

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: P856362

Luminaire Tested: **FFX-CLB-100-750-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856362
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-100-750-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

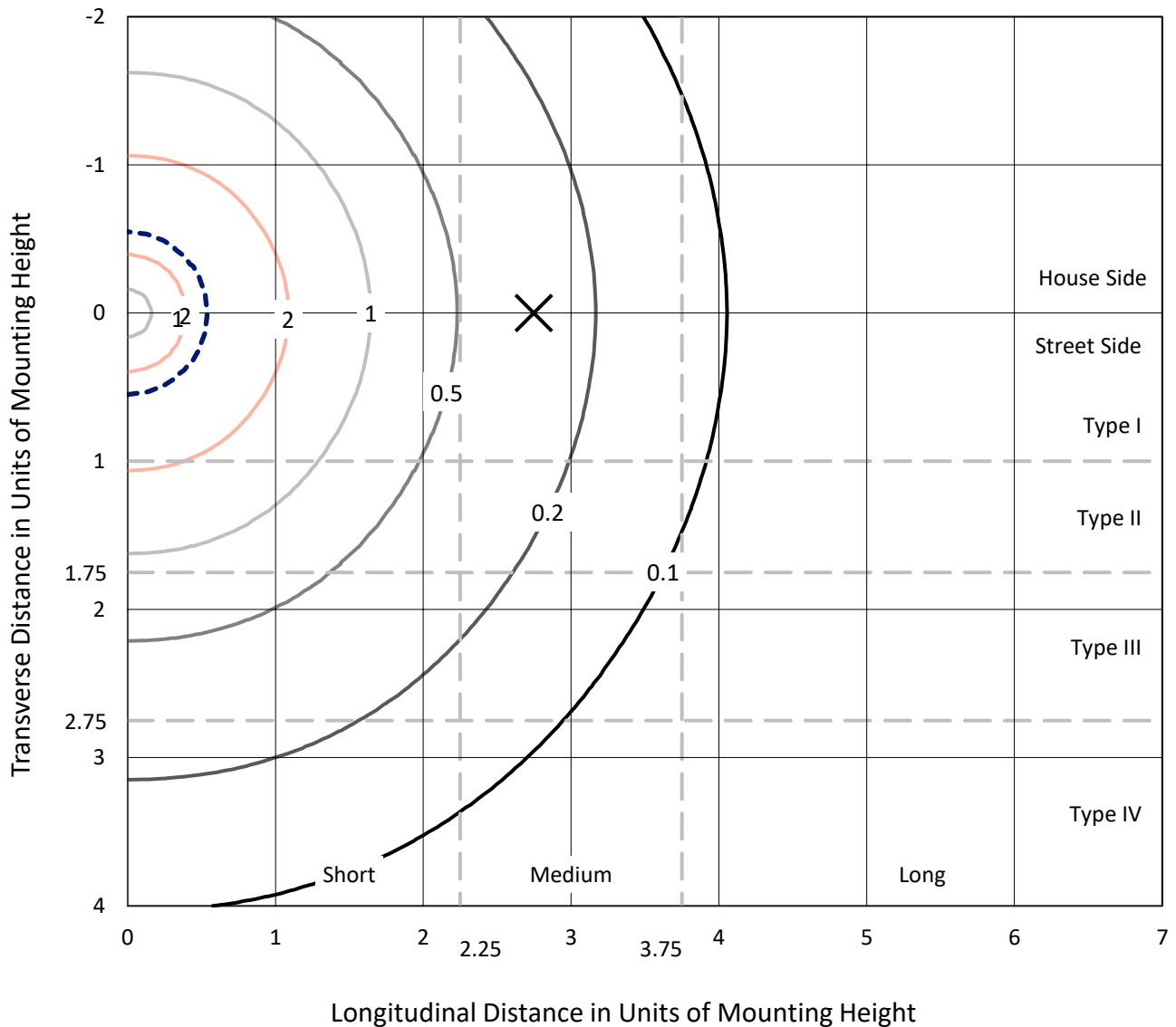
Lumens per Lamp: N/A
Luminaire Lumens: 15211.5 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

Input Watts (W): 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

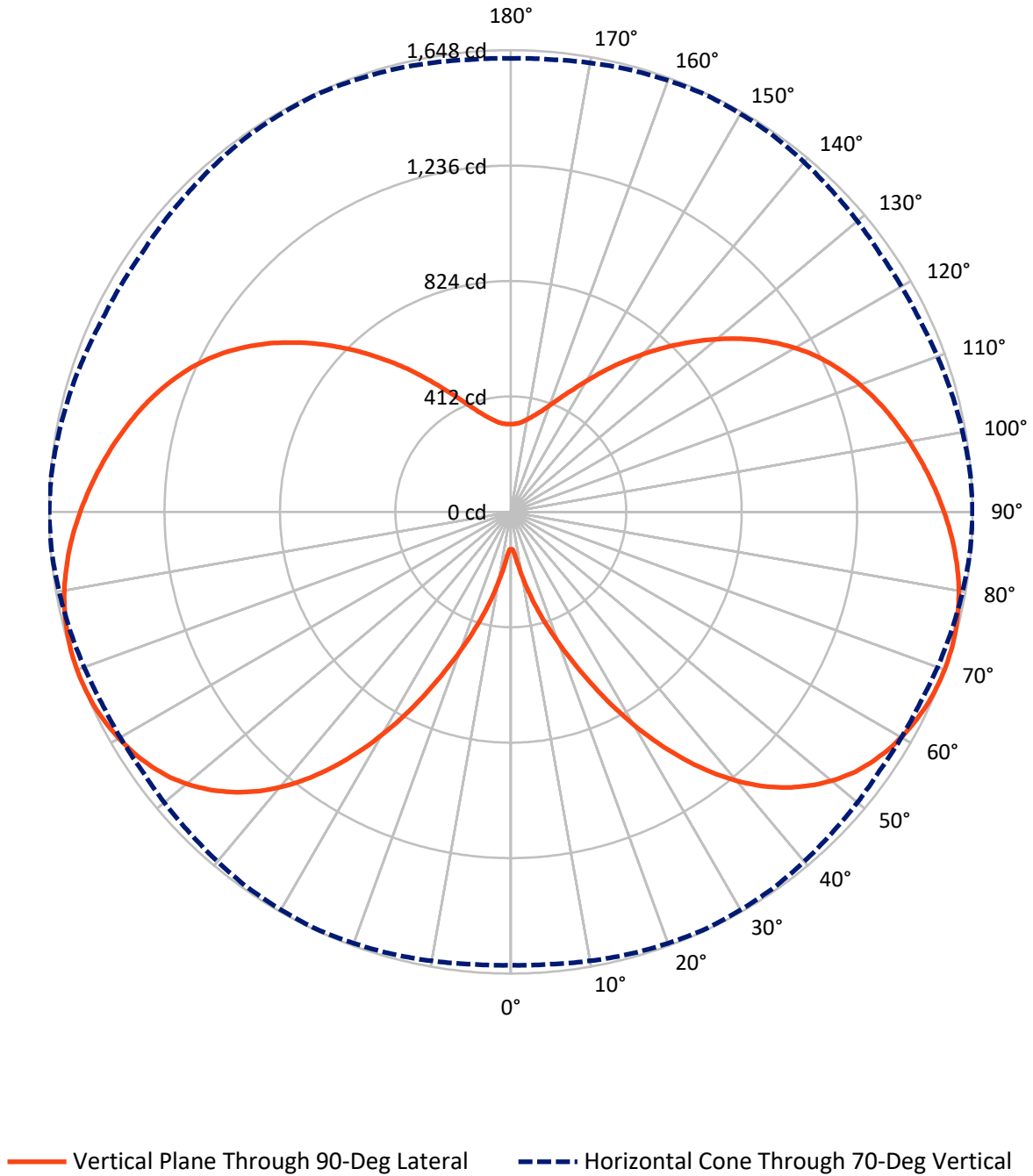
× Max cd
 - - - 1/2 Max cd



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



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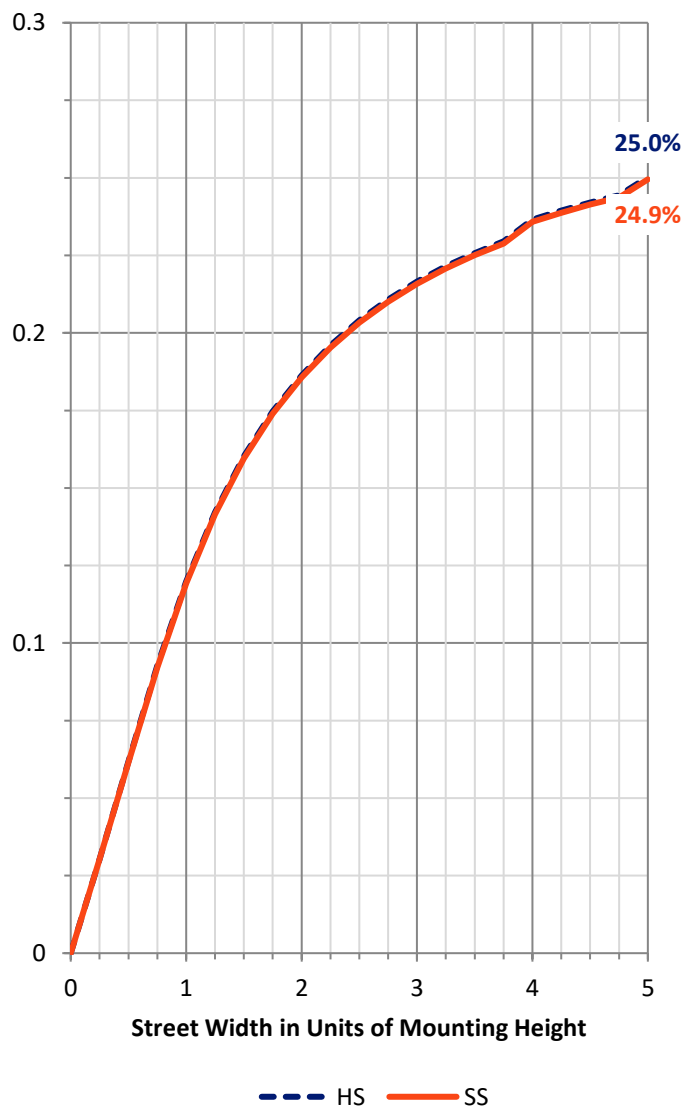
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4307.8	3298.0	7605.8
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	4307.8	3298.0	7605.8
	% Fixture	28.3	21.7	50.0
Total	Lumens	8615.5	6596.0	15211.5
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	0.1
10°-20°	108.9	0.7
20°-30°	324.9	2.1
30°-40°	679.4	4.5
40°-50°	1066.3	7.0
50°-60°	1384.1	9.1
60°-70°	1602.2	10.5
70°-80°	1715.2	11.3
80°-90°	1716.6	11.3
90°-100°	1618.9	10.6
100°-110°	1448.5	9.5
110°-120°	1217.9	8.0
120°-130°	934.2	6.1
130°-140°	639.2	4.2
140°-150°	390.0	2.6
150°-160°	213.2	1.4
160°-170°	103.3	0.7
170°-180°	30.8	0.2
0°-90°	8615.5	56.6
0°-180°	15211.5	100.0



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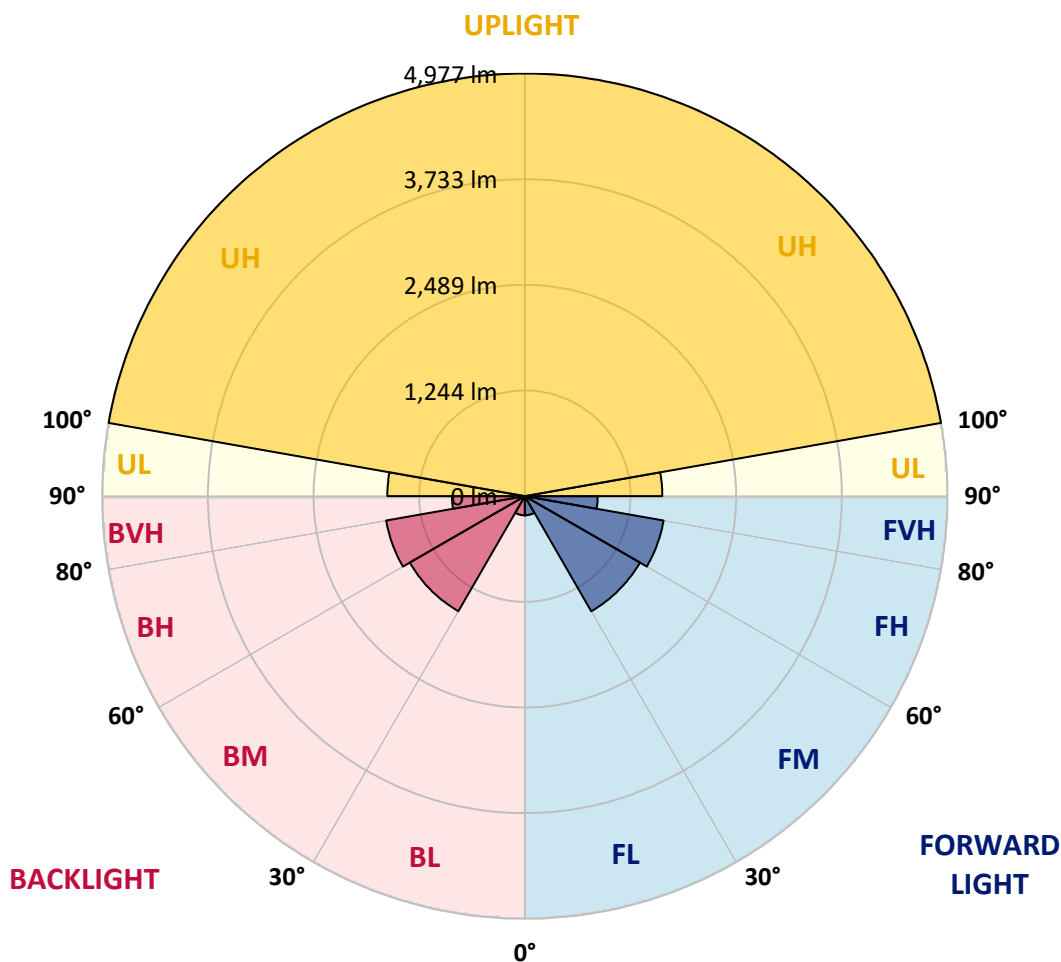
CATALOG NUMBER: FFX-CLB-100-750-U-VM8

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.9	1.5			
FM (30°-60°)	1564.9	10.3			
FH (60°-80°)	1658.7	10.9			G1/1800
FVH (80°-90°)	858.3	5.6			G5
BL (0°-30°)	225.9	1.5	B1/500		
BM (30°-60°)	1564.9	10.3	B2/2500		
BH (60°-80°)	1658.7	10.9	B3/2500		G1/1800
BVH (80°-90°)	858.3	5.6			G5
UL (90°-100°)	1618.9	10.6		U5	
UH (100°-180°)	4977.1	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°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6
2.5°	139.4	139.4	138.4	138.4	137.5	136.5	136.5	136.5	135.5	135.5	134.5
5°	158.9	157.9	157.9	157.0	157.9	157.0	157.0	157.0	157.0	155.0	155.0
7.5°	196.9	196.0	196.0	195.0	196.9	195.0	195.0	196.0	196.0	195.0	195.0
10°	246.6	245.7	245.7	243.7	245.7	244.7	244.7	242.7	243.7	242.7	243.7
12.5°	306.1	303.2	303.2	302.2	304.2	303.2	302.2	300.3	302.2	301.2	301.2
15°	367.5	368.5	367.5	366.6	368.5	368.5	367.5	365.6	367.5	365.6	366.6
17.5°	435.8	435.8	435.8	432.8	435.8	436.7	435.8	433.8	434.8	435.8	435.8
20°	509.9	509.9	510.8	508.9	513.8	510.8	509.9	508.9	509.9	510.8	511.8
22.5°	591.8	591.8	592.7	591.8	594.7	594.7	593.7	593.7	594.7	596.6	596.6
25°	682.4	683.4	683.4	680.5	687.3	689.2	687.3	687.3	689.2	692.2	692.2
27.5°	776.0	779.9	778.0	778.0	786.7	787.7	786.7	787.7	790.6	793.6	794.5
30°	872.5	875.4	879.3	876.4	886.2	887.1	888.1	889.1	893.0	897.9	897.9
32.5°	969.0	972.0	973.9	973.9	986.6	985.6	984.6	988.5	994.4	996.3	999.3
35°	1065.6	1065.6	1067.5	1068.5	1081.1	1080.2	1082.1	1085.0	1090.9	1094.8	1096.7
37.5°	1152.3	1150.4	1155.2	1157.2	1166.9	1167.9	1168.9	1173.8	1180.6	1185.5	1187.4
40°	1231.3	1229.3	1235.2	1238.1	1246.9	1246.9	1248.8	1254.7	1262.5	1267.4	1268.3
42.5°	1301.5	1300.5	1306.3	1310.2	1319.0	1318.0	1317.1	1324.9	1333.6	1339.5	1341.4
45°	1361.9	1360.9	1368.7	1373.6	1380.4	1378.5	1378.5	1385.3	1395.1	1401.9	1402.9
47.5°	1413.6	1413.6	1422.4	1428.2	1434.1	1431.1	1429.2	1436.0	1445.8	1455.5	1456.5
50°	1459.4	1458.4	1468.2	1475.0	1479.9	1476.0	1473.1	1479.9	1490.6	1500.4	1502.3
52.5°	1495.5	1497.4	1507.2	1515.9	1519.8	1514.0	1509.1	1515.9	1527.6	1538.4	1540.3
55°	1526.7	1527.6	1538.4	1549.1	1551.0	1543.2	1537.4	1543.2	1555.9	1567.6	1569.6
57.5°	1551.0	1553.0	1565.7	1575.4	1576.4	1567.6	1560.8	1565.7	1579.3	1591.0	1593.9
60°	1572.5	1574.4	1586.1	1596.9	1597.8	1587.1	1578.3	1582.2	1596.9	1610.5	1612.5
62.5°	1589.1	1592.0	1604.7	1614.4	1614.4	1601.7	1591.0	1594.9	1610.5	1625.1	1627.1
65°	1602.7	1605.6	1618.3	1628.1	1627.1	1612.5	1600.8	1604.7	1621.2	1635.9	1638.8
67.5°	1612.5	1614.4	1628.1	1637.8	1633.9	1618.3	1606.6	1609.5	1627.1	1641.7	1644.6
70°	1618.3	1620.3	1633.9	1642.7	1636.8	1620.3	1607.6	1611.5	1629.0	1644.6	1647.6
72.5°	1621.2	1624.2	1636.8	1644.6	1637.8	1619.3	1605.6	1610.5	1628.1	1644.6	1646.6
75°	1620.3	1622.2	1634.9	1641.7	1632.9	1615.4	1600.8	1605.6	1624.2	1638.8	1641.7
77.5°	1615.4	1617.3	1629.0	1634.9	1624.2	1606.6	1593.0	1597.8	1615.4	1630.0	1632.9
80°	1607.6	1609.5	1620.3	1624.2	1613.4	1595.9	1583.2	1588.1	1604.7	1618.3	1621.2
82.5°	1594.9	1597.8	1607.6	1609.5	1597.8	1582.2	1569.6	1574.4	1590.0	1602.7	1604.7
85°	1579.3	1581.3	1590.0	1591.0	1579.3	1565.7	1554.9	1559.8	1573.5	1583.2	1586.1
87.5°	1561.8	1561.8	1570.5	1570.5	1557.9	1545.2	1537.4	1541.3	1554.0	1561.8	1564.7
90°	1540.3	1541.3	1547.1	1546.2	1534.5	1523.7	1516.9	1521.8	1532.5	1539.3	1541.3
92.5°	1516.9	1517.9	1522.8	1520.8	1509.1	1500.4	1494.5	1500.4	1510.1	1515.0	1516.9
95°	1491.6	1492.6	1496.5	1492.6	1481.8	1475.0	1470.1	1477.0	1484.8	1489.6	1491.6
97.5°	1465.3	1466.2	1469.2	1465.3	1453.6	1447.7	1445.8	1451.6	1459.4	1463.3	1465.3
100°	1438.0	1438.0	1439.9	1434.1	1424.3	1419.4	1418.5	1425.3	1433.1	1437.0	1438.9
102.5°	1407.7	1408.7	1408.7	1402.9	1393.1	1390.2	1390.2	1398.0	1405.8	1408.7	1410.7
105°	1376.5	1376.5	1376.5	1371.7	1360.9	1359.0	1360.0	1367.8	1376.5	1380.4	1382.4
107.5°	1342.4	1343.4	1341.4	1336.6	1327.8	1325.8	1327.8	1338.5	1346.3	1350.2	1352.2
110°	1306.3	1307.3	1306.3	1300.5	1292.7	1291.7	1294.6	1305.4	1313.2	1317.1	1320.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1268.3	1269.3	1268.3	1263.5	1255.7	1255.7	1259.6	1270.3	1279.1	1282.0	1284.9
115°	1228.4	1229.3	1227.4	1223.5	1215.7	1217.6	1221.5	1232.3	1241.0	1244.0	1247.9
117.5°	1185.5	1186.4	1185.5	1180.6	1173.8	1175.7	1181.6	1192.3	1200.1	1203.0	1206.9
120°	1138.7	1138.7	1138.7	1133.8	1127.0	1130.9	1136.7	1148.4	1155.2	1157.2	1161.1
122.5°	1090.9	1088.9	1088.9	1086.0	1078.2	1083.1	1088.9	1100.6	1107.5	1108.4	1111.4
125°	1038.3	1039.2	1036.3	1034.4	1027.5	1033.4	1038.3	1050.0	1055.8	1056.8	1059.7
127.5°	981.7	984.6	981.7	978.8	973.9	979.8	985.6	996.3	1001.2	1002.2	1004.1
130°	929.1	929.1	926.1	924.2	919.3	925.2	931.0	940.8	945.6	945.6	947.6
132.5°	876.4	873.5	872.5	870.6	864.7	871.5	875.4	885.2	889.1	888.1	890.1
135°	818.9	818.9	816.0	815.0	810.1	817.0	820.9	829.6	832.6	831.6	833.5
137.5°	765.3	765.3	763.3	761.4	758.5	764.3	768.2	775.0	778.0	775.0	778.0
140°	712.6	712.6	711.7	709.7	706.8	712.6	715.6	721.4	724.3	721.4	723.4
142.5°	663.9	661.9	661.0	660.0	656.1	661.9	663.9	669.7	670.7	668.8	671.7
145°	612.2	613.2	612.2	611.3	608.3	613.2	615.2	620.0	621.0	619.1	622.0
147.5°	569.3	566.4	567.4	566.4	563.5	568.4	569.3	572.3	574.2	572.3	574.2
150°	526.4	524.5	524.5	523.5	521.6	525.5	526.4	529.4	530.3	528.4	530.3
152.5°	488.4	487.4	487.4	486.5	484.5	487.4	488.4	490.4	491.3	489.4	490.4
155°	454.3	453.3	453.3	452.3	450.4	453.3	453.3	455.3	456.2	455.3	456.2
157.5°	424.1	423.1	423.1	423.1	421.2	423.1	423.1	425.1	425.1	424.1	425.1
160°	399.7	397.8	398.7	397.8	395.8	397.8	397.8	398.7	398.7	398.7	398.7
162.5°	377.3	377.3	377.3	376.3	375.3	376.3	376.3	377.3	377.3	377.3	376.3
165°	359.7	359.7	359.7	358.8	357.8	358.8	358.8	358.8	358.8	358.8	358.8
167.5°	345.1	344.1	345.1	344.1	343.2	344.1	344.1	344.1	344.1	344.1	344.1
170°	332.4	332.4	332.4	332.4	331.5	332.4	332.4	332.4	332.4	332.4	332.4
172.5°	324.6	323.7	323.7	323.7	322.7	323.7	322.7	323.7	322.7	323.7	322.7
175°	317.8	317.8	317.8	317.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
177.5°	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9
180°	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-5
 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-100-750-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 4950
 CIE u': 0.2102
 CIE v': 0.4882
 Duv: 0.0025
 CIE x: 0.3471
 CIE y: 0.3583
 CIE z: 0.2946
 Peak Wavelength (nm): 452
 Dominant Wavelength (nm): 571
 Purity: 11.64963
 Rf: 74.8
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



Test Conditions

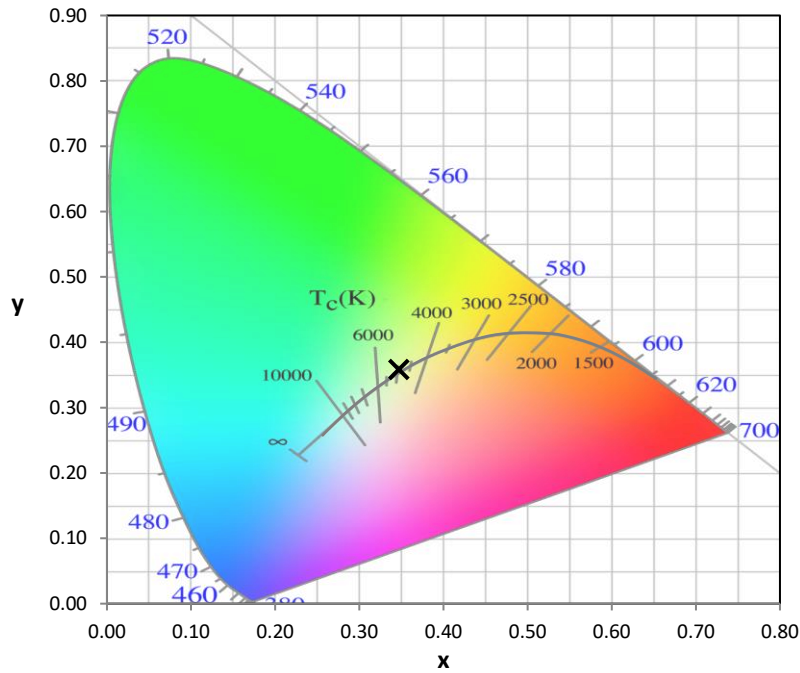
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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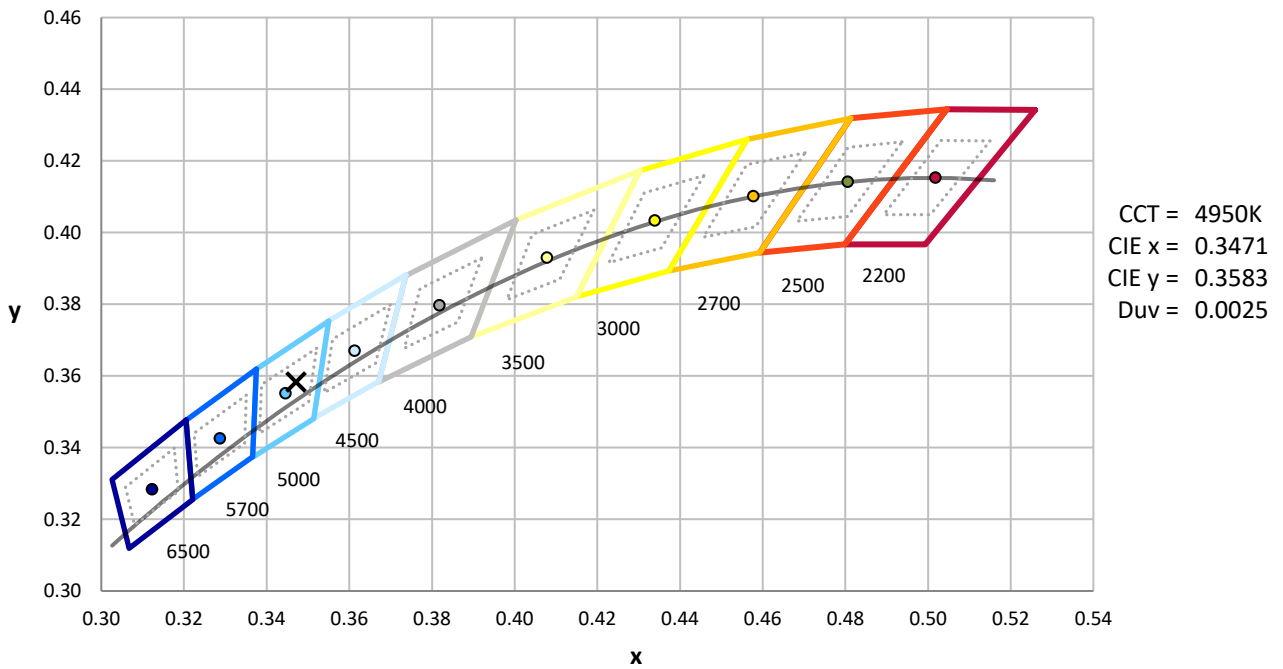
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



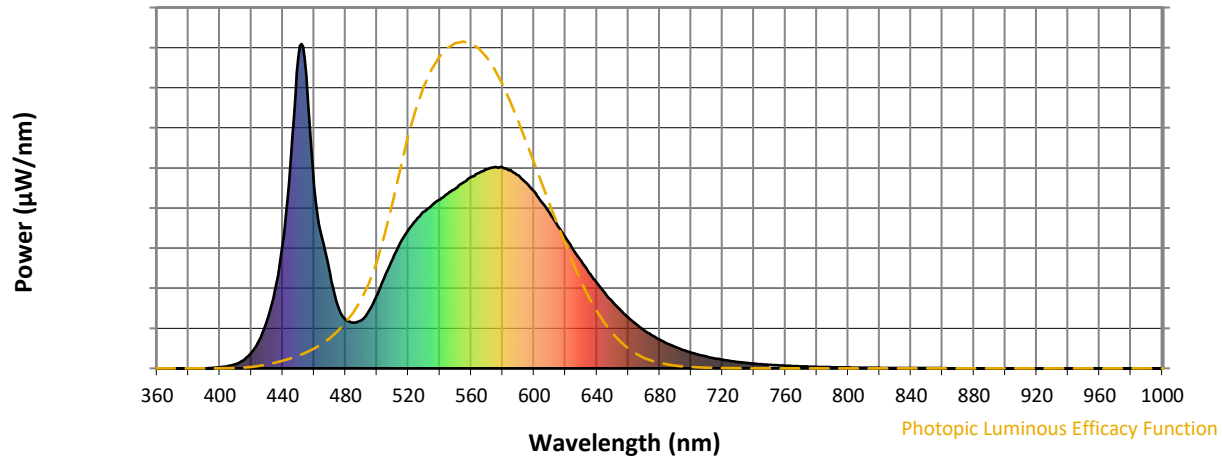
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.8

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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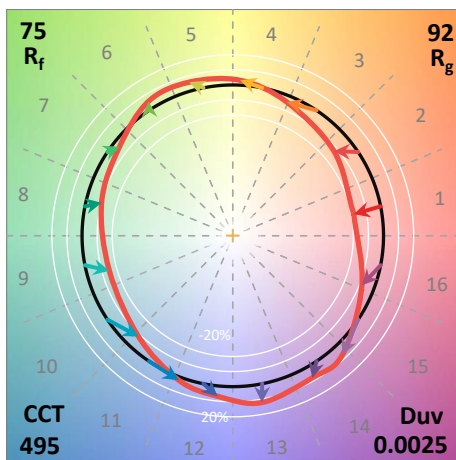
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Summary

$R_f = 74.8$
 $R_g = 92.4$
 CIE $R_a = 73.0$
 $R_9 = -35.4$



Color Vector Graphics



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

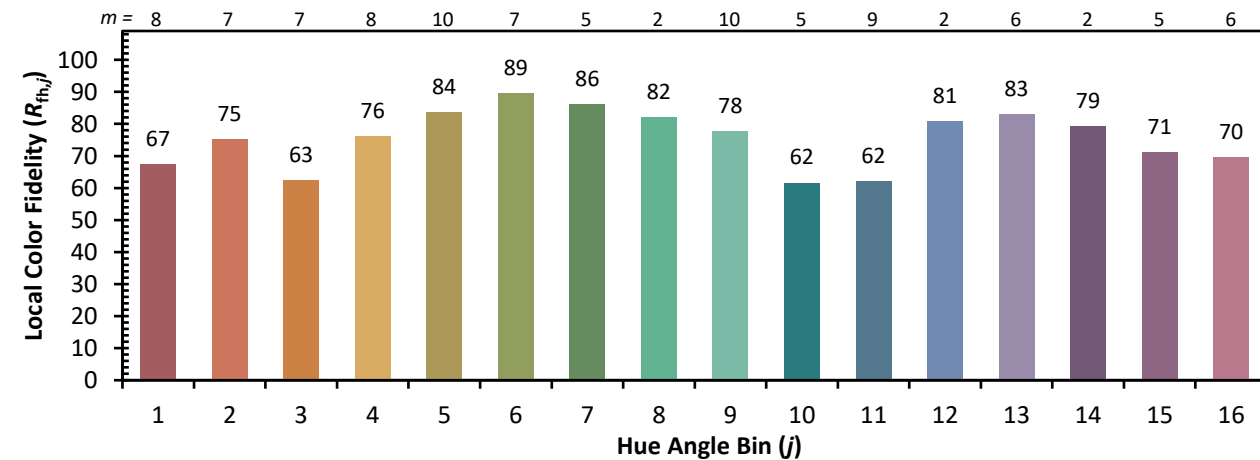
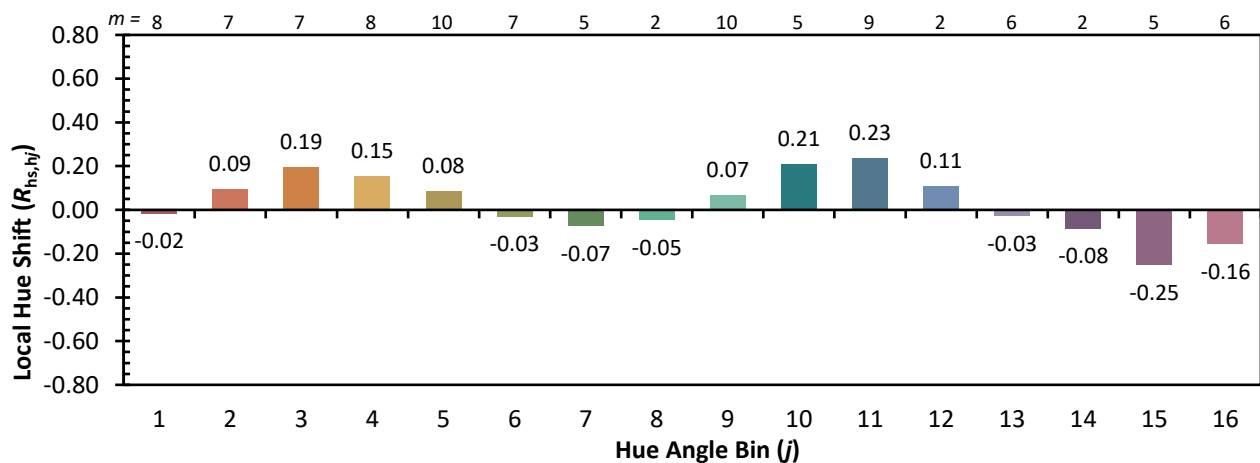
CES01 = 85	CES26 = 65	CES51 = 89	CES76 = 54
CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)