

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: P856265

Luminaire Tested: **FFX-CLB-80-740-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856265
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-80-740-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

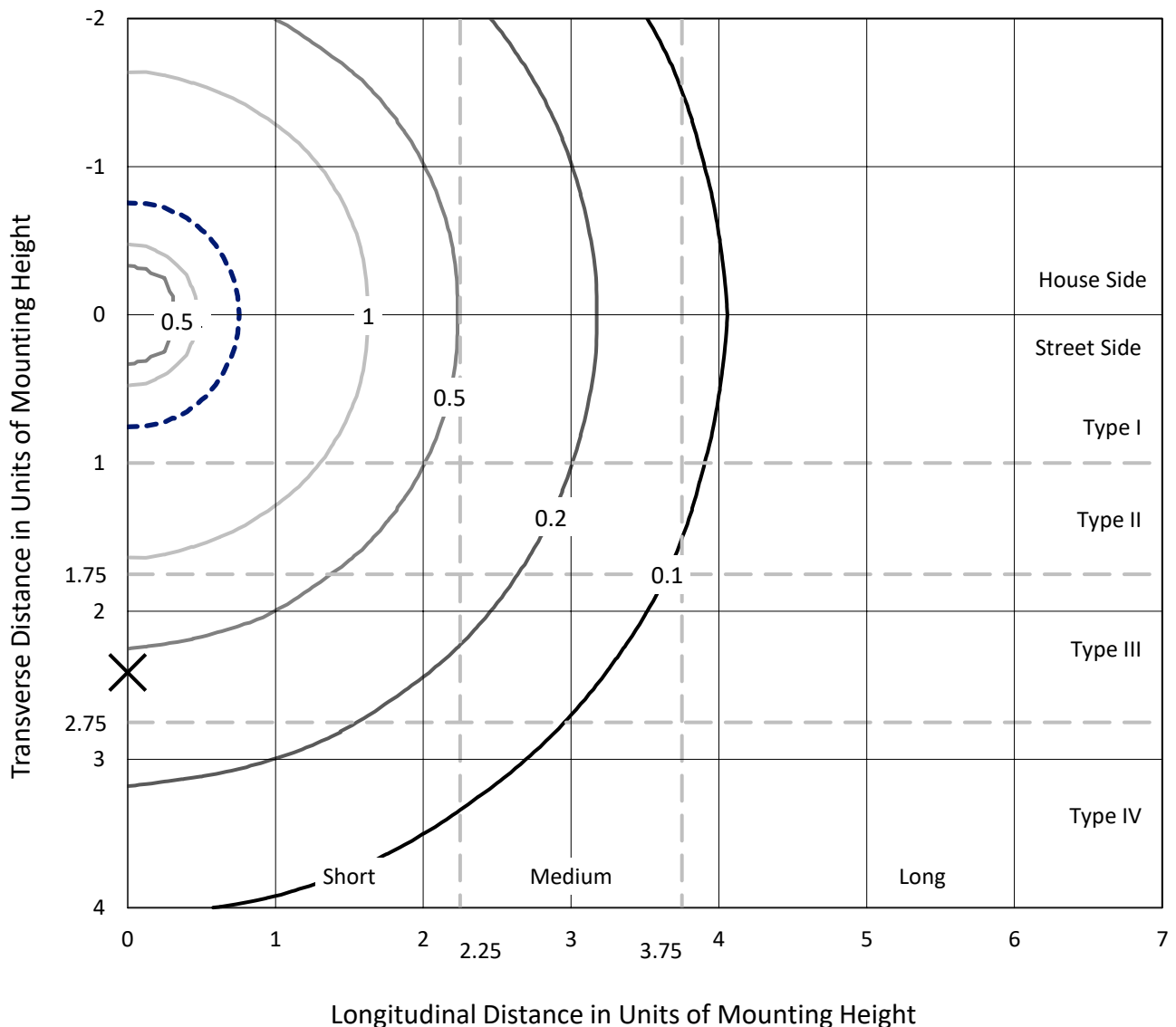
Lumens per Lamp: N/A
Luminaire Lumens: 13365.1 lumens
Efficiency: N/A
Efficacy: 165.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.1%%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P856265
 CATALOG NUMBER: FFX-CLB-80-740-U-PG

Iso-Footcandle Lines of Horizontal Illumination

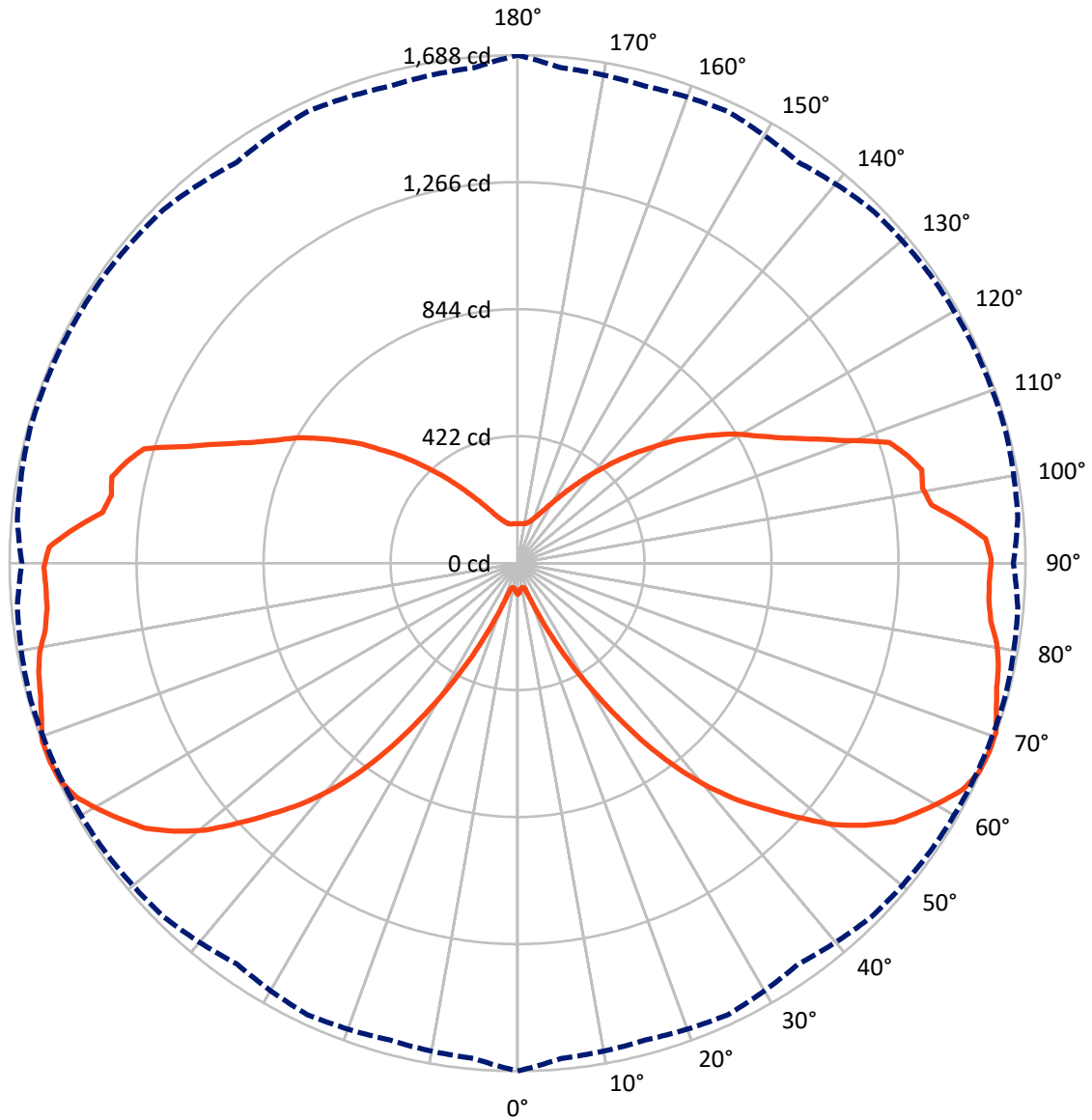
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

REPORT NUMBER: P856265
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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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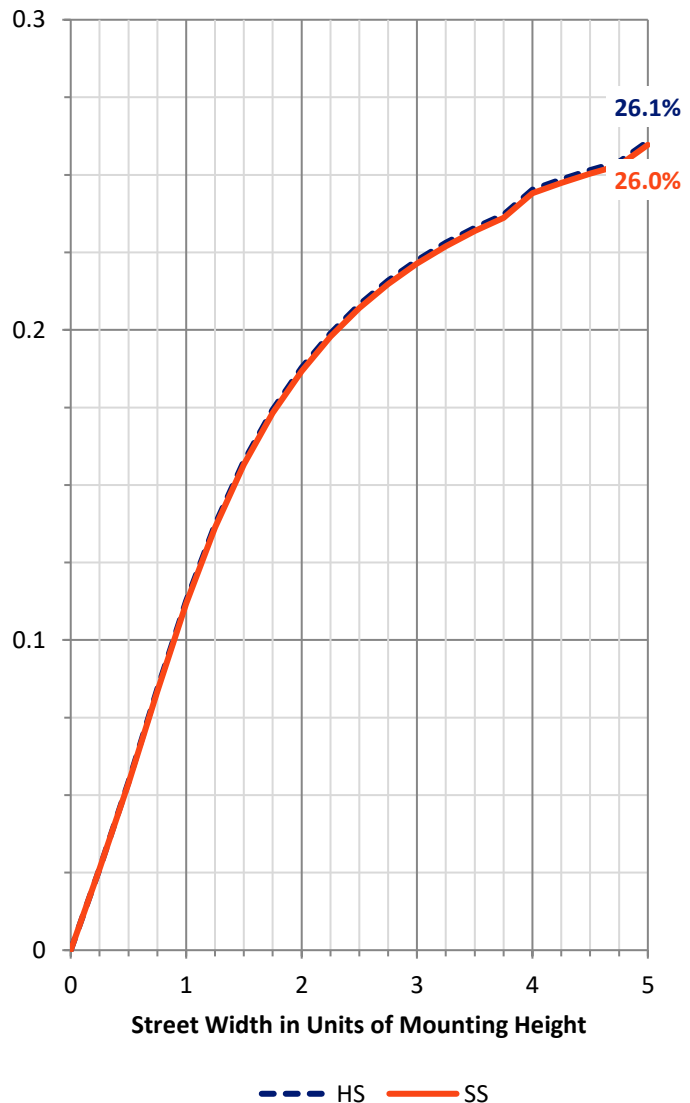
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3987.1	2695.4	6682.5
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	3987.1	2695.4	6682.5
	% Fixture	29.8	20.2	50.0
Total	Lumens	7974.2	5390.9	13365.1
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.1
10°-20°	28.5	0.2
20°-30°	142.7	1.1
30°-40°	469.0	3.5
40°-50°	907.1	6.8
50°-60°	1342.2	10.0
60°-70°	1631.8	12.2
70°-80°	1722.8	12.9
80°-90°	1721.4	12.9
90°-100°	1610.3	12.0
100°-110°	1432.6	10.7
110°-120°	979.9	7.3
120°-130°	658.1	4.9
130°-140°	382.2	2.9
140°-150°	188.2	1.4
150°-160°	86.9	0.7
160°-170°	40.1	0.3
170°-180°	12.6	0.1
0°-90°	7974.2	59.7
0°-180°	13365.1	100.0



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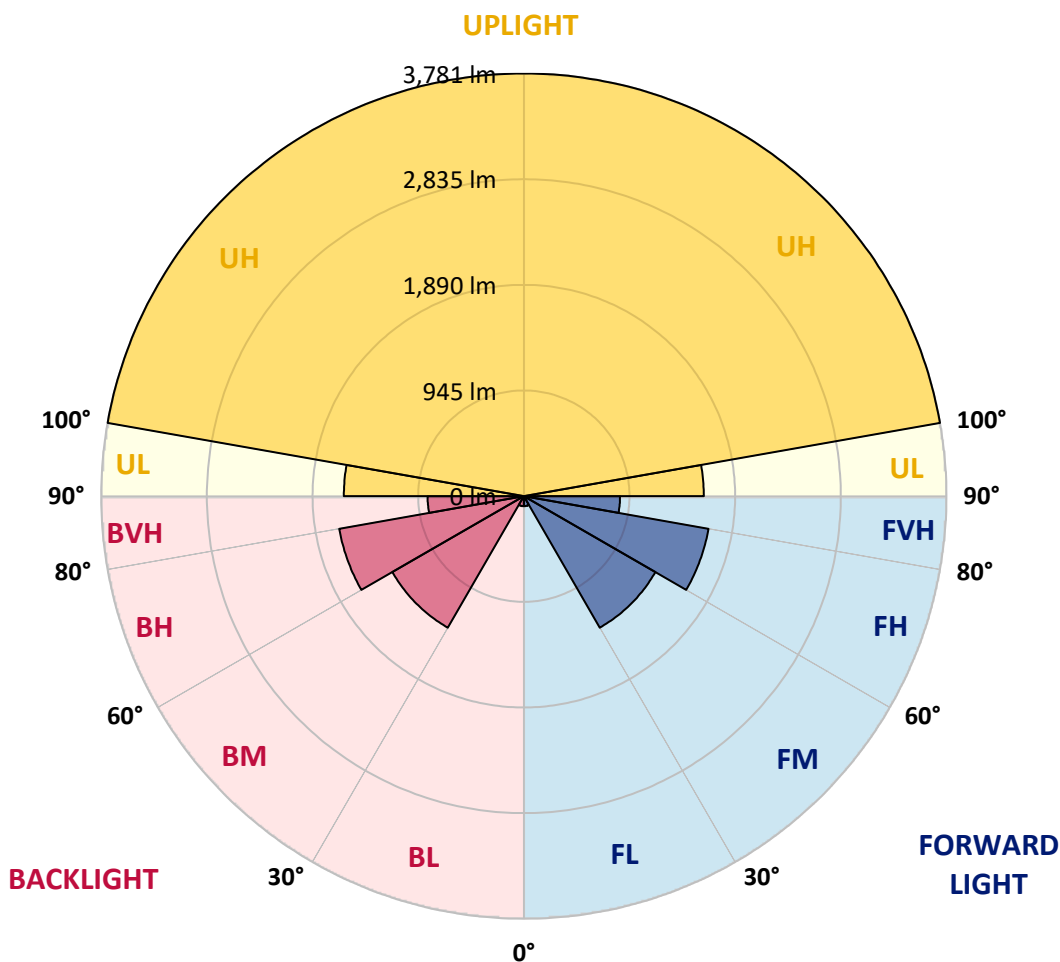
CATALOG NUMBER: FFX-CLB-80-740-U-PG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.9	0.7			
FM (30°-60°)	1359.1	10.2			
FH (60°-80°)	1677.3	12.5			G1/1800
FVH (80°-90°)	860.7	6.4			G5
BL (0°-30°)	89.9	0.7	B0/110		
BM (30°-60°)	1359.1	10.2	B2/2500		
BH (60°-80°)	1677.3	12.5	B3/2500		G1/1800
BVH (80°-90°)	860.7	6.4			G5
UL (90°-100°)	1610.3	12.0		U5	
UH (100°-180°)	3780.5	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°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
2.5°	99.5	98.6	97.8	97.0	97.8	98.6	100.3	101.2	101.2	101.2	101.2
5°	90.2	91.1	91.9	92.7	92.7	92.7	92.7	93.6	94.4	94.4	94.4
7.5°	85.1	85.1	86.0	88.5	89.4	88.5	88.5	89.4	86.8	84.3	83.5
10°	82.6	82.6	83.5	84.3	85.1	86.8	87.7	87.7	87.7	87.7	86.8
12.5°	83.5	82.6	83.5	84.3	86.0	86.8	85.1	85.1	86.8	88.5	89.4
15°	87.7	86.8	86.8	88.5	89.4	89.4	87.7	87.7	88.5	90.2	90.2
17.5°	106.2	104.5	103.7	104.5	103.7	104.5	103.7	105.4	105.4	104.5	103.7
20°	145.0	143.3	140.8	139.9	140.8	143.3	144.2	146.7	144.2	143.3	139.9
22.5°	205.7	203.2	201.5	201.5	204.0	205.7	204.9	208.2	206.6	205.7	202.3
25°	283.3	281.6	282.4	286.6	290.9	288.3	281.6	286.6	286.6	285.8	285.0
27.5°	380.2	374.3	376.8	387.8	391.2	384.4	376.8	382.8	385.3	386.1	386.1
30°	490.7	486.4	485.6	497.4	501.6	495.7	490.7	497.4	497.4	499.9	499.9
32.5°	610.4	607.8	603.6	610.4	617.1	615.4	615.4	620.5	618.8	621.3	622.2
35°	741.9	736.8	728.4	729.2	736.8	737.7	743.6	747.0	745.3	744.4	744.4
37.5°	865.8	859.1	851.5	847.3	856.6	855.7	869.2	869.2	865.8	866.7	866.7
40°	978.0	973.7	967.8	956.0	973.7	970.4	986.4	986.4	977.1	979.6	978.0
42.5°	1078.3	1078.3	1071.5	1053.8	1072.4	1069.0	1090.1	1090.1	1077.4	1076.6	1074.1
45°	1168.5	1172.7	1169.3	1153.3	1160.1	1162.6	1182.8	1178.6	1168.5	1168.5	1164.3
47.5°	1265.4	1269.7	1257.8	1241.0	1248.6	1252.8	1271.3	1269.7	1263.8	1256.2	1256.2
50°	1366.6	1367.4	1343.8	1323.6	1330.4	1352.3	1365.8	1369.1	1356.5	1338.8	1337.9
52.5°	1446.7	1451.8	1429.0	1407.1	1412.1	1437.4	1452.6	1453.4	1437.4	1412.1	1419.7
55°	1517.5	1522.6	1499.8	1480.4	1490.5	1504.0	1521.7	1511.6	1512.5	1485.5	1498.1
57.5°	1565.6	1582.4	1544.5	1540.3	1549.5	1565.6	1573.2	1570.6	1575.7	1550.4	1554.6
60°	1613.6	1621.2	1589.2	1595.1	1584.1	1612.8	1618.7	1624.6	1611.1	1593.4	1593.4
62.5°	1659.1	1640.6	1617.8	1632.2	1602.7	1638.9	1645.7	1652.4	1638.1	1621.2	1624.6
65°	1682.8	1649.0	1629.6	1647.3	1618.7	1651.6	1662.5	1665.0	1662.5	1646.5	1638.9
67.5°	1687.8	1652.4	1640.6	1654.9	1626.3	1662.5	1672.6	1677.7	1680.2	1668.4	1647.3
70°	1686.1	1648.2	1638.1	1651.6	1633.0	1666.7	1667.6	1675.2	1678.5	1683.6	1660.0
72.5°	1663.4	1630.5	1628.0	1639.8	1622.9	1644.8	1645.7	1654.9	1649.9	1665.9	1654.1
75°	1644.8	1622.9	1627.1	1624.6	1607.7	1620.4	1623.7	1634.7	1616.2	1631.3	1641.4
77.5°	1633.0	1621.2	1631.3	1617.8	1600.1	1608.6	1613.6	1626.3	1598.4	1611.1	1640.6
80°	1614.5	1611.1	1623.7	1603.5	1588.3	1595.9	1604.3	1615.3	1585.0	1593.4	1635.5
82.5°	1584.1	1586.6	1598.4	1574.8	1564.7	1573.2	1583.3	1600.1	1568.9	1574.0	1618.7
85°	1570.6	1581.6	1587.5	1563.9	1552.1	1557.1	1568.1	1585.8	1552.9	1560.5	1606.0
87.5°	1568.9	1582.4	1586.6	1566.4	1556.3	1563.9	1568.9	1594.2	1558.8	1568.1	1614.5
90°	1574.0	1579.1	1581.6	1563.9	1555.5	1567.3	1568.1	1599.3	1563.9	1566.4	1607.7
92.5°	1557.1	1558.0	1563.0	1547.0	1546.2	1554.6	1552.9	1579.1	1540.3	1534.4	1569.8
95°	1475.4	1468.6	1479.6	1471.1	1488.8	1501.5	1515.8	1548.7	1529.3	1534.4	1564.7
97.5°	1388.5	1390.2	1393.6	1380.1	1377.6	1382.6	1388.5	1405.4	1399.5	1404.5	1433.2
100°	1368.3	1374.2	1373.3	1366.6	1338.8	1332.9	1320.2	1302.5	1278.9	1282.3	1286.5
102.5°	1378.4	1394.4	1397.0	1406.2	1406.2	1402.0	1411.3	1403.7	1407.9	1432.4	1418.9
105°	1342.2	1360.7	1372.5	1382.6	1402.0	1418.0	1461.0	1487.2	1508.2	1537.7	1533.5
107.5°	1298.3	1307.6	1316.0	1316.0	1311.0	1308.4	1332.0	1336.3	1330.4	1337.9	1338.8
110°	1161.7	1160.9	1169.3	1166.0	1168.5	1155.0	1161.7	1184.5	1179.4	1194.6	1197.1



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 CATALOG NUMBER: FFX-CLB-80-740-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1055.5	1055.5	1061.4	1053.0	1053.8	1042.9	1047.1	1062.3	1063.1	1075.7	1082.5
115°	966.1	964.5	972.9	966.1	958.6	956.0	960.2	969.5	972.1	980.5	994.0
117.5°	899.5	891.1	897.9	898.7	902.1	895.3	905.4	911.4	914.7	921.5	932.4
120°	844.7	836.3	838.8	847.3	857.4	843.1	854.0	859.1	861.6	864.1	869.2
122.5°	782.4	776.5	773.9	790.8	796.7	784.0	789.9	797.5	801.8	806.0	810.2
125°	719.1	714.1	711.5	726.7	732.6	722.5	730.9	741.9	740.2	749.5	741.1
127.5°	661.8	660.1	656.7	664.3	668.5	667.7	675.3	688.8	682.9	691.3	682.0
130°	593.5	600.3	595.2	604.5	605.3	612.1	614.6	627.2	621.3	623.0	617.1
132.5°	537.9	540.4	537.9	541.2	543.8	543.8	550.5	564.0	554.7	553.9	548.8
135°	481.4	482.2	478.9	483.9	485.6	481.4	488.1	498.3	493.2	490.7	490.7
137.5°	425.7	424.9	425.7	427.4	429.1	428.3	431.6	439.2	437.5	434.2	438.4
140°	378.5	376.0	376.8	377.7	376.8	376.8	380.2	387.0	387.0	382.8	387.0
142.5°	331.3	330.5	330.5	330.5	330.5	332.2	335.5	337.2	338.9	335.5	334.7
145°	291.7	290.9	290.0	290.0	290.0	290.9	294.2	293.4	296.8	293.4	290.9
147.5°	256.3	257.1	255.4	254.6	253.8	256.3	257.1	258.8	260.5	258.8	256.3
150°	227.6	226.8	226.8	225.1	225.1	227.6	226.8	228.5	230.2	229.3	228.5
152.5°	202.3	202.3	202.3	200.6	201.5	203.2	203.2	203.2	204.9	204.9	204.0
155°	182.1	182.1	182.1	181.3	181.3	182.9	182.9	182.9	183.8	183.8	183.8
157.5°	166.9	166.9	166.1	166.1	166.1	166.9	166.1	166.1	166.9	166.9	166.9
160°	155.1	155.1	154.3	154.3	153.4	154.3	153.4	153.4	154.3	154.3	154.3
162.5°	145.8	145.8	145.0	145.0	145.0	145.0	145.0	144.2	144.2	145.0	144.2
165°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	138.3	138.3	138.3	138.3
167.5°	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9
170°	132.4	132.4	132.4	133.2	133.2	133.2	132.4	132.4	133.2	133.2	132.4
172.5°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
175°	131.5	131.5	131.5	131.5	131.5	131.5	130.7	131.5	131.5	131.5	131.5
177.5°	131.5	130.7	130.7	131.5	131.5	130.7	130.7	130.7	130.7	130.7	130.7
180°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5

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.

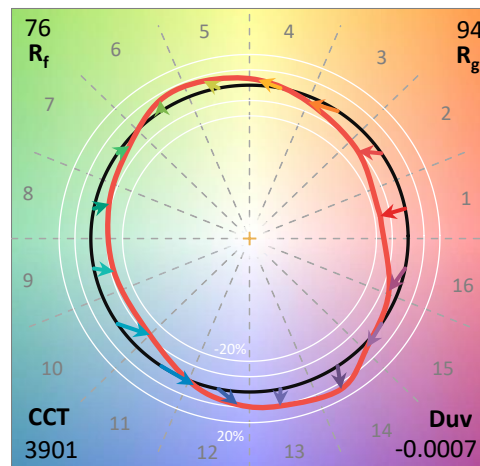
Test Information

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
 R_f: 76.2
 R_g: 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

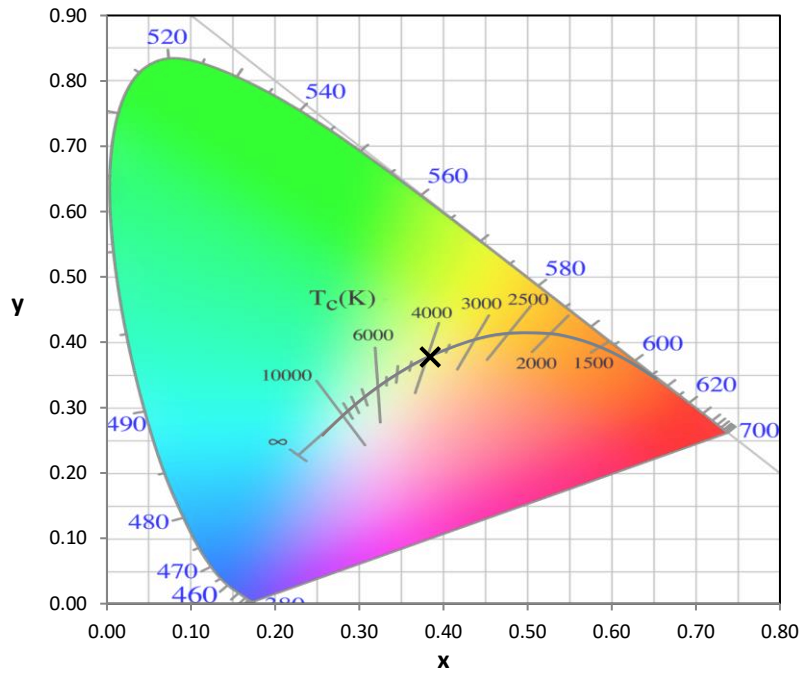
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

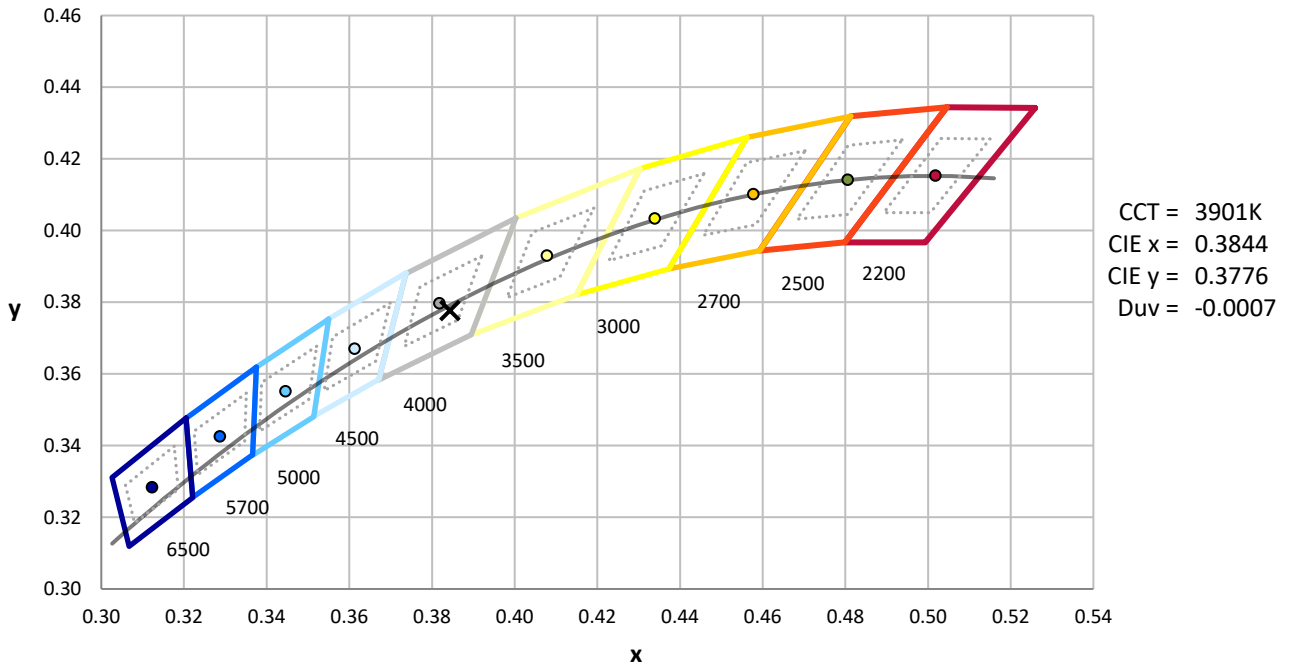
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



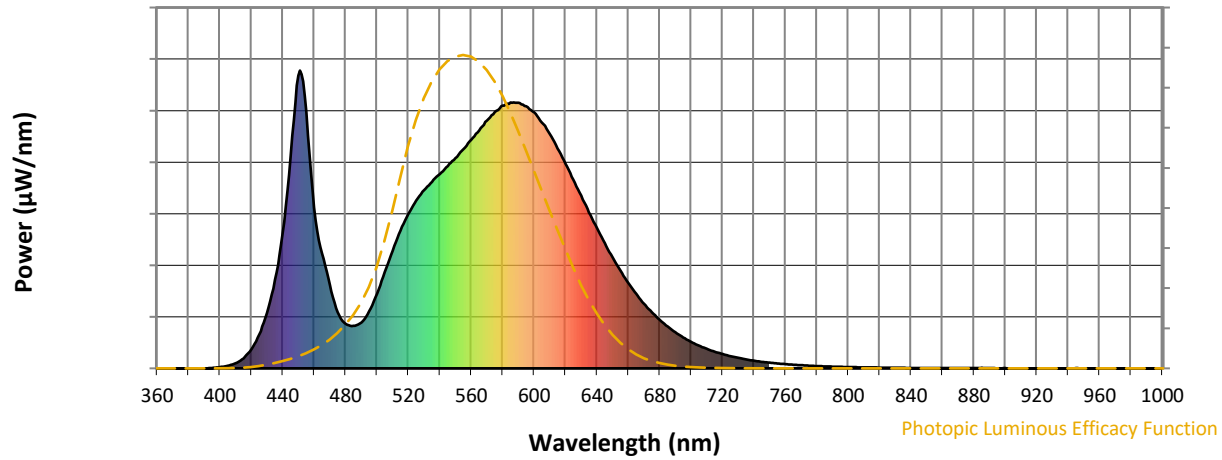
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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			

REPORT NUMBER: SP1-2406-133-1

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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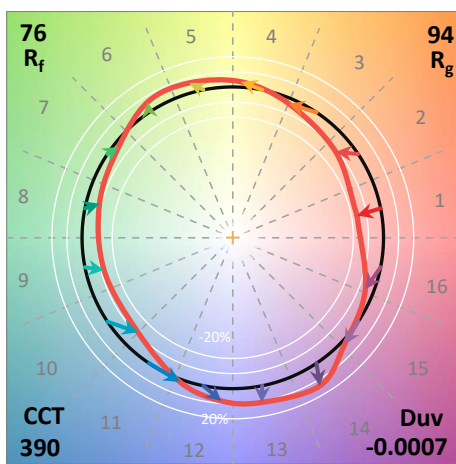
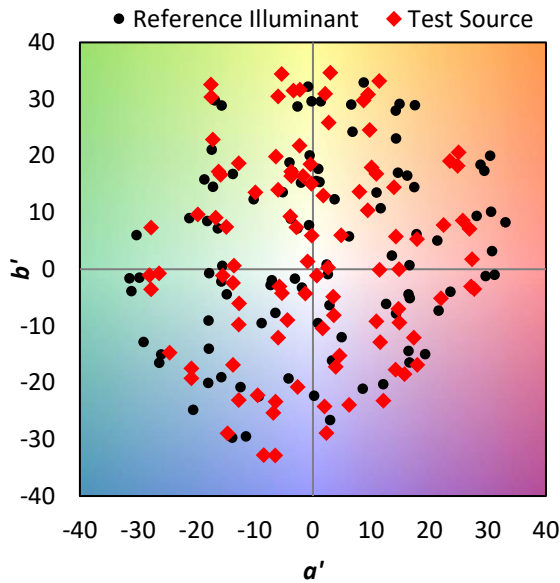
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Summary

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



Color Vector Graphics

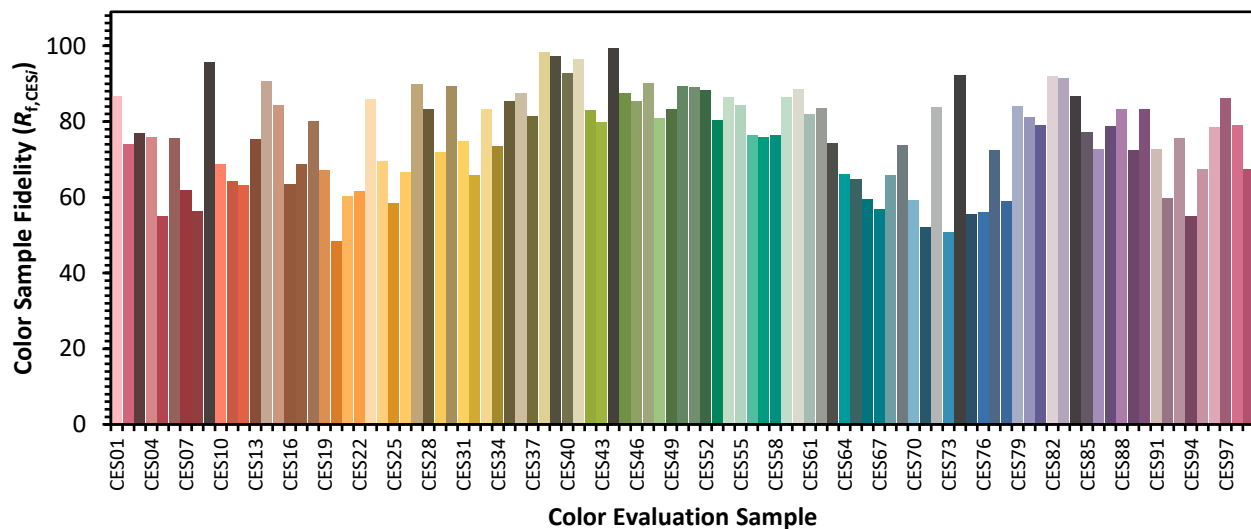


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Individual Sample Fidelity Index ($R_{f,i}$)

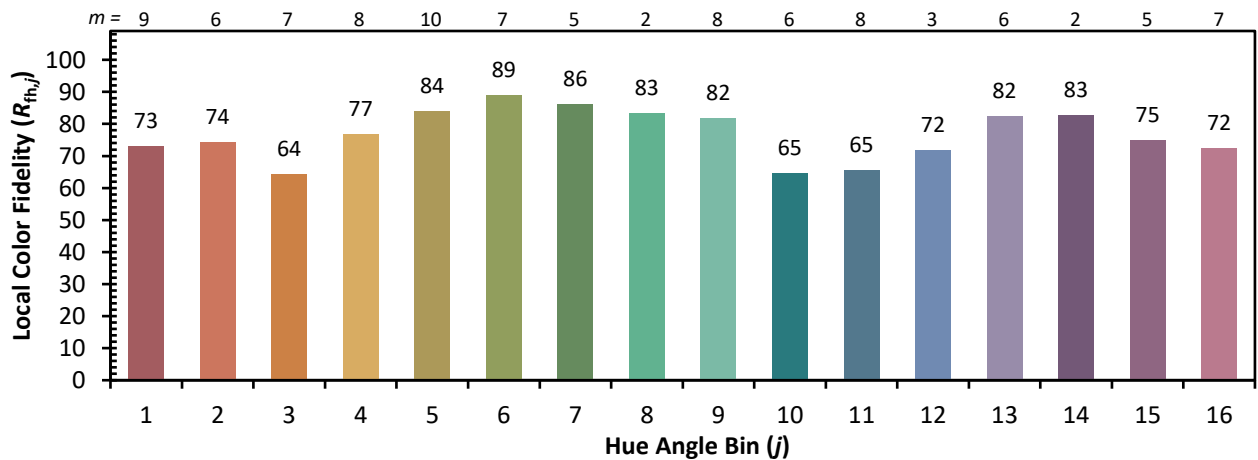
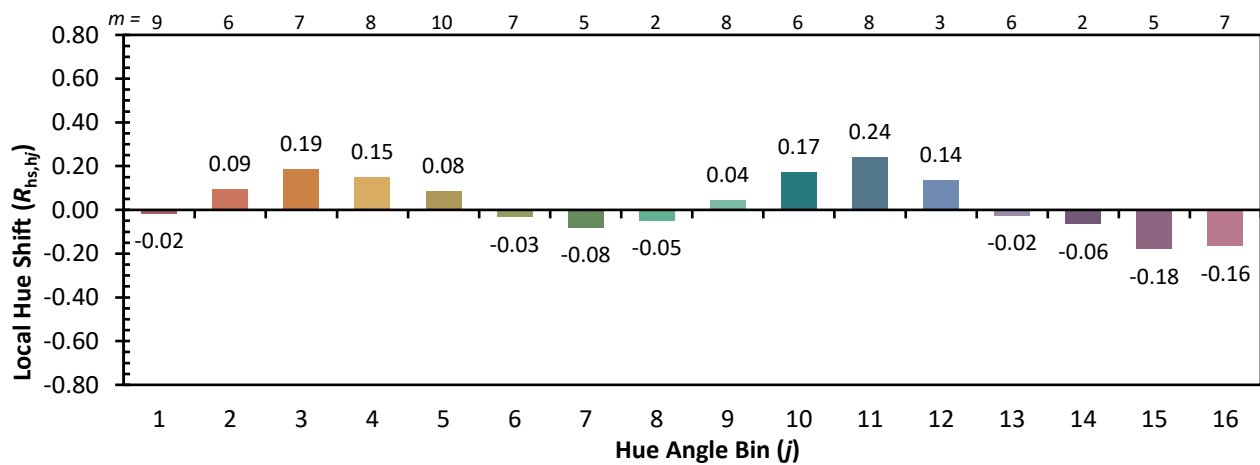
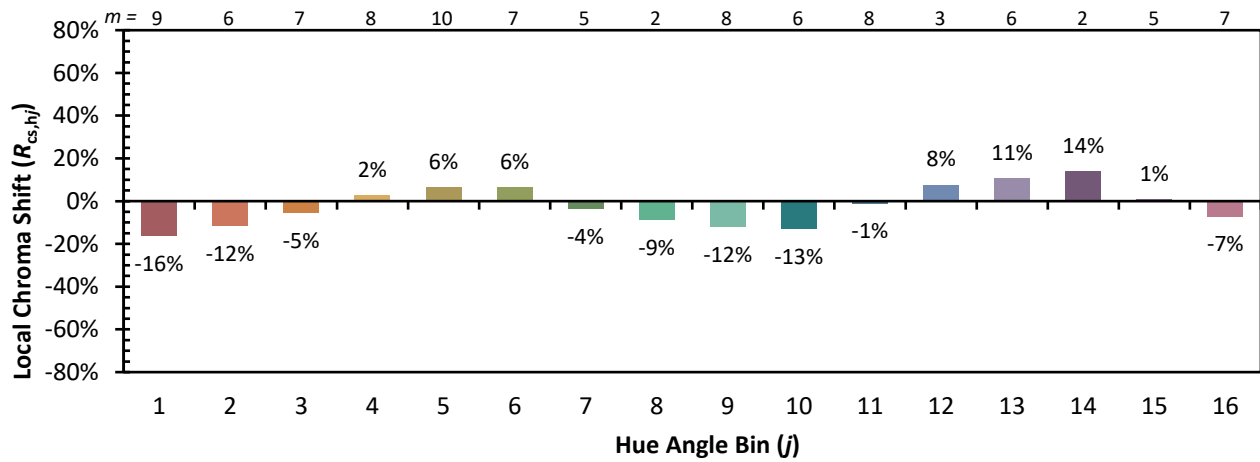
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 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
CES25 = 72	CES50 = 89	CES75 = 56	



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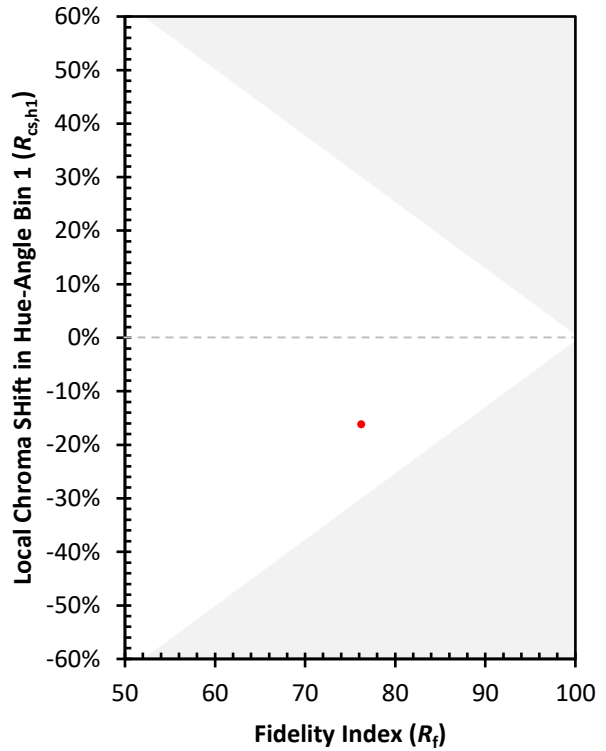
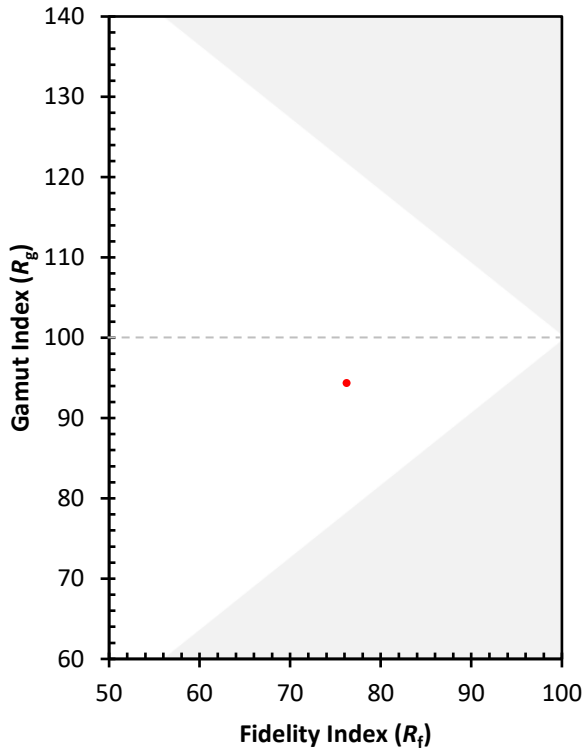
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)