

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: P856389

Luminaire Tested: **FFX-CLB-100-730-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856389
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-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

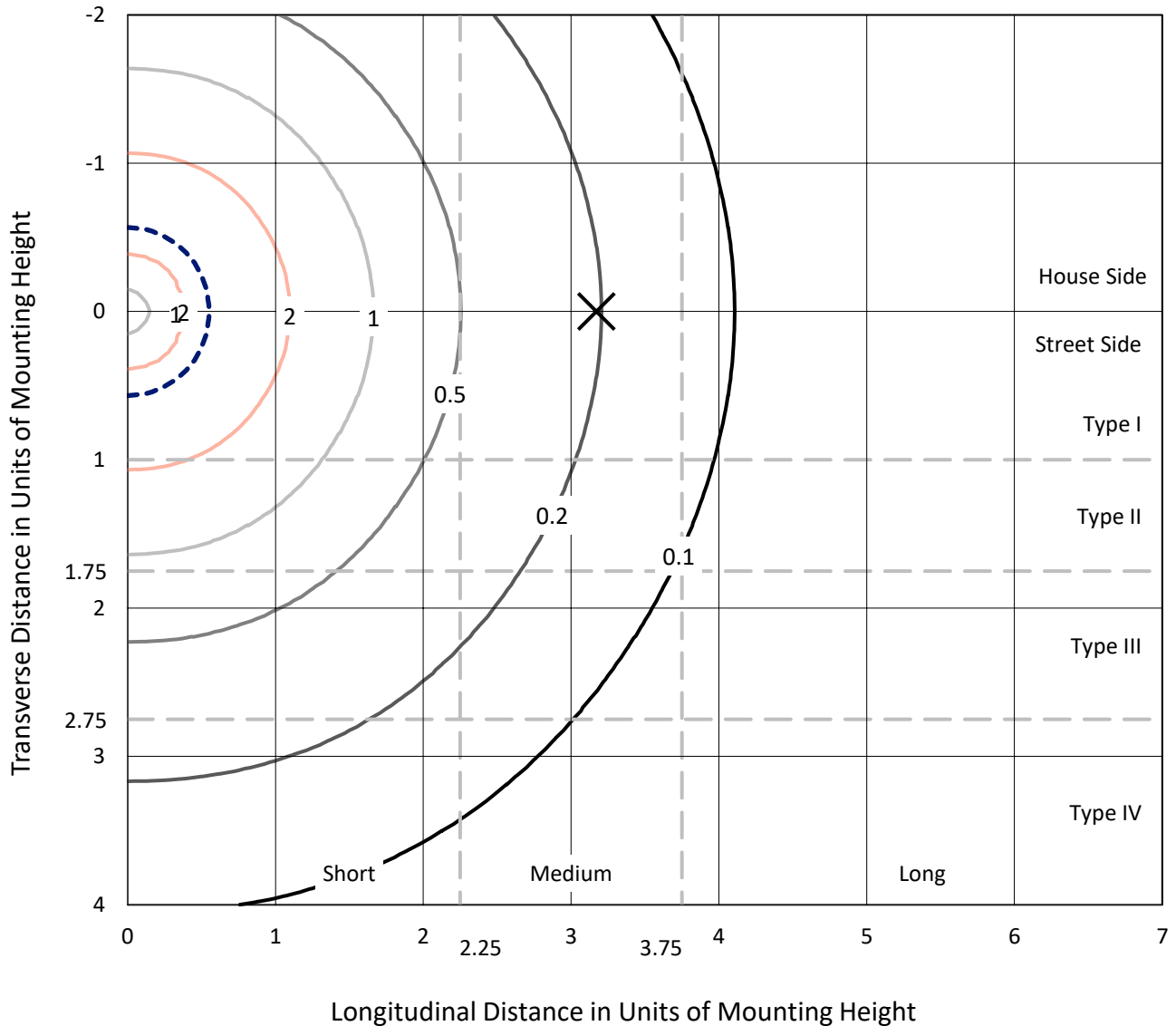
Lumens per Lamp: N/A
Luminaire Lumens: 15039.1 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

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

REPORT NUMBER: P856389
 CATALOG NUMBER: FFX-CLB-100-730-U-VM9

Iso-Footcandle Lines of Horizontal Illumination

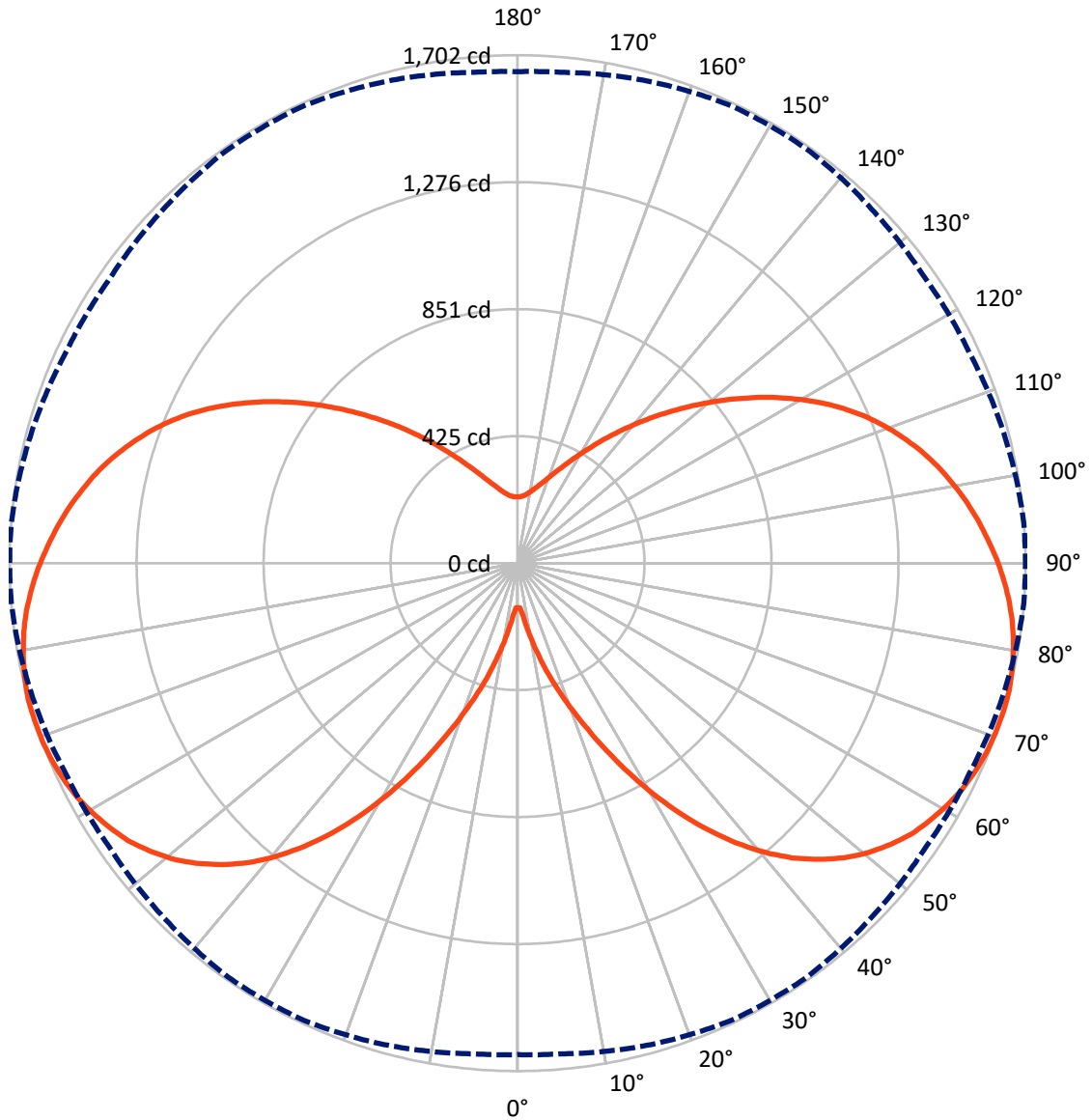
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P856389
CATALOG NUMBER: FFX-CLB-100-730-U-VM9

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P856389

CATALOG NUMBER: FFX-CLB-100-730-U-VM9

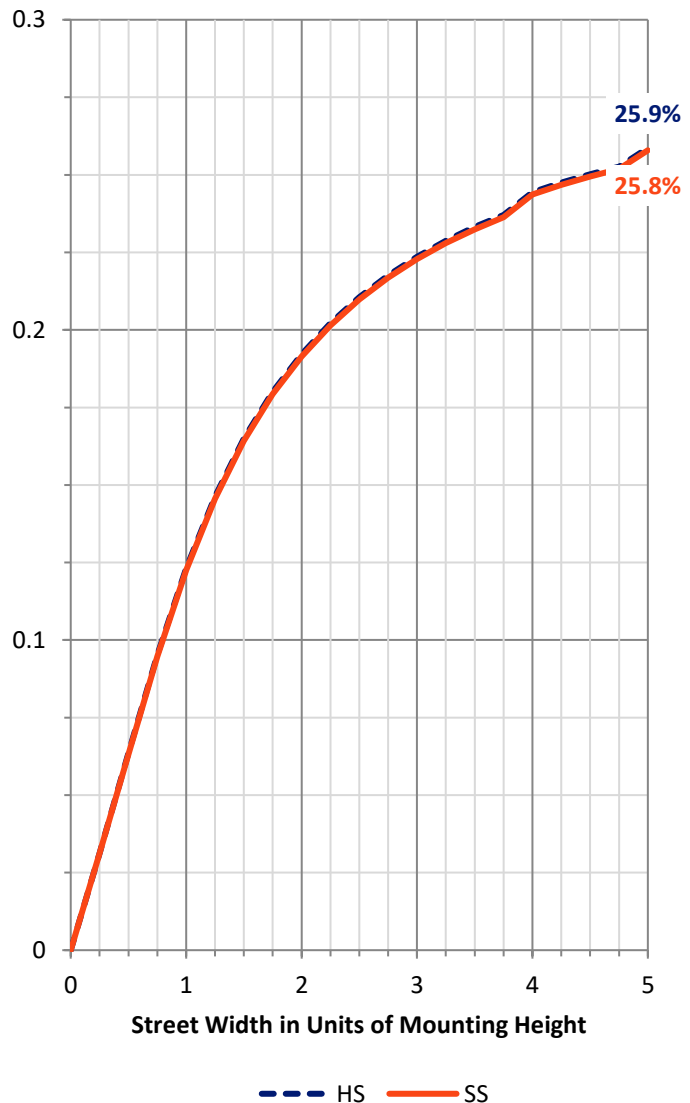
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4404.8	3114.8	7519.6
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	4404.8	3114.8	7519.6
	% Fixture	29.3	20.7	50.0
Total	Lumens	8809.6	6229.5	15039.1
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.1
10°-20°	112.8	0.8
20°-30°	326.0	2.2
30°-40°	678.1	4.5
40°-50°	1076.1	7.2
50°-60°	1412.6	9.4
60°-70°	1647.1	11.0
70°-80°	1769.2	11.8
80°-90°	1768.4	11.8
90°-100°	1655.3	11.0
100°-110°	1452.4	9.7
110°-120°	1168.0	7.8
120°-130°	838.9	5.6
130°-140°	539.2	3.6
140°-150°	312.8	2.1
150°-160°	164.3	1.1
160°-170°	76.5	0.5
170°-180°	22.0	0.1
0°-90°	8809.6	58.6
0°-180°	15039.1	100.0



REPORT NUMBER: P856389

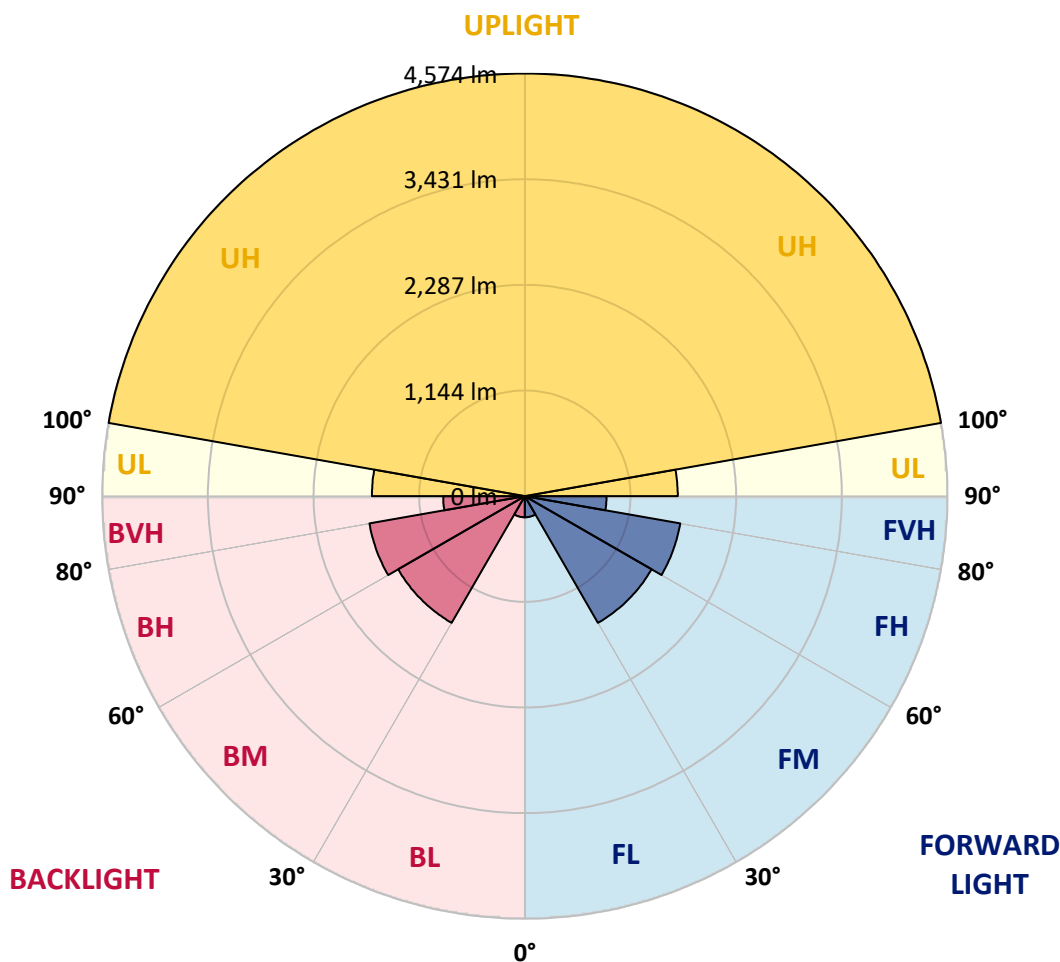
CATALOG NUMBER: FFX-CLB-100-730-U-VM9

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.1	1.5			
FM (30°-60°)	1583.4	10.5			
FH (60°-80°)	1708.2	11.4			G1/1800
FVH (80°-90°)	884.2	5.9			G5
BL (0°-30°)	229.1	1.5	B1/500		
BM (30°-60°)	1583.4	10.5	B2/2500		
BH (60°-80°)	1708.2	11.4	B3/2500		G1/1800
BVH (80°-90°)	884.2	5.9			G5
UL (90°-100°)	1655.3	11.0		U5	
UH (100°-180°)	4574.2	30.4		U5	

BUG Rating: B3-U5-G5

Type V Short





REPORT NUMBER: P856389

CATALOG NUMBER: FFX-CLB-100-730-U-VM9

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	154.9	154.9	153.9	153.9	153.0	152.0	152.0	151.0	150.0	150.0	150.0
5°	172.3	171.3	171.3	171.3	171.3	170.4	171.3	170.4	170.4	170.4	171.3
7.5°	210.1	209.1	209.1	209.1	210.1	210.1	211.0	212.0	213.0	213.0	213.0
10°	259.4	258.5	258.5	257.5	259.4	259.4	260.4	258.5	261.4	261.4	262.3
12.5°	317.5	316.6	316.6	315.6	317.5	316.6	318.5	316.6	321.4	319.5	319.5
15°	380.4	380.4	379.5	378.5	381.4	381.4	383.3	383.3	386.2	384.3	385.3
17.5°	447.2	446.3	446.3	445.3	448.2	448.2	448.2	450.1	454.0	450.1	453.0
20°	518.9	517.9	517.9	516.9	519.8	519.8	521.8	522.7	526.6	523.7	525.6
22.5°	596.3	595.3	595.3	595.3	599.2	600.2	600.2	603.1	607.9	603.1	607.0
25°	682.5	681.5	681.5	684.4	687.3	688.3	690.2	694.1	698.9	694.1	698.9
27.5°	774.4	773.5	775.4	779.3	782.2	784.1	787.0	788.0	794.8	789.9	796.7
30°	869.3	868.3	870.3	875.1	879.0	884.8	884.8	887.7	897.4	890.6	897.4
32.5°	963.2	962.2	965.1	970.9	976.8	982.6	983.5	987.4	997.1	992.2	999.0
35°	1056.1	1055.2	1059.0	1066.8	1072.6	1078.4	1080.3	1084.2	1094.9	1090.0	1096.8
37.5°	1144.2	1144.2	1148.1	1156.8	1163.6	1171.3	1170.4	1175.2	1184.9	1182.0	1188.8
40°	1226.5	1226.5	1231.4	1242.0	1249.7	1254.6	1253.6	1258.5	1269.1	1268.1	1273.9
42.5°	1301.1	1301.1	1307.8	1318.5	1326.2	1329.1	1329.1	1334.0	1345.6	1344.6	1350.4
45°	1364.0	1366.9	1374.6	1386.2	1393.0	1395.9	1394.0	1398.8	1411.4	1411.4	1416.2
47.5°	1422.1	1425.9	1433.7	1445.3	1450.1	1453.0	1451.1	1455.0	1467.6	1469.5	1474.3
50°	1472.4	1475.3	1485.0	1497.6	1502.4	1502.4	1499.5	1503.4	1516.9	1520.8	1524.7
52.5°	1516.0	1518.9	1529.5	1543.1	1546.0	1545.0	1541.1	1545.0	1558.6	1562.4	1565.3
55°	1550.8	1553.7	1566.3	1579.8	1582.8	1579.8	1574.0	1578.9	1591.5	1597.3	1602.1
57.5°	1578.9	1581.8	1596.3	1609.9	1612.8	1607.0	1600.2	1605.0	1619.5	1626.3	1628.2
60°	1602.1	1605.0	1620.5	1635.0	1637.0	1630.2	1622.4	1627.3	1641.8	1649.5	1651.5
62.5°	1620.5	1623.4	1639.9	1656.3	1657.3	1648.6	1639.9	1644.7	1659.2	1667.9	1670.8
65°	1633.1	1636.0	1654.4	1670.8	1672.8	1662.1	1653.4	1658.3	1671.8	1682.5	1684.4
67.5°	1641.8	1644.7	1665.0	1682.5	1683.4	1671.8	1662.1	1666.0	1681.5	1692.1	1694.1
70°	1645.7	1648.6	1669.9	1688.3	1689.2	1676.7	1665.0	1669.9	1685.4	1697.9	1699.9
72.5°	1646.6	1650.5	1672.8	1691.2	1692.1	1677.6	1666.0	1669.9	1686.3	1700.9	1701.8
75°	1642.8	1647.6	1670.8	1690.2	1690.2	1673.7	1661.2	1665.0	1683.4	1698.9	1701.8
77.5°	1637.9	1640.8	1665.0	1684.4	1683.4	1666.0	1651.5	1657.3	1675.7	1693.1	1695.0
80°	1627.3	1631.2	1655.4	1673.7	1671.8	1652.5	1638.9	1644.7	1664.1	1682.5	1684.4
82.5°	1613.7	1617.6	1641.8	1658.3	1656.3	1636.0	1622.4	1629.2	1649.5	1668.9	1670.8
85°	1597.3	1601.1	1624.4	1639.9	1637.0	1616.6	1603.1	1608.9	1631.2	1650.5	1652.5
87.5°	1576.0	1579.8	1603.1	1616.6	1613.7	1592.4	1580.8	1588.6	1608.9	1629.2	1630.2
90°	1551.8	1556.6	1576.9	1589.5	1585.7	1566.3	1555.6	1563.4	1583.7	1603.1	1605.0
92.5°	1527.6	1529.5	1548.9	1559.5	1556.6	1539.2	1529.5	1538.2	1556.6	1576.0	1576.0
95°	1498.5	1501.4	1518.9	1527.6	1524.7	1510.1	1501.4	1511.1	1527.6	1546.0	1546.9
97.5°	1467.6	1470.5	1485.0	1493.7	1490.8	1478.2	1472.4	1482.1	1496.6	1514.0	1515.0
100°	1434.6	1436.6	1449.2	1456.9	1454.0	1444.3	1440.4	1450.1	1463.7	1480.1	1480.1
102.5°	1397.9	1399.8	1409.5	1414.3	1413.3	1405.6	1405.6	1416.2	1426.9	1442.4	1444.3
105°	1359.1	1361.1	1367.8	1370.8	1369.8	1366.9	1368.8	1379.5	1388.2	1401.7	1403.7
107.5°	1315.6	1317.5	1321.4	1322.3	1322.3	1322.3	1329.1	1338.8	1348.5	1358.2	1359.1
110°	1269.1	1270.1	1273.0	1272.0	1272.0	1273.9	1283.6	1294.3	1302.0	1311.7	1312.7



REPORT NUMBER: P856389
 CATALOG NUMBER: FFX-CLB-100-730-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1218.8	1219.7	1221.7	1217.8	1218.8	1222.6	1235.2	1246.8	1251.7	1261.4	1261.4
115°	1165.5	1164.6	1166.5	1161.7	1160.7	1167.5	1181.0	1194.6	1198.4	1205.2	1206.2
117.5°	1107.4	1108.4	1107.4	1101.6	1100.7	1110.3	1122.9	1135.5	1140.4	1148.1	1146.2
120°	1047.4	1046.5	1047.4	1040.6	1039.7	1050.3	1062.9	1075.5	1078.4	1085.2	1083.2
122.5°	986.4	985.5	984.5	977.7	977.7	986.4	1001.9	1014.5	1012.6	1020.3	1019.4
125°	923.5	923.5	921.6	914.8	914.8	925.4	938.0	949.7	947.7	956.4	953.5
127.5°	861.6	861.6	859.6	853.8	853.8	863.5	875.1	886.7	883.8	891.6	888.7
130°	800.6	800.6	798.6	792.8	792.8	800.6	813.2	822.8	819.0	825.7	824.8
132.5°	742.5	741.5	740.6	734.7	735.7	743.5	753.1	761.9	758.0	765.7	762.8
135°	686.3	685.4	684.4	678.6	679.6	687.3	696.0	702.8	699.9	704.7	703.8
137.5°	633.1	632.1	631.2	626.3	627.3	633.1	641.8	647.6	643.7	650.5	647.6
140°	582.8	581.8	579.9	577.0	577.9	583.7	588.6	595.3	591.5	597.3	594.4
142.5°	534.4	534.4	532.4	529.5	530.5	536.3	540.2	545.0	541.1	546.0	544.0
145°	489.8	489.8	487.9	486.0	486.0	490.8	493.7	498.5	494.7	499.5	497.6
147.5°	449.2	449.2	447.2	445.3	445.3	450.1	452.1	455.9	452.1	455.9	454.0
150°	411.4	411.4	410.5	408.5	409.5	411.4	413.4	416.3	413.4	416.3	415.3
152.5°	378.5	378.5	377.5	376.6	375.6	378.5	379.5	382.4	379.5	382.4	380.4
155°	349.5	348.5	348.5	346.6	346.6	348.5	349.5	351.4	348.5	351.4	350.4
157.5°	323.3	323.3	322.4	321.4	321.4	322.4	323.3	324.3	322.4	325.3	323.3
160°	301.1	301.1	300.1	299.1	299.1	300.1	300.1	301.1	299.1	301.1	300.1
162.5°	281.7	281.7	280.7	280.7	279.8	280.7	281.7	281.7	280.7	281.7	280.7
165°	266.2	266.2	265.2	264.3	264.3	265.2	265.2	266.2	264.3	265.2	265.2
167.5°	251.7	251.7	251.7	250.7	249.8	250.7	250.7	250.7	249.8	250.7	250.7
170°	241.0	241.0	241.0	240.1	239.1	240.1	240.1	240.1	239.1	240.1	240.1
172.5°	232.3	232.3	232.3	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4
175°	226.5	226.5	226.5	226.5	225.6	226.5	226.5	226.5	226.5	226.5	225.6
177.5°	223.6	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7	222.7
180°	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7

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.

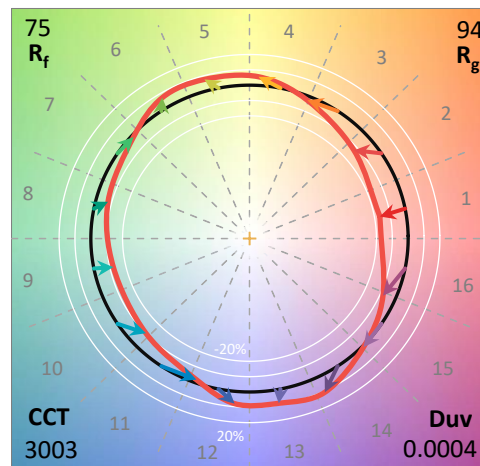
Test Information

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
 R2: 82.2
 R3: 93.9
 R4: 67.6
 R5: 67.2
 R6: 75.3
 R7: 77.6
 R8: 43.1
 R9: -33.7
 R10: 59.0
 R11: 62.4
 R12: 48.5
 R13: 70.8
 R14: 96.6
 R15: 60.0



Test Conditions

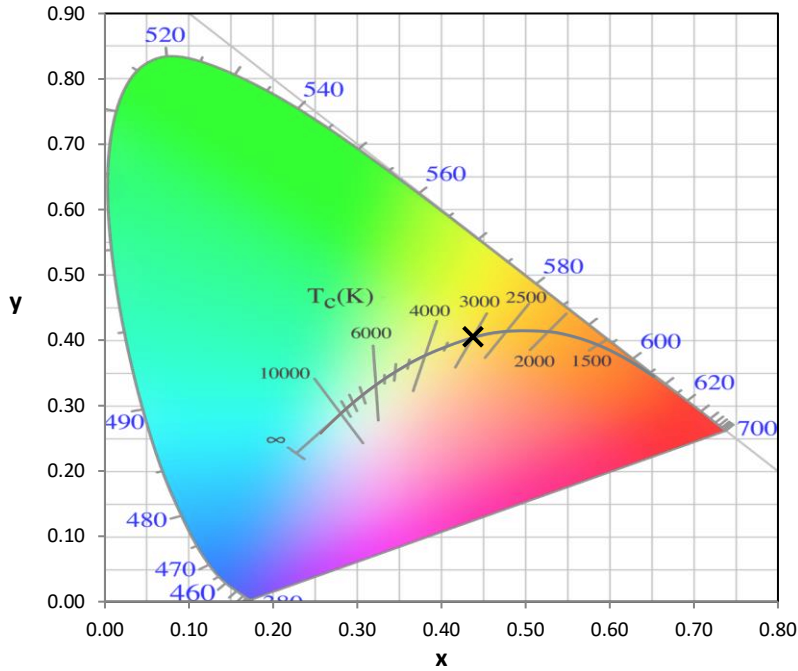
Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-4

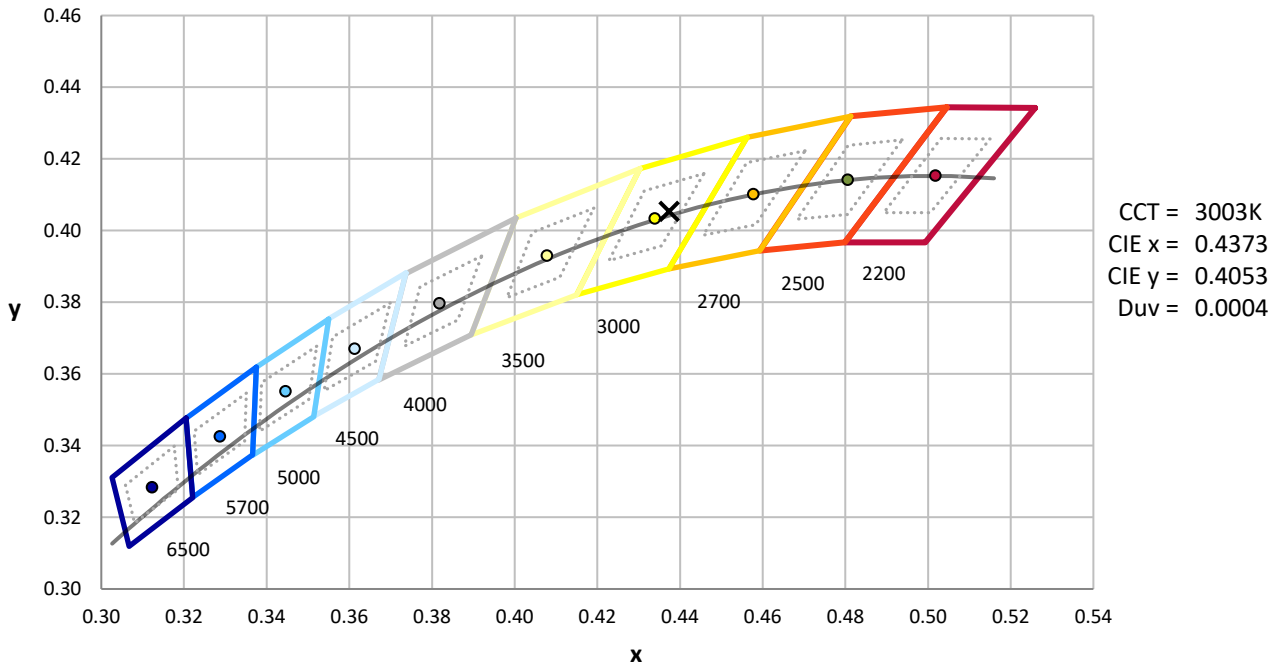
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2406-133-4

CIE 1931 Chromaticity Diagram



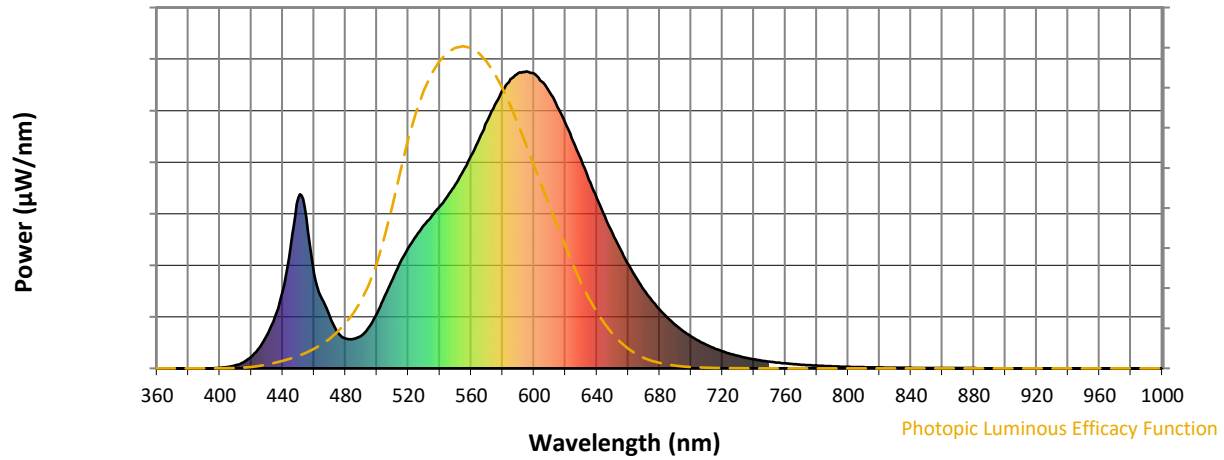
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2406-133-4

Photopic Flux vs. Wavelength

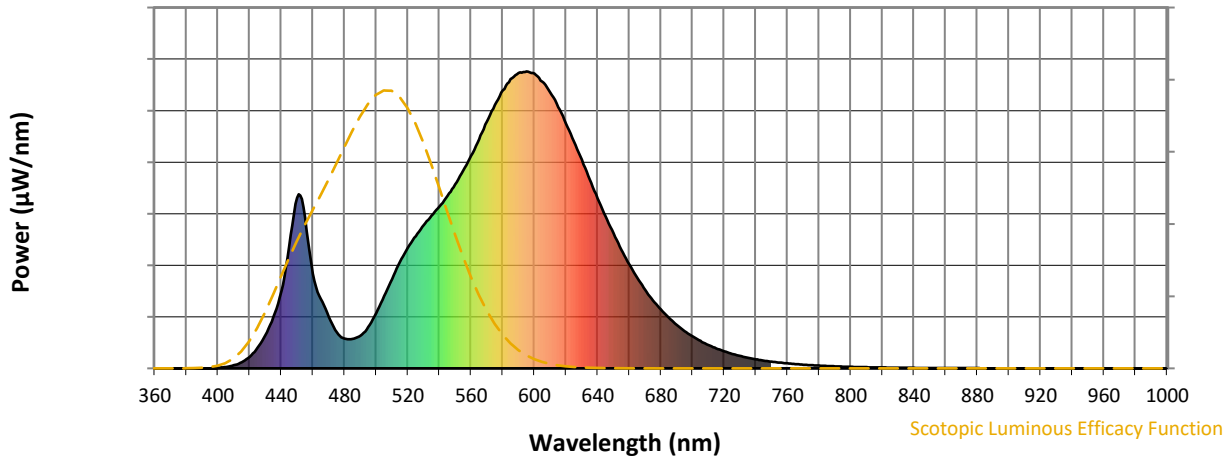


Photopic Lumens: NR

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	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			

REPORT NUMBER: SP1-2406-133-4

Scotopic Flux vs. Wavelength



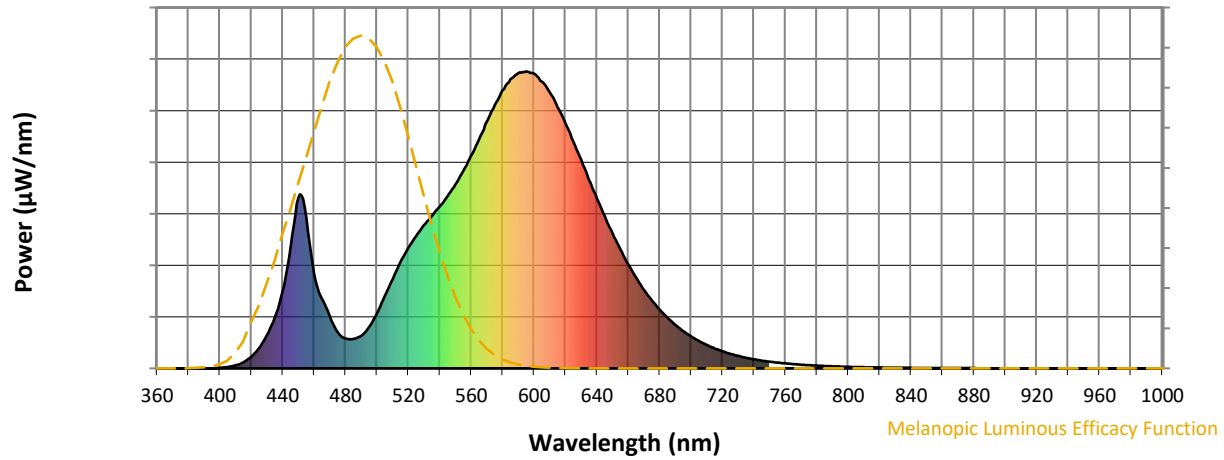
Scotopic Lumens: NR

S/P: 1.21

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	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			

REPORT NUMBER: SP1-2406-133-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

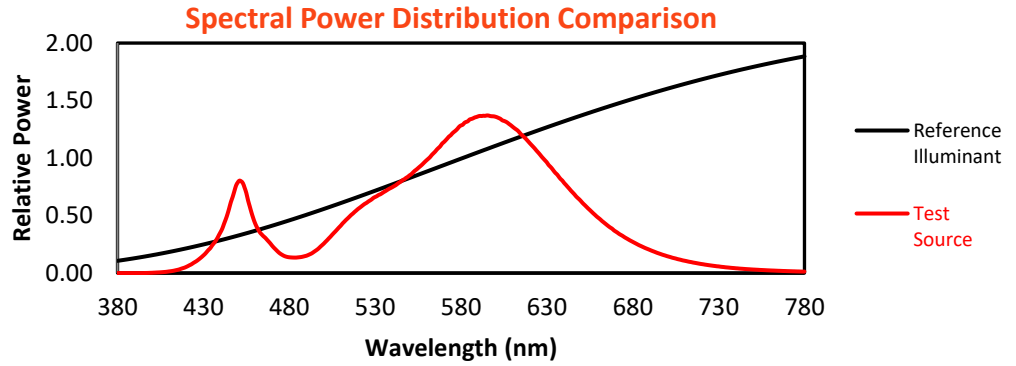
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	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			

REPORT NUMBER: SP1-2406-133-4

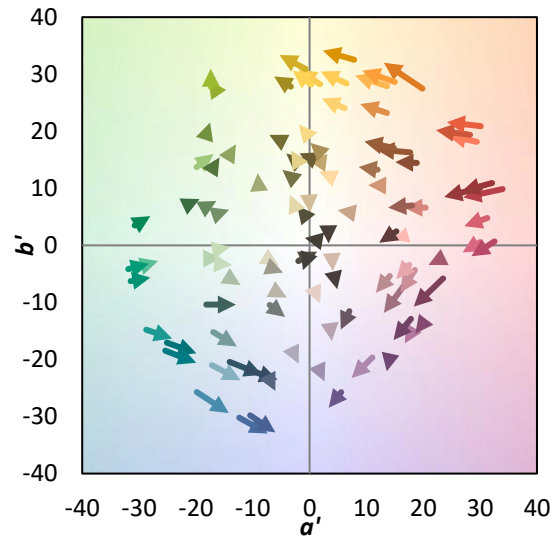
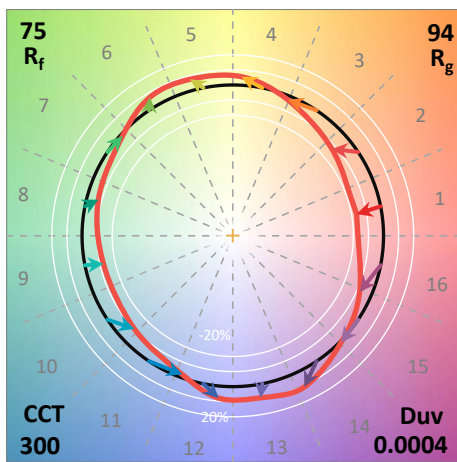
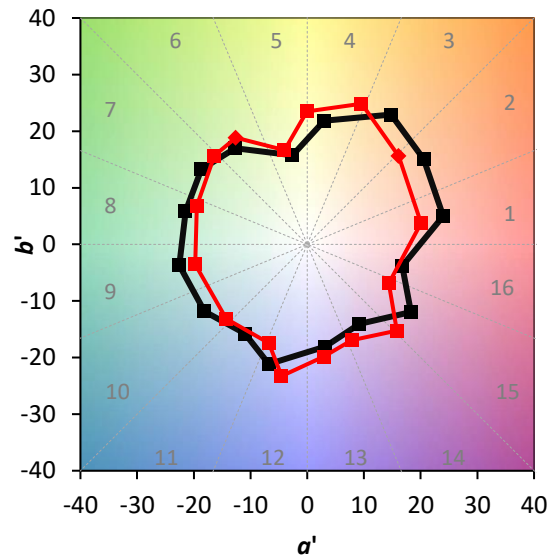
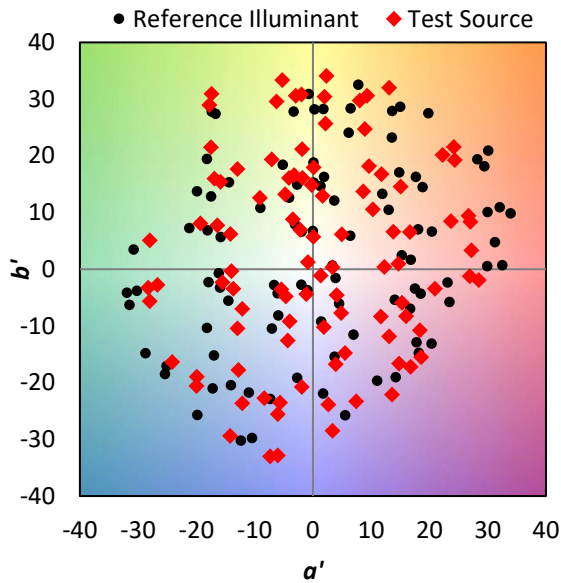
TM-30-18

Summary

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



Color Vector Graphics

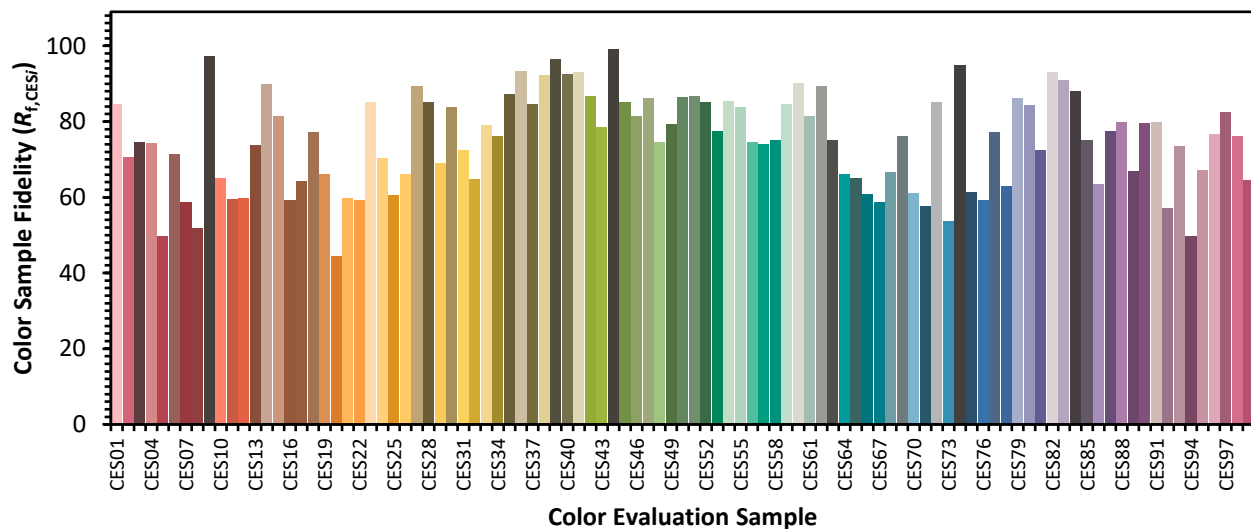


REPORT NUMBER: SP1-2406-133-4

TM-30-18

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

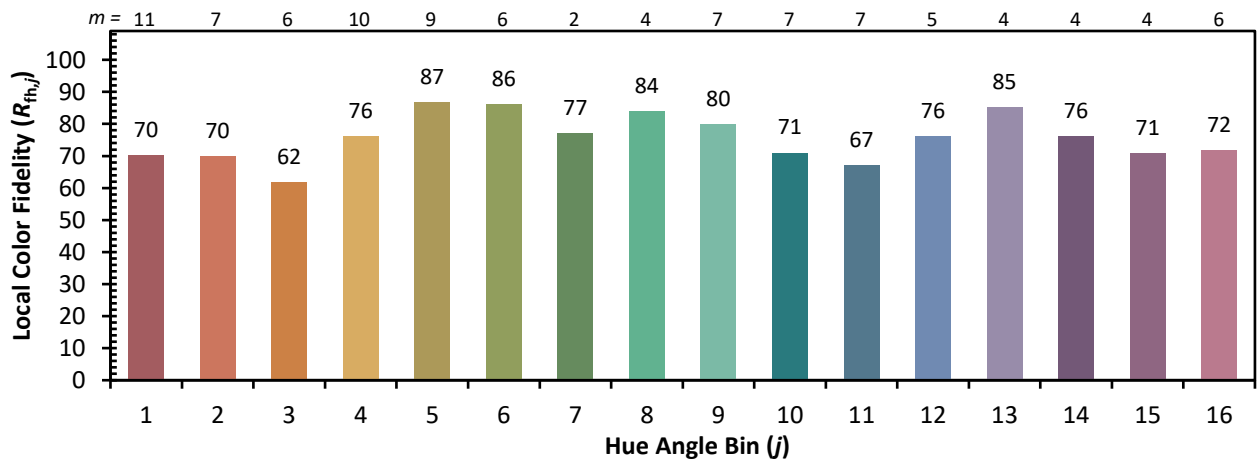
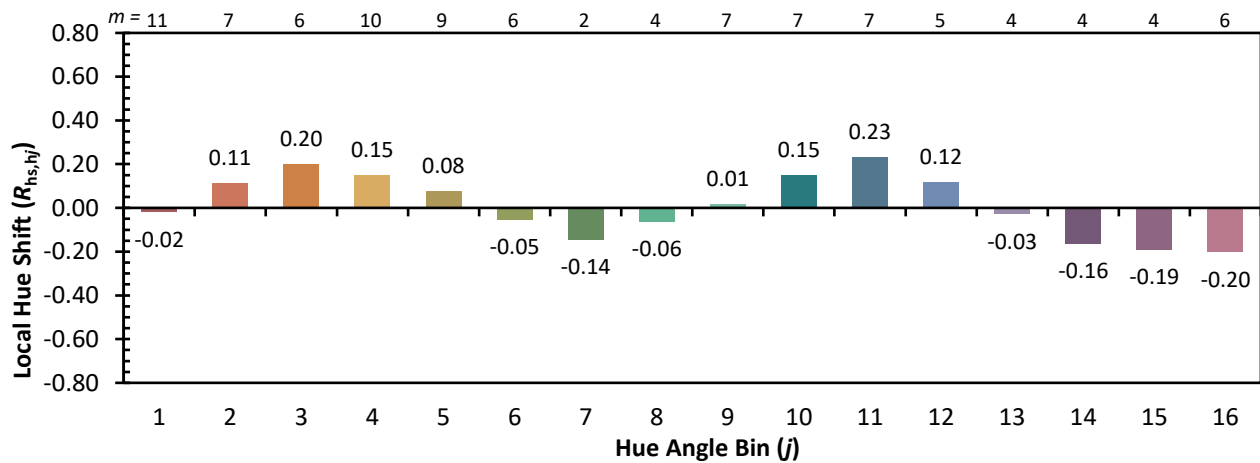
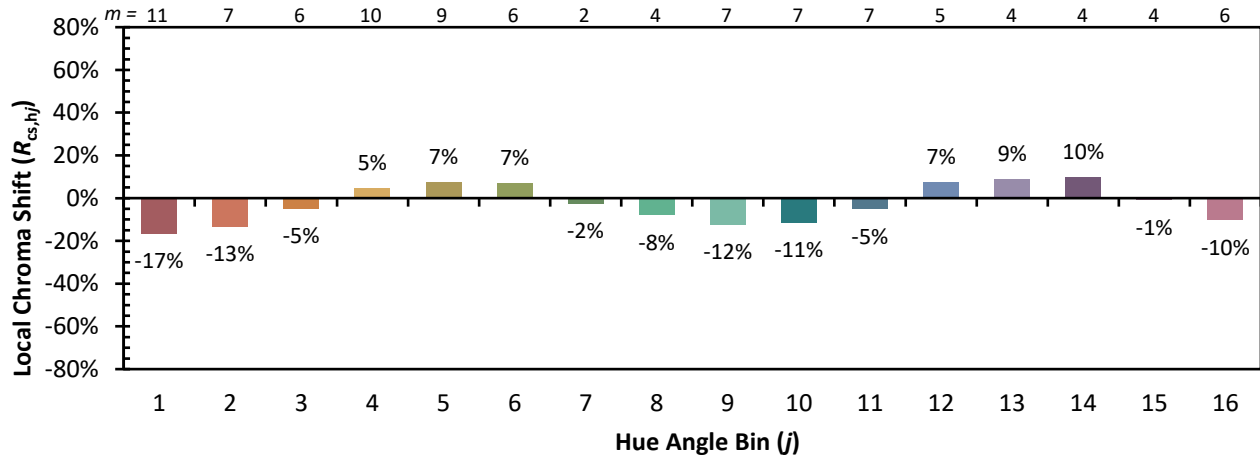
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CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57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



REPORT NUMBER: SP1-2406-133-4

TM-30-18

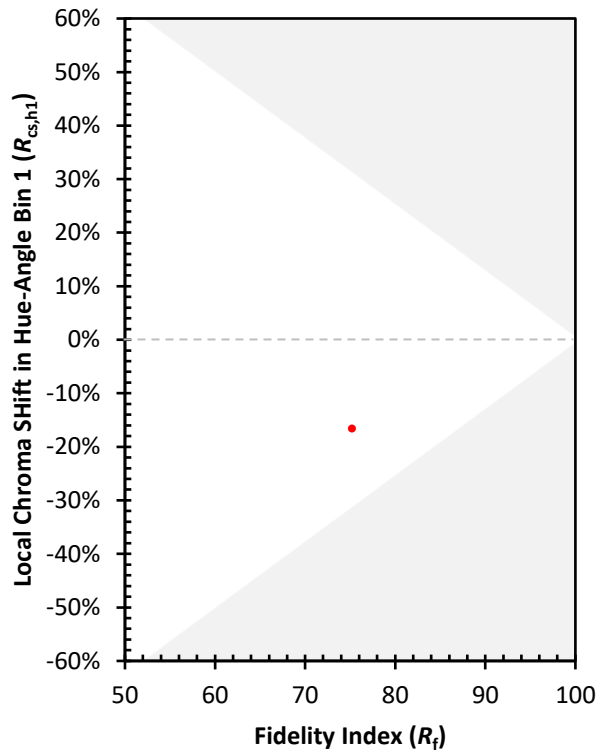
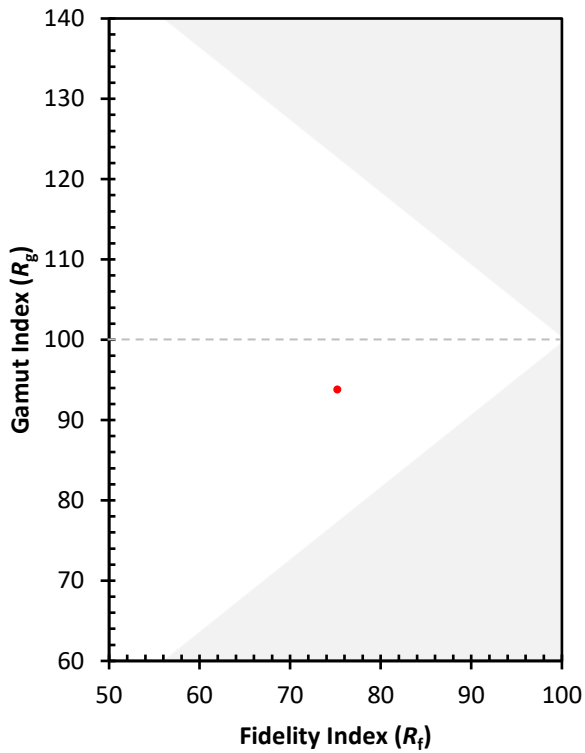
Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-2406-133-4

TM-30-18

Measure Comparisons



(END OF REPORT)