

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: P856390

Luminaire Tested: **FFX-CLB-90-730-U-VM9**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856390  
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-VM9  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

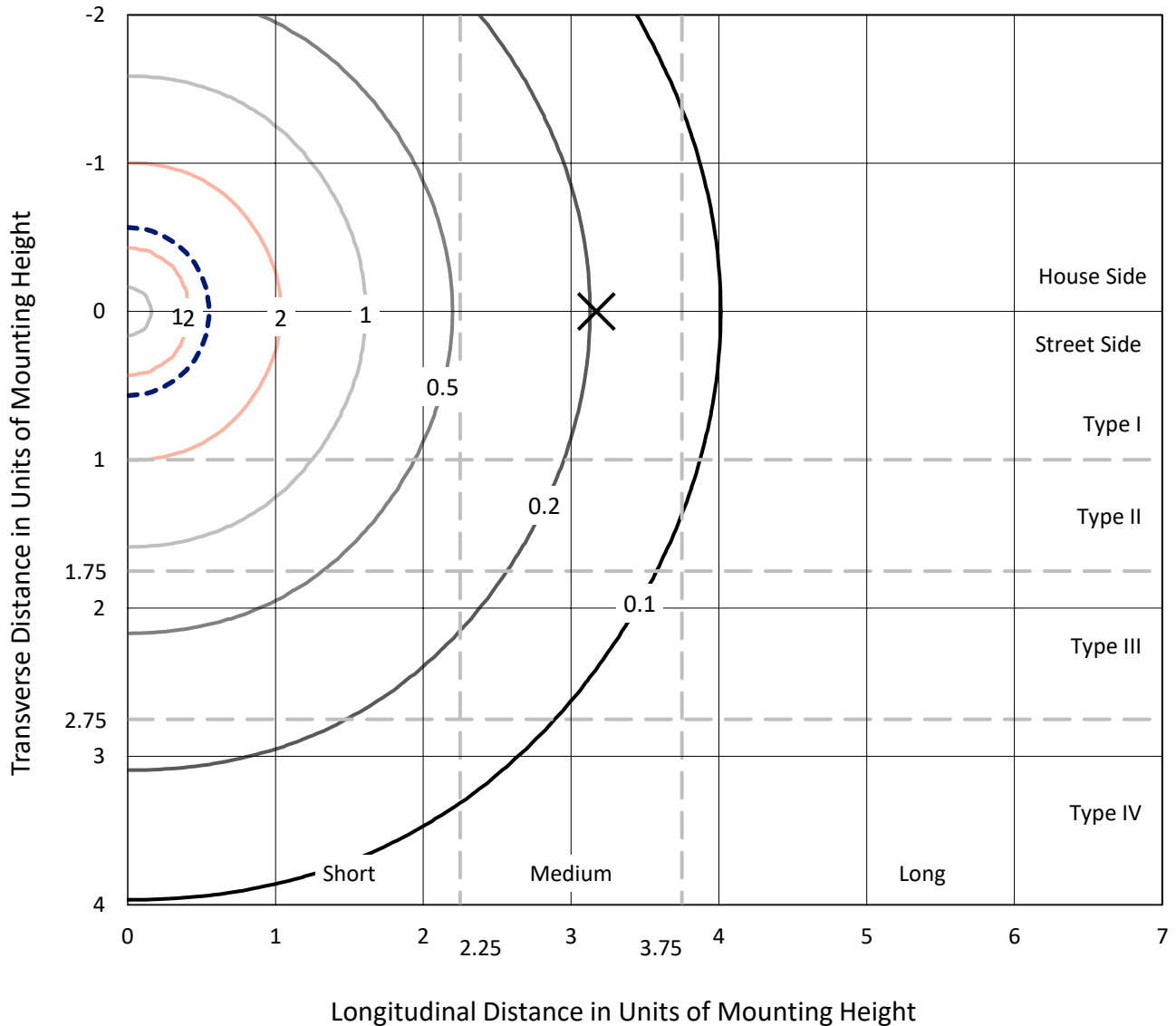
Lumens per Lamp: N/A  
Luminaire Lumens: 14092.4 lumens  
Efficiency: N/A  
Efficacy: 156.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G5

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

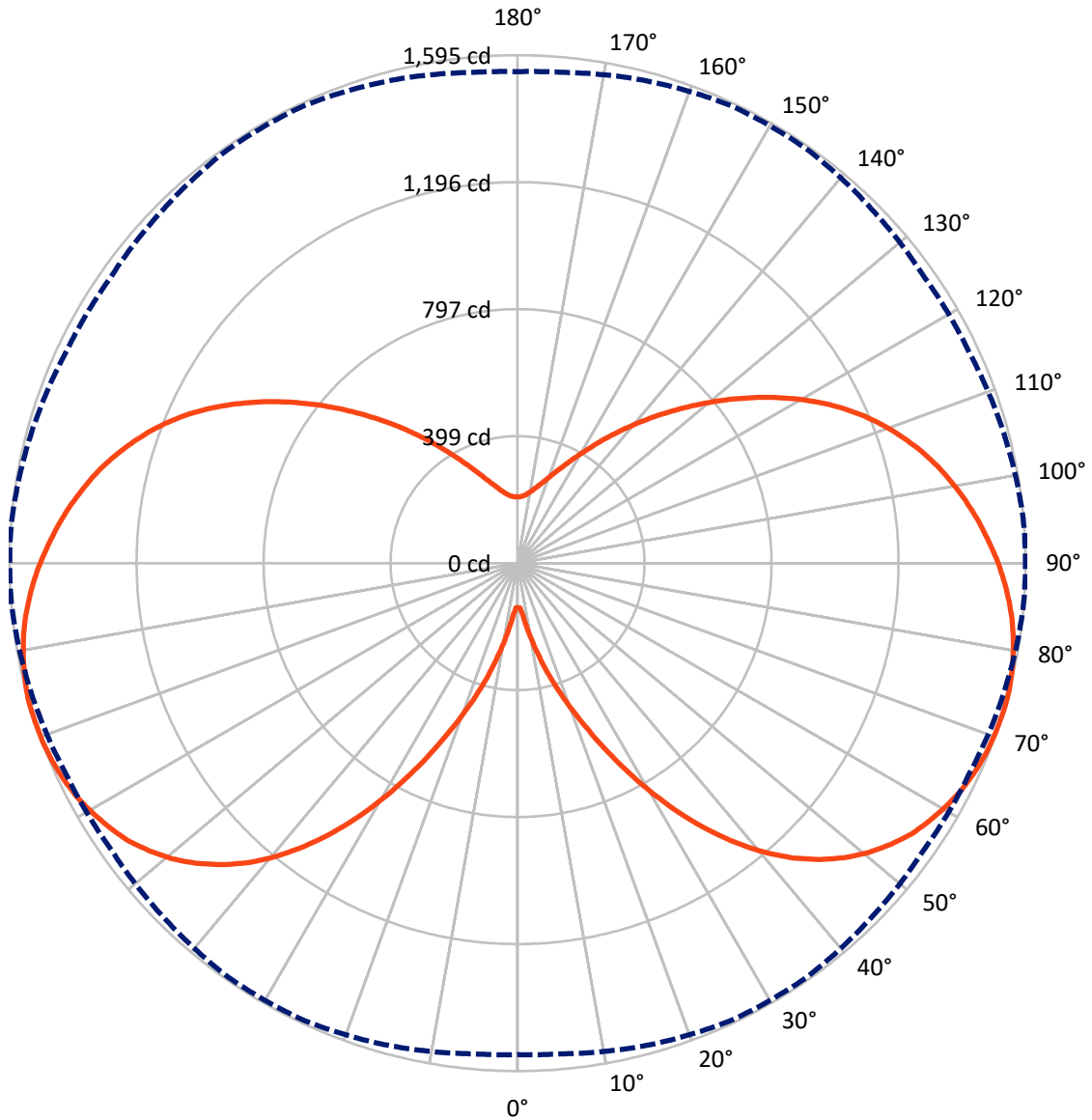
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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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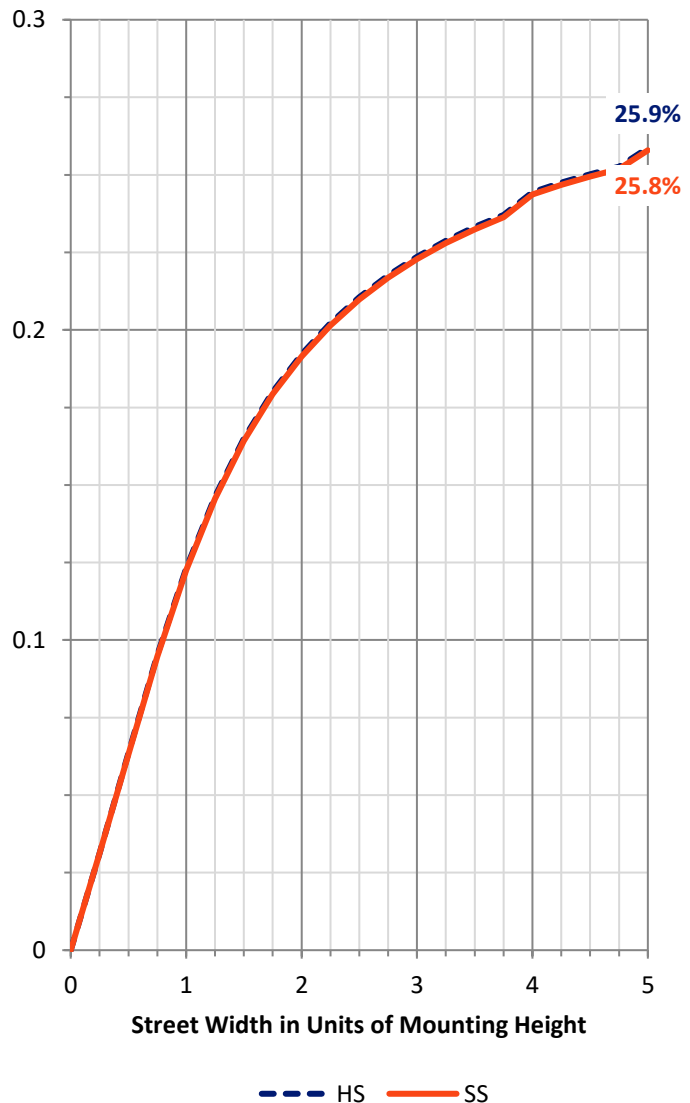
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4127.5	2918.7	7046.2
	% Fixture	29.3	20.7	50.0
<b>Street Side</b>	Lumens	4127.5	2918.7	7046.2
	% Fixture	29.3	20.7	50.0
<b>Total</b>	Lumens	8255.1	5837.4	14092.4
	% Fixture	58.6	41.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.1	0.1
10°-20°	105.7	0.8
20°-30°	305.5	2.2
30°-40°	635.4	4.5
40°-50°	1008.4	7.2
50°-60°	1323.7	9.4
60°-70°	1543.5	11.0
70°-80°	1657.8	11.8
80°-90°	1657.1	11.8
90°-100°	1551.1	11.0
100°-110°	1361.0	9.7
110°-120°	1094.5	7.8
120°-130°	786.1	5.6
130°-140°	505.2	3.6
140°-150°	293.1	2.1
150°-160°	154.0	1.1
160°-170°	71.7	0.5
170°-180°	20.6	0.1
0°-90°	8255.1	58.6
0°-180°	14092.4	100.0

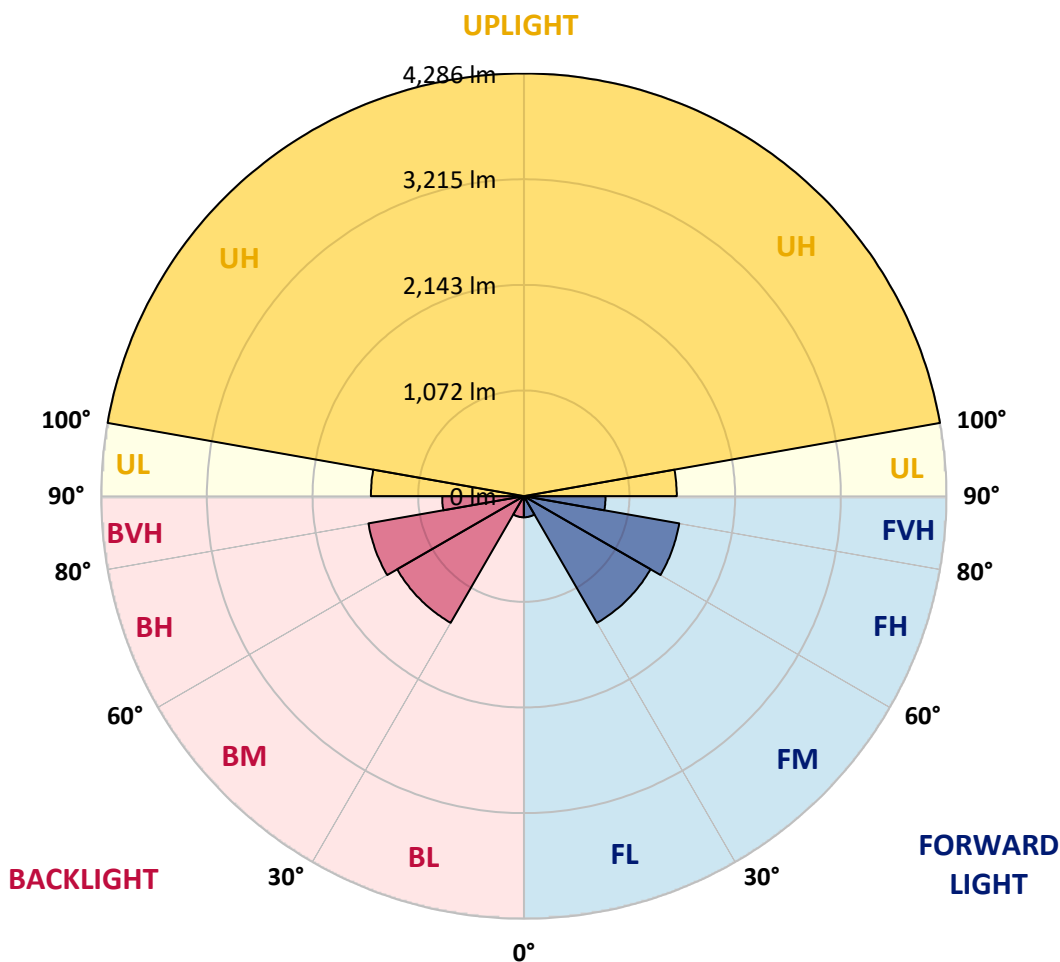


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.6	1.5			
FM (30°-60°)	1483.7	10.5			
FH (60°-80°)	1600.6	11.4			G1/1800
FVH (80°-90°)	828.5	5.9			G5
BL (0°-30°)	214.6	1.5	B1/500		
BM (30°-60°)	1483.7	10.5	B2/2500		
BH (60°-80°)	1600.6	11.4	B3/2500		G1/1800
BVH (80°-90°)	828.5	5.9			G5
UL (90°-100°)	1551.1	11.0		U5	
UH (100°-180°)	4286.3	30.4		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°	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
2.5°	145.1	145.1	144.2	144.2	143.3	142.4	142.4	141.5	140.6	140.6	140.6
5°	161.5	160.6	160.6	160.6	160.6	159.7	160.6	159.7	159.7	159.7	160.6
7.5°	196.8	195.9	195.9	195.9	196.8	196.8	197.7	198.7	199.6	199.6	199.6
10°	243.1	242.2	242.2	241.3	243.1	243.1	244.0	242.2	244.9	244.9	245.8
12.5°	297.5	296.6	296.6	295.7	297.5	296.6	298.4	296.6	301.2	299.3	299.3
15°	356.5	356.5	355.6	354.7	357.4	357.4	359.2	359.2	361.9	360.1	361.0
17.5°	419.1	418.2	418.2	417.3	420.0	420.0	420.0	421.8	425.4	421.8	424.5
20°	486.2	485.3	485.3	484.4	487.1	487.1	488.9	489.8	493.5	490.7	492.6
22.5°	558.8	557.9	557.9	557.9	561.5	562.4	562.4	565.1	569.7	565.1	568.8
25°	639.5	638.6	638.6	641.3	644.0	645.0	646.8	650.4	654.9	650.4	654.9
27.5°	725.7	724.8	726.6	730.2	732.9	734.8	737.5	738.4	744.7	740.2	746.5
30°	814.6	813.7	815.5	820.0	823.7	829.1	829.1	831.8	840.9	834.5	840.9
32.5°	902.6	901.7	904.4	909.8	915.3	920.7	921.6	925.2	934.3	929.8	936.1
35°	989.7	988.7	992.4	999.6	1005.1	1010.5	1012.3	1016.0	1025.9	1021.4	1027.8
37.5°	1072.2	1072.2	1075.8	1084.0	1090.3	1097.6	1096.7	1101.2	1110.3	1107.6	1113.9
40°	1149.3	1149.3	1153.8	1163.8	1171.1	1175.6	1174.7	1179.2	1189.2	1188.3	1193.8
42.5°	1219.2	1219.2	1225.5	1235.5	1242.7	1245.5	1245.5	1250.0	1260.9	1260.0	1265.4
45°	1278.1	1280.8	1288.1	1299.0	1305.3	1308.0	1306.2	1310.8	1322.6	1322.6	1327.1
47.5°	1332.5	1336.2	1343.4	1354.3	1358.8	1361.6	1359.8	1363.4	1375.2	1377.0	1381.5
50°	1379.7	1382.4	1391.5	1403.3	1407.8	1407.8	1405.1	1408.7	1421.4	1425.1	1428.7
52.5°	1420.5	1423.2	1433.2	1445.9	1448.6	1447.7	1444.1	1447.7	1460.4	1464.1	1466.8
55°	1453.2	1455.9	1467.7	1480.4	1483.1	1480.4	1475.0	1479.5	1491.3	1496.7	1501.3
57.5°	1479.5	1482.2	1495.8	1508.5	1511.2	1505.8	1499.4	1504.0	1517.6	1523.9	1525.8
60°	1501.3	1504.0	1518.5	1532.1	1533.9	1527.6	1520.3	1524.8	1538.5	1545.7	1547.5
62.5°	1518.5	1521.2	1536.6	1552.1	1553.0	1544.8	1536.6	1541.2	1554.8	1562.9	1565.7
65°	1530.3	1533.0	1550.2	1565.7	1567.5	1557.5	1549.3	1553.9	1566.6	1576.6	1578.4
67.5°	1538.5	1541.2	1560.2	1576.6	1577.5	1566.6	1557.5	1561.1	1575.6	1585.6	1587.4
70°	1542.1	1544.8	1564.8	1582.0	1582.9	1571.1	1560.2	1564.8	1579.3	1591.1	1592.9
72.5°	1543.0	1546.6	1567.5	1584.7	1585.6	1572.0	1561.1	1564.8	1580.2	1593.8	1594.7
75°	1539.4	1543.9	1565.7	1583.8	1583.8	1568.4	1556.6	1560.2	1577.5	1592.0	1594.7
77.5°	1534.8	1537.5	1560.2	1578.4	1577.5	1561.1	1547.5	1553.0	1570.2	1586.5	1588.3
80°	1524.8	1528.5	1551.2	1568.4	1566.6	1548.4	1535.7	1541.2	1559.3	1576.6	1578.4
82.5°	1512.1	1515.8	1538.5	1553.9	1552.1	1533.0	1520.3	1526.7	1545.7	1563.9	1565.7
85°	1496.7	1500.4	1522.1	1536.6	1533.9	1514.9	1502.2	1507.6	1528.5	1546.6	1548.4
87.5°	1476.8	1480.4	1502.2	1514.9	1512.1	1492.2	1481.3	1488.6	1507.6	1526.7	1527.6
90°	1454.1	1458.6	1477.7	1489.5	1485.8	1467.7	1457.7	1465.0	1484.0	1502.2	1504.0
92.5°	1431.4	1433.2	1451.4	1461.3	1458.6	1442.3	1433.2	1441.4	1458.6	1476.8	1476.8
95°	1404.2	1406.9	1423.2	1431.4	1428.7	1415.1	1406.9	1416.0	1431.4	1448.6	1449.6
97.5°	1375.2	1377.9	1391.5	1399.7	1396.9	1385.2	1379.7	1388.8	1402.4	1418.7	1419.6
100°	1344.3	1346.1	1357.9	1365.2	1362.5	1353.4	1349.8	1358.8	1371.5	1387.0	1387.0
102.5°	1309.9	1311.7	1320.7	1325.3	1324.4	1317.1	1317.1	1327.1	1337.1	1351.6	1353.4
105°	1273.6	1275.4	1281.7	1284.5	1283.6	1280.8	1282.6	1292.6	1300.8	1313.5	1315.3
107.5°	1232.8	1234.6	1238.2	1239.1	1239.1	1239.1	1245.5	1254.5	1263.6	1272.7	1273.6
110°	1189.2	1190.1	1192.8	1191.9	1191.9	1193.8	1202.8	1212.8	1220.1	1229.1	1230.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1142.0	1143.0	1144.8	1141.1	1142.0	1145.7	1157.5	1168.4	1172.9	1182.0	1182.0
115°	1092.2	1091.2	1093.1	1088.5	1087.6	1094.0	1106.7	1119.4	1123.0	1129.3	1130.3
117.5°	1037.7	1038.6	1037.7	1032.3	1031.4	1040.5	1052.2	1064.0	1068.6	1075.8	1074.0
120°	981.5	980.6	981.5	975.1	974.2	984.2	996.0	1007.8	1010.5	1016.9	1015.1
122.5°	924.3	923.4	922.5	916.2	916.2	924.3	938.9	950.6	948.8	956.1	955.2
125°	865.4	865.4	863.6	857.2	857.2	867.2	879.0	889.9	888.1	896.2	893.5
127.5°	807.3	807.3	805.5	800.1	800.1	809.1	820.0	830.9	828.2	835.4	832.7
130°	750.2	750.2	748.4	742.9	742.9	750.2	762.0	771.0	767.4	773.8	772.9
132.5°	695.8	694.8	693.9	688.5	689.4	696.7	705.7	713.9	710.3	717.5	714.8
135°	643.1	642.2	641.3	635.9	636.8	644.0	652.2	658.6	655.8	660.4	659.5
137.5°	593.2	592.3	591.4	586.9	587.8	593.2	601.4	606.9	603.2	609.6	606.9
140°	546.1	545.2	543.4	540.6	541.5	547.0	551.5	557.9	554.2	559.7	557.0
142.5°	500.7	500.7	498.9	496.2	497.1	502.5	506.2	510.7	507.1	511.6	509.8
145°	459.0	459.0	457.2	455.4	455.4	459.9	462.6	467.2	463.5	468.1	466.3
147.5°	420.9	420.9	419.1	417.3	417.3	421.8	423.6	427.2	423.6	427.2	425.4
150°	385.5	385.5	384.6	382.8	383.7	385.5	387.3	390.1	387.3	390.1	389.1
152.5°	354.7	354.7	353.8	352.9	352.0	354.7	355.6	358.3	355.6	358.3	356.5
155°	327.5	326.6	326.6	324.7	324.7	326.6	327.5	329.3	326.6	329.3	328.4
157.5°	303.0	303.0	302.1	301.2	301.2	302.1	303.0	303.9	302.1	304.8	303.0
160°	282.1	282.1	281.2	280.3	280.3	281.2	281.2	282.1	280.3	282.1	281.2
162.5°	264.0	264.0	263.1	263.1	262.2	263.1	264.0	264.0	263.1	264.0	263.1
165°	249.5	249.5	248.5	247.6	247.6	248.5	248.5	249.5	247.6	248.5	248.5
167.5°	235.8	235.8	235.8	234.9	234.0	234.9	234.9	234.9	234.0	234.9	234.9
170°	225.9	225.9	225.9	225.0	224.1	225.0	225.0	225.0	224.1	225.0	225.0
172.5°	217.7	217.7	217.7	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8
175°	212.3	212.3	212.3	212.3	211.4	212.3	212.3	212.3	212.3	212.3	211.4
177.5°	209.5	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6
180°	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7



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.

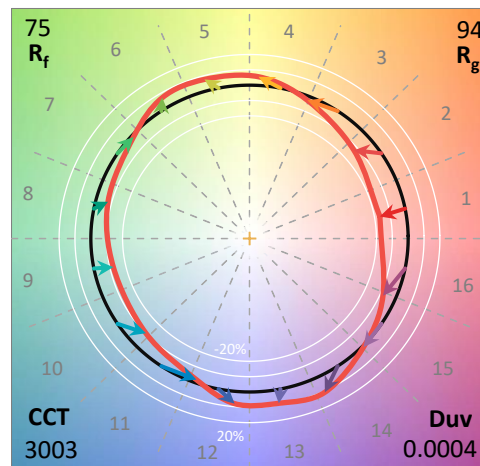
**Test Information**

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**

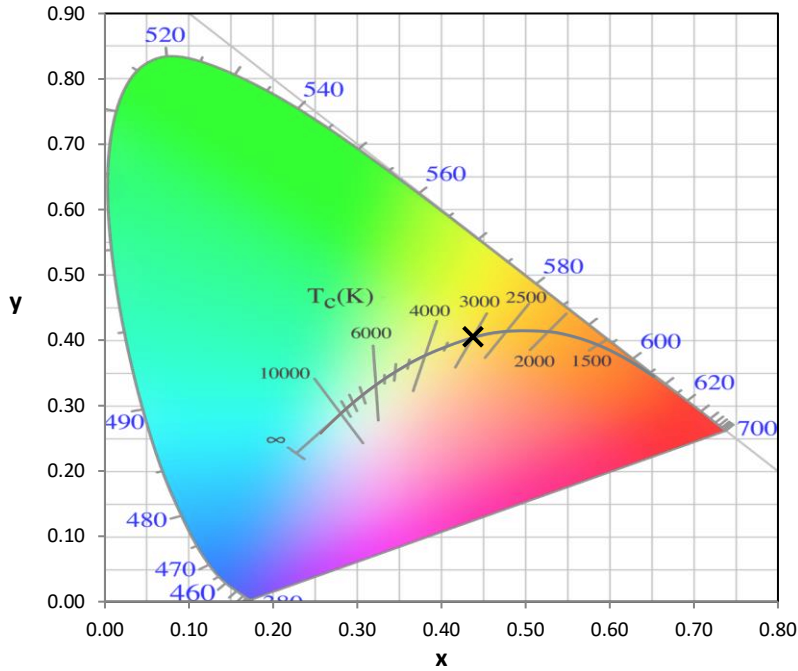
Stabilization Time: 0.794393M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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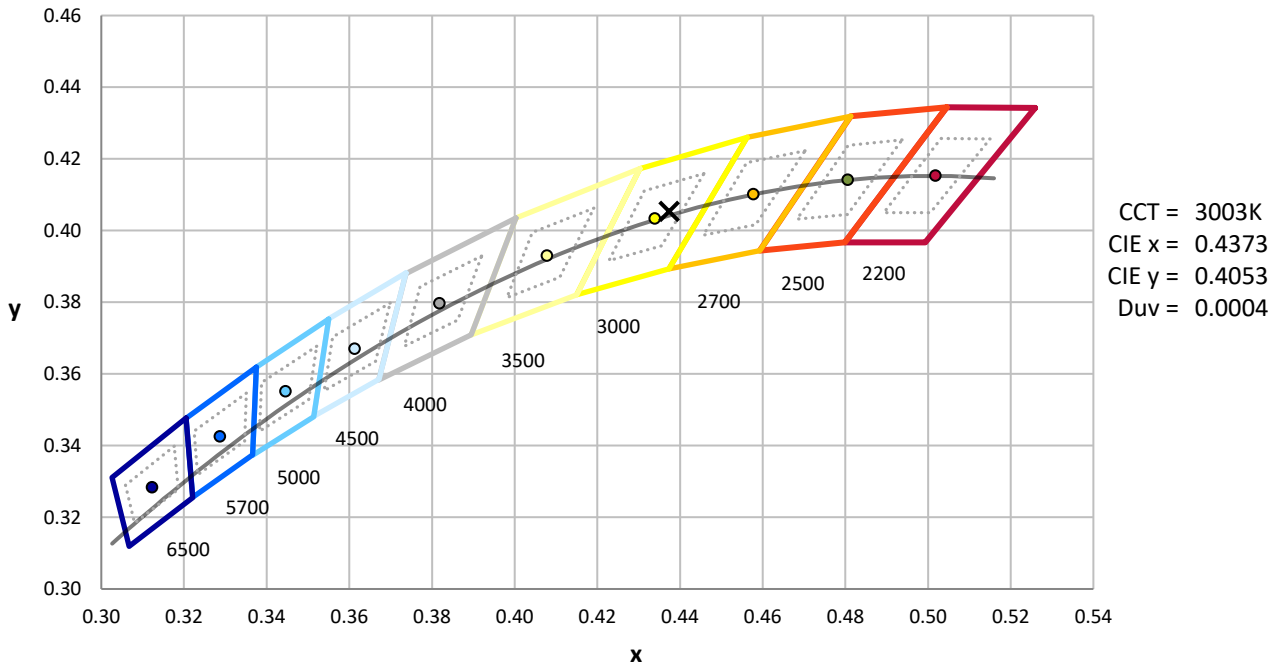
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



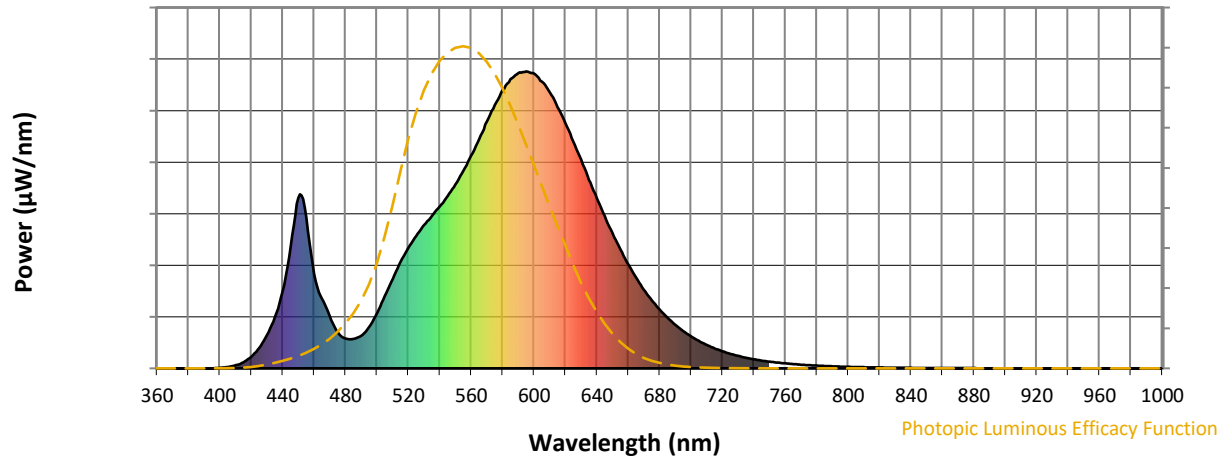
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

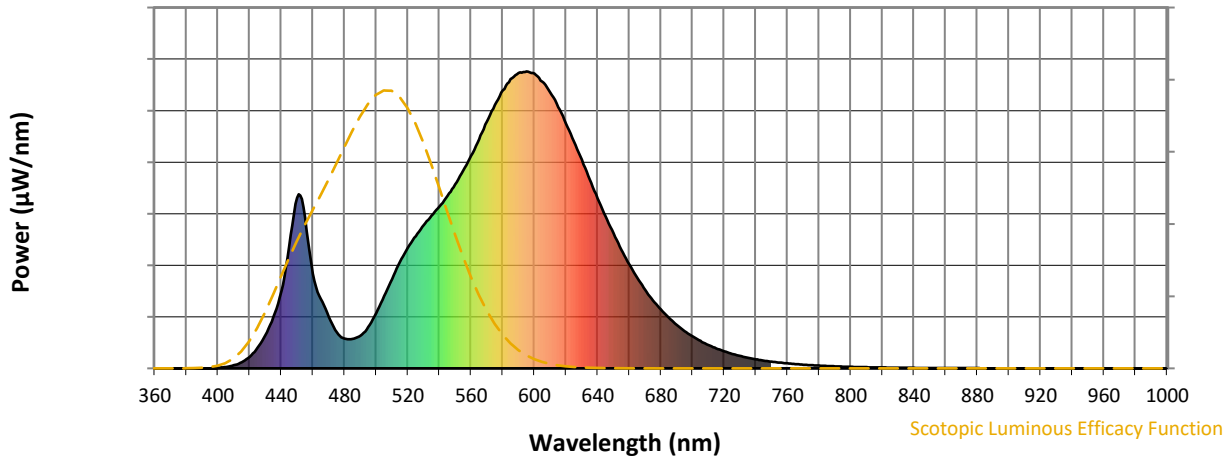


**Photopic Lumens: NR**

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



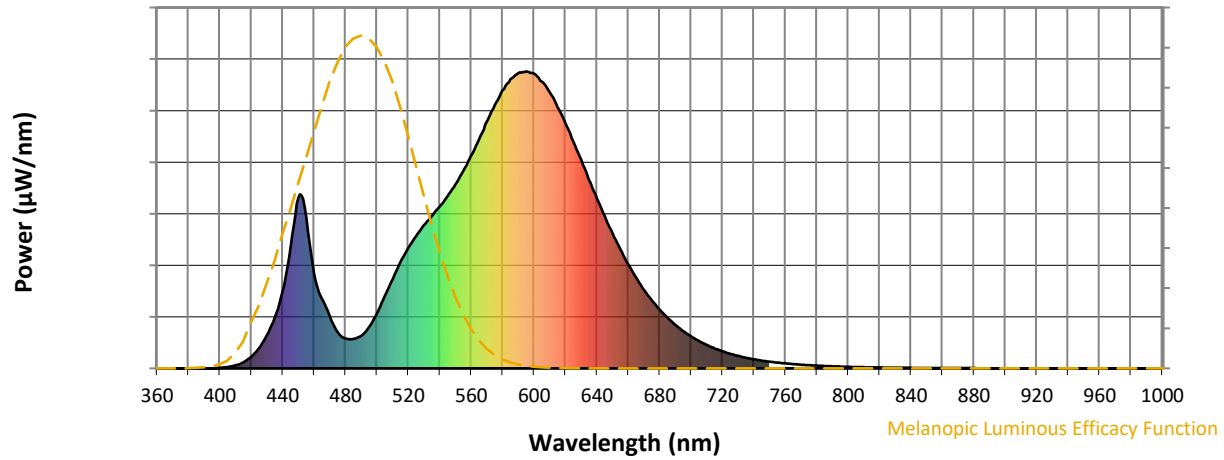
Scotopic Lumens: NR

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

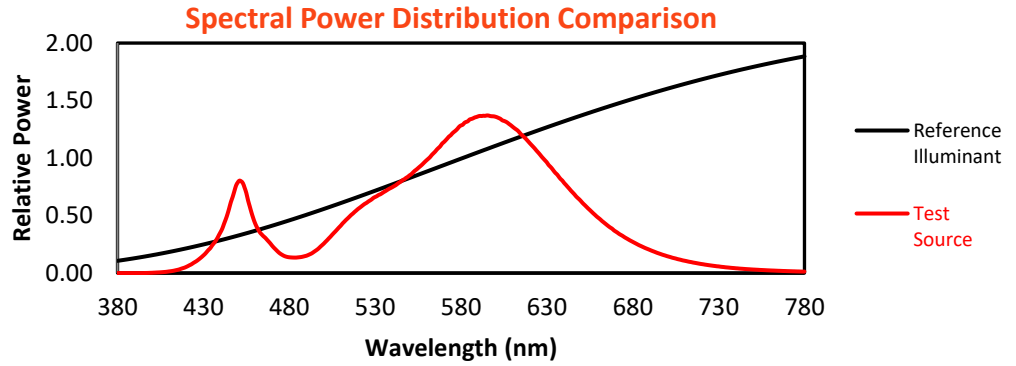
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625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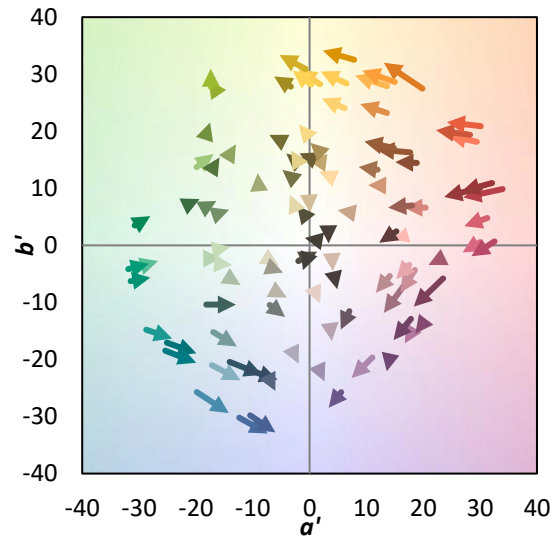
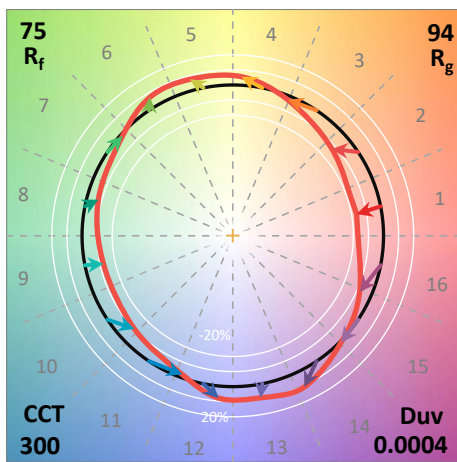
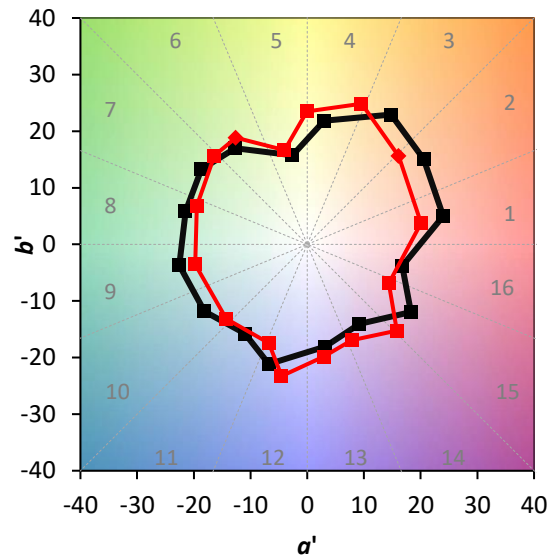
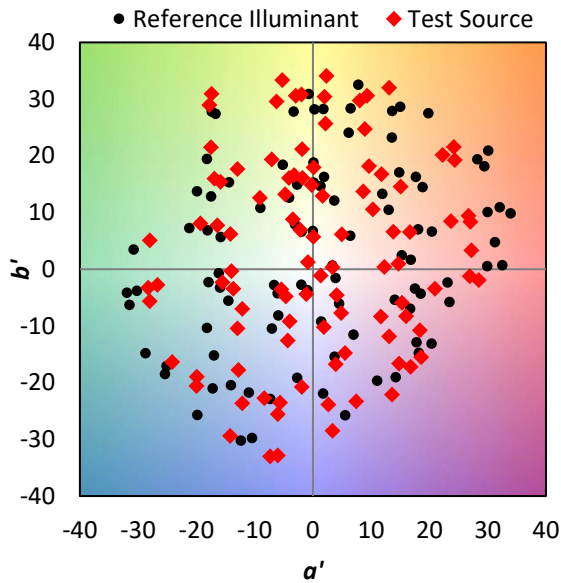
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**Summary**

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



**Color Vector Graphics**



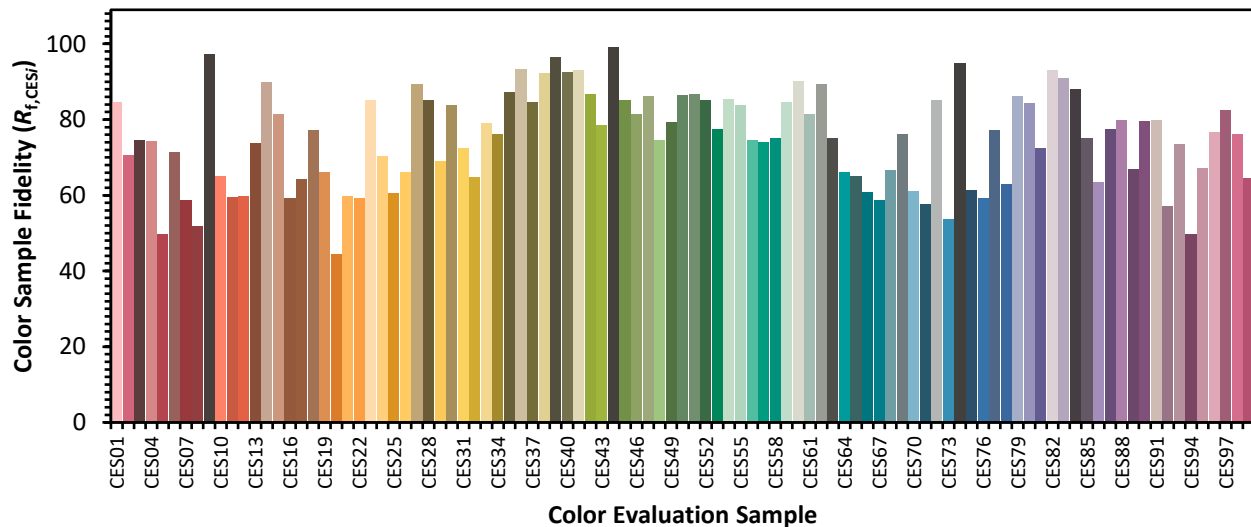


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

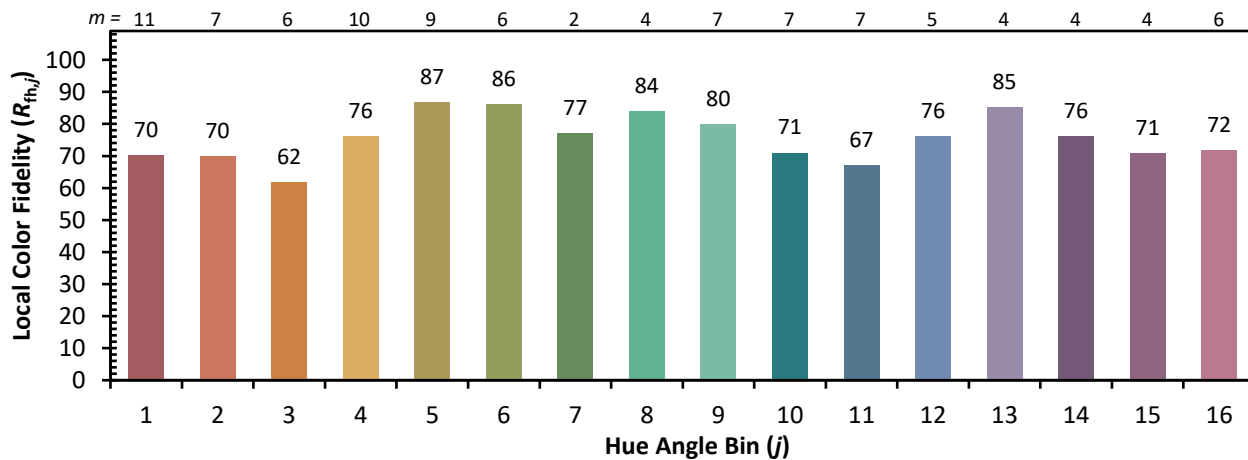
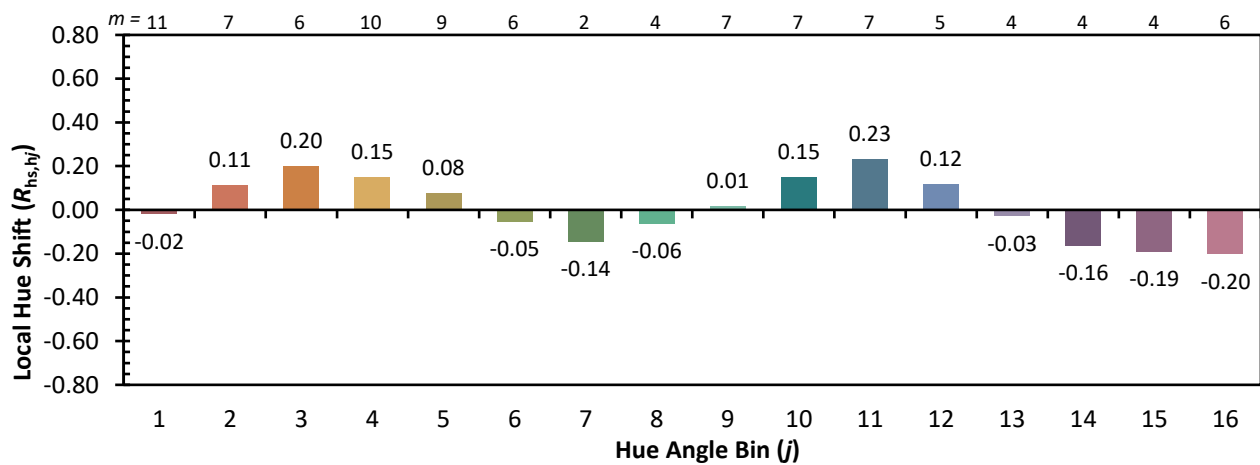
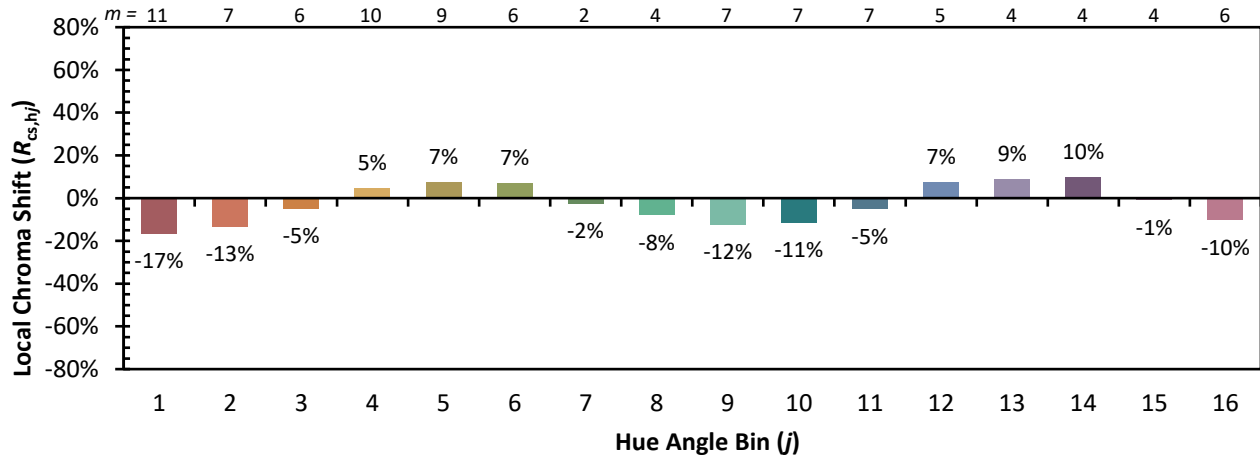
CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 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	



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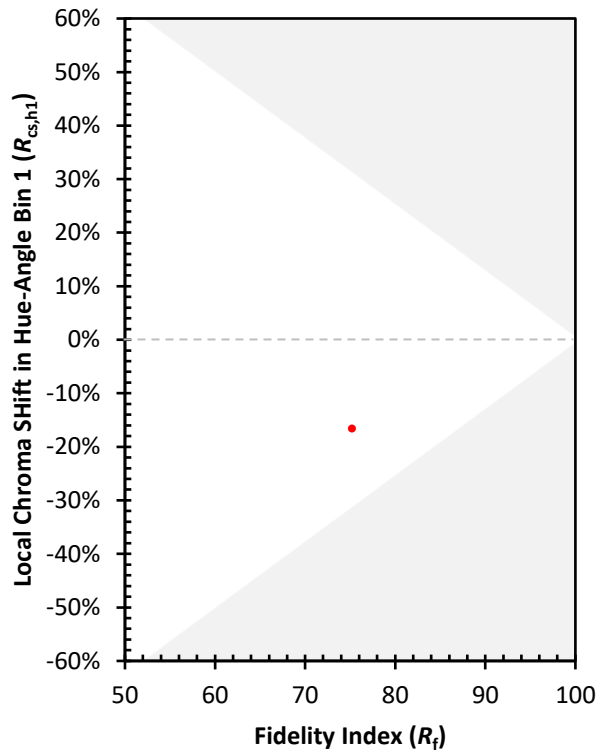
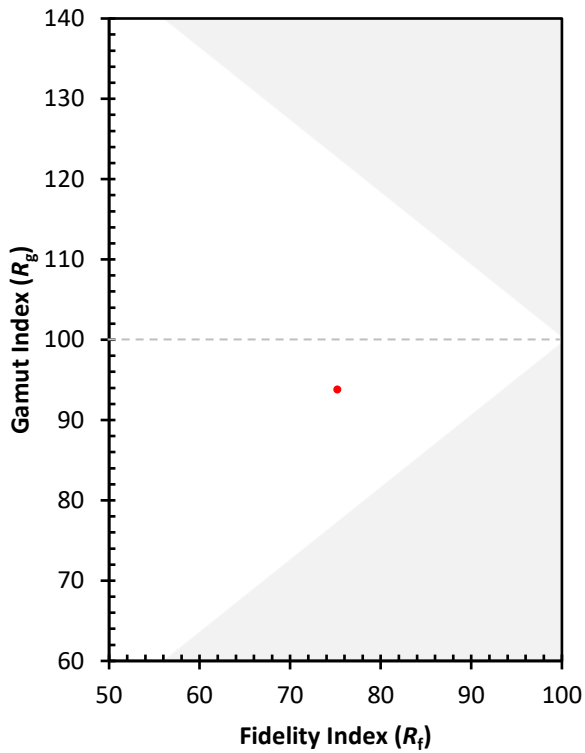
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)