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: P1045971

Luminaire Tested: **FFX-CLB-50-727-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045971
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-727-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:	5197.1 lumens
Efficiency:	N/A
Efficacy:	102.7 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

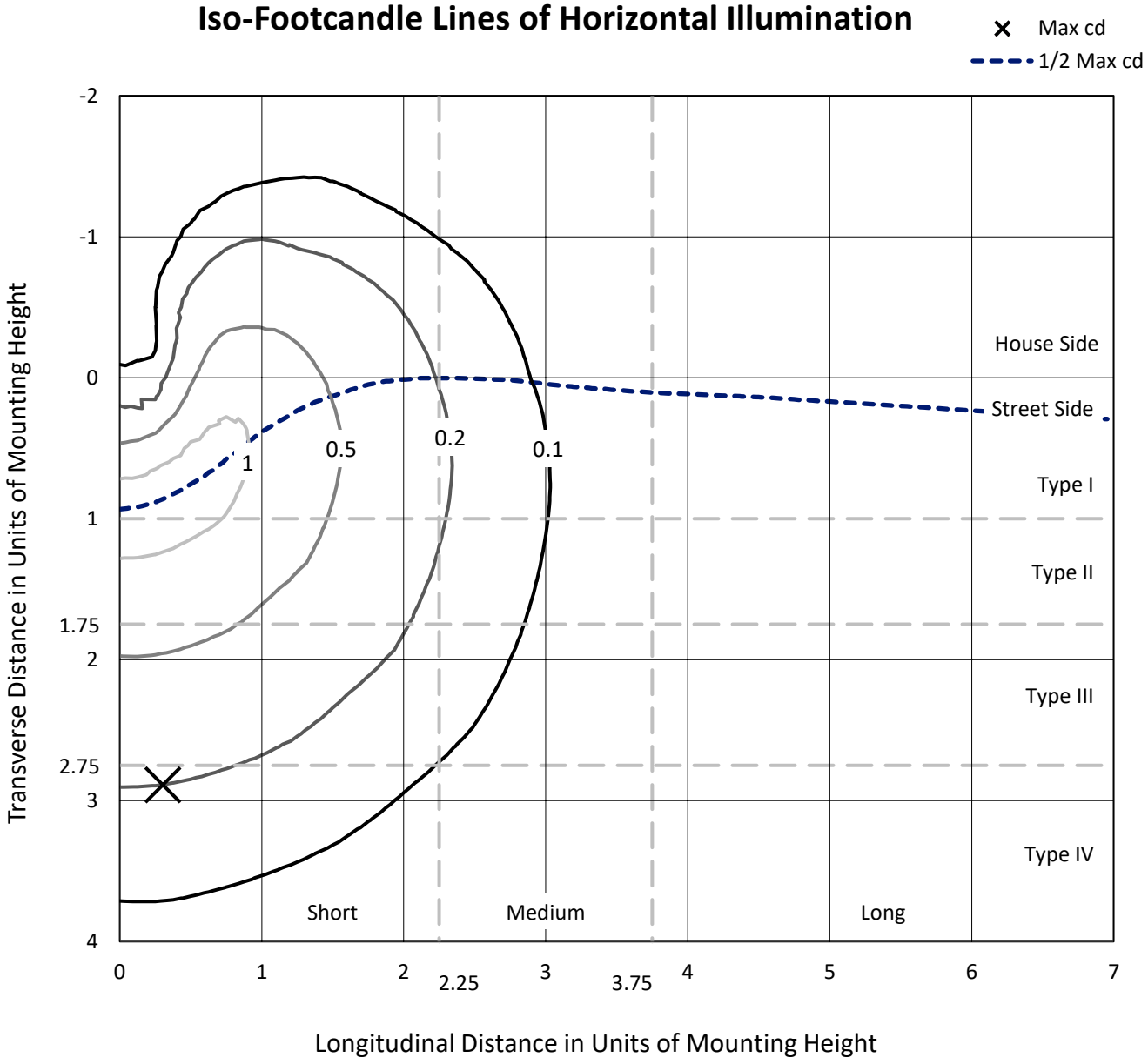


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Iso-Footcandle Lines of Horizontal Illumination



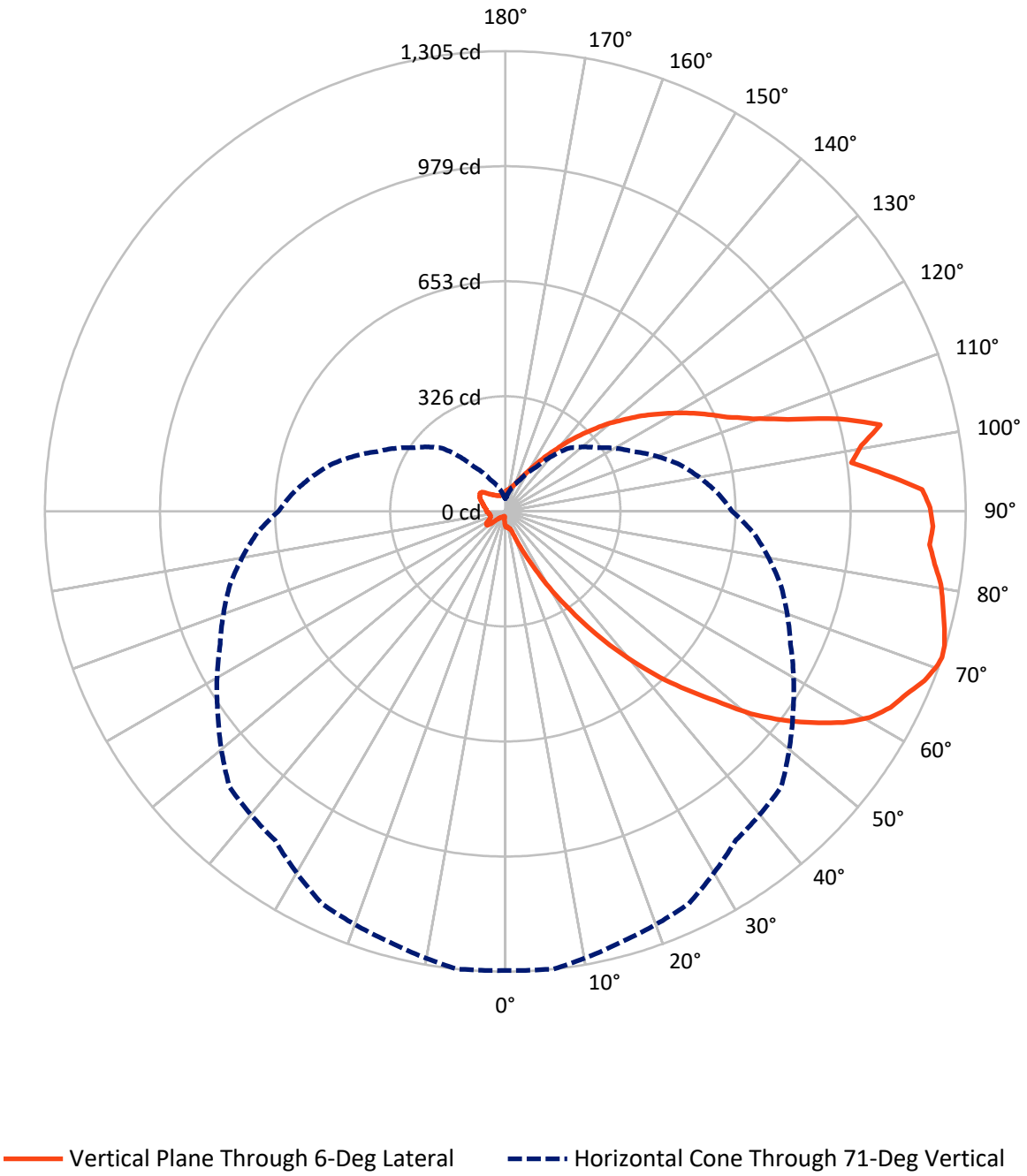
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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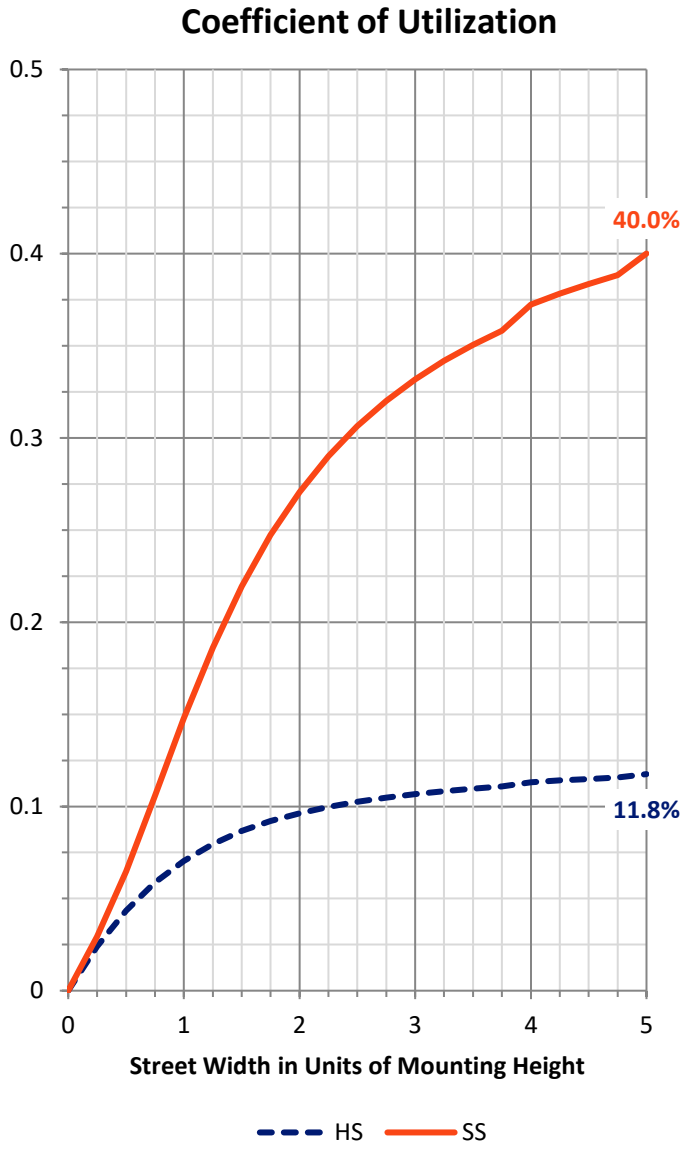
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	667.4	529.2	1196.6
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	2434.5	1566.1	4000.5
	% Fixture	46.8	30.1	77.0
Total	Lumens	3101.8	2095.3	5197.1
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	10.8	0.2
20°-30°	49.3	0.9
30°-40°	165.0	3.2
40°-50°	336.3	6.5
50°-60°	517.3	10.0
60°-70°	643.8	12.4
70°-80°	688.5	13.2
80°-90°	687.3	13.2
90°-100°	621.1	12.0
100°-110°	543.3	10.5
110°-120°	370.3	7.1
120°-130°	261.6	5.0
130°-140°	158.5	3.1
140°-150°	80.4	1.5
150°-160°	37.5	0.7
160°-170°	17.2	0.3
170°-180°	5.3	0.1
0°-90°	3101.8	59.7
0°-180°	5197.1	100.0



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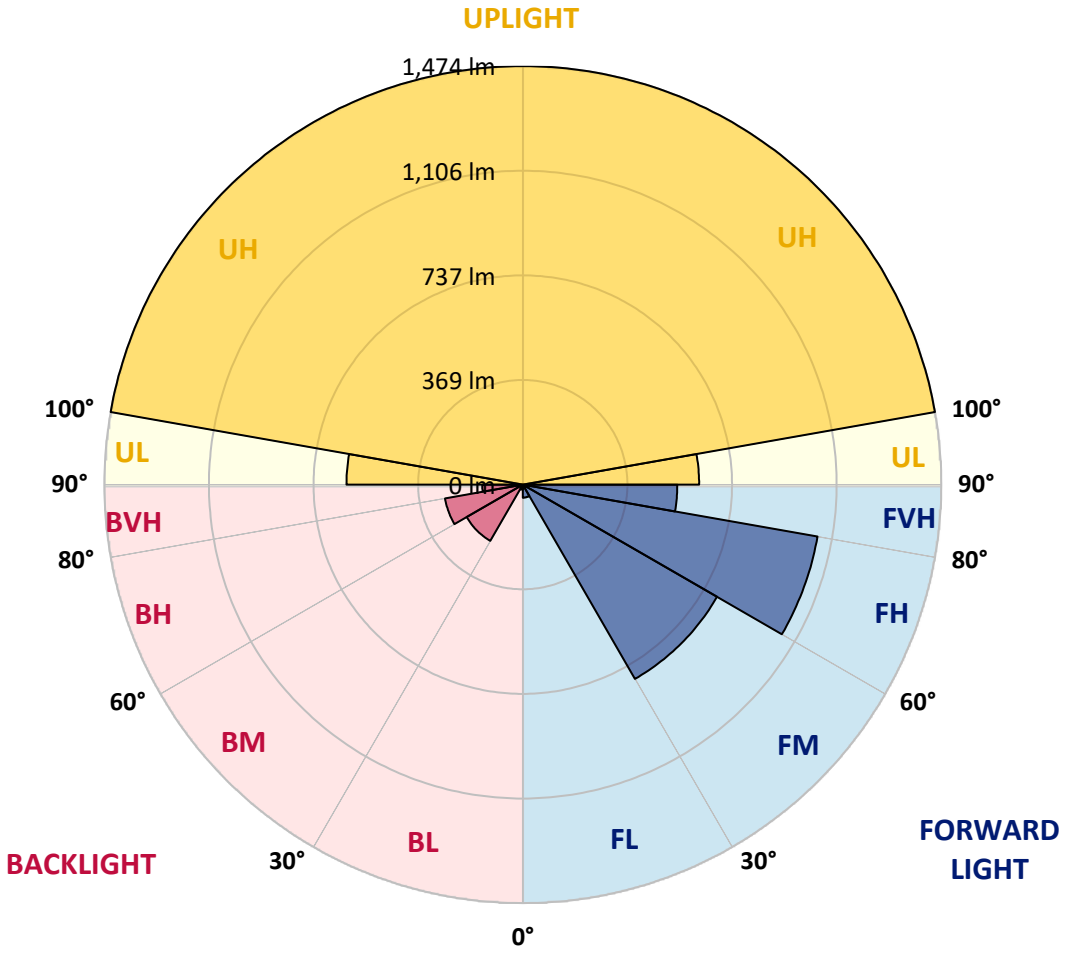
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	46.0	0.9			
FM	(30°-60°)	790.1	15.2			
FH	(60°-80°)	1054.1	20.3			G1/1800
FVH	(80°-90°)	544.3	10.5			G4/750
BL	(0°-30°)	17.6	0.3	B0/110		
BM	(30°-60°)	228.5	4.4	B1/1000		
BH	(60°-80°)	278.2	5.4	B1/500		G1/500
BVH	(80°-90°)	143.0	2.8			G2/225
UL	(90°-100°)	621.1	12.0		U4/1000	
UH	(100°-180°)	1474.2	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°	42.3	42.3	*42.3*	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
2.5°	45.7	45.7	*45.7*	45.7	45.7	45.7	45.2	44.0	43.5	42.9	42.3
5°	43.5	43.5	*43.5*	43.5	43.5	43.5	43.5	42.9	42.3	41.2	40.1
7.5°	43.5	43.5	*43.5*	43.5	42.9	42.3	41.8	41.2	40.6	38.4	36.1
10°	47.4	48.0	*47.4*	47.4	45.7	44.0	42.9	41.2	40.1	38.9	36.1
12.5°	50.2	50.2	*50.2*	49.7	48.5	47.4	45.2	42.3	40.1	37.8	35.6
15°	51.9	51.9	*51.9*	51.9	50.8	49.1	47.4	45.2	42.9	40.1	37.2
17.5°	58.7	58.7	*58.7*	58.1	57.0	55.9	54.7	53.6	51.9	49.1	46.3
20°	77.3	79.0	*78.4*	76.8	75.6	74.5	75.1	73.9	72.8	68.9	64.3
22.5°	107.2	109.5	*108.9*	109.5	107.8	106.7	106.1	107.2	105.0	99.3	90.9
25°	150.7	150.7	*149.0*	153.5	154.1	148.4	149.6	149.0	147.3	137.1	123.6
27.5°	199.2	198.1	*197.5*	204.9	206.0	203.7	206.0	202.1	196.4	185.1	168.2
30°	255.7	260.2	*262.4*	263.6	267.0	269.2	272.0	268.6	253.4	239.9	216.2
32.5°	327.3	324.5	*324.0*	335.8	342.0	342.6	349.4	339.8	322.8	297.4	266.4
35°	406.4	399.6	*400.7*	408.1	418.2	425.5	430.6	412.0	394.5	361.2	320.6
37.5°	480.9	481.4	*480.9*	483.7	502.9	505.1	506.3	485.4	460.0	425.5	374.8
40°	557.0	558.2	*561.0*	570.0	590.3	586.4	577.4	558.7	526.0	487.1	427.2
42.5°	635.5	642.8	*644.5*	649.0	663.2	662.0	646.8	625.9	588.1	539.6	472.4
45°	719.6	718.5	*721.3*	727.5	738.8	738.8	711.7	681.2	640.0	585.3	513.0
47.5°	799.2	807.6	*802.6*	817.8	812.2	816.1	769.8	732.6	687.4	622.5	546.9
50°	899.6	904.1	*902.5*	900.8	883.8	883.8	836.4	786.2	735.4	658.6	580.8
52.5°	984.9	986.5	*983.7*	977.0	953.2	945.3	889.5	831.3	777.7	701.0	613.5
55°	1063.9	1052.6	*1057.7*	1046.9	1009.7	1001.2	948.2	865.8	815.0	731.4	641.7
57.5°	1122.0	1128.2	*1129.9*	1106.8	1069.5	1035.1	999.5	907.0	843.2	760.2	660.3
60°	1171.7	1188.6	*1187.5*	1152.5	1119.7	1058.2	1038.5	943.1	861.8	785.6	680.7
62.5°	1208.9	1227.0	*1225.8*	1197.6	1168.3	1081.9	1059.9	964.5	873.1	798.6	695.9
65°	1245.6	1254.1	*1250.1*	1238.8	1203.8	1103.9	1080.2	974.1	882.7	804.3	701.5
67.5°	1282.9	1282.3	*1281.7*	1265.9	1228.1	1124.3	1096.6	988.2	892.3	810.5	705.5
70°	1301.5	1302.6	*1302.0*	1268.7	1233.7	1137.8	1105.6	995.6	894.6	810.5	708.9
71°	*1302.6*	*1304.3*	*1305.4*	*1265.4*	*1228.7*	*1138.9*	*1106.2*	*995.6*	*892.3*	*808.8*	*707.2*
72.5°	1294.7	1303.2	*1302.0*	1256.9	1221.3	1137.2	1102.2	991.1	888.9	802.0	702.1
75°	1277.2	1292.4	*1285.7*	1240.0	1202.7	1126.0	1091.5	986.5	880.4	793.0	697.6
77.5°	1262.0	1279.5	*1268.2*	1225.8	1192.5	1118.0	1085.9	987.7	874.2	787.3	695.9
80°	1251.8	1261.4	*1252.4*	1217.4	1184.1	1109.0	1081.9	988.2	872.5	784.5	690.8
82.5°	1236.6	1232.6	*1226.4*	1198.8	1164.9	1092.7	1066.1	979.2	868.6	778.9	685.2
85°	1223.0	1206.7	*1206.7*	1181.8	1147.4	1079.7	1047.5	968.5	861.8	773.2	678.4
87.5°	1230.9	1208.9	*1213.4*	1189.7	1151.9	1081.4	1044.1	967.4	864.6	774.3	674.4
90°	1223.0	1202.1	*1204.4*	1179.6	1135.5	1063.9	1018.7	944.8	846.6	758.5	660.3
92.5°	1209.5	1187.5	*1184.1*	1158.7	1114.1	1046.4	999.0	930.1	832.5	746.1	655.3
95°	1105.1	1089.3	*1082.5*	1064.4	1030.0	970.7	933.5	867.5	770.4	691.4	612.9
97.5°	997.8	1000.7	*991.1*	969.6	931.8	885.5	844.3	781.1	699.3	631.0	554.8
100°	1040.2	1036.2	*1026.6*	997.8	958.3	906.4	857.9	796.9	717.3	655.8	571.7
102.5°	1086.4	1095.5	*1091.5*	1055.4	1010.8	969.1	932.4	871.4	783.9	719.0	629.3
105°	960.0	978.1	*982.0*	953.8	921.1	886.1	853.9	811.0	735.4	668.8	598.2
107.5°	837.0	839.8	*842.6*	821.2	804.8	773.8	741.6	702.7	645.1	594.3	525.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	751.8	754.6	*750.1*	741.0	724.1	700.4	664.8	637.8	587.5	544.6	482.0
112.5°	684.0	686.9	*683.5*	672.2	656.9	638.3	601.1	578.5	535.6	495.5	439.1
115°	640.6	644.0	*638.3*	626.5	613.5	603.3	571.2	537.9	498.9	463.4	414.8
117.5°	599.4	606.2	*593.2*	589.8	580.2	570.0	533.3	504.0	470.1	438.0	399.0
120°	554.2	559.9	*549.1*	545.2	539.6	529.4	495.0	468.4	441.4	412.6	375.3
122.5°	518.1	510.2	*505.1*	505.1	498.4	491.6	456.0	434.0	412.6	388.3	349.9
125°	476.9	466.2	*463.9*	467.9	459.4	450.4	422.2	402.4	386.0	361.8	324.0
127.5°	430.6	420.5	*420.5*	422.2	417.1	408.1	389.4	373.1	362.9	336.9	299.1
130°	387.2	381.5	*382.7*	378.7	373.6	366.3	352.7	340.9	332.4	306.5	279.4
132.5°	335.2	341.5	*341.5*	334.7	333.6	327.9	317.2	311.5	298.6	277.1	254.5
135°	298.6	303.6	*303.1*	296.9	296.3	292.9	285.0	279.9	267.5	249.5	230.8
137.5°	267.5	267.5	*266.4*	262.4	260.2	259.6	252.3	247.2	235.3	222.9	207.7
140°	237.0	232.0	*230.3*	230.8	227.4	226.9	220.7	214.5	208.8	197.0	184.6
142.5°	205.4	202.1	*200.4*	198.1	197.0	195.3	191.3	186.2	180.6	172.7	161.4
145°	175.5	175.5	*174.4*	172.1	172.1	169.9	165.9	163.1	158.0	149.6	140.5
147.5°	152.4	150.7	*150.7*	150.1	148.4	147.3	143.9	140.0	136.6	129.8	121.3
150°	130.9	130.9	*129.8*	130.9	129.8	128.1	125.9	122.5	118.5	113.4	106.7
152.5°	114.0	114.6	*113.4*	115.1	114.0	112.9	110.1	107.8	103.3	98.8	94.3
155°	101.6	102.2	*101.6*	101.0	101.0	99.3	98.2	94.8	92.0	88.0	84.1
157.5°	90.3	90.9	*90.9*	90.9	90.9	89.2	86.9	84.7	82.4	79.0	75.6
160°	83.0	82.4	*82.4*	81.8	81.3	80.7	79.0	76.8	75.1	72.2	69.4
162.5°	75.6	75.6	*75.6*	75.1	74.5	73.9	72.8	70.5	68.9	66.6	64.3
165°	70.5	70.5	*70.5*	70.5	69.4	68.9	67.7	66.0	64.9	62.6	60.4
167.5°	67.2	67.2	*67.2*	66.6	66.0	65.5	64.9	63.2	62.1	60.4	58.7
170°	64.3	64.3	*64.3*	64.3	63.8	62.6	62.1	61.0	59.8	58.7	57.0
172.5°	61.5	61.5	*61.5*	61.5	61.0	61.0	60.4	59.3	58.7	57.0	56.4
175°	59.3	59.3	*59.3*	59.3	58.7	58.7	58.1	57.6	57.0	56.4	55.3
177.5°	57.6	57.6	*57.6*	57.6	57.0	57.0	57.0	56.4	55.9	55.3	55.3
180°	55.3	55.3	*55.3*	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
2.5°	42.3	42.3	41.2	40.6	40.1	38.9	37.8	36.1	36.1	36.1	35.6
5°	39.5	38.9	37.8	36.1	35.6	35.0	33.9	31.6	28.8	26.5	26.5
7.5°	36.7	33.9	31.0	29.9	28.2	25.4	22.6	19.2	15.2	14.7	14.7
10°	34.4	32.7	29.3	26.5	23.7	23.1	20.9	17.5	15.8	14.1	14.1
12.5°	33.9	32.7	28.8	25.4	22.0	20.3	18.6	16.9	15.2	14.1	14.1
15°	35.6	34.4	30.5	26.5	22.6	20.3	18.1	16.4	15.8	15.2	15.2
17.5°	44.6	42.9	37.2	31.0	26.0	22.6	19.8	18.1	17.5	16.9	16.9
20°	60.4	57.6	49.7	41.2	33.3	26.0	22.0	19.2	18.6	18.1	18.1
22.5°	85.8	80.7	67.2	54.2	42.3	32.7	25.4	20.3	18.6	18.1	18.1
25°	116.8	110.1	90.3	71.1	53.6	41.8	31.0	23.1	18.6	17.5	17.5
27.5°	158.0	146.2	119.6	95.4	71.7	53.1	38.9	27.7	20.3	17.5	16.9
30°	201.5	186.8	152.9	120.8	90.9	66.6	48.0	33.3	23.1	17.5	16.9
32.5°	248.9	229.1	191.9	151.8	112.9	82.4	58.7	38.9	26.5	18.6	17.5
35°	297.4	275.4	229.1	184.6	135.5	98.2	70.0	45.2	28.8	19.8	18.6
37.5°	346.5	321.7	271.5	213.9	157.5	114.6	81.3	51.9	31.0	20.9	19.8
40°	395.6	365.7	310.4	241.6	178.9	130.9	92.0	57.6	32.7	22.6	22.0
42.5°	434.0	403.5	342.6	264.7	201.5	145.6	102.7	62.1	34.4	25.4	24.3
45°	469.0	436.8	369.7	285.6	219.0	163.1	115.1	69.4	37.8	28.8	27.7
47.5°	504.6	473.0	397.9	305.9	235.9	180.6	129.8	77.3	46.8	37.2	36.7
50°	535.6	500.6	428.4	333.6	257.4	197.0	145.0	86.9	55.3	54.2	54.7
52.5°	565.5	530.5	454.3	353.9	272.0	216.7	159.7	90.9	62.6	63.8	64.9
55°	598.8	558.2	475.2	369.7	280.5	229.7	168.2	94.3	69.4	64.9	63.8
57.5°	621.4	574.5	492.1	387.2	289.5	237.6	168.8	98.2	75.1	62.6	61.0
60°	636.6	583.6	501.2	396.8	301.9	244.9	167.1	98.8	78.4	57.6	52.5
62.5°	646.8	595.4	509.1	399.0	311.5	250.6	166.5	96.5	77.3	51.4	47.4
65°	651.3	605.6	516.4	400.1	313.2	254.5	166.5	95.4	75.6	45.2	40.6
67.5°	651.3	609.0	519.2	402.4	312.1	255.7	161.4	98.8	73.4	42.9	37.2
70°	647.9	607.3	515.3	401.8	314.4	254.5	155.8	98.8	70.0	42.9	35.6
71°	*643.4*	*603.9*	*512.5*	*401.3*	*314.9*	*253.4*	*153.5*	*98.2*	*68.3*	*41.8*	*36.1*
72.5°	637.2	598.8	507.4	400.1	313.2	250.0	149.0	98.8	66.6	41.2	36.7
75°	630.4	594.9	503.4	395.6	312.7	244.9	141.1	97.1	66.0	41.8	37.8
77.5°	628.2	595.4	501.2	394.5	312.7	242.1	135.5	95.9	64.9	42.3	40.1
80°	623.1	594.3	496.7	391.7	311.5	237.0	133.8	95.9	63.8	42.9	41.2
82.5°	618.0	591.5	492.7	388.9	309.8	230.3	132.1	95.4	62.6	44.6	43.5
85°	613.5	590.9	492.7	387.2	309.3	226.3	131.5	94.8	62.1	46.3	45.2
87.5°	613.5	593.7	497.8	391.7	314.4	226.3	133.8	95.9	62.6	48.5	48.0
90°	602.2	581.3	489.9	388.9	316.1	226.9	136.0	98.8	64.9	50.8	49.7
92.5°	598.8	575.7	487.6	391.7	318.3	226.9	138.8	101.6	66.6	51.9	50.8
95°	561.6	535.6	458.8	371.9	304.2	220.7	140.0	101.0	67.7	52.5	51.9
97.5°	509.6	481.4	409.2	330.7	269.2	198.1	127.6	94.8	67.2	54.2	53.1
100°	527.1	493.8	418.2	336.4	264.7	194.1	125.3	92.0	68.9	56.4	55.3
102.5°	575.7	539.6	460.0	372.5	288.4	214.5	140.0	97.6	72.2	59.3	57.6
105°	546.9	506.8	444.2	360.6	281.1	214.5	140.5	99.3	75.6	61.5	60.4
107.5°	483.1	445.9	391.1	321.1	257.4	198.1	133.2	96.5	78.4	64.3	62.6

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

Scaled Data Report

REPORT NUMBER: P1045971
CATALOG NUMBER: FFX-CLB-50-727-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	446.4	406.4	356.1	292.9	239.3	184.0	128.1	94.8	80.1	67.7	65.5
112.5°	407.5	373.1	324.5	269.2	222.9	169.9	124.7	94.3	81.3	71.1	68.9
115°	385.5	349.9	308.2	254.5	212.2	165.4	123.6	97.1	85.2	75.6	73.4
117.5°	366.3	336.9	299.7	243.3	204.9	163.7	125.9	100.5	88.0	79.6	76.8
120°	346.5	319.4	285.6	234.2	198.7	158.0	126.4	102.2	90.3	83.0	81.3
122.5°	334.7	304.2	270.9	226.3	191.3	154.1	125.9	104.4	90.9	84.7	84.7
125°	312.7	288.4	255.1	216.2	180.6	151.8	125.9	103.3	92.6	86.9	85.8
127.5°	288.4	272.6	239.3	204.9	173.3	146.2	122.5	103.3	92.0	86.9	86.9
130°	265.8	251.7	224.6	189.6	166.5	138.3	117.4	98.2	88.6	85.2	85.2
132.5°	240.4	231.4	206.0	175.0	152.9	128.7	110.6	90.9	83.0	80.1	80.1
135°	217.3	208.8	185.1	159.2	139.4	119.6	102.7	85.8	76.2	72.8	72.8
137.5°	195.8	187.9	167.1	145.0	127.0	110.6	94.8	80.7	71.1	67.2	67.7
140°	173.8	164.2	150.1	131.5	115.1	102.2	86.9	75.6	66.6	63.2	62.6
142.5°	154.1	146.7	133.8	118.0	103.8	93.7	80.1	70.5	63.2	59.8	59.3
145°	136.0	129.8	118.5	105.5	94.3	84.7	73.9	66.0	59.8	57.0	56.4
147.5°	116.8	112.9	104.4	94.3	84.7	76.2	68.9	61.5	57.6	54.2	53.6
150°	102.7	99.9	93.1	84.7	77.3	70.5	64.9	58.1	54.7	52.5	51.9
152.5°	91.4	88.6	83.0	76.8	70.5	65.5	60.4	55.9	52.5	50.8	50.2
155°	81.8	79.6	75.1	70.0	64.9	60.4	56.4	53.1	50.8	49.1	49.1
157.5°	74.5	72.2	68.9	64.3	60.4	56.4	53.6	50.8	49.7	48.0	48.0
160°	68.3	66.6	63.8	59.8	56.4	53.6	51.4	49.1	48.5	47.4	47.4
162.5°	63.2	62.1	59.3	56.4	54.2	51.9	50.2	48.5	47.4	46.8	46.8
165°	59.8	58.7	57.0	54.7	52.5	50.8	49.7	48.0	47.4	47.4	46.8
167.5°	58.1	57.0	55.3	53.1	51.4	50.8	49.7	48.5	48.0	48.0	47.4
170°	56.4	55.9	54.7	53.1	51.4	50.8	50.2	49.1	49.1	48.5	48.5
172.5°	55.9	55.3	54.2	53.1	51.9	51.4	50.8	50.2	50.2	50.2	49.7
175°	55.3	55.3	54.2	53.1	52.5	52.5	51.9	51.4	51.4	51.4	51.4
177.5°	55.3	54.7	54.7	54.2	53.6	53.6	53.6	53.1	53.1	53.1	53.1
180°	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-8

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

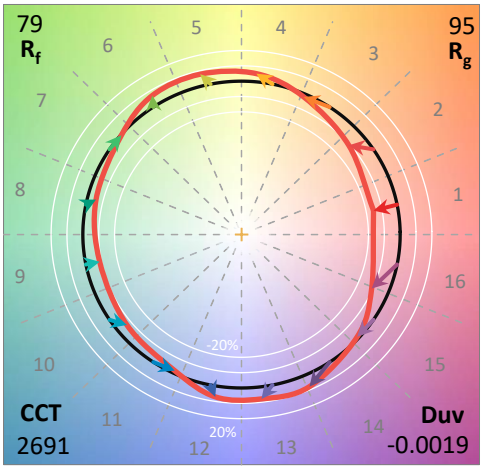
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

0

Spectral Parameters

CCT (K):	2691	CRI (Ra):	75.2		
CIE u':	0.2634	R1:	72.6	R9:	-22.6
CIE v':	0.5248	R2:	88.2	R10:	75.5
Duv:	-0.0019	R3:	92.0	R11:	69.1
CIE x:	0.4574	R4:	71.0	R12:	71.3
CIE y:	0.4050	R5:	73.5	R13:	75.9
CIE z:	0.1375	R6:	86.2	R14:	95.9
Peak Wavelength (nm):	602	R7:	75.1	R15:	63.7
Dominant Wavelength (nm):	584	R8:	43.1		
Purity:	58.87605				

Rf:	79.3
Rg:	95.1



Test Conditions

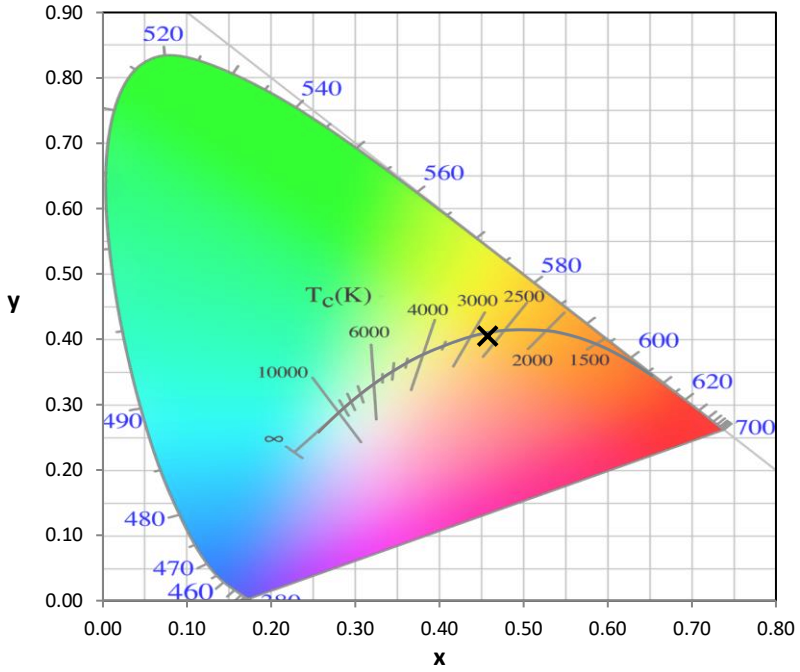
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

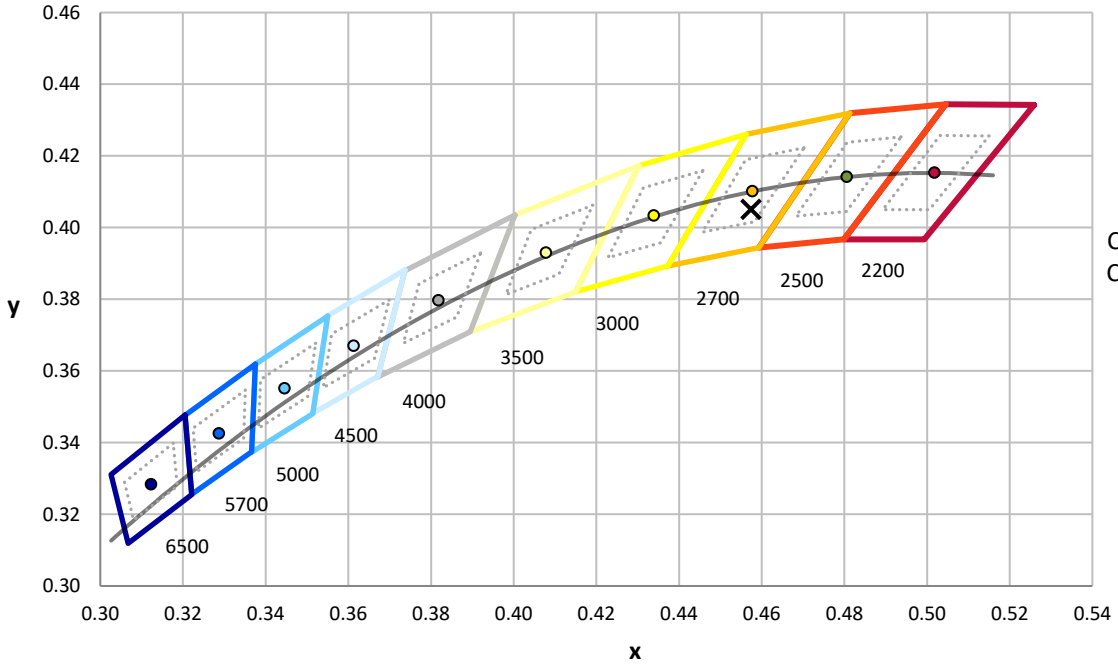
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-8

CIE 1931 Chromaticity Diagram



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

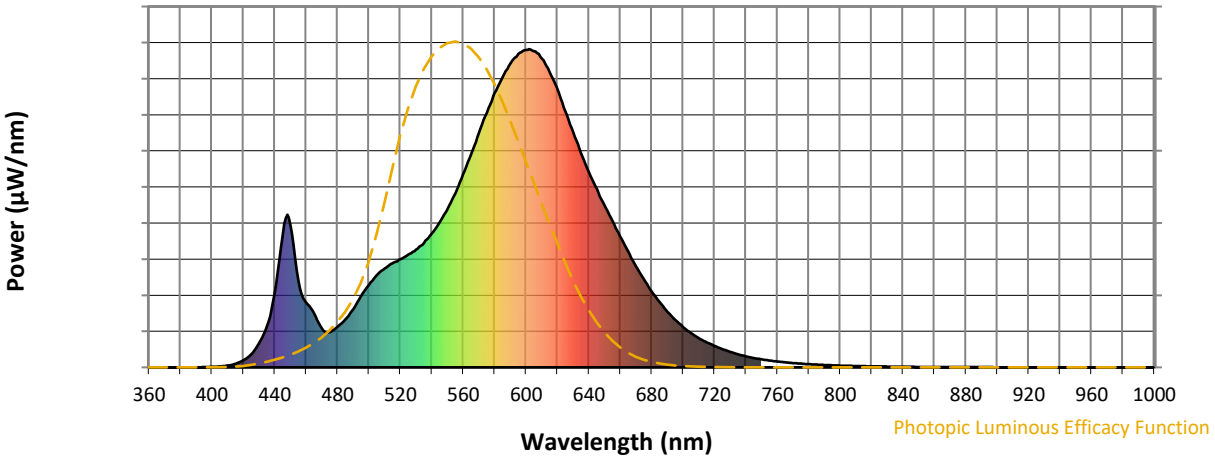


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

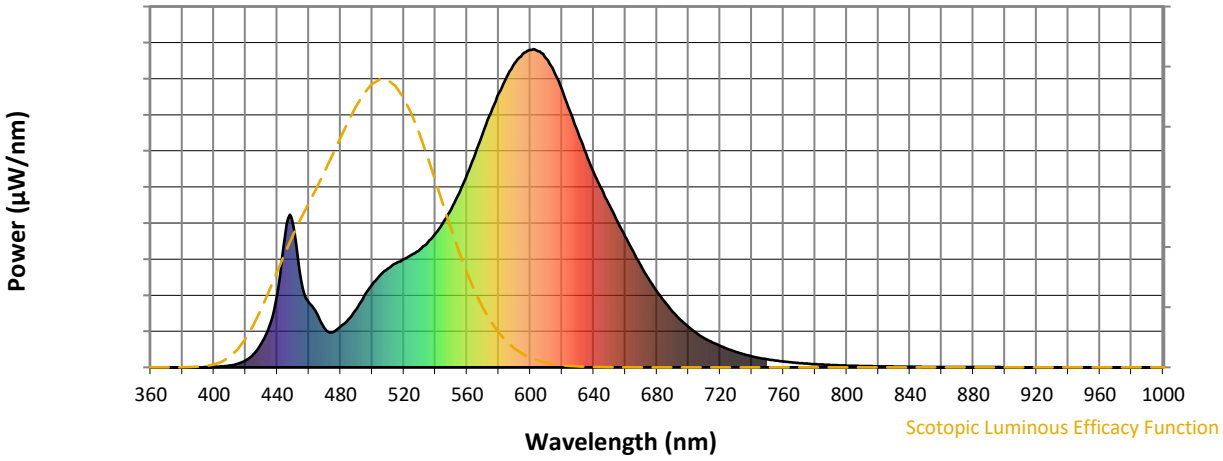


Photopic Lumens: NR

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Scotopic Flux vs. Wavelength

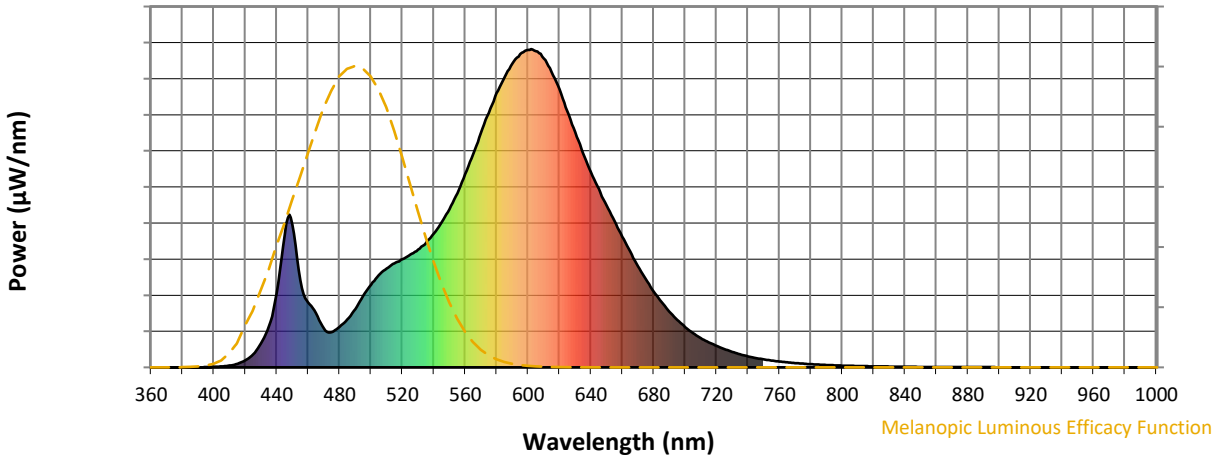


Scotopic Lumens: NR **S/P: 1.18**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.19**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

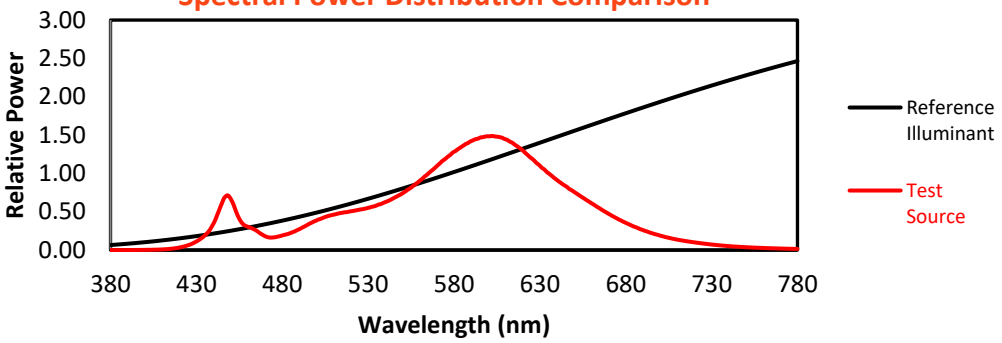
REPORT NUMBER: SP1-2501-332-8

TM-30-18

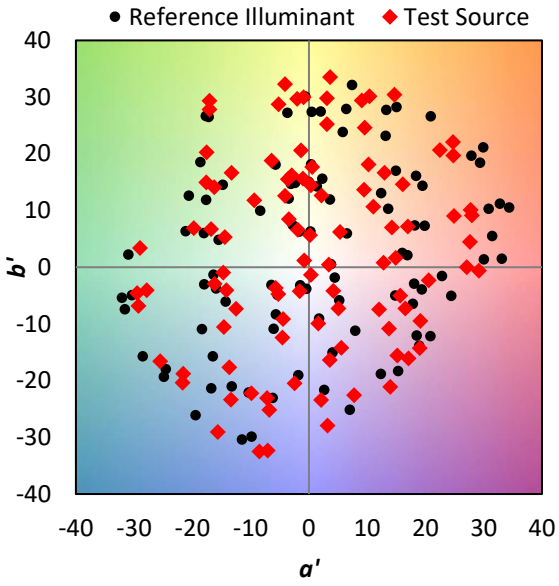
Summary

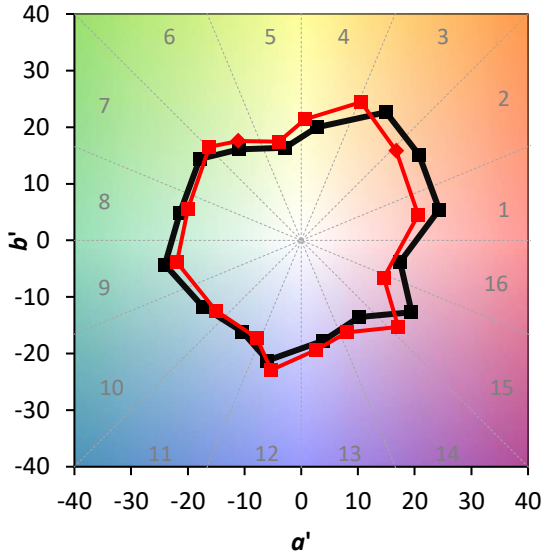
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

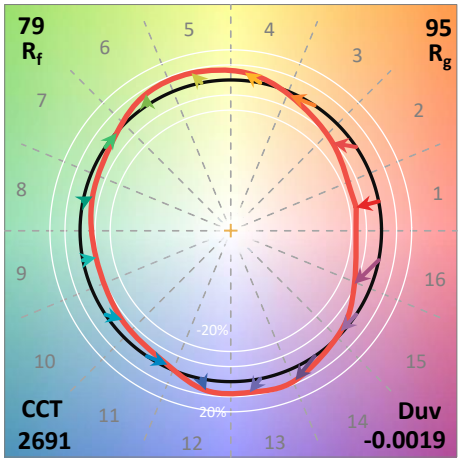
Spectral Power Distribution Comparison

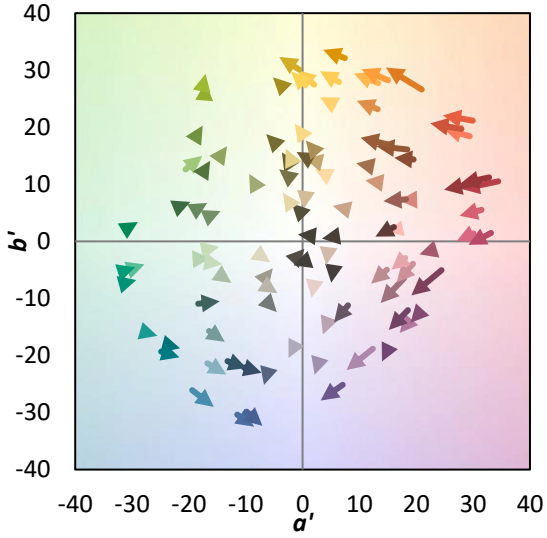


Color Vector Graphics







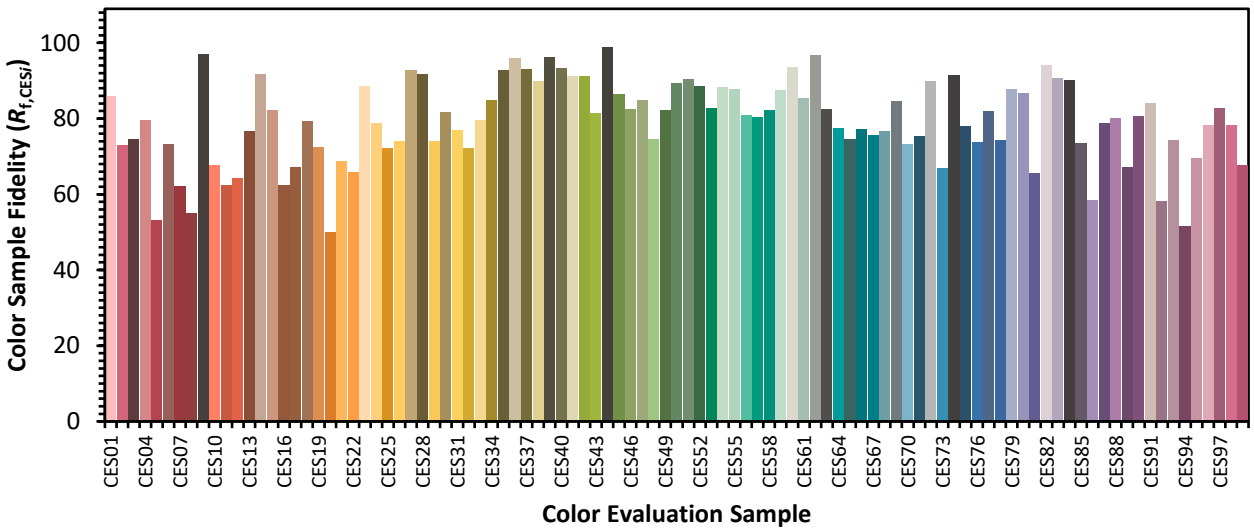


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

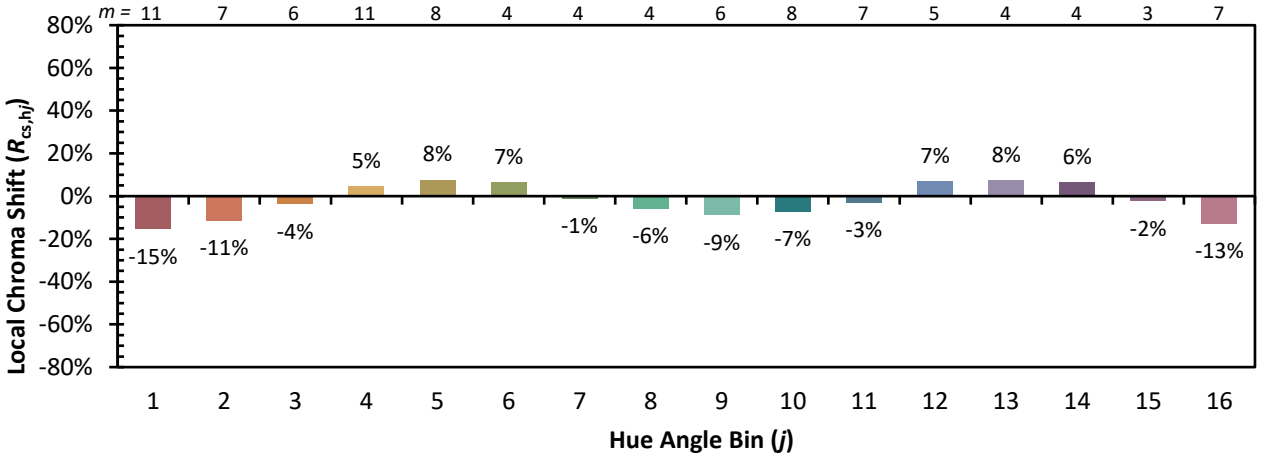
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 80	CES82 = 94
CES08 = 41	CES33 = 80	CES58 = 82	CES83 = 91
CES09 = 29	CES34 = 85	CES59 = 88	CES84 = 90
CES10 = 77	CES35 = 93	CES60 = 94	CES85 = 73
CES11 = 60	CES36 = 96	CES61 = 85	CES86 = 58
CES12 = 66	CES37 = 93	CES62 = 97	CES87 = 79
CES13 = 44	CES38 = 90	CES63 = 83	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 77	CES89 = 67
CES15 = 72	CES40 = 93	CES65 = 75	CES90 = 81
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 84
CES17 = 51	CES42 = 91	CES67 = 76	CES92 = 58
CES18 = 57	CES43 = 82	CES68 = 77	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 85	CES94 = 52
CES20 = 67	CES45 = 86	CES70 = 73	CES95 = 70
CES21 = 87	CES46 = 83	CES71 = 75	CES96 = 78
CES22 = 80	CES47 = 85	CES72 = 90	CES97 = 83
CES23 = 92	CES48 = 74	CES73 = 67	CES98 = 78
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 68
CES25 = 73	CES50 = 89	CES75 = 78	

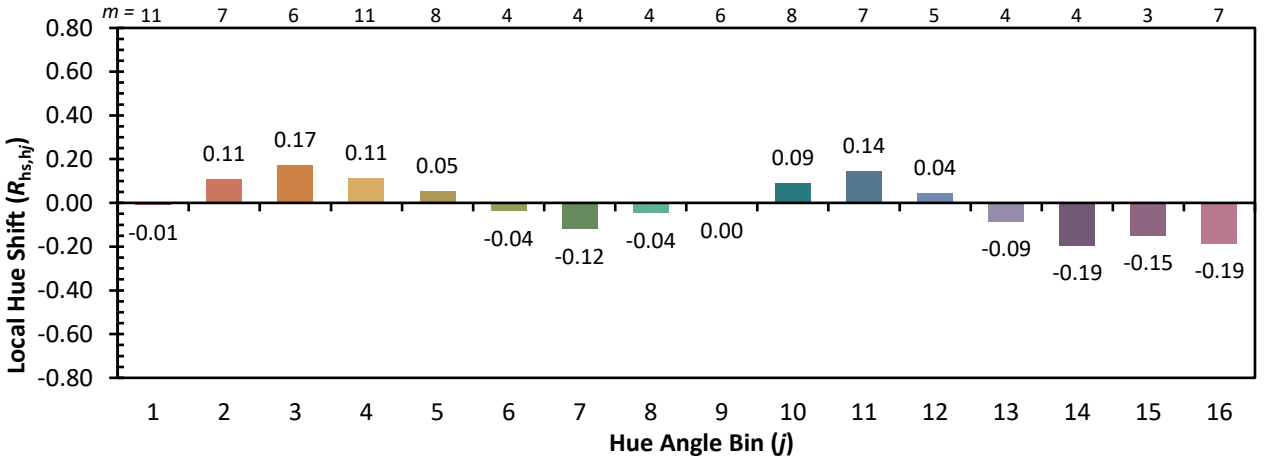


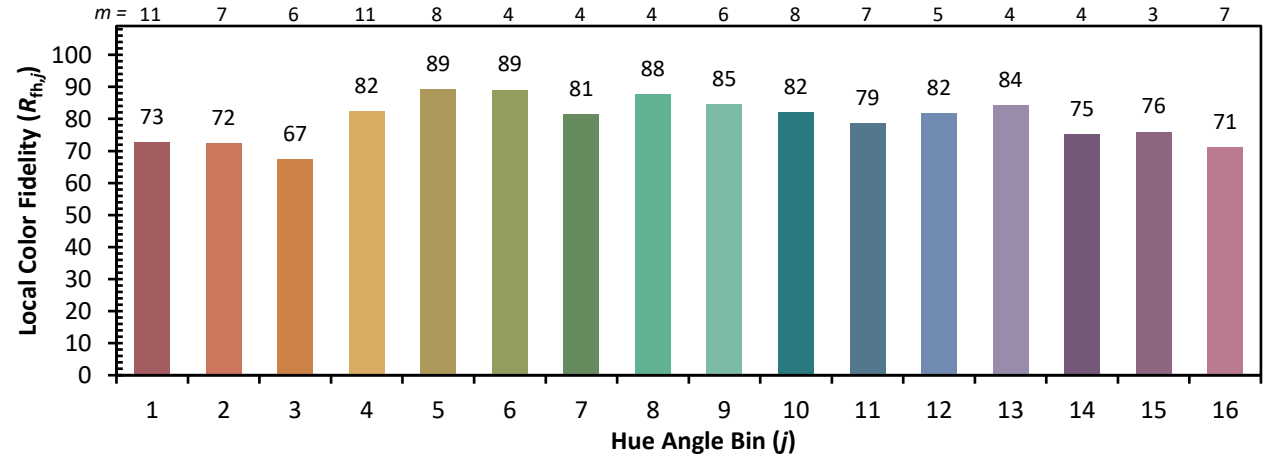
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Color Rendition by Hue-Angle Bin



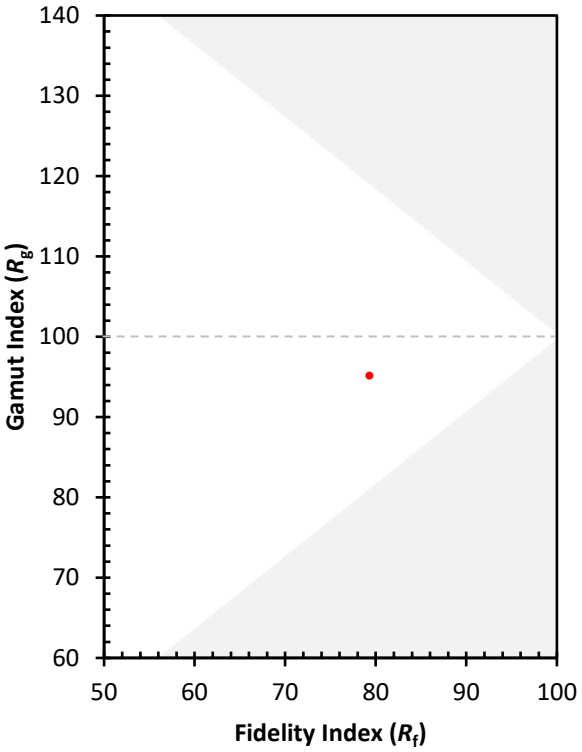


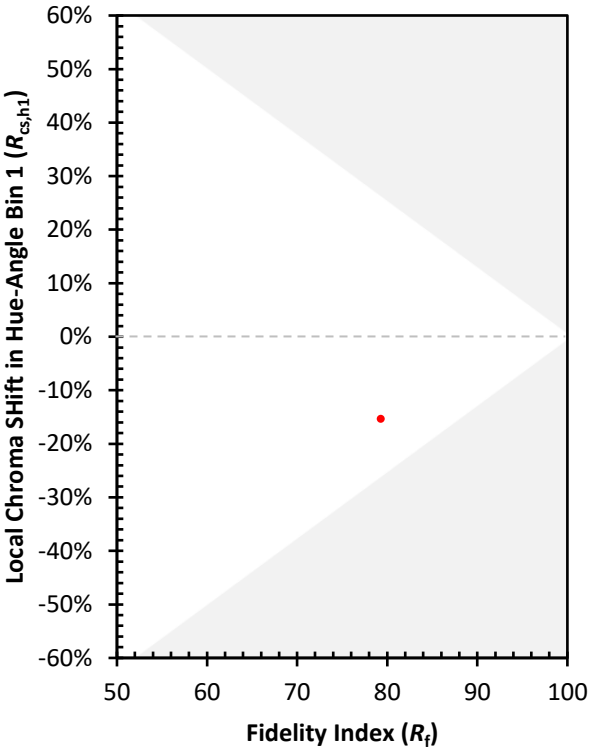


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Measure Comparisons





(END OF REPORT)