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: P1045970

Luminaire Tested: **FFX-CLB-60-727-U-PG-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:	P1045970
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-727-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC 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:	6172.4 lumens
Efficiency:	N/A
Efficacy:	101.9 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

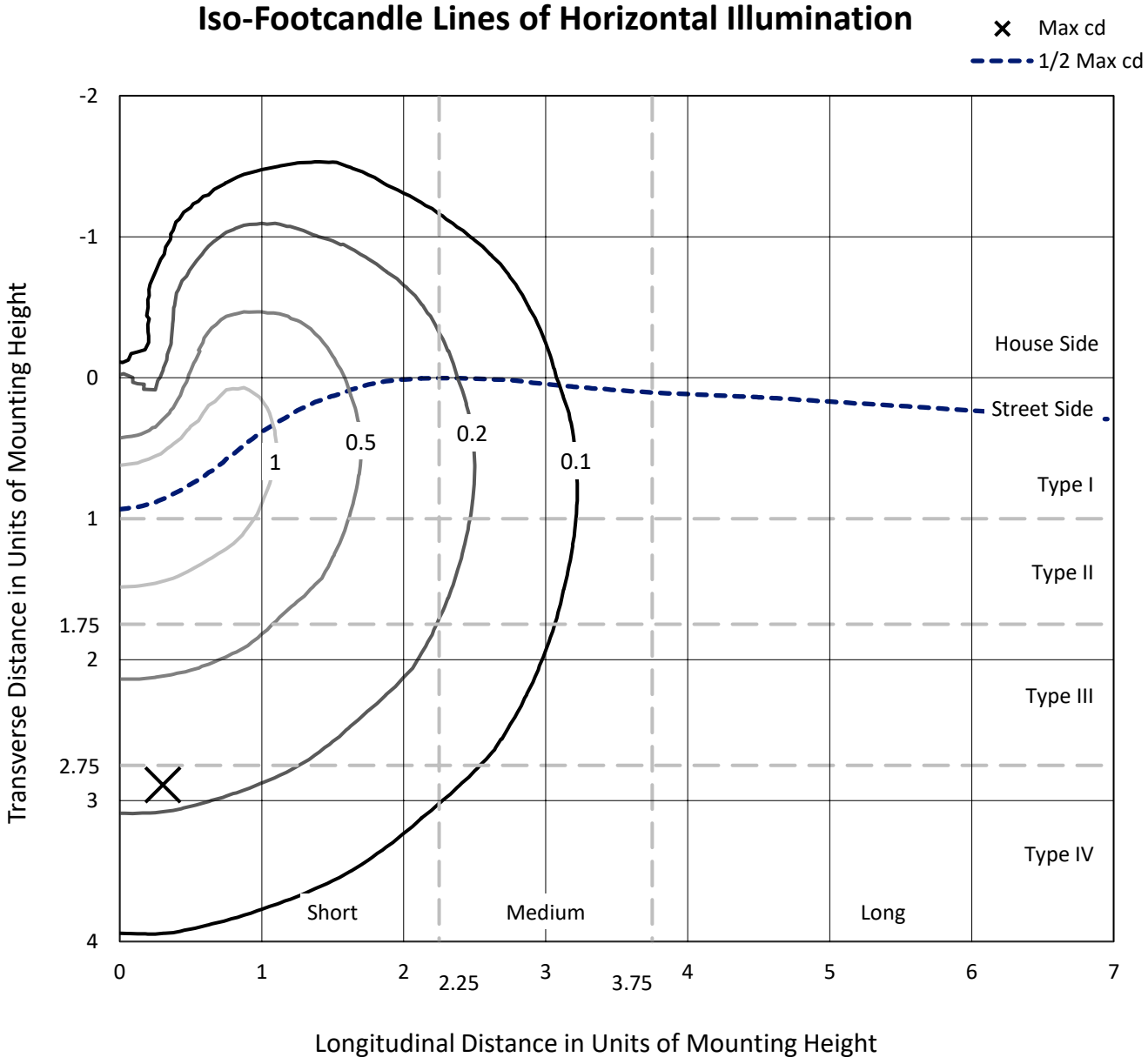


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Iso-Footcandle Lines of Horizontal Illumination



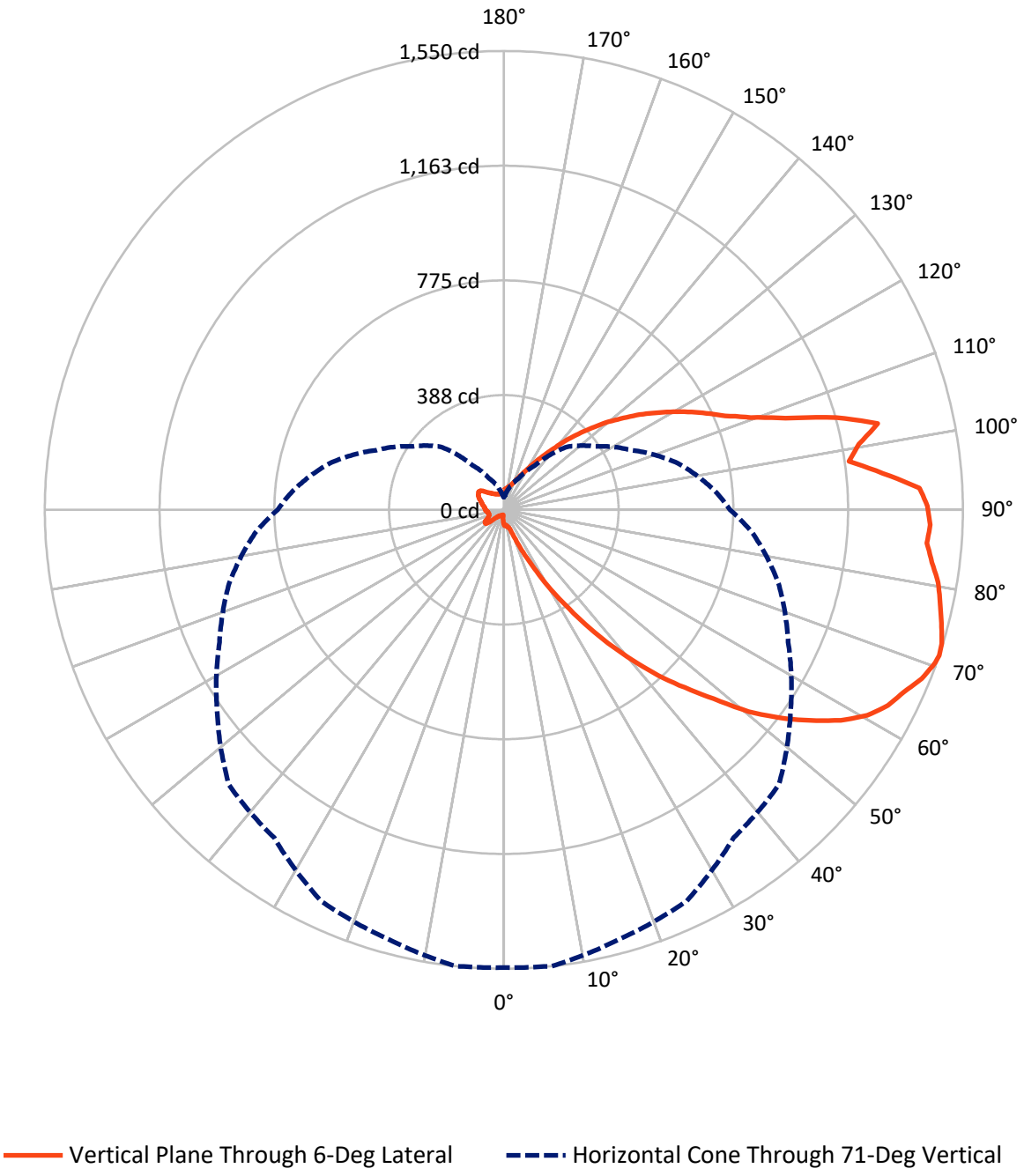
Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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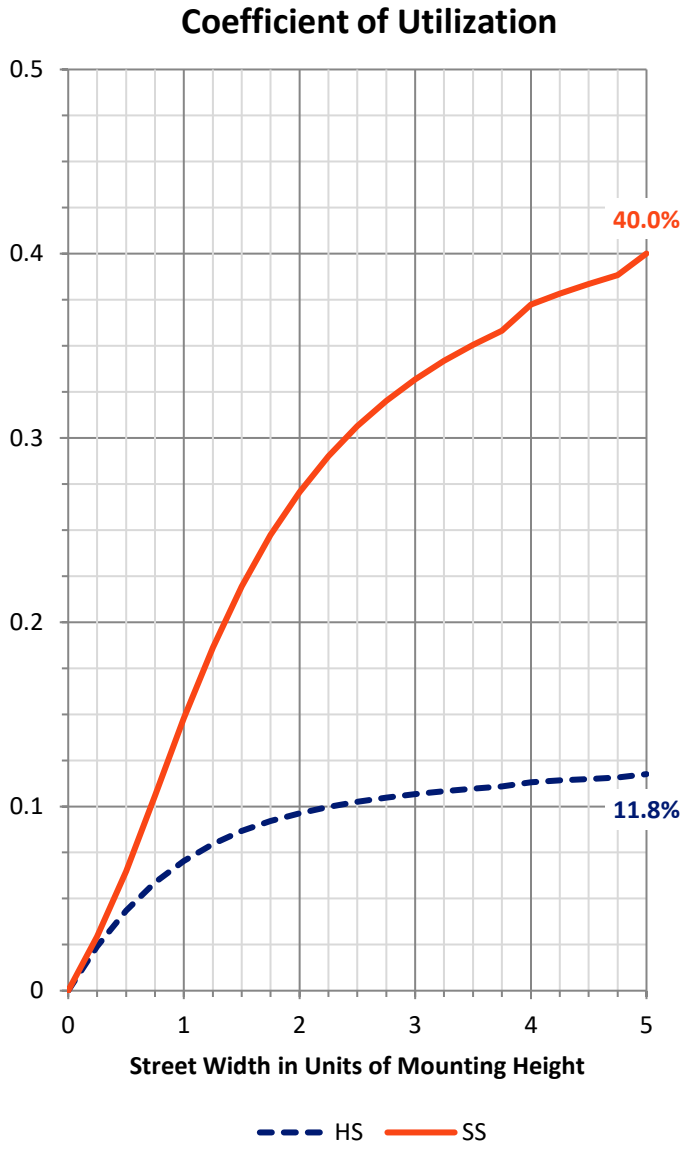
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.6	628.5	1421.1
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	2891.3	1860.0	4751.3
	% Fixture	46.8	30.1	77.0
Total	Lumens	3683.9	2488.5	6172.4
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	12.9	0.2
20°-30°	58.6	0.9
30°-40°	196.0	3.2
40°-50°	399.4	6.5
50°-60°	614.4	10.0
60°-70°	764.6	12.4
70°-80°	817.7	13.2
80°-90°	816.3	13.2
90°-100°	737.7	12.0
100°-110°	645.3	10.5
110°-120°	439.8	7.1
120°-130°	310.7	5.0
130°-140°	188.3	3.1
140°-150°	95.5	1.5
150°-160°	44.5	0.7
160°-170°	20.4	0.3
170°-180°	6.3	0.1
0°-90°	3683.9	59.7
0°-180°	6172.4	100.0



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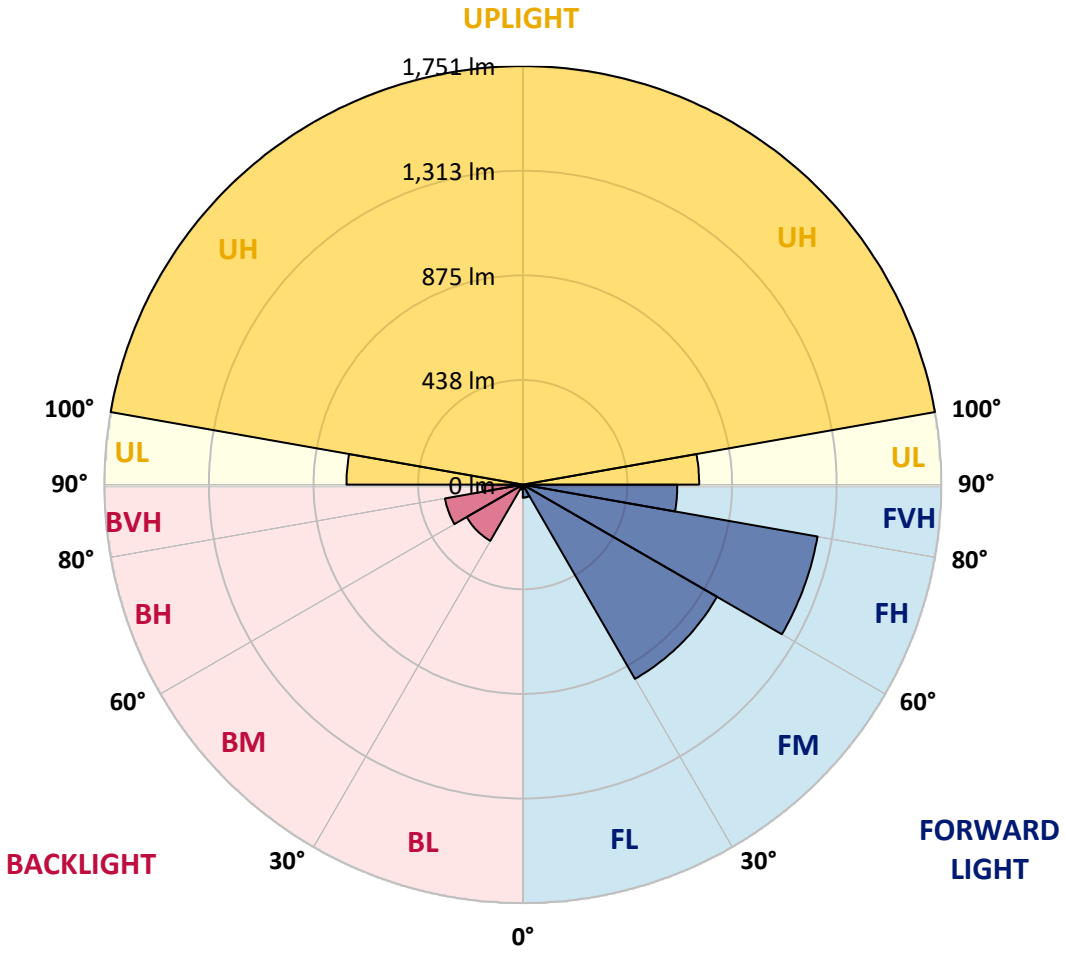
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	54.6	0.9			
FM	(30°-60°)	938.4	15.2			
FH	(60°-80°)	1251.9	20.3			G1/1800
FVH	(80°-90°)	646.4	10.5			G4/750
BL	(0°-30°)	20.9	0.3	B0/110		
BM	(30°-60°)	271.4	4.4	B1/1000		
BH	(60°-80°)	330.4	5.4	B1/500		G1/500
BVH	(80°-90°)	169.8	2.8			G2/225
UL	(90°-100°)	737.7	12.0		U4/1000	
UH	(100°-180°)	1750.8	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°	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
2.5°	54.3	54.3	54.3	54.3	54.3	54.3	53.6	52.3	51.6	50.9	50.3
5°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	50.9	50.3	48.9	47.6
7.5°	51.6	51.6	51.6	51.6	50.9	50.3	49.6	48.9	48.3	45.6	42.9
10°	56.3	57.0	56.3	56.3	54.3	52.3	50.9	48.9	47.6	46.3	42.9
12.5°	59.7	59.7	59.7	59.0	57.6	56.3	53.6	50.3	47.6	44.9	42.2
15°	61.7	61.7	61.7	61.7	60.3	58.3	56.3	53.6	50.9	47.6	44.2
17.5°	69.7	69.7	69.7	69.0	67.7	66.4	65.0	63.7	61.7	58.3	55.0
20°	91.8	93.8	93.2	91.2	89.8	88.5	89.1	87.8	86.5	81.8	76.4
22.5°	127.4	130.0	129.4	130.0	128.0	126.7	126.0	127.4	124.7	118.0	107.9
25°	179.0	179.0	177.0	182.3	183.0	176.3	177.6	177.0	174.9	162.9	146.8
27.5°	236.6	235.3	234.6	243.3	244.7	242.0	244.7	240.0	233.3	219.9	199.7
30°	303.6	309.0	311.7	313.0	317.1	319.7	323.1	319.1	301.0	284.9	256.7
32.5°	388.8	385.4	384.8	398.8	406.2	406.9	414.9	403.5	383.4	353.2	316.4
35°	482.6	474.6	475.9	484.6	496.7	505.4	511.4	489.3	468.5	429.0	380.7
37.5°	571.1	571.8	571.1	574.4	597.2	599.9	601.3	576.5	546.3	505.4	445.1
40°	661.6	662.9	666.3	677.0	701.1	696.4	685.7	663.6	624.7	578.5	507.4
42.5°	754.8	763.5	765.5	770.8	787.6	786.3	768.2	743.4	698.5	640.8	561.0
45°	854.6	853.3	856.6	864.0	877.4	877.4	845.2	809.1	760.1	695.1	609.3
47.5°	949.1	959.2	953.2	971.3	964.6	969.3	914.3	870.0	816.4	739.3	649.5
50°	1068.5	1073.8	1071.8	1069.8	1049.7	1049.7	993.4	933.7	873.4	782.2	689.7
52.5°	1169.7	1171.7	1168.3	1160.3	1132.1	1122.8	1056.4	987.3	923.7	832.5	728.6
55°	1263.5	1250.1	1256.1	1243.4	1199.2	1189.1	1126.1	1028.2	967.9	868.7	762.1
57.5°	1332.6	1339.9	1341.9	1314.5	1270.2	1229.3	1187.1	1077.2	1001.4	902.9	784.2
60°	1391.5	1411.6	1410.3	1368.7	1329.9	1256.8	1233.3	1120.1	1023.5	933.1	808.4
62.5°	1435.8	1457.2	1455.9	1422.4	1387.5	1285.0	1258.8	1145.5	1037.0	948.5	826.5
65°	1479.3	1489.4	1484.7	1471.3	1429.7	1311.1	1283.0	1156.9	1048.3	955.2	833.2
67.5°	1523.6	1522.9	1522.2	1503.5	1458.6	1335.2	1302.4	1173.7	1059.7	962.5	837.9
70°	1545.7	1547.0	1546.4	1506.8	1465.3	1351.3	1313.1	1182.4	1062.4	962.5	841.9
71°	1547.0	1549.1	1550.4	1502.8	1459.2	1352.7	1313.8	1182.4	1059.7	960.5	839.9
72.5°	1537.7	1547.7	1546.4	1492.8	1450.5	1350.7	1309.1	1177.0	1055.7	952.5	833.9
75°	1516.9	1535.0	1526.9	1472.6	1428.4	1337.2	1296.4	1171.7	1045.7	941.8	828.5
77.5°	1498.8	1519.6	1506.2	1455.9	1416.3	1327.9	1289.7	1173.0	1038.3	935.1	826.5
80°	1486.7	1498.1	1487.4	1445.8	1406.3	1317.1	1285.0	1173.7	1036.3	931.7	820.4
82.5°	1468.6	1463.9	1456.6	1423.7	1383.5	1297.7	1266.2	1163.0	1031.6	925.0	813.7
85°	1452.5	1433.1	1433.1	1403.6	1362.7	1282.3	1244.1	1150.2	1023.5	918.3	805.7
87.5°	1461.9	1435.8	1441.1	1413.0	1368.1	1284.3	1240.1	1148.9	1026.9	919.6	801.0
90°	1452.5	1427.7	1430.4	1400.9	1348.6	1263.5	1209.9	1122.1	1005.4	900.9	784.2
92.5°	1436.5	1410.3	1406.3	1376.1	1323.2	1242.7	1186.4	1104.7	988.7	886.1	778.2
95°	1312.4	1293.7	1285.6	1264.2	1223.3	1152.9	1108.7	1030.2	915.0	821.1	727.9
97.5°	1185.1	1188.4	1177.0	1151.6	1106.7	1051.7	1002.8	927.7	830.5	749.4	658.9
100°	1235.4	1230.7	1219.3	1185.1	1138.2	1076.5	1018.9	946.5	851.9	778.9	679.0
102.5°	1290.3	1301.0	1296.4	1253.5	1200.5	1150.9	1107.3	1034.9	931.0	854.0	747.4
105°	1140.2	1161.6	1166.3	1132.8	1093.9	1052.4	1014.2	963.2	873.4	794.3	710.5
107.5°	994.1	997.4	1000.8	975.3	955.8	919.0	880.8	834.5	766.2	705.8	624.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	892.8	896.2	*890.8*	880.1	860.0	831.8	789.6	757.4	697.8	646.8	572.4
112.5°	812.4	815.8	*811.7*	798.3	780.2	758.1	713.9	687.1	636.1	588.5	521.5
115°	760.8	764.8	*758.1*	744.0	728.6	716.5	678.3	638.8	592.5	550.3	492.7
117.5°	711.9	719.9	*704.5*	700.5	689.1	677.0	633.4	598.6	558.4	520.2	473.9
120°	658.2	664.9	*652.2*	647.5	640.8	628.7	587.9	556.3	524.2	490.0	445.7
122.5°	615.3	605.9	*599.9*	599.9	591.9	583.8	541.6	515.5	490.0	461.2	415.6
125°	566.4	553.7	*551.0*	555.7	545.6	534.9	501.4	477.9	458.5	429.7	384.8
127.5°	511.4	499.4	*499.4*	501.4	495.4	484.6	462.5	443.1	431.0	400.2	355.3
130°	459.8	453.1	*454.5*	449.8	443.7	435.0	418.9	404.9	394.8	364.0	331.8
132.5°	398.2	405.5	*405.5*	397.5	396.1	389.4	376.7	370.0	354.6	329.1	302.3
135°	354.6	360.6	*360.0*	352.6	351.9	347.9	338.5	332.5	317.7	296.3	274.2
137.5°	317.7	317.7	*316.4*	311.7	309.0	308.3	299.6	293.6	279.5	264.8	246.7
140°	281.5	275.5	*273.5*	274.2	270.1	269.5	262.1	254.7	248.0	233.9	219.2
142.5°	244.0	240.0	*238.0*	235.3	233.9	231.9	227.2	221.2	214.5	205.1	191.7
145°	208.5	208.5	*207.1*	204.4	204.4	201.8	197.1	193.7	187.7	177.6	166.9
147.5°	181.0	179.0	*179.0*	178.3	176.3	174.9	170.9	166.2	162.2	154.2	144.1
150°	155.5	155.5	*154.2*	155.5	154.2	152.2	149.5	145.5	140.8	134.7	126.7
152.5°	135.4	136.1	*134.7*	136.7	135.4	134.1	130.7	128.0	122.7	117.3	111.9
155°	120.7	121.3	*120.7*	120.0	120.0	118.0	116.6	112.6	109.3	104.6	99.9
157.5°	107.2	107.9	*107.9*	107.9	107.9	105.9	103.2	100.5	97.9	93.8	89.8
160°	98.5	97.9	*97.9*	97.2	96.5	95.9	93.8	91.2	89.1	85.8	82.4
162.5°	89.8	89.8	*89.8*	89.1	88.5	87.8	86.5	83.8	81.8	79.1	76.4
165°	83.8	83.8	*83.8*	83.8	82.4	81.8	80.4	78.4	77.1	74.4	71.7
167.5°	79.8	79.8	*79.8*	79.1	78.4	77.8	77.1	75.1	73.7	71.7	69.7
170°	76.4	76.4	*76.4*	76.4	75.7	74.4	73.7	72.4	71.1	69.7	67.7
172.5°	73.1	73.1	*73.1*	73.1	72.4	72.4	71.7	70.4	69.7	67.7	67.0
175°	70.4	70.4	*70.4*	70.4	69.7	69.7	69.0	68.4	67.7	67.0	65.7
177.5°	68.4	68.4	*68.4*	68.4	67.7	67.7	67.7	67.0	66.4	65.7	65.7
180°	65.7	65.7	*65.7*	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
2.5°	50.3	50.3	48.9	48.3	47.6	46.3	44.9	42.9	42.9	42.9	42.2
5°	46.9	46.3	44.9	42.9	42.2	41.6	40.2	37.5	34.2	31.5	31.5
7.5°	43.6	40.2	36.9	35.5	33.5	30.2	26.8	22.8	18.1	17.4	17.4
10°	40.9	38.9	34.9	31.5	28.2	27.5	24.8	20.8	18.8	16.8	16.8
12.5°	40.2	38.9	34.2	30.2	26.1	24.1	22.1	20.1	18.1	16.8	16.8
15°	42.2	40.9	36.2	31.5	26.8	24.1	21.4	19.4	18.8	18.1	18.1
17.5°	53.0	50.9	44.2	36.9	30.8	26.8	23.5	21.4	20.8	20.1	20.1
20°	71.7	68.4	59.0	48.9	39.5	30.8	26.1	22.8	22.1	21.4	21.4
22.5°	101.9	95.9	79.8	64.3	50.3	38.9	30.2	24.1	22.1	21.4	21.4
25°	138.8	130.7	107.2	84.5	63.7	49.6	36.9	27.5	22.1	20.8	20.8
27.5°	187.7	173.6	142.1	113.3	85.1	63.0	46.3	32.8	24.1	20.8	20.1
30°	239.3	221.9	181.7	143.4	107.9	79.1	57.0	39.5	27.5	20.8	20.1
32.5°	295.6	272.1	227.9	180.3	134.1	97.9	69.7	46.3	31.5	22.1	20.8
35°	353.2	327.1	272.1	219.2	160.9	116.6	83.1	53.6	34.2	23.5	22.1
37.5°	411.6	382.1	322.4	254.0	187.0	136.1	96.5	61.7	36.9	24.8	23.5
40°	469.9	434.4	368.7	286.9	212.5	155.5	109.3	68.4	38.9	26.8	26.1
42.5°	515.5	479.3	406.9	314.4	239.3	172.9	122.0	73.7	40.9	30.2	28.8
45°	557.0	518.8	439.0	339.2	260.1	193.7	136.7	82.4	44.9	34.2	32.8
47.5°	599.2	561.7	472.6	363.3	280.2	214.5	154.2	91.8	55.6	44.2	43.6
50°	636.1	594.6	508.8	396.1	305.7	233.9	172.3	103.2	65.7	64.3	65.0
52.5°	671.6	630.1	539.6	420.3	323.1	257.4	189.7	107.9	74.4	75.7	77.1
55°	711.2	662.9	564.4	439.0	333.1	272.8	199.7	111.9	82.4	77.1	75.7
57.5°	738.0	682.4	584.5	459.8	343.9	282.2	200.4	116.6	89.1	74.4	72.4
60°	756.1	693.1	595.2	471.2	358.6	290.9	198.4	117.3	93.2	68.4	62.3
62.5°	768.2	707.2	604.6	473.9	370.0	297.6	197.7	114.6	91.8	61.0	56.3
65°	773.5	719.2	613.3	475.2	372.0	302.3	197.7	113.3	89.8	53.6	48.3
67.5°	773.5	723.3	616.7	477.9	370.7	303.6	191.7	117.3	87.1	50.9	44.2
70°	769.5	721.2	612.0	477.3	373.4	302.3	185.0	117.3	83.1	50.9	42.2
71°	*764.1*	*717.2*	*608.6*	*476.6*	*374.0*	*301.0*	*182.3*	*116.6*	*81.1*	*49.6*	*42.9*
72.5°	756.8	711.2	602.6	475.2	372.0	296.9	177.0	117.3	79.1	48.9	43.6
75°	748.7	706.5	597.9	469.9	371.3	290.9	167.6	115.3	78.4	49.6	44.9
77.5°	746.0	707.2	595.2	468.5	371.3	287.6	160.9	114.0	77.1	50.3	47.6
80°	740.0	705.8	589.9	465.2	370.0	281.5	158.9	114.0	75.7	50.9	48.9
82.5°	734.0	702.5	585.2	461.8	368.0	273.5	156.8	113.3	74.4	53.0	51.6
85°	728.6	701.8	585.2	459.8	367.3	268.8	156.2	112.6	73.7	55.0	53.6
87.5°	728.6	705.2	591.2	465.2	373.4	268.8	158.9	114.0	74.4	57.6	57.0
90°	715.2	690.4	581.8	461.8	375.4	269.5	161.5	117.3	77.1	60.3	59.0
92.5°	711.2	683.7	579.1	465.2	378.0	269.5	164.9	120.7	79.1	61.7	60.3
95°	666.9	636.1	545.0	441.7	361.3	262.1	166.2	120.0	80.4	62.3	61.7
97.5°	605.3	571.8	486.0	392.8	319.7	235.3	151.5	112.6	79.8	64.3	63.0
100°	626.1	586.5	496.7	399.5	314.4	230.6	148.8	109.3	81.8	67.0	65.7
102.5°	683.7	640.8	546.3	442.4	342.5	254.7	166.2	116.0	85.8	70.4	68.4
105°	649.5	601.9	527.5	428.3	333.8	254.7	166.9	118.0	89.8	73.1	71.7
107.5°	573.8	529.5	464.5	381.4	305.7	235.3	158.2	114.6	93.2	76.4	74.4

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

Scaled Data Report

REPORT NUMBER: P1045970
CATALOG NUMBER: FFX-CLB-60-727-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	530.2	482.6	423.0	347.9	284.2	218.5	152.2	112.6	95.2	80.4	77.8
112.5°	484.0	443.1	385.4	319.7	264.8	201.8	148.1	111.9	96.5	84.5	81.8
115°	457.8	415.6	366.0	302.3	252.0	196.4	146.8	115.3	101.2	89.8	87.1
117.5°	435.0	400.2	355.9	288.9	243.3	194.4	149.5	119.3	104.6	94.5	91.2
120°	411.6	379.4	339.2	278.2	235.9	187.7	150.1	121.3	107.2	98.5	96.5
122.5°	397.5	361.3	321.7	268.8	227.2	183.0	149.5	124.0	107.9	100.5	100.5
125°	371.3	342.5	303.0	256.7	214.5	180.3	149.5	122.7	109.9	103.2	101.9
127.5°	342.5	323.8	284.2	243.3	205.8	173.6	145.5	122.7	109.3	103.2	103.2
130°	315.7	299.0	266.8	225.2	197.7	164.2	139.4	116.6	105.2	101.2	101.2
132.5°	285.5	274.8	244.7	207.8	181.7	152.8	131.4	107.9	98.5	95.2	95.2
135°	258.1	248.0	219.9	189.0	165.6	142.1	122.0	101.9	90.5	86.5	86.5
137.5°	232.6	223.2	198.4	172.3	150.8	131.4	112.6	95.9	84.5	79.8	80.4
140°	206.5	195.1	178.3	156.2	136.7	121.3	103.2	89.8	79.1	75.1	74.4
142.5°	183.0	174.3	158.9	140.1	123.3	111.3	95.2	83.8	75.1	71.1	70.4
145°	161.5	154.2	140.8	125.3	111.9	100.5	87.8	78.4	71.1	67.7	67.0
147.5°	138.8	134.1	124.0	111.9	100.5	90.5	81.8	73.1	68.4	64.3	63.7
150°	122.0	118.6	110.6	100.5	91.8	83.8	77.1	69.0	65.0	62.3	61.7
152.5°	108.6	105.2	98.5	91.2	83.8	77.8	71.7	66.4	62.3	60.3	59.7
155°	97.2	94.5	89.1	83.1	77.1	71.7	67.0	63.0	60.3	58.3	58.3
157.5°	88.5	85.8	81.8	76.4	71.7	67.0	63.7	60.3	59.0	57.0	57.0
160°	81.1	79.1	75.7	71.1	67.0	63.7	61.0	58.3	57.6	56.3	56.3
162.5°	75.1	73.7	70.4	67.0	64.3	61.7	59.7	57.6	56.3	55.6	55.6
165°	71.1	69.7	67.7	65.0	62.3	60.3	59.0	57.0	56.3	56.3	55.6
167.5°	69.0	67.7	65.7	63.0	61.0	60.3	59.0	57.6	57.0	57.0	56.3
170°	67.0	66.4	65.0	63.0	61.0	60.3	59.7	58.3	58.3	57.6	57.6
172.5°	66.4	65.7	64.3	63.0	61.7	61.0	60.3	59.7	59.7	59.7	59.0
175°	65.7	65.7	64.3	63.0	62.3	62.3	61.7	61.0	61.0	61.0	61.0
177.5°	65.7	65.0	65.0	64.3	63.7	63.7	63.7	63.0	63.0	63.0	63.0
180°	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7

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

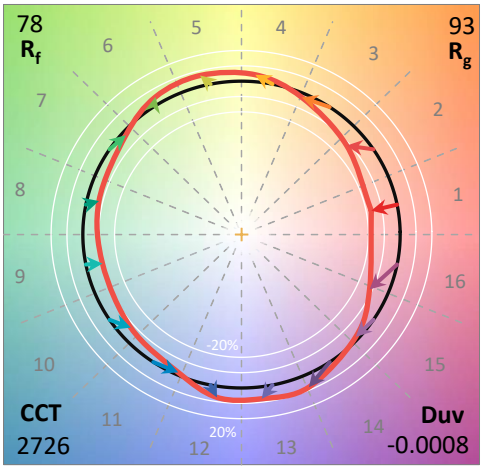
Test Information

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

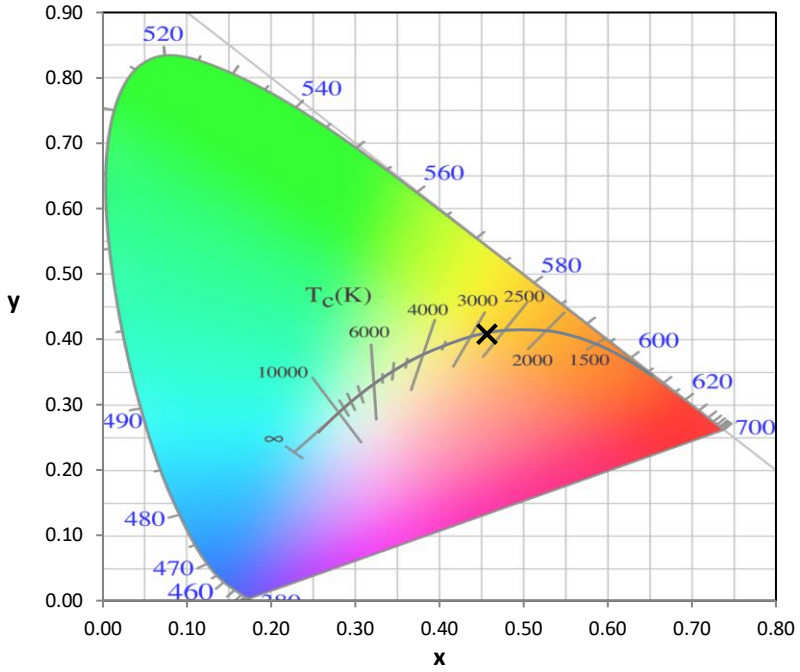
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

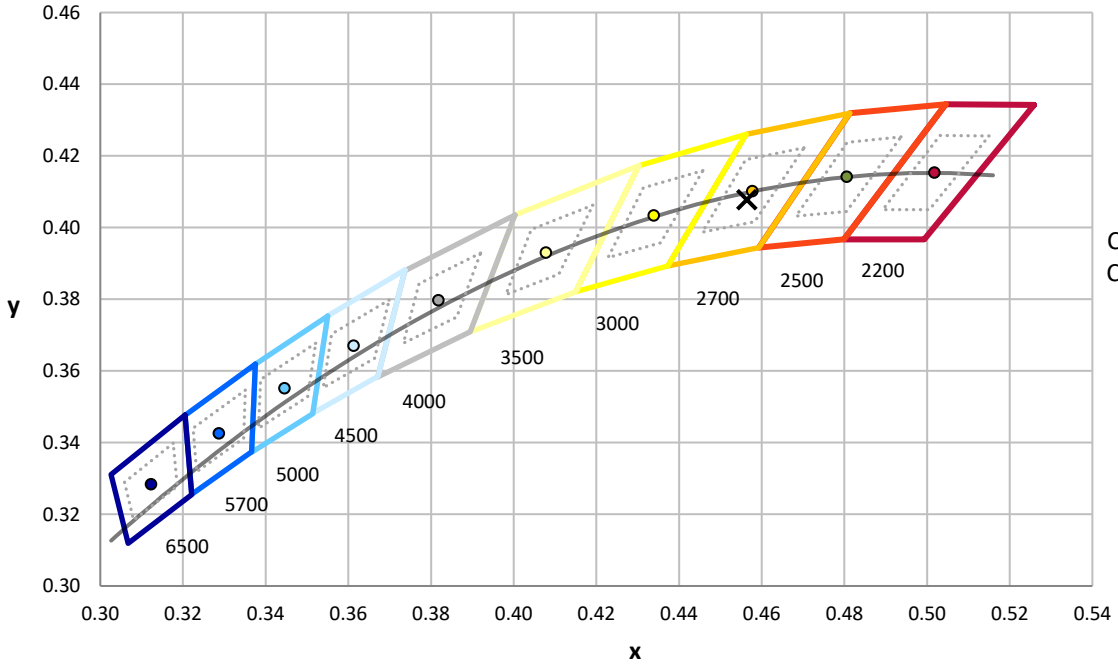
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

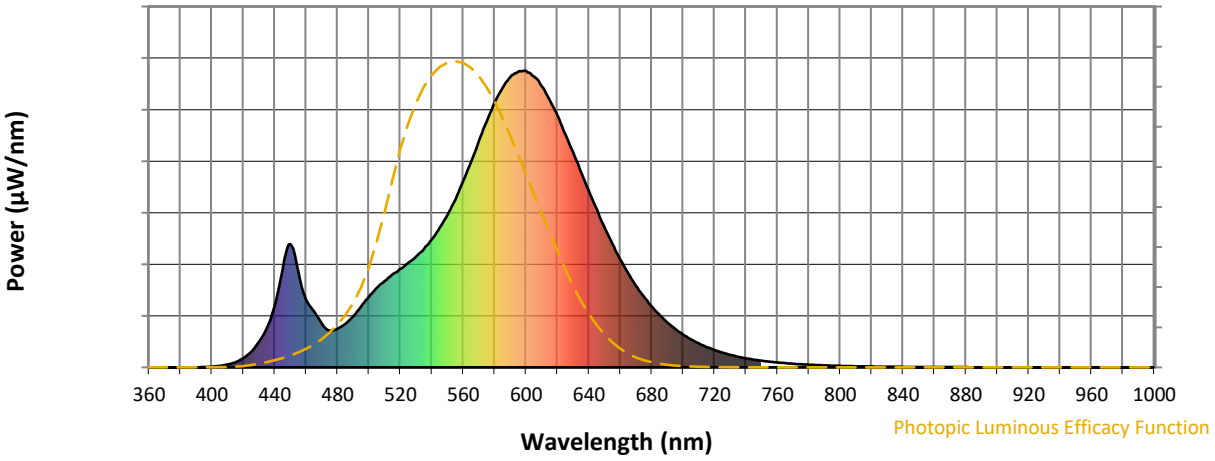


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

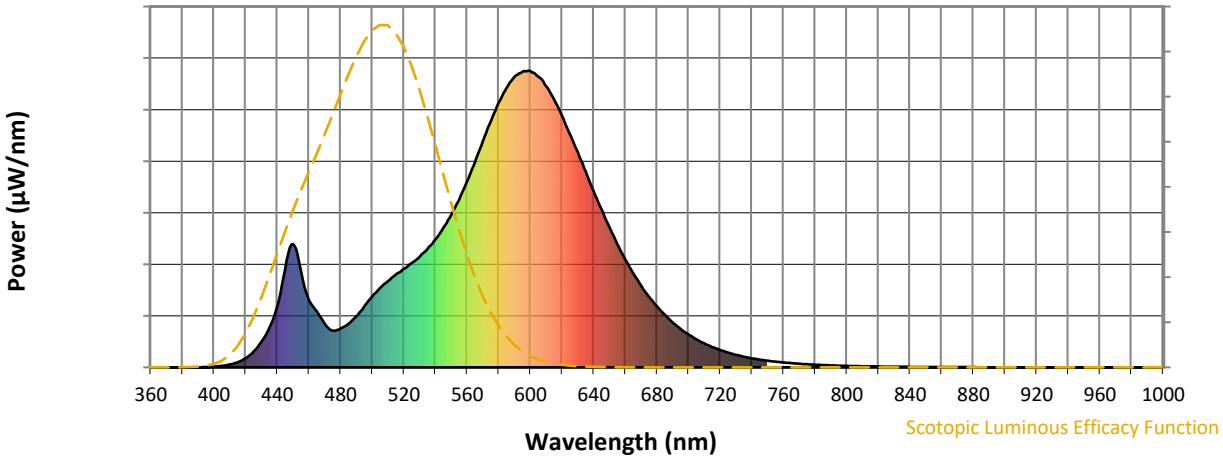


Photopic Lumens: NR

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

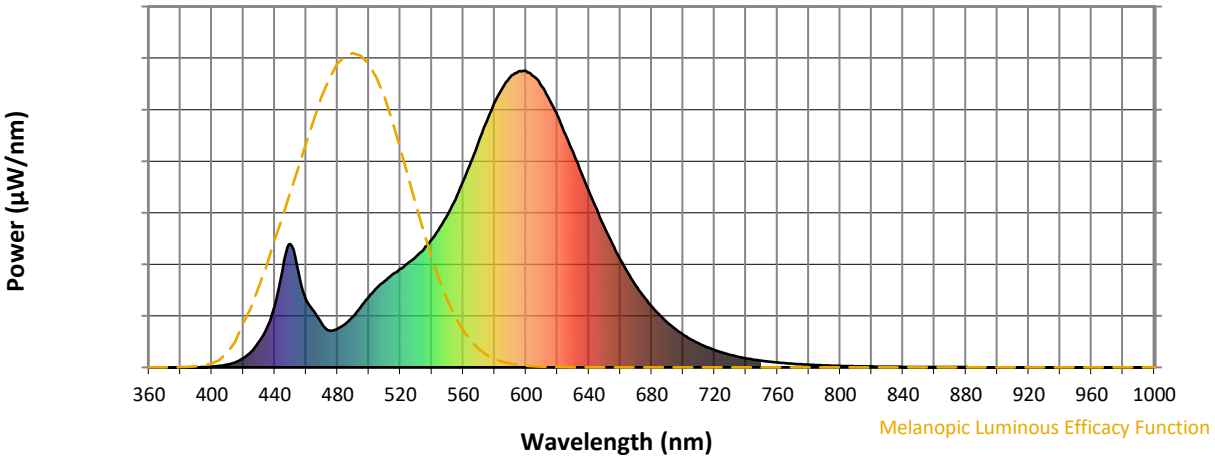


Scotopic Lumens: NR **S/P: 1.16**

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			

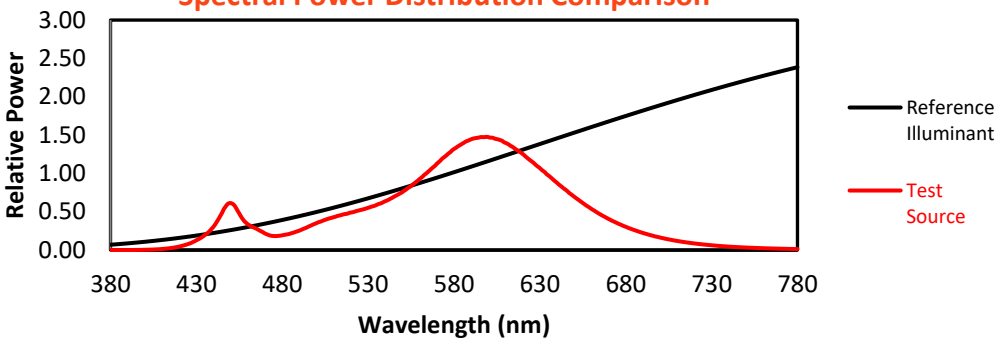
REPORT NUMBER: SP1-2501-332-3

TM-30-18

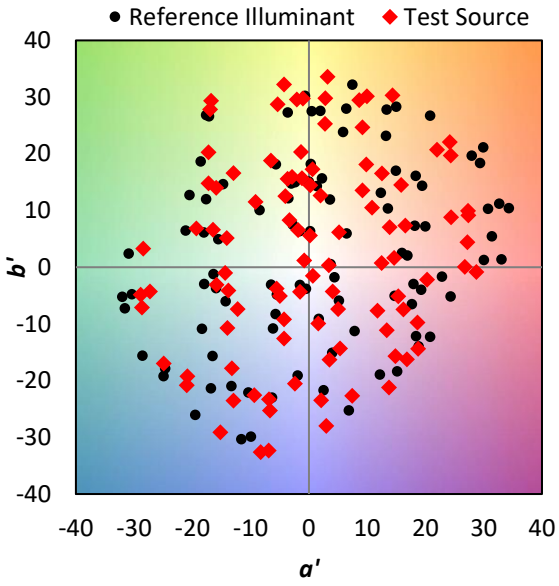
Summary

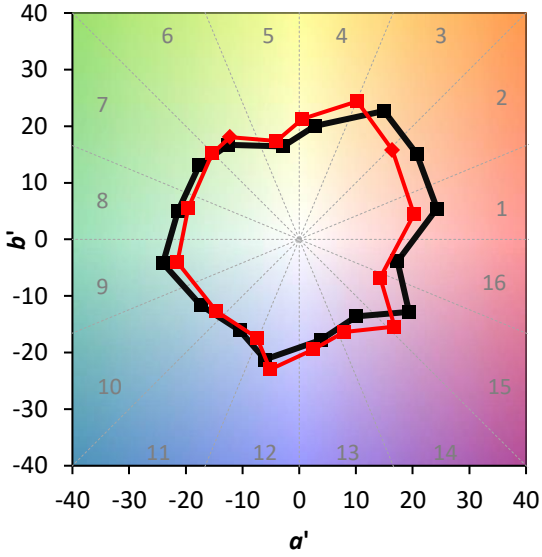
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

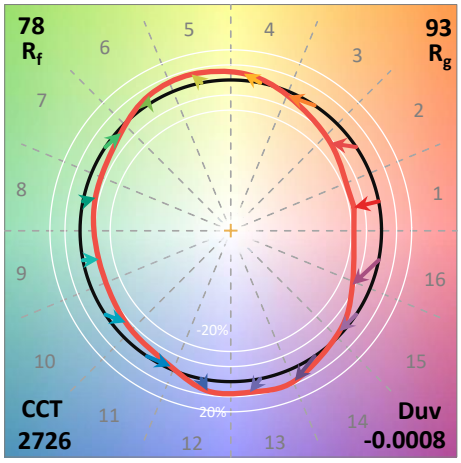
Spectral Power Distribution Comparison

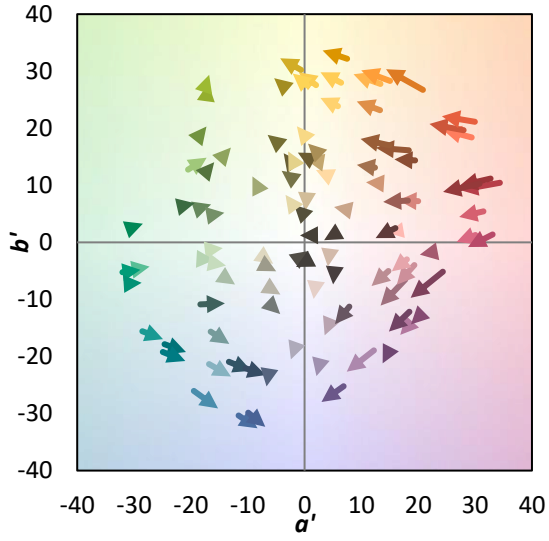


Color Vector Graphics







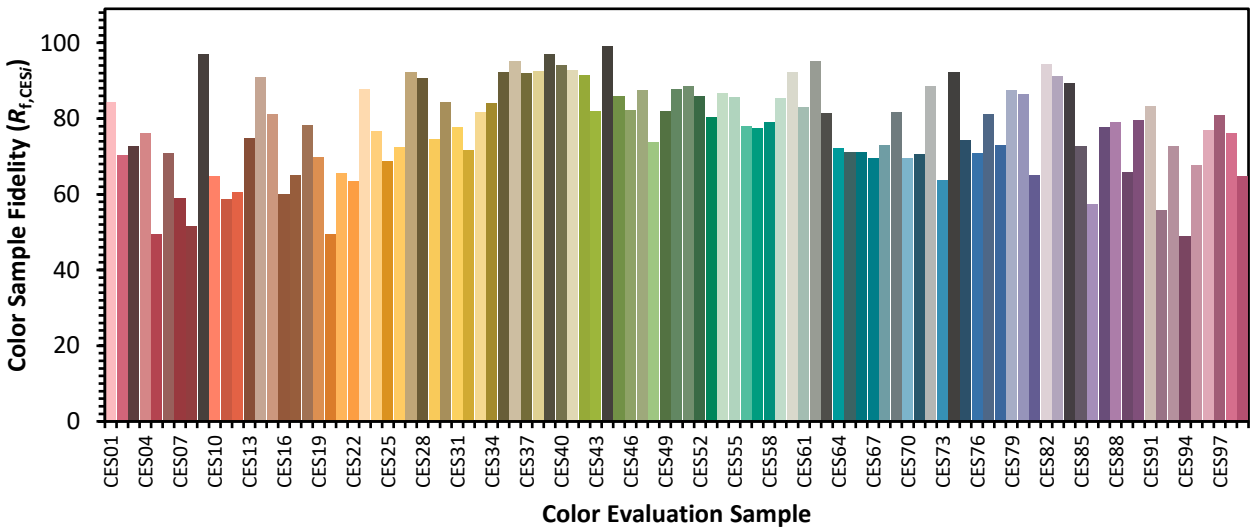


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

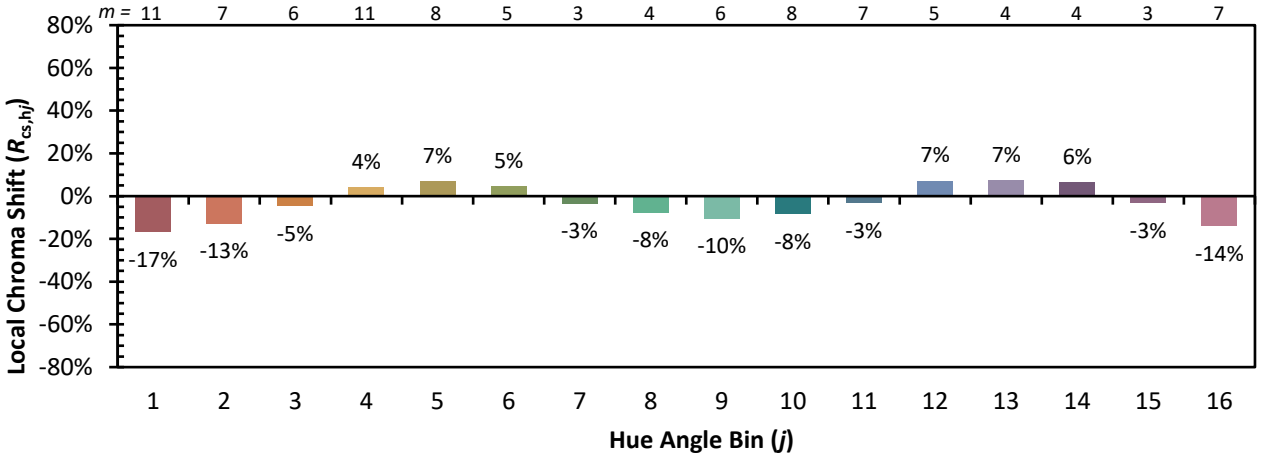
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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	

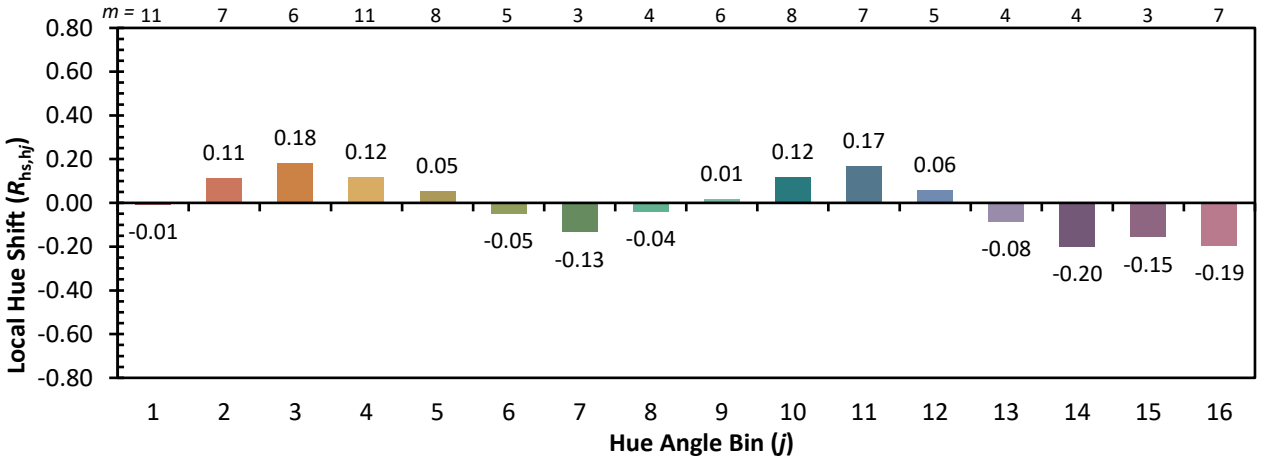


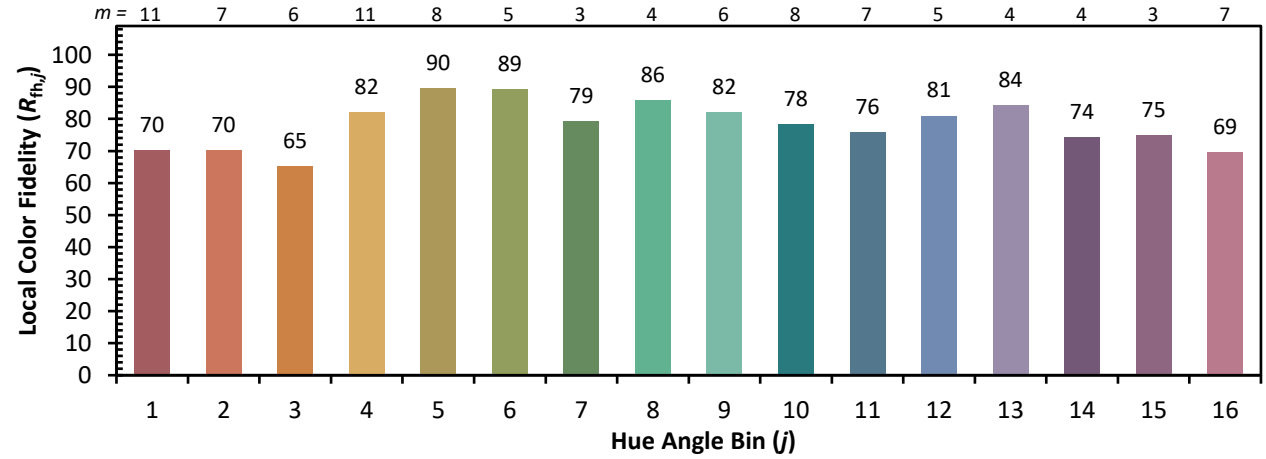
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Color Rendition by Hue-Angle Bin



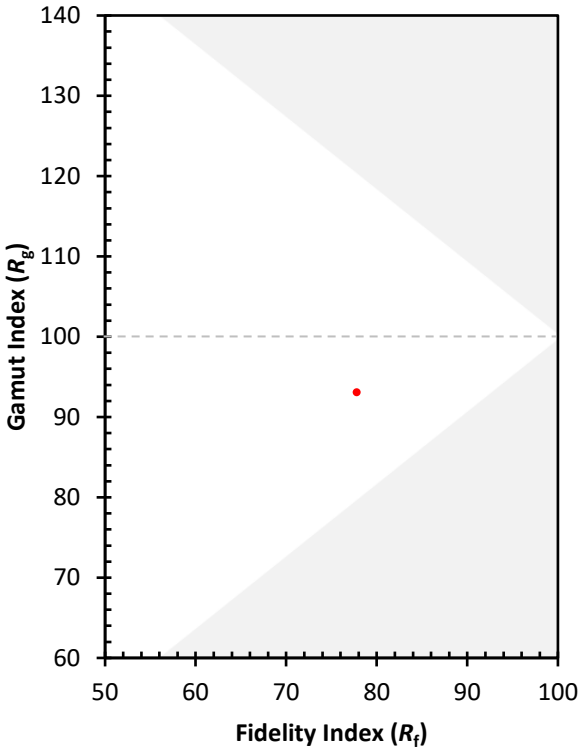


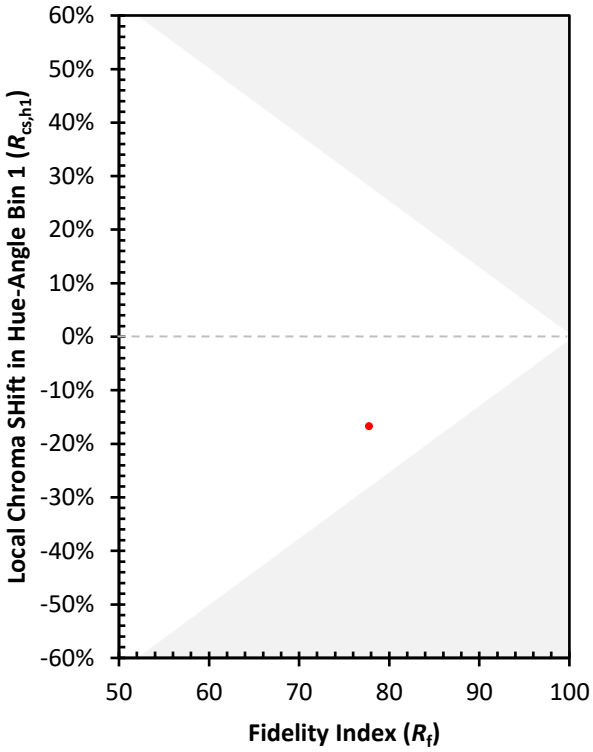


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Measure Comparisons





(END OF REPORT)