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: P1224017

Luminaire Tested: **FFX-CLB-60-722-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224017
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-722-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7038.3 lumens
Efficiency:	N/A
Efficacy:	116.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
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

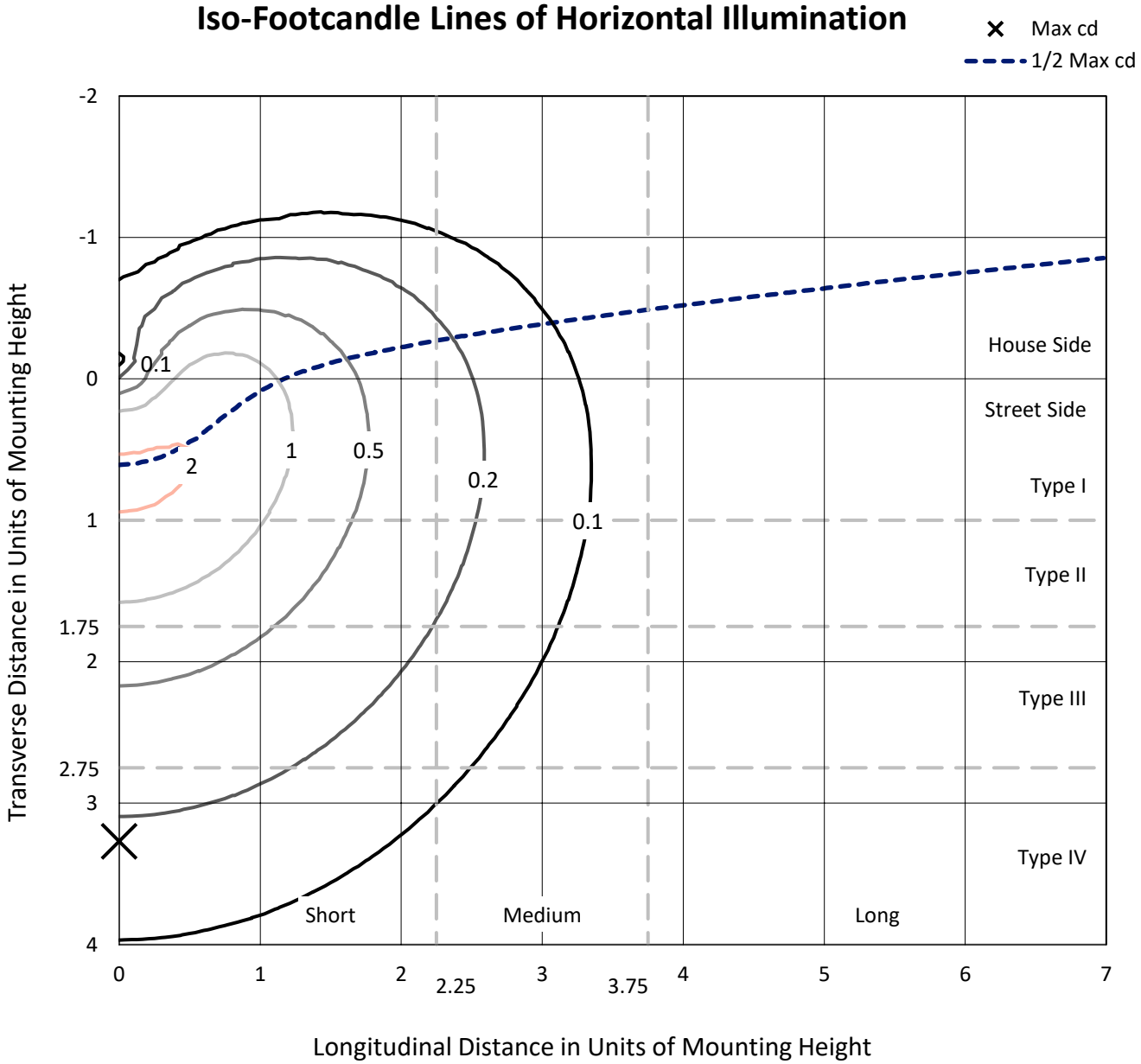


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Iso-Footcandle Lines of Horizontal Illumination



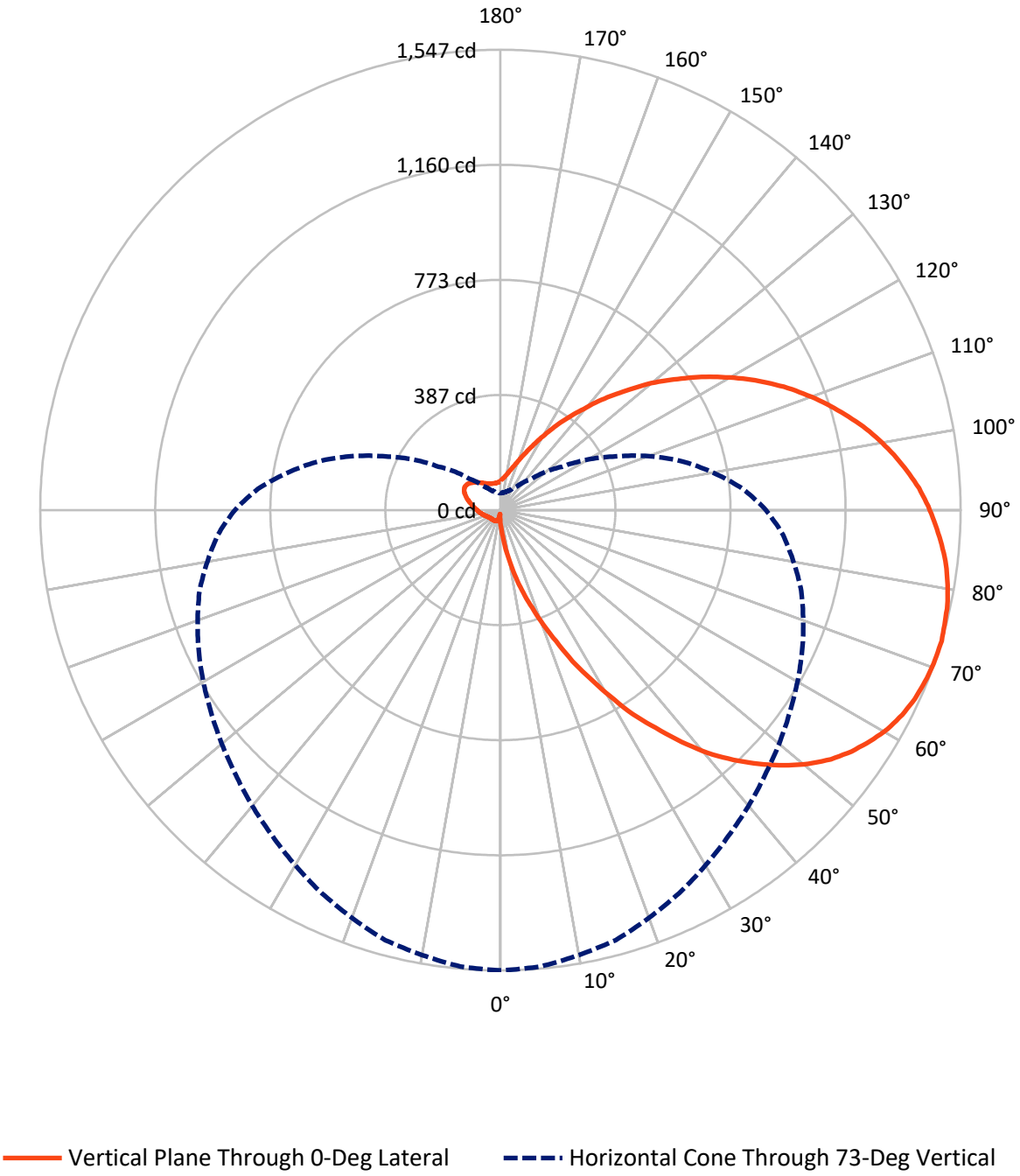
Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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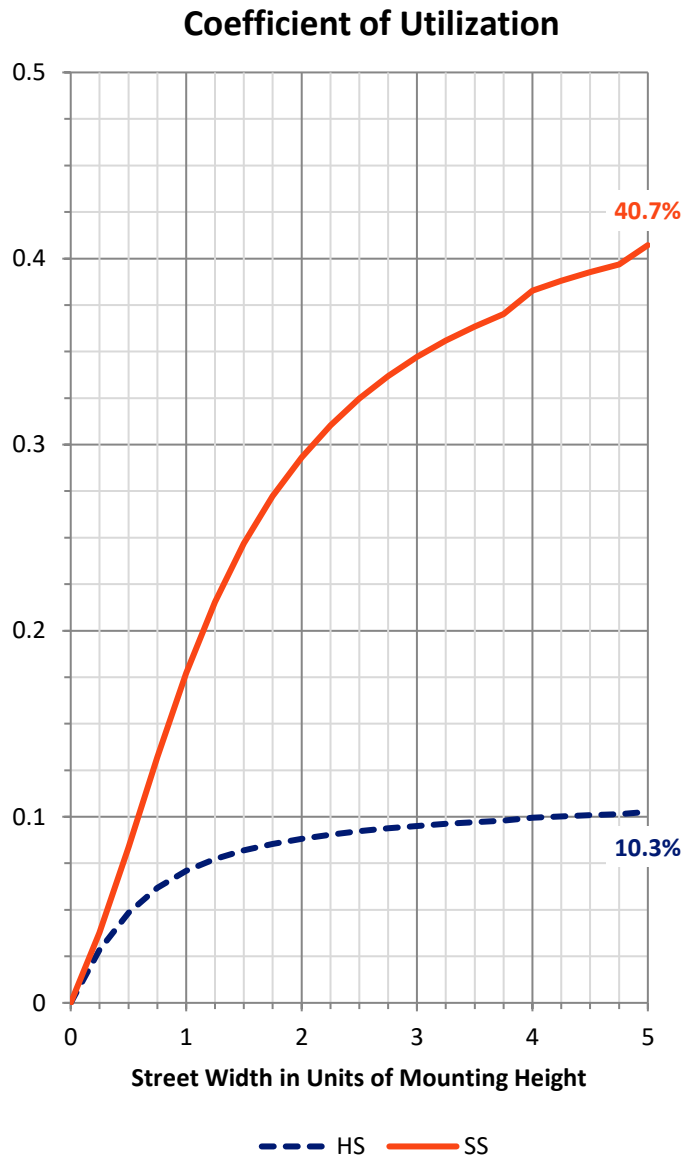
REPORT NUMBER: P1224017
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	779.6	766.0	1545.6
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	3286.9	2205.8	5492.7
	% Fixture	46.7	31.3	78.0
Total	Lumens	4066.5	2971.8	7038.3
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	49.9	0.7
20°-30°	150.7	2.1
30°-40°	313.8	4.5
40°-50°	497.5	7.1
50°-60°	653.4	9.3
60°-70°	761.3	10.8
70°-80°	816.0	11.6
80°-90°	816.7	11.6
90°-100°	765.8	10.9
100°-110°	673.7	9.6
110°-120°	556.3	7.9
120°-130°	418.7	5.9
130°-140°	276.3	3.9
140°-150°	158.5	2.3
150°-160°	78.6	1.1
160°-170°	34.3	0.5
170°-180°	9.6	0.1
0°-90°	4066.5	57.8
0°-180°	7038.3	100.0



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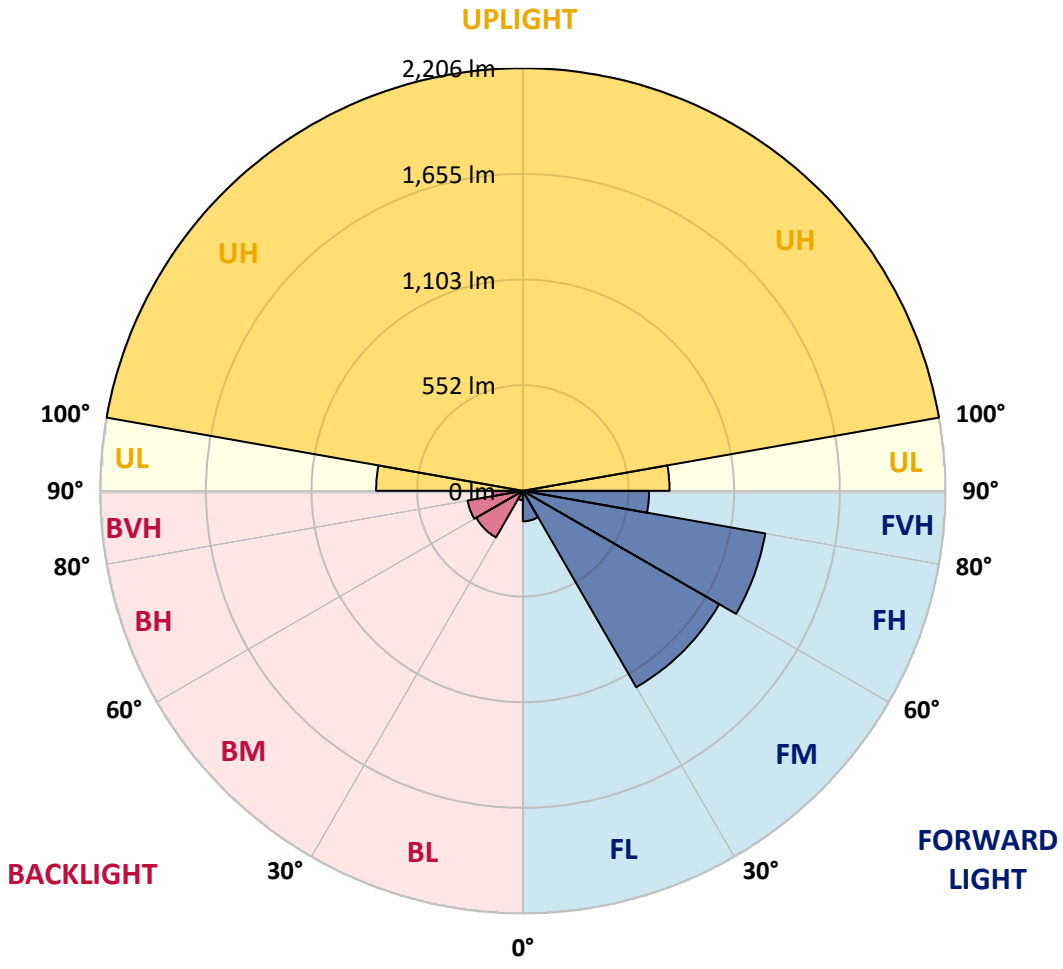
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	159.1	2.3			
FM	(30°-60°)	1183.8	16.8			
FH	(60°-80°)	1285.0	18.3			G1/1800
FVH	(80°-90°)	659.0	9.4			G4/750
BL	(0°-30°)	48.6	0.7	B0/110		
BM	(30°-60°)	280.9	4.0	B1/1000		
BH	(60°-80°)	292.4	4.2	B1/500		G1/500
BVH	(80°-90°)	157.7	2.2			G2/225
UL	(90°-100°)	765.8	10.9		U4/1000	
UH	(100°-180°)	2206.0	31.3		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
2.5°	63.5	64.0	63.5	64.5	62.1	62.1	60.1	58.2	55.8	52.9	51.0
5°	94.3	93.8	93.8	94.3	92.8	88.5	83.7	77.0	71.2	64.9	61.6
7.5°	135.7	133.7	131.8	131.3	126.5	120.3	113.5	105.8	97.7	89.0	82.7
10°	178.9	180.4	178.5	173.2	167.4	160.2	151.5	140.9	130.4	118.3	111.1
12.5°	234.7	230.9	226.1	220.8	215.0	208.3	194.3	182.3	167.4	152.5	142.9
15°	289.1	285.7	285.7	279.0	269.9	259.8	246.8	231.9	211.2	187.6	178.9
17.5°	344.9	345.4	340.6	332.9	324.7	311.7	297.8	276.6	255.4	230.9	216.0
20°	410.3	408.4	405.0	399.3	384.8	373.3	356.0	332.4	303.5	273.7	255.4
22.5°	478.2	479.1	479.1	470.0	456.5	440.6	420.9	394.0	359.8	321.3	299.2
25°	562.8	562.3	553.2	542.6	532.0	515.7	490.7	458.0	420.4	374.3	348.3
27.5°	639.8	639.3	637.4	627.8	611.9	590.7	561.4	525.8	483.0	427.6	396.9
30°	725.4	727.3	722.0	713.9	693.2	671.5	637.4	595.5	545.0	485.4	450.7
32.5°	818.3	814.4	810.1	799.5	776.9	746.6	708.1	664.8	609.5	541.2	503.2
35°	898.6	905.8	899.1	882.7	854.8	822.6	780.3	731.7	671.5	598.4	555.1
37.5°	989.0	987.6	977.5	961.6	934.7	893.8	849.0	792.8	725.4	649.4	601.3
40°	1073.2	1067.4	1061.7	1038.1	1003.9	963.1	907.7	850.5	781.2	695.6	647.0
42.5°	1147.8	1147.3	1131.9	1108.3	1065.5	1020.3	963.1	899.1	826.9	738.4	683.6
45°	1216.6	1215.1	1200.2	1165.1	1124.7	1070.3	1010.7	944.3	868.3	775.0	722.5
47.5°	1281.5	1277.7	1257.0	1221.4	1170.4	1113.1	1051.6	981.8	903.4	807.7	752.8
50°	1340.7	1337.3	1313.3	1268.0	1213.7	1152.6	1085.2	1013.1	936.6	840.4	781.2
52.5°	1391.2	1385.4	1357.5	1308.9	1246.9	1182.4	1112.2	1040.0	962.6	863.5	806.2
55°	1431.6	1425.3	1395.5	1341.2	1276.2	1206.5	1135.3	1063.6	982.8	884.2	825.5
57.5°	1465.3	1460.5	1427.7	1368.1	1298.8	1227.1	1155.0	1081.9	1001.5	903.4	842.3
60°	1494.6	1488.8	1451.8	1390.2	1317.1	1243.0	1169.4	1096.3	1017.4	918.3	857.7
62.5°	1515.3	1511.0	1472.0	1406.1	1330.1	1255.0	1179.0	1108.3	1029.4	931.8	869.2
65°	1530.2	1524.9	1485.5	1415.7	1338.3	1260.8	1186.3	1113.6	1037.1	940.0	877.9
67.5°	1538.9	1535.0	1493.6	1422.4	1341.6	1263.7	1189.6	1118.9	1043.4	946.7	884.6
70°	1544.6	1538.9	1497.0	1423.9	1340.7	1263.2	1189.6	1119.4	1046.8	951.5	888.5
72.5°	1546.1	1539.8	1496.5	1421.5	1337.8	1258.4	1187.2	1119.9	1047.7	953.9	892.3
73°	1546.6	1539.8	1496.0	1420.5	1336.3	1257.9	1186.7	1118.9	1046.8	953.4	892.3
75°	1541.3	1536.9	1492.2	1414.8	1331.5	1253.1	1183.4	1116.5	1046.8	953.9	891.9
77.5°	1536.0	1529.2	1482.6	1406.6	1320.5	1244.5	1176.2	1111.7	1043.4	952.9	891.4
80°	1523.5	1516.7	1470.1	1391.2	1306.5	1232.0	1166.1	1104.0	1037.1	947.7	887.5
82.5°	1509.0	1501.3	1452.8	1373.4	1289.7	1216.1	1153.1	1093.9	1029.0	941.4	881.8
85°	1487.9	1482.1	1432.6	1351.7	1270.4	1199.7	1138.2	1081.9	1018.4	931.8	873.1
87.5°	1463.3	1458.5	1407.1	1327.2	1245.9	1178.6	1120.8	1066.0	1006.3	921.2	863.5
90°	1437.8	1432.1	1380.6	1299.3	1221.9	1155.5	1100.6	1049.2	991.4	908.2	851.0
92.5°	1408.5	1401.8	1349.8	1270.9	1195.4	1131.9	1080.9	1030.4	974.6	893.3	838.0
95°	1372.9	1366.6	1315.2	1236.3	1162.2	1104.5	1054.9	1008.3	954.9	875.5	822.1
97.5°	1334.9	1329.1	1277.2	1201.6	1130.0	1073.2	1027.0	984.7	933.7	858.2	804.3
100°	1294.0	1286.3	1234.8	1162.2	1091.5	1040.0	998.6	960.6	910.6	836.5	785.1
102.5°	1250.7	1243.5	1194.4	1123.2	1056.9	1006.8	969.3	932.3	886.6	816.8	766.3
105°	1201.6	1197.8	1148.3	1079.5	1017.4	971.2	936.1	903.9	860.6	792.8	746.6
107.5°	1153.1	1145.4	1099.2	1033.3	975.1	933.2	902.9	873.1	833.7	768.7	724.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1101.6*	1093.9	1052.5	989.5	935.6	895.7	867.8	841.3	805.7	745.1	703.8
112.5°	*1049.6*	1041.0	1000.1	942.4	889.9	857.2	831.7	809.6	777.4	721.6	680.7
115°	*993.4*	990.0	950.1	894.7	848.6	817.8	795.6	775.4	745.1	696.1	658.6
117.5°	*938.0*	931.8	897.1	846.2	803.3	774.5	757.6	739.8	712.4	666.2	633.5
120°	*878.4*	876.9	843.8	796.1	756.2	733.6	717.2	702.3	678.3	636.4	605.6
122.5°	*822.1*	819.2	787.5	744.7	711.5	690.3	677.3	664.3	643.6	604.7	575.8
125°	*762.5*	759.1	734.1	699.0	667.2	647.0	634.5	624.4	605.6	570.5	543.6
127.5°	*707.1*	703.8	681.2	647.5	622.5	604.2	592.6	583.5	564.7	534.4	510.9
130°	*652.3*	646.5	626.8	599.9	574.8	562.3	550.8	544.1	524.8	496.4	475.8
132.5°	*593.6*	590.7	576.8	551.8	531.6	518.6	508.5	499.8	484.9	458.9	440.2
135°	*541.7*	538.8	525.8	504.6	490.7	478.6	469.5	460.4	445.0	420.0	404.1
137.5°	*492.1*	489.7	478.2	463.7	445.9	438.7	432.5	421.4	407.9	385.3	370.9
140°	*440.2*	441.1	432.0	419.0	407.9	399.3	393.0	383.9	370.4	351.2	336.7
142.5°	*397.3*	398.8	387.7	378.6	368.5	361.7	355.5	347.8	334.8	317.5	306.4
145°	*356.9*	353.6	349.2	340.6	331.0	326.6	320.4	313.6	303.5	286.2	277.1
147.5°	*316.0*	315.1	310.8	305.0	297.3	290.6	285.7	281.9	271.8	257.4	249.2
150°	*279.0*	278.0	275.6	271.3	264.6	260.2	256.4	251.1	241.5	230.4	223.2
152.5°	*246.3*	246.3	244.9	239.1	236.2	231.4	226.6	223.7	214.1	204.9	198.7
155°	*217.9*	217.9	216.0	213.1	207.8	204.9	202.0	197.7	191.0	183.8	178.0
157.5°	*193.4*	193.9	191.5	189.1	185.2	182.8	179.9	175.6	171.3	164.5	160.2
160°	*171.7*	172.2	171.3	169.3	165.5	163.1	160.7	157.3	153.5	148.2	144.3
162.5°	*154.4*	153.9	153.0	151.0	148.6	147.2	144.3	141.9	138.5	134.7	131.3
165°	*140.9*	139.5	139.0	137.6	135.2	133.7	131.3	129.4	127.0	123.1	121.7
167.5°	*128.9*	128.9	128.0	127.0	125.1	123.1	121.2	119.8	117.9	115.5	113.5
170°	*119.3*	119.3	118.3	117.4	115.5	114.5	113.0	111.6	110.2	108.2	107.3
172.5°	*111.6*	111.6	111.1	109.7	108.7	107.3	106.8	105.3	103.9	102.9	102.0
175°	*105.8*	105.8	104.9	103.9	102.9	102.0	101.0	100.5	100.1	99.1	98.6
177.5°	*101.5*	101.0	100.5	99.6	98.6	98.1	97.7	97.2	97.2	96.7	96.2
180°	*95.7*	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
2.5°	49.1	44.7	39.9	35.6	33.2	29.8	27.9	26.9	27.9	26.5
5°	58.2	50.5	42.8	37.0	30.8	26.0	21.6	17.3	14.4	14.0
7.5°	77.4	68.8	58.2	48.6	39.9	32.2	25.5	20.2	16.4	15.9
10°	102.5	89.5	76.0	62.5	50.0	39.9	31.7	26.0	24.1	23.6
12.5°	133.7	115.0	96.2	78.4	63.0	49.5	40.4	34.2	31.3	30.8
15°	166.4	142.9	118.8	95.7	75.0	58.7	47.1	40.4	37.0	36.6
17.5°	201.6	170.8	138.1	111.1	86.6	66.9	52.4	43.3	39.4	38.5
20°	237.2	198.7	161.1	126.0	96.2	72.2	55.3	44.7	39.9	39.0
22.5°	277.1	230.9	184.2	140.5	104.9	77.4	57.7	45.7	40.4	39.4
25°	322.3	263.6	208.3	157.3	114.5	82.3	60.1	47.1	40.9	39.9
27.5°	368.5	300.2	232.8	172.2	122.7	85.6	62.1	47.6	41.4	40.4
30°	415.1	336.7	257.8	186.6	129.9	89.5	63.0	48.1	41.4	40.9
32.5°	463.7	370.9	281.9	200.1	136.1	91.9	64.0	48.6	41.9	40.9
35°	507.5	407.0	304.5	213.1	141.9	93.8	64.5	48.6	41.9	40.9
37.5°	549.4	437.8	325.2	223.7	146.2	95.2	64.9	48.6	41.9	40.9
40°	593.1	470.5	343.9	233.3	149.6	96.2	64.9	48.6	41.9	41.4
42.5°	628.7	497.9	359.8	240.0	152.0	96.2	64.9	48.6	42.3	41.4
45°	661.0	520.5	375.2	246.3	153.5	96.2	64.5	49.1	42.3	41.9
47.5°	688.9	543.1	386.8	250.6	153.9	96.2	64.5	49.1	42.8	42.3
50°	714.8	561.4	396.9	254.0	154.4	95.7	64.5	49.5	43.3	42.3
52.5°	737.0	576.3	405.0	255.9	153.5	94.8	64.5	50.0	44.3	43.3
55°	755.7	590.2	410.8	256.9	152.5	94.3	64.5	50.5	44.7	44.3
57.5°	771.1	601.3	416.1	257.4	151.5	93.8	64.9	51.5	46.2	45.7
60°	785.1	610.4	420.0	257.4	150.6	93.3	65.4	52.4	47.1	46.7
62.5°	796.1	617.7	422.8	256.9	150.1	93.3	66.4	53.9	48.6	48.1
65°	803.8	623.0	424.3	255.9	149.1	93.8	67.3	55.3	50.5	50.0
67.5°	811.0	627.8	425.2	255.4	148.6	94.3	68.8	57.2	52.4	52.0
70°	815.4	630.6	425.7	255.0	148.2	95.2	70.2	59.2	54.8	54.4
72.5°	817.3	632.6	426.2	254.0	148.6	96.2	72.2	61.1	57.2	56.8
73°	*817.8*	*632.6*	*425.7*	*254.0*	*148.6*	*96.7*	*72.6*	*62.1*	*57.7*	*57.2*
75°	818.7	632.6	425.2	253.5	149.1	97.7	74.1	64.0	59.6	59.6
77.5°	817.3	631.6	424.3	253.0	149.6	99.6	76.5	66.4	62.5	62.1
80°	814.4	629.2	422.8	253.0	150.6	101.5	79.4	69.3	65.4	64.9
82.5°	808.2	624.9	420.9	252.5	152.0	103.9	82.3	72.2	68.8	68.3
85°	801.9	619.6	418.0	252.5	153.9	106.8	85.1	75.5	72.2	71.7
87.5°	792.3	613.3	415.1	252.1	155.9	109.2	88.0	78.9	75.0	75.0
90°	781.2	606.6	412.3	252.5	157.8	112.6	91.9	82.7	78.9	78.4
92.5°	770.2	598.9	408.9	253.5	161.1	115.9	95.7	86.6	82.7	81.8
95°	755.2	588.3	405.0	254.0	164.0	119.8	99.6	90.4	86.6	86.6
97.5°	739.8	578.7	400.7	255.4	167.9	124.6	104.9	95.2	91.4	91.4
100°	723.5	568.6	397.8	256.9	171.7	129.9	109.7	100.1	96.2	96.2
102.5°	706.2	557.5	394.9	259.8	177.5	135.2	115.5	105.8	101.5	101.5
105°	688.4	546.9	392.1	263.1	183.3	141.9	121.7	112.1	107.8	107.8
107.5°	671.1	536.8	389.6	267.5	189.5	148.6	128.0	118.3	114.0	113.0

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

Scaled Data Report

REPORT NUMBER: P1224017
CATALOG NUMBER: FFX-CLB-60-722-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	652.8	526.3	387.7	271.8	196.7	156.3	135.7	124.6	119.8	119.8
112.5°	633.1	515.2	386.3	276.1	204.4	164.0	142.4	131.3	126.5	125.6
115°	612.4	504.1	383.4	280.9	211.2	171.7	149.6	137.1	131.8	131.3
117.5°	592.2	491.1	380.0	284.3	217.4	178.0	155.4	142.9	137.1	136.6
120°	568.6	476.7	374.3	285.3	222.2	182.8	160.2	146.7	140.9	140.0
122.5°	542.6	458.0	366.1	284.3	224.6	186.2	163.1	149.6	142.9	142.4
125°	513.3	437.3	355.5	280.9	225.1	187.6	164.0	150.1	143.8	142.9
127.5°	482.5	416.6	341.5	274.2	222.2	186.6	163.1	149.1	142.4	141.9
130°	450.7	392.1	325.2	265.5	217.4	183.3	160.7	146.7	140.0	139.5
132.5°	419.0	366.1	307.4	254.0	210.7	178.0	156.3	142.9	136.6	135.7
135°	384.8	340.6	289.1	242.0	201.6	172.2	151.0	138.1	131.8	131.3
137.5°	353.6	314.1	270.3	228.5	192.9	164.5	145.3	133.2	128.0	127.0
140°	322.8	288.6	250.1	214.1	181.8	156.8	138.5	128.0	122.7	122.2
142.5°	294.4	265.1	232.3	200.1	171.7	149.1	132.8	122.7	118.3	117.4
145°	265.1	240.5	213.6	185.7	160.7	140.9	126.5	117.4	113.5	112.6
147.5°	239.6	217.9	194.8	171.3	150.6	132.8	120.3	112.6	109.2	108.7
150°	215.5	197.2	177.0	157.8	139.5	125.1	114.5	107.8	104.9	104.4
152.5°	193.9	178.0	161.6	145.3	129.9	118.3	109.2	103.4	101.0	101.0
155°	173.7	160.7	147.7	134.2	122.2	112.6	105.3	100.5	98.6	98.1
157.5°	156.3	146.2	135.7	124.6	115.5	107.3	101.5	98.1	96.2	96.2
160°	141.4	133.7	125.1	116.9	109.7	102.9	98.6	95.7	94.3	94.3
162.5°	129.4	123.1	116.4	110.2	103.9	99.6	96.2	94.3	93.3	93.3
165°	119.3	115.0	110.2	104.9	100.5	97.2	94.8	93.3	92.8	92.8
167.5°	112.1	108.2	104.4	101.0	98.1	95.2	93.8	92.8	92.8	92.4
170°	105.8	103.4	100.1	97.7	95.2	93.8	92.8	92.4	92.4	91.9
172.5°	101.0	99.1	97.2	95.2	93.8	92.8	92.4	92.4	92.4	92.4
175°	98.1	96.7	95.2	94.3	93.3	92.4	92.4	92.8	92.8	92.8
177.5°	95.7	95.2	94.3	93.8	93.3	93.3	93.3	93.8	94.3	94.3
180°	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

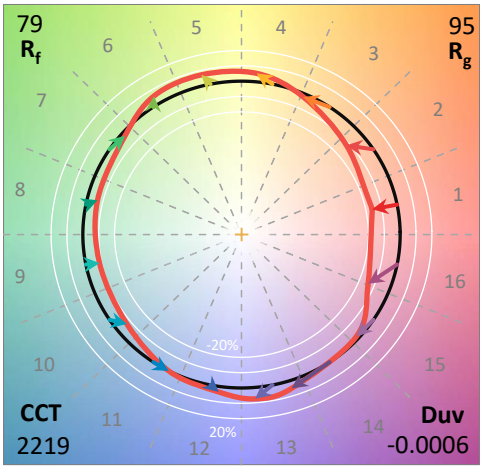
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

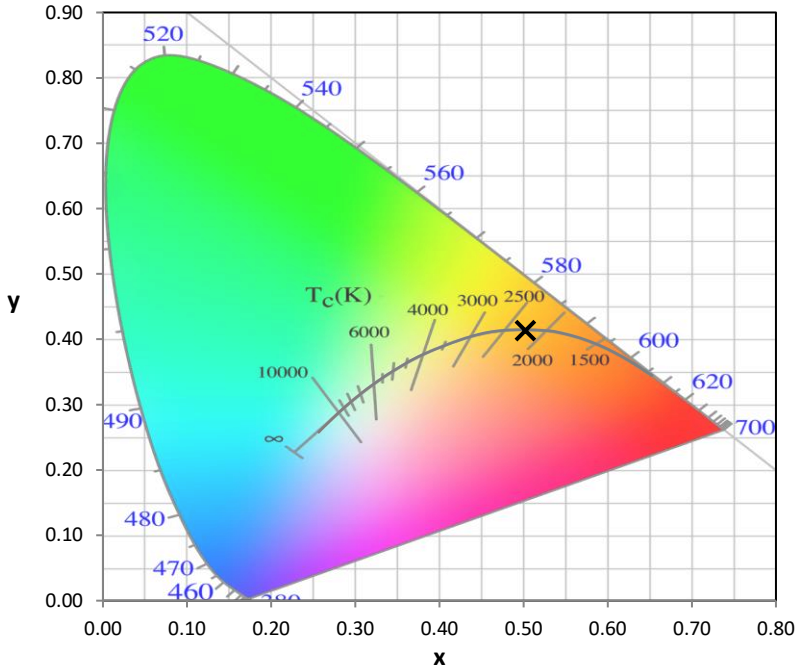
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

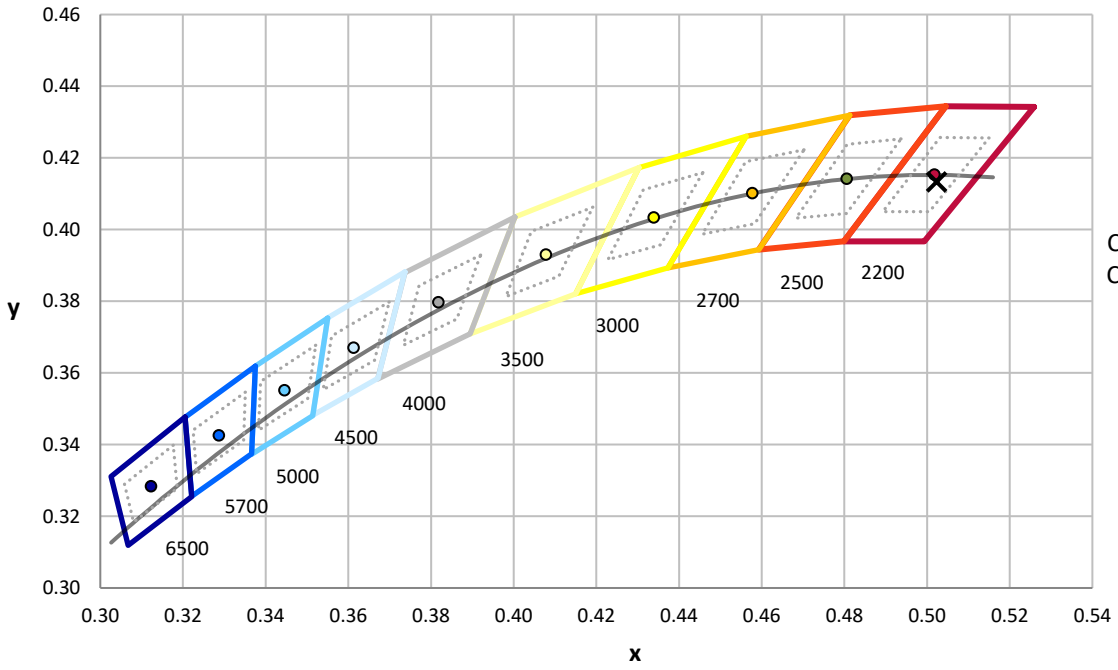
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

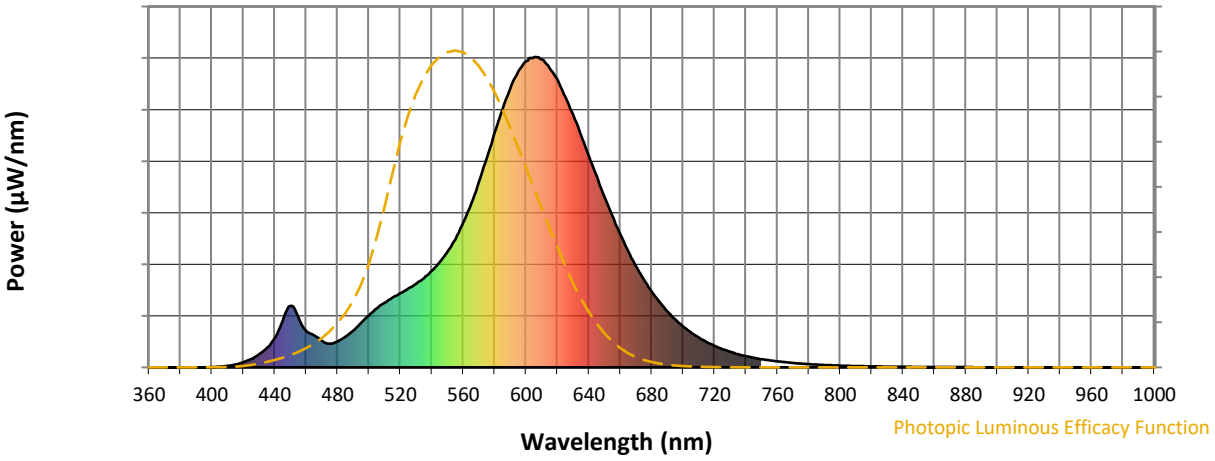


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

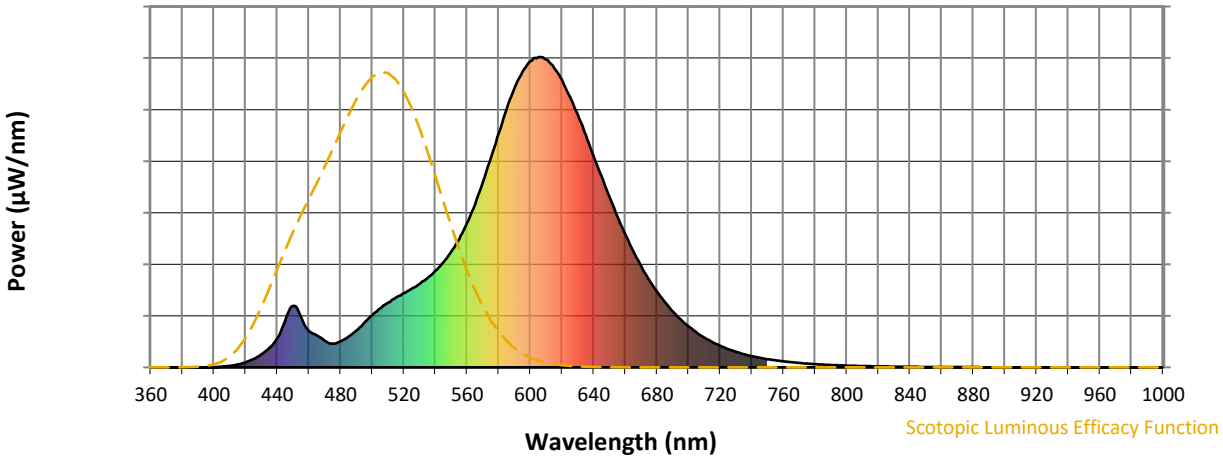


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

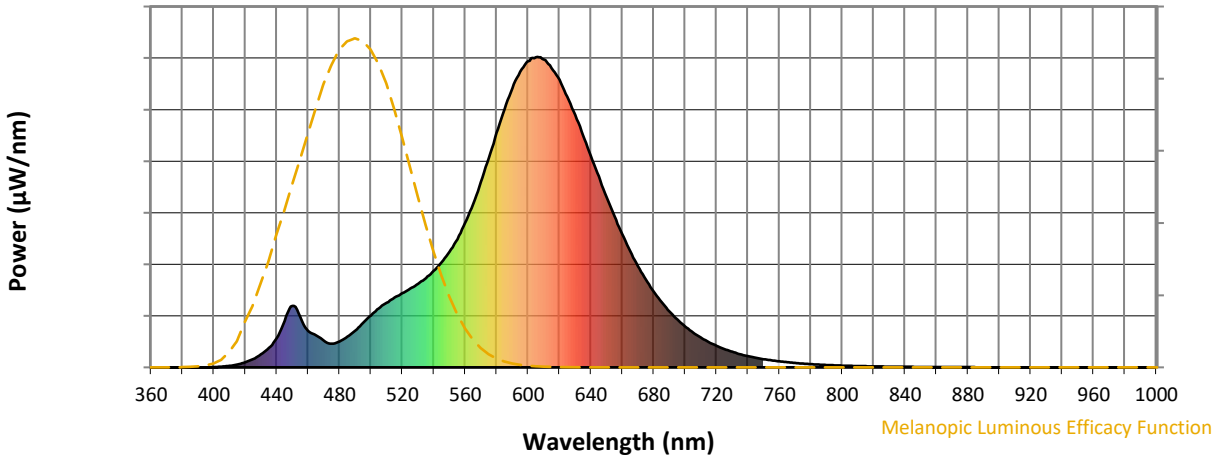


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

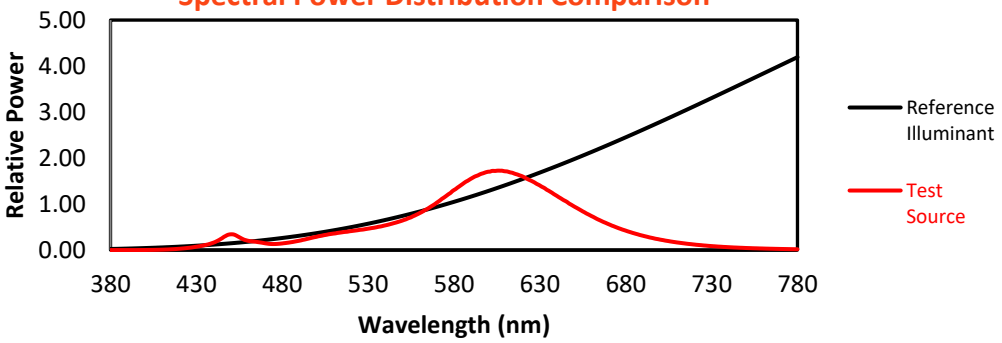
REPORT NUMBER: SP1-2501-332-2

TM-30-18

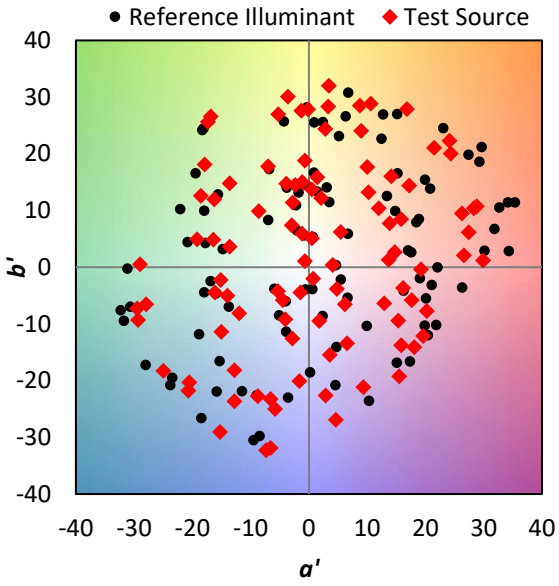
Summary

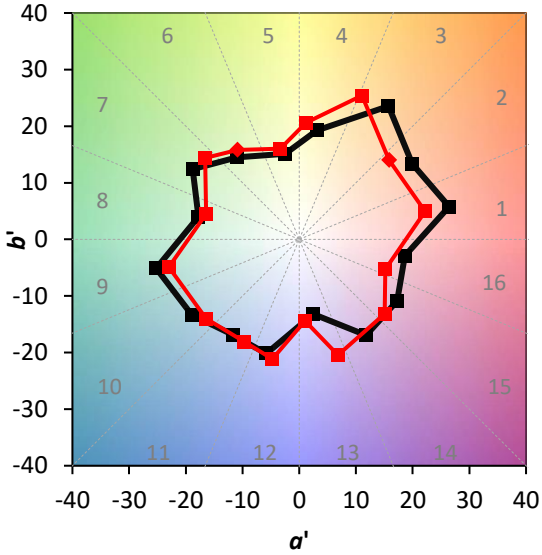
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

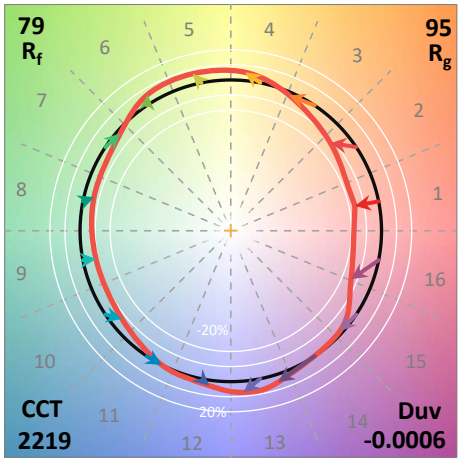
Spectral Power Distribution Comparison

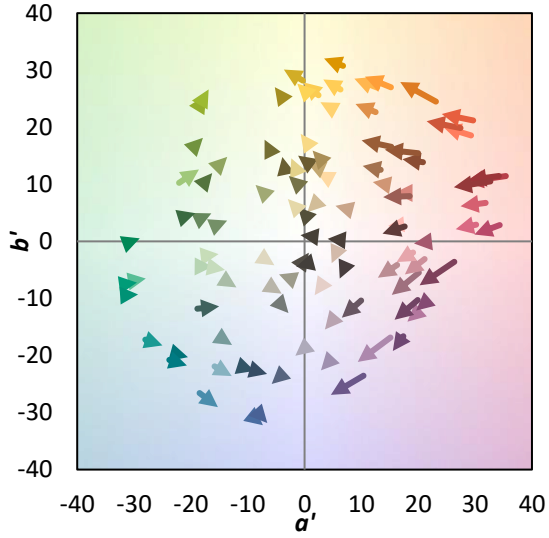


Color Vector Graphics







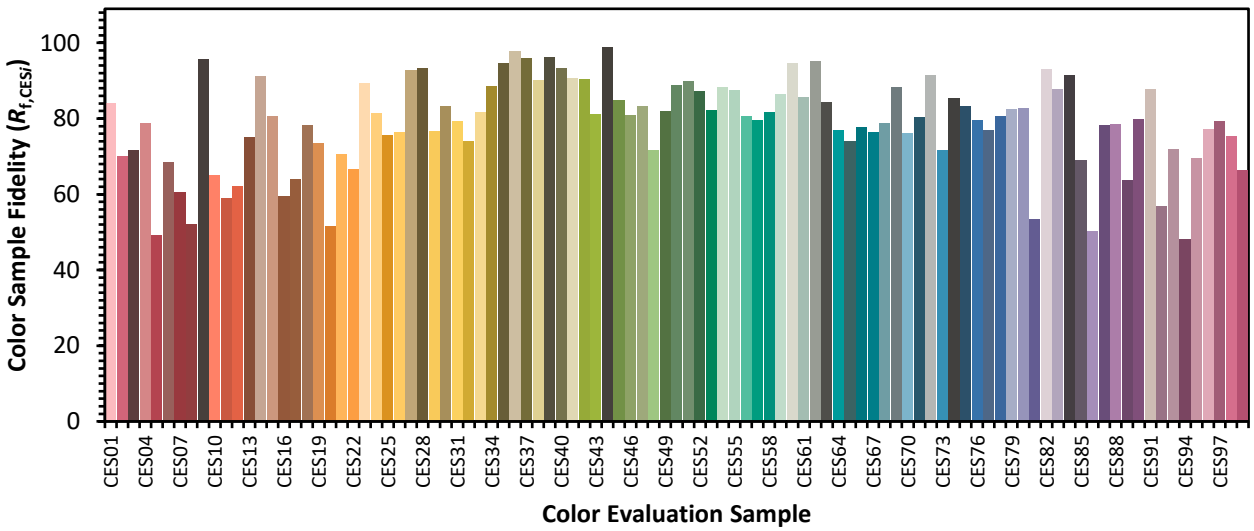


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

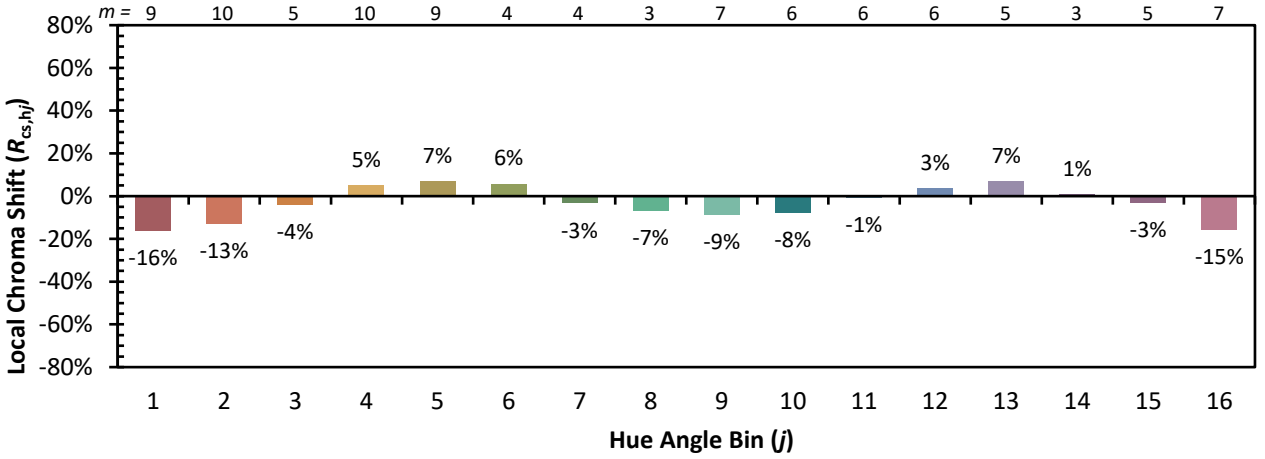
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

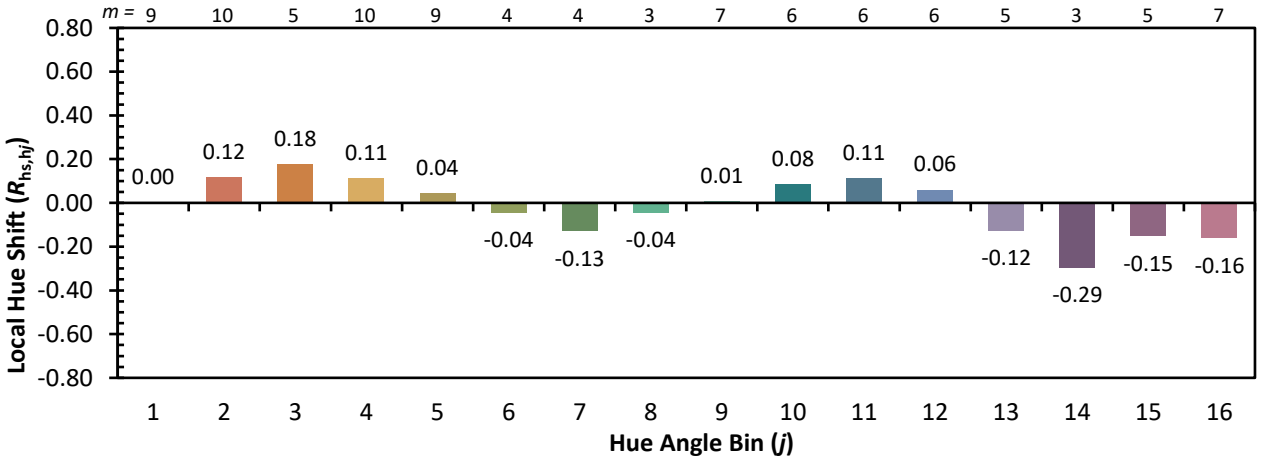


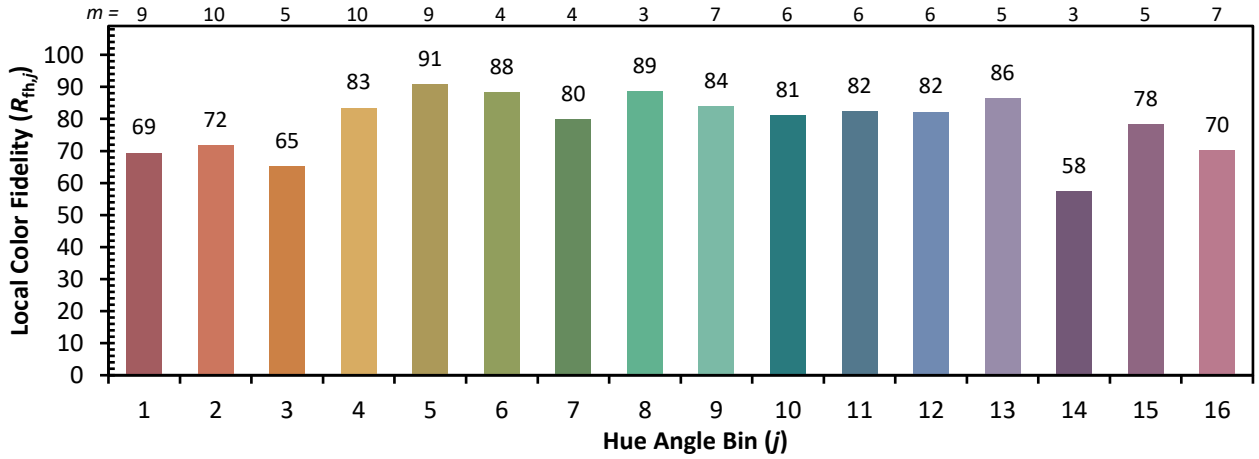
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Color Rendition by Hue-Angle Bin



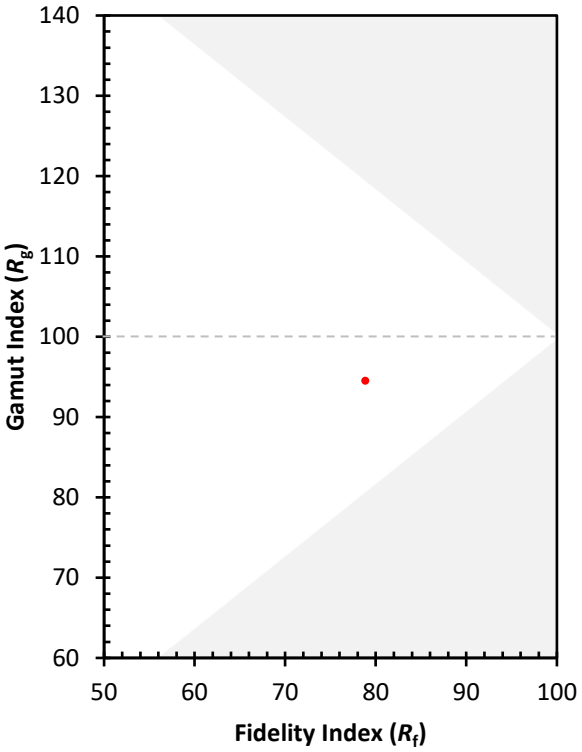


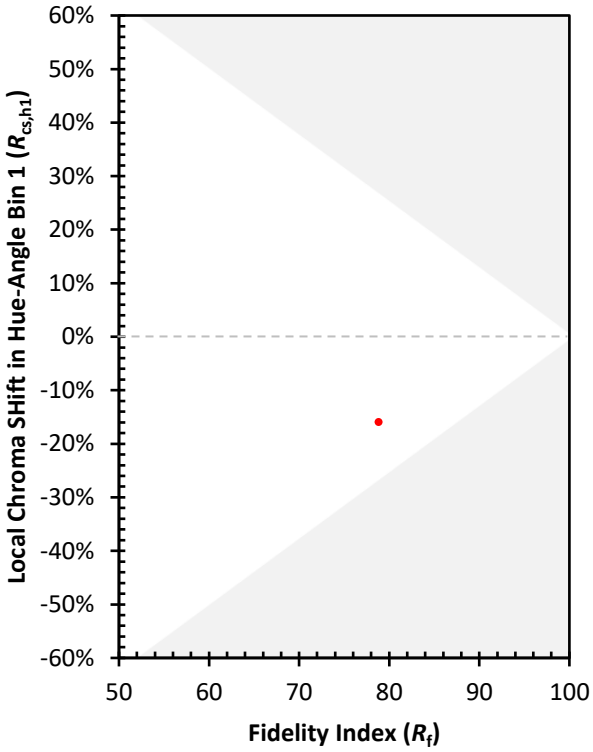


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Measure Comparisons





(END OF REPORT)