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: P1045926

Luminaire Tested: **FFX-CLB-50-727-U-FG-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:	P1045926
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-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED 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:	5367.6 lumens
Efficiency:	N/A
Efficacy:	106.1 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

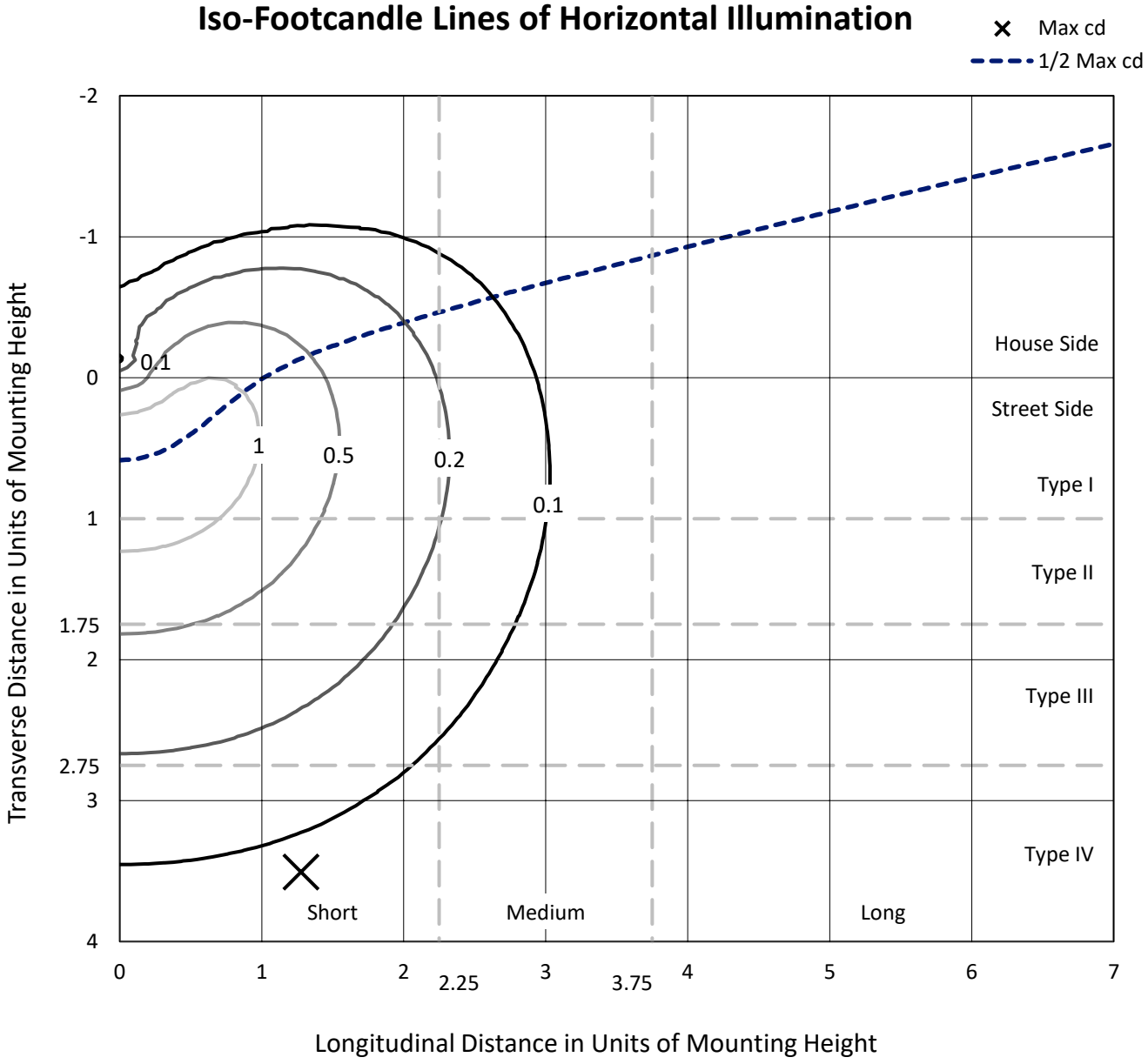


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Iso-Footcandle Lines of Horizontal Illumination



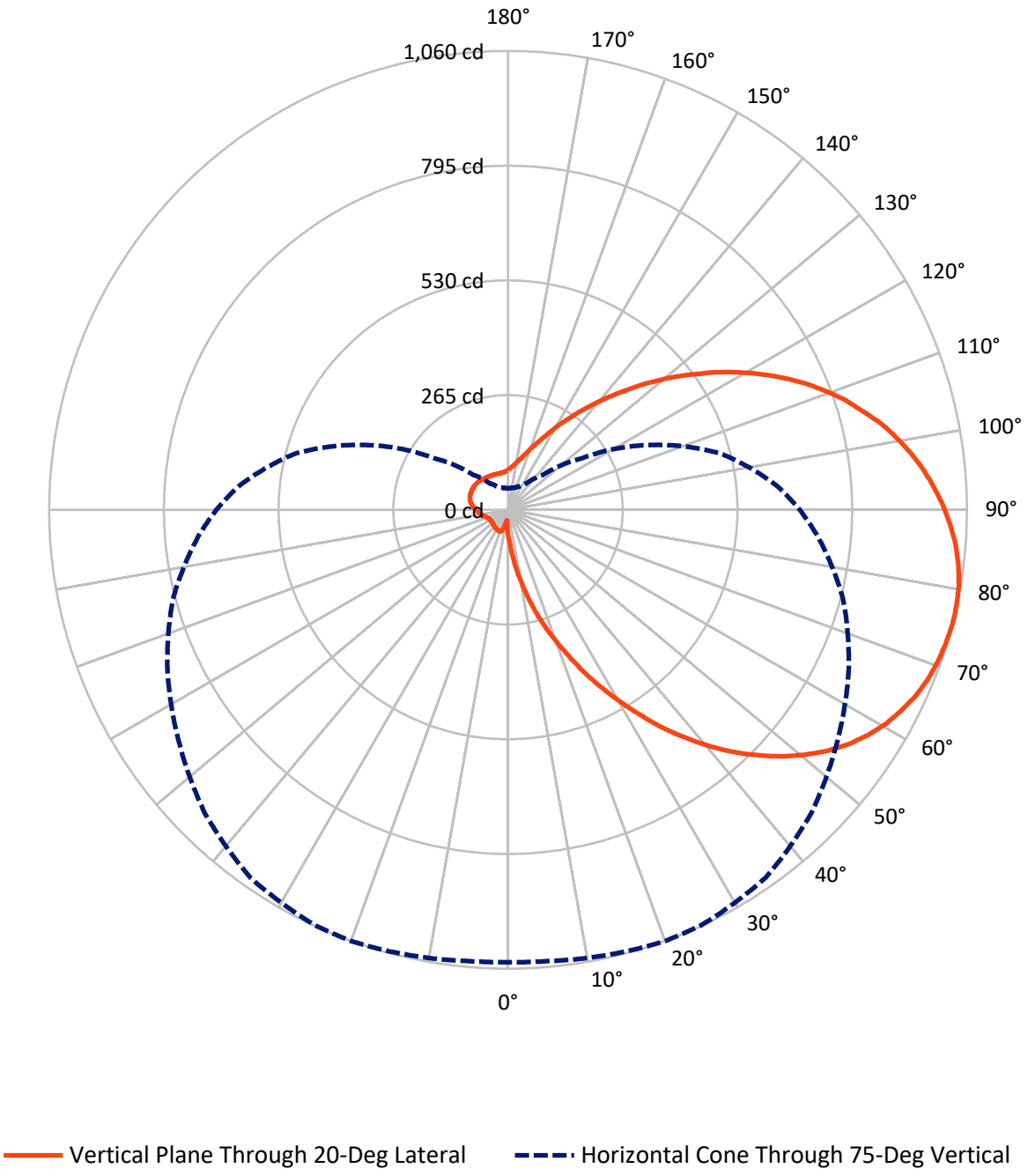
Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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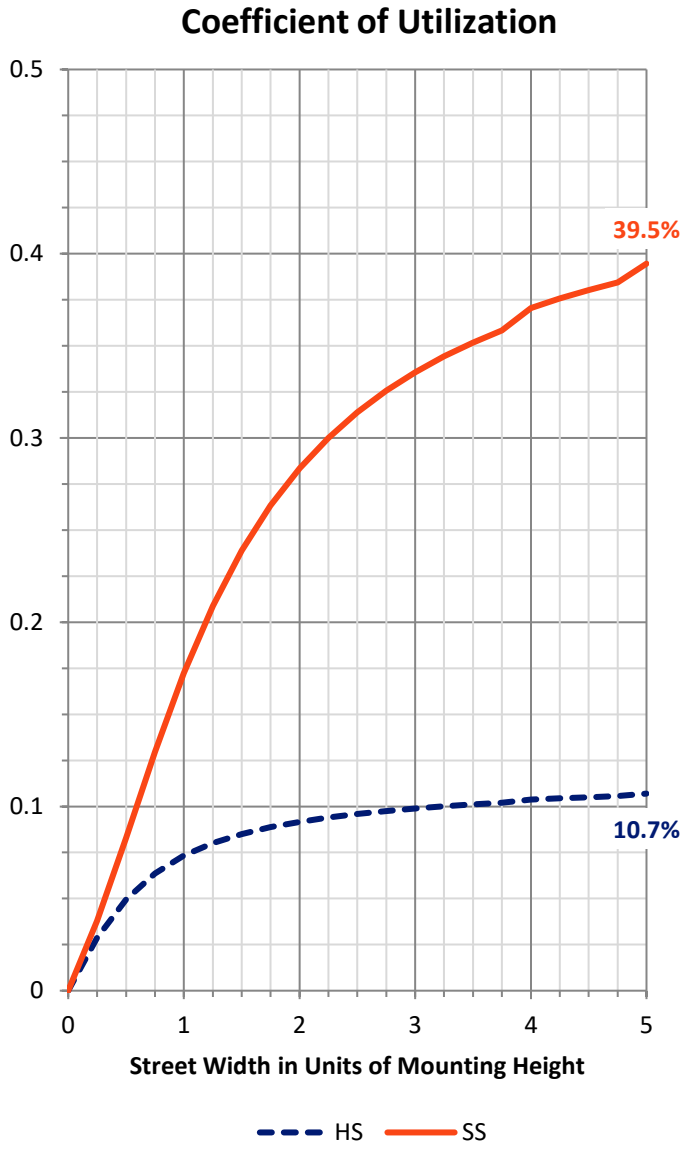
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	620.6	590.4	1210.9
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	2436.8	1719.9	4156.7
	% Fixture	45.4	32.0	77.4
Total	Lumens	3057.4	2310.3	5367.6
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.1
10°-20°	44.8	0.8
20°-30°	118.6	2.2
30°-40°	229.1	4.3
40°-50°	358.8	6.7
50°-60°	479.8	8.9
60°-70°	568.6	10.6
70°-80°	619.5	11.5
80°-90°	630.6	11.7
90°-100°	598.0	11.1
100°-110°	528.8	9.9
110°-120°	429.4	8.0
120°-130°	316.0	5.9
130°-140°	209.5	3.9
140°-150°	123.5	2.3
150°-160°	65.3	1.2
160°-170°	30.8	0.6
170°-180°	9.0	0.2
0°-90°	3057.4	57.0
0°-180°	5367.6	100.0



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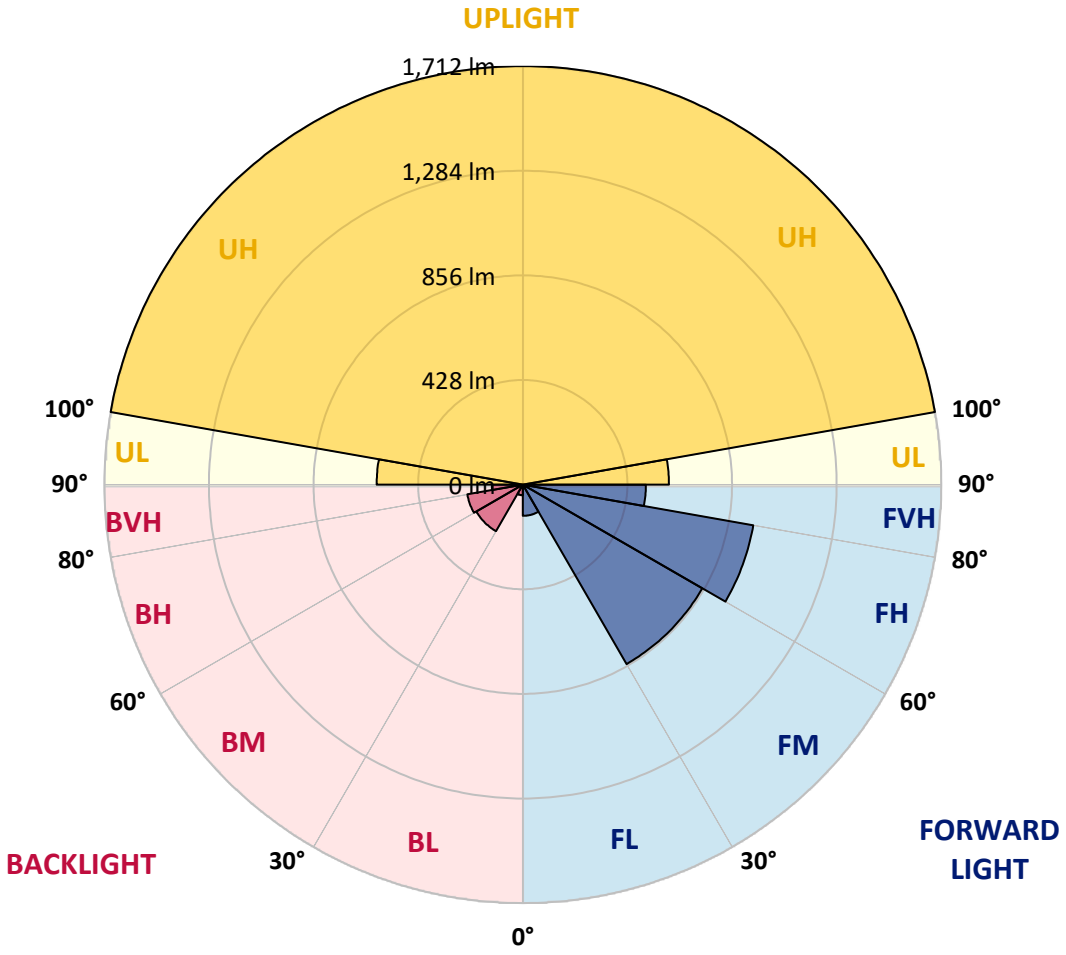
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	127.7	2.4			
FM	(30°-60°)	848.1	15.8			
FH	(60°-80°)	957.5	17.8			G1/1800
FVH	(80°-90°)	503.5	9.4			G4/750
BL	(0°-30°)	43.3	0.8	B0/110		
BM	(30°-60°)	219.7	4.1	B0/220		
BH	(60°-80°)	230.5	4.3	B1/500		G1/500
BVH	(80°-90°)	127.1	2.4			G2/225
UL	(90°-100°)	598.0	11.1		U4/1000	
UH	(100°-180°)	1712.3	31.9		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
2.5°	75.0	75.0	75.6	75.6	76.1	75.0	73.3	72.2	70.5	66.6	63.2
5°	104.3	104.9	103.8	104.3	104.9	102.1	98.1	93.1	85.7	79.0	71.6
7.5°	139.9	141.6	138.7	138.2	136.5	132.0	126.3	118.4	110.5	101.5	90.8
10°	178.8	178.2	174.8	170.9	169.8	164.1	156.8	149.5	137.6	126.3	115.1
12.5°	215.4	214.9	212.1	209.2	207.6	200.2	191.2	182.7	170.3	155.7	141.6
15°	253.8	254.4	251.5	249.9	246.5	239.1	231.8	219.4	207.0	190.1	173.1
17.5°	292.2	293.3	290.5	289.3	286.5	280.3	270.7	257.7	242.0	222.2	200.8
20°	334.5	335.6	333.9	329.9	326.6	319.8	311.3	295.0	277.5	257.2	229.5
22.5°	379.6	380.1	375.1	373.9	370.6	364.3	351.9	337.3	317.5	291.6	262.8
25°	424.1	424.1	423.0	421.9	416.8	409.5	397.1	379.0	357.0	329.4	295.5
27.5°	472.1	472.6	469.8	468.7	464.7	455.2	442.2	422.4	399.9	366.6	328.3
30°	522.8	522.3	519.4	517.2	515.5	505.9	491.2	470.9	442.7	404.4	365.5
32.5°	573.6	571.9	570.2	568.0	567.4	555.0	543.1	518.3	489.0	448.4	401.6
35°	625.5	621.5	620.4	621.0	618.1	608.0	590.5	566.3	532.4	490.1	437.1
37.5°	670.6	674.0	671.2	668.9	669.5	658.2	639.6	612.5	577.0	530.2	473.2
40°	720.8	718.5	718.5	718.5	716.8	706.7	687.0	657.1	616.5	566.8	504.8
42.5°	764.2	764.2	767.0	765.4	763.7	751.8	730.4	697.1	654.2	600.7	535.2
45°	808.8	807.7	811.0	808.8	807.7	795.2	772.7	738.3	693.2	634.5	565.7
47.5°	850.0	850.5	851.6	851.6	850.5	836.4	812.7	772.1	726.4	663.8	591.6
50°	885.5	888.3	891.7	889.4	890.6	875.3	848.8	807.7	754.6	691.5	614.8
52.5°	920.5	920.5	925.0	925.0	923.8	909.2	879.3	835.9	783.4	716.3	636.2
55°	950.3	950.9	954.9	955.4	954.9	937.9	906.4	859.5	804.8	737.2	653.7
57.5°	972.9	974.6	979.7	981.4	979.1	963.9	928.4	881.0	822.9	753.5	668.9
60°	993.2	995.5	1001.1	1003.4	1001.7	985.3	948.1	897.3	837.5	767.6	681.9
62.5°	1011.3	1011.8	1019.2	1020.3	1019.7	1002.2	962.8	909.7	849.4	778.3	693.2
65°	1024.2	1025.9	1033.8	1035.5	1034.4	1015.8	974.6	919.9	859.0	787.3	701.6
67.5°	1034.4	1035.5	1043.4	1046.2	1045.1	1025.4	983.1	926.1	864.6	793.6	708.4
70°	1040.0	1041.7	1050.7	1053.0	1051.9	1032.1	988.1	928.9	868.0	798.1	712.9
72.5°	1043.4	1045.1	1054.7	1057.5	1056.9	1036.1	990.4	930.0	869.1	800.3	716.3
75°	1045.1	1046.8	1056.4	1060.3	1058.6	1037.8	991.0	929.5	868.6	802.0	719.1
76°	1045.1	1046.2	1056.4	1060.3	1058.6	1037.8	991.0	928.4	868.0	802.6	720.2
77.5°	1044.0	1045.7	1055.8	1059.2	1058.1	1037.2	989.3	926.1	866.3	801.4	720.8
80°	1041.2	1042.8	1052.4	1056.4	1054.7	1033.3	985.3	921.6	861.8	799.2	720.8
82.5°	1034.9	1036.6	1045.7	1048.5	1047.9	1026.5	978.0	913.7	855.0	795.2	719.7
85°	1025.4	1027.1	1034.4	1037.8	1036.1	1015.8	967.3	903.0	846.6	789.0	716.3
87.5°	1012.4	1013.5	1021.4	1022.5	1022.0	1001.7	953.7	889.4	835.3	780.6	710.6
90°	996.6	997.7	1003.9	1005.6	1003.9	984.8	936.2	874.8	821.2	770.4	703.9
92.5°	980.2	979.7	984.2	985.9	984.2	965.0	918.2	857.3	806.5	759.1	695.4
95°	961.1	962.2	963.3	964.4	962.2	943.6	897.9	838.1	790.7	746.7	687.5
97.5°	939.6	939.1	940.2	940.2	937.9	919.3	874.8	819.5	772.7	733.2	676.8
100°	917.1	916.5	915.4	913.1	910.9	892.8	851.6	796.4	754.1	716.8	666.1
102.5°	892.3	888.9	885.5	884.9	879.8	864.6	825.1	774.4	734.3	701.6	652.6
105°	861.8	860.7	855.6	851.1	848.3	831.3	795.2	750.1	713.5	683.0	637.9
107.5°	830.8	828.5	821.2	819.5	813.9	798.6	765.9	725.9	692.6	664.4	620.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	797.5	796.4	788.5	*783.4*	778.9	762.0	733.8	699.9	669.5	643.5	600.7
112.5°	760.3	759.1	750.7	*746.7*	740.0	727.0	700.5	670.0	644.1	620.4	579.2
115°	722.5	721.9	712.3	*707.3*	701.1	685.3	663.8	640.1	617.0	593.3	553.3
117.5°	684.7	681.9	672.3	*666.1*	659.9	645.8	628.3	609.7	588.3	566.3	526.8
120°	641.8	641.3	630.6	*625.5*	619.8	606.9	591.6	574.2	557.2	535.2	500.3
122.5°	600.7	600.1	590.5	*584.3*	577.0	566.8	554.4	540.9	525.7	504.2	469.8
125°	558.9	557.8	547.6	*541.4*	535.2	526.8	514.9	505.3	492.9	472.6	439.9
127.5°	516.6	514.4	508.2	*502.0*	495.2	484.5	480.5	472.1	458.5	438.8	410.0
130°	477.1	476.0	467.6	*461.9*	455.2	446.7	443.3	436.5	427.0	408.9	381.8
132.5°	436.0	434.8	429.8	*424.1*	418.5	410.0	408.3	402.1	392.5	377.9	352.5
135°	399.3	398.2	392.5	*386.3*	383.5	377.3	375.1	370.0	361.0	346.3	324.3
137.5°	363.8	363.2	357.6	*352.5*	349.1	344.6	342.4	337.8	331.1	318.1	297.8
140°	331.6	328.8	324.3	*319.8*	316.4	311.9	310.8	306.8	301.7	289.3	274.7
142.5°	299.5	297.8	294.4	*290.5*	288.2	283.1	280.3	278.6	271.8	262.3	250.4
145°	267.9	267.9	265.1	*262.3*	258.9	255.5	253.2	251.5	245.9	237.4	226.2
147.5°	241.4	241.4	239.1	*238.0*	235.2	230.7	229.0	227.3	222.2	215.4	206.4
150°	218.8	217.7	216.0	*214.3*	212.1	208.1	205.3	203.6	199.7	194.6	186.1
152.5°	196.3	196.3	195.1	*192.9*	191.2	188.4	186.1	183.9	181.0	175.4	168.6
155°	177.1	177.1	175.4	*174.3*	173.1	170.9	168.6	166.4	163.0	158.5	153.4
157.5°	161.3	161.3	160.2	*159.6*	157.4	156.2	154.0	151.7	148.3	144.4	139.9
160°	146.6	147.2	146.6	*146.1*	144.4	142.7	140.4	138.2	135.4	132.0	128.6
162.5°	134.8	135.4	134.2	*133.7*	132.5	130.8	128.6	127.5	125.2	121.3	117.9
165°	124.6	124.6	124.1	*123.5*	123.0	120.7	119.6	118.4	116.2	113.4	110.5
167.5°	116.7	116.7	116.2	*116.2*	115.1	113.9	112.2	111.1	108.9	107.2	103.8
170°	110.0	110.0	109.4	*108.9*	108.3	107.2	106.0	104.3	103.2	101.0	99.3
172.5°	104.3	104.3	103.8	*103.2*	103.2	101.5	101.0	99.8	98.7	97.0	95.3
175°	99.8	99.3	99.3	*98.7*	98.1	97.0	96.4	95.9	94.8	94.2	93.1
177.5°	95.9	95.9	95.3	*95.3*	94.8	93.6	93.6	93.1	92.5	91.9	91.4
180°	90.8	90.8	90.8	*90.8*	90.8	90.8	90.8	90.8	90.8	90.8	90.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
2.5°	61.5	59.8	55.3	51.3	48.5	44.6	41.2	40.0	39.5	38.9	38.9
5°	67.7	64.3	56.4	49.1	42.3	36.7	31.6	26.5	22.6	20.3	19.2
7.5°	85.2	81.2	70.5	60.9	51.3	42.9	34.4	28.2	22.6	19.2	19.2
10°	108.3	102.6	89.1	75.6	63.7	51.3	41.2	32.7	27.6	24.8	24.8
12.5°	132.5	125.2	109.4	91.9	75.6	61.5	49.1	40.0	34.4	32.1	32.1
15°	161.3	151.7	131.4	109.4	89.7	72.8	58.7	48.5	41.7	38.9	38.4
17.5°	188.9	176.5	152.3	127.5	103.8	83.5	67.1	54.1	46.8	42.9	42.3
20°	218.3	203.0	174.3	143.8	116.7	91.9	72.2	58.1	48.5	44.0	43.4
22.5°	245.3	229.0	194.6	159.0	126.9	98.1	75.0	58.7	47.9	42.9	42.3
25°	276.4	257.7	217.1	175.4	137.6	103.2	77.3	58.7	47.4	41.7	41.2
27.5°	307.9	285.9	240.3	191.8	147.2	108.9	79.0	58.7	46.2	40.6	40.0
30°	341.2	317.0	262.3	208.7	157.4	113.4	80.7	58.1	45.7	39.5	38.9
32.5°	375.1	346.9	286.5	225.0	167.5	117.9	81.8	58.1	44.6	38.9	37.8
35°	409.5	376.8	310.8	242.0	176.5	121.8	82.3	57.5	44.0	37.8	37.2
37.5°	439.9	406.1	333.3	257.2	185.0	124.6	82.9	57.0	43.4	37.2	36.7
40°	470.9	434.3	354.8	270.7	191.2	126.3	82.3	56.4	42.3	36.7	36.1
42.5°	499.1	459.7	374.5	283.7	196.8	128.0	81.8	55.3	41.7	36.1	35.5
45°	526.2	484.5	393.1	295.0	201.9	128.6	80.7	54.7	41.2	36.1	35.5
47.5°	551.0	505.9	411.2	305.7	206.4	128.6	80.1	53.6	41.2	36.1	35.5
50°	571.9	527.3	425.8	315.3	209.2	128.0	79.0	53.0	41.2	36.1	35.5
52.5°	592.2	544.8	440.5	322.6	210.9	126.9	77.3	52.5	41.2	36.7	36.1
55°	608.6	560.6	452.9	330.5	212.6	125.8	76.1	51.9	41.2	36.7	36.7
57.5°	622.7	573.6	462.5	335.6	212.6	123.5	75.0	51.9	41.7	37.8	37.2
60°	636.2	585.4	472.6	340.1	212.6	121.8	73.9	51.9	42.3	38.4	37.8
62.5°	645.2	595.0	480.5	344.0	211.5	120.1	72.8	51.9	42.9	39.5	38.9
65°	654.2	604.0	487.9	347.4	210.9	118.4	72.8	52.5	44.0	41.2	40.6
67.5°	661.0	611.4	492.9	349.7	209.8	116.7	72.2	53.6	45.7	42.9	42.3
70°	666.7	617.0	499.1	351.4	208.7	115.6	72.8	55.3	47.4	44.6	44.6
72.5°	671.2	622.1	502.5	353.1	207.6	115.1	73.9	57.0	50.2	47.4	46.8
75°	*674.0*	*624.9*	*505.9*	*353.6*	*206.4*	*114.5*	*75.0*	*59.2*	*52.5*	*50.2*	*49.6*
76°	674.5	626.0	507.0	354.2	205.9	114.5	75.6	59.8	53.6	51.3	50.8
77.5°	676.2	627.7	508.2	354.2	205.3	114.5	76.7	61.5	55.3	53.0	53.0
80°	677.4	628.9	509.9	354.8	204.2	114.5	78.4	64.3	58.7	56.4	55.8
82.5°	676.8	629.4	510.4	353.6	203.6	115.1	80.7	67.1	62.0	59.8	59.2
85°	674.5	627.7	509.3	351.9	201.9	116.2	82.9	70.5	64.9	62.6	62.6
87.5°	670.6	623.8	506.5	349.7	200.8	116.7	85.2	73.3	68.2	66.0	66.0
90°	665.0	619.3	503.1	347.4	199.1	117.3	88.0	76.1	71.6	69.9	69.4
92.5°	658.2	613.6	498.6	344.0	198.0	118.4	90.2	79.5	75.0	72.8	72.8
95°	651.4	607.4	493.5	340.1	196.8	120.1	92.5	82.3	77.8	76.1	76.1
97.5°	641.8	599.0	486.7	335.6	195.1	120.7	95.3	85.2	81.2	79.0	79.0
100°	630.0	589.4	478.8	331.1	194.0	122.4	97.6	88.0	84.0	82.3	81.8
102.5°	618.1	578.1	470.4	326.0	192.3	123.0	99.8	90.8	86.3	84.6	84.6
105°	604.6	565.7	459.7	319.2	190.6	124.1	101.5	92.5	88.5	86.9	86.3
107.5°	588.8	549.9	448.9	313.0	188.9	125.2	103.2	94.2	90.2	88.5	88.0

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

Scaled Data Report

REPORT NUMBER: P1045926
CATALOG NUMBER: FFX-CLB-50-727-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	570.8	535.2	436.0	306.3	187.8	126.9	104.9	95.3	91.4	89.1	89.1
112.5°	549.9	514.4	421.9	298.4	187.8	129.2	106.0	96.4	91.9	89.7	89.7
115°	525.1	492.4	405.0	291.0	187.2	131.4	108.3	97.0	91.9	90.2	89.7
117.5°	500.8	469.3	388.0	283.7	188.9	135.4	110.5	98.1	91.9	89.7	89.7
120°	473.8	445.0	370.6	276.4	191.2	139.3	113.4	98.7	91.9	89.1	89.1
122.5°	445.6	419.1	353.6	269.6	192.9	143.8	115.6	99.8	91.4	88.5	88.0
125°	419.1	392.5	334.5	262.8	194.6	147.8	118.4	100.4	90.8	87.4	86.9
127.5°	389.7	369.4	317.5	255.5	195.7	151.2	120.7	101.0	90.2	86.3	85.7
130°	364.3	344.6	300.6	247.6	194.6	152.3	121.3	100.4	89.1	85.2	85.2
132.5°	336.1	320.4	282.0	237.4	191.8	152.3	121.8	100.4	88.5	84.6	84.0
135°	311.3	296.7	264.5	226.2	186.7	150.0	120.7	99.8	88.0	84.0	83.5
137.5°	288.2	274.1	245.9	214.3	179.4	146.1	118.4	98.7	87.4	83.5	82.9
140°	263.4	253.2	229.0	201.3	171.5	141.6	115.6	97.6	87.4	83.5	82.9
142.5°	240.8	232.4	210.4	187.2	161.3	134.8	112.2	95.9	86.9	83.5	82.9
145°	220.5	210.9	194.0	173.1	151.2	128.6	108.9	94.8	86.3	83.5	82.9
147.5°	200.8	192.3	178.2	160.2	142.1	122.4	105.5	93.1	86.3	83.5	82.9
150°	181.0	175.4	163.0	148.3	132.0	116.2	102.1	91.9	86.3	84.0	83.5
152.5°	164.1	160.2	149.5	137.6	123.5	110.0	98.7	90.8	86.3	84.0	84.0
155°	150.0	146.1	137.1	126.3	116.2	104.9	96.4	89.7	86.3	84.6	84.0
157.5°	135.9	133.1	125.8	117.9	109.4	101.0	94.2	89.1	86.3	84.6	84.6
160°	125.2	122.4	116.7	110.5	103.8	97.6	91.9	88.0	86.3	85.2	85.2
162.5°	116.2	113.9	109.4	104.3	99.3	94.2	90.2	87.4	86.3	85.2	85.2
165°	108.9	107.2	103.2	99.3	95.9	91.9	89.1	87.4	86.3	85.7	85.7
167.5°	102.6	101.5	98.7	95.9	93.1	90.2	88.0	86.9	86.3	86.3	86.3
170°	98.1	97.0	95.3	93.1	90.8	89.1	87.4	86.9	86.9	86.3	86.9
172.5°	94.8	94.2	92.5	90.8	89.7	88.0	87.4	86.9	87.4	87.4	87.4
175°	92.5	91.9	90.8	89.7	89.1	88.0	88.0	87.4	88.0	88.5	88.5
177.5°	90.8	90.2	89.7	89.7	89.1	88.5	88.5	89.1	89.7	89.7	89.7
180°	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8

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

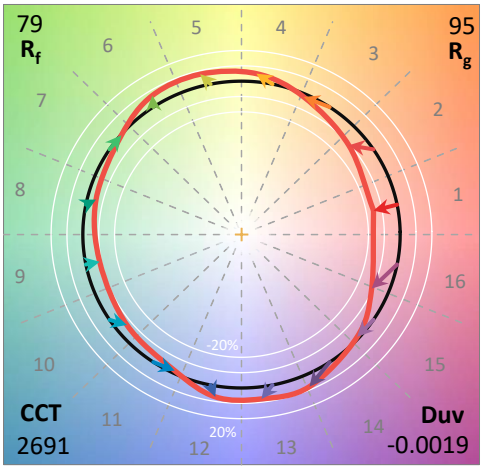
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

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

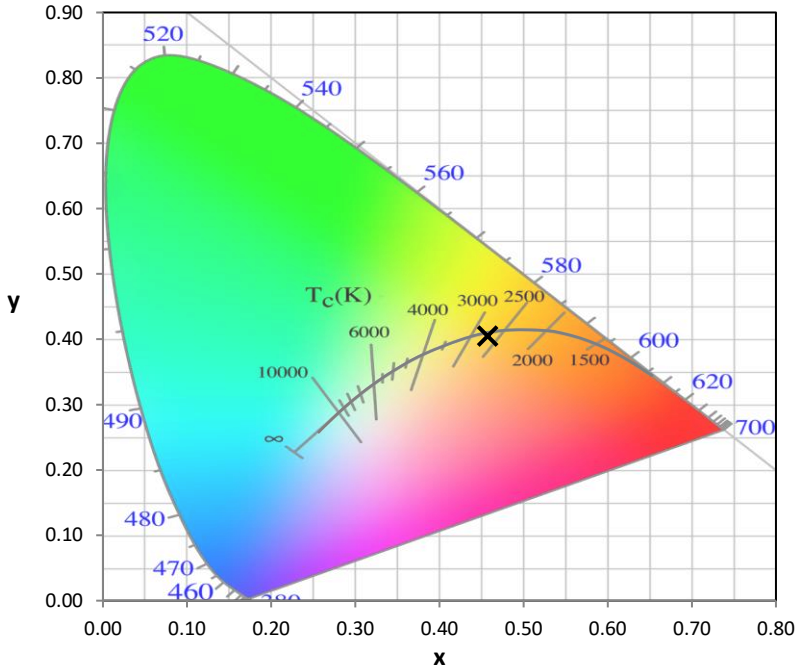
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

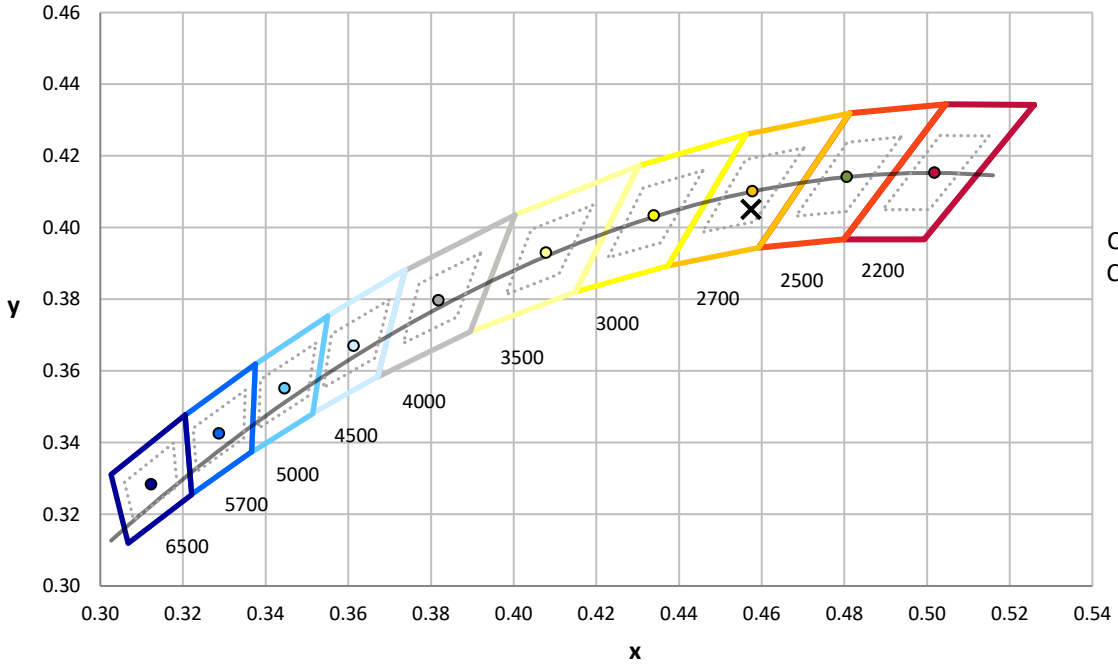
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

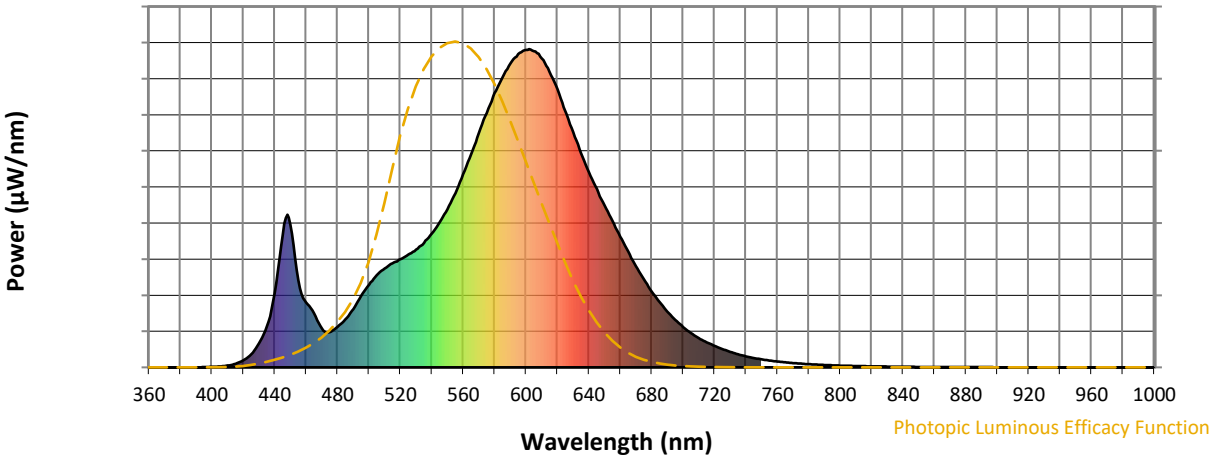


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

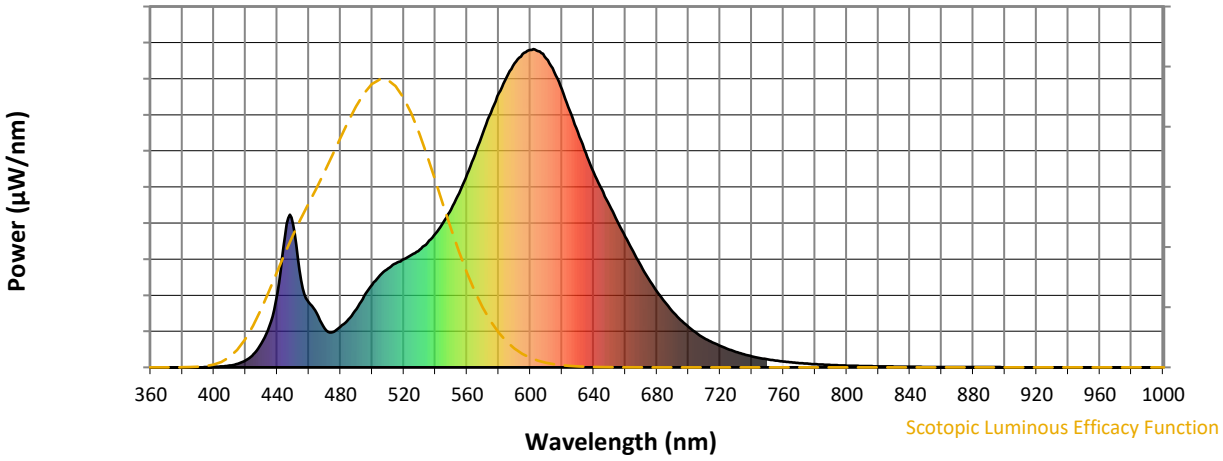


Photopic Lumens: NR

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

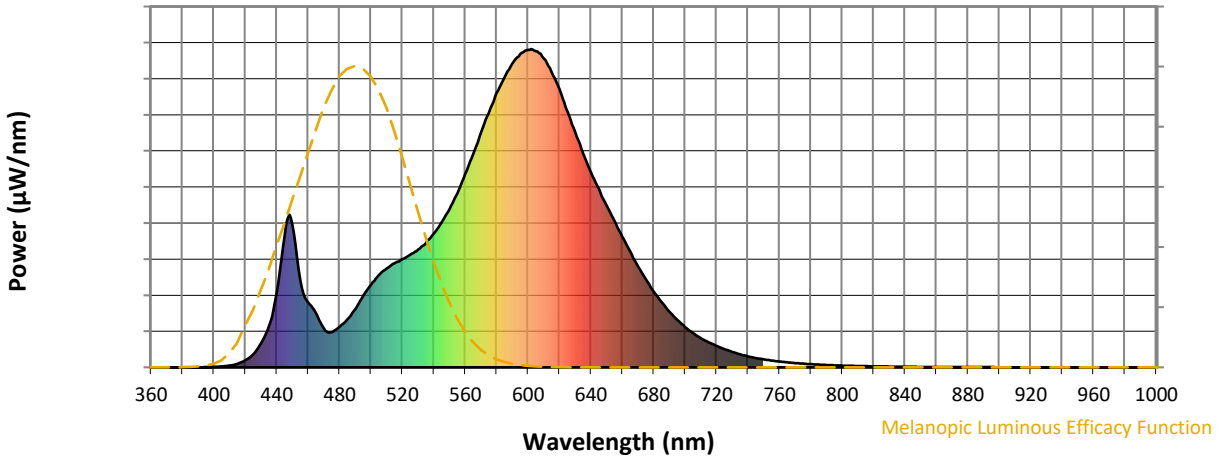


Scotopic Lumens: NR **S/P: 1.18**

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			

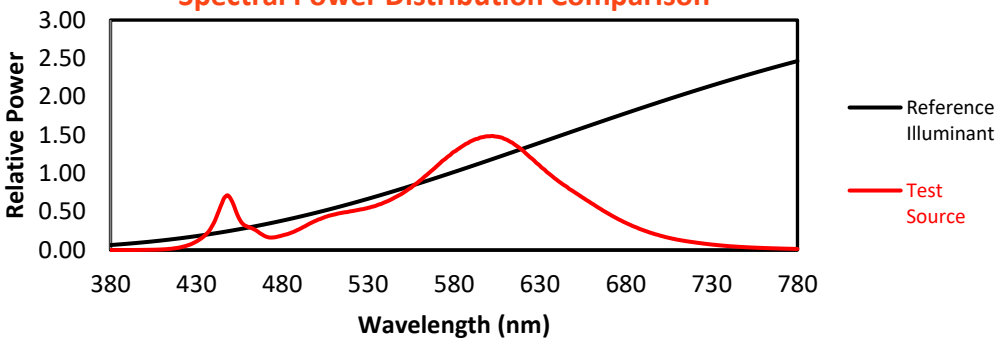
REPORT NUMBER: SP1-2501-332-8

TM-30-18

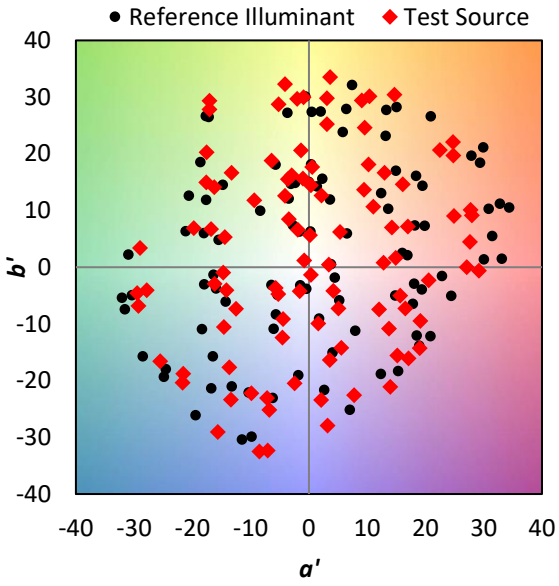
Summary

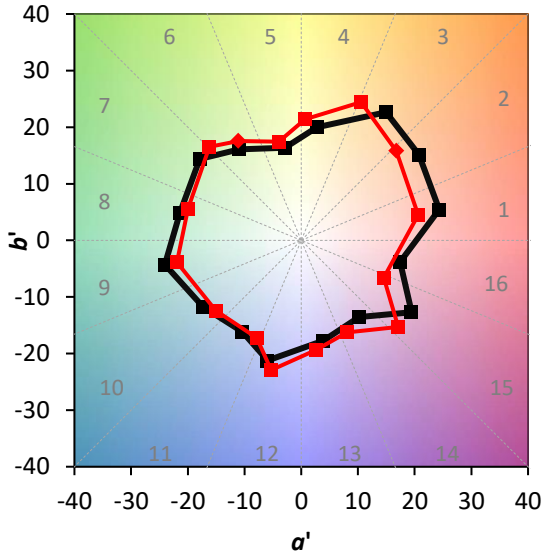
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

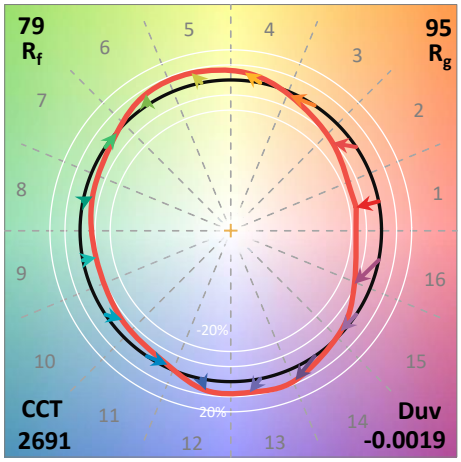
Spectral Power Distribution Comparison

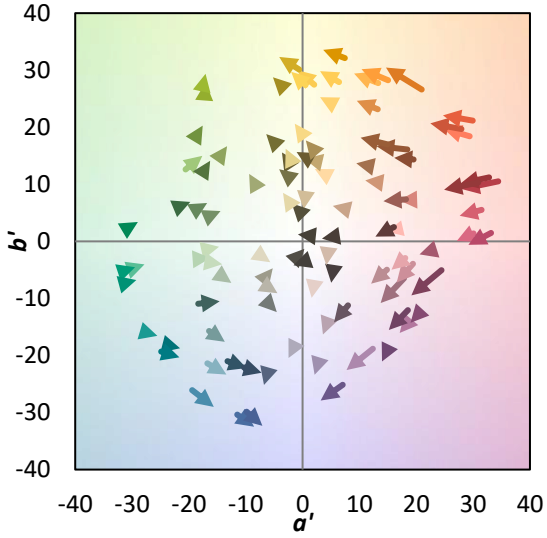


Color Vector Graphics







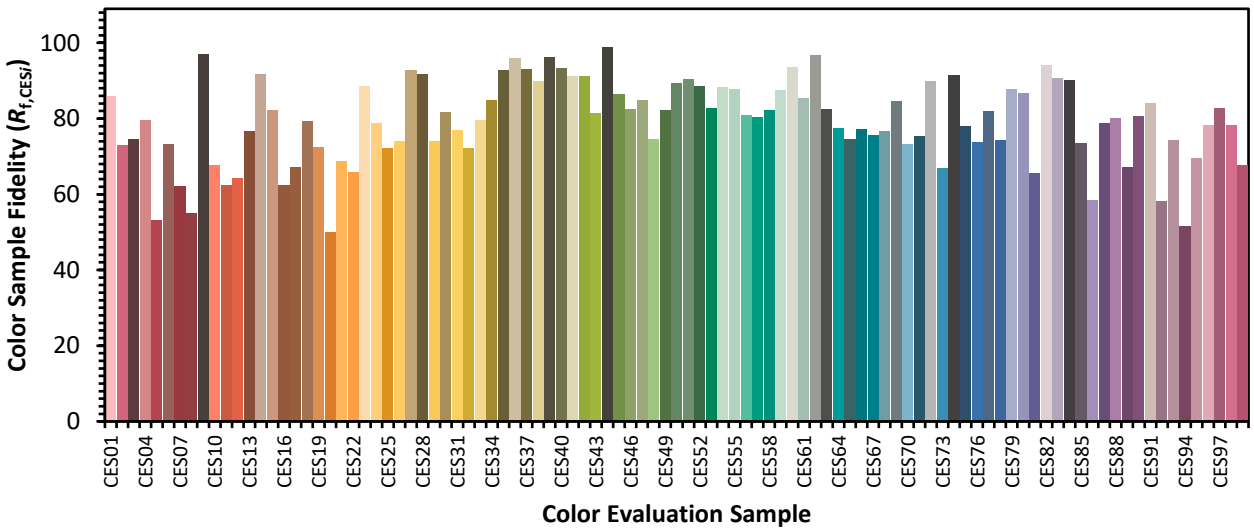


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

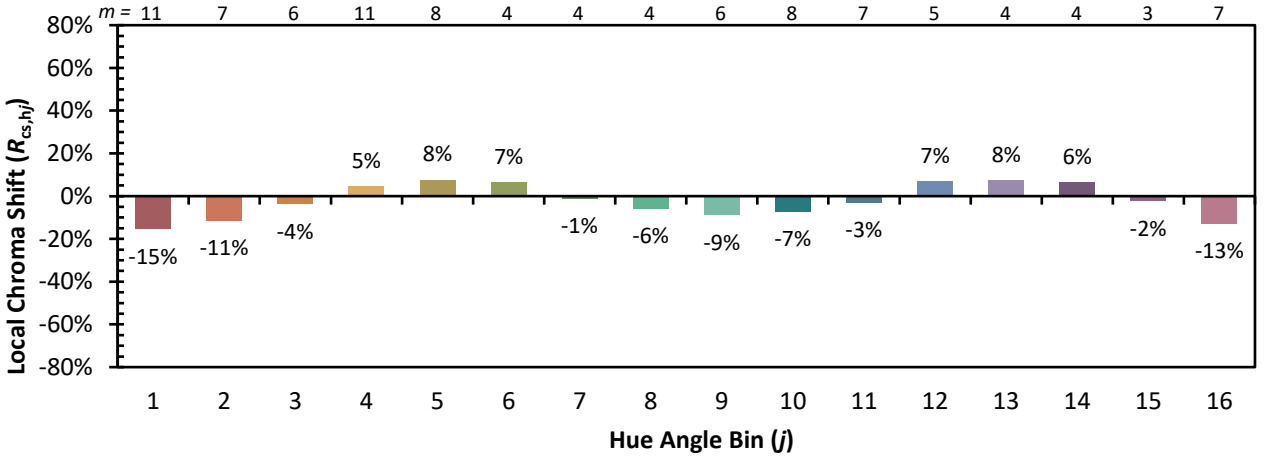
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 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	

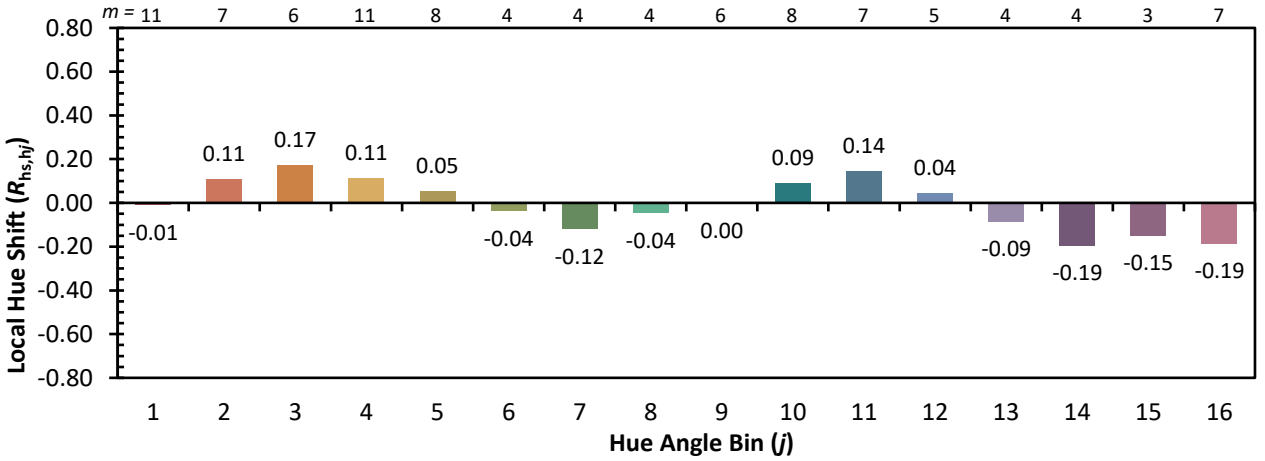


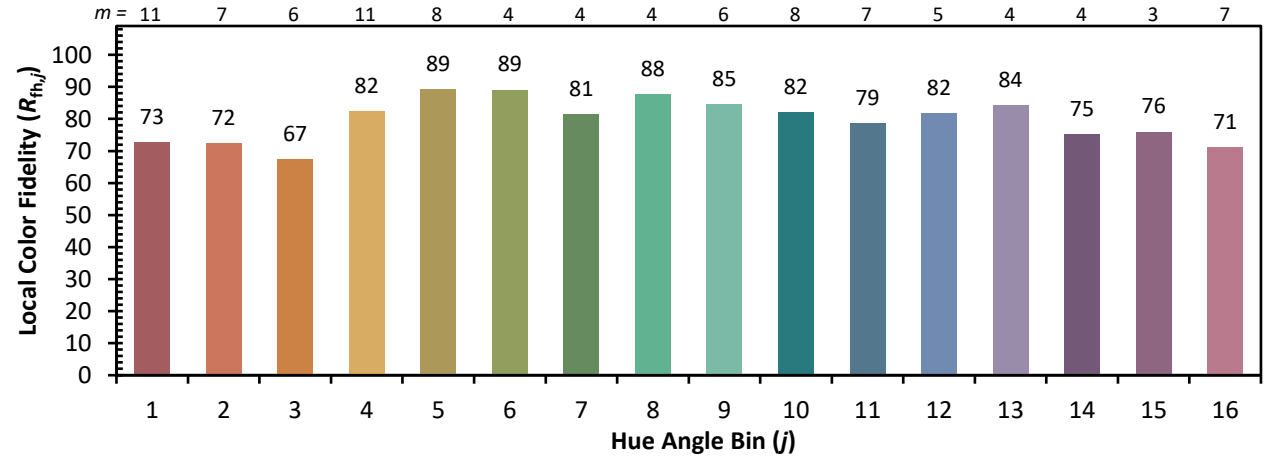
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Color Rendition by Hue-Angle Bin



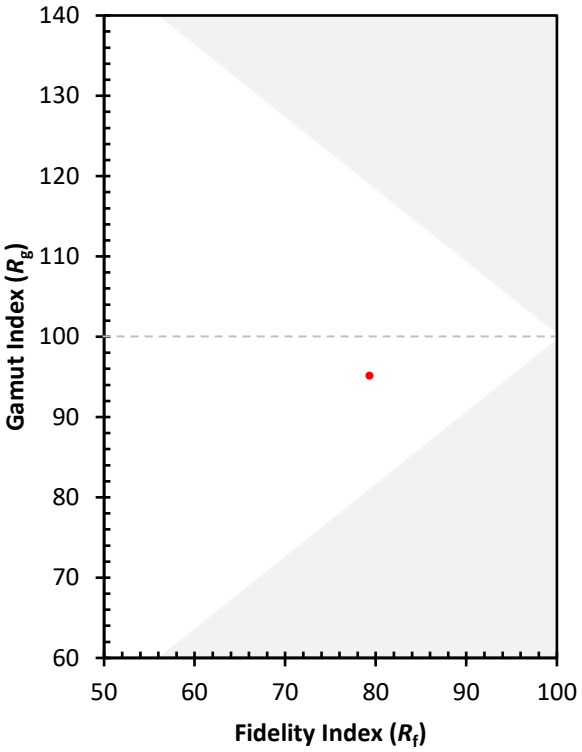


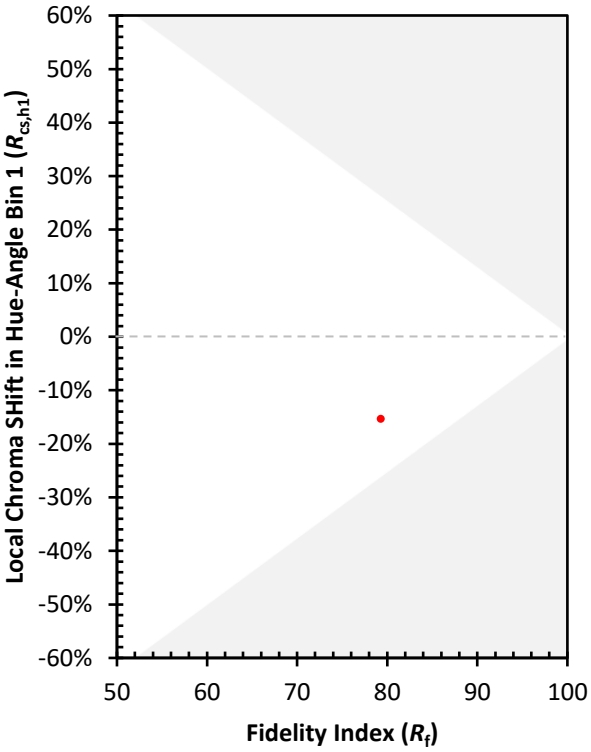


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Measure Comparisons





(END OF REPORT)