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: P1045824

Luminaire Tested: **FFX-CLB-80-722-U-VM8-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:	P1045824
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-722-U-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7232.6 lumens
Efficiency:	N/A
Efficacy:	88.4 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):	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

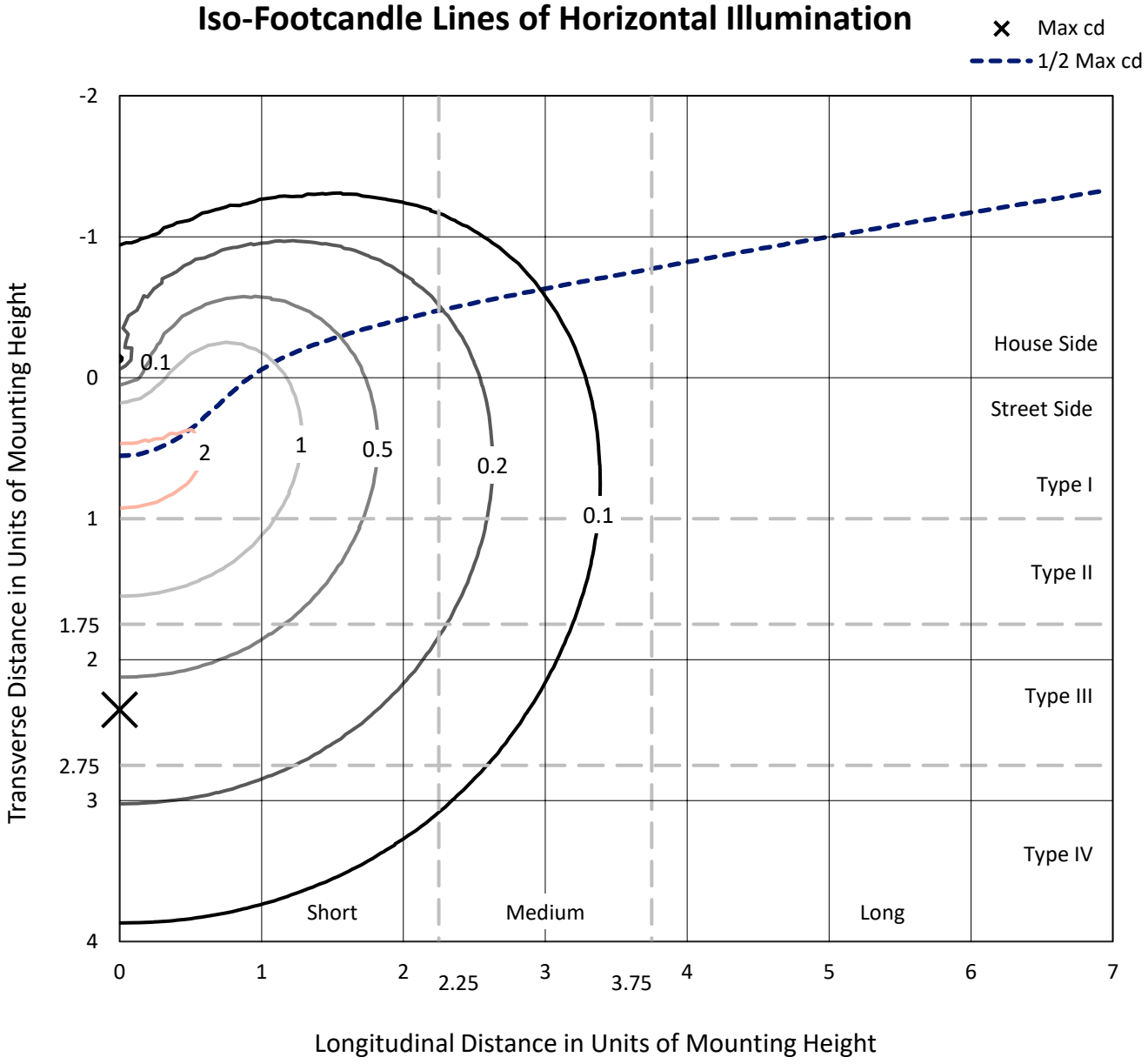


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Iso-Footcandle Lines of Horizontal Illumination



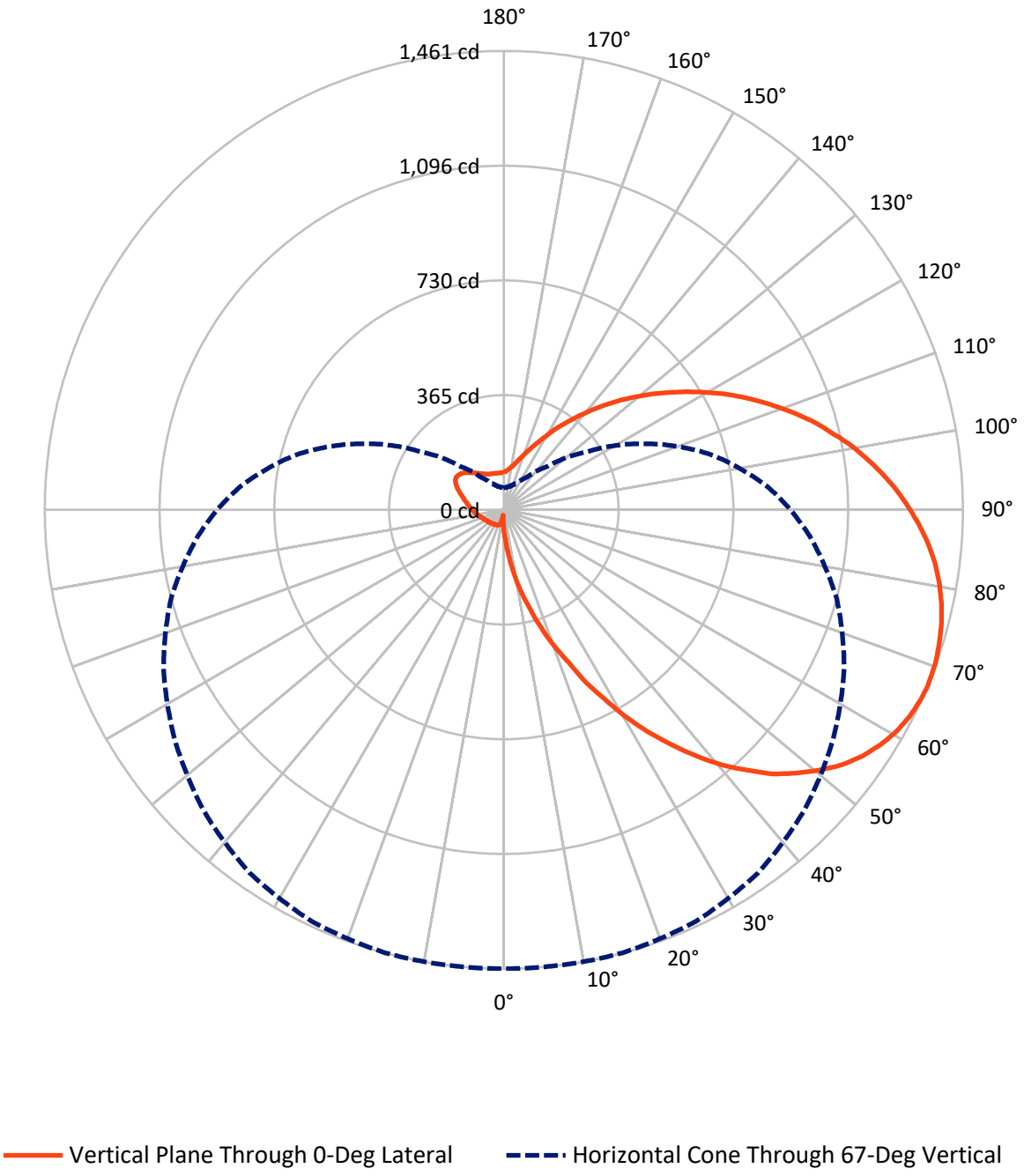
Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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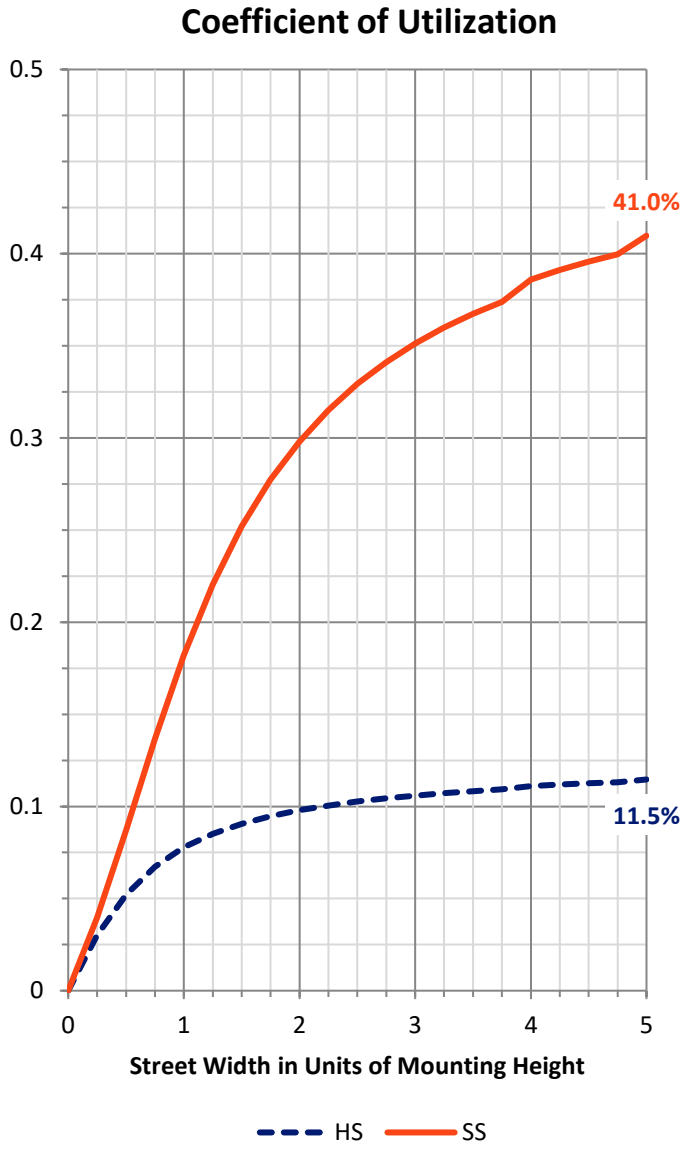
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	895.6	853.3	1748.9
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	3377.1	2106.6	5483.7
	% Fixture	46.7	29.1	75.8
Total	Lumens	4272.7	2959.8	7232.6
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	60.1	0.8
20°-30°	167.8	2.3
30°-40°	335.8	4.6
40°-50°	527.7	7.3
50°-60°	693.8	9.6
60°-70°	801.1	11.1
70°-80°	845.4	11.7
80°-90°	831.4	11.5
90°-100°	763.1	10.6
100°-110°	660.0	9.1
110°-120°	541.7	7.5
120°-130°	413.1	5.7
130°-140°	278.2	3.8
140°-150°	164.9	2.3
150°-160°	86.7	1.2
160°-170°	40.4	0.6
170°-180°	11.8	0.2
0°-90°	4272.7	59.1
0°-180°	7232.6	100.0



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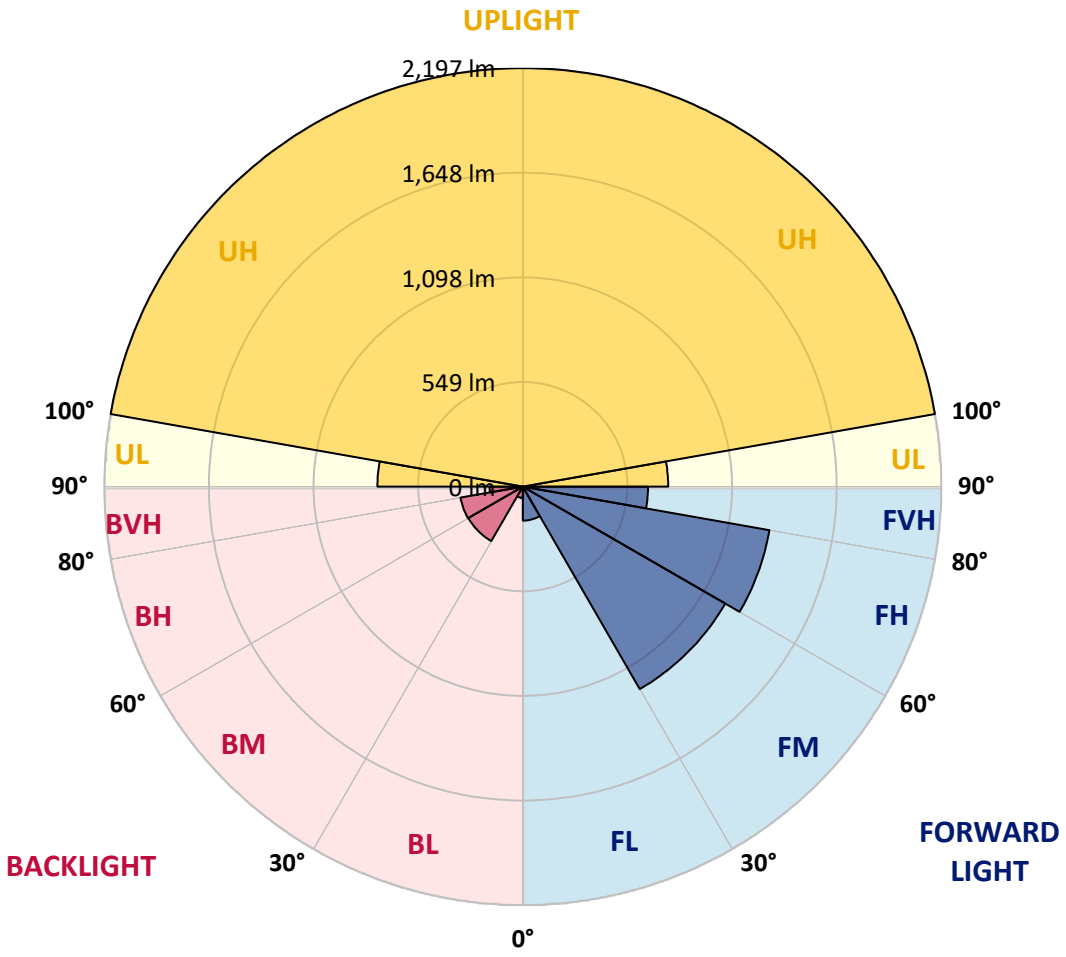
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	178.5	2.5			
FM	(30°-60°)	1227.1	17.0			
FH	(60°-80°)	1314.5	18.2			G1/1800
FVH	(80°-90°)	657.1	9.1			G4/750
BL	(0°-30°)	59.0	0.8	B0/110		
BM	(30°-60°)	330.2	4.6	B1/1000		
BH	(60°-80°)	332.0	4.6	B1/500		G1/500
BVH	(80°-90°)	174.4	2.4			G2/225
UL	(90°-100°)	763.1	10.6		U4/1000	
UH	(100°-180°)	2196.7	30.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*70.4*	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
2.5°	*93.4*	95.0	95.0	94.2	93.4	91.8	90.2	87.0	80.7	76.0	71.2
5°	*135.3*	135.3	136.1	135.3	132.1	129.0	121.9	116.3	106.0	98.1	89.4
7.5°	*183.6*	186.0	185.2	182.8	177.3	170.1	161.4	151.1	140.9	129.0	115.5
10°	*237.4*	236.6	236.6	233.4	227.1	217.6	208.1	196.2	181.2	166.2	148.8
12.5°	*288.0*	290.4	288.8	284.9	277.0	269.8	258.0	244.5	227.1	211.3	187.5
15°	*342.6*	344.2	344.2	341.8	334.7	324.4	311.0	298.3	275.4	253.2	230.3
17.5°	*405.2*	402.8	399.6	399.6	390.9	382.2	368.8	351.3	326.0	301.5	270.6
20°	*467.7*	466.9	462.9	460.5	455.0	442.3	424.9	405.2	379.8	352.1	315.7
22.5°	*526.2*	534.1	533.3	529.4	522.3	509.6	490.6	466.9	440.8	405.9	364.0
25°	*609.3*	604.6	605.4	601.4	595.1	580.0	561.0	533.3	501.7	462.9	415.4
27.5°	*681.3*	679.7	679.7	677.4	668.7	652.8	630.7	604.6	568.2	522.3	469.2
30°	*764.4*	760.5	758.9	756.5	747.8	730.4	707.4	675.0	635.4	588.7	526.2
32.5°	*842.7*	839.6	834.0	833.3	826.9	808.7	782.6	749.4	704.3	649.7	580.8
35°	*917.9*	919.5	917.1	913.2	904.5	887.1	861.7	821.4	777.1	713.8	639.4
37.5°	*993.9*	993.1	994.7	991.5	978.1	961.4	931.4	888.6	838.0	769.2	690.8
40°	*1068.3*	1064.3	1063.5	1060.4	1050.9	1034.2	1000.2	956.7	899.7	828.5	739.9
42.5°	*1132.4*	1133.9	1132.4	1129.2	1116.5	1097.5	1061.9	1013.7	953.5	876.8	785.8
45°	*1199.6*	1197.3	1196.5	1196.5	1179.8	1160.1	1121.3	1071.4	1004.2	921.9	825.3
47.5°	*1252.6*	1255.8	1254.2	1250.3	1239.2	1214.7	1173.5	1118.9	1048.5	963.8	860.9
50°	*1302.5*	1306.5	1307.2	1303.3	1289.8	1262.9	1220.2	1159.3	1088.1	998.6	891.8
52.5°	*1348.4*	1347.6	1350.0	1347.6	1334.9	1307.2	1258.2	1196.5	1119.7	1027.9	915.5
55°	*1384.0*	1384.0	1385.6	1382.4	1370.6	1339.7	1289.0	1223.4	1145.0	1050.9	936.1
57.5°	*1412.5*	1414.1	1413.3	1412.5	1399.0	1366.6	1312.8	1244.7	1165.6	1067.5	951.2
60°	*1434.6*	1435.4	1435.4	1433.9	1420.4	1386.4	1331.8	1261.4	1179.1	1081.7	963.0
62.5°	*1448.9*	1449.7	1449.7	1448.1	1434.6	1399.8	1344.4	1271.6	1188.6	1090.4	970.9
65°	*1457.6*	1458.4	1458.4	1456.8	1443.4	1407.7	1350.8	1277.2	1193.3	1095.2	975.7
67°	*1460.8*	*1460.8*	*1460.8*	*1460.0*	*1445.7*	*1410.9*	*1352.4*	*1278.0*	*1194.9*	*1096.8*	*978.1*
67.5°	*1460.0*	1460.0	1460.8	1459.2	1445.7	1410.1	1351.6	1278.0	1194.1	1096.8	978.1
70°	*1457.6*	1457.6	1457.6	1456.0	1442.6	1407.0	1348.4	1274.0	1191.7	1095.2	977.3
72.5°	*1448.9*	1449.7	1449.7	1448.1	1434.6	1399.8	1341.3	1266.9	1185.4	1090.4	974.9
75°	*1438.6*	1438.6	1438.6	1437.0	1423.6	1388.8	1331.0	1257.4	1177.5	1084.1	970.1
77.5°	*1423.6*	1423.6	1423.6	1422.0	1408.5	1374.5	1317.5	1245.5	1167.2	1075.4	964.6
80°	*1404.6*	1405.4	1404.6	1403.0	1389.5	1355.5	1300.9	1230.5	1153.7	1065.1	956.7
82.5°	*1382.4*	1383.2	1382.4	1379.3	1366.6	1334.2	1279.6	1210.7	1137.9	1051.7	947.2
85°	*1353.9*	1353.1	1353.9	1349.2	1338.1	1305.7	1255.8	1188.6	1118.1	1035.8	933.7
87.5°	*1321.5*	1322.3	1320.7	1318.3	1304.9	1273.2	1225.7	1163.2	1095.2	1016.8	917.9
90°	*1285.9*	1285.9	1285.1	1281.9	1267.7	1239.2	1194.1	1133.9	1070.6	995.5	901.3
92.5°	*1249.5*	1248.7	1246.3	1244.7	1232.1	1202.8	1159.3	1105.5	1046.1	974.1	883.9
95°	*1209.1*	1209.1	1207.5	1204.4	1190.1	1166.4	1124.5	1073.8	1017.6	951.2	865.7
97.5°	*1166.4*	1165.6	1164.8	1160.1	1147.4	1123.7	1089.6	1040.6	989.1	926.6	845.1
100°	*1124.5*	1122.1	1120.5	1115.7	1104.7	1081.7	1049.3	1006.5	956.7	899.7	823.0
102.5°	*1075.4*	1075.4	1074.6	1069.9	1055.6	1036.6	1007.3	969.4	926.6	872.0	799.2
105°	*1031.9*	1027.9	1026.3	1021.6	1010.5	989.9	965.4	932.2	892.6	842.0	775.5
107.5°	*982.8*	979.6	978.9	971.7	963.0	944.0	923.5	892.6	859.4	814.3	751.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*933.0*	931.4	930.6	923.5	912.4	899.7	878.4	853.8	824.5	783.4	728.0
112.5°	*883.9*	882.3	882.3	876.8	866.5	850.7	835.6	814.3	788.1	752.5	701.1
115°	*835.6*	833.3	832.5	826.1	815.8	804.0	788.9	773.9	751.7	721.7	675.0
117.5°	*787.4*	784.2	785.0	779.4	771.5	759.7	745.4	735.1	716.1	688.4	648.9
120°	*737.5*	738.3	738.3	731.2	724.1	714.6	702.7	692.4	679.7	655.2	618.8
122.5°	*690.0*	691.6	691.6	686.9	678.2	669.4	661.5	652.0	641.0	622.0	589.5
125°	*642.5*	645.7	644.1	640.2	633.0	623.6	618.0	610.1	601.4	585.6	557.1
127.5°	*599.0*	599.0	595.1	595.9	588.7	580.8	576.1	570.5	561.8	546.8	523.8
130°	*553.9*	554.7	555.5	550.8	544.4	538.1	533.3	531.0	523.8	511.2	488.2
132.5°	*512.8*	512.8	511.2	508.0	502.5	497.7	497.7	490.6	485.1	473.2	453.4
135°	*472.4*	471.6	471.6	468.5	464.5	462.1	456.6	453.4	447.9	436.8	421.8
137.5°	*432.8*	434.4	432.8	430.5	426.5	423.4	419.4	418.6	410.7	402.8	386.2
140°	*394.9*	397.2	394.9	394.1	390.9	387.0	384.6	381.4	379.0	368.8	354.5
142.5°	*359.3*	360.8	359.3	358.5	356.1	352.9	351.3	349.0	343.4	337.1	325.2
145°	*328.4*	327.6	327.6	326.8	323.6	321.3	318.9	317.3	314.2	307.8	294.4
147.5°	*298.3*	296.0	297.5	296.0	293.6	292.0	291.2	288.0	284.9	278.5	269.0
150°	*267.5*	269.0	268.3	267.5	265.1	265.1	262.7	260.3	258.0	250.8	244.5
152.5°	*242.1*	242.1	242.9	241.4	240.6	238.2	236.6	235.8	232.6	227.9	220.8
155°	*220.8*	220.0	220.0	220.0	218.4	216.0	215.2	213.7	212.1	206.5	200.2
157.5°	*200.2*	200.2	200.2	199.4	199.4	197.0	196.2	193.9	191.5	188.3	182.8
160°	*182.8*	182.8	182.0	182.0	181.2	180.4	178.8	176.5	174.9	172.5	167.8
162.5°	*168.5*	167.8	167.8	167.0	166.2	164.6	163.8	163.0	160.6	158.3	154.3
165°	*155.1*	155.1	155.1	154.3	153.5	152.7	151.9	150.3	148.8	147.2	144.8
167.5°	*144.8*	144.8	144.8	144.0	144.0	143.2	142.4	140.9	139.3	137.7	136.1
170°	*136.9*	136.9	136.9	136.1	135.3	134.5	133.7	132.9	132.1	130.6	129.8
172.5°	*130.6*	130.6	130.6	130.6	129.0	128.2	127.4	127.4	126.6	125.8	125.0
175°	*125.0*	125.0	125.0	125.0	124.2	123.4	122.7	122.7	121.9	121.1	120.3
177.5°	*121.9*	121.9	121.9	121.1	121.1	120.3	119.5	119.5	118.7	118.7	117.9
180°	*117.9*	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
2.5°	68.1	64.9	59.3	54.6	50.6	46.7	44.3	41.9	41.9	42.7	41.1
5°	82.3	76.8	66.5	55.4	45.9	38.0	31.7	26.1	21.4	19.0	19.0
7.5°	109.2	102.9	88.6	74.4	60.9	48.3	38.0	29.3	22.2	18.2	17.4
10°	140.1	132.9	113.2	95.7	79.1	63.3	49.9	38.0	30.1	26.1	25.3
12.5°	175.7	166.2	142.4	120.3	98.9	79.1	62.5	49.1	41.1	37.2	36.4
15°	216.8	201.8	174.9	147.2	119.5	95.0	75.2	60.1	51.4	45.9	45.9
17.5°	254.0	238.2	205.7	170.1	138.5	110.0	86.3	68.1	56.2	50.6	49.9
20°	296.7	275.4	236.6	195.5	156.7	121.9	93.4	72.8	58.6	51.4	51.4
22.5°	340.3	318.1	270.6	220.8	174.1	132.9	100.5	76.0	60.1	52.2	51.4
25°	391.7	361.6	304.7	248.5	193.9	144.8	106.8	79.1	61.7	53.8	52.2
27.5°	441.6	410.7	344.2	276.2	212.1	156.7	112.4	82.3	63.3	54.6	53.8
30°	493.8	455.8	380.6	304.7	231.1	167.0	117.9	84.7	64.1	55.4	53.8
32.5°	546.0	504.1	421.0	332.4	249.3	176.5	122.7	86.3	65.7	56.2	54.6
35°	599.0	553.9	459.8	360.0	265.9	185.2	125.8	87.8	66.5	56.2	55.4
37.5°	644.9	597.4	496.2	385.4	280.1	192.3	129.0	89.4	66.5	57.0	56.2
40°	690.8	639.4	527.8	406.7	292.8	197.8	131.4	90.2	67.3	57.8	57.0
42.5°	732.0	675.0	555.5	425.7	303.1	201.8	132.1	90.2	68.1	58.6	57.8
45°	769.2	711.4	581.6	443.9	311.8	204.2	132.9	91.0	68.8	59.3	58.6
47.5°	803.2	741.5	605.4	459.0	318.9	206.5	132.9	91.0	69.6	60.9	59.3
50°	831.7	766.8	625.1	471.6	323.6	207.3	132.1	91.0	70.4	61.7	60.9
52.5°	853.8	788.1	641.8	480.3	326.8	206.5	131.4	91.0	71.2	62.5	61.7
55°	872.8	805.6	653.6	487.4	327.6	204.9	130.6	91.0	72.0	64.1	63.3
57.5°	887.1	818.2	663.9	493.0	328.4	203.4	129.0	91.0	72.8	64.9	64.1
60°	898.1	829.3	671.8	496.2	327.6	201.0	128.2	91.0	73.6	66.5	65.7
62.5°	906.1	835.6	676.6	496.9	325.2	198.6	126.6	91.0	74.4	68.1	67.3
65°	910.8	840.4	680.5	497.7	322.9	196.2	125.8	91.8	76.0	70.4	69.6
67°	*912.4*	*842.7*	*681.3*	*497.7*	*321.3*	*194.7*	*125.8*	*92.6*	*77.5*	*71.2*	*70.4*
67.5°	913.2	842.7	681.3	496.9	320.5	194.7	125.8	92.6	77.5	72.0	71.2
70°	912.4	842.7	681.3	495.4	318.1	193.1	125.0	94.2	79.9	74.4	73.6
72.5°	910.8	841.2	679.7	493.0	314.9	191.5	125.8	95.7	82.3	76.8	76.0
75°	906.8	838.0	676.6	489.8	312.6	189.9	126.6	97.3	84.7	79.9	79.1
77.5°	902.9	834.0	674.2	486.7	310.2	189.9	127.4	99.7	87.8	83.1	82.3
80°	895.8	828.5	669.4	483.5	307.8	189.1	129.0	102.9	91.0	86.3	85.5
82.5°	887.1	820.6	663.1	478.7	305.4	189.1	131.4	105.2	94.2	89.4	88.6
85°	875.2	810.3	655.2	472.4	303.1	189.9	132.9	108.4	97.3	93.4	92.6
87.5°	861.7	797.6	645.7	466.9	300.7	189.9	135.3	111.6	100.5	96.5	96.5
90°	845.9	784.2	634.6	460.5	298.3	191.5	138.5	114.7	104.5	100.5	100.5
92.5°	831.7	769.9	625.9	454.2	296.7	193.1	141.6	118.7	108.4	104.5	104.5
95°	812.7	754.9	613.3	448.7	296.0	194.7	144.8	122.7	113.2	109.2	108.4
97.5°	794.5	738.3	602.2	442.3	295.2	197.8	148.8	127.4	117.1	113.2	113.2
100°	774.7	721.7	589.5	436.8	295.2	201.8	154.3	132.1	122.7	118.7	117.9
102.5°	755.7	703.5	576.9	431.3	296.7	205.7	159.8	137.7	128.2	124.2	123.4
105°	734.3	684.5	565.8	426.5	298.3	211.3	166.2	144.8	134.5	130.6	129.8
107.5°	713.0	667.1	553.1	422.6	301.5	218.4	174.1	151.9	141.6	136.9	136.1

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

Scaled Data Report

REPORT NUMBER: P1045824
CATALOG NUMBER: FFX-CLB-80-722-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	690.0	648.1	542.0	419.4	306.2	226.3	182.8	161.4	149.6	144.8	144.0
112.5°	668.7	629.1	530.2	417.0	311.0	235.8	193.1	170.1	159.1	152.7	151.9
115°	644.9	609.3	519.1	414.6	316.5	245.3	204.2	179.6	167.8	161.4	161.4
117.5°	622.0	588.7	506.4	412.3	322.1	255.6	214.4	189.9	176.5	170.1	169.3
120°	595.1	566.6	493.0	407.5	325.2	263.5	223.1	198.6	183.6	177.3	176.5
122.5°	568.2	542.0	475.6	400.4	326.0	268.3	229.5	205.7	189.9	182.8	182.0
125°	537.3	515.1	457.4	389.3	323.6	270.6	233.4	208.1	192.3	184.4	183.6
127.5°	507.2	485.9	436.0	375.9	317.3	268.3	232.6	208.1	192.3	183.6	182.8
130°	474.8	455.8	410.7	359.3	307.0	262.7	229.5	204.9	189.1	180.4	179.6
132.5°	441.6	425.7	386.2	341.1	294.4	254.0	222.4	199.4	183.6	175.7	174.9
135°	409.1	394.9	360.8	320.5	280.9	243.7	214.4	192.3	176.5	169.3	169.3
137.5°	378.2	364.8	334.7	300.7	265.1	231.9	204.9	183.6	170.1	163.0	161.4
140°	346.6	335.5	309.4	279.3	248.5	219.2	194.7	174.9	162.2	155.9	155.1
142.5°	317.3	307.8	285.7	261.1	232.6	207.3	184.4	167.8	155.9	149.6	148.8
145°	289.6	280.9	261.9	239.8	216.8	194.7	174.1	159.1	148.8	144.0	143.2
147.5°	261.9	256.4	240.6	222.4	201.0	181.2	164.6	151.9	142.4	138.5	137.7
150°	239.0	231.9	220.0	203.4	186.7	170.1	155.9	144.8	137.7	133.7	133.7
152.5°	216.0	212.1	200.2	187.5	173.3	159.8	147.2	138.5	132.9	129.8	129.8
155°	198.6	193.1	182.8	172.5	160.6	149.6	140.9	133.7	129.0	126.6	125.8
157.5°	180.4	177.3	169.3	159.8	151.1	142.4	135.3	129.8	125.8	124.2	123.4
160°	165.4	163.0	156.7	149.6	142.4	136.1	130.6	126.6	123.4	121.9	121.9
162.5°	152.7	151.1	145.6	140.9	135.3	130.6	126.6	123.4	121.9	121.1	121.1
165°	143.2	141.6	137.7	133.7	130.6	126.6	124.2	121.9	120.3	120.3	120.3
167.5°	135.3	133.7	131.4	129.0	126.6	123.4	121.9	120.3	120.3	119.5	119.5
170°	129.0	128.2	125.8	124.2	122.7	121.1	120.3	119.5	118.7	118.7	118.7
172.5°	124.2	123.4	121.9	121.1	119.5	118.7	118.7	118.7	118.7	118.7	118.7
175°	120.3	119.5	119.5	118.7	117.9	117.9	117.1	117.9	117.9	117.9	117.9
177.5°	117.9	117.9	117.1	117.1	117.1	117.1	117.1	117.9	117.9	118.7	118.7
180°	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9	117.9

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

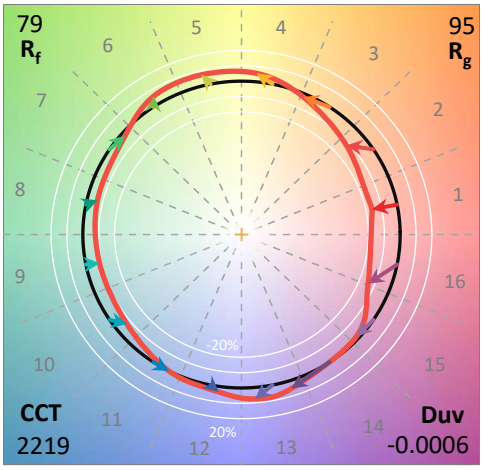
Test Information

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

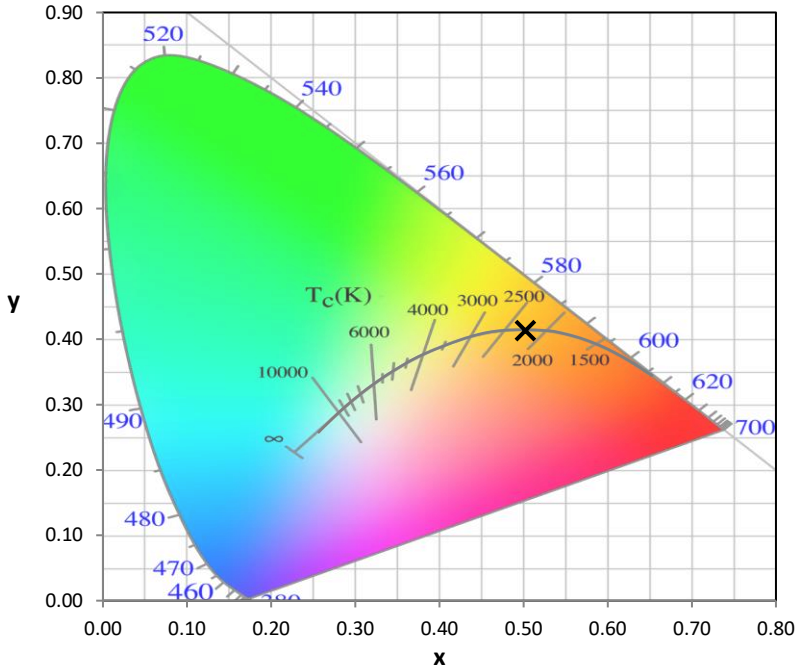
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

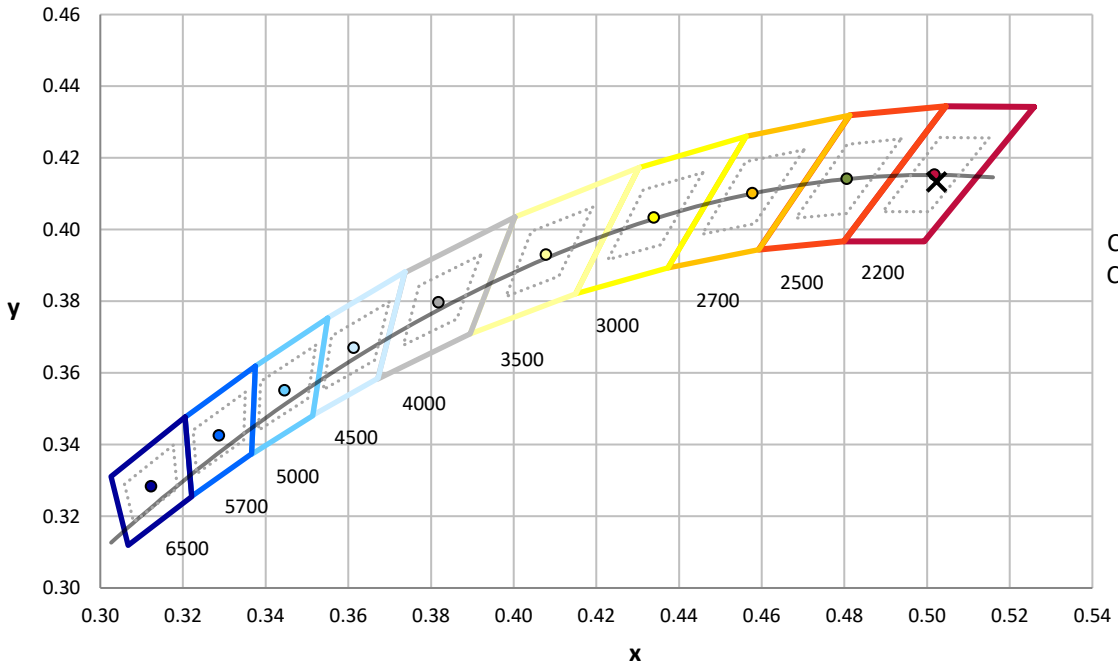
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

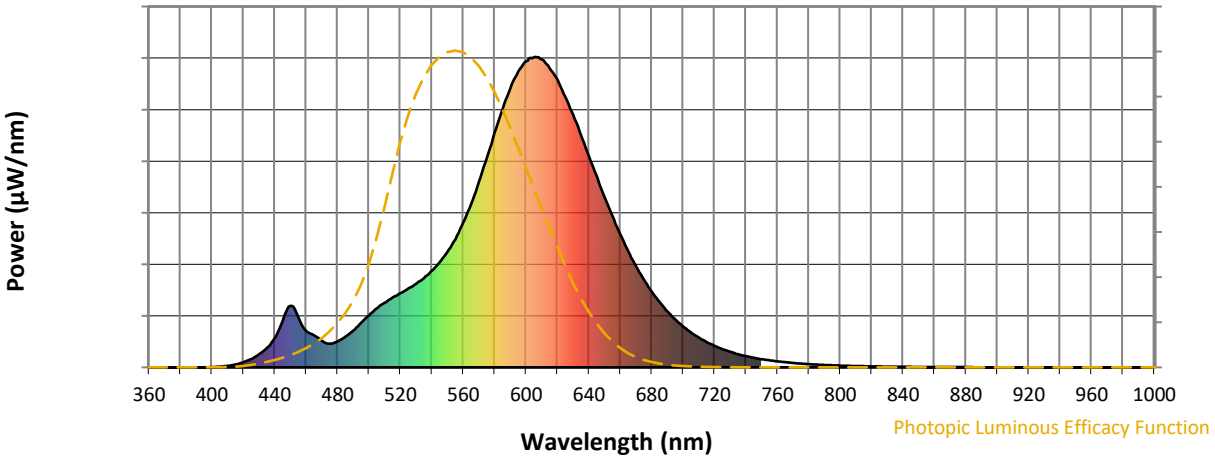


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

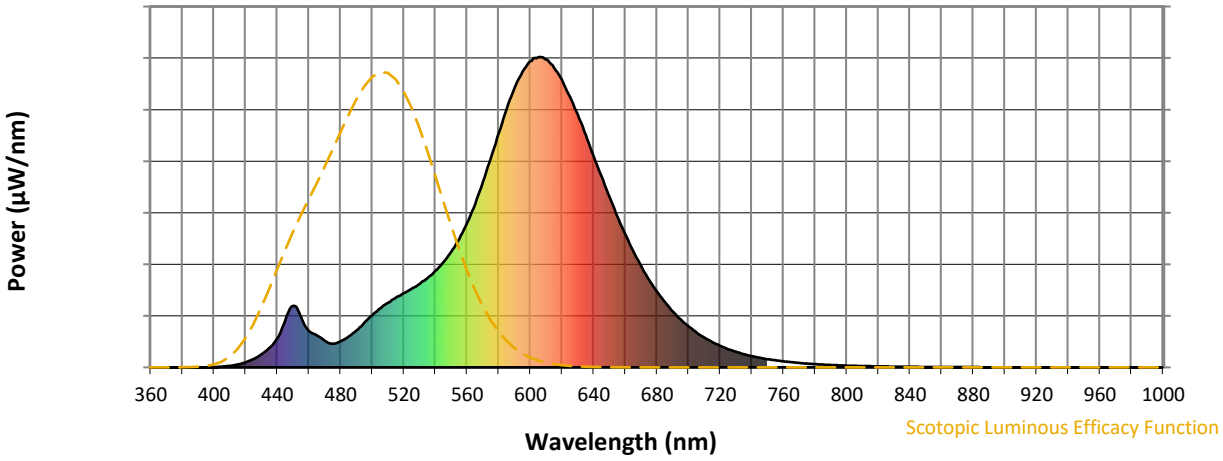


Photopic Lumens: NR

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

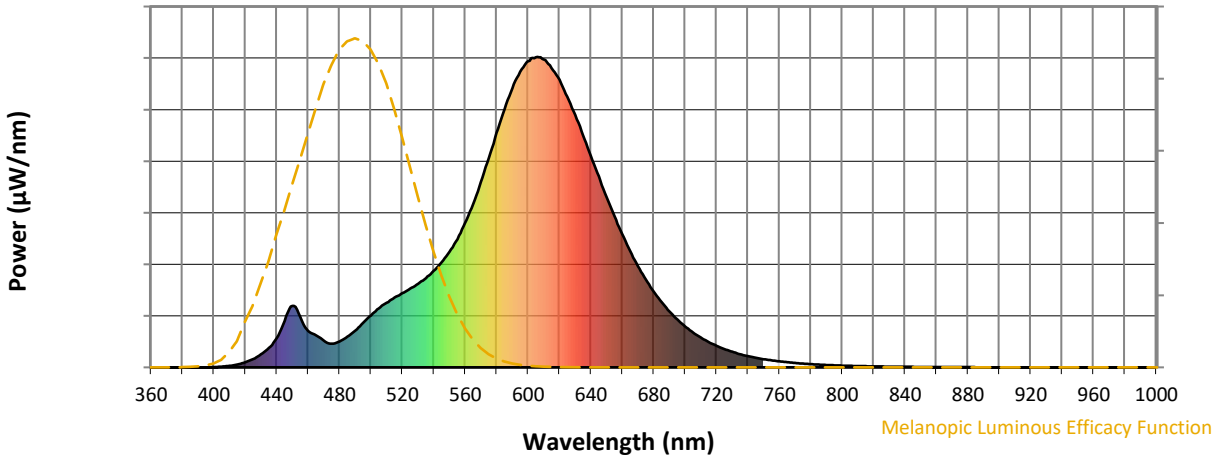


Scotopic Lumens: NR **S/P: 0.94**

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			

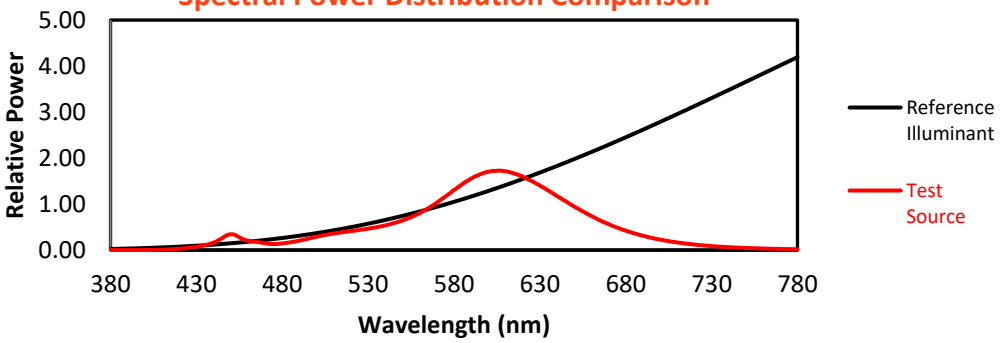
REPORT NUMBER: SP1-2501-332-2

TM-30-18

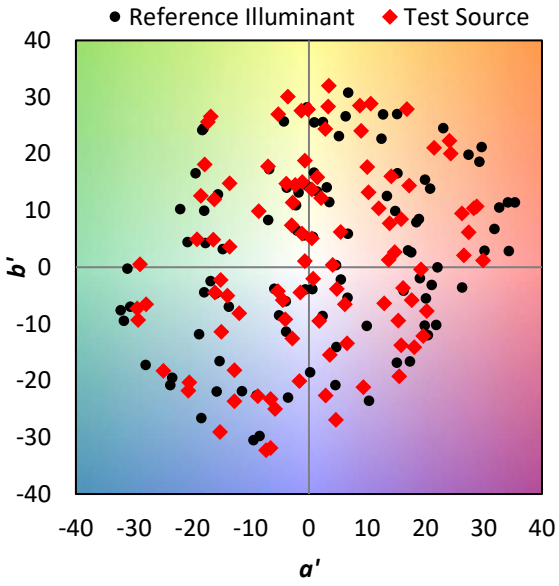
Summary

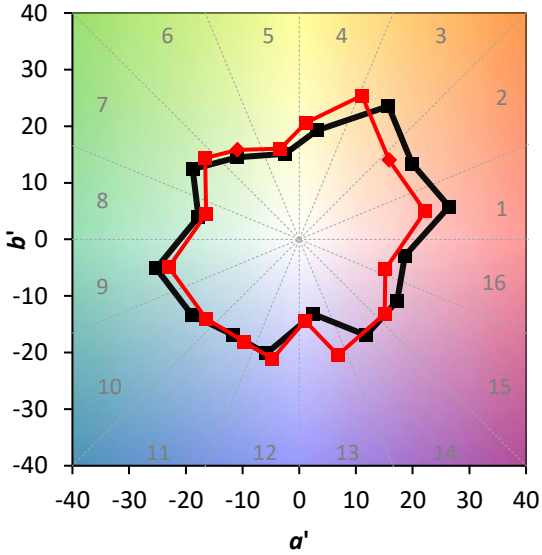
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

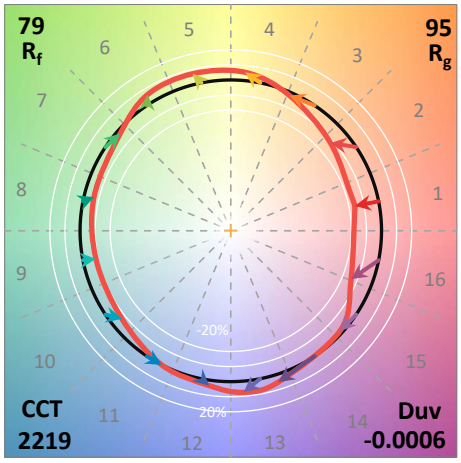
Spectral Power Distribution Comparison

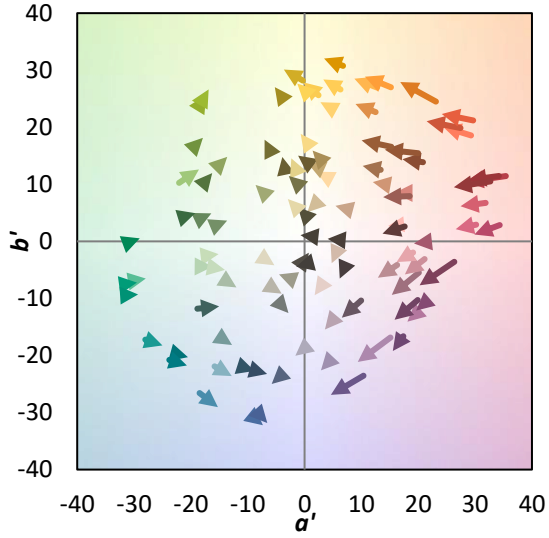


Color Vector Graphics







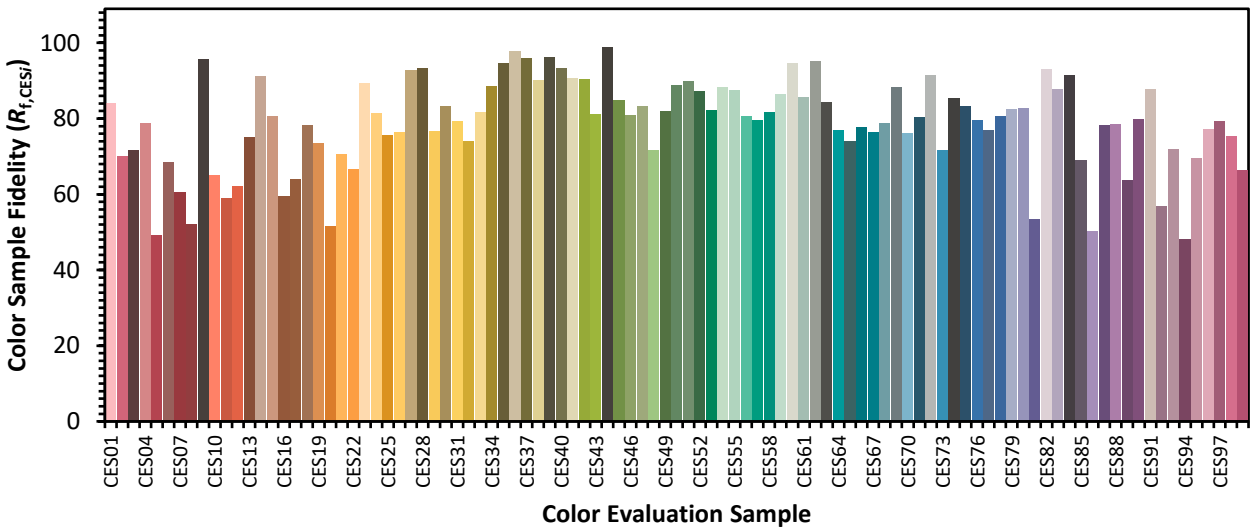


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

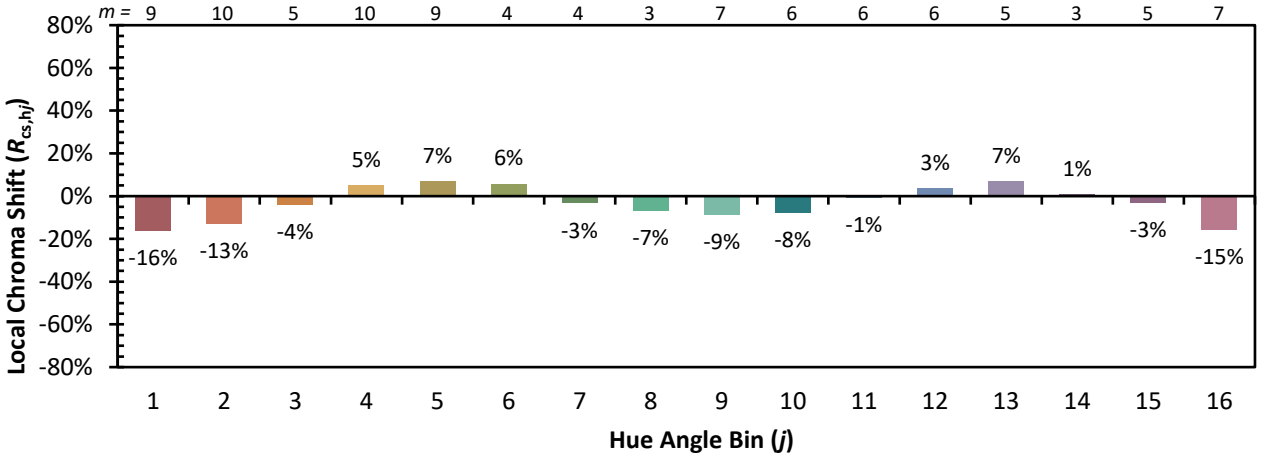
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 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	

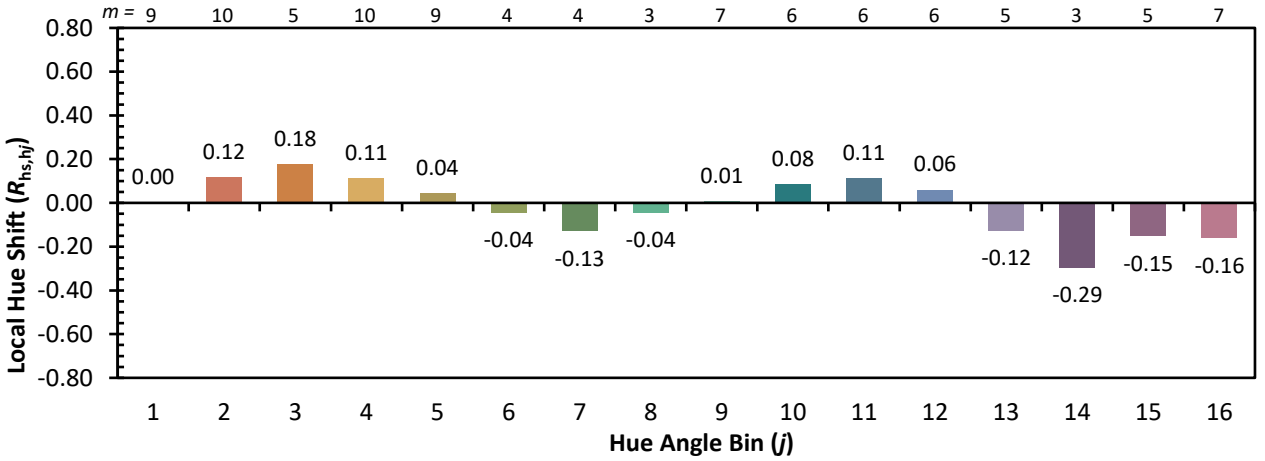


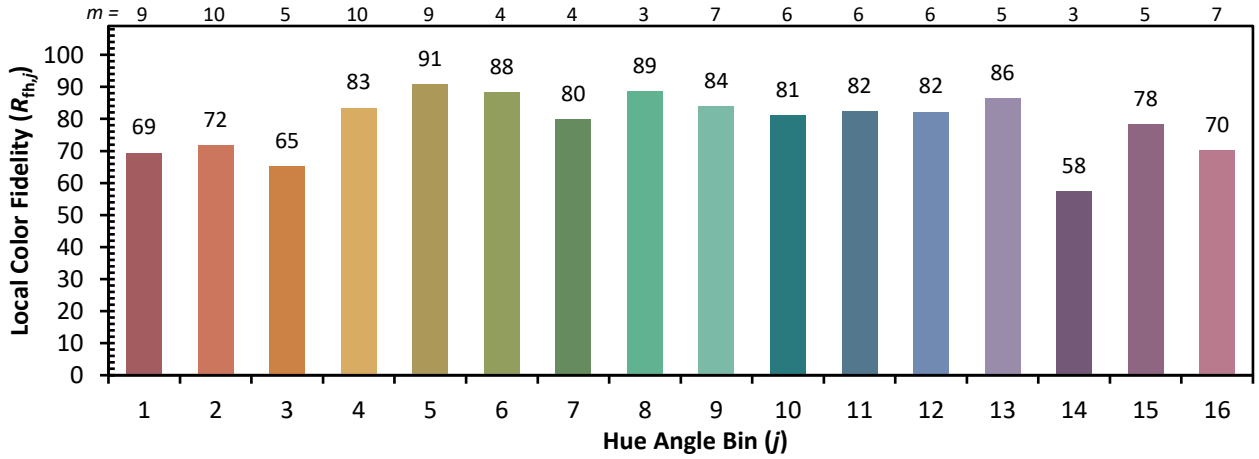
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Color Rendition by Hue-Angle Bin



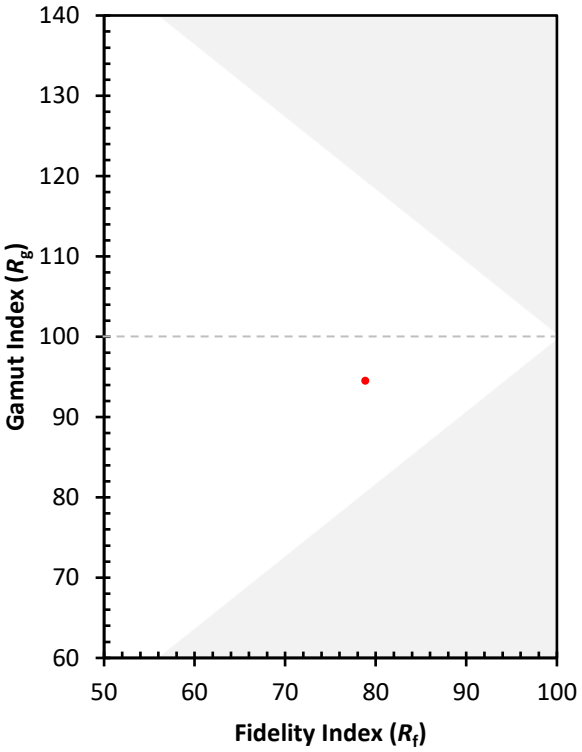


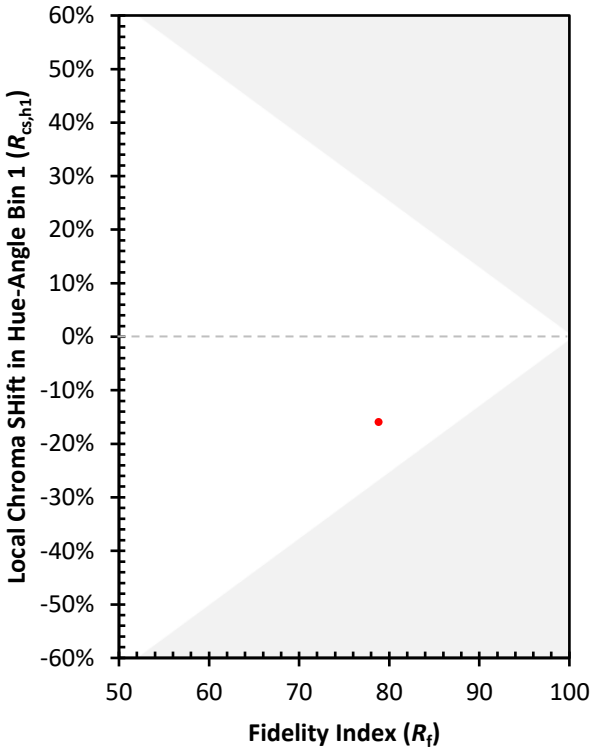


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Measure Comparisons





(END OF REPORT)