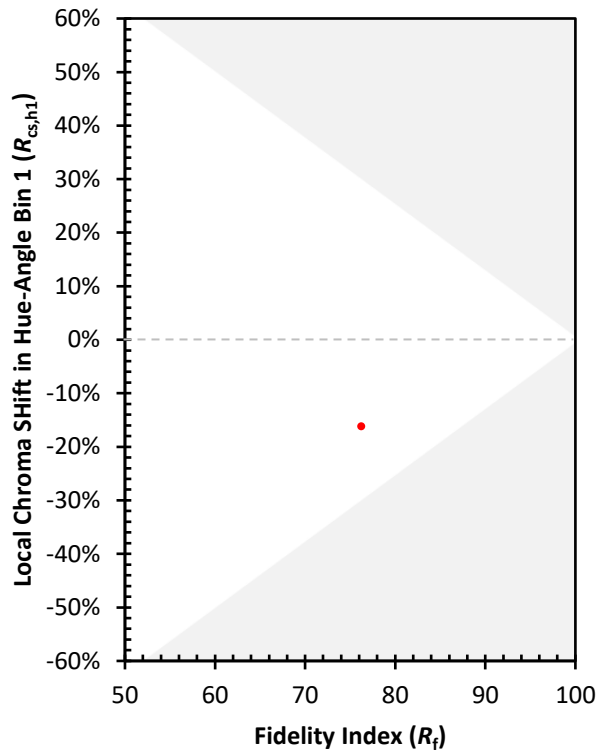
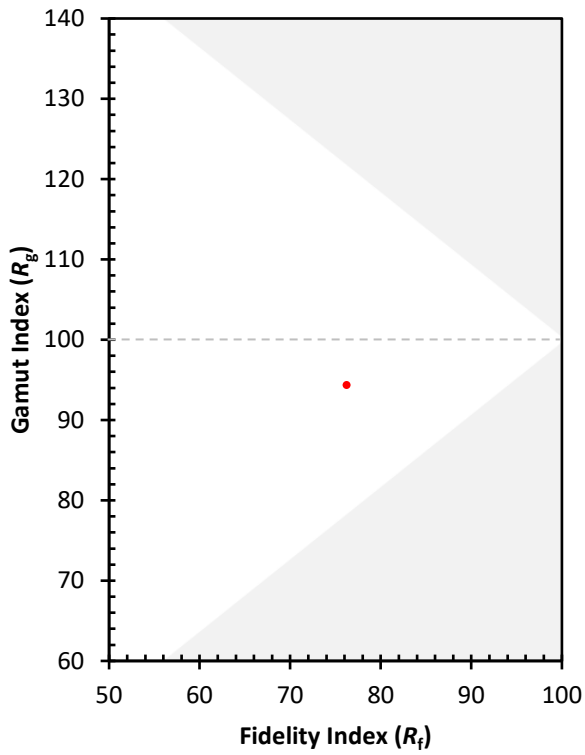
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)