

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: P856255

Luminaire Tested: **FFX-CLB-90-730-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856255
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-90-730-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

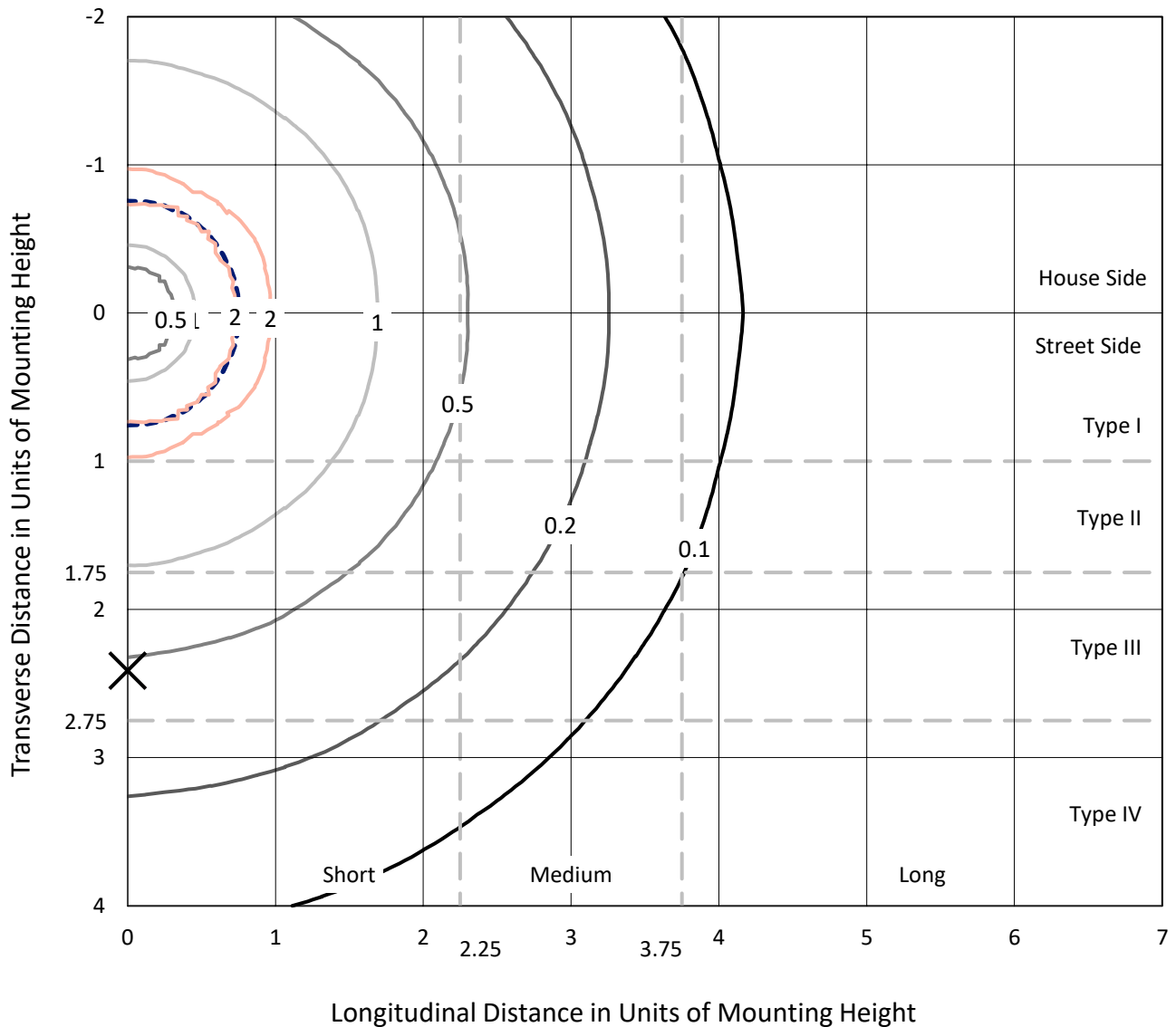
Lumens per Lamp: N/A
Luminaire Lumens: 14379.6 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

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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 CATALOG NUMBER: FFX-CLB-90-730-U-PG

Iso-Footcandle Lines of Horizontal Illumination

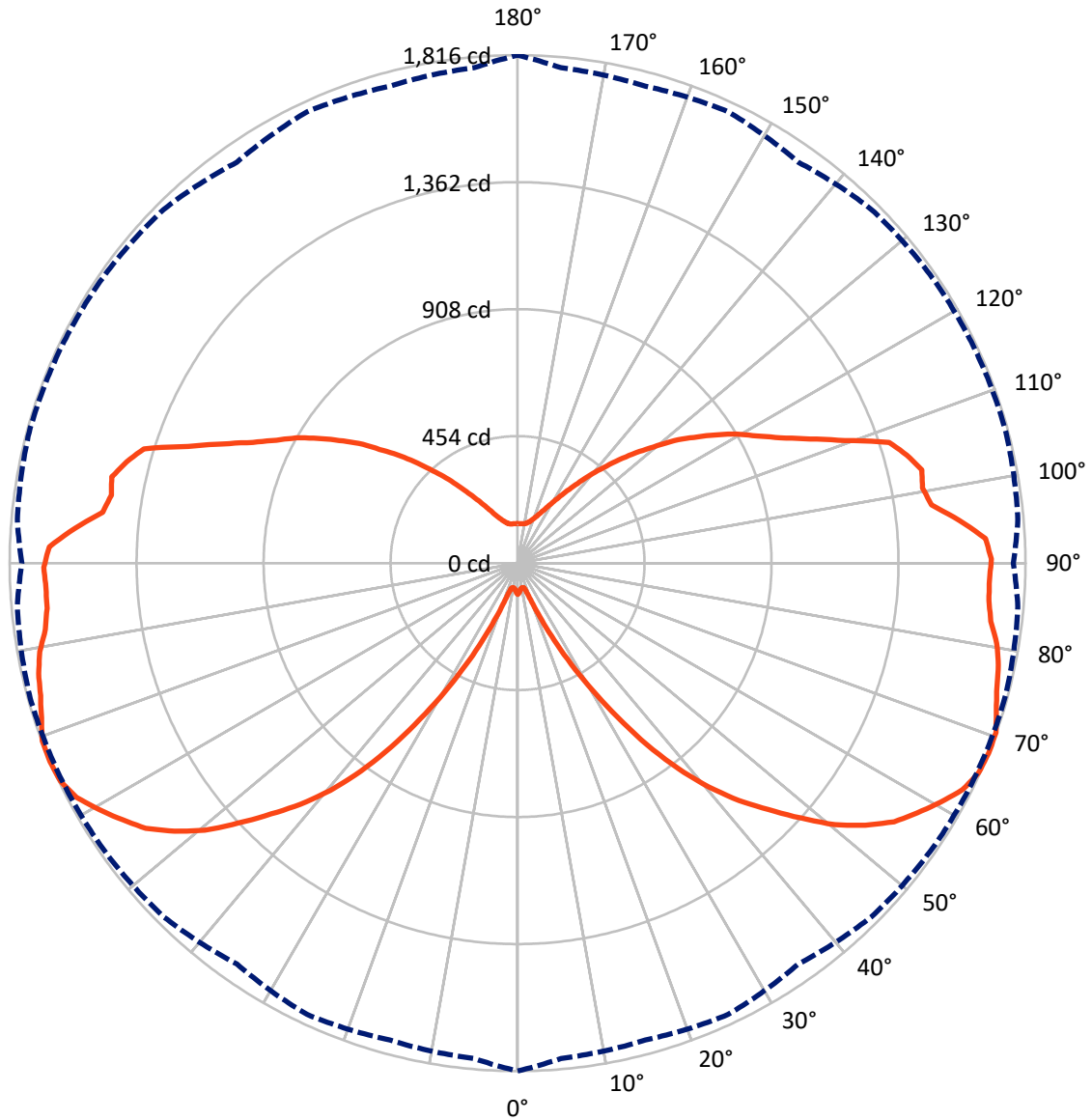
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 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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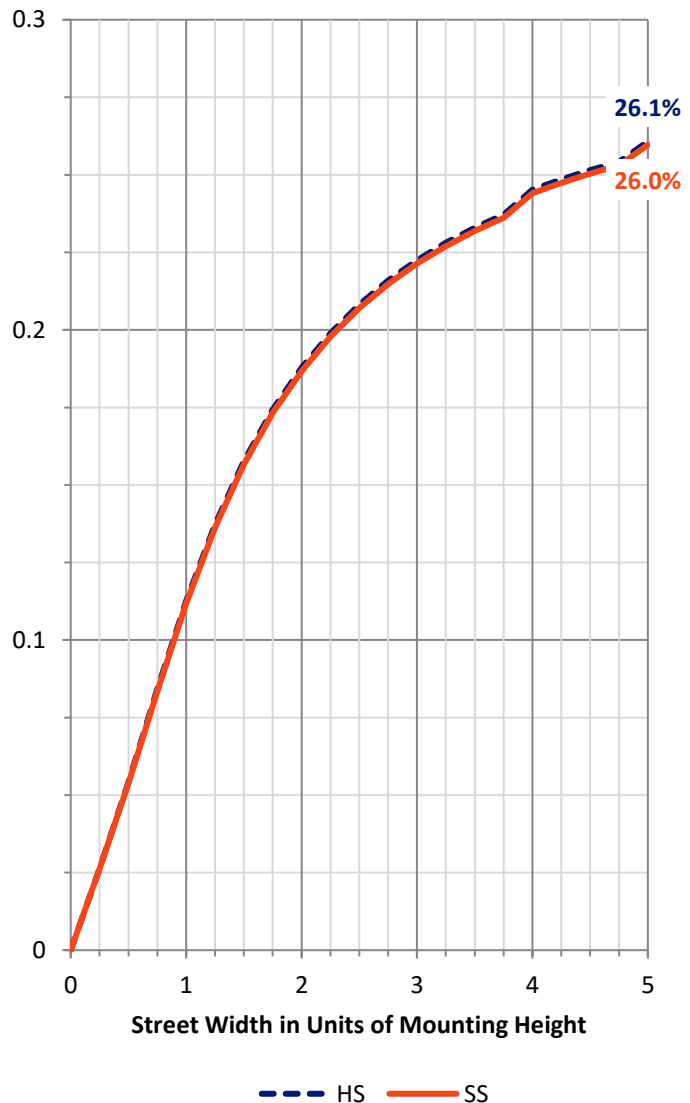
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4289.7	2900.0	7189.8
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	4289.7	2900.0	7189.8
	% Fixture	29.8	20.2	50.0
Total	Lumens	8579.5	5800.1	14379.6
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	30.7	0.2
20°-30°	153.6	1.1
30°-40°	504.6	3.5
40°-50°	975.9	6.8
50°-60°	1444.1	10.0
60°-70°	1755.7	12.2
70°-80°	1853.5	12.9
80°-90°	1852.1	12.9
90°-100°	1732.6	12.0
100°-110°	1541.3	10.7
110°-120°	1054.3	7.3
120°-130°	708.1	4.9
130°-140°	411.2	2.9
140°-150°	202.5	1.4
150°-160°	93.5	0.7
160°-170°	43.2	0.3
170°-180°	13.5	0.1
0°-90°	8579.5	59.7
0°-180°	14379.6	100.0

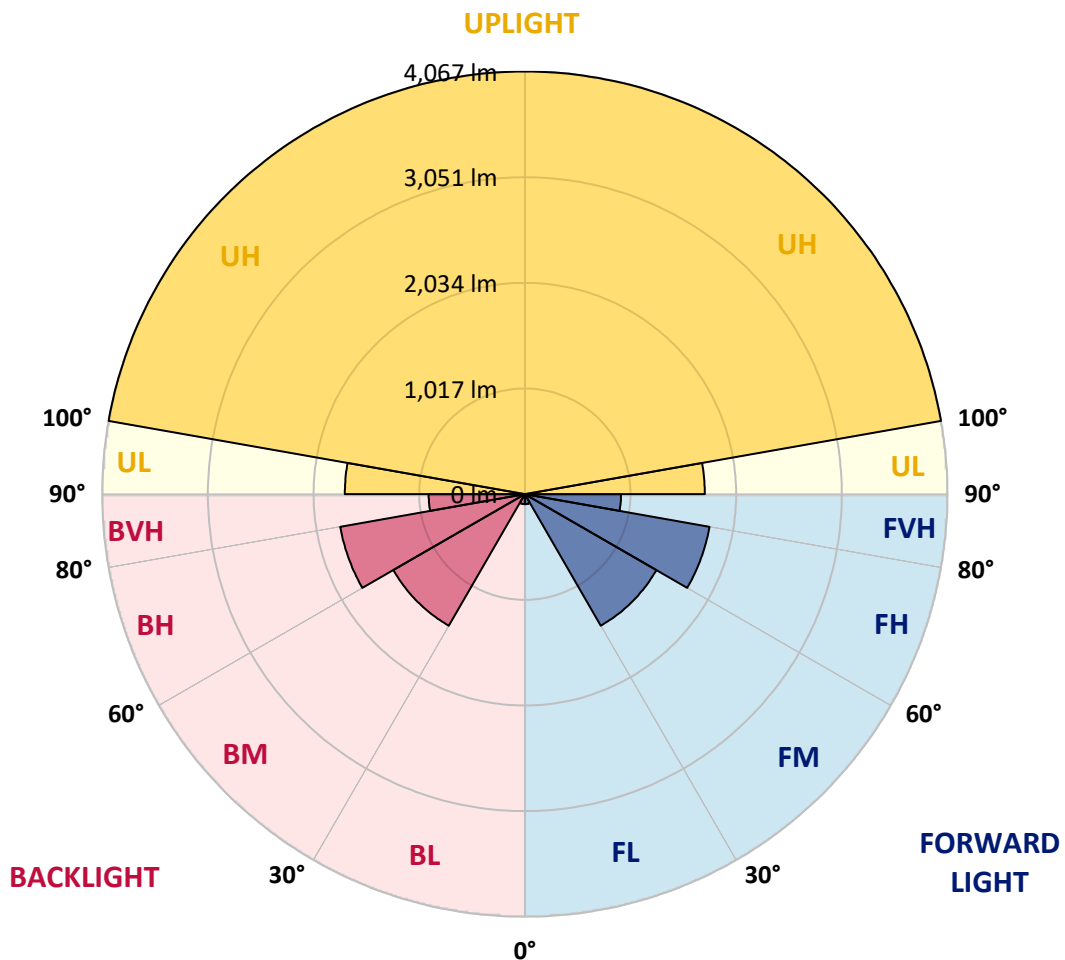


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.8	0.7			
FM (30°-60°)	1462.3	10.2			
FH (60°-80°)	1804.6	12.5			G2/5000
FVH (80°-90°)	926.0	6.4			G5
BL (0°-30°)	96.8	0.7	B0/110		
BM (30°-60°)	1462.3	10.2	B2/2500		
BH (60°-80°)	1804.6	12.5	B3/2500		G2/5000
BVH (80°-90°)	926.0	6.4			G5
UL (90°-100°)	1732.6	12.0		U5	
UH (100°-180°)	4067.5	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°	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6
2.5°	107.0	106.1	105.2	104.3	105.2	106.1	107.9	108.8	108.8	108.8	108.8
5°	97.1	98.0	98.9	99.8	99.8	99.8	99.8	100.7	101.6	101.6	101.6
7.5°	91.6	91.6	92.5	95.2	96.1	95.2	95.2	96.1	93.4	90.7	89.8
10°	88.9	88.9	89.8	90.7	91.6	93.4	94.3	94.3	94.3	94.3	93.4
12.5°	89.8	88.9	89.8	90.7	92.5	93.4	91.6	91.6	93.4	95.2	96.1
15°	94.3	93.4	93.4	95.2	96.1	96.1	94.3	94.3	95.2	97.1	97.1
17.5°	114.3	112.5	111.6	112.5	111.6	112.5	111.6	113.4	113.4	112.5	111.6
20°	156.0	154.2	151.5	150.6	151.5	154.2	155.1	157.8	155.1	154.2	150.6
22.5°	221.3	218.6	216.8	216.8	219.5	221.3	220.4	224.0	222.2	221.3	217.7
25°	304.8	303.0	303.9	308.4	312.9	310.2	303.0	308.4	308.4	307.5	306.6
27.5°	409.1	402.7	405.5	417.2	420.9	413.6	405.5	411.8	414.5	415.4	415.4
30°	527.9	523.4	522.5	535.2	539.7	533.3	527.9	535.2	535.2	537.9	537.9
32.5°	656.7	654.0	649.5	656.7	664.0	662.1	662.1	667.6	665.8	668.5	669.4
35°	798.2	792.8	783.7	784.6	792.8	793.7	800.0	803.7	801.8	800.9	800.9
37.5°	931.5	924.3	916.1	911.6	921.6	920.7	935.2	935.2	931.5	932.5	932.5
40°	1052.2	1047.6	1041.3	1028.6	1047.6	1044.0	1061.3	1061.3	1051.3	1054.0	1052.2
42.5°	1160.1	1160.1	1152.9	1133.8	1153.8	1150.1	1172.8	1172.8	1159.2	1158.3	1155.6
45°	1257.2	1261.7	1258.1	1240.9	1248.1	1250.8	1272.6	1268.1	1257.2	1257.2	1252.6
47.5°	1361.5	1366.0	1353.3	1335.2	1343.3	1347.9	1367.8	1366.0	1359.7	1351.5	1351.5
50°	1470.3	1471.2	1445.8	1424.1	1431.3	1454.9	1469.4	1473.1	1459.5	1440.4	1439.5
52.5°	1556.5	1561.9	1537.5	1513.9	1519.3	1546.5	1562.9	1563.8	1546.5	1519.3	1527.5
55°	1632.7	1638.1	1613.7	1592.8	1603.7	1618.2	1637.2	1626.3	1627.3	1598.2	1611.8
57.5°	1684.4	1702.5	1661.7	1657.2	1667.2	1684.4	1692.6	1689.8	1695.3	1668.1	1672.6
60°	1736.1	1744.3	1709.8	1716.1	1704.4	1735.2	1741.5	1747.9	1733.4	1714.3	1714.3
62.5°	1785.1	1765.1	1740.6	1756.1	1724.3	1763.3	1770.6	1777.8	1762.4	1744.3	1747.9
65°	1810.5	1774.2	1753.3	1772.4	1741.5	1776.9	1788.7	1791.4	1788.7	1771.5	1763.3
67.5°	1815.9	1777.8	1765.1	1780.5	1749.7	1788.7	1799.6	1805.0	1807.8	1795.1	1772.4
70°	1814.1	1773.3	1762.4	1776.9	1757.0	1793.2	1794.2	1802.3	1805.9	1811.4	1786.0
72.5°	1789.6	1754.2	1751.5	1764.2	1746.1	1769.7	1770.6	1780.5	1775.1	1792.3	1779.6
75°	1769.7	1746.1	1750.6	1747.9	1729.8	1743.4	1747.0	1758.8	1738.8	1755.2	1766.0
77.5°	1757.0	1744.3	1755.2	1740.6	1721.6	1730.7	1736.1	1749.7	1719.8	1733.4	1765.1
80°	1737.0	1733.4	1747.0	1725.2	1708.9	1717.1	1726.1	1737.9	1705.3	1714.3	1759.7
82.5°	1704.4	1707.1	1719.8	1694.4	1683.5	1692.6	1703.4	1721.6	1688.0	1693.5	1741.5
85°	1689.8	1701.6	1708.0	1682.6	1669.9	1675.3	1687.1	1706.2	1670.8	1679.0	1727.9
87.5°	1688.0	1702.5	1707.1	1685.3	1674.4	1682.6	1688.0	1715.2	1677.1	1687.1	1737.0
90°	1693.5	1698.9	1701.6	1682.6	1673.5	1686.2	1687.1	1720.7	1682.6	1685.3	1729.8
92.5°	1675.3	1676.2	1681.7	1664.4	1663.5	1672.6	1670.8	1698.9	1657.2	1650.8	1688.9
95°	1587.3	1580.1	1591.9	1582.8	1601.9	1615.5	1630.9	1666.3	1645.4	1650.8	1683.5
97.5°	1493.9	1495.7	1499.4	1484.8	1482.1	1487.6	1493.9	1512.1	1505.7	1511.2	1542.0
100°	1472.1	1478.5	1477.6	1470.3	1440.4	1434.1	1420.4	1401.4	1376.0	1379.6	1384.2
102.5°	1483.0	1500.3	1503.0	1513.0	1513.0	1508.4	1518.4	1510.2	1514.8	1541.1	1526.6
105°	1444.0	1464.0	1476.7	1487.6	1508.4	1525.7	1571.9	1600.0	1622.7	1654.5	1649.9
107.5°	1396.9	1406.8	1415.9	1415.9	1410.5	1407.7	1433.1	1437.7	1431.3	1439.5	1440.4
110°	1249.9	1249.0	1258.1	1254.5	1257.2	1242.7	1249.9	1274.4	1269.0	1285.3	1288.0



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 CATALOG NUMBER: FFX-CLB-90-730-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1135.6	1135.6	1142.0	1132.9	1133.8	1122.0	1126.6	1142.9	1143.8	1157.4	1164.7
115°	1039.5	1037.7	1046.7	1039.5	1031.3	1028.6	1033.1	1043.1	1045.8	1054.9	1069.4
117.5°	967.8	958.8	966.0	966.9	970.5	963.3	974.2	980.5	984.2	991.4	1003.2
120°	908.9	899.8	902.5	911.6	922.5	907.1	918.8	924.3	927.0	929.7	935.2
122.5°	841.7	835.4	832.7	850.8	857.2	843.6	849.9	858.1	862.6	867.1	871.7
125°	773.7	768.3	765.6	781.9	788.2	777.3	786.4	798.2	796.4	806.4	797.3
127.5°	712.0	710.2	706.6	714.8	719.3	718.4	726.6	741.1	734.7	743.8	733.8
130°	638.6	645.8	640.4	650.4	651.3	658.5	661.2	674.8	668.5	670.3	664.0
132.5°	578.7	581.4	578.7	582.3	585.1	585.1	592.3	606.8	596.8	595.9	590.5
135°	517.9	518.8	515.2	520.6	522.5	517.9	525.2	536.1	530.6	527.9	527.9
137.5°	458.1	457.2	458.1	459.9	461.7	460.8	464.4	472.6	470.8	467.1	471.7
140°	407.3	404.5	405.5	406.4	405.5	405.5	409.1	416.3	416.3	411.8	416.3
142.5°	356.5	355.6	355.6	355.6	355.6	357.4	361.0	362.8	364.6	361.0	360.1
145°	313.8	312.9	312.0	312.0	312.0	312.9	316.6	315.7	319.3	315.7	312.9
147.5°	275.7	276.7	274.8	273.9	273.0	275.7	276.7	278.5	280.3	278.5	275.7
150°	244.9	244.0	244.0	242.2	242.2	244.9	244.0	245.8	247.6	246.7	245.8
152.5°	217.7	217.7	217.7	215.9	216.8	218.6	218.6	218.6	220.4	220.4	219.5
155°	195.9	195.9	195.9	195.0	195.0	196.8	196.8	196.8	197.7	197.7	197.7
157.5°	179.6	179.6	178.7	178.7	178.7	179.6	178.7	178.7	179.6	179.6	179.6
160°	166.9	166.9	166.0	166.0	165.1	166.0	165.1	165.1	166.0	166.0	166.0
162.5°	156.9	156.9	156.0	156.0	156.0	156.0	156.0	155.1	155.1	156.0	155.1
165°	149.7	149.7	149.7	149.7	149.7	149.7	149.7	148.8	148.8	148.8	148.8
167.5°	145.1	145.1	145.1	145.1	145.1	145.1	145.1	145.1	145.1	145.1	145.1
170°	142.4	142.4	142.4	143.3	143.3	143.3	142.4	142.4	143.3	143.3	142.4
172.5°	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5
175°	141.5	141.5	141.5	141.5	141.5	141.5	140.6	141.5	141.5	141.5	141.5
177.5°	141.5	140.6	140.6	141.5	141.5	140.6	140.6	140.6	140.6	140.6	140.6
180°	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5

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: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

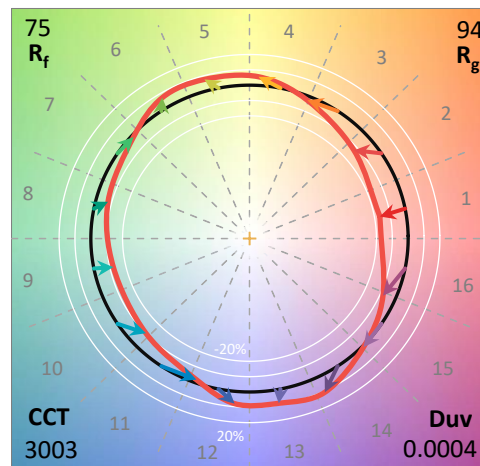
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-4
 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-100-730-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3003
 CIE u': 0.2503
 CIE v': 0.5219
 Duv: 0.0004
 CIE x: 0.4373
 CIE y: 0.4053
 CIE z: 0.1573
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 52.93545
 Rf: 75.2
 Rg: 93.8

CRI (Ra):	71.9		
R1:	68.2	R9:	-33.7
R2:	82.2	R10:	59.0
R3:	93.9	R11:	62.4
R4:	67.6	R12:	48.5
R5:	67.2	R13:	70.8
R6:	75.3	R14:	96.6
R7:	77.6	R15:	60.0
R8:	43.1		



Test Conditions

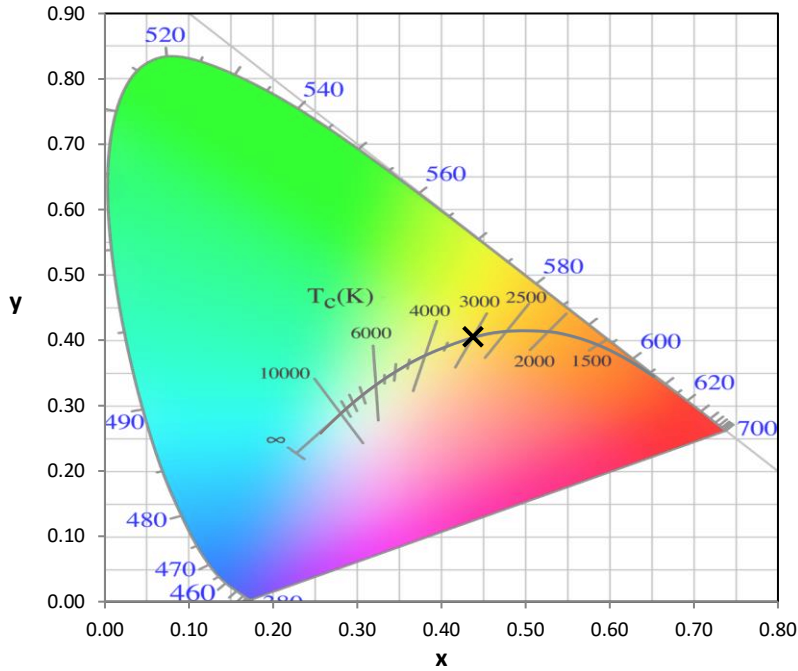
Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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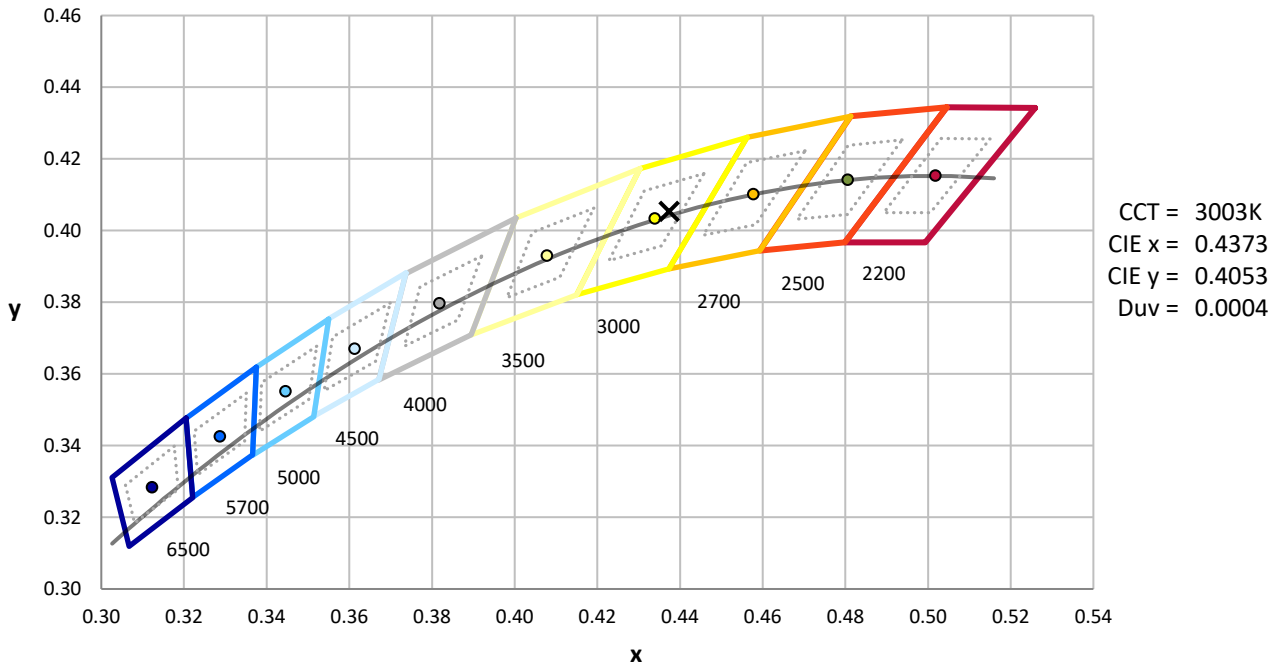
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



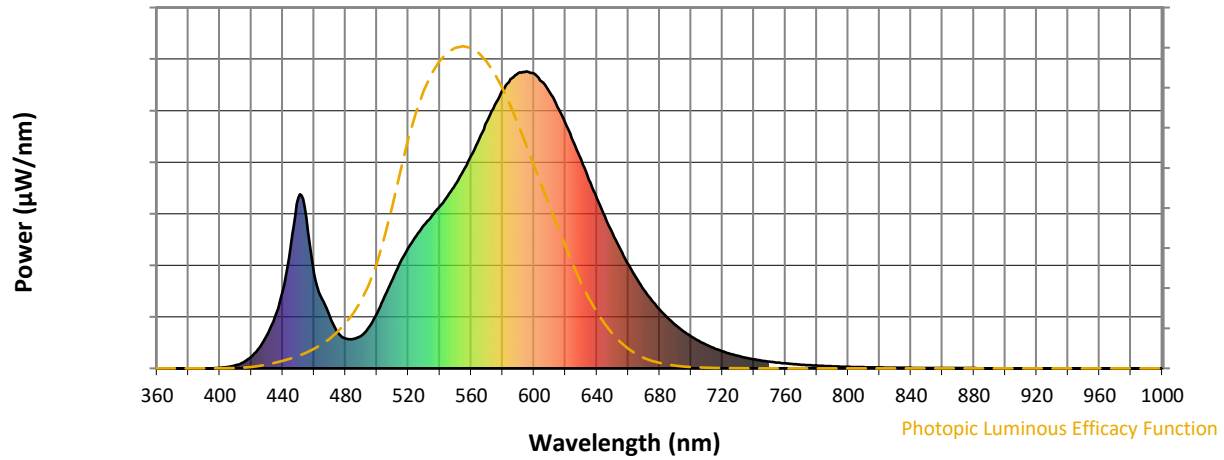
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

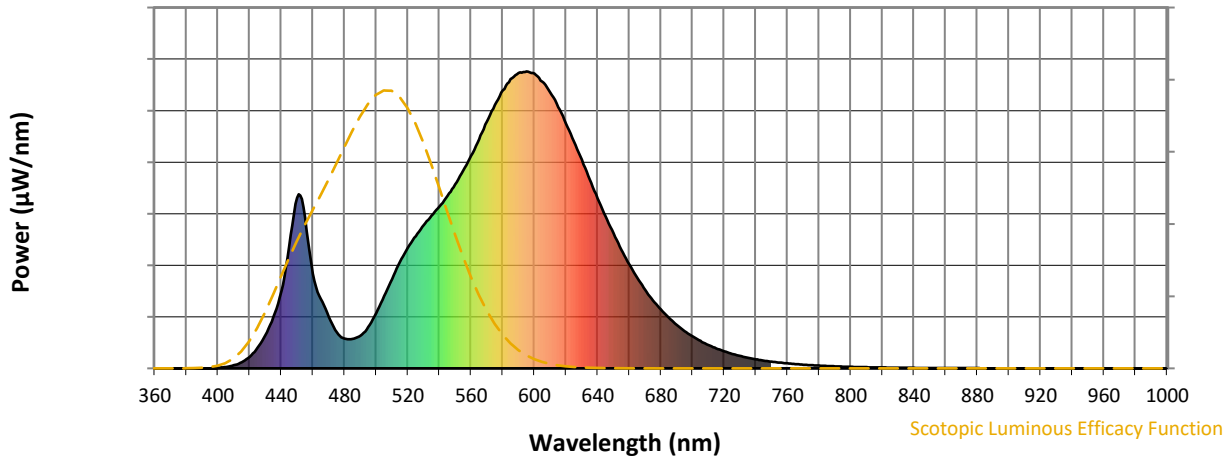


Photopic Lumens: NR

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



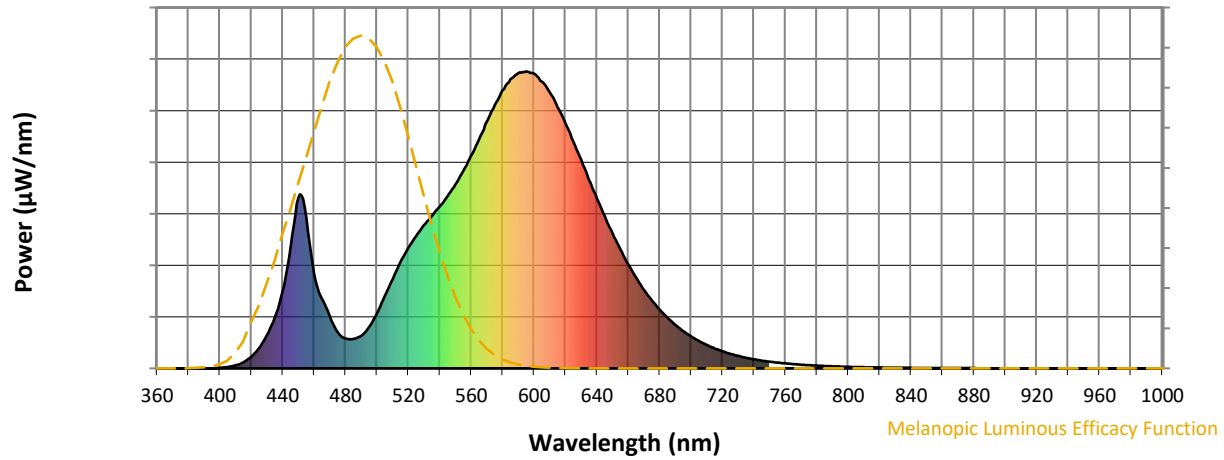
Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

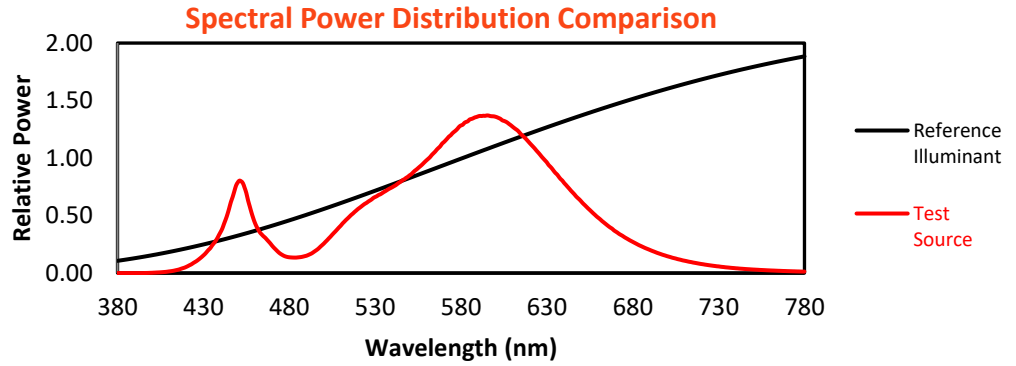
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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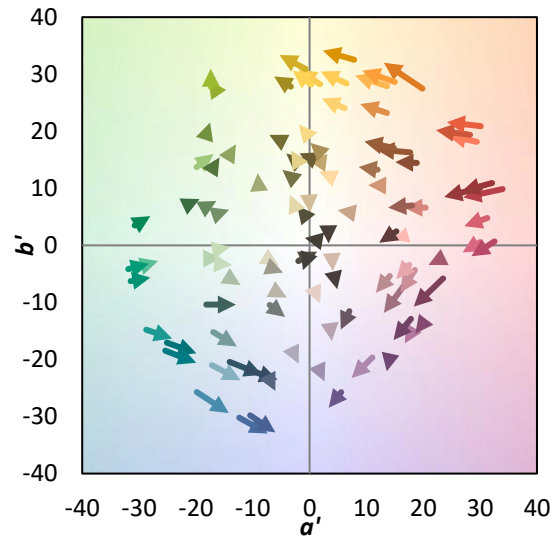
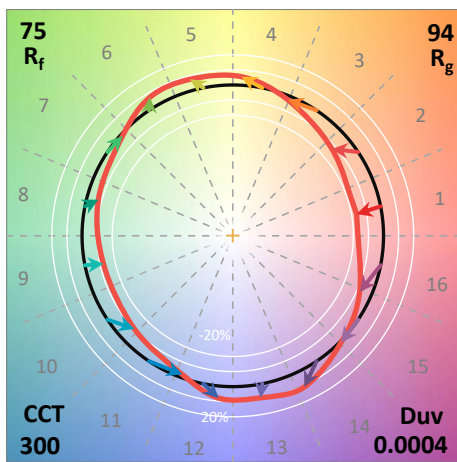
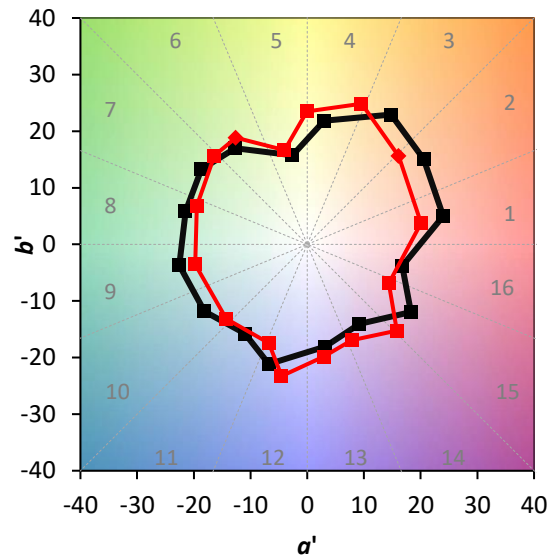
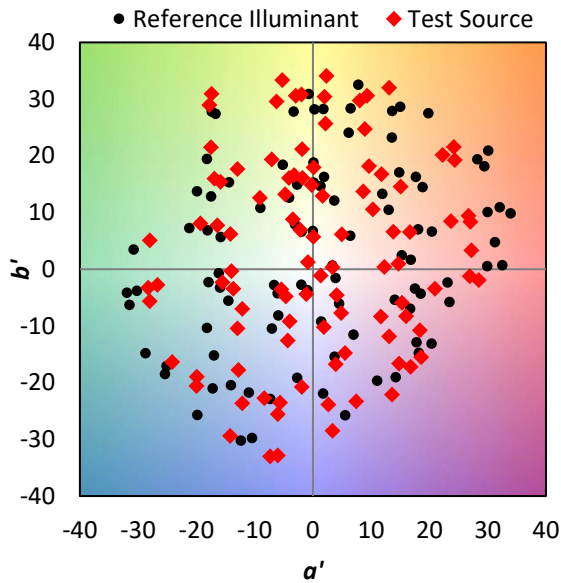
TM-30-18

Summary

$R_f = 75.2$
 $R_g = 93.8$
 CIE $R_a = 71.9$
 $R_9 = -33.7$



Color Vector Graphics

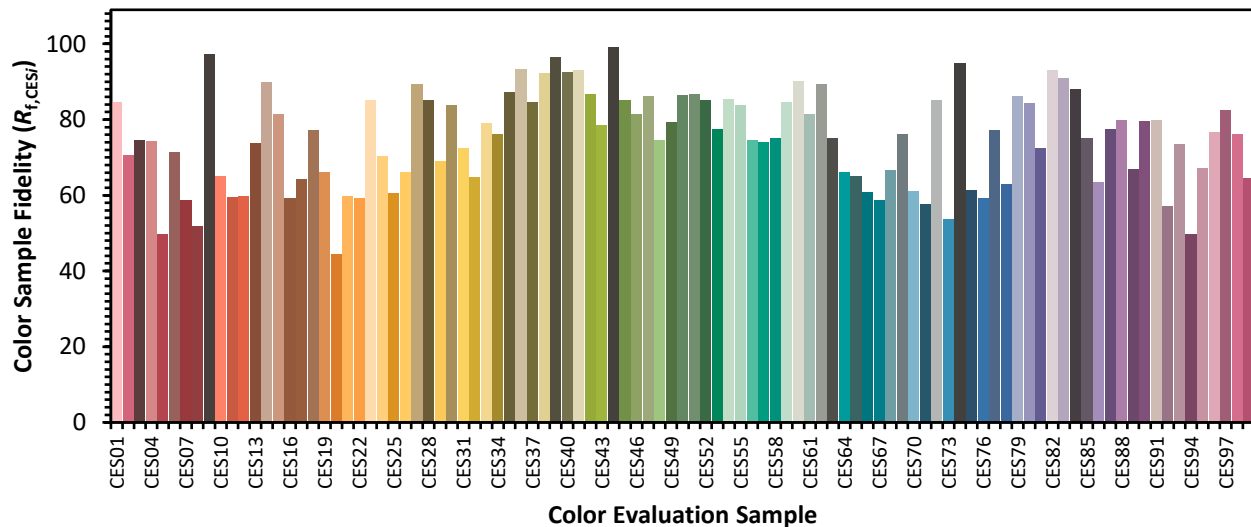


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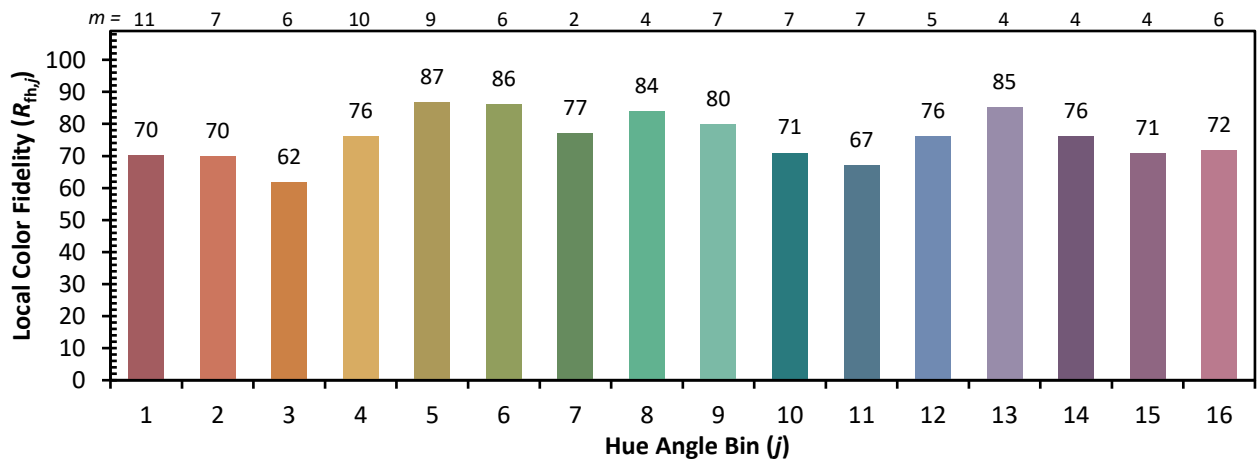
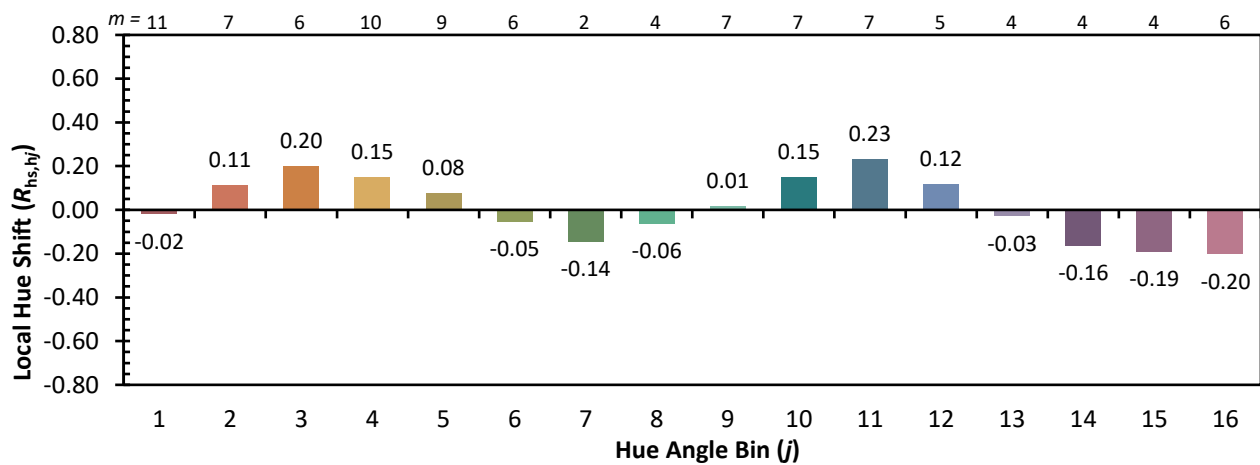
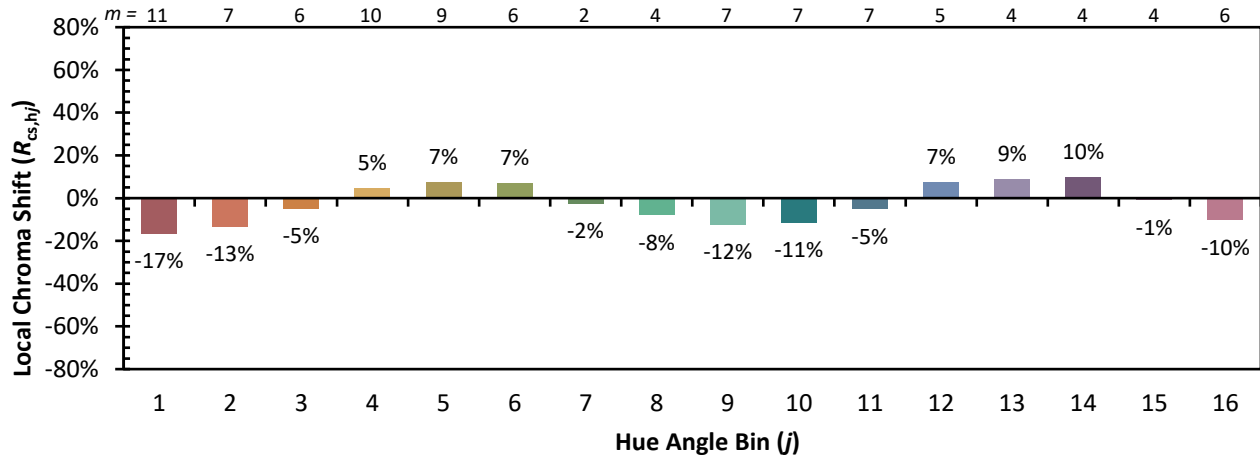
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
CES25 = 73	CES50 = 86	CES75 = 61	



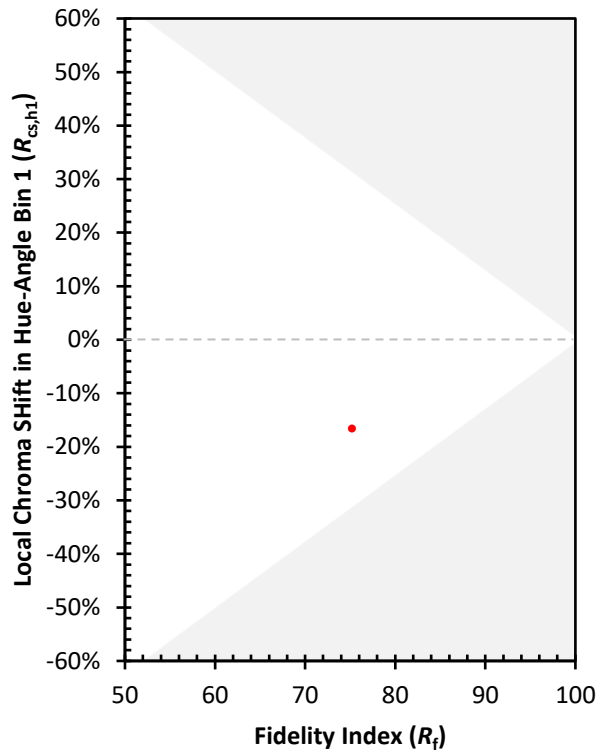
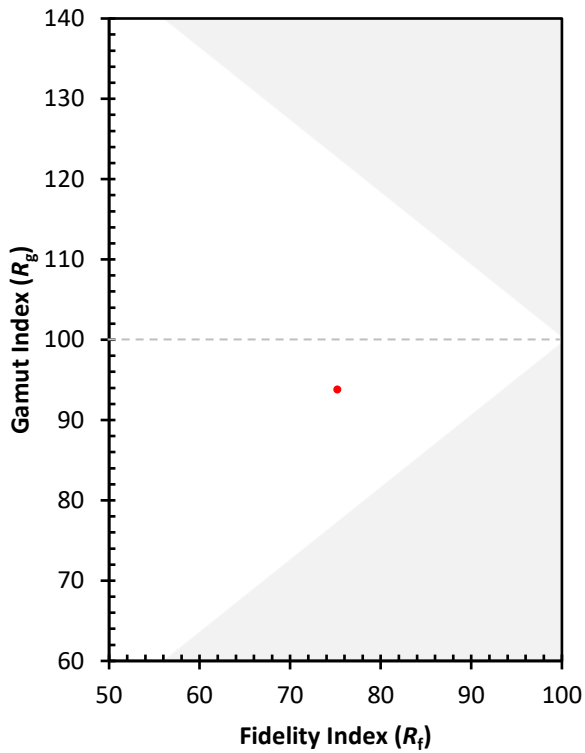
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)