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: P1045989

Luminaire Tested: **FFX-CLB-50-740-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:	P1045989
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-740-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5774.6 lumens
Efficiency:	N/A
Efficacy:	114.1 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):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

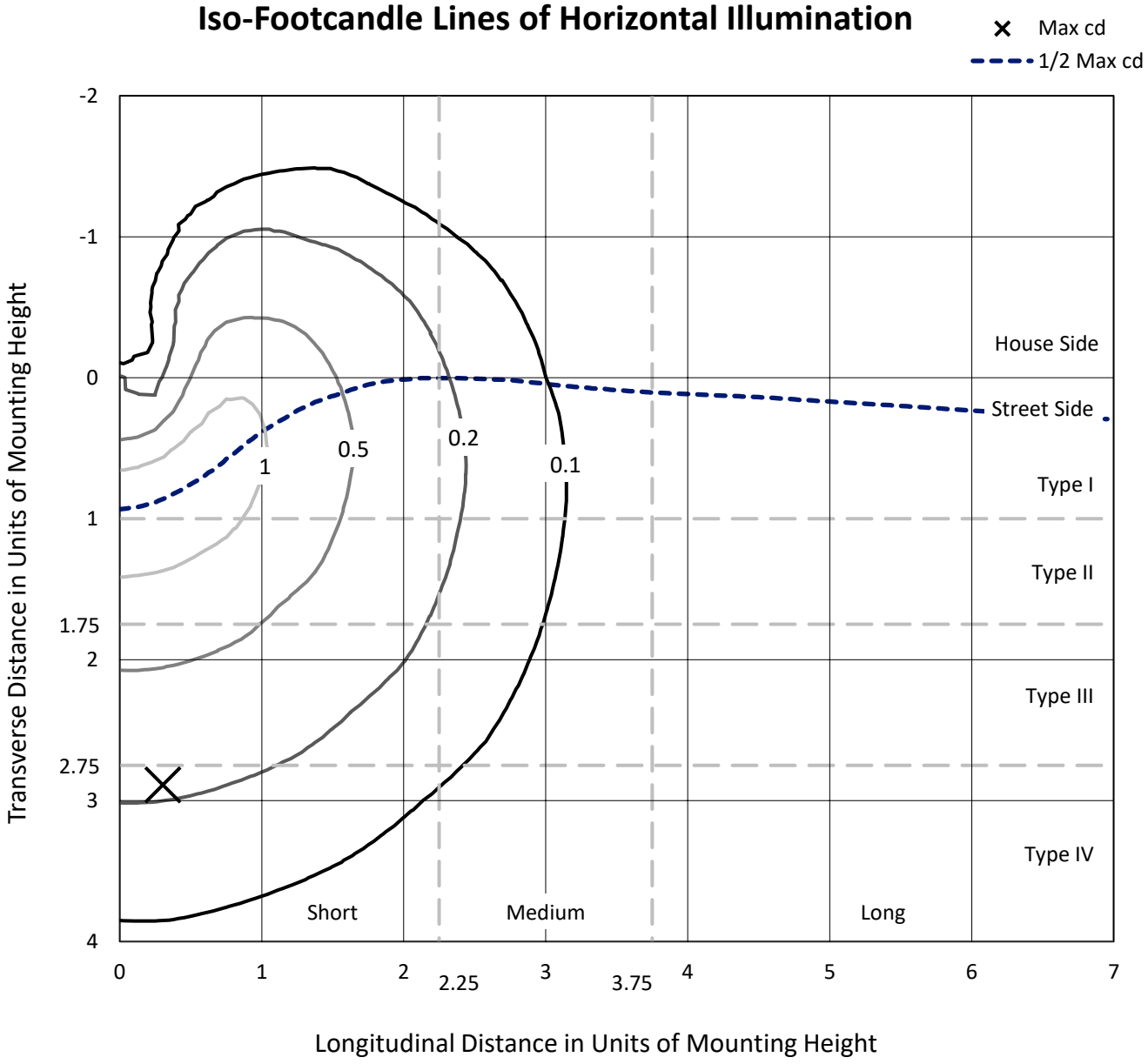


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Iso-Footcandle Lines of Horizontal Illumination



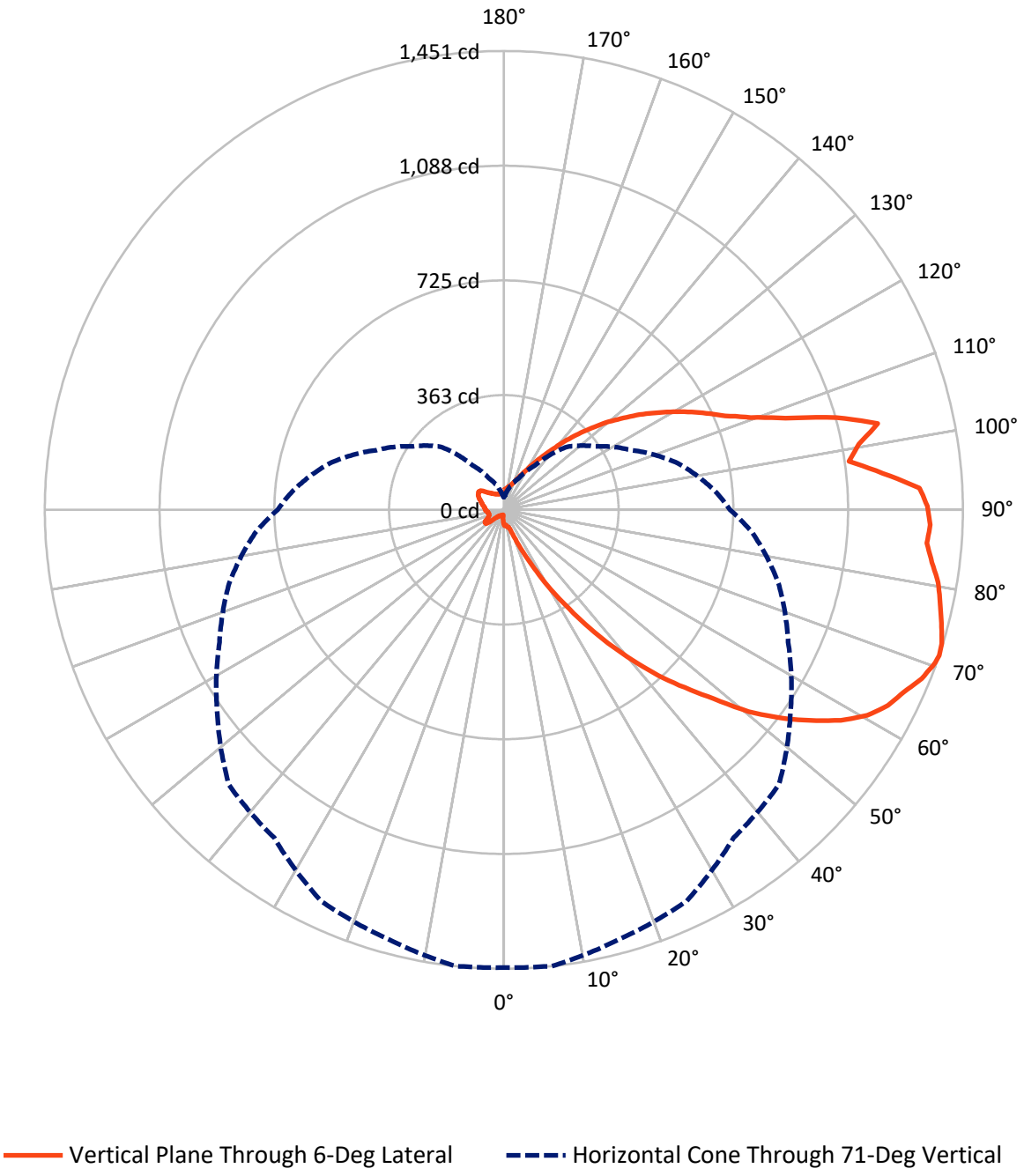
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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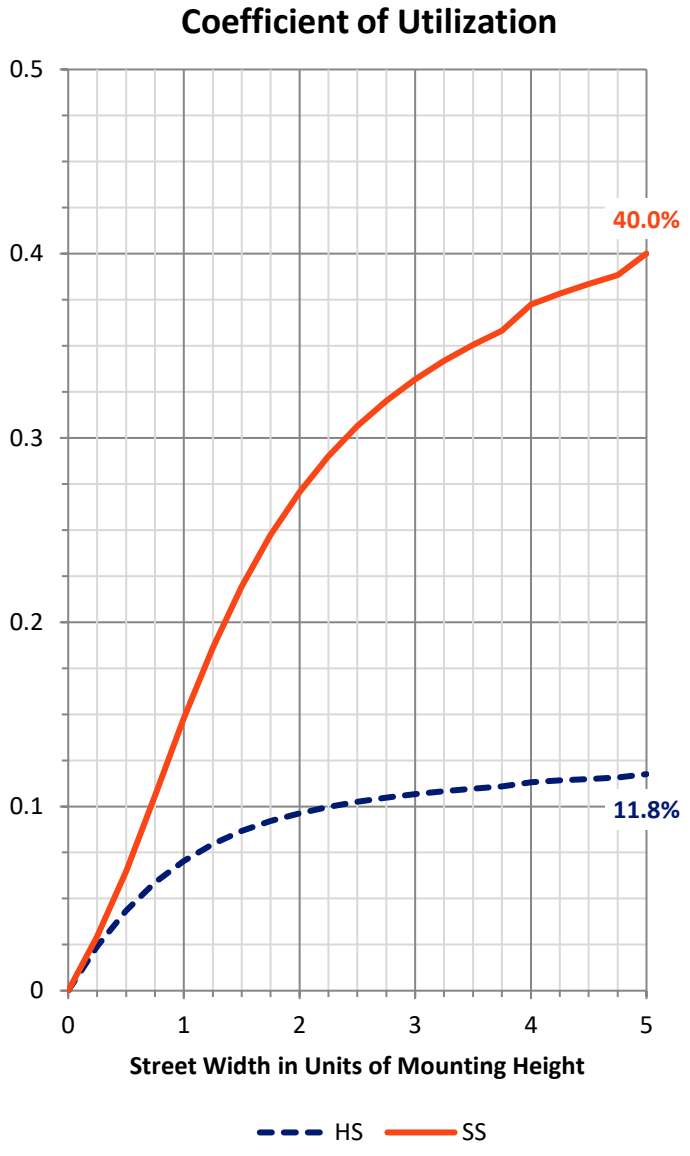
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	741.5	588.0	1329.5
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	2705.0	1740.1	4445.0
	% Fixture	46.8	30.1	77.0
Total	Lumens	3446.5	2328.1	5774.6
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	12.1	0.2
20°-30°	54.8	0.9
30°-40°	183.4	3.2
40°-50°	373.6	6.5
50°-60°	574.8	10.0
60°-70°	715.3	12.4
70°-80°	765.0	13.2
80°-90°	763.7	13.2
90°-100°	690.1	12.0
100°-110°	603.7	10.5
110°-120°	411.5	7.1
120°-130°	290.7	5.0
130°-140°	176.2	3.1
140°-150°	89.3	1.5
150°-160°	41.7	0.7
160°-170°	19.1	0.3
170°-180°	5.9	0.1
0°-90°	3446.5	59.7
0°-180°	5774.6	100.0



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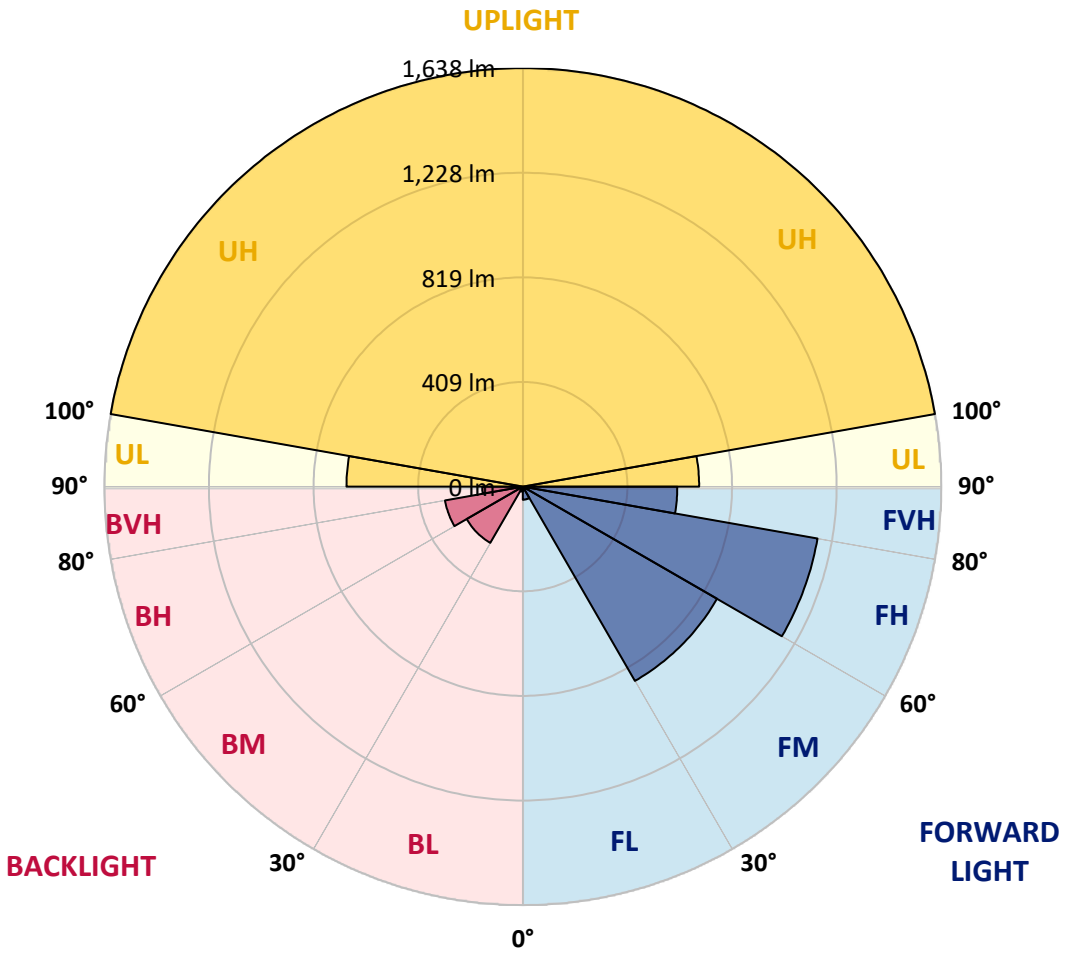
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	51.1	0.9			
FM	(30°-60°)	877.9	15.2			
FH	(60°-80°)	1171.2	20.3			G1/1800
FVH	(80°-90°)	604.8	10.5			G4/750
BL	(0°-30°)	19.6	0.3	B0/110		
BM	(30°-60°)	253.9	4.4	B1/1000		
BH	(60°-80°)	309.1	5.4	B1/500		G1/500
BVH	(80°-90°)	158.9	2.8			G2/225
UL	(90°-100°)	690.1	12.0		U4/1000	
UH	(100°-180°)	1638.0	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°	47.0	47.0	*47.0*	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	50.8	50.8	*50.8*	50.8	50.8	50.8	50.2	48.9	48.3	47.7	47.0
5°	48.3	48.3	*48.3*	48.3	48.3	48.3	48.3	47.7	47.0	45.8	44.5
7.5°	48.3	48.3	*48.3*	48.3	47.7	47.0	46.4	45.8	45.2	42.6	40.1
10°	52.7	53.3	*52.7*	52.7	50.8	48.9	47.7	45.8	44.5	43.3	40.1
12.5°	55.8	55.8	*55.8*	55.2	53.9	52.7	50.2	47.0	44.5	42.0	39.5
15°	57.7	57.7	*57.7*	57.7	56.4	54.6	52.7	50.2	47.7	44.5	41.4
17.5°	65.2	65.2	*65.2*	64.6	63.3	62.1	60.8	59.6	57.7	54.6	51.4
20°	85.9	87.8	*87.2*	85.3	84.0	82.8	83.4	82.1	80.9	76.5	71.5
22.5°	119.1	121.7	*121.0*	121.7	119.8	118.5	117.9	119.1	116.6	110.4	101.0
25°	167.4	167.4	*165.6*	170.6	171.2	164.9	166.2	165.6	163.7	152.4	137.3
27.5°	221.4	220.1	*219.5*	227.6	228.9	226.4	228.9	224.5	218.2	205.7	186.9
30°	284.1	289.1	*291.6*	292.9	296.6	299.1	302.3	298.5	281.6	266.5	240.2
32.5°	363.7	360.6	*360.0*	373.1	380.0	380.6	388.2	377.5	358.7	330.5	296.0
35°	451.5	444.0	*445.2*	453.4	464.7	472.8	478.5	457.8	438.3	401.3	356.2
37.5°	534.3	534.9	*534.3*	537.4	558.7	561.3	562.5	539.3	511.1	472.8	416.4
40°	618.9	620.2	*623.3*	633.4	655.9	651.6	641.5	620.8	584.5	541.2	474.7
42.5°	706.1	714.3	*716.1*	721.2	736.8	735.6	718.7	695.4	653.4	599.5	524.9
45°	799.5	798.3	*801.4*	808.3	820.9	820.9	790.8	756.9	711.1	650.3	570.0
47.5°	888.0	897.4	*891.7*	908.7	902.4	906.8	855.4	814.0	763.8	691.7	607.7
50°	999.6	1004.6	*1002.7*	1000.8	982.0	982.0	929.4	873.5	817.1	731.8	645.3
52.5°	1094.3	1096.2	*1093.0*	1085.5	1059.2	1050.4	988.3	923.7	864.1	778.9	681.7
55°	1182.1	1169.5	*1175.2*	1163.3	1121.9	1112.5	1053.5	962.0	905.5	812.7	713.0
57.5°	1246.7	1253.6	*1255.4*	1229.7	1188.3	1150.1	1110.6	1007.7	936.9	844.7	733.7
60°	1301.9	1320.7	*1319.4*	1280.5	1244.2	1175.8	1153.9	1047.9	957.6	872.9	756.3
62.5°	1343.2	1363.3	*1362.1*	1330.7	1298.1	1202.1	1177.7	1071.7	970.1	887.3	773.2
65°	1384.0	1393.4	*1389.0*	1376.5	1337.6	1226.6	1200.3	1082.4	980.8	893.6	779.5
67.5°	1425.4	1424.8	*1424.1*	1406.6	1364.6	1249.2	1218.4	1098.0	991.4	900.5	783.9
70°	1446.1	1447.3	*1446.7*	1409.7	1370.8	1264.2	1228.5	1106.2	993.9	900.5	787.6
71°	*1447.3*	*1449.2*	*1450.5*	*1405.9*	*1365.2*	*1265.5*	*1229.1*	*1106.2*	*991.4*	*898.6*	*785.8*
72.5°	1438.6	1448.0	*1446.7*	1396.5	1357.0	1263.6	1224.7	1101.2	987.7	891.1	780.1
75°	1419.1	1436.0	*1428.5*	1377.7	1336.3	1251.1	1212.8	1096.2	978.3	881.1	775.1
77.5°	1402.2	1421.6	*1409.1*	1362.1	1325.1	1242.3	1206.5	1097.4	971.4	874.8	773.2
80°	1390.9	1401.6	*1391.5*	1352.6	1315.6	1232.2	1202.1	1098.0	969.5	871.7	767.6
82.5°	1374.0	1369.6	*1362.7*	1332.0	1294.3	1214.1	1184.6	1088.0	965.1	865.4	761.3
85°	1358.9	1340.7	*1340.7*	1313.1	1274.9	1199.6	1163.9	1076.1	957.6	859.1	753.8
87.5°	1367.7	1343.2	*1348.3*	1321.9	1279.9	1201.5	1160.1	1074.8	960.7	860.4	749.4
90°	1358.9	1335.7	*1338.2*	1310.6	1261.7	1182.1	1131.9	1049.8	940.6	842.8	733.7
92.5°	1343.9	1319.4	*1315.6*	1287.4	1237.9	1162.6	1110.0	1033.5	925.0	829.0	728.1
95°	1227.9	1210.3	*1202.8*	1182.7	1144.5	1078.6	1037.2	963.8	856.0	768.2	681.0
97.5°	1108.7	1111.8	*1101.2*	1077.4	1035.3	983.9	938.1	867.9	777.0	701.1	616.4
100°	1155.7	1151.3	*1140.7*	1108.7	1064.8	1007.1	953.2	885.5	797.0	728.7	635.2
102.5°	1207.2	1217.2	*1212.8*	1172.7	1123.1	1076.7	1036.0	968.2	871.0	798.9	699.2
105°	1066.7	1086.8	*1091.1*	1059.8	1023.4	984.5	948.8	901.1	817.1	743.1	664.7
107.5°	930.0	933.1	*936.3*	912.4	894.2	859.7	824.0	780.7	716.8	660.3	583.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	835.3	838.4	*833.4*	823.4	804.6	778.2	738.7	708.6	652.8	605.1	535.5
112.5°	760.0	763.2	*759.4*	746.9	729.9	709.2	667.9	642.8	595.1	550.6	487.9
115°	711.8	715.5	*709.2*	696.1	681.7	670.4	634.6	597.6	554.4	514.8	460.9
117.5°	666.0	673.5	*659.1*	655.3	644.7	633.4	592.6	560.0	522.4	486.6	443.4
120°	615.8	622.1	*610.2*	605.8	599.5	588.2	550.0	520.5	490.4	458.4	417.0
122.5°	575.7	566.9	*561.3*	561.3	553.7	546.2	506.7	482.2	458.4	431.4	388.8
125°	529.9	518.0	*515.5*	519.9	510.5	500.4	469.1	447.1	428.9	402.0	360.0
127.5°	478.5	467.2	*467.2*	469.1	463.4	453.4	432.7	414.5	403.2	374.4	332.4
130°	430.2	423.9	*425.2*	420.8	415.1	407.0	391.9	378.8	369.4	340.5	310.4
132.5°	372.5	379.4	*379.4*	371.9	370.6	364.3	352.4	346.2	331.7	307.9	282.8
135°	331.7	337.4	*336.8*	329.9	329.2	325.5	316.7	311.0	297.2	277.2	256.5
137.5°	297.2	297.2	*296.0*	291.6	289.1	288.5	280.3	274.7	261.5	247.7	230.8
140°	263.4	257.7	*255.9*	256.5	252.7	252.1	245.2	238.3	232.0	218.9	205.1
142.5°	228.3	224.5	*222.6*	220.1	218.9	217.0	212.6	206.9	200.7	191.9	179.3
145°	195.0	195.0	*193.8*	191.3	191.3	188.8	184.4	181.2	175.6	166.2	156.1
147.5°	169.3	167.4	*167.4*	166.8	164.9	163.7	159.9	155.5	151.8	144.2	134.8
150°	145.5	145.5	*144.2*	145.5	144.2	142.4	139.8	136.1	131.7	126.0	118.5
152.5°	126.7	127.3	*126.0*	127.9	126.7	125.4	122.3	119.8	114.8	109.7	104.7
155°	112.9	113.5	*112.9*	112.3	112.3	110.4	109.1	105.4	102.2	97.8	93.4
157.5°	100.3	101.0	*101.0*	101.0	101.0	99.1	96.6	94.1	91.6	87.8	84.0
160°	92.2	91.6	*91.6*	90.9	90.3	89.7	87.8	85.3	83.4	80.3	77.1
162.5°	84.0	84.0	*84.0*	83.4	82.8	82.1	80.9	78.4	76.5	74.0	71.5
165°	78.4	78.4	*78.4*	78.4	77.1	76.5	75.3	73.4	72.1	69.6	67.1
167.5°	74.6	74.6	*74.6*	74.0	73.4	72.7	72.1	70.2	69.0	67.1	65.2
170°	71.5	71.5	*71.5*	71.5	70.9	69.6	69.0	67.7	66.5	65.2	63.3
172.5°	68.4	68.4	*68.4*	68.4	67.7	67.7	67.1	65.8	65.2	63.3	62.7
175°	65.8	65.8	*65.8*	65.8	65.2	65.2	64.6	64.0	63.3	62.7	61.5
177.5°	64.0	64.0	*64.0*	64.0	63.3	63.3	63.3	62.7	62.1	61.5	61.5
180°	61.5	61.5	*61.5*	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	47.0	47.0	45.8	45.2	44.5	43.3	42.0	40.1	40.1	40.1	39.5
5°	43.9	43.3	42.0	40.1	39.5	38.9	37.6	35.1	32.0	29.5	29.5
7.5°	40.8	37.6	34.5	33.2	31.4	28.2	25.1	21.3	16.9	16.3	16.3
10°	38.3	36.4	32.6	29.5	26.3	25.7	23.2	19.4	17.6	15.7	15.7
12.5°	37.6	36.4	32.0	28.2	24.5	22.6	20.7	18.8	16.9	15.7	15.7
15°	39.5	38.3	33.9	29.5	25.1	22.6	20.1	18.2	17.6	16.9	16.9
17.5°	49.5	47.7	41.4	34.5	28.8	25.1	21.9	20.1	19.4	18.8	18.8
20°	67.1	64.0	55.2	45.8	37.0	28.8	24.5	21.3	20.7	20.1	20.1
22.5°	95.3	89.7	74.6	60.2	47.0	36.4	28.2	22.6	20.7	20.1	20.1
25°	129.8	122.3	100.3	79.0	59.6	46.4	34.5	25.7	20.7	19.4	19.4
27.5°	175.6	162.4	132.9	106.0	79.6	58.9	43.3	30.7	22.6	19.4	18.8
30°	223.9	207.6	169.9	134.2	101.0	74.0	53.3	37.0	25.7	19.4	18.8
32.5°	276.5	254.6	213.2	168.7	125.4	91.6	65.2	43.3	29.5	20.7	19.4
35°	330.5	306.0	254.6	205.1	150.5	109.1	77.8	50.2	32.0	21.9	20.7
37.5°	385.0	357.4	301.6	237.7	175.0	127.3	90.3	57.7	34.5	23.2	21.9
40°	439.6	406.4	344.9	268.4	198.8	145.5	102.2	64.0	36.4	25.1	24.5
42.5°	482.2	448.4	380.6	294.1	223.9	161.8	114.1	69.0	38.3	28.2	27.0
45°	521.1	485.4	410.7	317.3	243.3	181.2	127.9	77.1	42.0	32.0	30.7
47.5°	560.6	525.5	442.1	339.9	262.1	200.7	144.2	85.9	52.0	41.4	40.8
50°	595.1	556.2	476.0	370.6	286.0	218.9	161.2	96.6	61.5	60.2	60.8
52.5°	628.4	589.5	504.8	393.2	302.3	240.8	177.5	101.0	69.6	70.9	72.1
55°	665.3	620.2	528.0	410.7	311.7	255.2	186.9	104.7	77.1	72.1	70.9
57.5°	690.4	638.4	546.8	430.2	321.7	264.0	187.5	109.1	83.4	69.6	67.7
60°	707.4	648.4	556.9	440.8	335.5	272.2	185.6	109.7	87.2	64.0	58.3
62.5°	718.7	661.6	565.6	443.4	346.2	278.4	185.0	107.2	85.9	57.1	52.7
65°	723.7	672.9	573.8	444.6	348.0	282.8	185.0	106.0	84.0	50.2	45.2
67.5°	723.7	676.6	576.9	447.1	346.8	284.1	179.3	109.7	81.5	47.7	41.4
70°	719.9	674.8	572.5	446.5	349.3	282.8	173.1	109.7	77.8	47.7	39.5
71°	*714.9*	*671.0*	*569.4*	*445.9*	*349.9*	*281.6*	*170.6*	*109.1*	*75.9*	*46.4*	*40.1*
72.5°	708.0	665.3	563.8	444.6	348.0	277.8	165.6	109.7	74.0	45.8	40.8
75°	700.5	661.0	559.4	439.6	347.4	272.2	156.8	107.9	73.4	46.4	42.0
77.5°	698.0	661.6	556.9	438.3	347.4	269.0	150.5	106.6	72.1	47.0	44.5
80°	692.3	660.3	551.8	435.2	346.2	263.4	148.6	106.6	70.9	47.7	45.8
82.5°	686.7	657.2	547.5	432.1	344.3	255.9	146.7	106.0	69.6	49.5	48.3
85°	681.7	656.6	547.5	430.2	343.6	251.5	146.1	105.4	69.0	51.4	50.2
87.5°	681.7	659.7	553.1	435.2	349.3	251.5	148.6	106.6	69.6	53.9	53.3
90°	669.1	645.9	544.3	432.1	351.2	252.1	151.1	109.7	72.1	56.4	55.2
92.5°	665.3	639.6	541.8	435.2	353.7	252.1	154.3	112.9	74.0	57.7	56.4
95°	624.0	595.1	509.8	413.3	338.0	245.2	155.5	112.3	75.3	58.3	57.7
97.5°	566.3	534.9	454.6	367.5	299.1	220.1	141.7	105.4	74.6	60.2	58.9
100°	585.7	548.7	464.7	373.7	294.1	215.7	139.2	102.2	76.5	62.7	61.5
102.5°	639.6	599.5	511.1	413.9	320.4	238.3	155.5	108.5	80.3	65.8	64.0
105°	607.7	563.1	493.5	400.7	312.3	238.3	156.1	110.4	84.0	68.4	67.1
107.5°	536.8	495.4	434.6	356.8	286.0	220.1	148.0	107.2	87.2	71.5	69.6

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

Scaled Data Report

REPORT NUMBER: P1045989
CATALOG NUMBER: FFX-CLB-50-740-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	496.0	451.5	395.7	325.5	265.9	204.4	142.4	105.4	89.0	75.3	72.7
112.5°	452.8	414.5	360.6	299.1	247.7	188.8	138.6	104.7	90.3	79.0	76.5
115°	428.3	388.8	342.4	282.8	235.8	183.7	137.3	107.9	94.7	84.0	81.5
117.5°	407.0	374.4	333.0	270.3	227.6	181.9	139.8	111.6	97.8	88.4	85.3
120°	385.0	354.9	317.3	260.2	220.7	175.6	140.5	113.5	100.3	92.2	90.3
122.5°	371.9	338.0	301.0	251.5	212.6	171.2	139.8	116.0	101.0	94.1	94.1
125°	347.4	320.4	283.4	240.2	200.7	168.7	139.8	114.8	102.8	96.6	95.3
127.5°	320.4	302.9	265.9	227.6	192.5	162.4	136.1	114.8	102.2	96.6	96.6
130°	295.4	279.7	249.6	210.7	185.0	153.6	130.4	109.1	98.5	94.7	94.7
132.5°	267.1	257.1	228.9	194.4	169.9	143.0	122.9	101.0	92.2	89.0	89.0
135°	241.4	232.0	205.7	176.8	154.9	132.9	114.1	95.3	84.7	80.9	80.9
137.5°	217.6	208.8	185.6	161.2	141.1	122.9	105.4	89.7	79.0	74.6	75.3
140°	193.1	182.5	166.8	146.1	127.9	113.5	96.6	84.0	74.0	70.2	69.6
142.5°	171.2	163.0	148.6	131.1	115.4	104.1	89.0	78.4	70.2	66.5	65.8
145°	151.1	144.2	131.7	117.3	104.7	94.1	82.1	73.4	66.5	63.3	62.7
147.5°	129.8	125.4	116.0	104.7	94.1	84.7	76.5	68.4	64.0	60.2	59.6
150°	114.1	111.0	103.5	94.1	85.9	78.4	72.1	64.6	60.8	58.3	57.7
152.5°	101.6	98.5	92.2	85.3	78.4	72.7	67.1	62.1	58.3	56.4	55.8
155°	90.9	88.4	83.4	77.8	72.1	67.1	62.7	58.9	56.4	54.6	54.6
157.5°	82.8	80.3	76.5	71.5	67.1	62.7	59.6	56.4	55.2	53.3	53.3
160°	75.9	74.0	70.9	66.5	62.7	59.6	57.1	54.6	53.9	52.7	52.7
162.5°	70.2	69.0	65.8	62.7	60.2	57.7	55.8	53.9	52.7	52.0	52.0
165°	66.5	65.2	63.3	60.8	58.3	56.4	55.2	53.3	52.7	52.7	52.0
167.5°	64.6	63.3	61.5	58.9	57.1	56.4	55.2	53.9	53.3	53.3	52.7
170°	62.7	62.1	60.8	58.9	57.1	56.4	55.8	54.6	54.6	53.9	53.9
172.5°	62.1	61.5	60.2	58.9	57.7	57.1	56.4	55.8	55.8	55.8	55.2
175°	61.5	61.5	60.2	58.9	58.3	58.3	57.7	57.1	57.1	57.1	57.1
177.5°	61.5	60.8	60.8	60.2	59.6	59.6	59.6	58.9	58.9	58.9	58.9
180°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5

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: SP1-2501-332-11

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

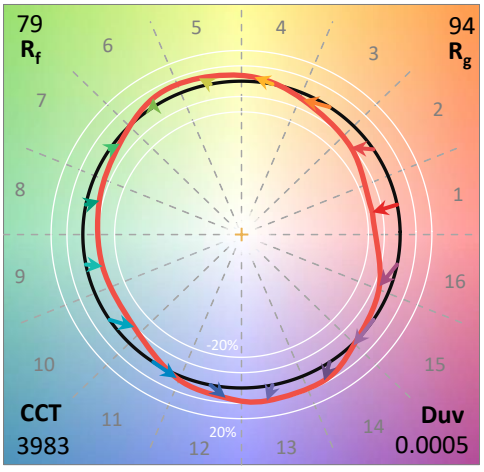
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-11
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-20-740-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	3983	CRI (Ra):	76.2		
CIE u':	0.2252	R1:	72.6	R9:	-26.0
CIE v':	0.5025	R2:	84.0	R10:	63.7
Duv:	0.0005	R3:	93.4	R11:	72.4
CIE x:	0.3815	R4:	74.5	R12:	56.4
CIE y:	0.3785	R5:	73.8	R13:	75.0
CIE z:	0.2400	R6:	78.3	R14:	96.6
Peak Wavelength (nm):	448	R7:	81.1	R15:	64.5
Dominant Wavelength (nm):	578	R8:	52.1		
Purity:	28.07575				

Rf:	79
Rg:	94.1



Test Conditions

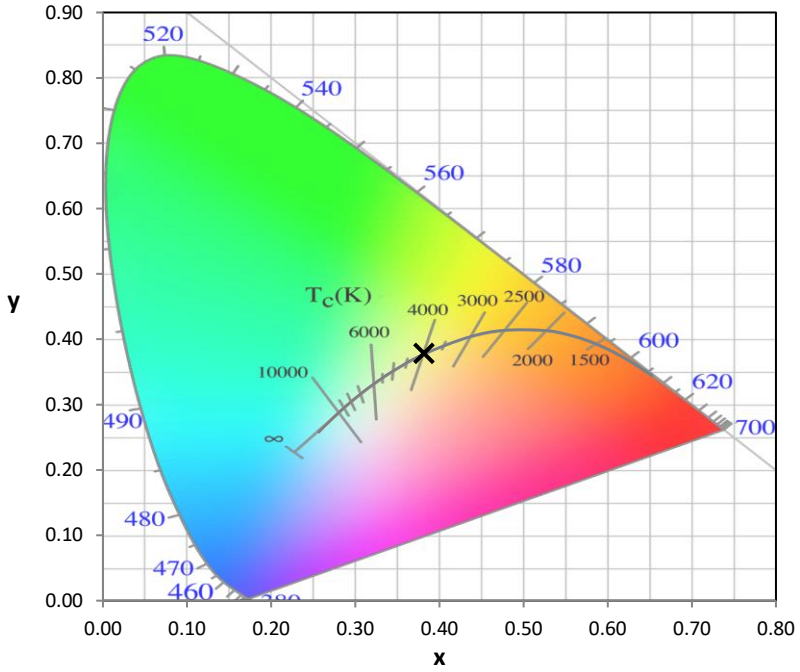
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-11

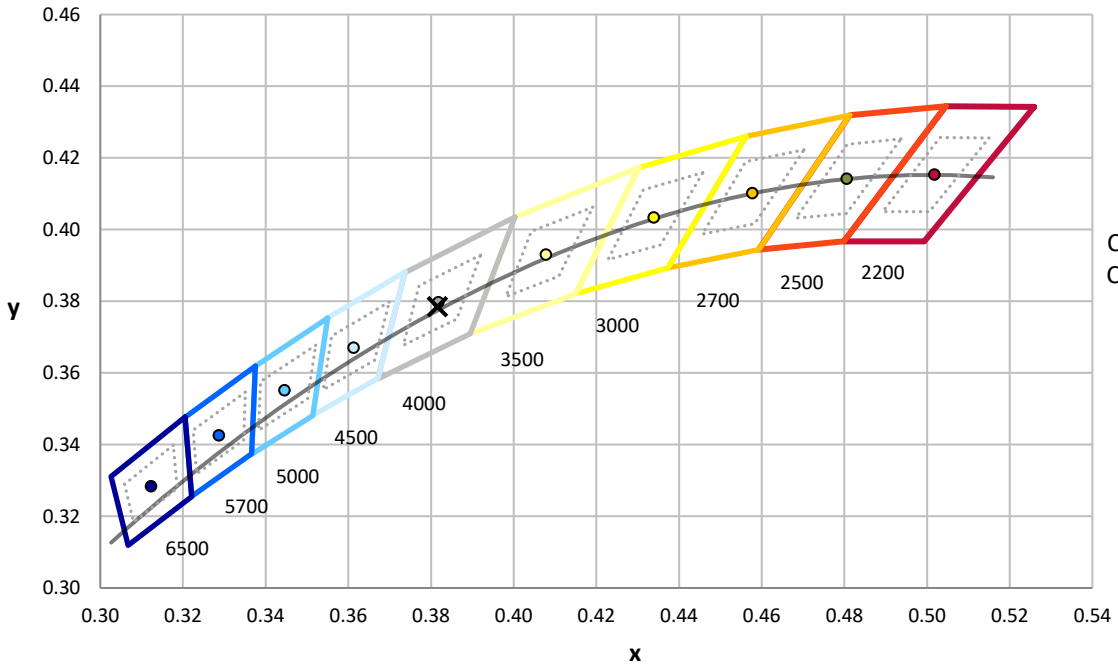
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-11

CIE 1931 Chromaticity Diagram



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

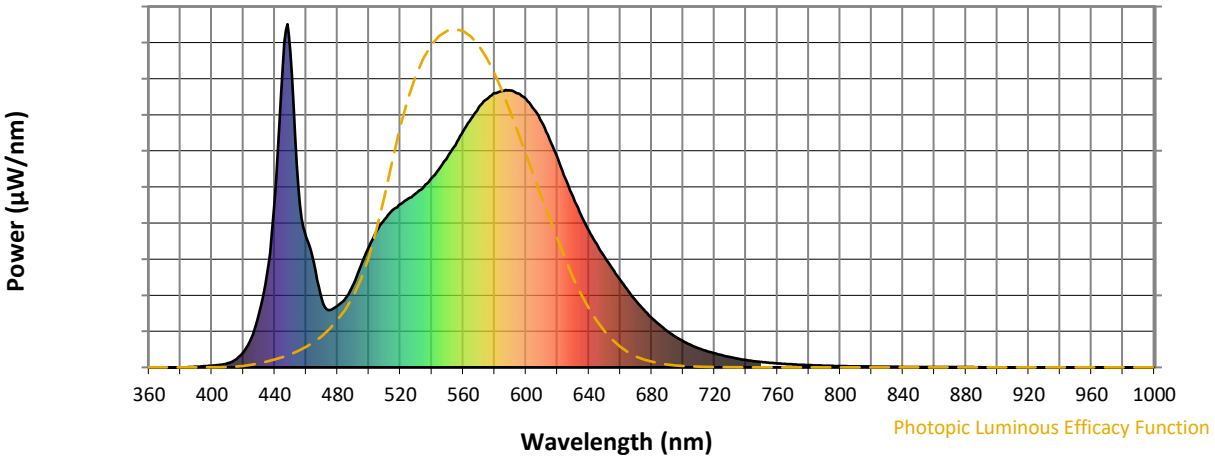


CCT = 3983K
CIE x = 0.3815
CIE y = 0.3785
Duv = 0.0005

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-11

Photopic Flux vs. Wavelength

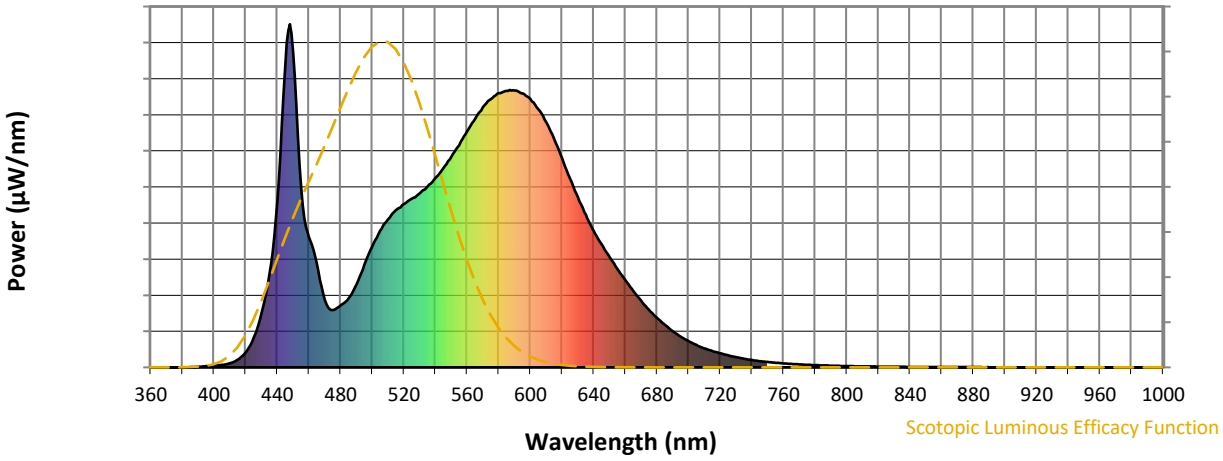


Photopic Lumens: NR

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-11

Scotopic Flux vs. Wavelength

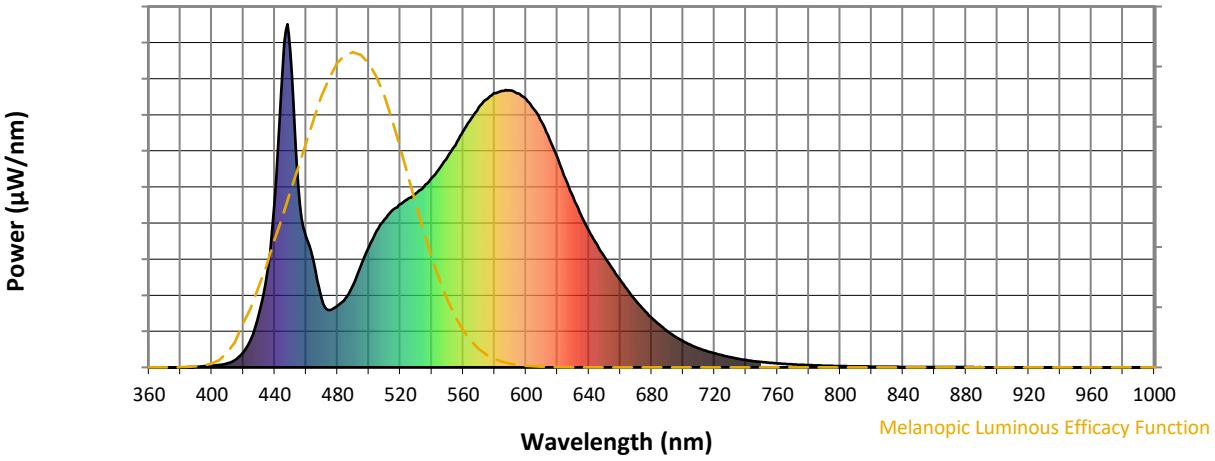


Scotopic Lumens: NR **S/P: 1.61**

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.24**

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

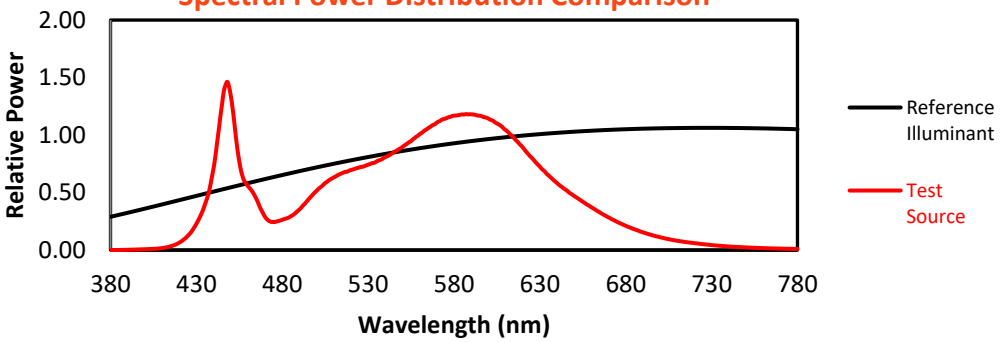
REPORT NUMBER: SP1-2501-332-11

TM-30-18

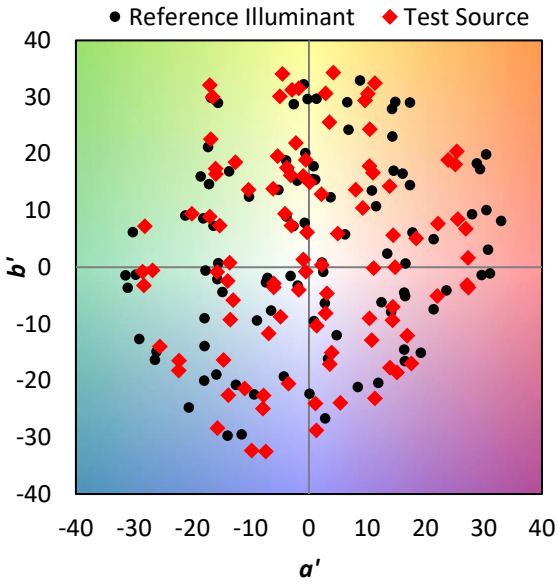
Summary

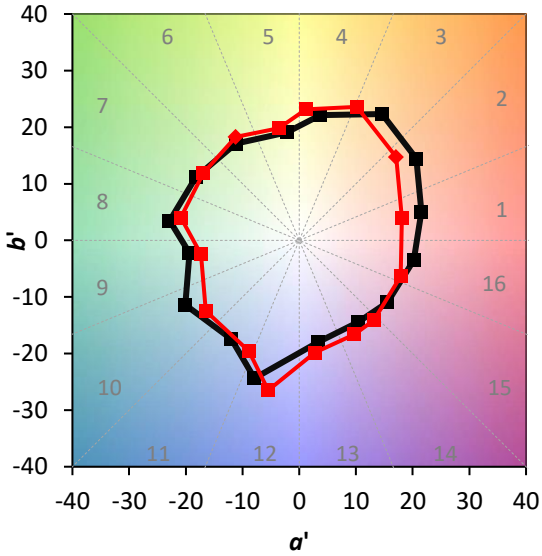
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R_g = 94.1
CIE R_a = 76.2
R_9 = -26.0

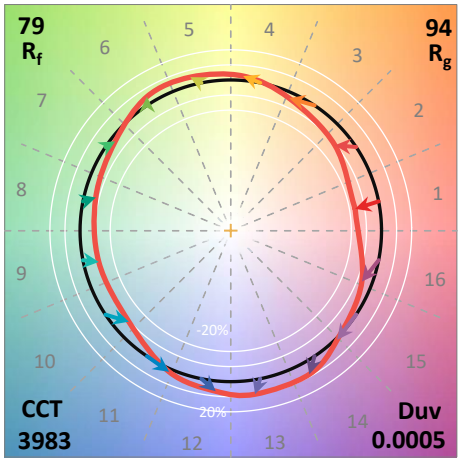
Spectral Power Distribution Comparison

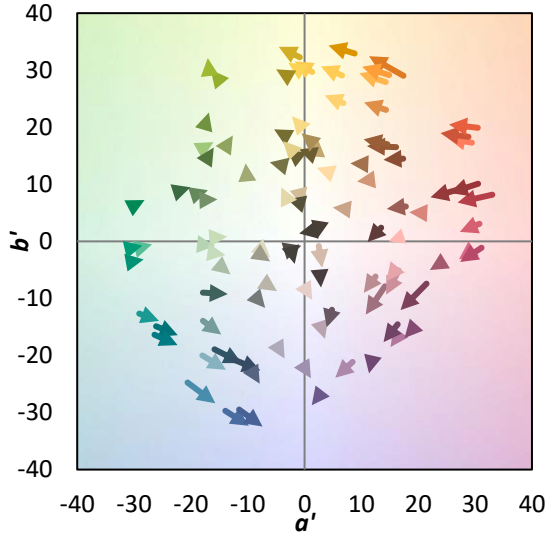


Color Vector Graphics







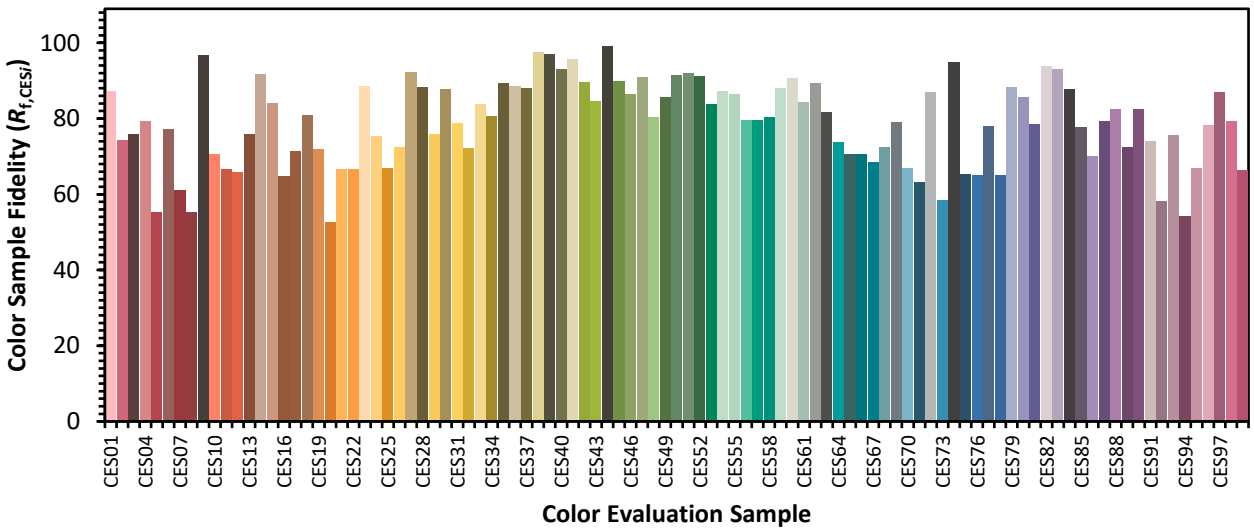


REPORT NUMBER: SP1-2501-332-11

TM-30-18

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

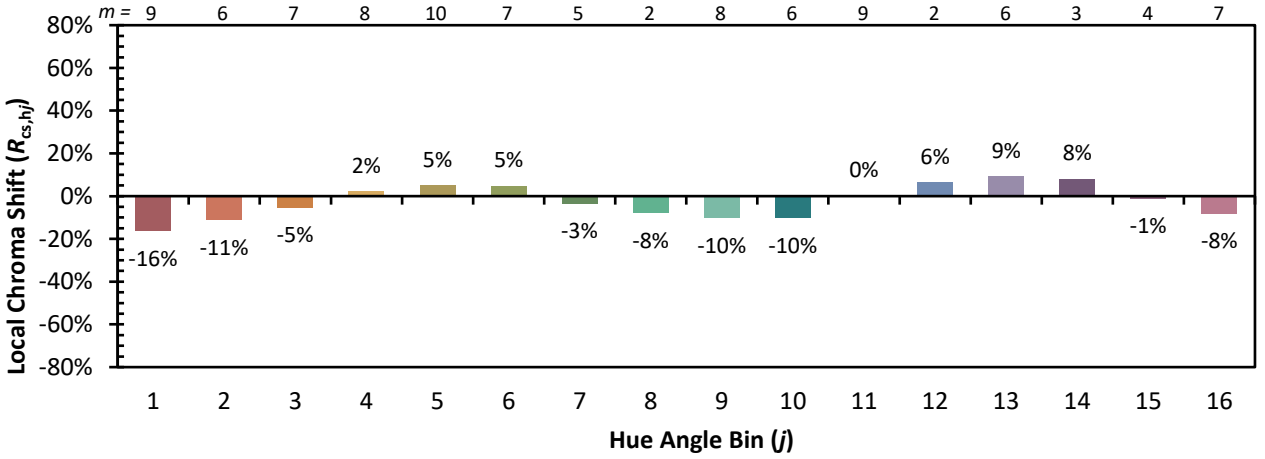
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CES02 = 61	CES27 = 92	CES52 = 91	CES77 = 78
CES03 = 30	CES28 = 88	CES53 = 84	CES78 = 65
CES04 = 70	CES29 = 76	CES54 = 87	CES79 = 88
CES05 = 47	CES30 = 88	CES55 = 86	CES80 = 86
CES06 = 50	CES31 = 79	CES56 = 80	CES81 = 79
CES07 = 40	CES32 = 72	CES57 = 79	CES82 = 94
CES08 = 39	CES33 = 84	CES58 = 80	CES83 = 93
CES09 = 29	CES34 = 81	CES59 = 88	CES84 = 88
CES10 = 74	CES35 = 89	CES60 = 91	CES85 = 78
CES11 = 57	CES36 = 88	CES61 = 84	CES86 = 70
CES12 = 63	CES37 = 88	CES62 = 89	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 82	CES88 = 82
CES14 = 74	CES39 = 97	CES64 = 74	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 71	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 71	CES91 = 74
CES17 = 49	CES42 = 90	CES67 = 68	CES92 = 58
CES18 = 56	CES43 = 85	CES68 = 72	CES93 = 76
CES19 = 72	CES44 = 99	CES69 = 79	CES94 = 54
CES20 = 65	CES45 = 90	CES70 = 67	CES95 = 67
CES21 = 86	CES46 = 87	CES71 = 63	CES96 = 78
CES22 = 78	CES47 = 91	CES72 = 87	CES97 = 87
CES23 = 91	CES48 = 80	CES73 = 58	CES98 = 79
CES24 = 91	CES49 = 86	CES74 = 95	CES99 = 66
CES25 = 72	CES50 = 92	CES75 = 65	

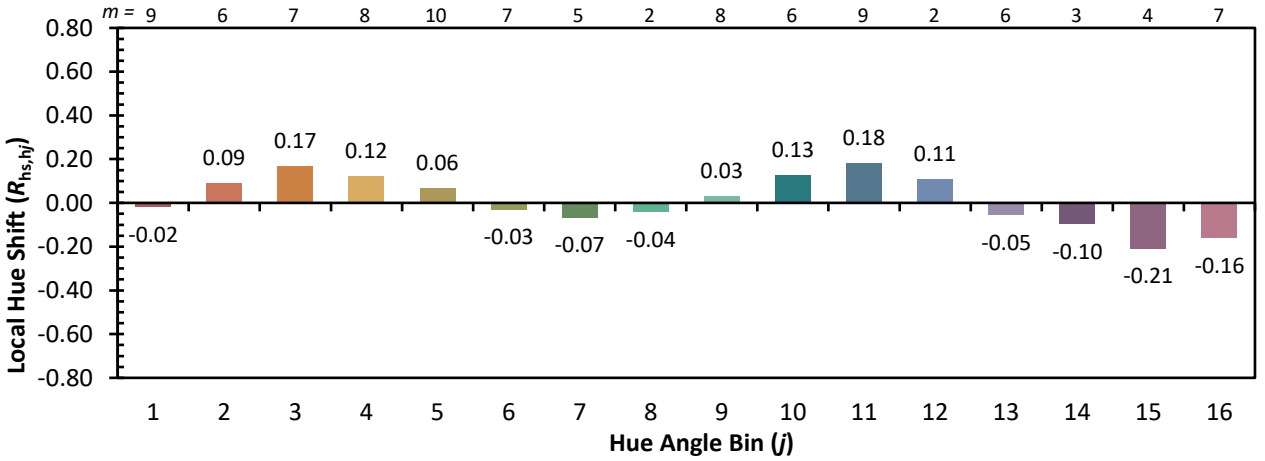


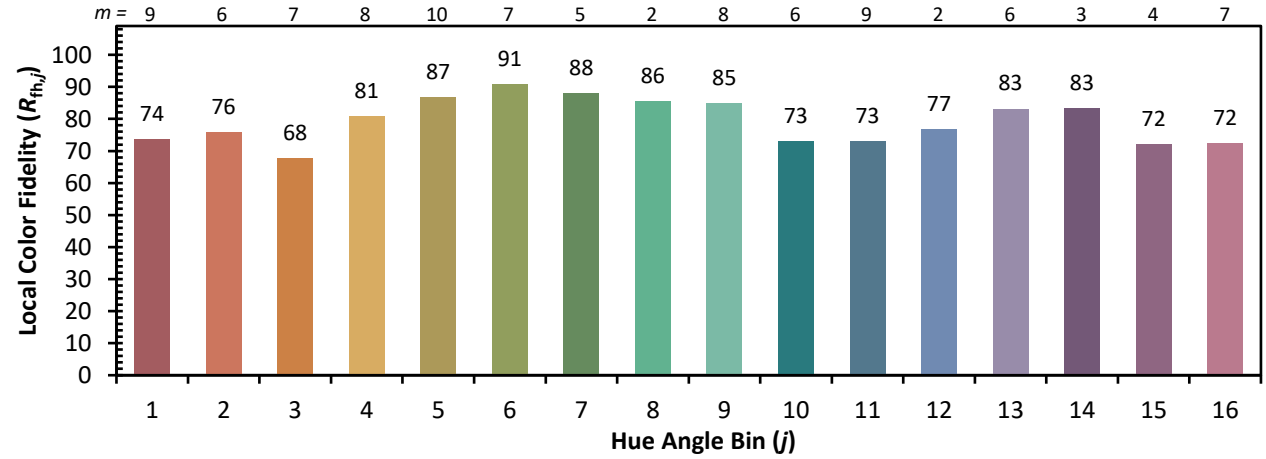
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Color Rendition by Hue-Angle Bin



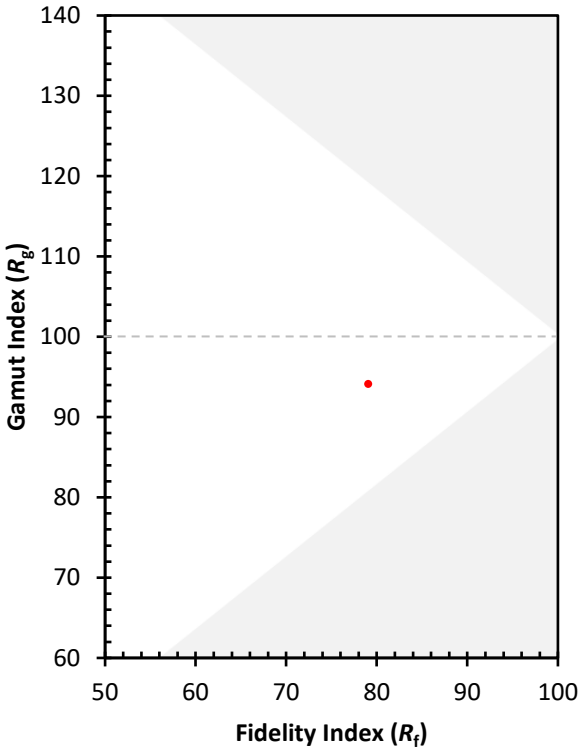


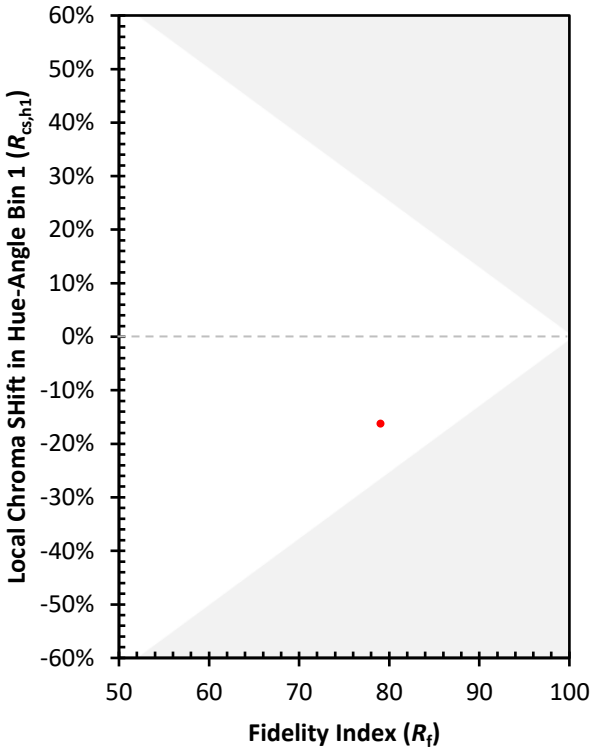


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Measure Comparisons





(END OF REPORT)