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: P1045979

Luminaire Tested: **FFX-CLB-60-730-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045979
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6515.3 lumens
Efficiency:	N/A
Efficacy:	107.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

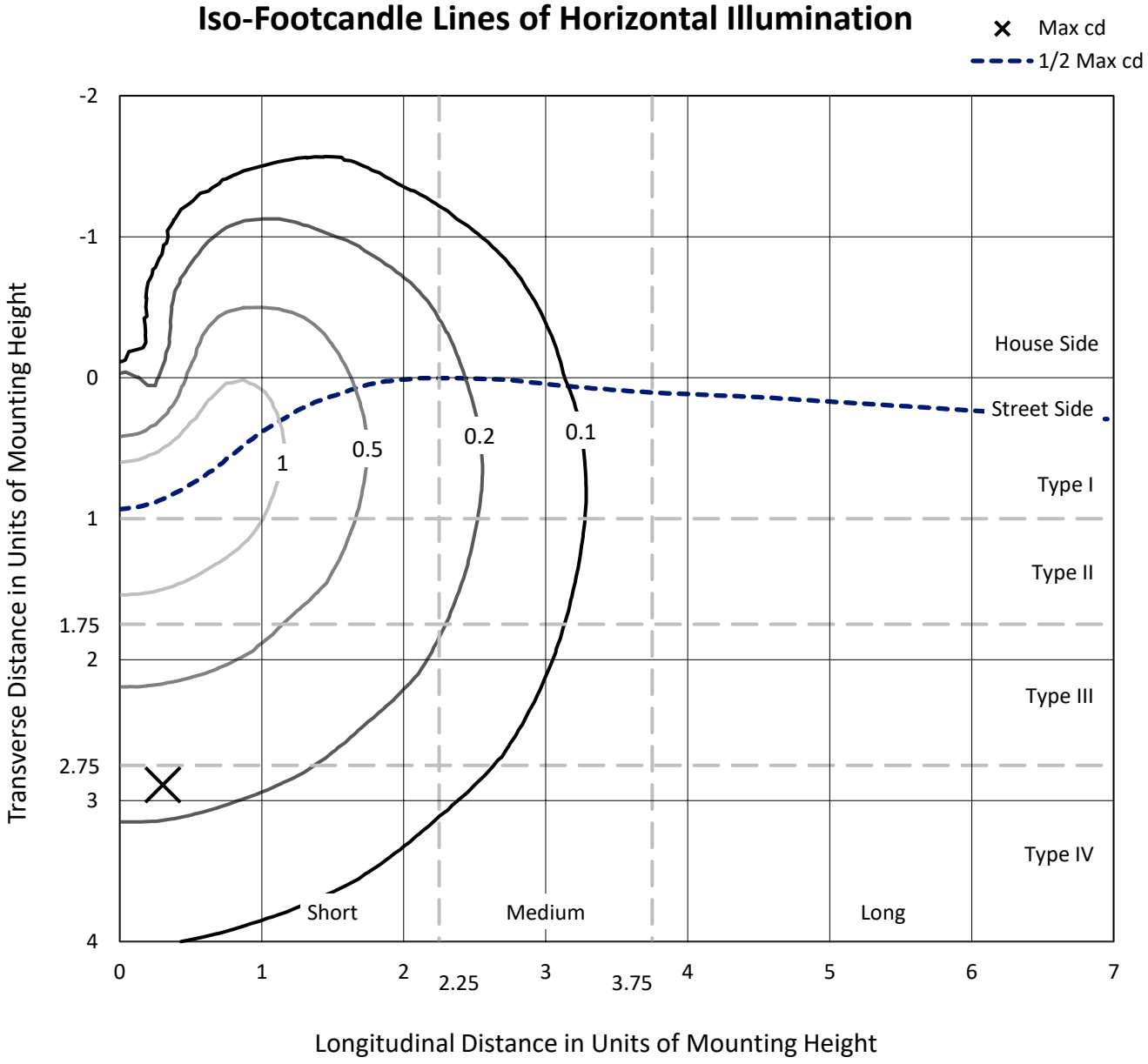


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Iso-Footcandle Lines of Horizontal Illumination



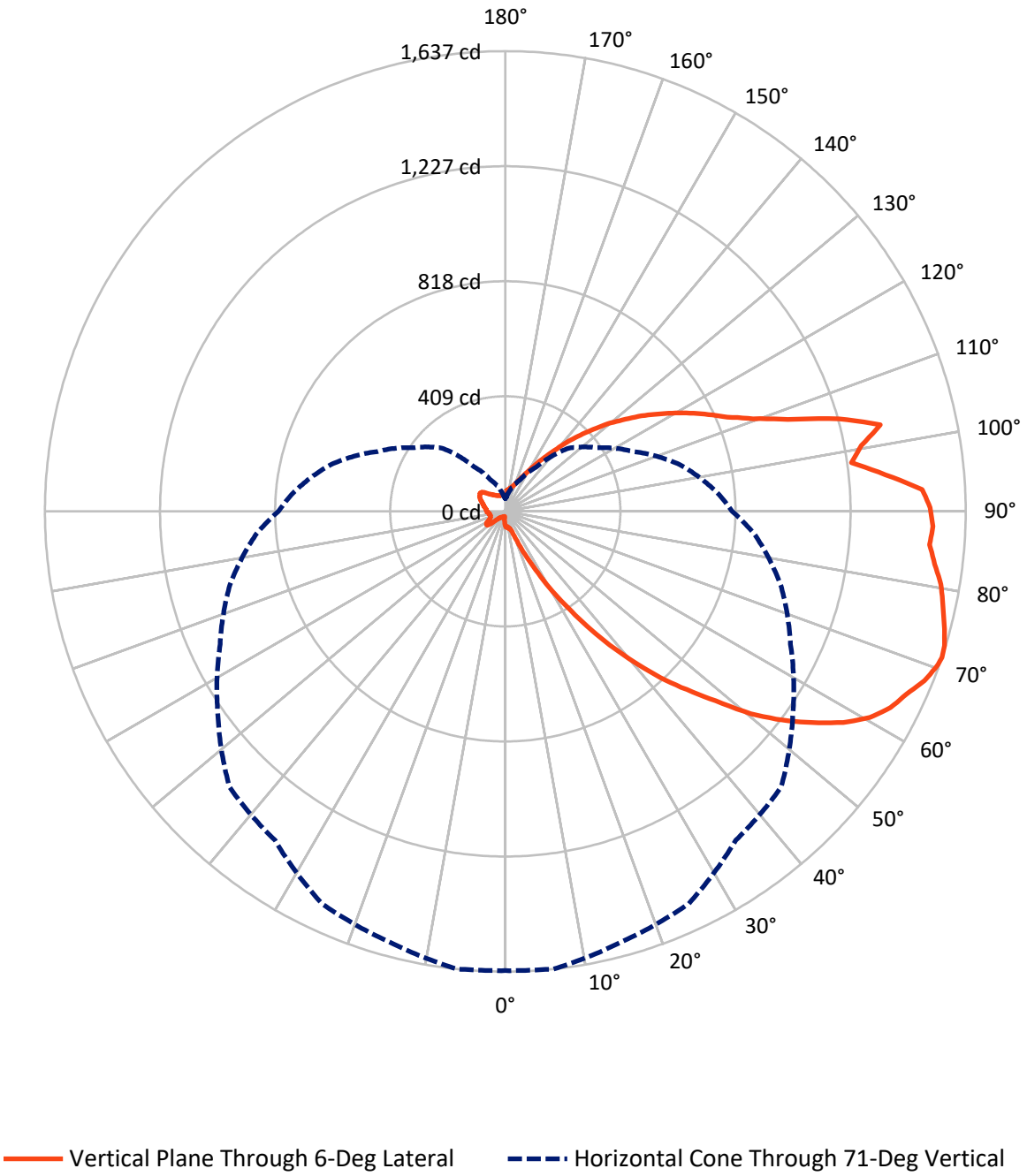
Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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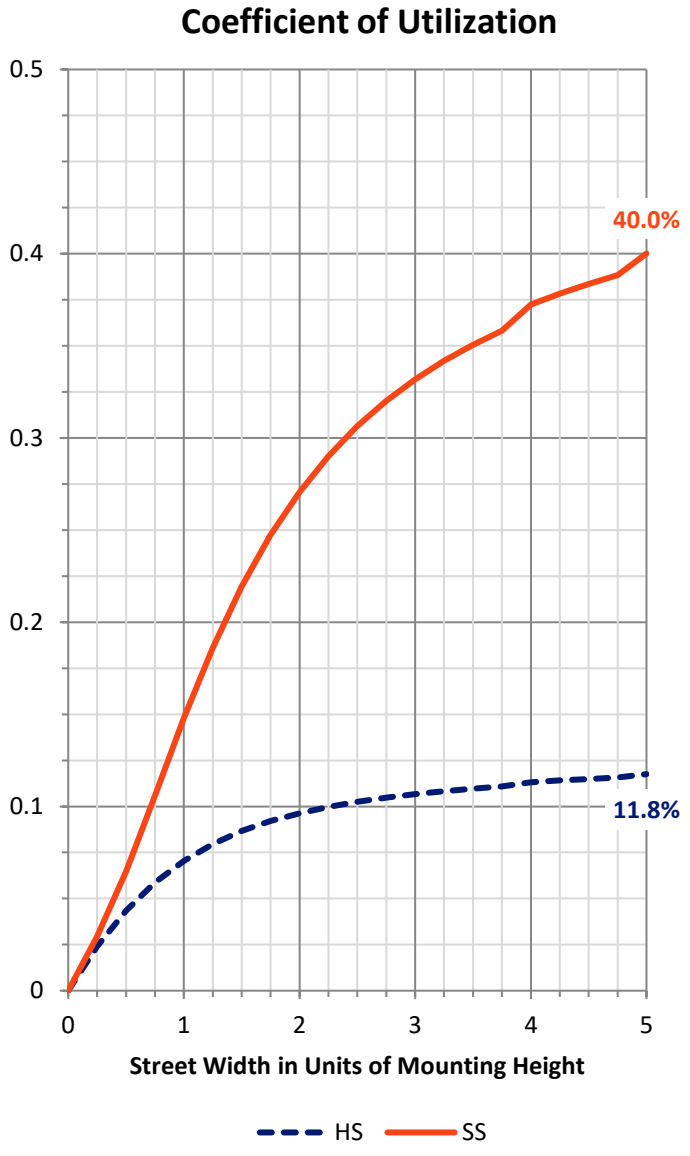
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	836.6	663.5	1500.1
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	3051.9	1963.3	5015.2
	% Fixture	46.8	30.1	77.0
Total	Lumens	3888.6	2626.8	6515.3
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	13.6	0.2
20°-30°	61.9	0.9
30°-40°	206.9	3.2
40°-50°	421.6	6.5
50°-60°	648.6	10.0
60°-70°	807.1	12.4
70°-80°	863.2	13.2
80°-90°	861.6	13.2
90°-100°	778.7	12.0
100°-110°	681.1	10.5
110°-120°	464.3	7.1
120°-130°	327.9	5.0
130°-140°	198.8	3.1
140°-150°	100.8	1.5
150°-160°	47.0	0.7
160°-170°	21.5	0.3
170°-180°	6.7	0.1
0°-90°	3888.6	59.7
0°-180°	6515.3	100.0



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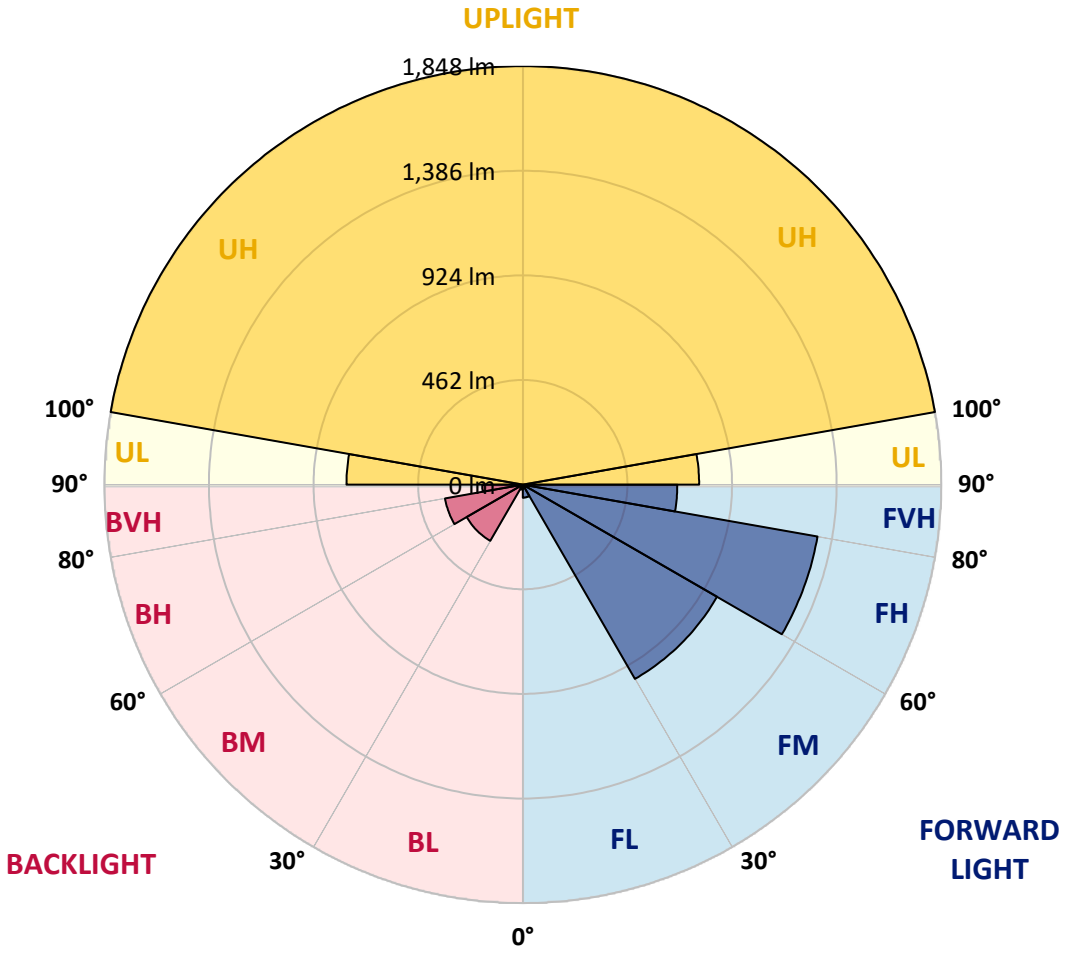
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	57.6	0.9			
FM	(30°-60°)	990.5	15.2			
FH	(60°-80°)	1321.5	20.3			G1/1800
FVH	(80°-90°)	682.3	10.5			G4/750
BL	(0°-30°)	22.1	0.3	B0/110		
BM	(30°-60°)	286.5	4.4	B1/1000		
BH	(60°-80°)	348.8	5.4	B1/500		G1/500
BVH	(80°-90°)	179.3	2.8			G2/225
UL	(90°-100°)	778.7	12.0		U4/1000	
UH	(100°-180°)	1848.1	28.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	53.1	53.1	*53.1*	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	57.3	57.3	*57.3*	57.3	57.3	57.3	56.6	55.2	54.5	53.8	53.1
5°	54.5	54.5	*54.5*	54.5	54.5	54.5	54.5	53.8	53.1	51.7	50.2
7.5°	54.5	54.5	*54.5*	54.5	53.8	53.1	52.4	51.7	50.9	48.1	45.3
10°	59.4	60.1	*59.4*	59.4	57.3	55.2	53.8	51.7	50.2	48.8	45.3
12.5°	63.0	63.0	*63.0*	62.3	60.8	59.4	56.6	53.1	50.2	47.4	44.6
15°	65.1	65.1	*65.1*	65.1	63.7	61.6	59.4	56.6	53.8	50.2	46.7
17.5°	73.6	73.6	*73.6*	72.9	71.5	70.0	68.6	67.2	65.1	61.6	58.0
20°	96.9	99.1	*98.3*	96.2	94.8	93.4	94.1	92.7	91.3	86.3	80.7
22.5°	134.4	137.3	*136.6*	137.3	135.1	133.7	133.0	134.4	131.6	124.5	113.9
25°	188.9	188.9	*186.8*	192.5	193.2	186.1	187.5	186.8	184.7	171.9	155.0
27.5°	249.8	248.3	*247.6*	256.8	258.3	255.4	258.3	253.3	246.2	232.1	210.8
30°	320.5	326.2	*329.0*	330.4	334.7	337.5	341.0	336.8	317.7	300.7	271.0
32.5°	410.4	406.8	*406.1*	421.0	428.8	429.5	438.0	425.9	404.7	372.9	334.0
35°	509.4	500.9	*502.4*	511.5	524.3	533.5	539.9	516.5	494.6	452.8	401.9
37.5°	602.8	603.5	*602.8*	606.4	630.4	633.2	634.7	608.5	576.6	533.5	469.8
40°	698.3	699.8	*703.3*	714.6	740.1	735.1	723.8	700.5	659.4	610.6	535.6
42.5°	796.7	805.9	*808.0*	813.7	831.4	829.9	810.8	784.7	737.3	676.4	592.2
45°	902.1	900.7	*904.2*	912.0	926.2	926.2	892.2	854.0	802.3	733.7	643.2
47.5°	1001.9	1012.5	*1006.1*	1025.2	1018.1	1023.1	965.1	918.4	861.8	780.4	685.6
50°	1127.8	1133.5	*1131.4*	1129.2	1108.0	1108.0	1048.6	985.6	921.9	825.7	728.1
52.5°	1234.7	1236.8	*1233.2*	1224.7	1195.0	1185.1	1115.1	1042.2	975.0	878.8	769.1
55°	1333.7	1319.6	*1325.9*	1312.5	1265.8	1255.2	1188.7	1085.4	1021.7	917.0	804.5
57.5°	1406.6	1414.4	*1416.5*	1387.5	1340.8	1297.6	1253.0	1137.0	1057.1	953.1	827.8
60°	1468.8	1490.1	*1488.7*	1444.8	1403.8	1326.6	1301.9	1182.3	1080.4	984.9	853.3
62.5°	1515.5	1538.2	*1536.8*	1501.4	1464.6	1356.3	1328.8	1209.2	1094.6	1001.2	872.4
65°	1561.5	1572.1	*1567.2*	1553.0	1509.2	1383.9	1354.2	1221.2	1106.6	1008.2	879.5
67.5°	1608.2	1607.5	*1606.8*	1587.0	1539.6	1409.4	1374.7	1238.9	1118.6	1016.0	884.4
70°	1631.6	1633.0	*1632.3*	1590.5	1546.7	1426.4	1386.1	1248.1	1121.4	1016.0	888.7
71°	*1633.0*	*1635.1*	*1636.5*	*1586.3*	*1540.3*	*1427.8*	*1386.8*	*1248.1*	*1118.6*	*1013.9*	*886.5*
72.5°	1623.1	1633.7	*1632.3*	1575.7	1531.1	1425.7	1381.8	1242.4	1114.4	1005.4	880.2
75°	1601.2	1620.3	*1611.8*	1554.5	1507.8	1411.5	1368.4	1236.8	1103.8	994.1	874.5
77.5°	1582.1	1604.0	*1589.8*	1536.8	1495.0	1401.6	1361.3	1238.2	1096.0	987.0	872.4
80°	1569.3	1581.3	*1570.0*	1526.2	1484.4	1390.3	1356.3	1238.9	1093.9	983.5	866.0
82.5°	1550.2	1545.3	*1537.5*	1502.8	1460.4	1369.8	1336.5	1227.6	1088.9	976.4	859.0
85°	1533.2	1512.7	*1512.7*	1481.6	1438.4	1353.5	1313.2	1214.1	1080.4	969.3	850.5
87.5°	1543.1	1515.5	*1521.2*	1491.5	1444.1	1355.6	1308.9	1212.7	1083.9	970.7	845.5
90°	1533.2	1507.1	*1509.9*	1478.8	1423.6	1333.7	1277.1	1184.4	1061.3	950.9	827.8
92.5°	1516.3	1488.7	*1484.4*	1452.6	1396.7	1311.8	1252.3	1166.0	1043.6	935.4	821.5
95°	1385.4	1365.5	*1357.1*	1334.4	1291.3	1217.0	1170.3	1087.5	965.8	866.7	768.4
97.5°	1250.9	1254.5	*1242.4*	1215.5	1168.1	1110.1	1058.5	979.2	876.6	791.0	695.5
100°	1304.0	1299.0	*1287.0*	1250.9	1201.4	1136.3	1075.5	999.0	899.3	822.2	716.7
102.5°	1362.0	1373.3	*1368.4*	1323.1	1267.2	1214.8	1168.9	1092.4	982.8	901.4	788.9
105°	1203.5	1226.2	*1231.1*	1195.7	1154.7	1110.8	1070.5	1016.7	921.9	838.4	750.0
107.5°	1049.3	1052.8	*1056.4*	1029.5	1008.9	970.0	929.7	880.9	808.7	745.0	658.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	942.4	946.0	*940.3*	929.0	907.8	878.1	833.5	799.5	736.5	682.8	604.2
112.5°	857.5	861.1	*856.8*	842.7	823.6	800.2	753.5	725.2	671.5	621.2	550.5
115°	803.1	807.3	*800.2*	785.4	769.1	756.4	716.0	674.3	625.5	580.9	520.0
117.5°	751.4	759.9	*743.6*	739.4	727.3	714.6	668.6	631.8	589.4	549.0	500.2
120°	694.8	701.9	*688.4*	683.5	676.4	663.7	620.5	587.3	553.3	517.2	470.5
122.5°	649.5	639.6	*633.2*	633.2	624.8	616.3	571.7	544.1	517.2	486.8	438.7
125°	597.9	584.4	*581.6*	586.5	575.9	564.6	529.2	504.5	484.0	453.5	406.1
127.5°	539.9	527.1	*527.1*	529.2	522.9	511.5	488.2	467.7	454.9	422.4	375.0
130°	485.4	478.3	*479.7*	474.8	468.4	459.2	442.2	427.4	416.7	384.2	350.2
132.5°	420.3	428.1	*428.1*	419.6	418.2	411.1	397.6	390.6	374.3	347.4	319.1
135°	374.3	380.7	*379.9*	372.2	371.5	367.2	357.3	350.9	335.4	312.7	289.4
137.5°	335.4	335.4	*334.0*	329.0	326.2	325.5	316.3	309.9	295.0	279.5	260.4
140°	297.2	290.8	*288.7*	289.4	285.1	284.4	276.6	268.9	261.8	246.9	231.4
142.5°	257.5	253.3	*251.2*	248.3	246.9	244.8	239.9	233.5	226.4	216.5	202.4
145°	220.0	220.0	*218.6*	215.8	215.8	213.0	208.0	204.5	198.1	187.5	176.2
147.5°	191.0	188.9	*188.9*	188.2	186.1	184.7	180.4	175.5	171.2	162.7	152.1
150°	164.1	164.1	*162.7*	164.1	162.7	160.6	157.8	153.5	148.6	142.2	133.7
152.5°	142.9	143.6	*142.2*	144.3	142.9	141.5	138.0	135.1	129.5	123.8	118.2
155°	127.4	128.1	*127.4*	126.6	126.6	124.5	123.1	118.9	115.3	110.4	105.4
157.5°	113.2	113.9	*113.9*	113.9	113.9	111.8	109.0	106.1	103.3	99.1	94.8
160°	104.0	103.3	*103.3*	102.6	101.9	101.2	99.1	96.2	94.1	90.6	87.0
162.5°	94.8	94.8	*94.8*	94.1	93.4	92.7	91.3	88.4	86.3	83.5	80.7
165°	88.4	88.4	*88.4*	88.4	87.0	86.3	84.9	82.8	81.4	78.5	75.7
167.5°	84.2	84.2	*84.2*	83.5	82.8	82.1	81.4	79.2	77.8	75.7	73.6
170°	80.7	80.7	*80.7*	80.7	80.0	78.5	77.8	76.4	75.0	73.6	71.5
172.5°	77.1	77.1	*77.1*	77.1	76.4	76.4	75.7	74.3	73.6	71.5	70.8
175°	74.3	74.3	*74.3*	74.3	73.6	73.6	72.9	72.2	71.5	70.8	69.3
177.5°	72.2	72.2	*72.2*	72.2	71.5	71.5	71.5	70.8	70.0	69.3	69.3
180°	69.3	69.3	*69.3*	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	53.1	53.1	51.7	50.9	50.2	48.8	47.4	45.3	45.3	45.3	44.6
5°	49.5	48.8	47.4	45.3	44.6	43.9	42.5	39.6	36.1	33.3	33.3
7.5°	46.0	42.5	38.9	37.5	35.4	31.8	28.3	24.1	19.1	18.4	18.4
10°	43.2	41.0	36.8	33.3	29.7	29.0	26.2	21.9	19.8	17.7	17.7
12.5°	42.5	41.0	36.1	31.8	27.6	25.5	23.3	21.2	19.1	17.7	17.7
15°	44.6	43.2	38.2	33.3	28.3	25.5	22.6	20.5	19.8	19.1	19.1
17.5°	55.9	53.8	46.7	38.9	32.5	28.3	24.8	22.6	21.9	21.2	21.2
20°	75.7	72.2	62.3	51.7	41.7	32.5	27.6	24.1	23.3	22.6	22.6
22.5°	107.5	101.2	84.2	67.9	53.1	41.0	31.8	25.5	23.3	22.6	22.6
25°	146.5	138.0	113.2	89.1	67.2	52.4	38.9	29.0	23.3	21.9	21.9
27.5°	198.1	183.3	150.0	119.6	89.9	66.5	48.8	34.7	25.5	21.9	21.2
30°	252.6	234.2	191.7	151.4	113.9	83.5	60.1	41.7	29.0	21.9	21.2
32.5°	312.0	287.3	240.6	190.3	141.5	103.3	73.6	48.8	33.3	23.3	21.9
35°	372.9	345.3	287.3	231.4	169.8	123.1	87.7	56.6	36.1	24.8	23.3
37.5°	434.4	403.3	340.3	268.2	197.4	143.6	101.9	65.1	38.9	26.2	24.8
40°	496.0	458.5	389.1	302.8	224.3	164.1	115.3	72.2	41.0	28.3	27.6
42.5°	544.1	505.9	429.5	331.8	252.6	182.5	128.8	77.8	43.2	31.8	30.4
45°	588.0	547.6	463.4	358.0	274.5	204.5	144.3	87.0	47.4	36.1	34.7
47.5°	632.5	592.9	498.8	383.5	295.8	226.4	162.7	96.9	58.7	46.7	46.0
50°	671.5	627.6	537.0	418.2	322.6	246.9	181.8	109.0	69.3	67.9	68.6
52.5°	709.0	665.1	569.6	443.6	341.0	271.7	200.2	113.9	78.5	80.0	81.4
55°	750.7	699.8	595.7	463.4	351.6	288.0	210.8	118.2	87.0	81.4	80.0
57.5°	779.0	720.3	617.0	485.4	363.0	297.9	211.6	123.1	94.1	78.5	76.4
60°	798.1	731.6	628.3	497.4	378.5	307.1	209.4	123.8	98.3	72.2	65.8
62.5°	810.8	746.5	638.2	500.2	390.6	314.1	208.7	121.0	96.9	64.4	59.4
65°	816.5	759.2	647.4	501.6	392.7	319.1	208.7	119.6	94.8	56.6	50.9
67.5°	816.5	763.4	650.9	504.5	391.3	320.5	202.4	123.8	92.0	53.8	46.7
70°	812.3	761.3	646.0	503.8	394.1	319.1	195.3	123.8	87.7	53.8	44.6
71°	*806.6*	*757.1*	*642.4*	*503.1*	*394.8*	*317.7*	*192.5*	*123.1*	*85.6*	*52.4*	*45.3*
72.5°	798.8	750.7	636.1	501.6	392.7	313.4	186.8	123.8	83.5	51.7	46.0
75°	790.3	745.7	631.1	496.0	392.0	307.1	176.9	121.7	82.8	52.4	47.4
77.5°	787.5	746.5	628.3	494.6	392.0	303.5	169.8	120.3	81.4	53.1	50.2
80°	781.1	745.0	622.6	491.0	390.6	297.2	167.7	120.3	80.0	53.8	51.7
82.5°	774.8	741.5	617.7	487.5	388.4	288.7	165.6	119.6	78.5	55.9	54.5
85°	769.1	740.8	617.7	485.4	387.7	283.7	164.9	118.9	77.8	58.0	56.6
87.5°	769.1	744.3	624.0	491.0	394.1	283.7	167.7	120.3	78.5	60.8	60.1
90°	754.9	728.8	614.1	487.5	396.2	284.4	170.5	123.8	81.4	63.7	62.3
92.5°	750.7	721.7	611.3	491.0	399.1	284.4	174.1	127.4	83.5	65.1	63.7
95°	704.0	671.5	575.2	466.3	381.4	276.6	175.5	126.6	84.9	65.8	65.1
97.5°	638.9	603.5	513.0	414.6	337.5	248.3	159.9	118.9	84.2	67.9	66.5
100°	660.8	619.1	524.3	421.7	331.8	243.4	157.1	115.3	86.3	70.8	69.3
102.5°	721.7	676.4	576.6	467.0	361.6	268.9	175.5	122.4	90.6	74.3	72.2
105°	685.6	635.4	556.8	452.1	352.4	268.9	176.2	124.5	94.8	77.1	75.7
107.5°	605.7	559.0	490.3	402.6	322.6	248.3	167.0	121.0	98.3	80.7	78.5

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

Scaled Data Report

REPORT NUMBER: P1045979
CATALOG NUMBER: FFX-CLB-60-730-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	559.7	509.4	446.5	367.2	300.0	230.7	160.6	118.9	100.5	84.9	82.1
112.5°	510.8	467.7	406.8	337.5	279.5	213.0	156.4	118.2	101.9	89.1	86.3
115°	483.2	438.7	386.3	319.1	266.0	207.3	155.0	121.7	106.8	94.8	92.0
117.5°	459.2	422.4	375.7	304.9	256.8	205.2	157.8	125.9	110.4	99.8	96.2
120°	434.4	400.5	358.0	293.6	249.1	198.1	158.5	128.1	113.2	104.0	101.9
122.5°	419.6	381.4	339.6	283.7	239.9	193.2	157.8	130.9	113.9	106.1	106.1
125°	392.0	361.6	319.8	271.0	226.4	190.3	157.8	129.5	116.0	109.0	107.5
127.5°	361.6	341.7	300.0	256.8	217.2	183.3	153.5	129.5	115.3	109.0	109.0
130°	333.3	315.6	281.6	237.7	208.7	173.3	147.2	123.1	111.1	106.8	106.8
132.5°	301.4	290.1	258.3	219.3	191.7	161.3	138.7	113.9	104.0	100.5	100.5
135°	272.4	261.8	232.1	199.5	174.8	150.0	128.8	107.5	95.5	91.3	91.3
137.5°	245.5	235.6	209.4	181.8	159.2	138.7	118.9	101.2	89.1	84.2	84.9
140°	217.9	205.9	188.2	164.9	144.3	128.1	109.0	94.8	83.5	79.2	78.5
142.5°	193.2	184.0	167.7	147.9	130.2	117.5	100.5	88.4	79.2	75.0	74.3
145°	170.5	162.7	148.6	132.3	118.2	106.1	92.7	82.8	75.0	71.5	70.8
147.5°	146.5	141.5	130.9	118.2	106.1	95.5	86.3	77.1	72.2	67.9	67.2
150°	128.8	125.2	116.7	106.1	96.9	88.4	81.4	72.9	68.6	65.8	65.1
152.5°	114.6	111.1	104.0	96.2	88.4	82.1	75.7	70.0	65.8	63.7	63.0
155°	102.6	99.8	94.1	87.7	81.4	75.7	70.8	66.5	63.7	61.6	61.6
157.5°	93.4	90.6	86.3	80.7	75.7	70.8	67.2	63.7	62.3	60.1	60.1
160°	85.6	83.5	80.0	75.0	70.8	67.2	64.4	61.6	60.8	59.4	59.4
162.5°	79.2	77.8	74.3	70.8	67.9	65.1	63.0	60.8	59.4	58.7	58.7
165°	75.0	73.6	71.5	68.6	65.8	63.7	62.3	60.1	59.4	59.4	58.7
167.5°	72.9	71.5	69.3	66.5	64.4	63.7	62.3	60.8	60.1	60.1	59.4
170°	70.8	70.0	68.6	66.5	64.4	63.7	63.0	61.6	61.6	60.8	60.8
172.5°	70.0	69.3	67.9	66.5	65.1	64.4	63.7	63.0	63.0	63.0	62.3
175°	69.3	69.3	67.9	66.5	65.8	65.8	65.1	64.4	64.4	64.4	64.4
177.5°	69.3	68.6	68.6	67.9	67.2	67.2	67.2	66.5	66.5	66.5	66.5
180°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3

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: SP1-2501-332-4

Test Date: 03/21/2025

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

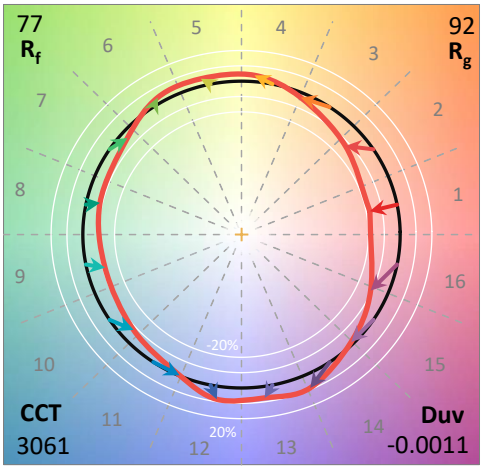
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

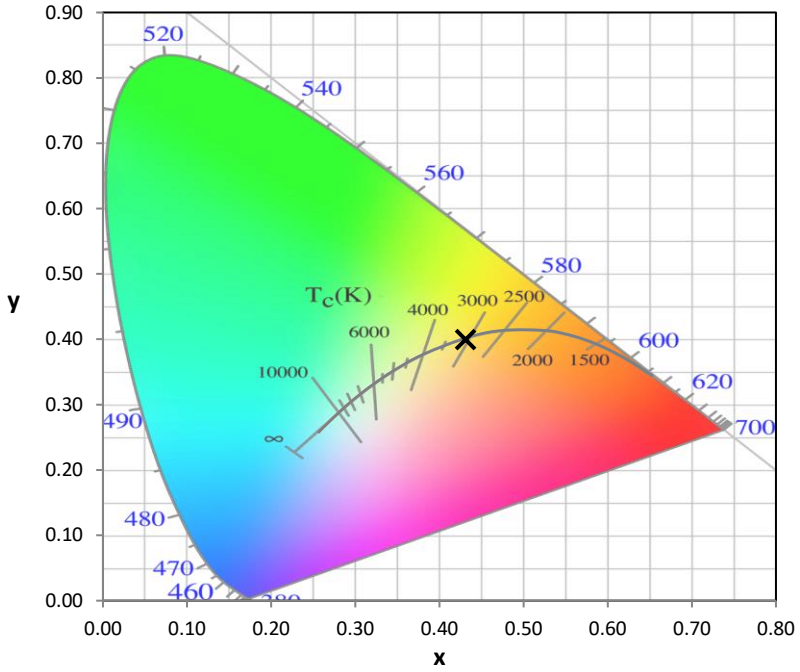
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

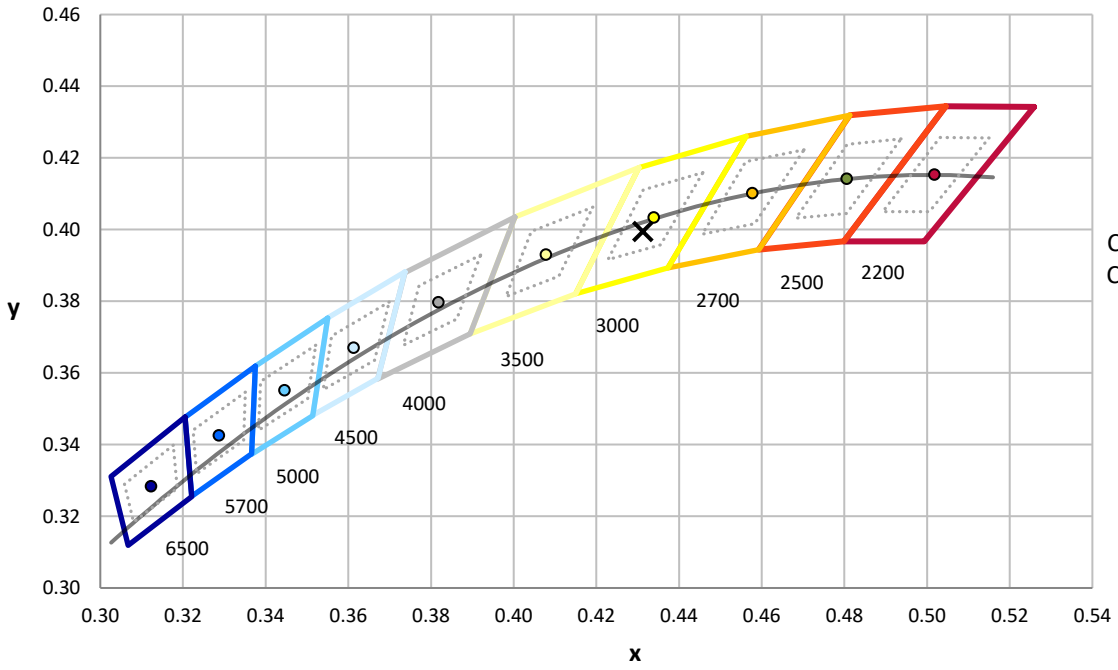
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

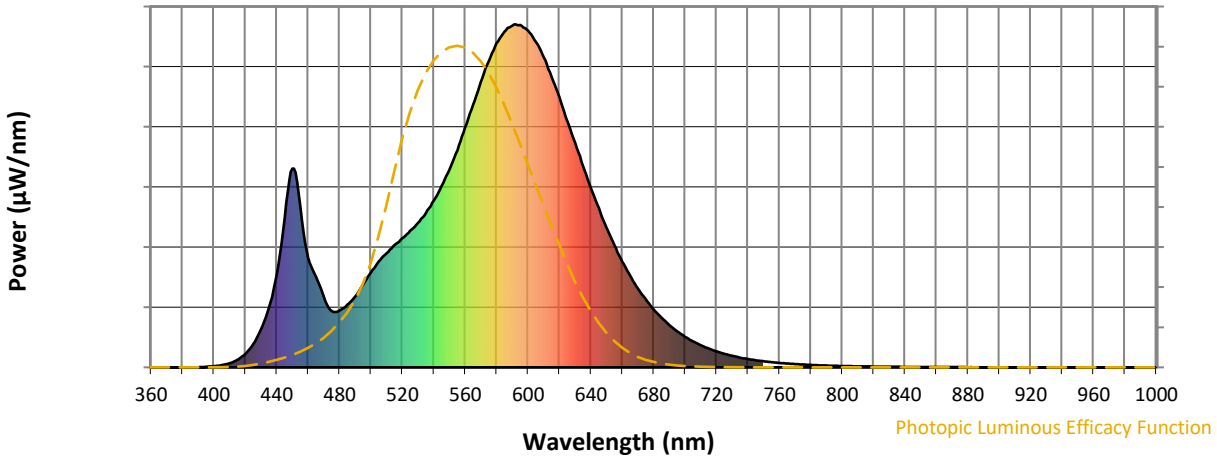


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

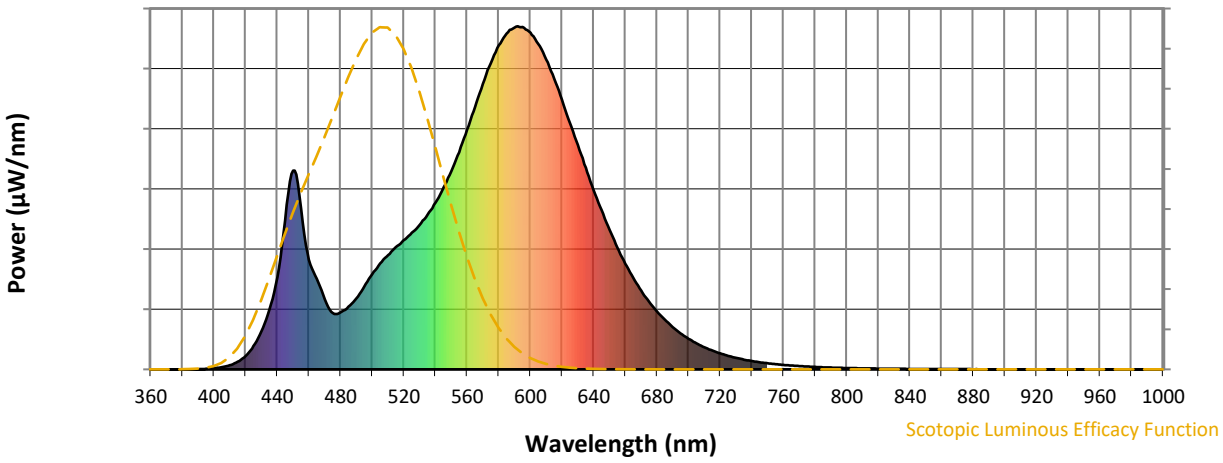


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

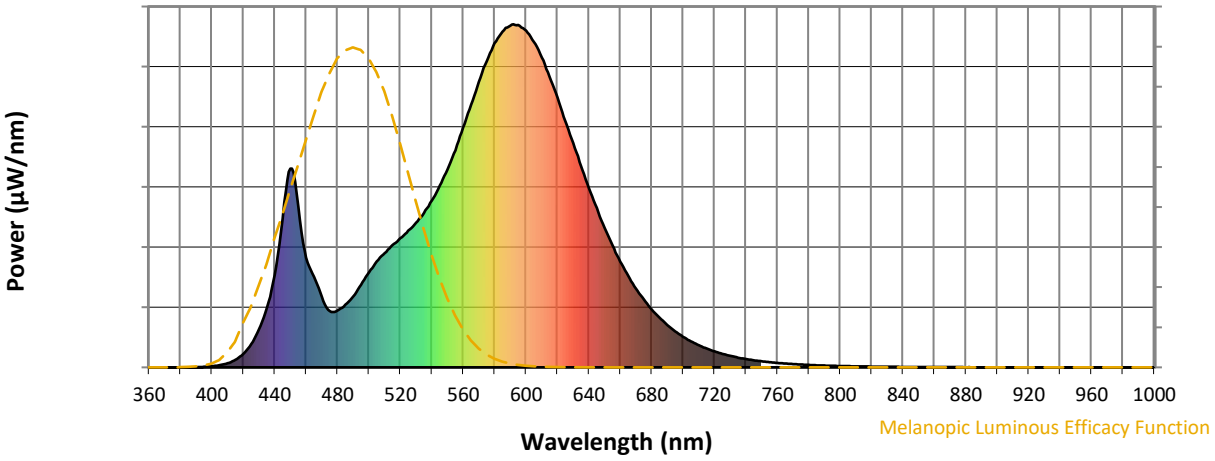


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

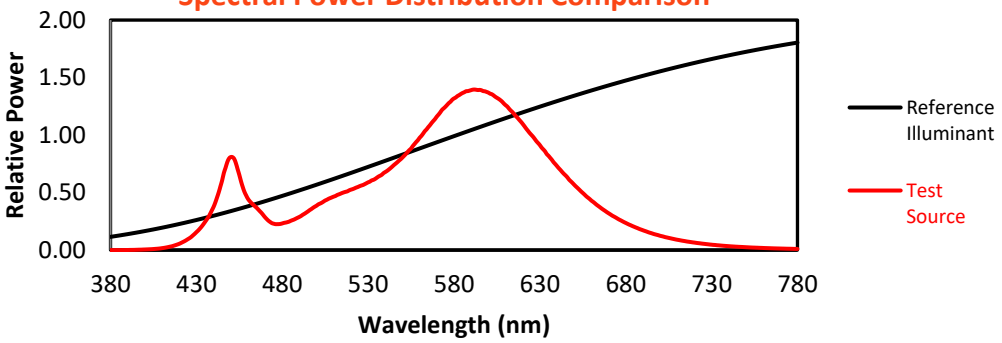
REPORT NUMBER: SP1-2501-332-4

TM-30-18

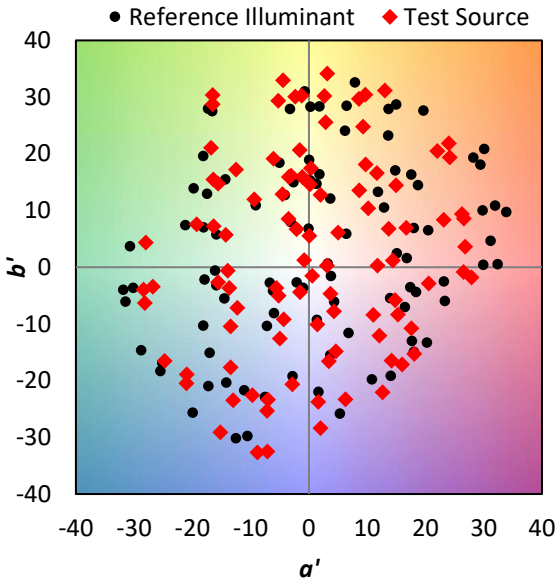
Summary

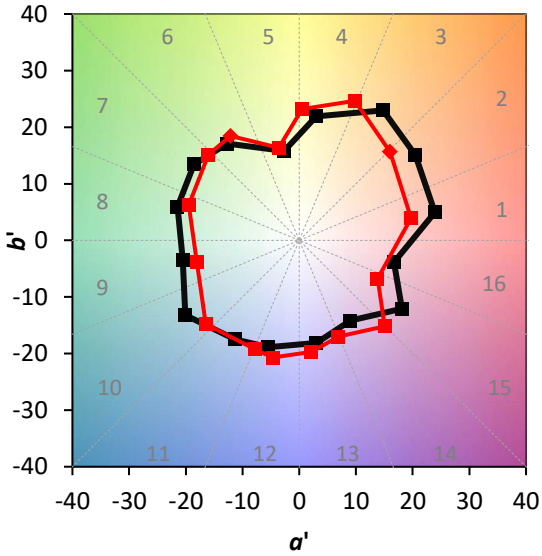
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

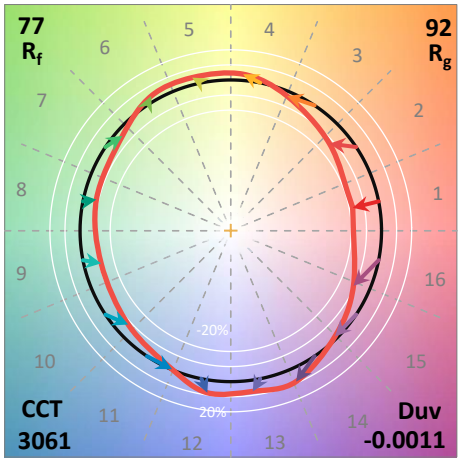
Spectral Power Distribution Comparison

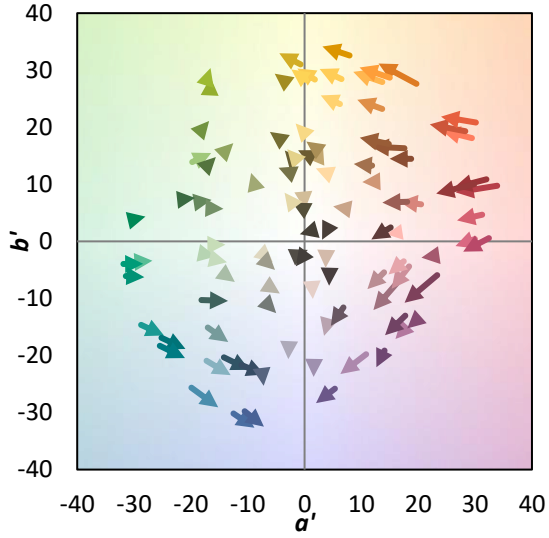


Color Vector Graphics







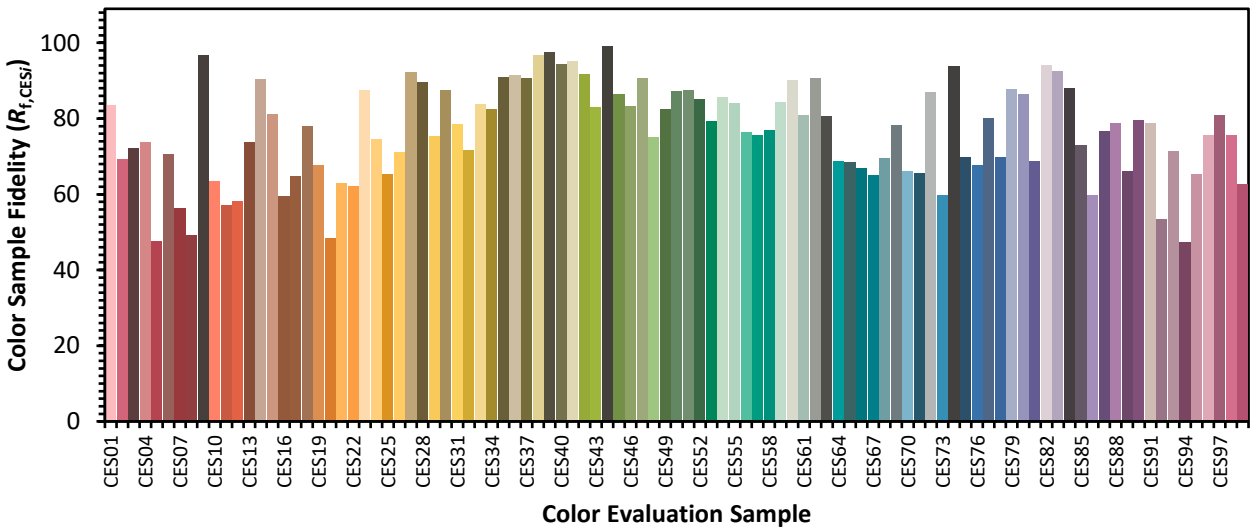


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

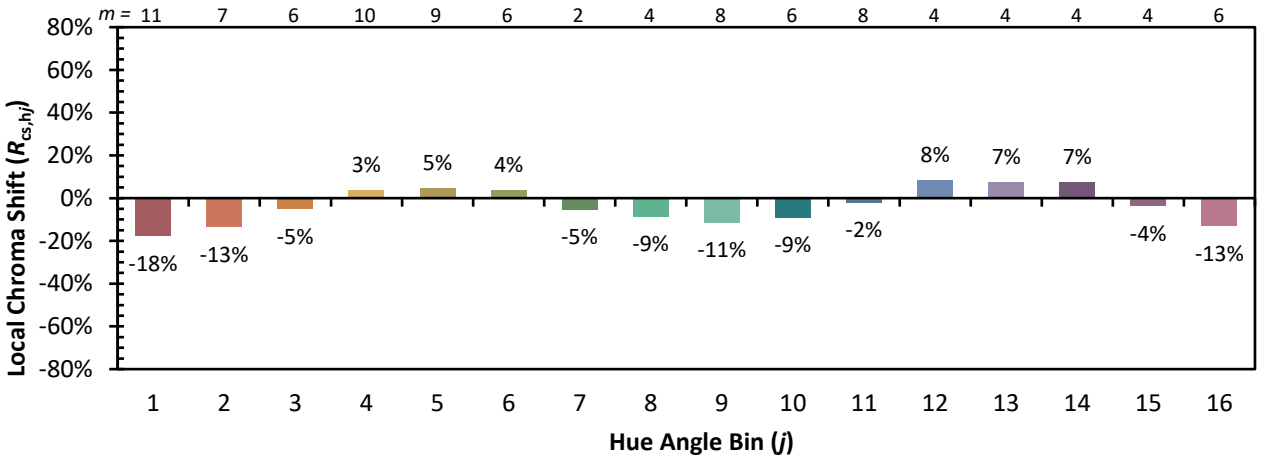
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
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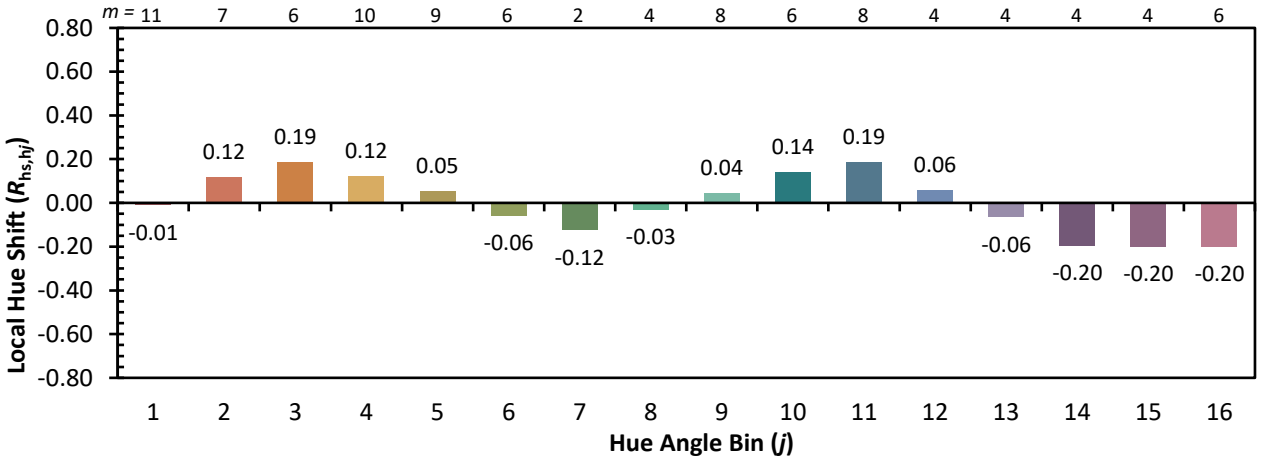


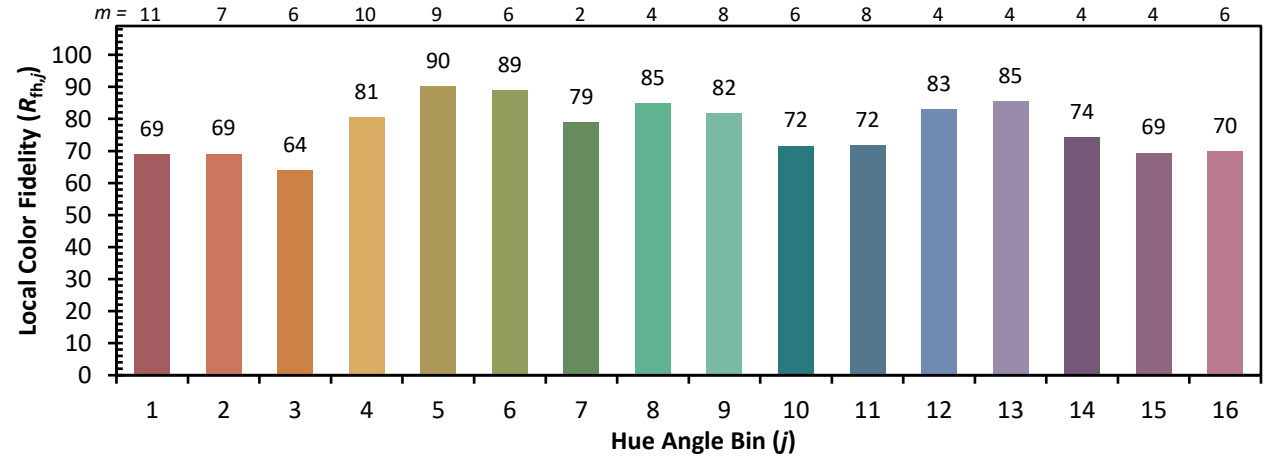
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Color Rendition by Hue-Angle Bin



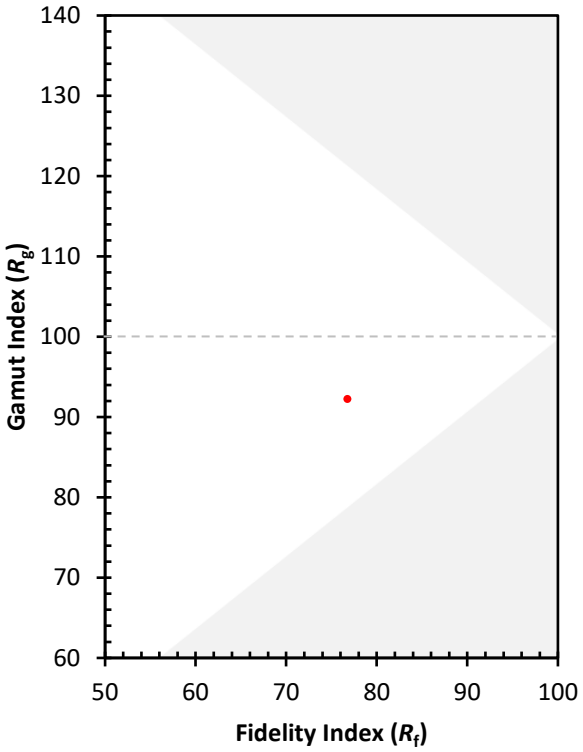


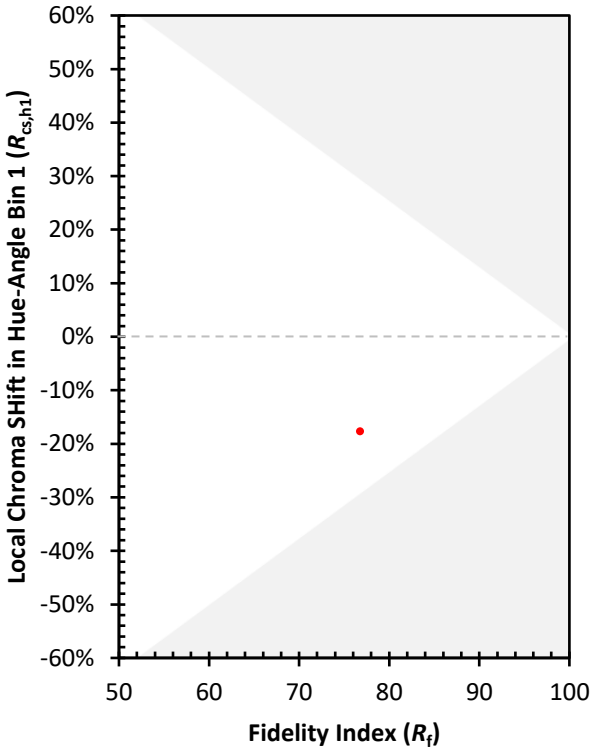


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Measure Comparisons





(END OF REPORT)