

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: P856345

Luminaire Tested: **FFX-CLB-90-730-U-VM8**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856345  
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-VM8  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

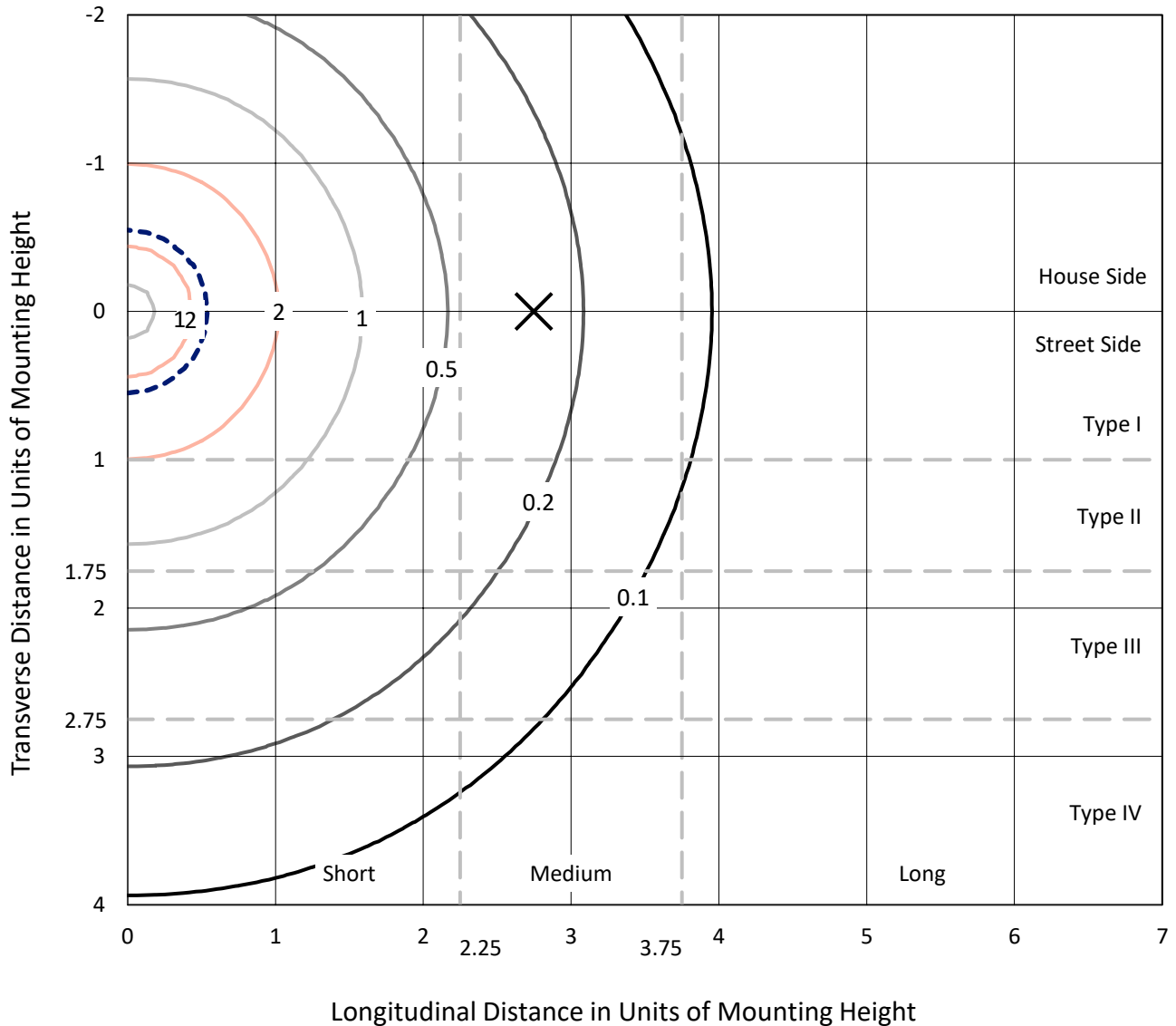
Lumens per Lamp: N/A  
Luminaire Lumens: 14151.6 lumens  
Efficiency: N/A  
Efficacy: 156.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G5

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

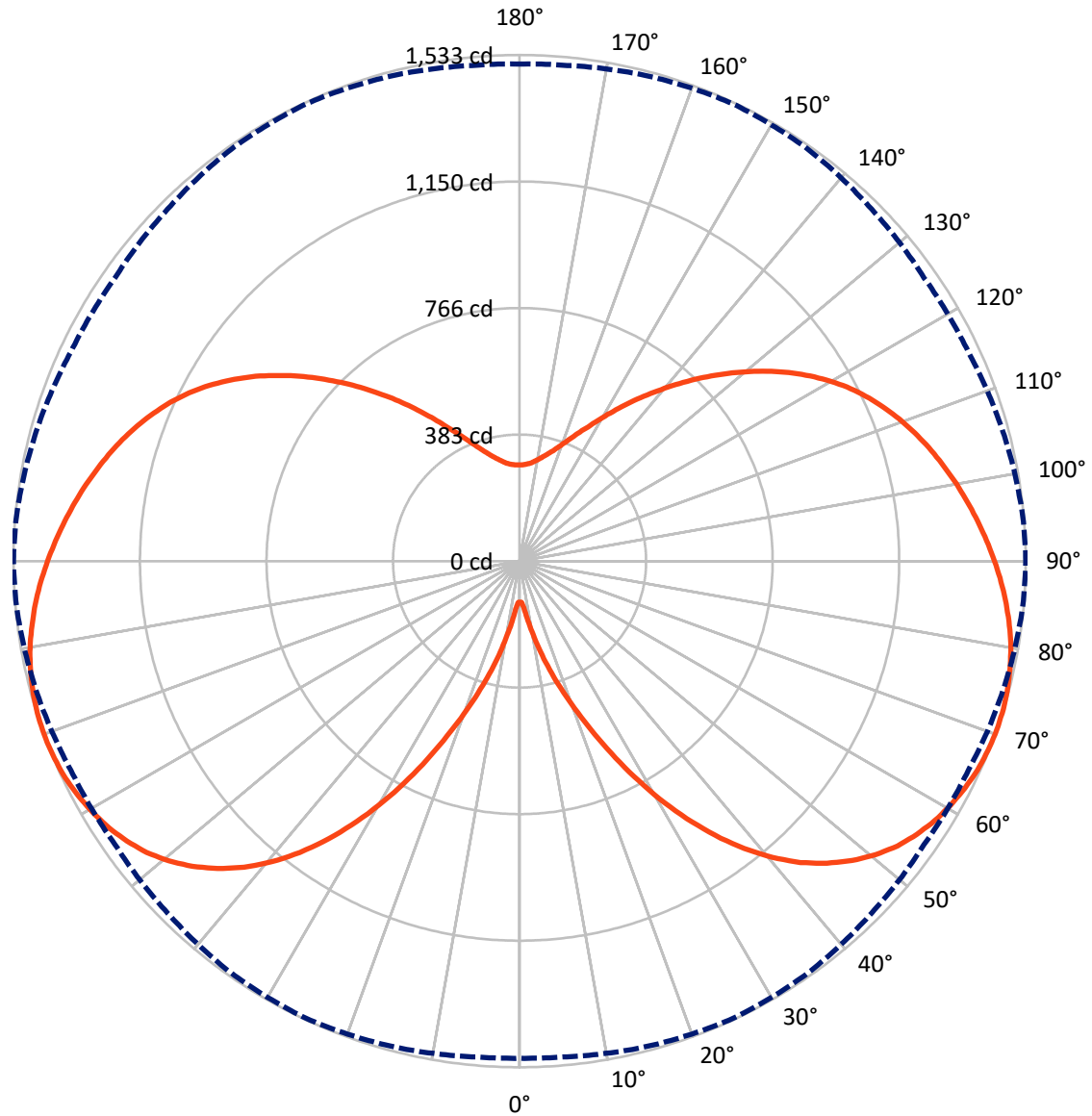
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Vertical

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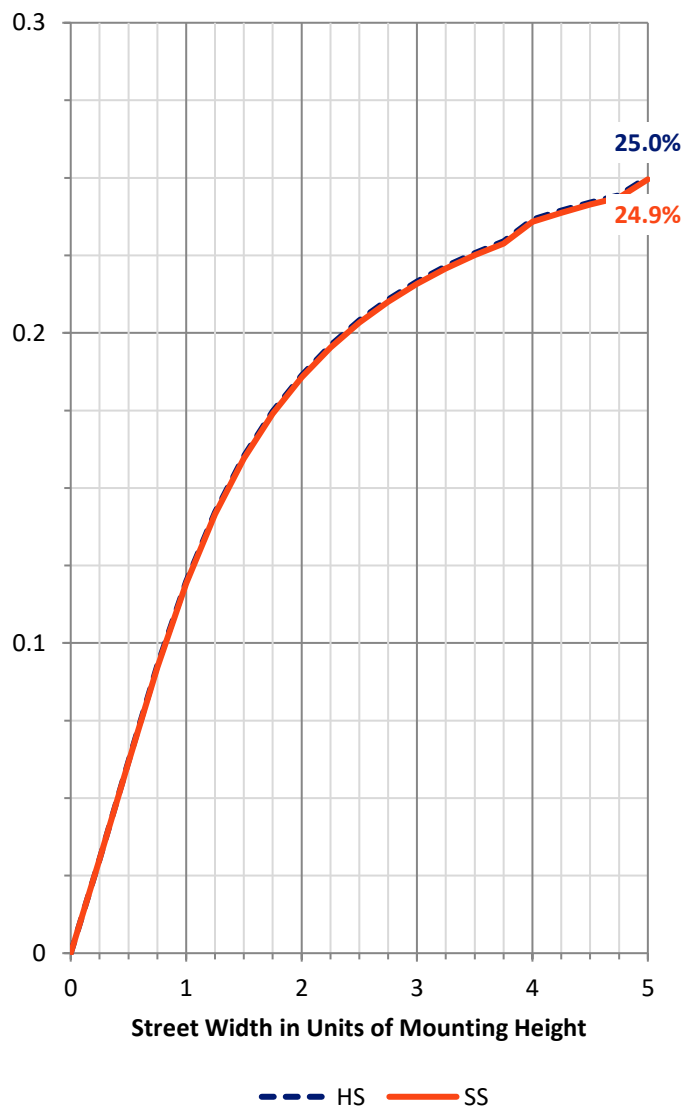
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4007.6	3068.2	7075.8
	% Fixture	28.3	21.7	50.0
<b>Street Side</b>	Lumens	4007.6	3068.2	7075.8
	% Fixture	28.3	21.7	50.0
<b>Total</b>	Lumens	8015.2	6136.4	14151.6
	% Fixture	56.6	43.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.6	0.1
10°-20°	101.3	0.7
20°-30°	302.3	2.1
30°-40°	632.1	4.5
40°-50°	992.0	7.0
50°-60°	1287.7	9.1
60°-70°	1490.6	10.5
70°-80°	1595.7	11.3
80°-90°	1597.0	11.3
90°-100°	1506.1	10.6
100°-110°	1347.6	9.5
110°-120°	1133.1	8.0
120°-130°	869.1	6.1
130°-140°	594.6	4.2
140°-150°	362.8	2.6
150°-160°	198.3	1.4
160°-170°	96.1	0.7
170°-180°	28.6	0.2
0°-90°	8015.2	56.6
0°-180°	14151.6	100.0

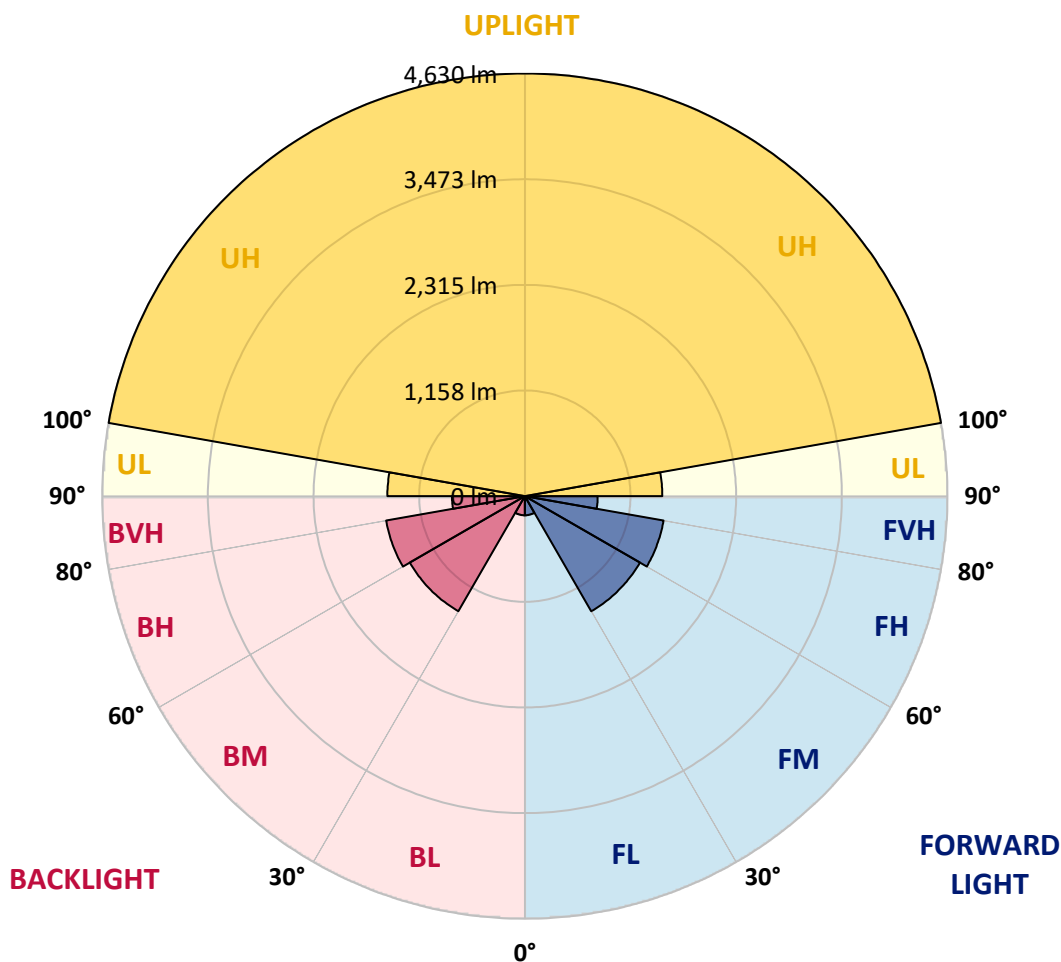


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.1	1.5			
FM (30°-60°)	1455.9	10.3			
FH (60°-80°)	1543.1	10.9			G1/1800
FVH (80°-90°)	798.5	5.6			G5
BL (0°-30°)	210.1	1.5	B1/500		
BM (30°-60°)	1455.9	10.3	B2/2500		
BH (60°-80°)	1543.1	10.9	B3/2500		G1/1800
BVH (80°-90°)	798.5	5.6			G5
UL (90°-100°)	1506.1	10.6		U5	
UH (100°-180°)	4630.3	32.7		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°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	129.7	129.7	128.8	128.8	127.9	127.0	127.0	127.0	126.1	126.1	125.2
5°	147.8	146.9	146.9	146.0	146.9	146.0	146.0	146.0	146.0	144.2	144.2
7.5°	183.2	182.3	182.3	181.4	183.2	181.4	181.4	182.3	182.3	181.4	181.4
10°	229.5	228.6	228.6	226.7	228.6	227.6	227.6	225.8	226.7	225.8	226.7
12.5°	284.8	282.1	282.1	281.2	283.0	282.1	281.2	279.3	281.2	280.3	280.3
15°	341.9	342.8	341.9	341.0	342.8	342.8	341.9	340.1	341.9	340.1	341.0
17.5°	405.4	405.4	405.4	402.7	405.4	406.3	405.4	403.6	404.5	405.4	405.4
20°	474.3	474.3	475.2	473.4	478.0	475.2	474.3	473.4	474.3	475.2	476.2
22.5°	550.5	550.5	551.4	550.5	553.2	553.2	552.3	552.3	553.2	555.1	555.1
25°	634.9	635.8	635.8	633.1	639.4	641.2	639.4	639.4	641.2	643.9	643.9
27.5°	721.9	725.6	723.8	723.8	731.9	732.8	731.9	732.8	735.5	738.3	739.2
30°	811.7	814.4	818.1	815.4	824.4	825.3	826.2	827.1	830.8	835.3	835.3
32.5°	901.5	904.2	906.1	906.1	917.8	916.9	916.0	919.7	925.1	926.9	929.6
35°	991.3	991.3	993.1	994.0	1005.8	1004.9	1006.7	1009.4	1014.9	1018.5	1020.3
37.5°	1072.0	1070.2	1074.7	1076.6	1085.6	1086.5	1087.4	1092.0	1098.3	1102.9	1104.7
40°	1145.5	1143.7	1149.1	1151.8	1160.0	1160.0	1161.8	1167.3	1174.5	1179.0	1180.0
42.5°	1210.8	1209.9	1215.3	1219.0	1227.1	1226.2	1225.3	1232.6	1240.7	1246.2	1248.0
45°	1267.0	1266.1	1273.4	1277.9	1284.3	1282.4	1282.4	1288.8	1297.9	1304.2	1305.1
47.5°	1315.1	1315.1	1323.3	1328.7	1334.1	1331.4	1329.6	1336.0	1345.0	1354.1	1355.0
50°	1357.7	1356.8	1365.9	1372.2	1376.8	1373.1	1370.4	1376.8	1386.7	1395.8	1397.6
52.5°	1391.3	1393.1	1402.2	1410.3	1414.0	1408.5	1404.0	1410.3	1421.2	1431.2	1433.0
55°	1420.3	1421.2	1431.2	1441.2	1443.0	1435.7	1430.3	1435.7	1447.5	1458.4	1460.2
57.5°	1443.0	1444.8	1456.6	1465.6	1466.6	1458.4	1452.0	1456.6	1469.3	1480.2	1482.9
60°	1462.9	1464.7	1475.6	1485.6	1486.5	1476.5	1468.4	1472.0	1485.6	1498.3	1500.1
62.5°	1478.3	1481.1	1492.9	1501.9	1501.9	1490.1	1480.2	1483.8	1498.3	1511.9	1513.7
65°	1491.0	1493.8	1505.6	1514.6	1513.7	1500.1	1489.2	1492.9	1508.3	1521.9	1524.6
67.5°	1500.1	1501.9	1514.6	1523.7	1520.1	1505.6	1494.7	1497.4	1513.7	1527.3	1530.0
70°	1505.6	1507.4	1520.1	1528.2	1522.8	1507.4	1495.6	1499.2	1515.5	1530.0	1532.8
72.5°	1508.3	1511.0	1522.8	1530.0	1523.7	1506.5	1493.8	1498.3	1514.6	1530.0	1531.9
75°	1507.4	1509.2	1521.0	1527.3	1519.2	1502.8	1489.2	1493.8	1511.0	1524.6	1527.3
77.5°	1502.8	1504.6	1515.5	1521.0	1511.0	1494.7	1482.0	1486.5	1502.8	1516.4	1519.2
80°	1495.6	1497.4	1507.4	1511.0	1501.0	1484.7	1472.9	1477.4	1492.9	1505.6	1508.3
82.5°	1483.8	1486.5	1495.6	1497.4	1486.5	1472.0	1460.2	1464.7	1479.3	1491.0	1492.9
85°	1469.3	1471.1	1479.3	1480.2	1469.3	1456.6	1446.6	1451.1	1463.8	1472.9	1475.6
87.5°	1452.9	1452.9	1461.1	1461.1	1449.3	1437.5	1430.3	1433.9	1445.7	1452.9	1455.7
90°	1433.0	1433.9	1439.3	1438.4	1427.6	1417.6	1411.2	1415.8	1425.7	1432.1	1433.9
92.5°	1411.2	1412.1	1416.7	1414.9	1404.0	1395.8	1390.4	1395.8	1404.9	1409.4	1411.2
95°	1387.6	1388.6	1392.2	1388.6	1378.6	1372.2	1367.7	1374.0	1381.3	1385.8	1387.6
97.5°	1363.2	1364.1	1366.8	1363.2	1352.3	1346.8	1345.0	1350.5	1357.7	1361.3	1363.2
100°	1337.8	1337.8	1339.6	1334.1	1325.1	1320.5	1319.6	1326.0	1333.2	1336.9	1338.7
102.5°	1309.6	1310.6	1310.6	1305.1	1296.0	1293.3	1293.3	1300.6	1307.8	1310.6	1312.4
105°	1280.6	1280.6	1280.6	1276.1	1266.1	1264.3	1265.2	1272.5	1280.6	1284.3	1286.1
107.5°	1248.9	1249.8	1248.0	1243.4	1235.3	1233.5	1235.3	1245.3	1252.5	1256.1	1258.0
110°	1215.3	1216.2	1215.3	1209.9	1202.6	1201.7	1204.4	1214.4	1221.7	1225.3	1228.0



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 CATALOG NUMBER: FFX-CLB-90-730-U-VM8

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1180.0	1180.9	1180.0	1175.4	1168.2	1168.2	1171.8	1181.8	1189.9	1192.7	1195.4
115°	1142.8	1143.7	1141.9	1138.2	1131.0	1132.8	1136.4	1146.4	1154.6	1157.3	1160.9
117.5°	1102.9	1103.8	1102.9	1098.3	1092.0	1093.8	1099.2	1109.2	1116.5	1119.2	1122.8
120°	1059.3	1059.3	1059.3	1054.8	1048.4	1052.1	1057.5	1068.4	1074.7	1076.6	1080.2
122.5°	1014.9	1013.1	1013.1	1010.4	1003.1	1007.6	1013.1	1024.0	1030.3	1031.2	1033.9
125°	965.9	966.8	964.1	962.3	955.9	961.4	965.9	976.8	982.2	983.1	985.9
127.5°	913.3	916.0	913.3	910.6	906.1	911.5	916.9	926.9	931.4	932.4	934.2
130°	864.3	864.3	861.6	859.8	855.3	860.7	866.1	875.2	879.8	879.8	881.6
132.5°	815.4	812.6	811.7	809.9	804.5	810.8	814.4	823.5	827.1	826.2	828.1
135°	761.8	761.8	759.1	758.2	753.7	760.0	763.7	771.8	774.5	773.6	775.5
137.5°	712.0	712.0	710.1	708.3	705.6	711.1	714.7	721.0	723.8	721.0	723.8
140°	663.0	663.0	662.1	660.3	657.5	663.0	665.7	671.2	673.9	671.2	673.0
142.5°	617.6	615.8	614.9	614.0	610.4	615.8	617.6	623.1	624.0	622.2	624.9
145°	569.6	570.5	569.6	568.7	565.9	570.5	572.3	576.8	577.7	575.9	578.6
147.5°	529.7	526.9	527.9	526.9	524.2	528.8	529.7	532.4	534.2	532.4	534.2
150°	489.8	487.9	487.9	487.0	485.2	488.9	489.8	492.5	493.4	491.6	493.4
152.5°	454.4	453.5	453.5	452.6	450.8	453.5	454.4	456.2	457.1	455.3	456.2
155°	422.6	421.7	421.7	420.8	419.0	421.7	421.7	423.6	424.5	423.6	424.5
157.5°	394.5	393.6	393.6	393.6	391.8	393.6	393.6	395.4	395.4	394.5	395.4
160°	371.9	370.0	370.9	370.0	368.2	370.0	370.0	370.9	370.9	370.9	370.9
162.5°	351.0	351.0	351.0	350.1	349.2	350.1	350.1	351.0	351.0	351.0	350.1
165°	334.7	334.7	334.7	333.8	332.9	333.8	333.8	333.8	333.8	333.8	333.8
167.5°	321.1	320.2	321.1	320.2	319.2	320.2	320.2	320.2	320.2	320.2	320.2
170°	309.3	309.3	309.3	309.3	308.4	309.3	309.3	309.3	309.3	309.3	309.3
172.5°	302.0	301.1	301.1	301.1	300.2	301.1	300.2	301.1	300.2	301.1	300.2
175°	295.7	295.7	295.7	295.7	294.8	294.8	294.8	294.8	294.8	294.8	294.8
177.5°	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0
180°	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1



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.

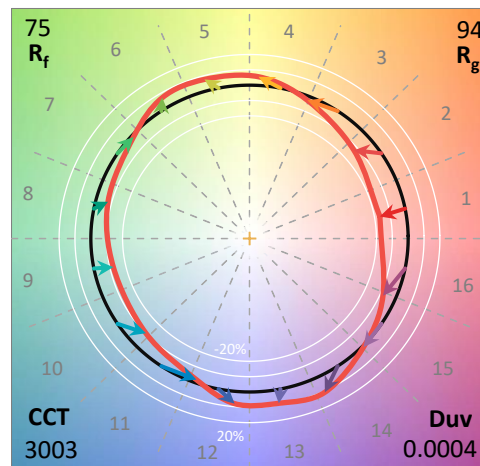
**Test Information**

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**

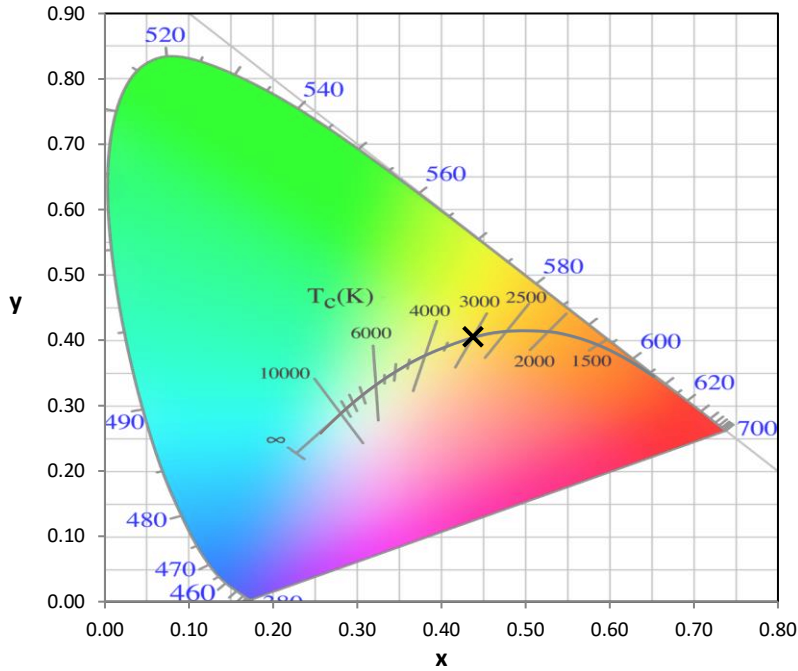
Stabilization Time: 0.794393M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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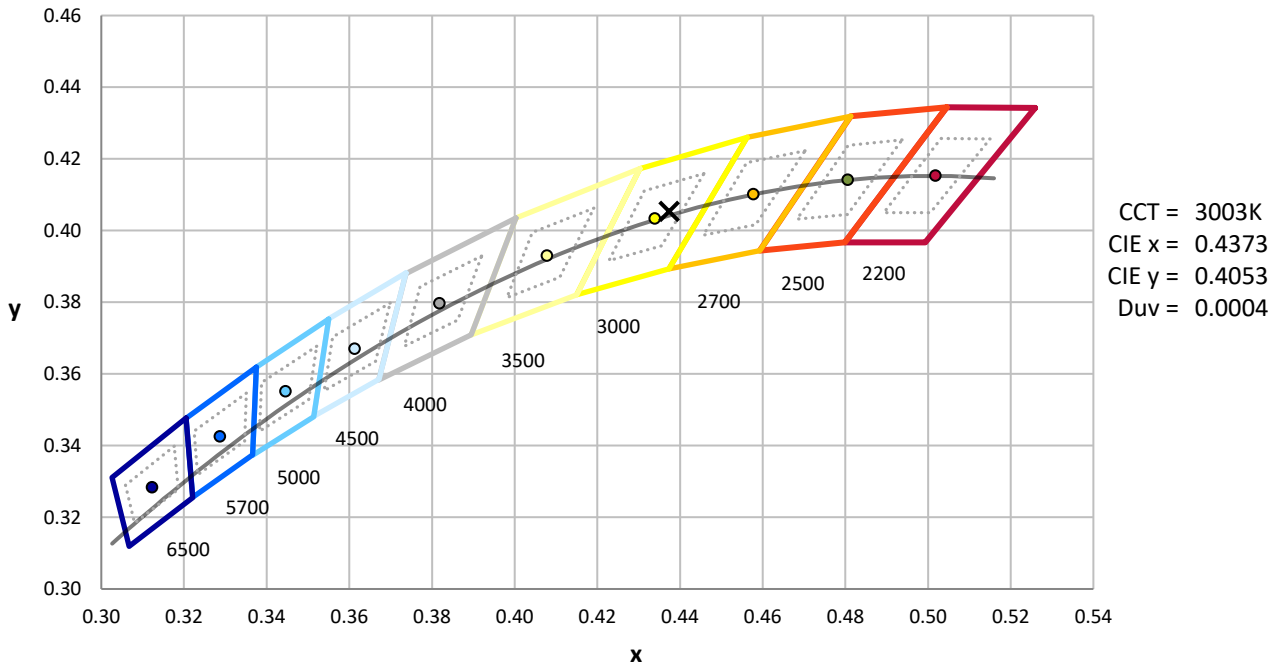
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



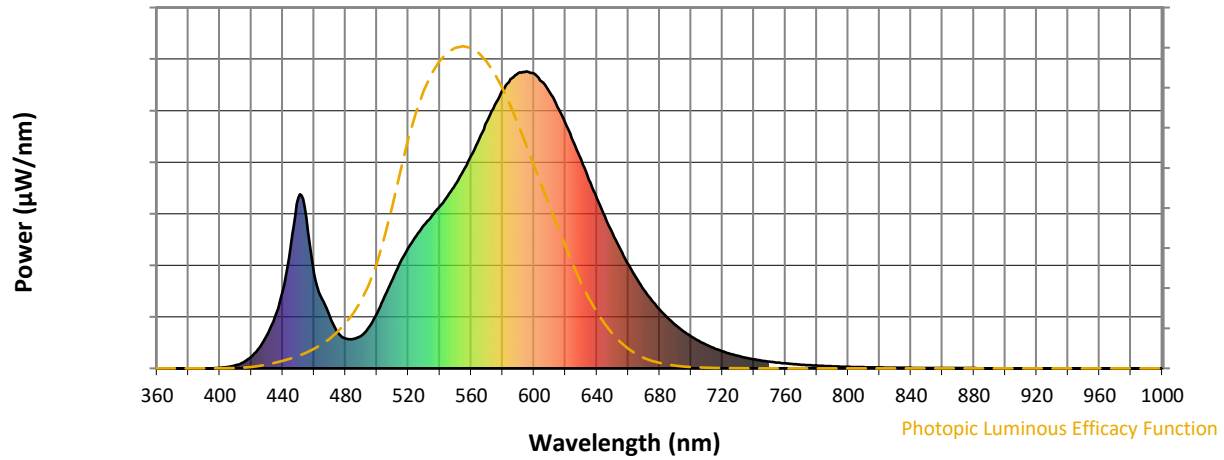
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

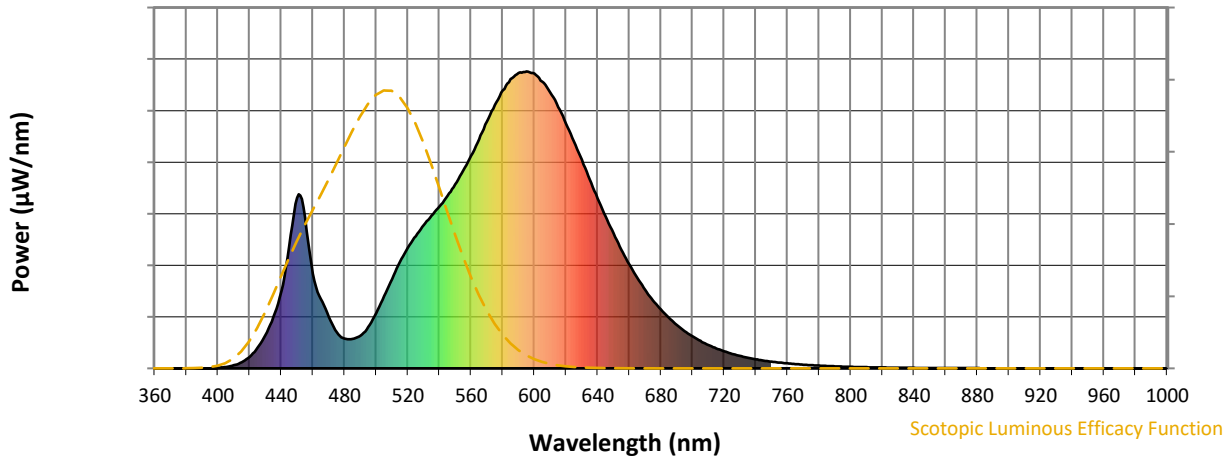


**Photopic Lumens: NR**

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



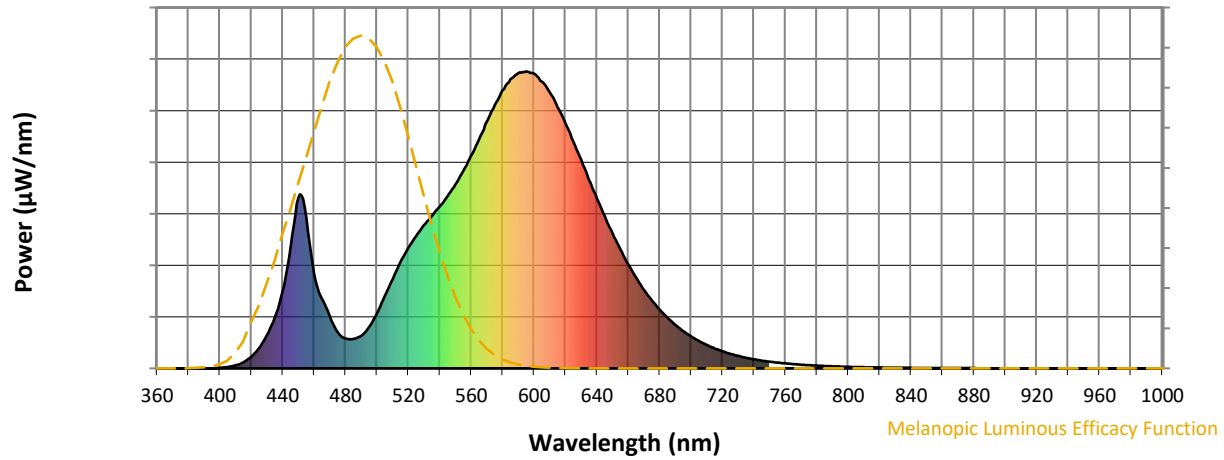
Scotopic Lumens: NR

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

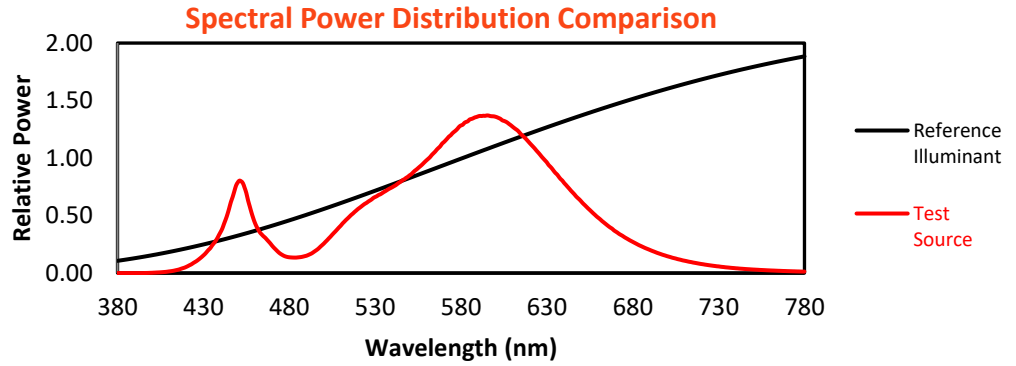
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625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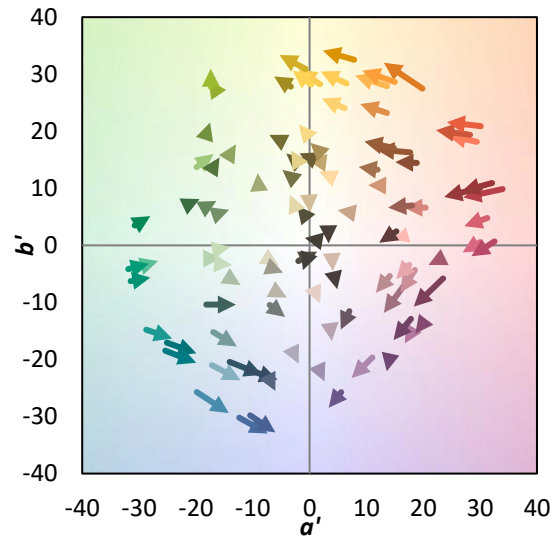
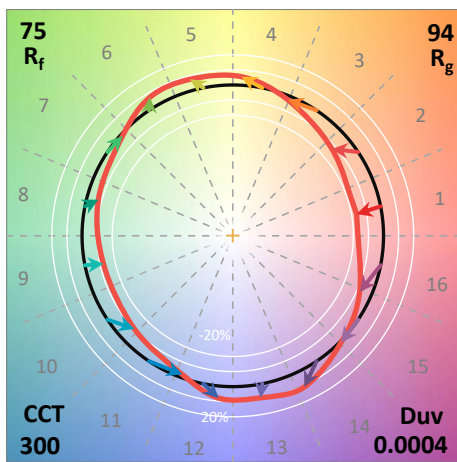
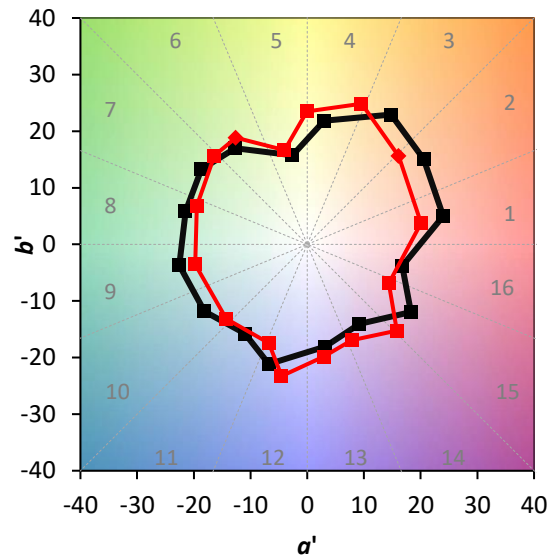
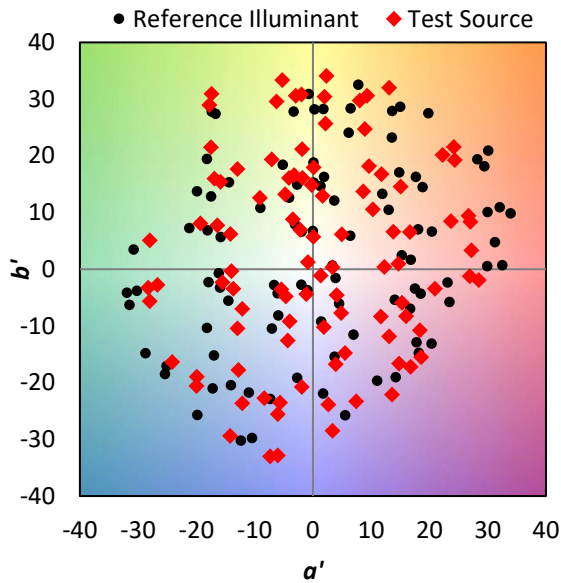
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**Summary**

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



**Color Vector Graphics**



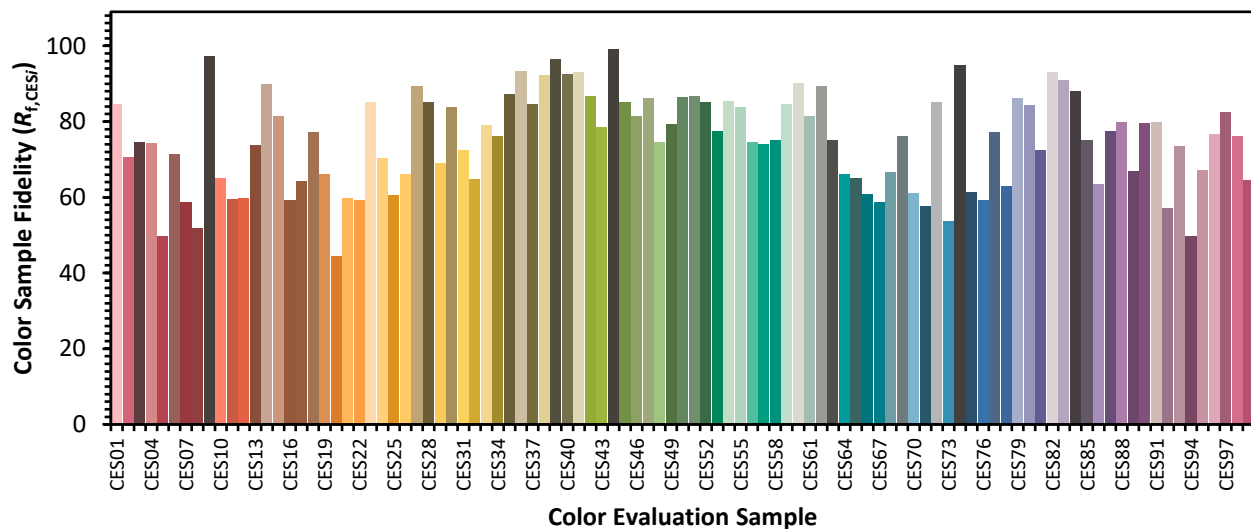


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

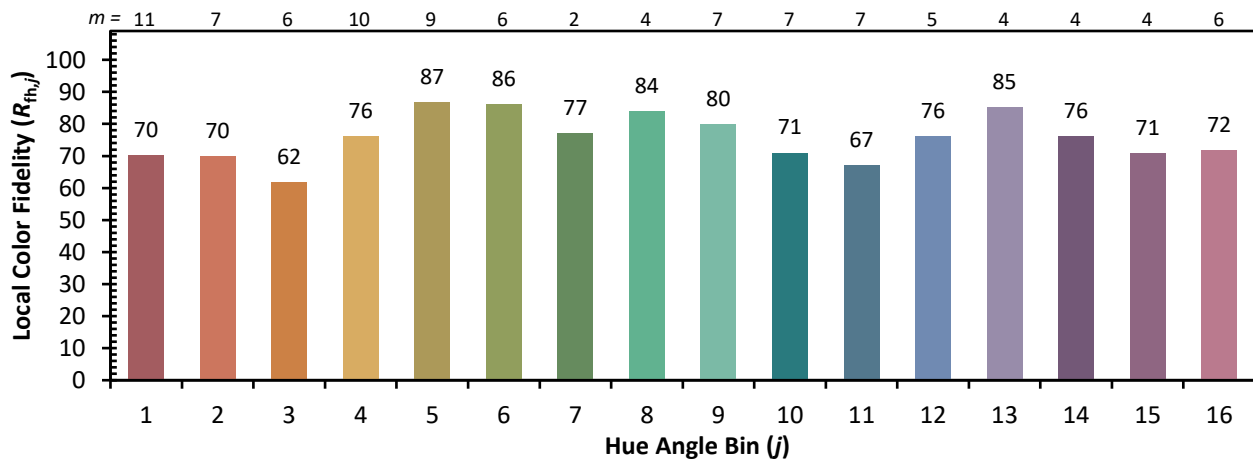
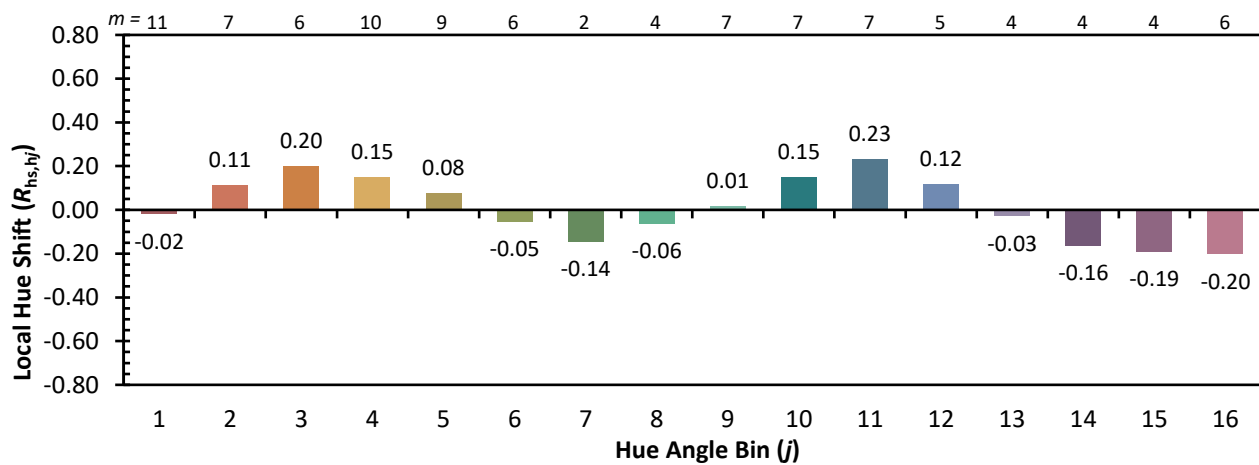
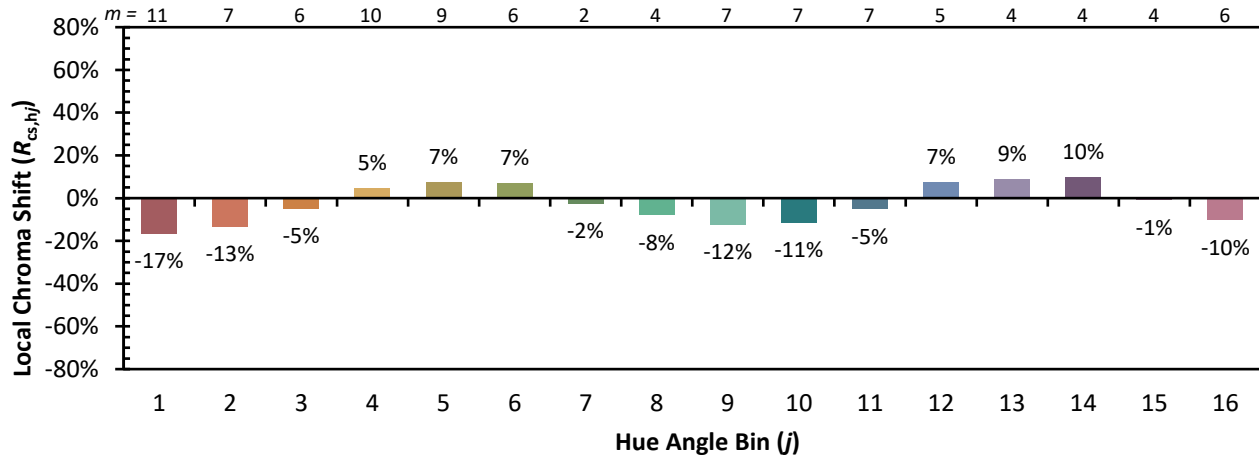
CES01 = 86	CES26 = 66	CES51 = 87	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82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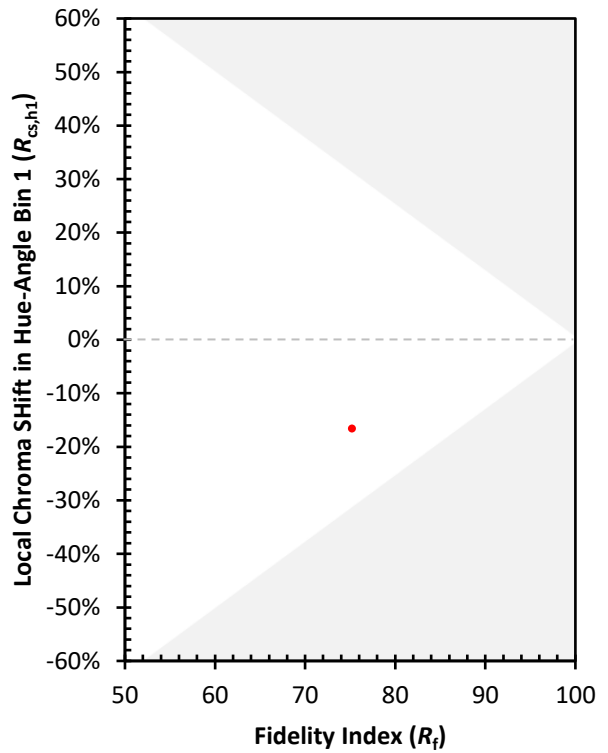
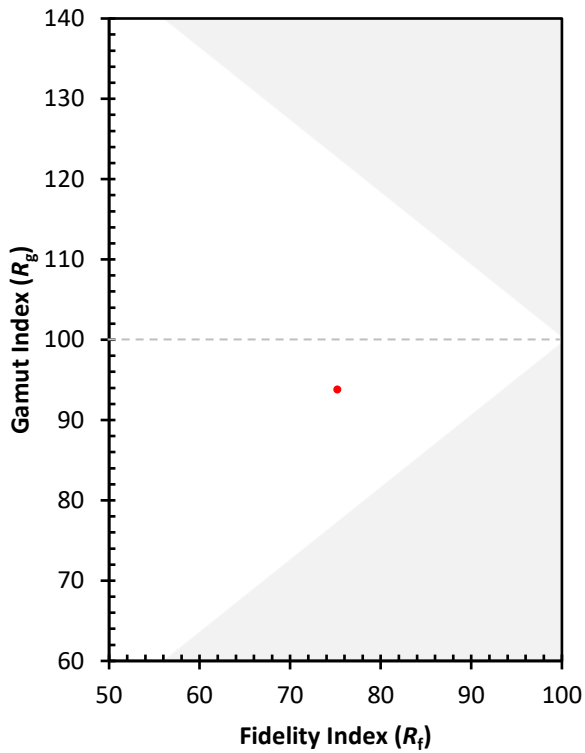
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)