

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: P856299

Luminaire Tested: **FFX-CLB-100-730-U-FG**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856299  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-100-730-U-FG  
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

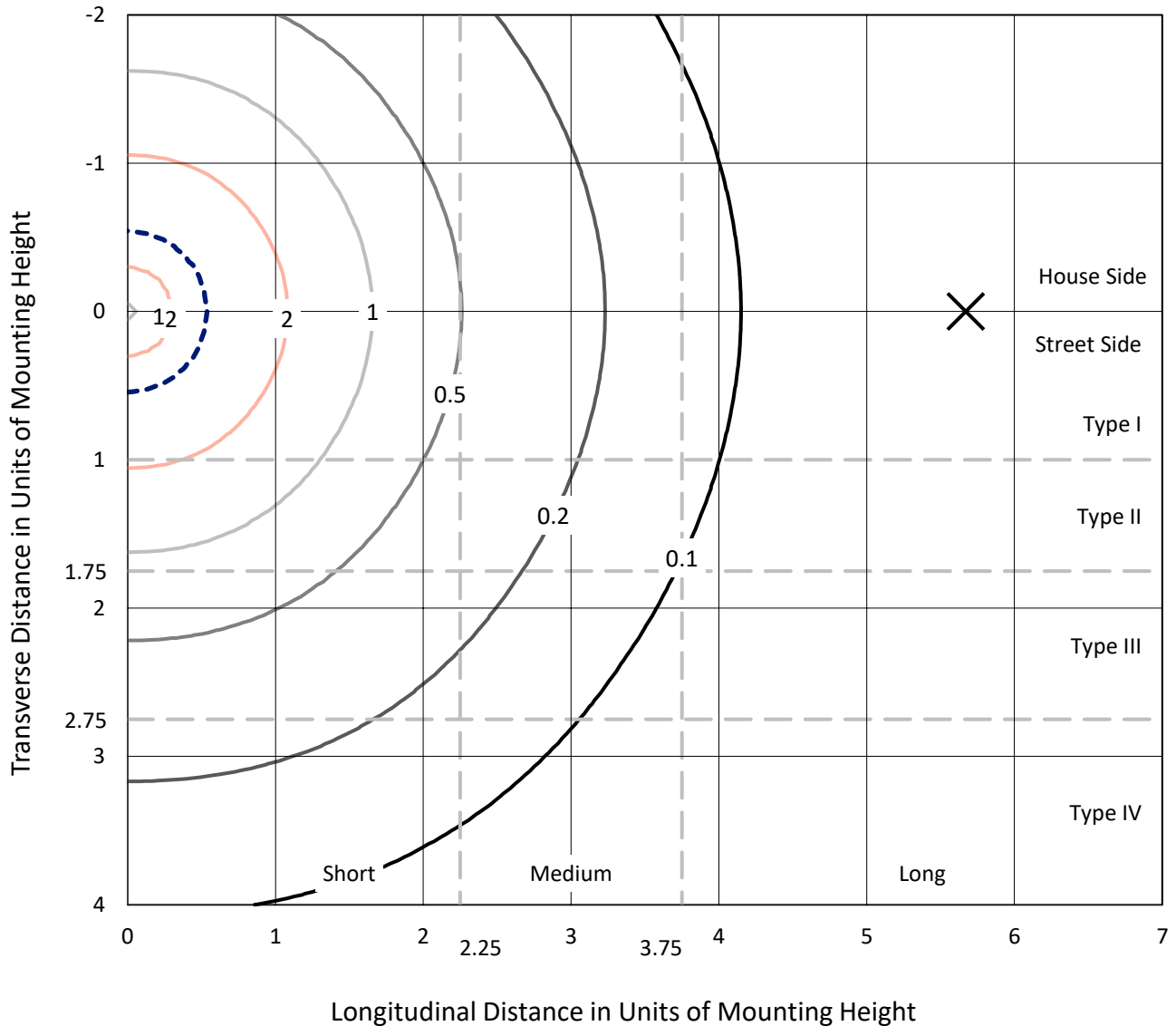
Lumens per Lamp: N/A  
Luminaire Lumens: 15730.6 lumens  
Efficiency: N/A  
Efficacy: 163.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G5

Input Watts (W): 96.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.2%%  
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

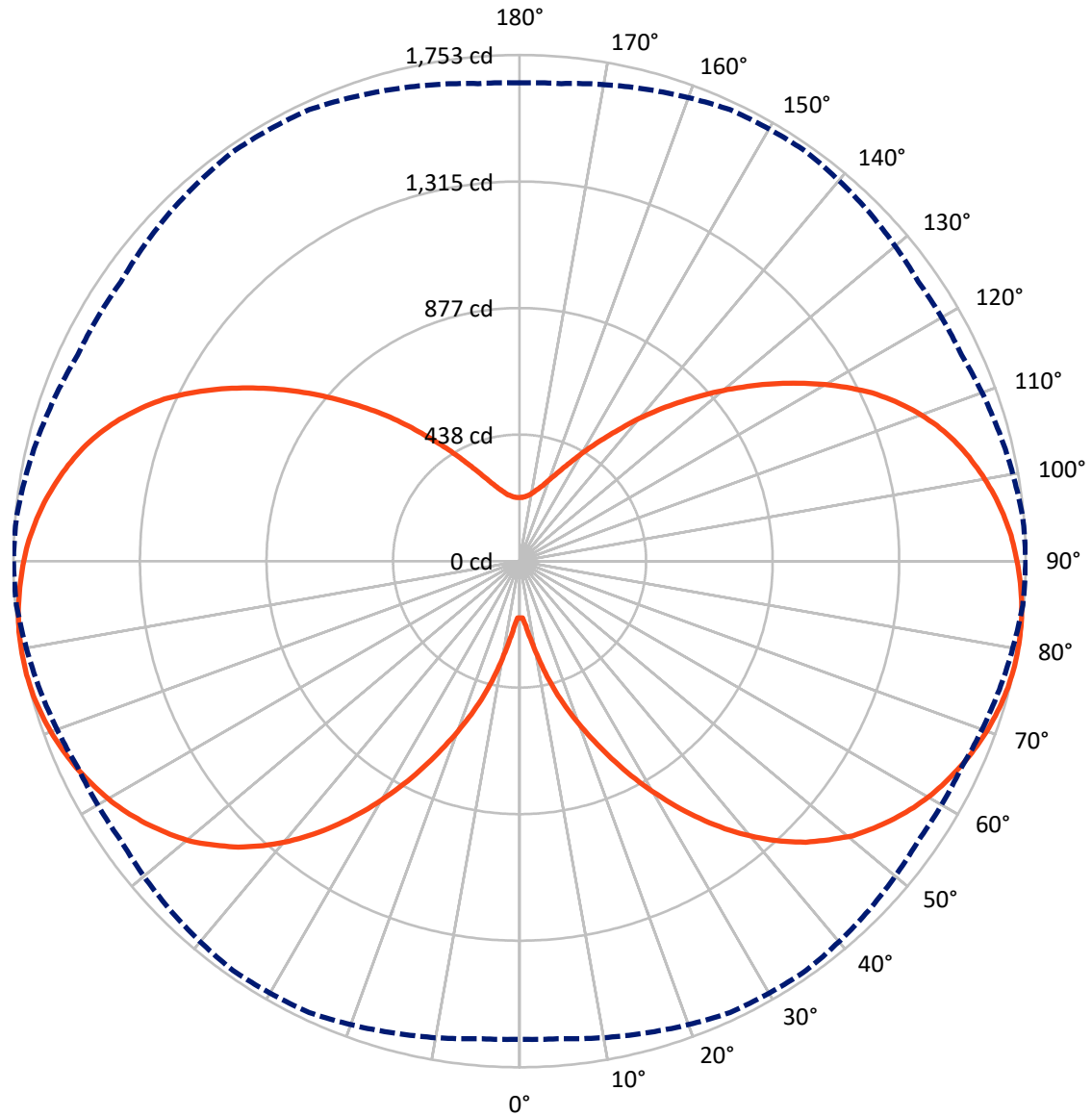
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 80-Deg Vertical



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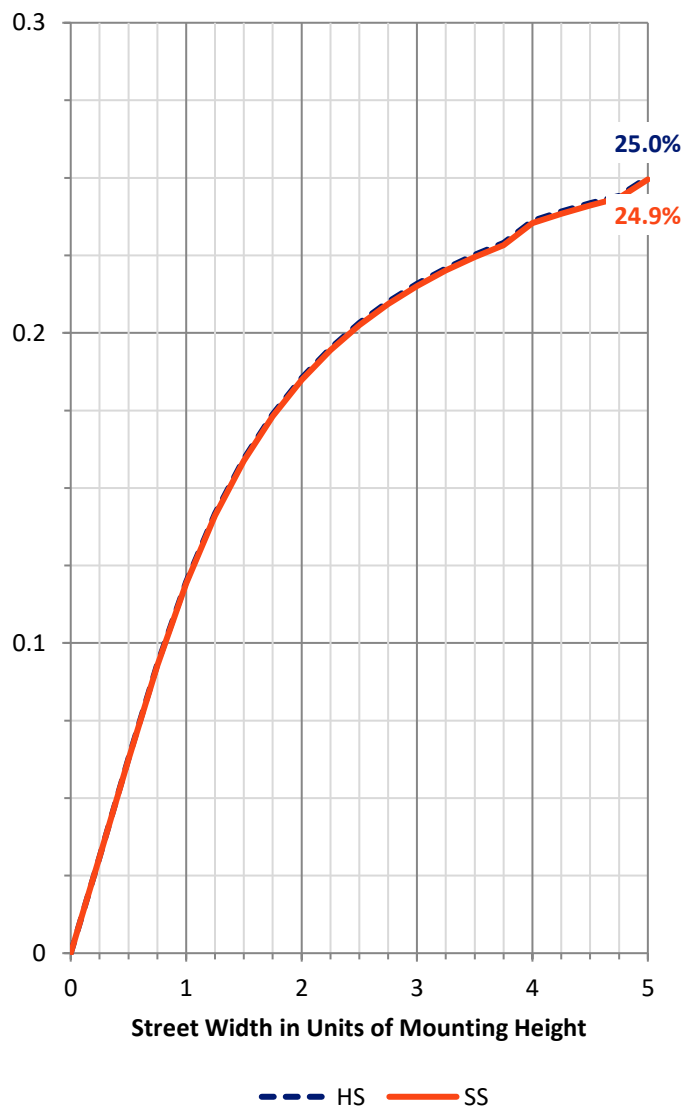
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4475.5	3389.8	7865.3
	% Fixture	28.5	21.5	50.0
<b>Street Side</b>	Lumens	4475.5	3389.8	7865.3
	% Fixture	28.5	21.5	50.0
<b>Total</b>	Lumens	8951.0	6779.5	15730.6
	% Fixture	56.9	43.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.0	0.2
10°-20°	137.3	0.9
20°-30°	360.9	2.3
30°-40°	690.0	4.4
40°-50°	1060.7	6.7
50°-60°	1389.6	8.8
60°-70°	1640.0	10.4
70°-80°	1799.1	11.4
80°-90°	1848.5	11.8
90°-100°	1780.9	11.3
100°-110°	1596.8	10.2
110°-120°	1297.6	8.2
120°-130°	927.2	5.9
130°-140°	586.4	3.7
140°-150°	328.4	2.1
150°-160°	165.3	1.1
160°-170°	75.1	0.5
170°-180°	21.8	0.1
0°-90°	8951.0	56.9
0°-180°	15730.6	100.0

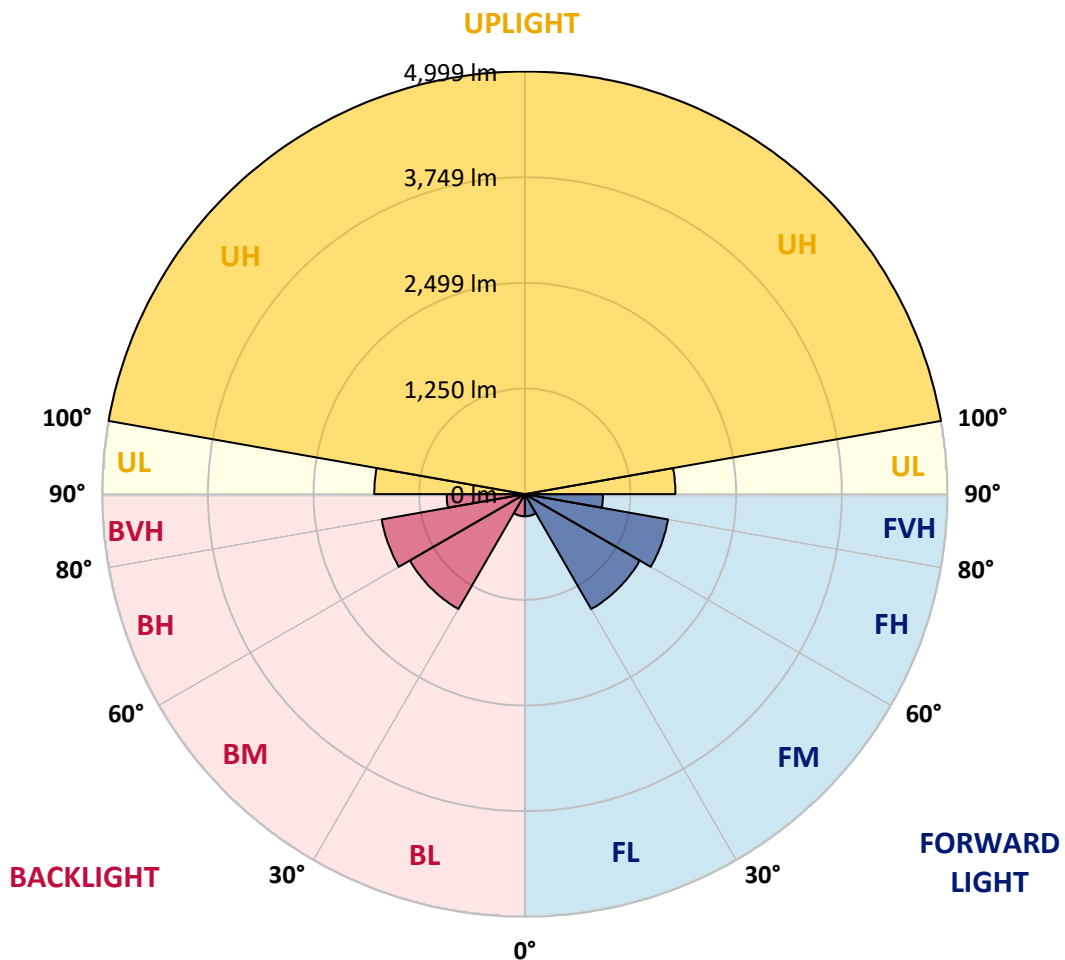


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.6	1.7			
FM (30°-60°)	1570.1	10.0			
FH (60°-80°)	1719.6	10.9			G1/1800
FVH (80°-90°)	924.3	5.9			G5
BL (0°-30°)	261.6	1.7	B1/500		
BM (30°-60°)	1570.1	10.0	B2/2500		
BH (60°-80°)	1719.6	10.9	B3/2500		G1/1800
BVH (80°-90°)	924.3	5.9			G5
UL (90°-100°)	1780.9	11.3		U5	
UH (100°-180°)	4998.6	31.8		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°	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5
2.5°	207.2	207.2	206.2	204.3	203.3	202.3	200.4	197.5	196.5	196.5	196.5
5°	225.6	226.5	226.5	225.6	226.5	224.6	224.6	222.6	223.6	223.6	224.6
7.5°	271.1	271.1	272.0	272.0	273.0	271.1	272.0	271.1	272.0	272.0	271.1
10°	330.1	330.1	332.0	330.1	331.1	329.1	328.2	328.2	331.1	330.1	329.1
12.5°	396.9	398.8	397.9	396.9	398.8	396.9	395.0	395.9	399.8	397.9	396.9
15°	467.6	469.5	471.4	468.5	469.5	468.5	467.6	468.5	472.4	470.5	469.5
17.5°	539.2	540.2	542.1	538.2	539.2	540.2	539.2	540.2	543.1	542.1	541.1
20°	610.8	612.8	614.7	610.8	611.8	612.8	611.8	612.8	616.6	614.7	613.7
22.5°	686.3	687.3	691.2	686.3	688.3	689.2	687.3	689.2	693.1	691.2	690.2
25°	764.8	763.8	769.6	765.7	766.7	768.6	766.7	768.6	773.5	773.5	770.6
27.5°	845.1	845.1	849.9	847.0	849.0	848.0	849.9	851.9	856.7	857.7	854.8
30°	925.4	925.4	933.2	928.4	931.3	932.2	932.2	934.2	940.0	941.9	938.0
32.5°	1005.8	1005.8	1009.7	1010.6	1012.6	1013.5	1015.5	1015.5	1023.2	1024.2	1022.3
35°	1084.2	1084.2	1088.1	1090.0	1094.9	1092.9	1095.8	1095.8	1104.5	1105.5	1104.5
37.5°	1158.7	1159.7	1164.6	1166.5	1170.4	1170.4	1172.3	1174.2	1182.0	1184.9	1183.9
40°	1229.4	1231.3	1235.2	1239.1	1243.0	1243.0	1243.9	1246.8	1255.6	1258.5	1257.5
42.5°	1293.3	1294.3	1300.1	1305.9	1309.8	1309.8	1310.7	1312.7	1322.3	1326.2	1326.2
45°	1349.5	1352.4	1360.1	1367.8	1371.7	1370.7	1370.7	1373.7	1384.3	1389.1	1389.1
47.5°	1401.7	1405.6	1414.3	1422.1	1425.9	1425.9	1425.0	1427.9	1439.5	1445.3	1442.4
50°	1448.2	1451.1	1460.8	1472.4	1475.3	1475.3	1472.4	1475.3	1487.9	1495.6	1495.6
52.5°	1486.9	1489.8	1501.4	1514.0	1517.9	1516.9	1513.1	1516.0	1528.5	1537.3	1536.3
55°	1519.8	1523.7	1536.3	1551.8	1555.6	1552.7	1547.9	1550.8	1564.4	1576.0	1575.0
57.5°	1549.8	1552.7	1567.3	1583.7	1589.5	1584.7	1577.9	1580.8	1596.3	1608.9	1609.9
60°	1575.0	1577.9	1594.4	1613.7	1618.6	1612.8	1604.0	1607.0	1624.4	1638.9	1640.8
62.5°	1596.3	1599.2	1617.6	1638.9	1645.7	1637.0	1626.3	1629.2	1648.6	1665.0	1666.0
65°	1613.7	1616.6	1637.9	1660.2	1667.0	1657.3	1644.7	1647.6	1668.9	1687.3	1689.2
67.5°	1627.3	1631.2	1655.4	1679.6	1685.4	1673.7	1659.2	1662.1	1685.4	1706.7	1708.6
70°	1638.9	1643.7	1668.9	1695.0	1701.8	1688.3	1670.8	1674.7	1700.9	1722.1	1725.1
72.5°	1647.6	1652.4	1679.6	1707.6	1715.4	1698.9	1679.6	1683.4	1711.5	1734.7	1737.6
75°	1653.4	1658.3	1687.3	1717.3	1724.1	1706.7	1685.4	1689.2	1718.3	1743.4	1747.3
77.5°	1656.3	1661.2	1692.1	1723.1	1729.9	1709.6	1687.3	1691.2	1721.2	1748.3	1752.2
80°	1656.3	1660.2	1692.1	1725.1	1730.9	1710.5	1686.3	1689.2	1720.2	1749.3	1753.1
82.5°	1653.4	1657.3	1690.2	1723.1	1728.9	1706.7	1681.5	1685.4	1717.3	1746.3	1751.2
85°	1646.6	1650.5	1683.4	1717.3	1723.1	1698.9	1672.8	1676.6	1708.6	1739.6	1744.4
87.5°	1637.0	1641.8	1673.7	1707.6	1712.5	1687.3	1662.1	1664.1	1697.9	1729.9	1733.8
90°	1625.3	1630.2	1660.2	1694.1	1698.9	1673.7	1647.6	1650.5	1683.4	1716.3	1720.2
92.5°	1611.8	1615.7	1644.7	1675.7	1681.5	1655.4	1630.2	1634.1	1667.0	1699.9	1704.7
95°	1594.4	1597.3	1624.4	1653.4	1658.3	1635.0	1609.9	1613.7	1646.6	1678.6	1683.4
97.5°	1573.1	1575.0	1599.2	1625.3	1631.2	1608.9	1585.7	1589.5	1621.5	1653.4	1659.2
100°	1548.9	1549.8	1571.1	1593.4	1598.2	1579.8	1558.5	1563.4	1593.4	1626.3	1630.2
102.5°	1520.8	1520.8	1538.2	1556.6	1562.4	1546.9	1528.5	1533.4	1562.4	1593.4	1598.2
105°	1489.8	1486.9	1499.5	1514.0	1520.8	1509.2	1495.6	1499.5	1526.6	1556.6	1562.4
107.5°	1451.1	1448.2	1456.9	1469.5	1476.3	1467.6	1456.9	1462.7	1485.9	1514.0	1519.8
110°	1407.5	1403.7	1407.5	1417.2	1425.0	1419.1	1413.3	1418.2	1440.4	1466.6	1470.5



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 CATALOG NUMBER: FFX-CLB-100-730-U-FG

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1357.2	1352.4	1353.3	1360.1	1366.9	1365.9	1362.0	1369.8	1388.2	1409.5	1414.3
115°	1299.1	1294.3	1291.4	1295.2	1301.0	1304.9	1308.8	1313.6	1328.2	1345.6	1353.3
117.5°	1238.1	1230.4	1225.5	1225.5	1232.3	1239.1	1245.9	1252.6	1262.3	1278.8	1281.7
120°	1167.5	1162.6	1155.8	1155.8	1161.7	1168.4	1179.1	1186.8	1192.6	1204.2	1208.1
122.5°	1097.8	1091.0	1084.2	1084.2	1088.1	1097.8	1112.3	1119.1	1122.0	1128.7	1131.6
125°	1027.1	1019.3	1011.6	1011.6	1015.5	1025.2	1041.6	1047.4	1049.4	1052.3	1055.2
127.5°	955.5	947.7	940.9	938.0	943.8	951.6	968.0	975.8	976.8	976.8	978.7
130°	883.8	878.0	871.2	868.3	874.1	880.9	899.3	907.1	903.2	903.2	904.2
132.5°	816.1	810.3	803.5	801.5	805.4	814.1	830.6	837.4	834.5	830.6	831.5
135°	750.2	745.4	736.7	735.7	741.5	745.4	760.9	767.7	764.8	760.9	761.8
137.5°	687.3	682.5	674.7	673.8	679.6	684.4	696.0	702.8	698.9	695.1	696.0
140°	627.3	621.5	615.7	614.7	618.6	623.4	634.1	637.9	634.1	631.2	632.1
142.5°	571.1	567.3	560.5	560.5	562.4	566.3	575.0	578.9	575.0	571.1	569.2
145°	517.9	513.1	509.2	508.2	510.2	514.0	519.8	523.7	519.8	516.9	515.0
147.5°	470.5	466.6	462.7	462.7	463.7	466.6	471.4	472.4	469.5	467.6	465.6
150°	426.9	423.0	421.1	420.1	421.1	422.1	425.9	427.9	425.0	423.0	421.1
152.5°	387.2	384.3	382.4	383.3	383.3	384.3	385.3	386.2	383.3	383.3	381.4
155°	352.4	350.4	348.5	349.5	349.5	349.5	350.4	350.4	348.5	348.5	347.5
157.5°	323.3	321.4	320.4	321.4	321.4	320.4	321.4	321.4	319.5	319.5	318.5
160°	298.2	296.2	296.2	296.2	296.2	295.3	297.2	296.2	295.3	294.3	294.3
162.5°	277.8	275.9	275.9	276.9	275.9	275.9	275.9	275.9	274.9	274.9	274.0
165°	261.4	259.4	259.4	260.4	259.4	259.4	259.4	259.4	258.5	258.5	258.5
167.5°	247.8	246.9	246.9	246.9	246.9	245.9	246.9	246.9	245.9	245.9	245.9
170°	237.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	235.2	235.2
172.5°	230.4	229.4	229.4	229.4	229.4	229.4	229.4	229.4	228.5	228.5	228.5
175°	225.6	224.6	224.6	224.6	224.6	224.6	224.6	224.6	224.6	223.6	223.6
177.5°	222.6	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	220.7	220.7
180°	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7	220.7



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: SP1-2406-133-4

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.

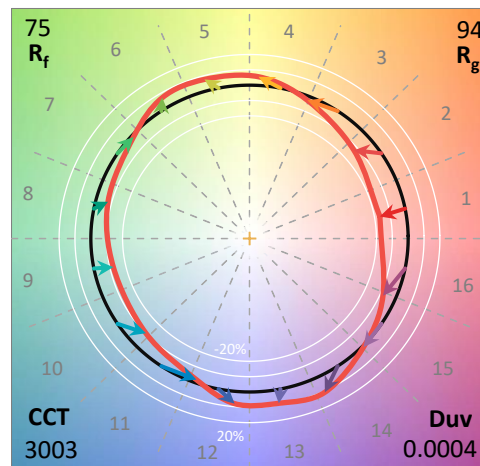
**Test Information**

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**

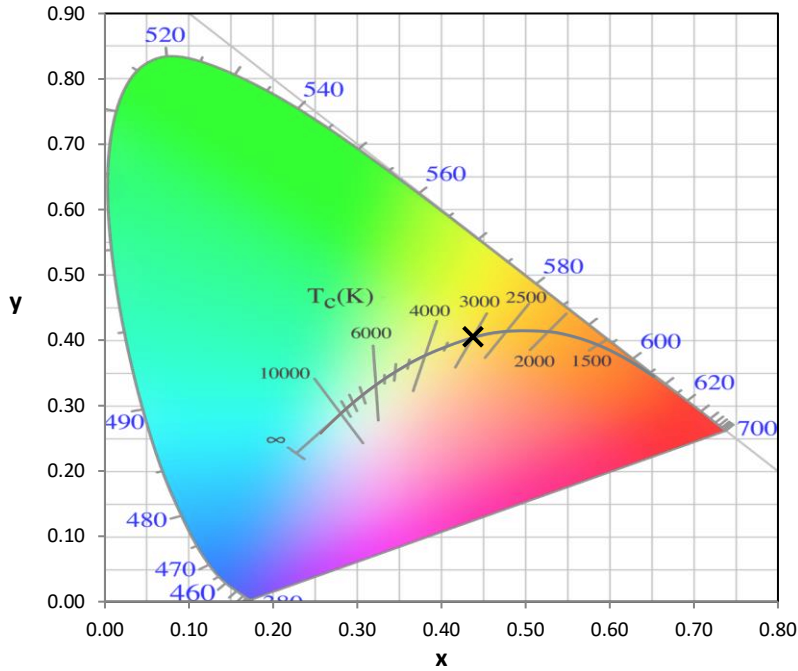
Stabilization Time: 0.794393M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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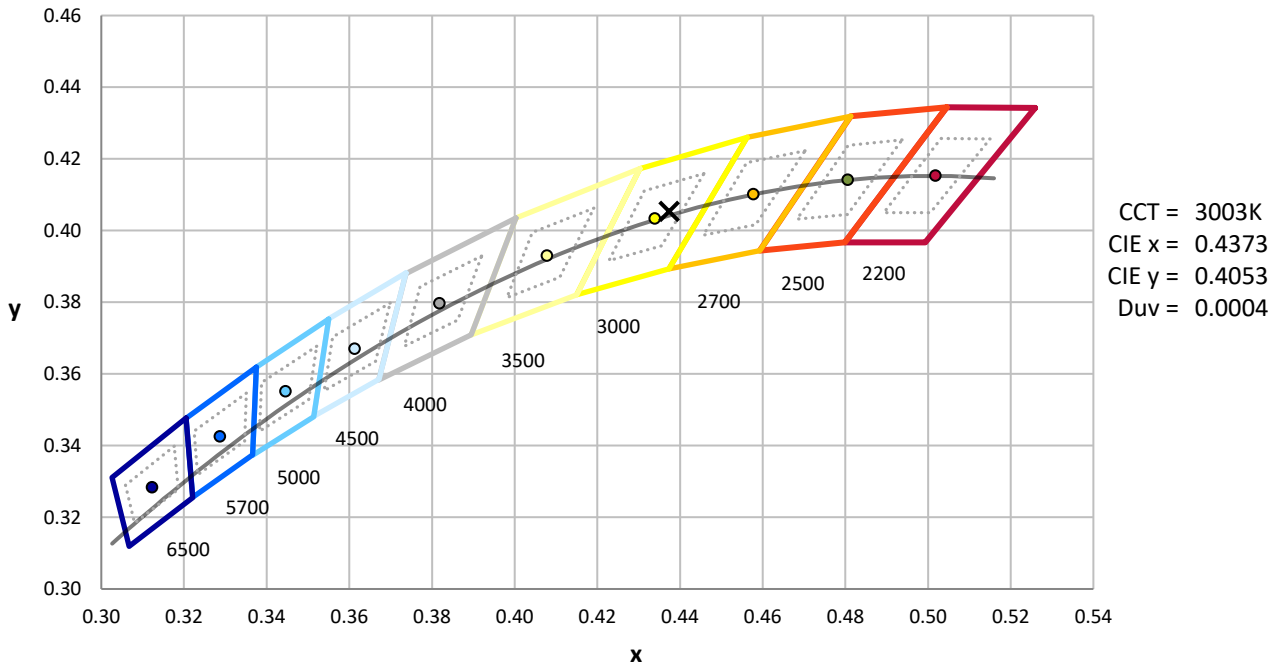
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



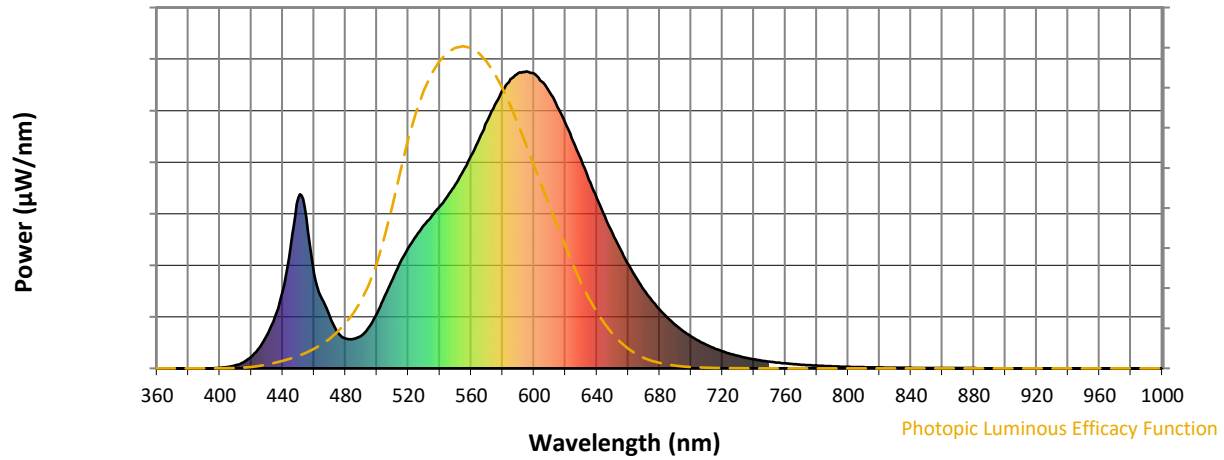
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

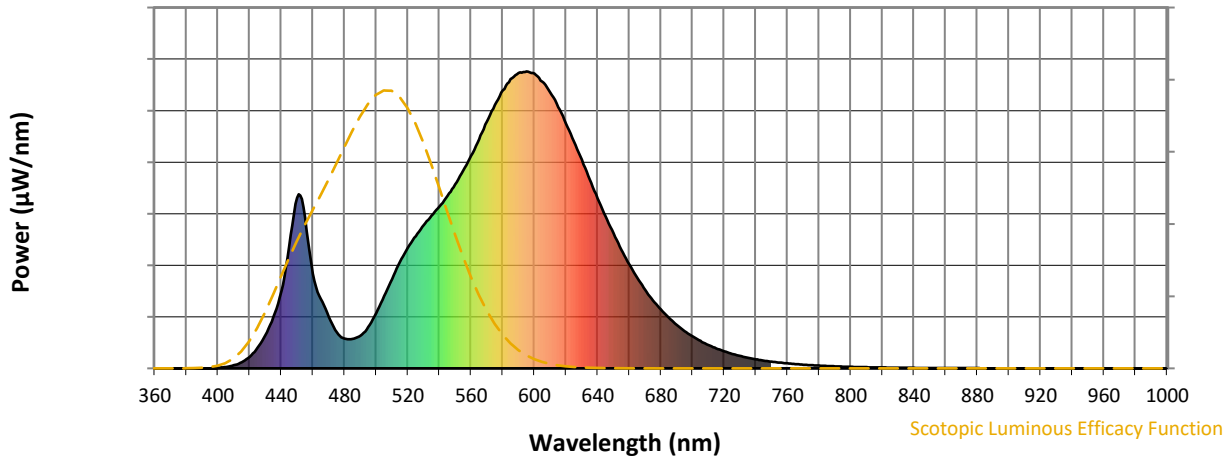


**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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



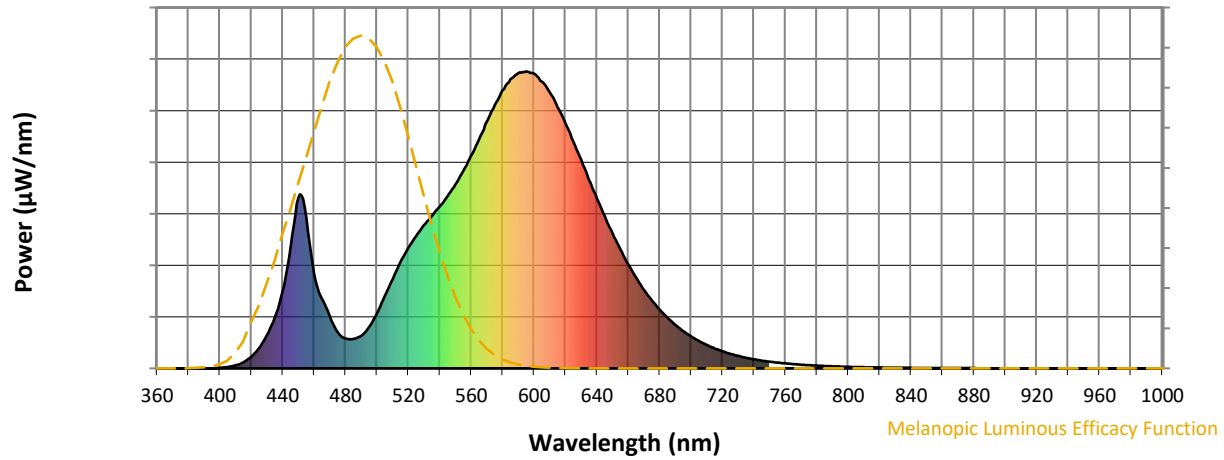
Scotopic Lumens: NR

S/P: 1.21

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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**

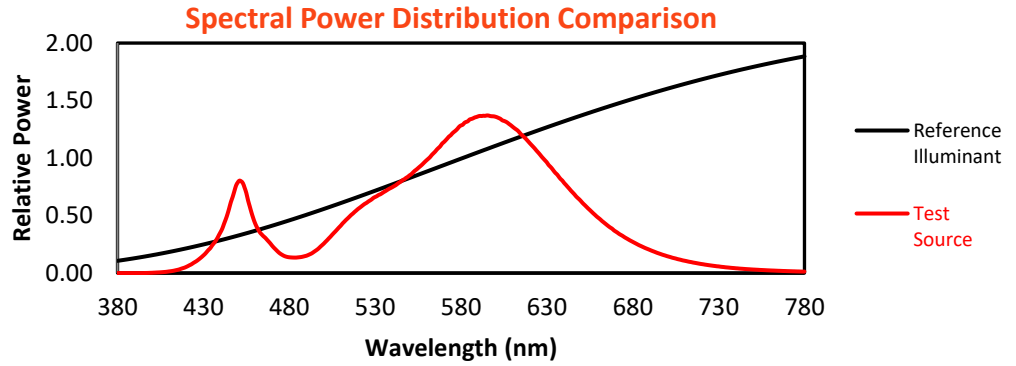
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	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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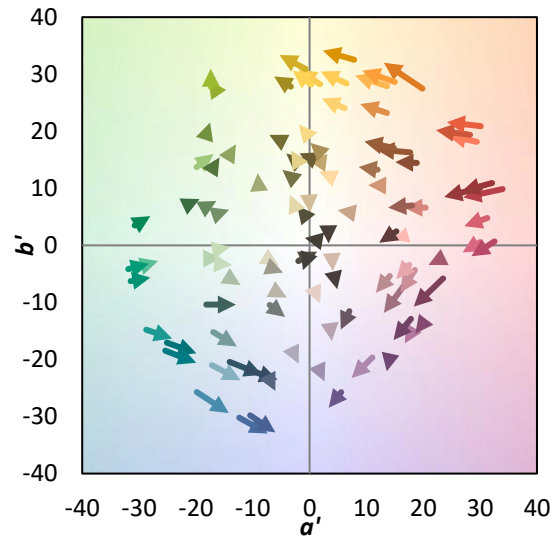
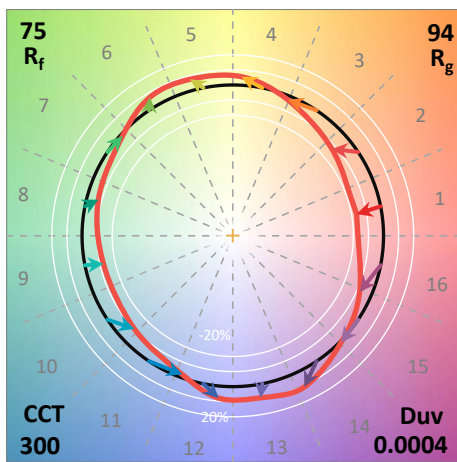
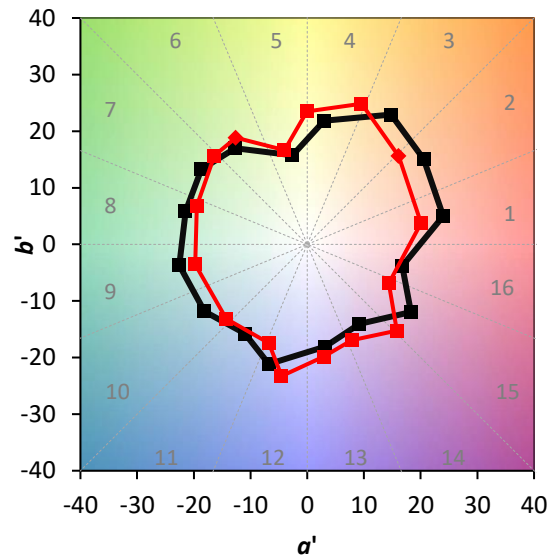
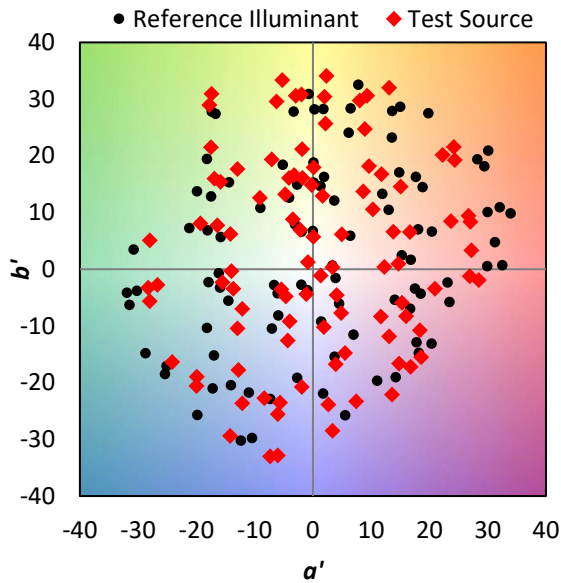
TM-30-18

**Summary**

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



**Color Vector Graphics**



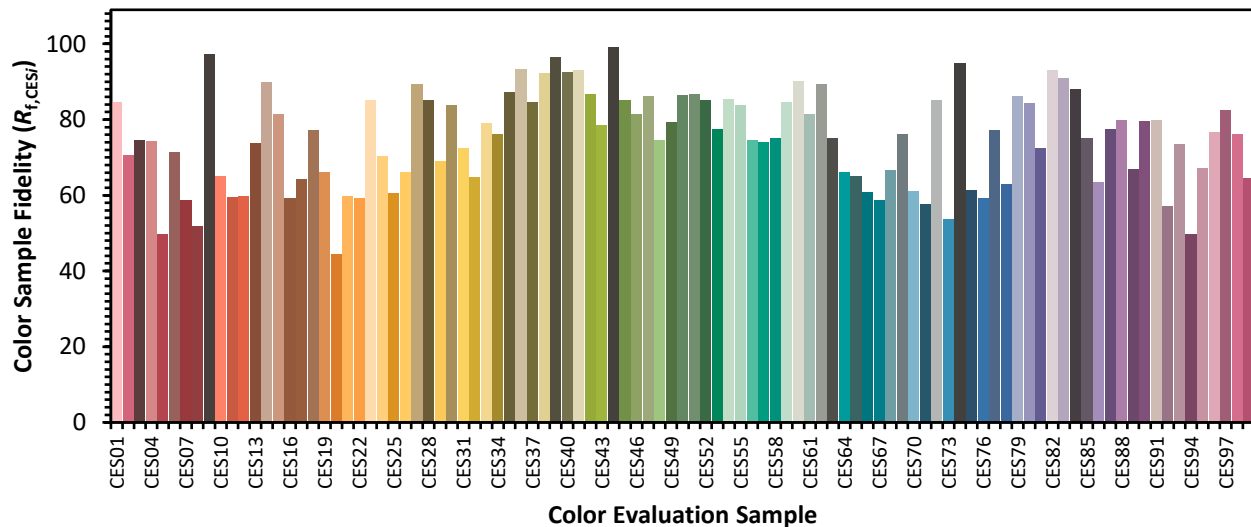


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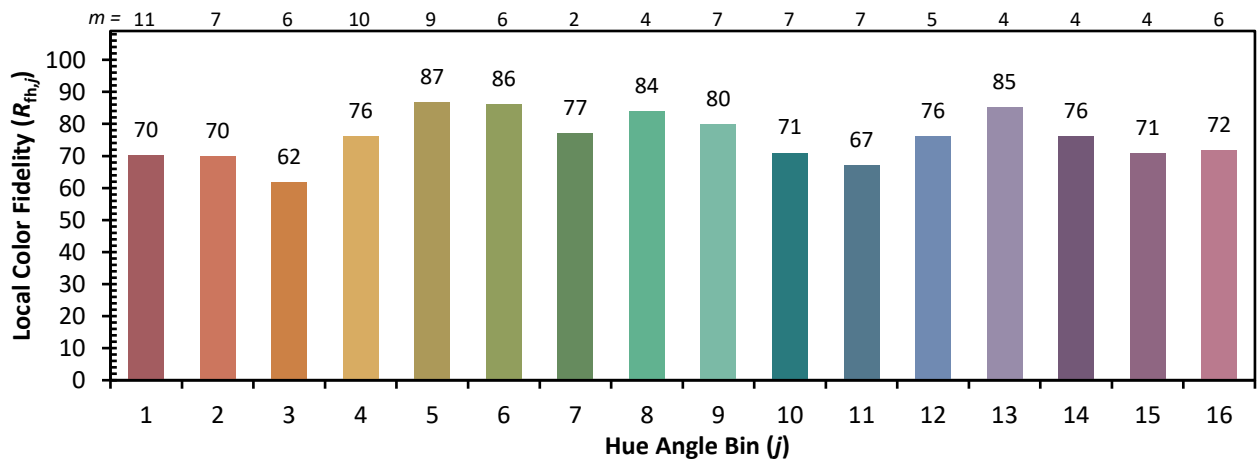
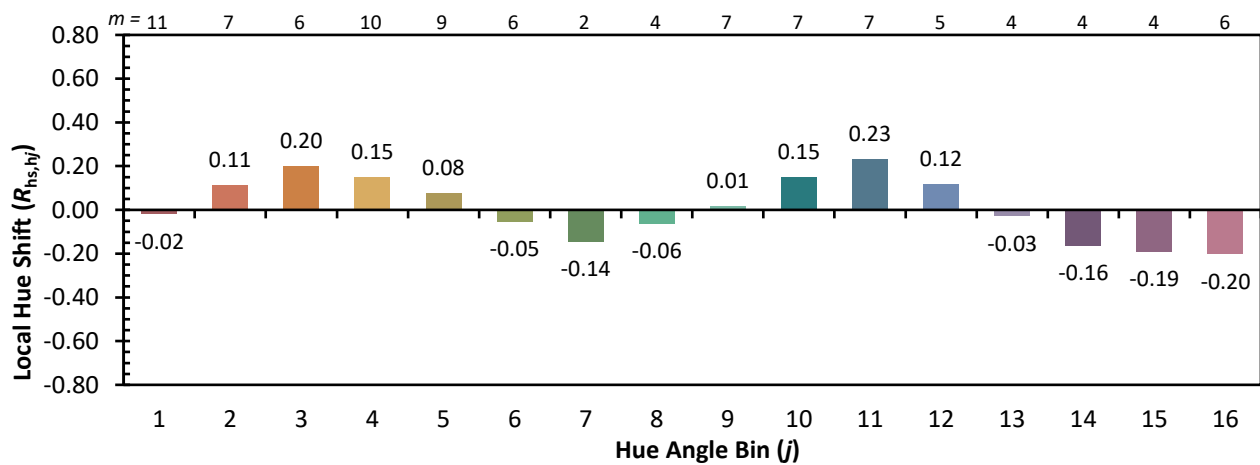
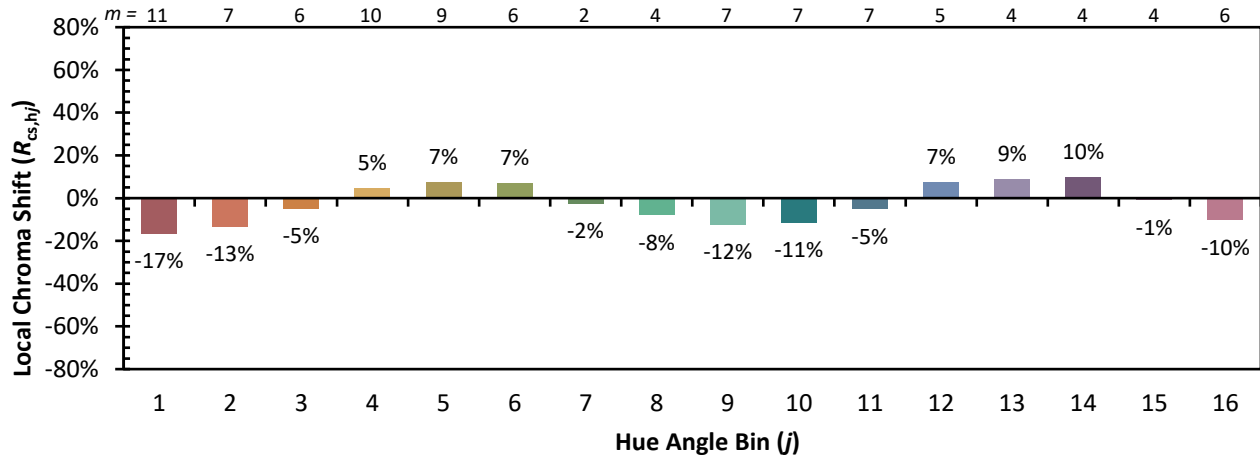
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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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	



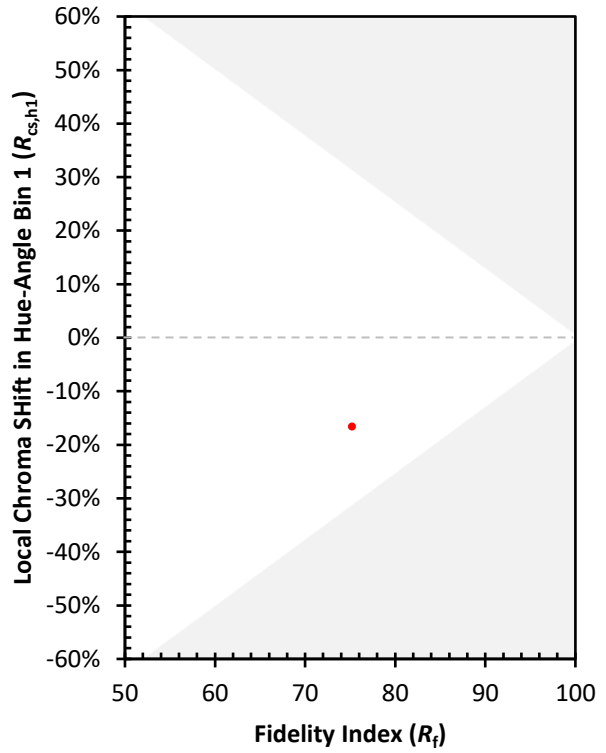
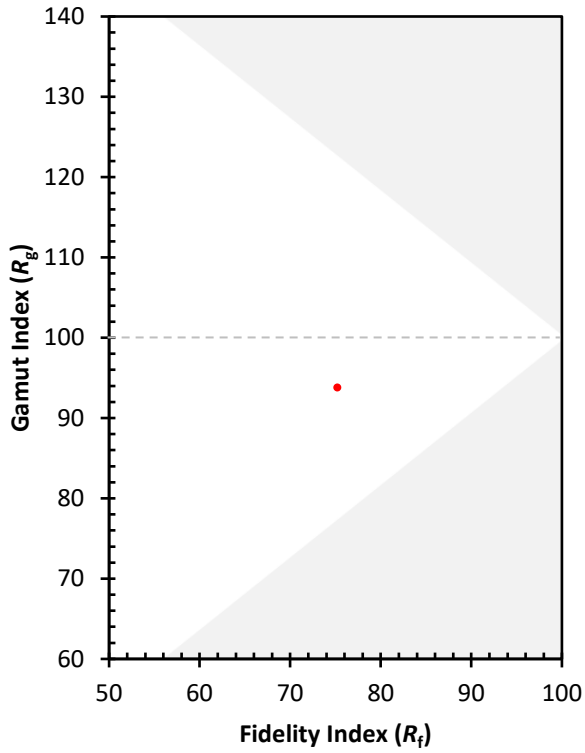
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)