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: P1045923

Luminaire Tested: **FFX-CLB-80-727-U-FG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045923
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8476.7 lumens
Efficiency:	N/A
Efficacy:	103.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G5

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

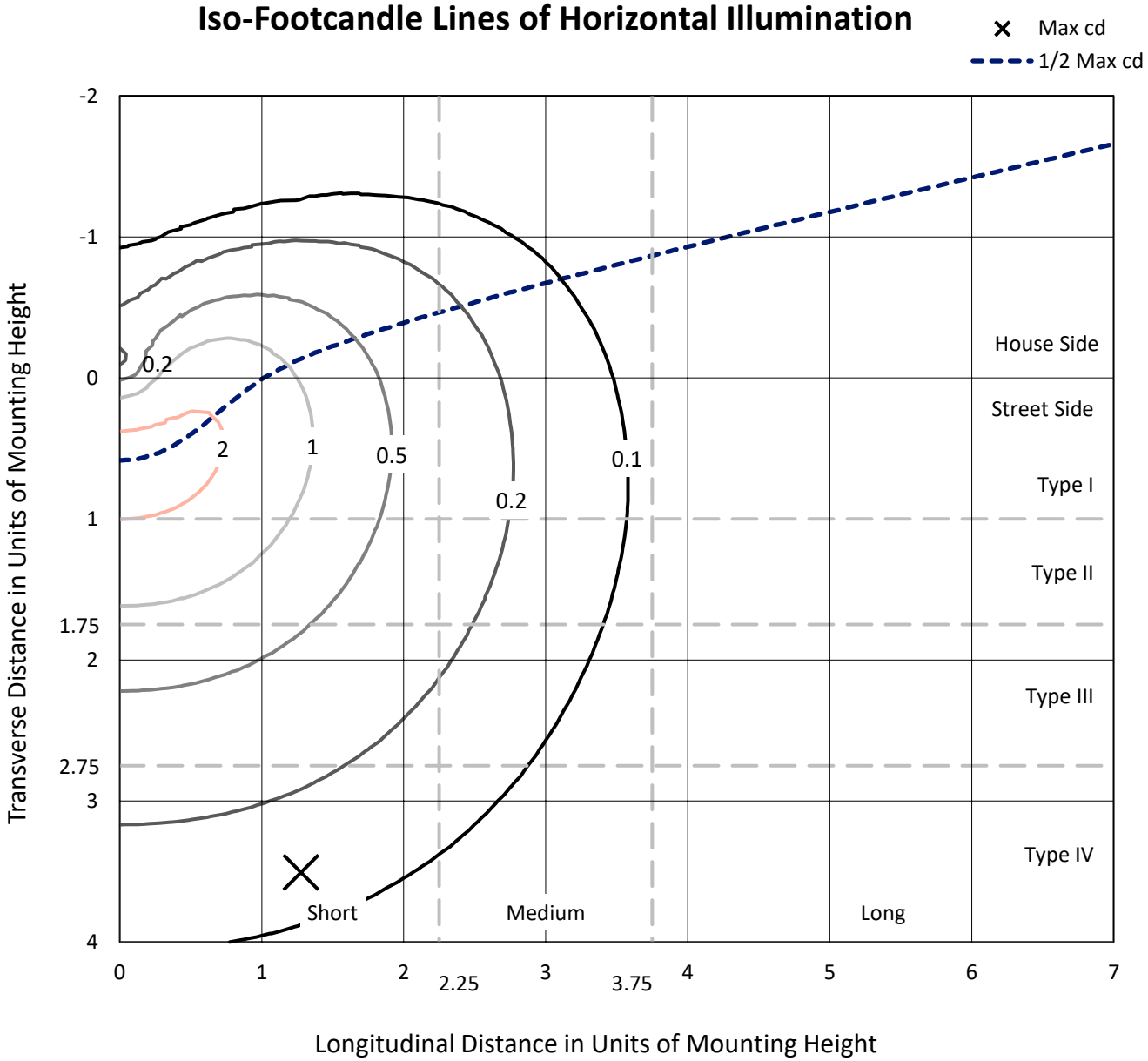


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Iso-Footcandle Lines of Horizontal Illumination



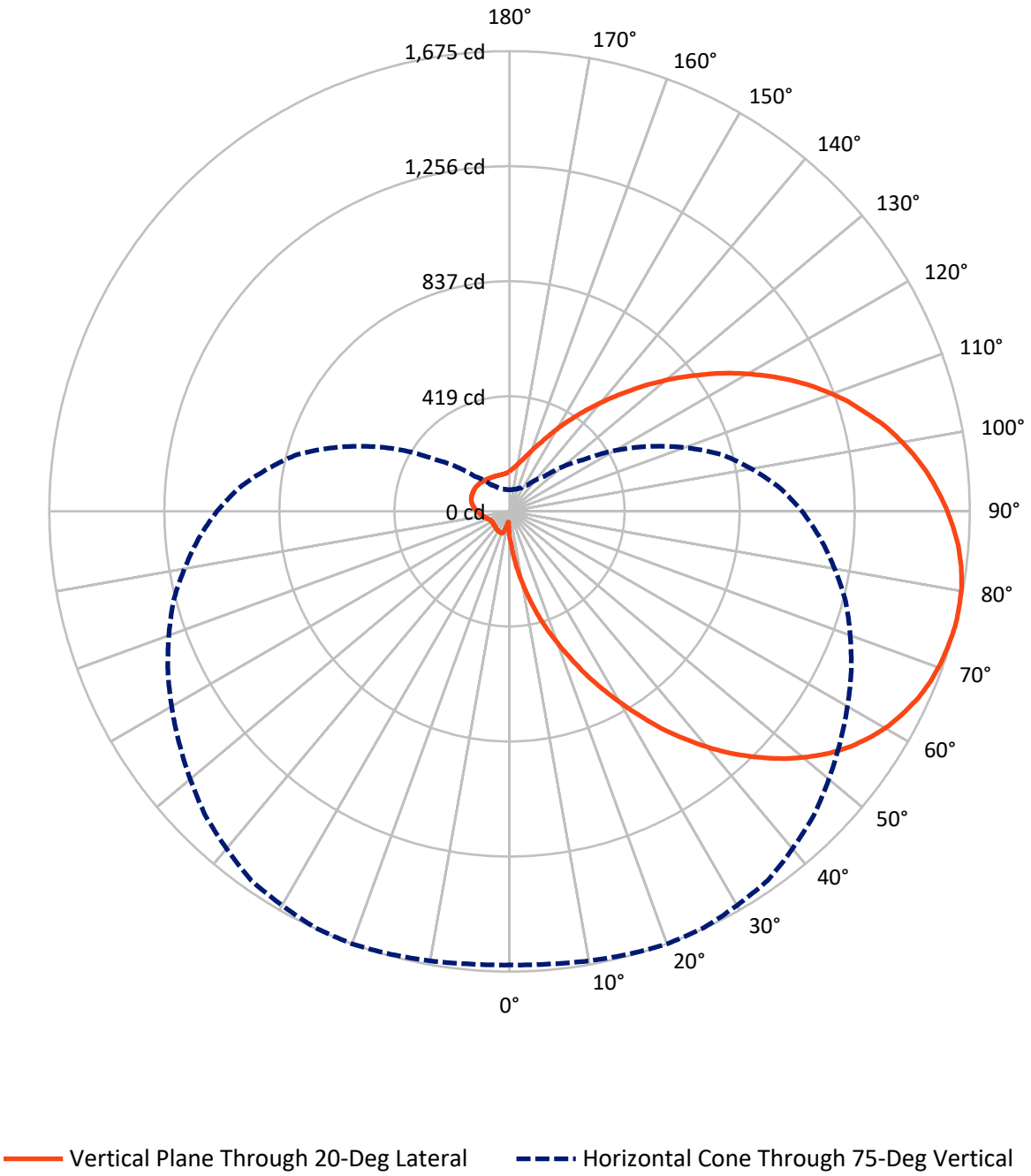
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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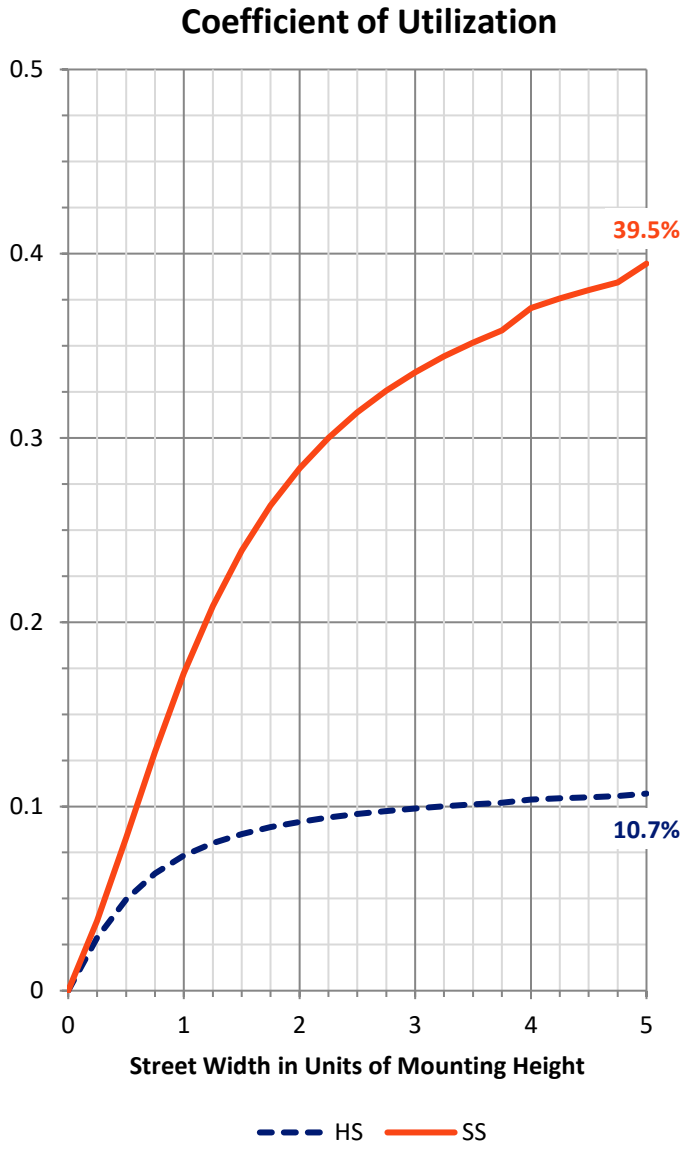
REPORT NUMBER: P1045923
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	980.0	932.3	1912.3
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	3848.2	2716.1	6564.4
	% Fixture	45.4	32.0	77.4
Total	Lumens	4828.2	3648.5	8476.7
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.1
10°-20°	70.7	0.8
20°-30°	187.3	2.2
30°-40°	361.8	4.3
40°-50°	566.7	6.7
50°-60°	757.7	8.9
60°-70°	897.9	10.6
70°-80°	978.2	11.5
80°-90°	995.8	11.7
90°-100°	944.4	11.1
100°-110°	835.1	9.9
110°-120°	678.1	8.0
120°-130°	499.1	5.9
130°-140°	330.9	3.9
140°-150°	195.0	2.3
150°-160°	103.1	1.2
160°-170°	48.6	0.6
170°-180°	14.2	0.2
0°-90°	4828.2	57.0
0°-180°	8476.7	100.0



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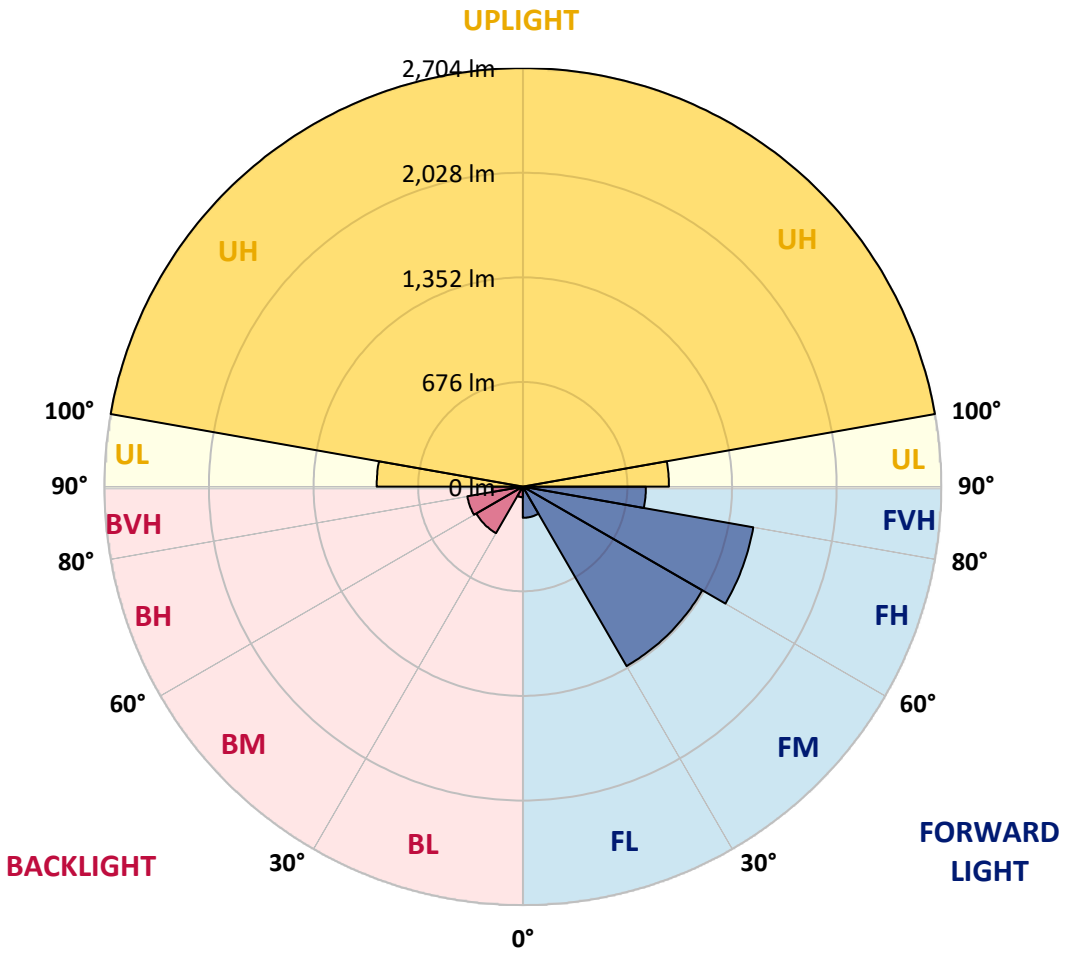
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	201.7	2.4			
FM	(30°-60°)	1339.3	15.8			
FH	(60°-80°)	1512.2	17.8			G1/1800
FVH	(80°-90°)	795.1	9.4			G5
BL	(0°-30°)	68.4	0.8	B0/110		
BM	(30°-60°)	346.9	4.1	B1/1000		
BH	(60°-80°)	364.0	4.3	B1/500		G1/500
BVH	(80°-90°)	200.7	2.4			G2/225
UL	(90°-100°)	944.4	11.1		U4/1000	
UH	(100°-180°)	2704.1	31.9		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	97.1	97.1	97.1	*97.1*	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2.5°	118.5	118.5	119.4	*119.4*	120.2	118.5	115.8	114.0	111.3	105.1	99.8
5°	164.8	165.7	163.9	*164.8*	165.7	161.2	155.0	147.0	135.4	124.7	113.1
7.5°	220.9	223.6	219.1	*218.2*	215.5	208.4	199.5	187.0	174.6	160.3	143.4
10°	282.3	281.5	276.1	*269.9*	268.1	259.2	247.6	236.0	217.3	199.5	181.7
12.5°	340.2	339.4	334.9	*330.4*	327.8	316.2	301.9	288.6	269.0	245.8	223.6
15°	400.8	401.7	397.2	*394.6*	389.2	377.7	366.1	346.5	326.9	300.2	273.4
17.5°	461.4	463.2	458.7	*456.9*	452.5	442.7	427.5	407.0	382.1	350.9	317.1
20°	528.2	530.0	527.3	*521.1*	515.7	505.0	491.7	465.8	438.2	406.2	362.5
22.5°	599.4	600.3	592.3	*590.5*	585.2	575.4	555.8	532.6	501.5	460.5	415.1
25°	669.8	669.8	668.0	*666.2*	658.2	646.6	627.0	598.5	563.8	520.2	466.7
27.5°	745.5	746.4	741.9	*740.2*	733.9	718.8	698.3	667.1	631.5	578.9	518.4
30°	825.7	824.8	820.3	*816.8*	814.1	798.9	775.8	743.7	699.2	638.6	577.2
32.5°	905.8	903.2	900.5	*896.9*	896.0	876.4	857.7	818.5	772.2	708.1	634.2
35°	987.8	981.5	979.8	*980.6*	976.2	960.2	932.5	894.2	840.8	774.0	690.3
37.5°	1059.0	1064.4	1059.9	*1056.4*	1057.2	1039.4	1010.0	967.3	911.2	837.2	747.3
40°	1138.3	1134.7	1134.7	*1134.7*	1132.1	1116.0	1084.9	1037.7	973.5	895.1	797.2
42.5°	1206.9	1206.9	1211.3	*1208.7*	1206.0	1187.3	1153.4	1100.9	1033.2	948.6	845.3
45°	1277.2	1275.5	1280.8	*1277.2*	1275.5	1255.9	1220.2	1165.9	1094.7	1002.0	893.4
47.5°	1342.3	1343.2	1344.9	*1344.9*	1343.2	1320.9	1283.5	1219.4	1147.2	1048.3	934.3
50°	1398.4	1402.8	1408.2	*1404.6*	1406.4	1382.3	1340.5	1275.5	1191.7	1092.0	970.8
52.5°	1453.6	1453.6	1460.7	*1460.7*	1458.9	1435.8	1388.6	1320.0	1237.2	1131.2	1004.7
55°	1500.8	1501.7	1507.9	*1508.8*	1507.9	1481.2	1431.3	1357.4	1271.0	1164.1	1032.3
57.5°	1536.4	1539.1	1547.1	*1549.8*	1546.2	1522.2	1466.1	1391.3	1299.5	1190.0	1056.4
60°	1568.5	1572.1	1581.0	*1584.5*	1581.9	1556.0	1497.2	1417.1	1322.7	1212.2	1076.8
62.5°	1597.0	1597.9	1609.5	*1611.3*	1610.4	1582.8	1520.4	1436.7	1341.4	1229.1	1094.7
65°	1617.5	1620.2	1632.6	*1635.3*	1633.5	1604.1	1539.1	1452.7	1356.5	1243.4	1108.0
67.5°	1633.5	1635.3	1647.8	*1652.2*	1650.4	1619.3	1552.5	1462.5	1365.4	1253.2	1118.7
70°	1642.4	1645.1	1659.4	*1662.9*	1661.1	1630.0	1560.5	1467.0	1370.8	1260.3	1125.8
72.5°	1647.8	1650.4	1665.6	*1670.0*	1669.1	1636.2	1564.0	1468.7	1372.5	1263.9	1131.2
75°	*1650.4*	*1653.1*	*1668.3*	*1674.5*	*1671.8*	*1638.9*	*1564.9*	*1467.9*	*1371.7*	*1266.6*	*1135.6*
76°	1650.4	1652.2	1668.3	*1674.5*	1671.8	1638.9	1564.9	1466.1	1370.8	1267.4	1137.4
77.5°	1648.7	1651.3	1667.4	*1672.7*	1670.9	1638.0	1562.3	1462.5	1368.1	1265.7	1138.3
80°	1644.2	1646.9	1662.0	*1668.3*	1665.6	1631.7	1556.0	1455.4	1361.0	1262.1	1138.3
82.5°	1634.4	1637.1	1651.3	*1655.8*	1654.9	1621.1	1544.5	1442.9	1350.3	1255.9	1136.5
85°	1619.3	1621.9	1633.5	*1638.9*	1636.2	1604.1	1527.5	1426.0	1336.9	1246.1	1131.2
87.5°	1598.8	1600.6	1613.0	*1614.8*	1613.9	1581.9	1506.2	1404.6	1319.1	1232.7	1122.3
90°	1573.8	1575.6	1585.4	*1588.1*	1585.4	1555.1	1478.5	1381.5	1296.8	1216.7	1111.6
92.5°	1548.0	1547.1	1554.2	*1556.9*	1554.2	1524.0	1450.0	1353.8	1273.7	1198.9	1098.2
95°	1517.7	1519.5	1521.3	*1523.1*	1519.5	1490.1	1418.0	1323.6	1248.7	1179.3	1085.7
97.5°	1483.9	1483.0	1484.8	*1484.8*	1481.2	1451.8	1381.5	1294.2	1220.2	1157.9	1068.8
100°	1448.3	1447.4	1445.6	*1442.0*	1438.5	1410.0	1344.9	1257.7	1190.8	1132.1	1051.9
102.5°	1409.1	1403.7	1398.4	*1397.5*	1389.5	1365.4	1303.1	1222.9	1159.7	1108.0	1030.5
105°	1361.0	1359.2	1351.2	*1344.0*	1339.6	1312.9	1255.9	1184.6	1126.7	1078.6	1007.4
107.5°	1312.0	1308.4	1296.8	*1294.2*	1285.3	1261.2	1209.6	1146.3	1093.8	1049.2	979.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	1259.4	1257.7	1245.2	*1237.2*	1230.0	1203.3	1158.8	1105.3	1057.2	1016.3	948.6
112.5°	1200.6	1198.9	1185.5	*1179.3*	1168.6	1148.1	1106.2	1058.1	1017.2	979.8	914.7
115°	1141.0	1140.1	1124.9	*1116.9*	1107.1	1082.2	1048.3	1010.9	974.4	937.0	873.8
117.5°	1081.3	1076.8	1061.7	*1051.9*	1042.1	1019.8	992.2	962.8	929.0	894.2	831.9
120°	1013.6	1012.7	995.8	*987.8*	978.9	958.4	934.3	906.7	880.0	845.3	790.0
122.5°	948.6	947.7	932.5	*922.8*	911.2	895.1	875.5	854.2	830.1	796.3	741.9
125°	882.7	880.9	864.9	*855.1*	845.3	831.9	813.2	798.1	778.5	746.4	694.7
127.5°	815.9	812.3	802.5	*792.7*	782.0	765.1	758.9	745.5	724.1	693.0	647.5
130°	753.5	751.7	738.4	*729.5*	718.8	705.4	700.1	689.4	674.3	645.7	603.0
132.5°	688.5	686.7	678.7	*669.8*	660.9	647.5	644.9	635.1	619.9	596.8	556.7
135°	630.6	628.8	619.9	*610.1*	605.7	595.9	592.3	584.3	570.0	546.9	512.1
137.5°	574.5	573.6	564.7	*556.7*	551.3	544.2	540.6	533.5	522.8	502.3	470.3
140°	523.7	519.3	512.1	*505.0*	499.7	492.5	490.8	484.5	476.5	456.9	433.8
142.5°	473.0	470.3	464.9	*458.7*	455.1	447.1	442.7	440.0	429.3	414.2	395.5
145°	423.1	423.1	418.6	*414.2*	408.8	403.5	399.9	397.2	388.3	375.0	357.2
147.5°	381.2	381.2	377.7	*375.9*	371.4	364.3	361.6	358.9	350.9	340.2	326.0
150°	345.6	343.8	341.1	*338.5*	334.9	328.7	324.2	321.5	315.3	307.3	293.9
152.5°	310.0	310.0	308.2	*304.6*	301.9	297.5	293.9	290.4	285.9	277.0	266.3
155°	279.7	279.7	277.0	*275.2*	273.4	269.9	266.3	262.8	257.4	250.3	242.3
157.5°	254.7	254.7	253.0	*252.1*	248.5	246.7	243.2	239.6	234.3	228.0	220.9
160°	231.6	232.5	231.6	*230.7*	228.0	225.3	221.8	218.2	213.8	208.4	203.1
162.5°	212.9	213.8	212.0	*211.1*	209.3	206.6	203.1	201.3	197.7	191.5	186.2
165°	196.8	196.8	196.0	*195.1*	194.2	190.6	188.8	187.0	183.5	179.0	174.6
167.5°	184.4	184.4	183.5	*183.5*	181.7	179.9	177.2	175.5	171.9	169.2	163.9
170°	173.7	173.7	172.8	*171.9*	171.0	169.2	167.4	164.8	163.0	159.4	156.8
172.5°	164.8	164.8	163.9	*163.0*	163.0	160.3	159.4	157.7	155.9	153.2	150.5
175°	157.7	156.8	156.8	*155.9*	155.0	153.2	152.3	151.4	149.6	148.7	147.0
177.5°	151.4	151.4	150.5	*150.5*	149.6	147.9	147.9	147.0	146.1	145.2	144.3
180°	143.4	143.4	143.4	*143.4*	143.4	143.4	143.4	143.4	143.4	143.4	143.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2.5°	97.1	94.4	87.3	81.1	76.6	70.4	65.0	63.2	62.3	61.5	61.5
5°	106.9	101.5	89.1	77.5	66.8	57.9	49.9	41.9	35.6	32.1	30.3
7.5°	134.5	128.3	111.3	96.2	81.1	67.7	54.3	44.5	35.6	30.3	30.3
10°	171.0	162.1	140.7	119.4	100.6	81.1	65.0	51.7	43.6	39.2	39.2
12.5°	209.3	197.7	172.8	145.2	119.4	97.1	77.5	63.2	54.3	50.8	50.8
15°	254.7	239.6	207.5	172.8	141.6	114.9	92.6	76.6	65.9	61.5	60.6
17.5°	298.4	278.8	240.5	201.3	163.9	131.8	106.0	85.5	73.9	67.7	66.8
20°	344.7	320.6	275.2	227.1	184.4	145.2	114.0	91.7	76.6	69.5	68.6
22.5°	387.4	361.6	307.3	251.2	200.4	155.0	118.5	92.6	75.7	67.7	66.8
25°	436.4	407.0	342.9	277.0	217.3	163.0	122.0	92.6	74.8	65.9	65.0
27.5°	486.3	451.6	379.4	302.8	232.5	171.9	124.7	92.6	73.0	64.1	63.2
30°	538.9	500.6	414.2	329.6	248.5	179.0	127.4	91.7	72.1	62.3	61.5
32.5°	592.3	547.8	452.5	355.4	264.5	186.2	129.1	91.7	70.4	61.5	59.7
35°	646.6	595.0	490.8	382.1	278.8	192.4	130.0	90.9	69.5	59.7	58.8
37.5°	694.7	641.3	526.4	406.2	292.1	196.8	130.9	90.0	68.6	58.8	57.9
40°	743.7	685.8	560.2	427.5	301.9	199.5	130.0	89.1	66.8	57.9	57.0
42.5°	788.3	725.9	591.4	448.0	310.8	202.2	129.1	87.3	65.9	57.0	56.1
45°	831.0	765.1	620.8	465.8	318.9	203.1	127.4	86.4	65.0	57.0	56.1
47.5°	870.2	798.9	649.3	482.8	326.0	203.1	126.5	84.6	65.0	57.0	56.1
50°	903.2	832.8	672.5	497.9	330.4	202.2	124.7	83.7	65.0	57.0	56.1
52.5°	935.2	860.4	695.6	509.5	333.1	200.4	122.0	82.8	65.0	57.9	57.0
55°	961.1	885.3	715.2	521.9	335.8	198.6	120.2	81.9	65.0	57.9	57.9
57.5°	983.3	905.8	730.4	530.0	335.8	195.1	118.5	81.9	65.9	59.7	58.8
60°	1004.7	924.5	746.4	537.1	335.8	192.4	116.7	81.9	66.8	60.6	59.7
62.5°	1018.9	939.7	758.9	543.3	334.0	189.7	114.9	81.9	67.7	62.3	61.5
65°	1033.2	953.9	770.4	548.7	333.1	187.0	114.9	82.8	69.5	65.0	64.1
67.5°	1043.9	965.5	778.5	552.2	331.3	184.4	114.0	84.6	72.1	67.7	66.8
70°	1052.8	974.4	788.3	554.9	329.6	182.6	114.9	87.3	74.8	70.4	70.4
72.5°	1059.9	982.4	793.6	557.6	327.8	181.7	116.7	90.0	79.3	74.8	73.9
75°	*1064.4*	*986.9*	*798.9*	*558.5*	*326.0*	*180.8*	*118.5*	*93.5*	*82.8*	*79.3*	*78.4*
76°	1065.3	988.7	800.7	559.4	325.1	180.8	119.4	94.4	84.6	81.1	80.2
77.5°	1067.9	991.3	802.5	559.4	324.2	180.8	121.1	97.1	87.3	83.7	83.7
80°	1069.7	993.1	805.2	560.2	322.4	180.8	123.8	101.5	92.6	89.1	88.2
82.5°	1068.8	994.0	806.1	558.5	321.5	181.7	127.4	106.0	98.0	94.4	93.5
85°	1065.3	991.3	804.3	555.8	318.9	183.5	130.9	111.3	102.4	98.9	98.9
87.5°	1059.0	985.1	799.8	552.2	317.1	184.4	134.5	115.8	107.8	104.2	104.2
90°	1050.1	978.0	794.5	548.7	314.4	185.3	138.9	120.2	113.1	110.4	109.6
92.5°	1039.4	969.1	787.4	543.3	312.6	187.0	142.5	125.6	118.5	114.9	114.9
95°	1028.7	959.3	779.4	537.1	310.8	189.7	146.1	130.0	122.9	120.2	120.2
97.5°	1013.6	945.9	768.7	530.0	308.2	190.6	150.5	134.5	128.3	124.7	124.7
100°	994.9	930.8	756.2	522.8	306.4	193.3	154.1	138.9	132.7	130.0	129.1
102.5°	976.2	913.0	742.8	514.8	303.7	194.2	157.7	143.4	136.3	133.6	133.6
105°	954.8	893.4	725.9	504.1	301.1	196.0	160.3	146.1	139.8	137.2	136.3
107.5°	929.9	868.4	709.0	494.3	298.4	197.7	163.0	148.7	142.5	139.8	138.9

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1045923
CATALOG NUMBER: FFX-CLB-80-727-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	901.4	845.3	688.5	483.6	296.6	200.4	165.7	150.5	144.3	140.7	140.7
112.5°	868.4	812.3	666.2	471.2	296.6	204.0	167.4	152.3	145.2	141.6	141.6
115°	829.2	777.6	639.5	459.6	295.7	207.5	171.0	153.2	145.2	142.5	141.6
117.5°	790.9	741.1	612.8	448.0	298.4	213.8	174.6	155.0	145.2	141.6	141.6
120°	748.2	702.8	585.2	436.4	301.9	220.0	179.0	155.9	145.2	140.7	140.7
122.5°	703.6	661.8	558.5	425.7	304.6	227.1	182.6	157.7	144.3	139.8	138.9
125°	661.8	619.9	528.2	415.1	307.3	233.4	187.0	158.5	143.4	138.1	137.2
127.5°	615.5	583.4	501.5	403.5	309.1	238.7	190.6	159.4	142.5	136.3	135.4
130°	575.4	544.2	474.7	391.0	307.3	240.5	191.5	158.5	140.7	134.5	134.5
132.5°	530.8	505.9	445.3	375.0	302.8	240.5	192.4	158.5	139.8	133.6	132.7
135°	491.7	468.5	417.7	357.2	294.8	236.9	190.6	157.7	138.9	132.7	131.8
137.5°	455.1	432.9	388.3	338.5	283.2	230.7	187.0	155.9	138.1	131.8	130.9
140°	416.0	399.9	361.6	318.0	270.8	223.6	182.6	154.1	138.1	131.8	130.9
142.5°	380.3	367.0	332.2	295.7	254.7	212.9	177.2	151.4	137.2	131.8	130.9
145°	348.3	333.1	306.4	273.4	238.7	203.1	171.9	149.6	136.3	131.8	130.9
147.5°	317.1	303.7	281.5	253.0	224.5	193.3	166.6	147.0	136.3	131.8	130.9
150°	285.9	277.0	257.4	234.3	208.4	183.5	161.2	145.2	136.3	132.7	131.8
152.5°	259.2	253.0	236.0	217.3	195.1	173.7	155.9	143.4	136.3	132.7	132.7
155°	236.9	230.7	216.4	199.5	183.5	165.7	152.3	141.6	136.3	133.6	132.7
157.5°	214.7	210.2	198.6	186.2	172.8	159.4	148.7	140.7	136.3	133.6	133.6
160°	197.7	193.3	184.4	174.6	163.9	154.1	145.2	138.9	136.3	134.5	134.5
162.5°	183.5	179.9	172.8	164.8	156.8	148.7	142.5	138.1	136.3	134.5	134.5
165°	171.9	169.2	163.0	156.8	151.4	145.2	140.7	138.1	136.3	135.4	135.4
167.5°	162.1	160.3	155.9	151.4	147.0	142.5	138.9	137.2	136.3	136.3	136.3
170°	155.0	153.2	150.5	147.0	143.4	140.7	138.1	137.2	137.2	136.3	137.2
172.5°	149.6	148.7	146.1	143.4	141.6	138.9	138.1	137.2	138.1	138.1	138.1
175°	146.1	145.2	143.4	141.6	140.7	138.9	138.9	138.1	138.9	139.8	139.8
177.5°	143.4	142.5	141.6	141.6	140.7	139.8	139.8	140.7	141.6	141.6	141.6
180°	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

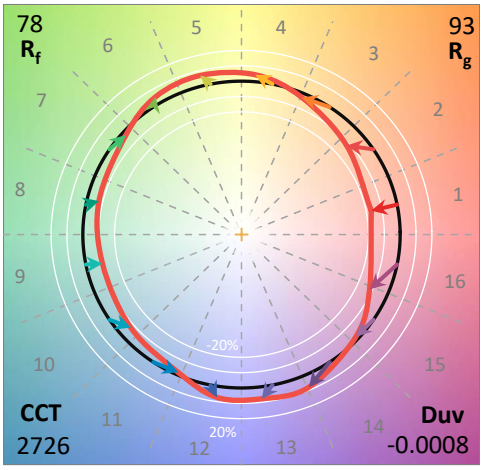
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

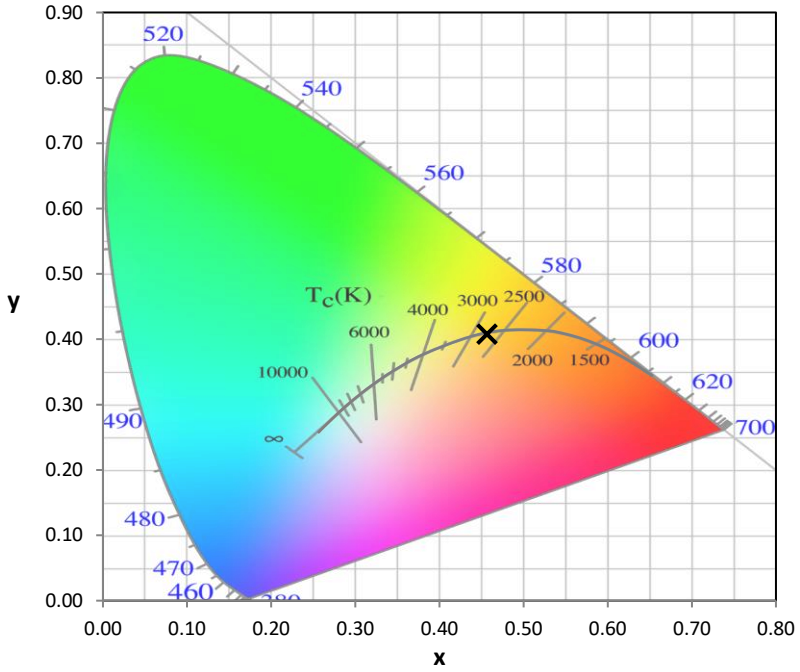
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

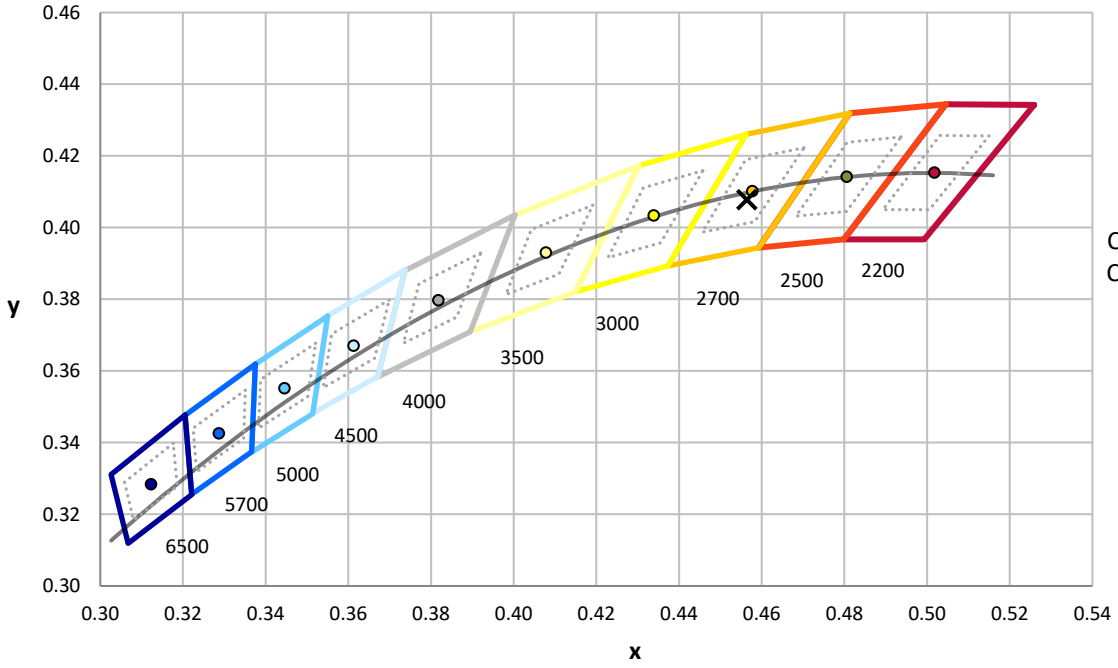
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

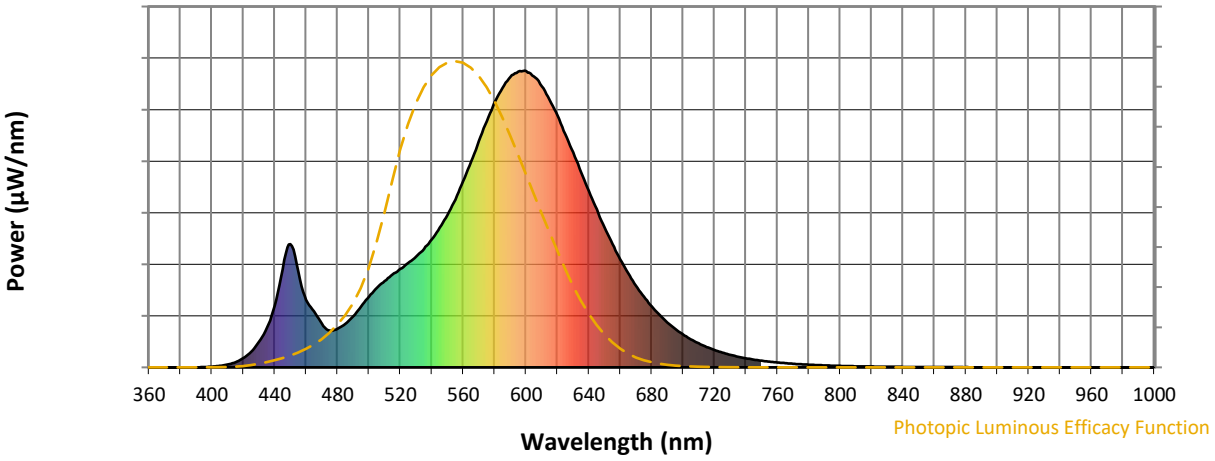


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

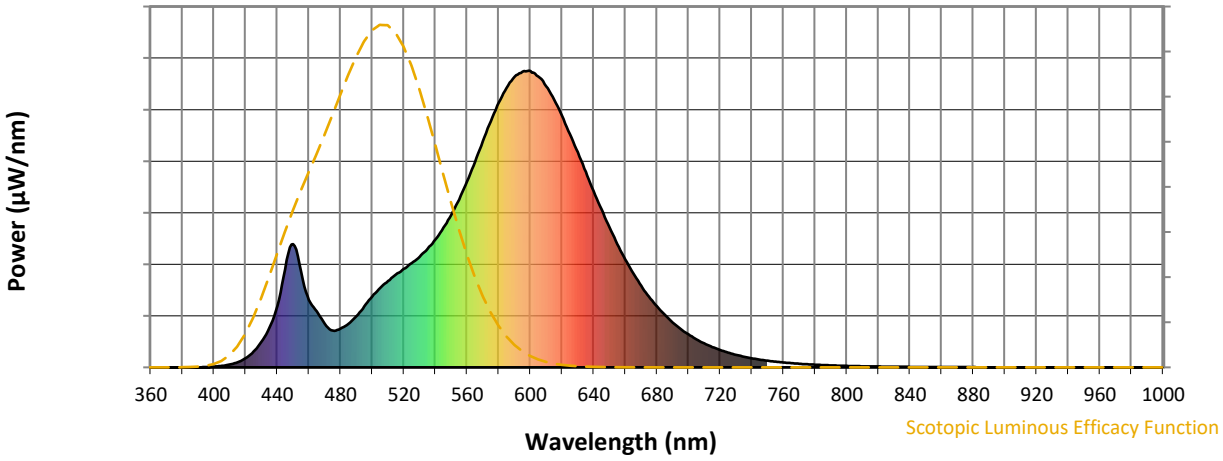


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

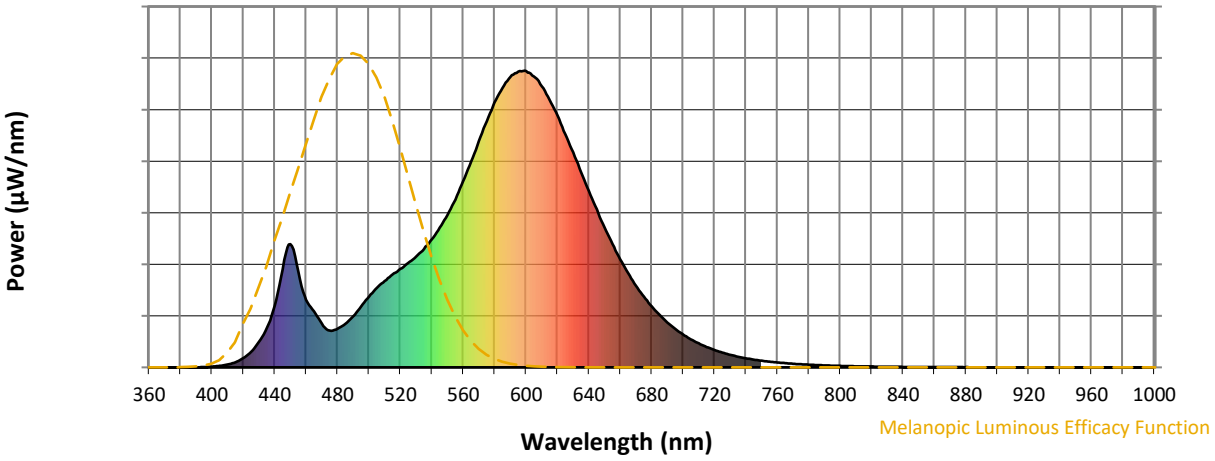


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

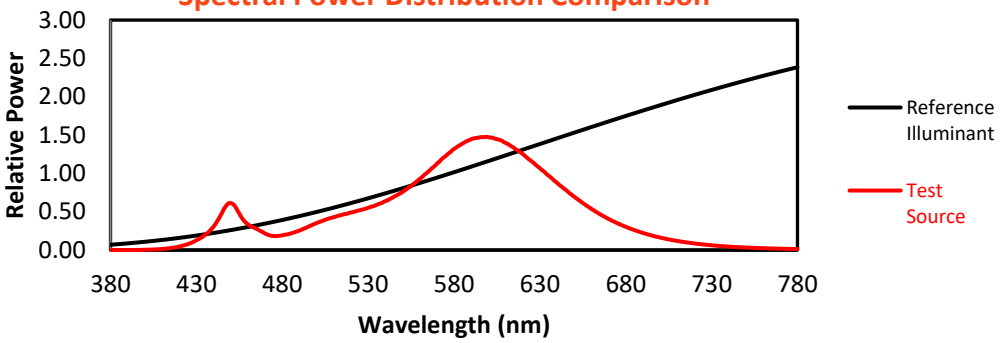
REPORT NUMBER: SP1-2501-332-3

TM-30-18

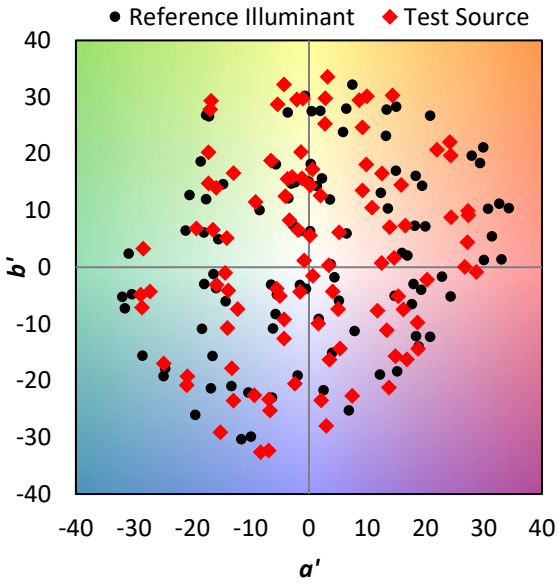
Summary

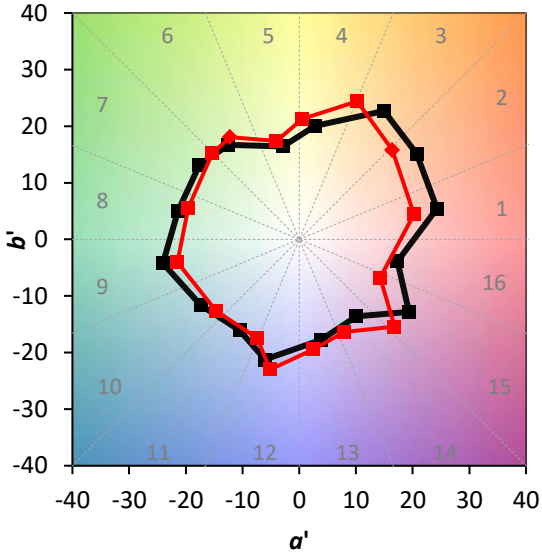
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

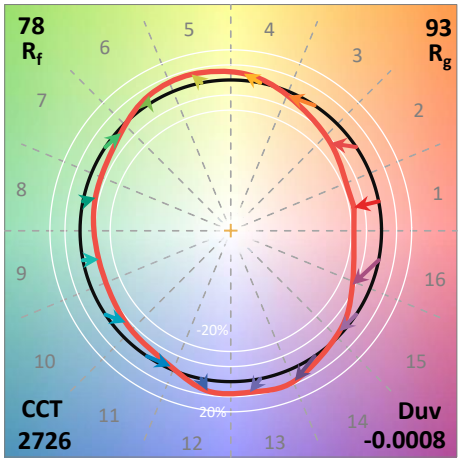
Spectral Power Distribution Comparison

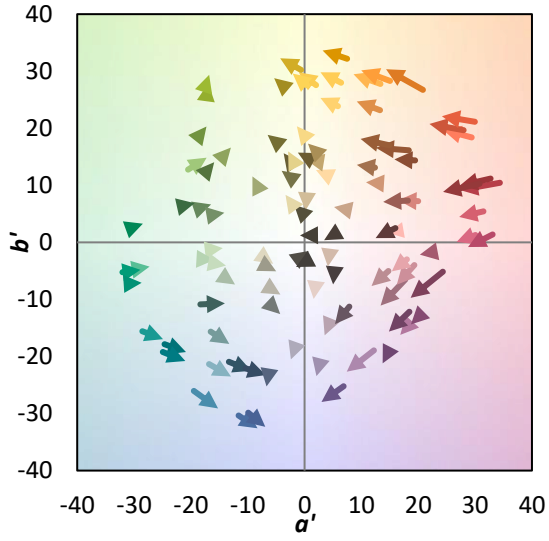


Color Vector Graphics







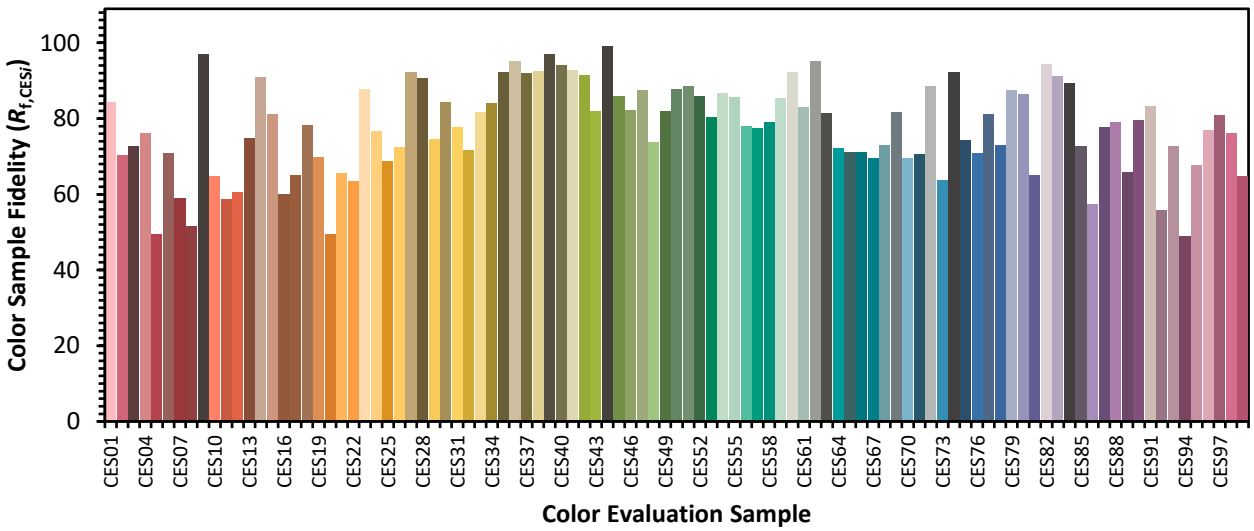


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

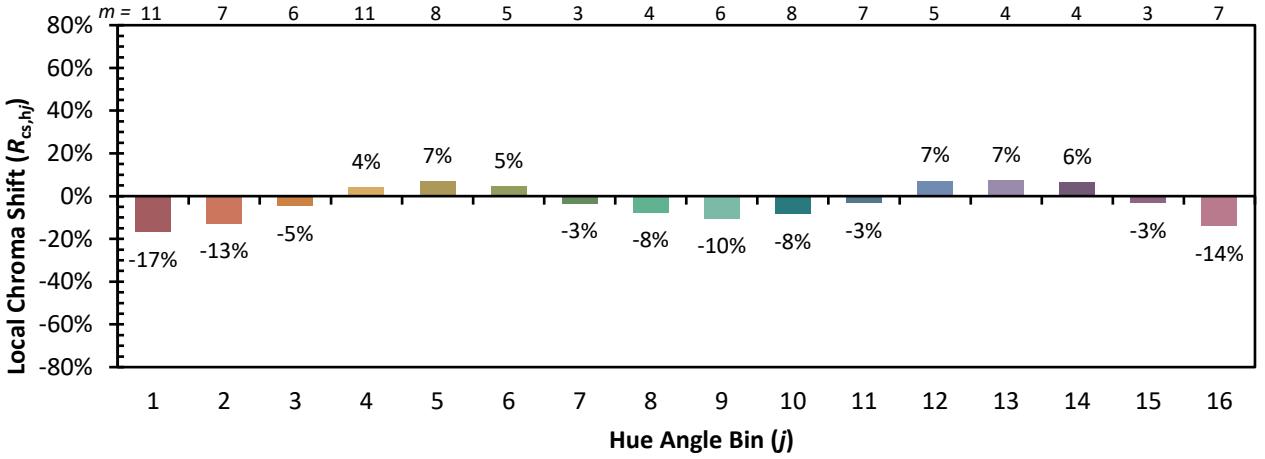
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

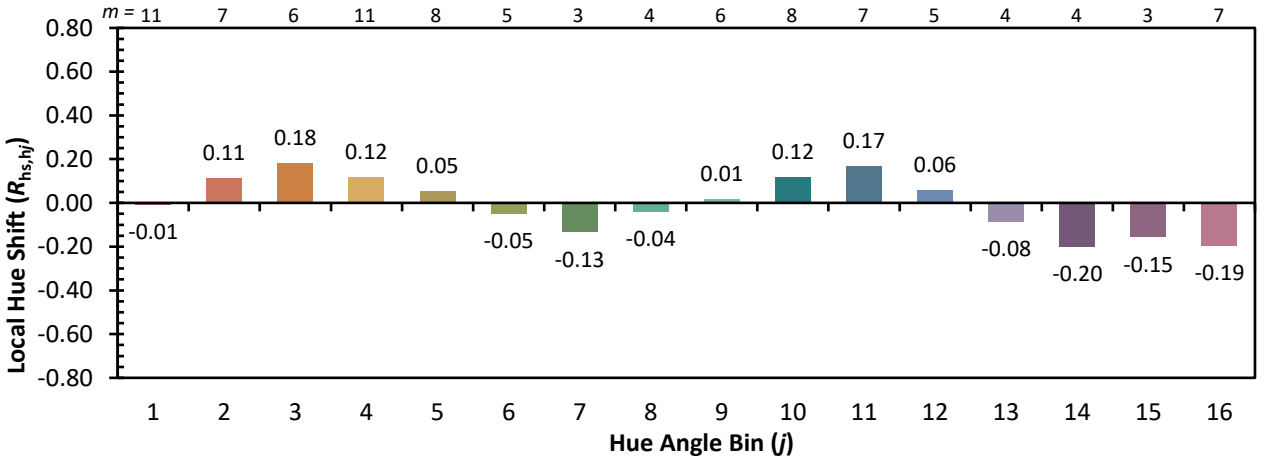


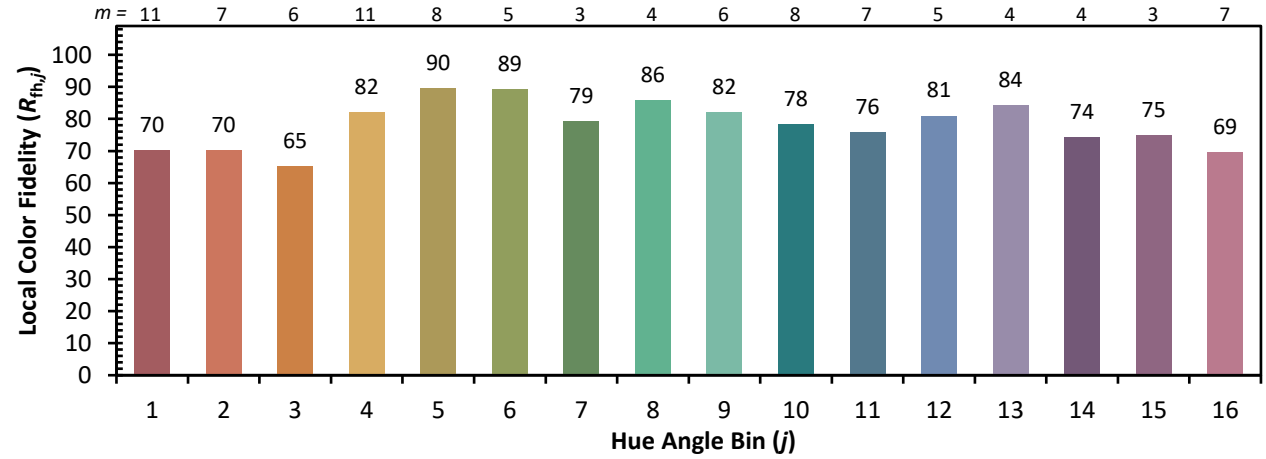
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Color Rendition by Hue-Angle Bin



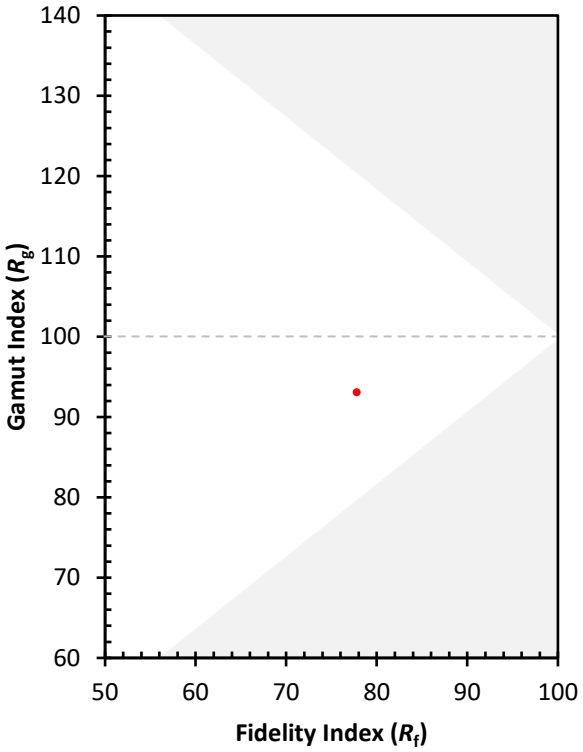


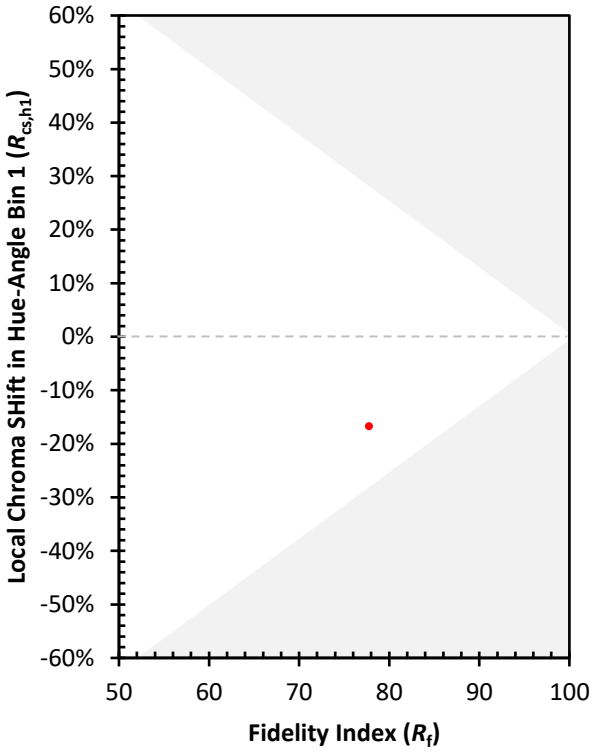


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Measure Comparisons





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