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: P1046196

Luminaire Tested: **FFX-CLB-50-727-U-FR-T4-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046196
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-FR-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6912 lumens
Efficiency:	N/A
Efficacy:	136.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U5 - G3

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

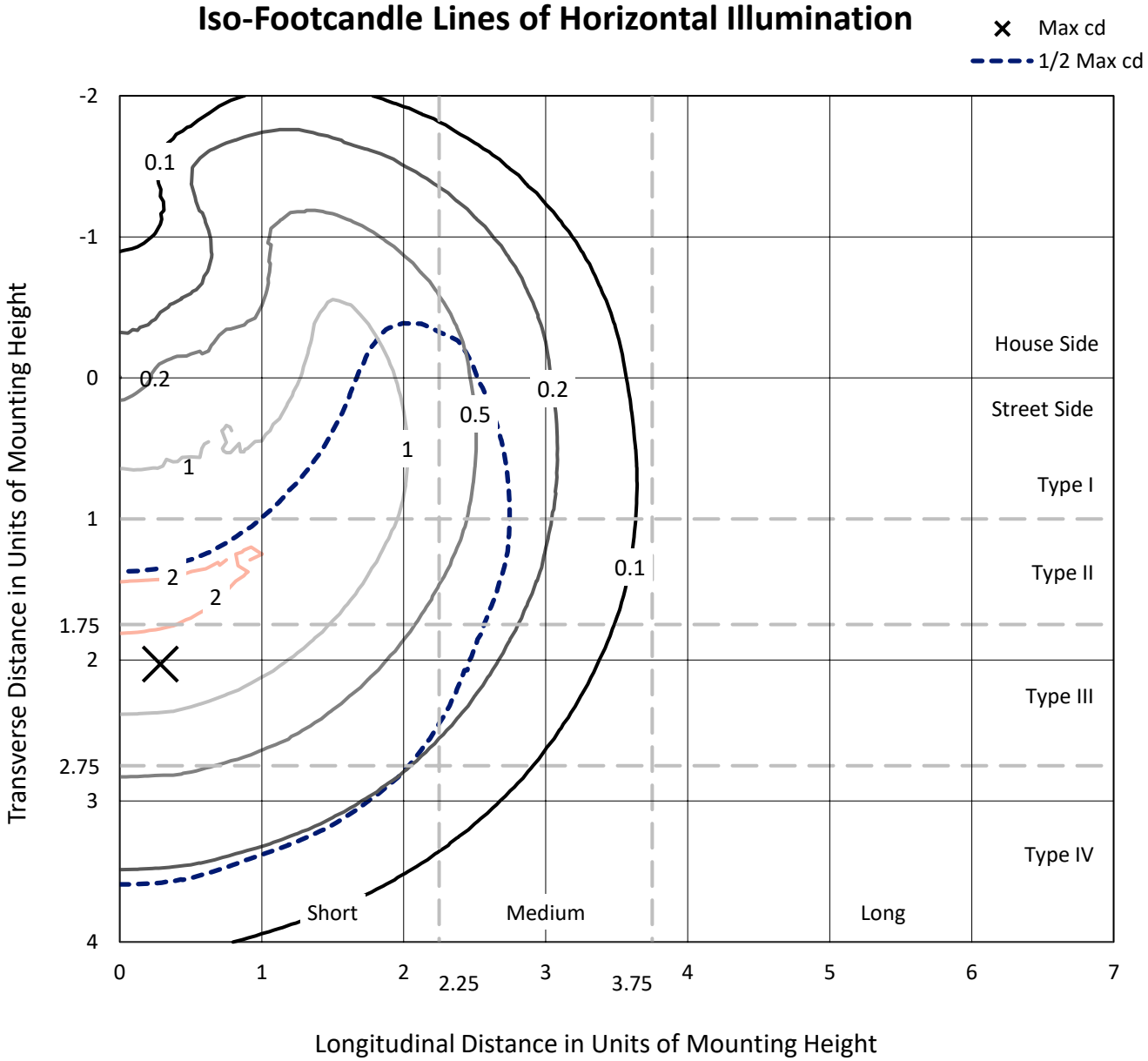


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Iso-Footcandle Lines of Horizontal Illumination



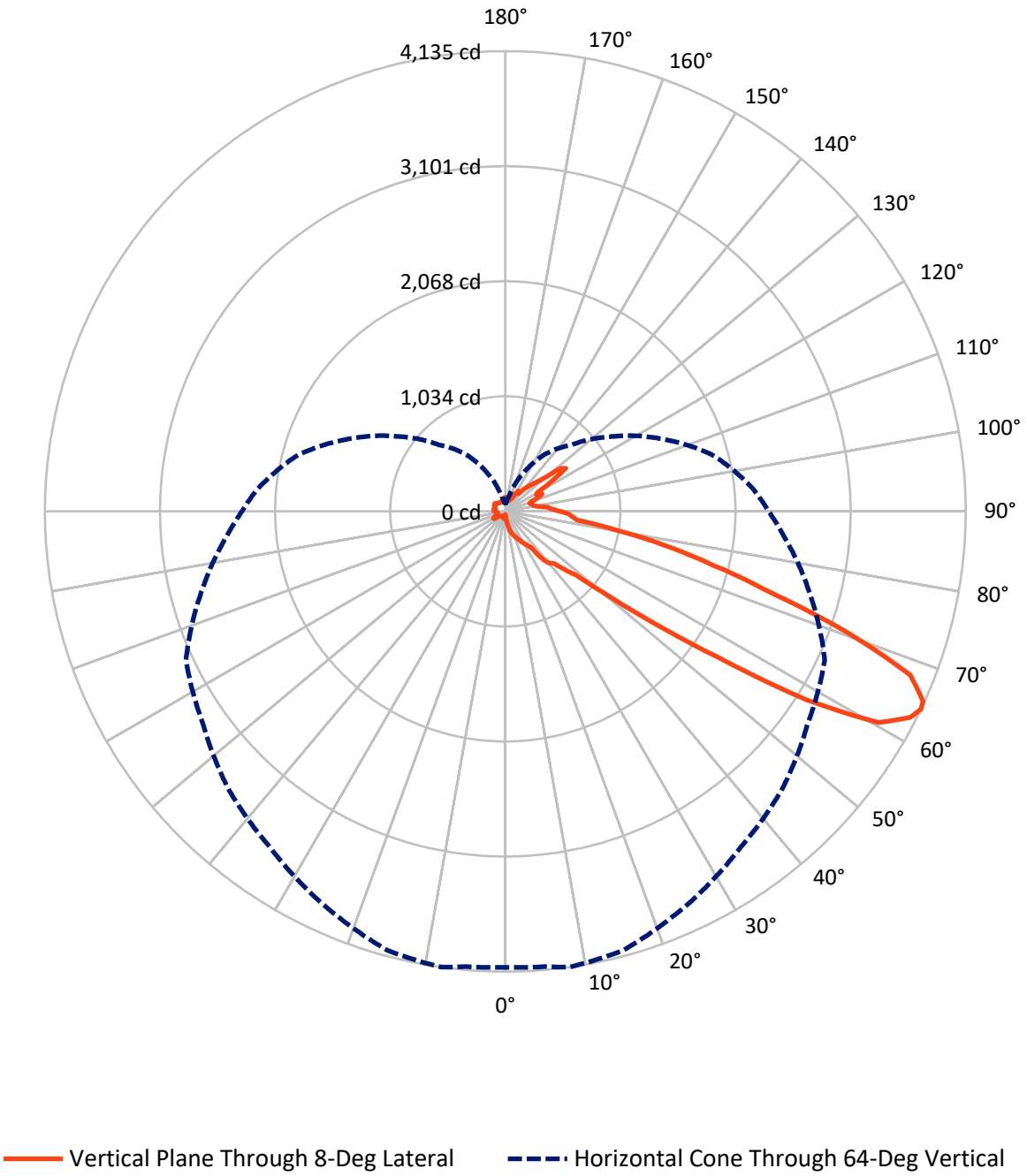
Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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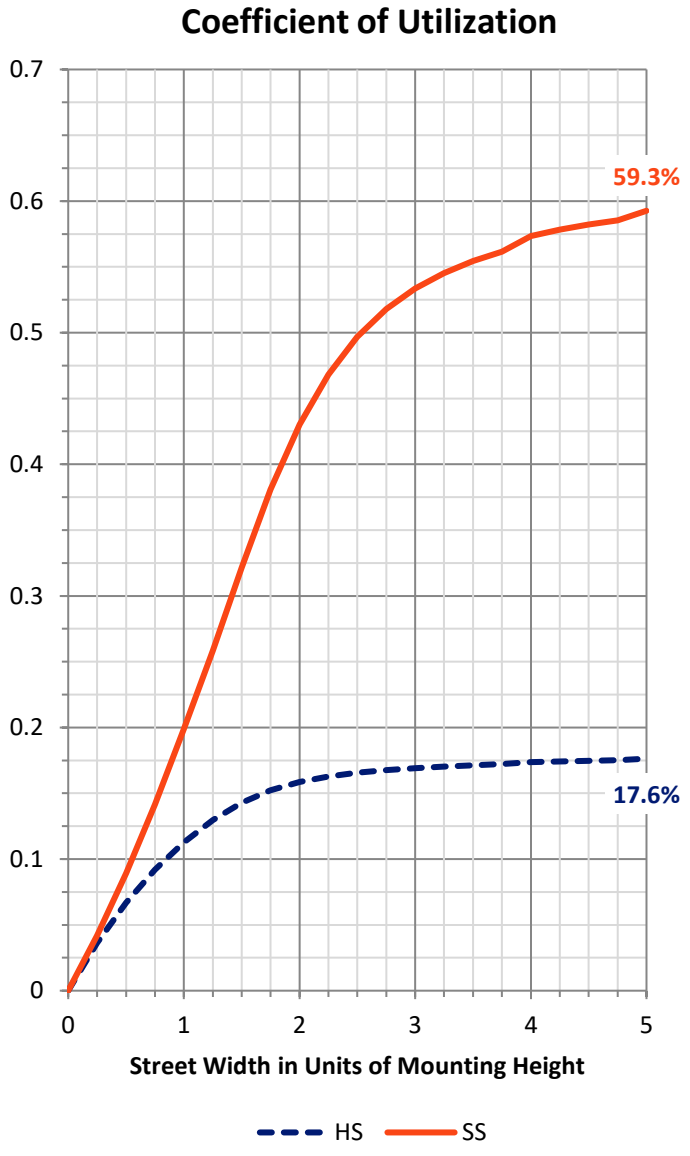
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1264.1	472.2	1736.3
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	4271.6	904.2	5175.7
	% Fixture	61.8	13.1	74.9
Total	Lumens	5535.7	1376.4	6912.0
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	38.1	0.6
20°-30°	82.6	1.2
30°-40°	165.1	2.4
40°-50°	357.4	5.2
50°-60°	1239.0	17.9
60°-70°	2084.1	30.2
70°-80°	1133.3	16.4
80°-90°	429.0	6.2
90°-100°	270.7	3.9
100°-110°	182.6	2.6
110°-120°	197.6	2.9
120°-130°	325.1	4.7
130°-140°	200.3	2.9
140°-150°	104.7	1.5
150°-160°	54.5	0.8
160°-170°	29.7	0.4
170°-180°	11.2	0.2
0°-90°	5535.7	80.1
0°-180°	6912.0	100.0



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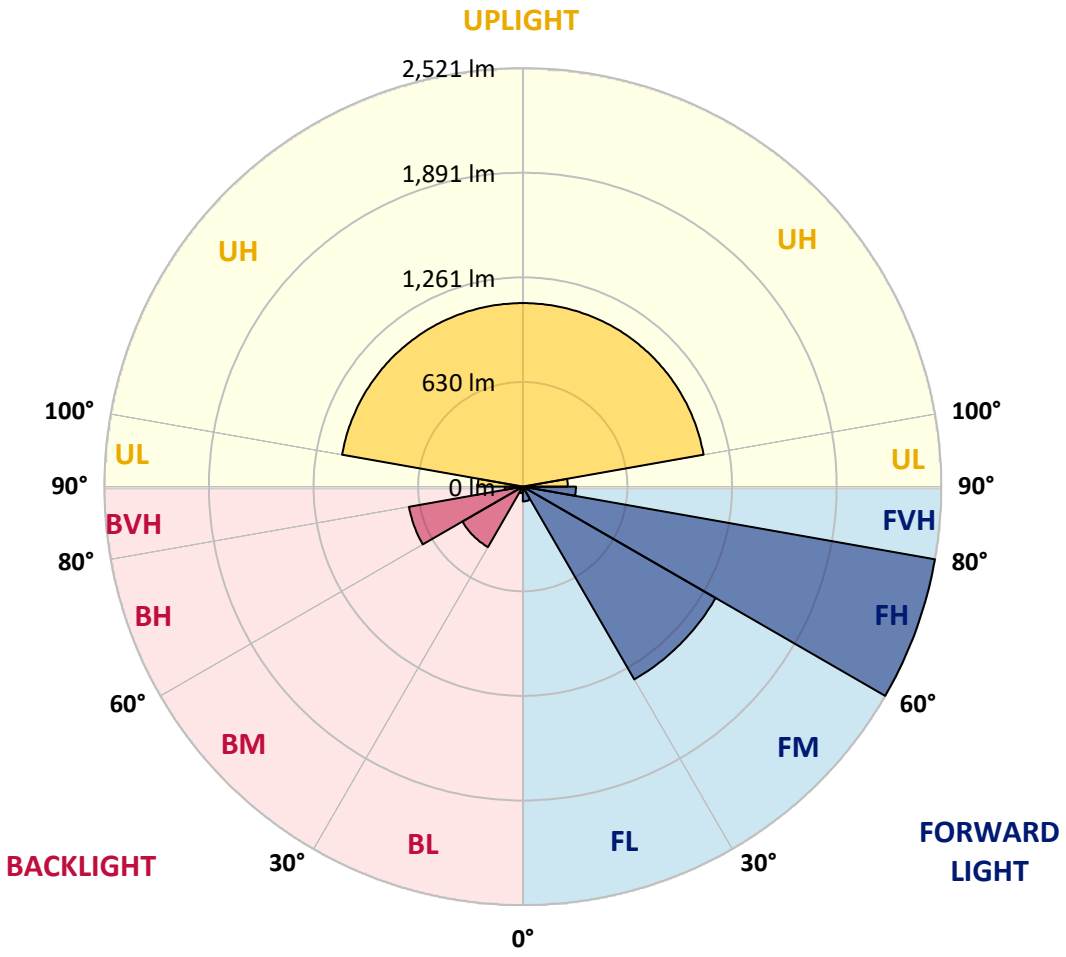
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	88.9	1.3			
FM	(30°-60°)	1341.4	19.4			
FH	(60°-80°)	2521.2	36.5			G2/5000
FVH	(80°-90°)	320.0	4.6			G3/500
BL	(0°-30°)	38.8	0.6	B0/110		
BM	(30°-60°)	420.2	6.1	B1/1000		
BH	(60°-80°)	696.1	10.1	B2/1000		G2/1000
BVH	(80°-90°)	109.0	1.6			G2/225
UL	(90°-100°)	270.7	3.9		U3/500	
UH	(100°-180°)	1105.7	16.0		U5	

BUG Rating: B2-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
0°	44.4	44.4	*44.4*	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
2.5°	48.3	48.3	*48.3*	49.7	50.7	51.1	49.7	48.7	48.3	47.8	46.3
5°	69.3	69.8	*69.8*	71.2	70.2	71.2	69.3	67.9	65.5	62.6	60.2
7.5°	98.0	98.0	*97.5*	98.0	97.5	95.6	95.6	97.0	93.2	87.4	82.2
10°	132.8	133.8	*133.3*	131.4	128.5	126.1	126.1	128.1	122.3	112.3	104.6
12.5°	168.2	170.1	*168.2*	168.7	163.9	162.0	158.2	157.2	149.6	140.0	126.6
15°	194.5	195.9	*196.4*	197.8	197.3	191.1	184.4	177.3	171.1	162.5	148.6
17.5°	215.5	216.0	*216.9*	216.5	213.6	207.4	199.7	192.1	182.1	173.0	160.1
20°	236.0	238.0	*237.5*	237.0	235.6	230.8	221.7	210.7	202.1	188.7	175.4
22.5°	257.1	255.6	*256.6*	256.1	256.1	251.3	241.8	228.9	217.4	204.0	192.1
25°	281.4	281.0	*281.4*	280.0	278.1	275.7	263.8	249.0	236.0	222.2	205.5
27.5°	307.2	307.7	*308.2*	305.8	303.4	299.6	282.4	267.6	253.7	236.5	213.1
30°	335.9	334.5	*335.0*	331.6	330.2	318.2	301.5	283.8	268.5	245.6	222.7
32.5°	362.2	359.8	*359.3*	356.5	354.1	336.9	319.7	302.5	284.3	260.9	240.8
35°	399.0	403.8	*401.9*	401.9	408.1	381.8	361.7	345.0	325.4	301.0	280.0
37.5°	549.0	548.1	*542.3*	534.7	513.2	494.6	485.5	459.2	427.7	400.9	367.5
40°	621.7	618.8	*612.6*	597.3	582.0	560.0	546.2	529.9	513.7	466.4	412.8
42.5°	638.9	636.5	*637.9*	656.1	676.1	659.9	605.9	547.1	518.4	486.4	459.7
45°	733.0	741.1	*743.5*	743.0	728.7	711.5	688.1	652.7	603.0	557.6	501.7
47.5°	852.5	851.5	*857.2*	849.6	861.5	831.4	801.3	764.5	712.9	651.3	584.4
50°	1165.0	1154.9	*1156.4*	1159.2	1141.1	1119.1	1091.8	1071.3	970.5	883.0	781.3
52.5°	1661.4	1662.9	*1652.3*	1651.9	1597.9	1555.3	1507.6	1509.5	1361.3	1243.8	1096.6
55°	2335.2	2336.1	*2298.4*	2329.4	2268.7	2263.0	2157.4	2021.2	1822.0	1661.9	1513.8
57.5°	3174.2	3202.9	*3199.6*	3144.1	3051.4	3001.3	2830.7	2687.8	2405.9	2154.5	1953.4
60°	3889.1	3875.7	*3853.7*	3811.7	3534.0	3417.5	3291.8	3169.9	2936.3	2588.4	2287.4
62.5°	4093.1	4083.1	*4079.3*	4058.2	3838.9	3646.8	3488.7	3289.4	3133.1	2792.0	2485.2
64°	*4096.5*	*4105.5*	*4135.2*	*4085.0*	*3890.0*	*3685.0*	*3521.1*	*3317.6*	*3165.6*	*2829.2*	*2509.1*
65°	4088.8	4086.9	*4124.2*	4060.6	3887.6	3683.1	3501.1	3306.1	3155.6	2819.2	2502.9
67.5°	3883.8	3875.7	*3923.5*	3841.8	3690.8	3506.3	3327.6	3118.3	2986.0	2663.0	2356.7
70°	3187.1	3186.7	*3261.2*	3192.9	3148.0	2952.5	2770.0	2577.9	2436.5	2171.3	1915.1
72.5°	2442.2	2437.9	*2487.6*	2436.5	2413.5	2321.3	2150.7	1981.1	1846.3	1647.6	1440.2
75°	1946.2	1948.1	*1921.8*	1871.7	1853.0	1811.9	1736.0	1634.7	1521.9	1341.3	1150.1
77.5°	1457.4	1447.8	*1459.3*	1389.1	1383.8	1371.4	1370.9	1305.9	1210.3	1095.2	943.7
80°	971.4	977.2	*997.7*	979.1	984.3	980.0	1006.8	938.0	865.4	797.5	716.7
82.5°	628.3	643.6	*649.4*	675.2	697.6	707.7	670.9	601.6	556.2	531.3	495.5
85°	603.0	609.2	*605.9*	590.6	583.0	570.5	570.1	548.1	524.7	476.9	418.6
87.5°	556.2	563.4	*560.5*	547.1	529.9	528.5	525.1	509.8	498.9	461.1	409.5
90°	474.5	475.0	*477.4*	475.0	471.6	469.2	450.1	441.0	434.3	401.9	367.0
92.5°	411.4	417.1	*415.7*	411.4	400.4	407.1	386.6	369.4	365.5	343.1	316.3
95°	378.0	381.8	*382.7*	375.1	364.6	362.2	346.4	333.0	326.8	312.0	279.5
97.5°	313.5	311.1	*309.2*	307.2	300.1	292.4	282.4	265.7	260.4	244.2	226.0
100°	267.6	268.5	*267.6*	266.2	259.9	256.1	249.0	235.6	229.8	219.3	206.9
102.5°	255.2	255.6	*255.6*	256.1	245.6	237.0	229.4	219.8	214.5	205.5	193.5
105°	243.7	243.7	*244.6*	245.1	234.6	222.2	211.2	205.9	203.6	193.0	180.6
107.5°	229.4	228.9	*230.3*	224.1	213.6	208.3	196.9	190.7	189.7	181.6	168.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	250.4	245.1	*244.2*	228.9	214.5	202.6	196.9	191.1	187.8	176.8	168.7
112.5°	327.8	320.6	*318.7*	304.4	254.2	249.9	244.6	242.7	240.8	226.0	212.2
115°	361.2	361.2	*367.0*	361.2	326.4	286.7	281.0	272.4	275.7	257.6	237.5
117.5°	289.1	309.2	*314.9*	297.7	299.1	273.8	234.6	221.2	214.5	209.3	218.4
120°	324.4	337.8	*332.1*	300.6	286.2	271.4	273.3	268.5	244.6	211.7	215.0
122.5°	483.6	496.0	*500.3*	502.7	509.4	499.3	476.9	445.3	421.4	381.8	359.3
125°	677.1	668.0	*667.1*	671.4	676.6	663.7	654.2	647.9	633.1	581.0	507.9
127.5°	621.7	617.4	*624.5*	623.6	636.5	614.5	610.2	613.5	607.8	578.7	536.1
130°	445.8	453.5	*458.7*	475.9	501.2	481.7	463.5	436.3	434.3	448.7	426.2
132.5°	374.1	377.5	*387.0*	409.5	428.6	420.5	393.7	367.5	365.5	377.5	375.6
135°	330.7	333.0	*334.5*	335.4	332.1	339.7	334.0	324.4	318.2	318.7	313.0
137.5°	295.3	296.3	*295.3*	287.7	278.6	277.1	291.5	292.0	286.2	276.2	268.5
140°	256.1	256.1	*252.3*	247.0	245.6	246.1	254.2	255.6	249.0	240.8	229.4
142.5°	200.2	197.8	*198.3*	206.9	222.2	218.8	208.3	195.0	193.0	202.6	198.8
145°	216.5	216.0	*214.5*	215.0	211.2	205.0	201.2	196.9	189.2	183.0	176.8
147.5°	218.4	216.5	*217.4*	215.5	213.6	210.7	209.3	211.2	209.3	205.0	196.9
150°	172.5	173.5	*174.4*	172.0	173.9	174.9	173.9	172.5	174.9	169.6	166.3
152.5°	134.7	134.3	*133.8*	134.7	134.3	136.2	136.7	136.2	135.2	134.7	129.5
155°	126.6	128.1	*127.1*	124.2	126.1	127.6	129.5	130.9	129.5	127.1	122.3
157.5°	116.6	116.6	*116.6*	116.6	117.1	117.5	119.9	120.9	120.9	119.5	116.1
160°	108.5	108.9	*108.9*	108.9	109.9	110.9	112.3	113.2	114.2	113.2	111.3
162.5°	103.7	103.2	*103.2*	103.7	103.7	105.1	106.6	108.5	108.9	108.0	108.0
165°	100.8	100.8	*100.8*	101.3	102.3	103.2	105.1	105.6	106.1	107.0	107.0
167.5°	104.2	104.2	*104.2*	104.6	105.6	107.0	108.0	108.9	110.9	111.3	111.3
170°	109.4	109.4	*109.4*	109.9	110.4	110.9	111.3	112.3	112.8	113.7	113.2
172.5°	114.7	114.2	*114.7*	114.7	114.7	114.7	114.7	115.2	115.6	115.6	115.6
175°	120.4	120.4	*120.9*	120.4	119.5	119.5	119.5	119.9	119.9	119.9	119.5
177.5°	126.1	126.1	*125.7*	126.1	125.7	125.2	124.7	124.2	123.3	123.3	122.3
180°	122.8	122.8	*122.8*	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
2.5°	45.4	43.5	41.1	38.2	35.4	33.4	31.5	29.1	27.7	27.2	27.2
5°	57.3	55.9	53.5	49.7	47.3	43.0	39.2	36.8	34.4	32.0	30.1
7.5°	80.3	79.8	81.2	84.1	80.3	70.2	59.7	54.0	54.5	57.3	58.8
10°	100.8	98.0	98.4	105.1	98.9	79.8	65.5	60.2	63.1	68.8	69.8
12.5°	122.3	118.0	114.7	113.2	99.4	77.9	65.0	58.8	60.2	65.0	65.0
15°	141.9	136.7	129.0	119.0	102.7	83.6	67.9	58.8	58.8	58.3	57.3
17.5°	152.9	147.2	133.3	117.5	99.9	82.7	66.4	57.3	52.6	48.7	48.3
20°	170.1	167.2	149.6	127.1	102.7	80.8	64.0	55.0	49.7	46.8	45.9
22.5°	186.8	178.7	155.8	132.8	105.1	80.3	63.1	54.5	49.7	47.3	46.3
25°	195.9	185.9	162.9	139.5	108.5	80.8	64.0	55.4	50.2	47.8	47.3
27.5°	203.1	192.6	171.1	145.7	112.8	82.7	66.9	56.9	51.1	48.3	47.8
30°	212.6	202.6	180.6	153.4	116.6	87.0	70.2	59.3	52.6	49.7	49.2
32.5°	230.8	218.4	192.6	160.1	121.4	91.3	74.5	63.1	55.0	50.7	50.7
35°	268.5	255.2	220.8	178.2	126.6	94.6	77.4	65.5	56.9	52.1	51.6
37.5°	347.9	331.1	289.1	223.1	139.5	99.4	80.8	66.9	57.8	53.5	52.6
40°	386.1	355.0	307.7	249.4	161.0	107.0	86.0	70.2	59.3	54.0	53.5
42.5°	432.4	406.6	341.6	256.1	178.7	124.7	95.1	75.0	62.1	55.0	54.5
45°	477.8	452.5	394.7	311.5	215.0	152.4	109.9	83.1	66.4	57.3	55.9
47.5°	557.2	515.6	446.3	364.6	264.7	193.0	135.2	94.6	73.6	60.2	58.3
50°	753.5	726.3	620.2	495.0	344.5	251.3	184.0	121.4	81.7	62.1	59.3
52.5°	1016.3	964.7	844.3	690.9	499.8	373.2	269.0	180.1	100.3	64.0	60.2
55°	1432.5	1352.3	1213.7	948.0	717.2	565.8	421.0	295.8	152.9	68.3	60.7
57.5°	1877.4	1804.8	1639.4	1310.2	971.9	720.6	554.3	417.6	214.5	77.9	65.9
60°	2175.1	2048.5	1859.7	1541.5	1175.0	847.2	620.2	438.2	222.7	79.8	68.8
62.5°	2345.7	2214.8	1935.7	1570.2	1211.3	875.4	648.9	401.4	177.8	77.4	71.7
64°	*2365.7*	*2239.6*	*1936.7*	*1542.9*	*1172.6*	*846.2*	*628.8*	*376.5*	*154.3*	*76.5*	*73.1*
65°	2350.0	2233.4	1913.2	1510.4	1120.5	808.5	604.9	351.7	137.1	75.5	73.6
67.5°	2196.6	2094.3	1758.9	1369.9	996.3	698.1	496.5	270.5	107.5	73.6	72.6
70°	1779.0	1732.1	1445.9	1105.2	787.5	556.7	391.3	206.9	91.3	71.7	70.7
72.5°	1334.6	1275.3	1078.9	843.4	613.5	432.9	297.2	159.1	80.8	69.8	68.8
75°	1069.9	1012.0	855.3	664.2	456.3	323.5	219.8	119.0	76.0	69.3	68.3
77.5°	884.5	838.1	703.4	505.5	324.4	231.7	161.5	97.0	74.5	69.8	68.8
80°	680.4	672.8	549.5	367.9	229.8	173.0	130.4	90.8	75.0	71.7	70.7
82.5°	477.4	458.2	388.0	273.8	198.8	158.2	125.2	92.2	78.8	76.0	75.5
85°	393.3	378.4	332.1	263.3	189.2	152.9	123.8	94.6	82.7	80.3	79.3
87.5°	389.0	372.7	328.7	251.8	179.7	145.7	118.0	92.2	82.2	80.8	81.7
90°	353.1	341.2	300.6	232.2	178.2	148.1	123.3	101.8	91.3	86.5	85.5
92.5°	309.2	302.0	273.3	225.5	184.9	156.7	134.3	112.8	103.2	100.3	98.9
95°	270.0	267.1	243.7	205.0	170.6	147.7	127.1	108.5	100.3	96.5	96.0
97.5°	221.2	217.9	199.7	174.4	149.1	130.0	114.7	100.3	94.6	94.1	93.7
100°	202.1	199.7	186.8	170.6	150.5	136.2	122.8	110.9	106.1	106.1	106.6
102.5°	186.8	185.4	173.9	157.2	141.4	128.1	117.1	106.1	100.3	100.3	97.0
105°	174.4	172.0	161.5	148.1	131.9	119.5	108.9	100.8	94.6	92.7	92.7
107.5°	163.4	160.6	152.0	139.0	127.1	115.2	105.6	98.0	93.7	92.2	92.2

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

Scaled Data Report

REPORT NUMBER: P1046196
CATALOG NUMBER: FFX-CLB-50-727-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	163.9	161.5	151.5	137.6	126.6	117.5	109.9	102.7	98.9	96.0	96.0
112.5°	201.6	191.6	173.9	153.4	141.0	129.0	117.1	107.0	102.3	101.3	100.3
115°	228.4	218.4	196.4	169.6	147.2	130.4	118.5	110.9	106.6	109.4	110.9
117.5°	229.4	211.2	169.2	156.3	140.0	126.1	118.0	113.2	110.4	113.2	113.2
120°	233.7	196.9	174.4	169.2	150.0	130.4	121.4	120.4	117.5	111.8	111.8
122.5°	347.4	313.9	278.1	232.7	193.0	174.4	158.2	130.0	116.6	110.4	109.9
125°	478.8	443.9	388.0	327.3	270.0	210.2	156.3	133.3	119.5	111.8	110.4
127.5°	508.9	481.7	408.1	335.4	254.2	195.9	156.7	137.1	123.3	115.2	113.7
130°	410.5	389.0	339.3	280.0	223.6	181.1	152.9	133.3	119.9	111.8	109.9
132.5°	365.1	345.0	296.3	242.3	198.3	165.3	140.0	120.9	107.5	101.8	101.8
135°	305.3	291.5	248.0	216.0	184.4	156.7	131.9	114.2	103.2	99.9	99.9
137.5°	261.9	250.9	219.8	194.5	170.1	146.2	124.7	110.4	102.7	99.4	98.9
140°	224.1	216.9	198.8	173.9	150.5	127.1	110.4	102.3	98.9	97.5	97.0
142.5°	195.0	189.7	173.5	147.7	124.7	110.4	104.2	101.8	98.4	95.1	94.6
145°	170.6	166.3	147.7	132.8	121.8	116.1	111.3	104.2	96.0	91.7	91.3
147.5°	191.6	184.9	168.7	151.5	133.8	120.4	109.9	100.3	92.7	89.8	89.8
150°	164.9	160.1	150.0	136.7	121.8	109.4	100.3	94.1	91.3	90.8	90.8
152.5°	128.1	125.7	122.8	116.1	106.6	98.4	92.7	89.8	90.8	92.7	93.2
155°	120.4	119.5	116.6	110.4	104.2	96.5	91.7	90.3	91.7	93.7	94.1
157.5°	114.7	114.2	111.8	106.1	100.3	95.6	92.2	91.3	92.7	94.1	94.1
160°	109.9	109.4	106.1	101.8	97.5	94.1	91.7	91.7	93.2	94.1	94.1
162.5°	107.0	106.6	104.2	100.8	98.0	96.0	95.6	95.6	96.0	96.5	96.5
165°	107.0	106.6	104.2	101.3	99.4	99.4	100.3	100.8	99.4	98.4	98.9
167.5°	111.3	110.4	107.5	105.1	104.6	105.1	106.6	106.6	105.6	104.2	103.7
170°	112.8	112.3	111.3	110.4	110.4	110.4	110.9	111.3	111.3	111.8	111.8
172.5°	115.6	115.6	115.2	115.2	115.6	115.2	115.2	116.1	117.1	117.5	118.0
175°	119.5	119.0	119.5	119.5	119.9	119.5	119.0	119.9	121.4	122.3	122.3
177.5°	122.3	122.3	121.8	121.4	121.4	121.4	121.4	121.8	121.8	121.8	121.4
180°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8

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

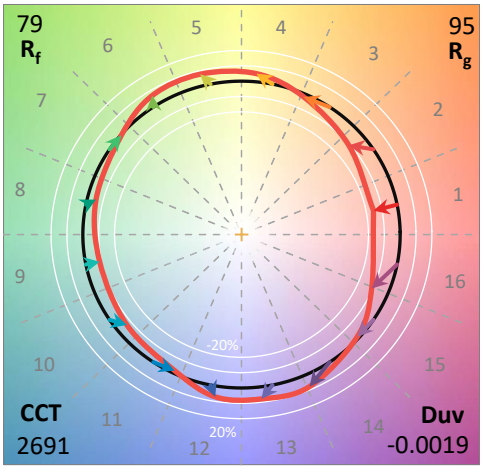
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

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

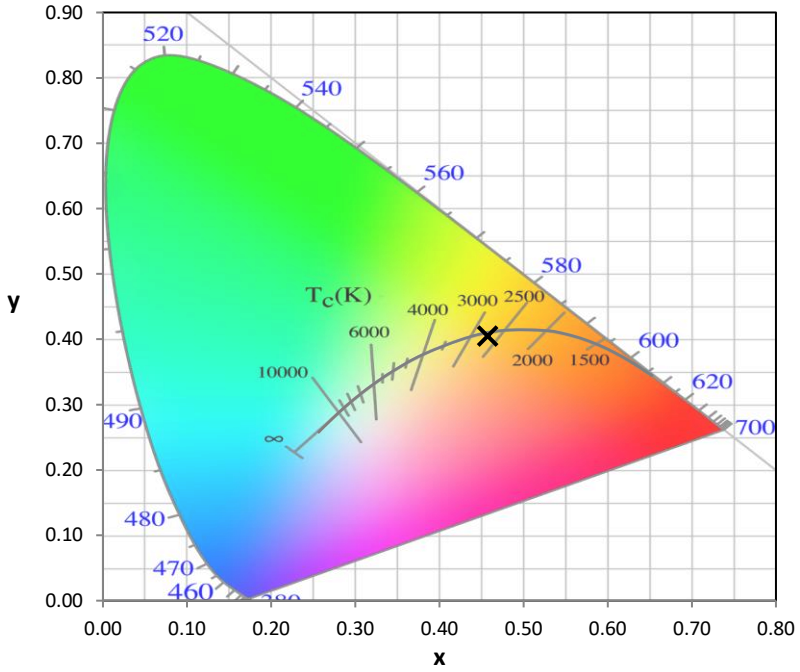
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

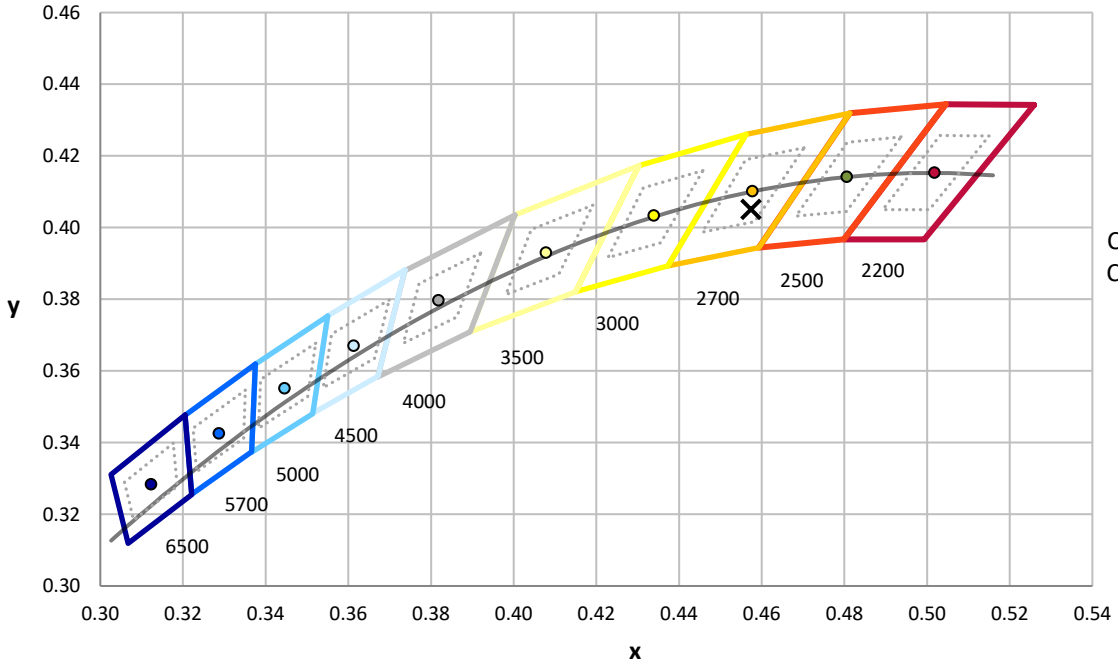
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

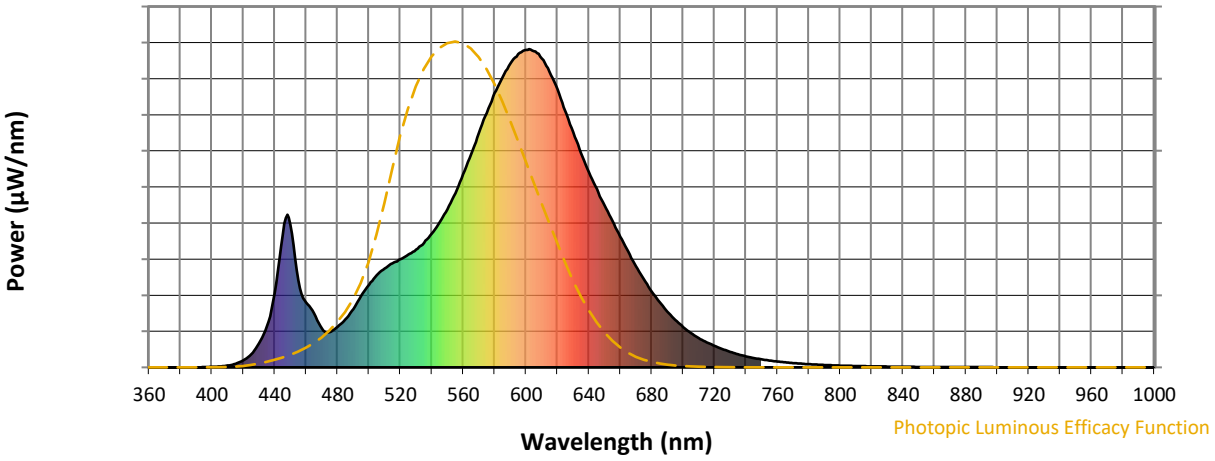


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

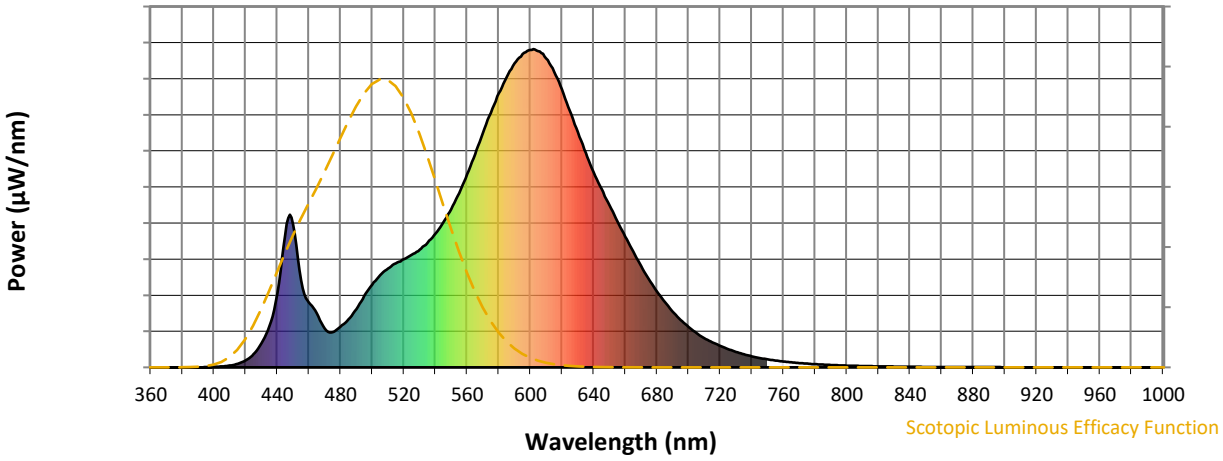


Photopic Lumens: NR

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

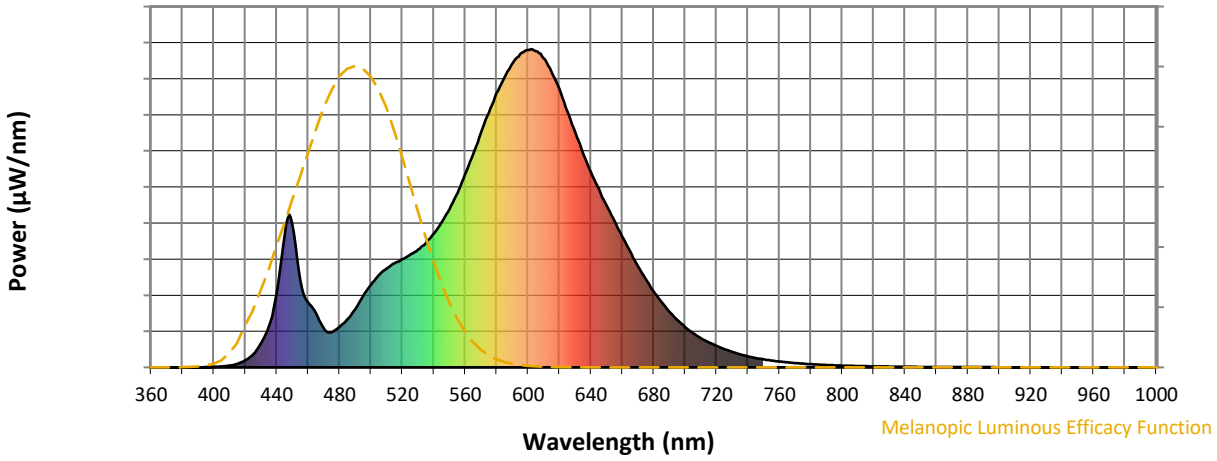


Scotopic Lumens: NR **S/P: 1.18**

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			

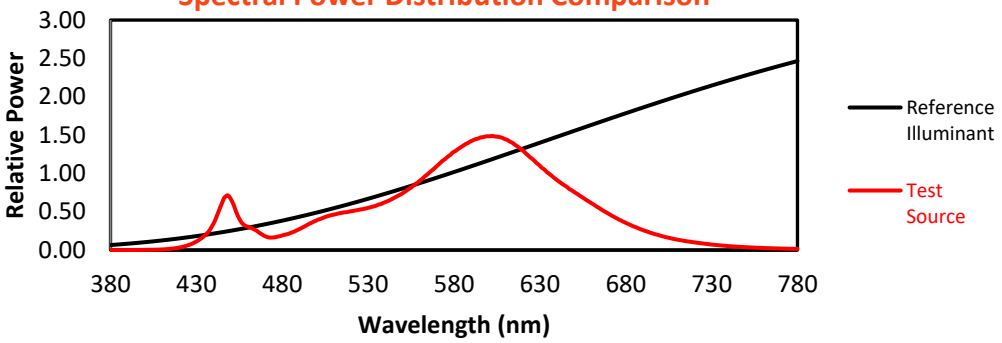
REPORT NUMBER: SP1-2501-332-8

TM-30-18

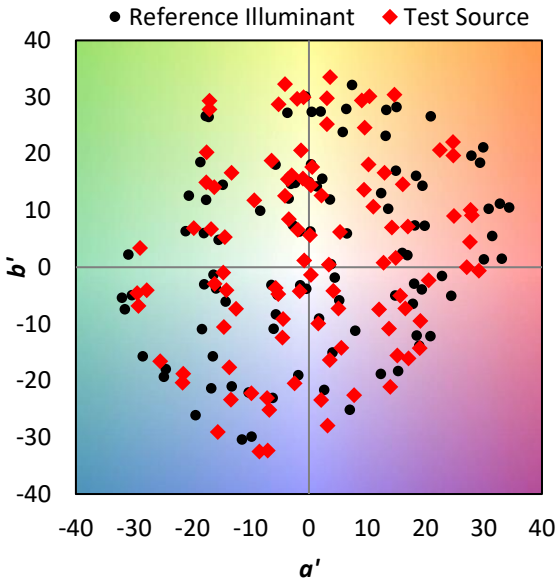
Summary

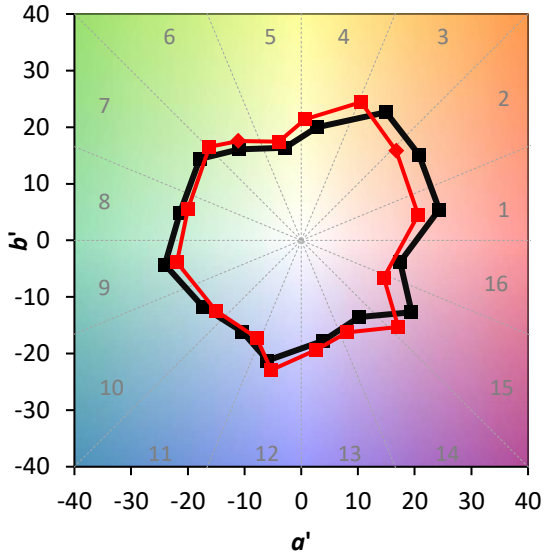
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

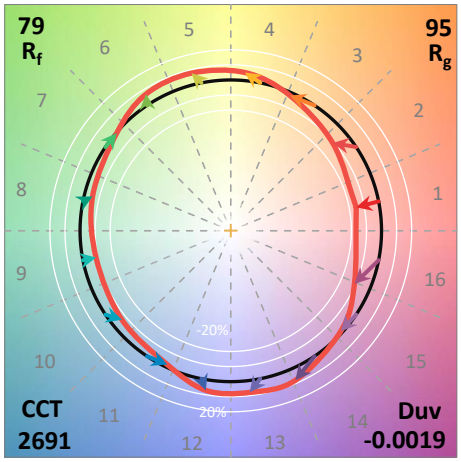
Spectral Power Distribution Comparison

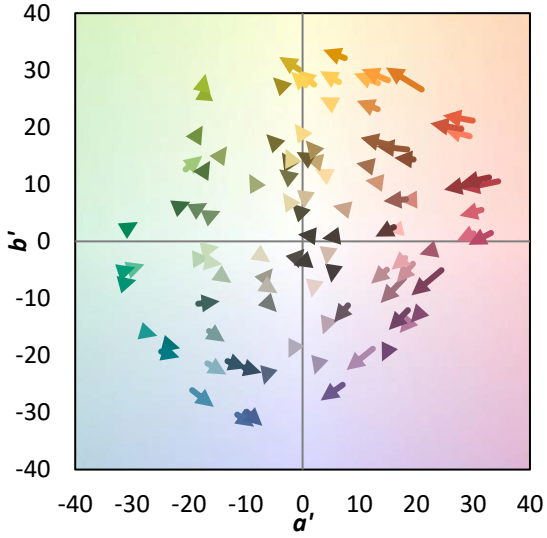


Color Vector Graphics







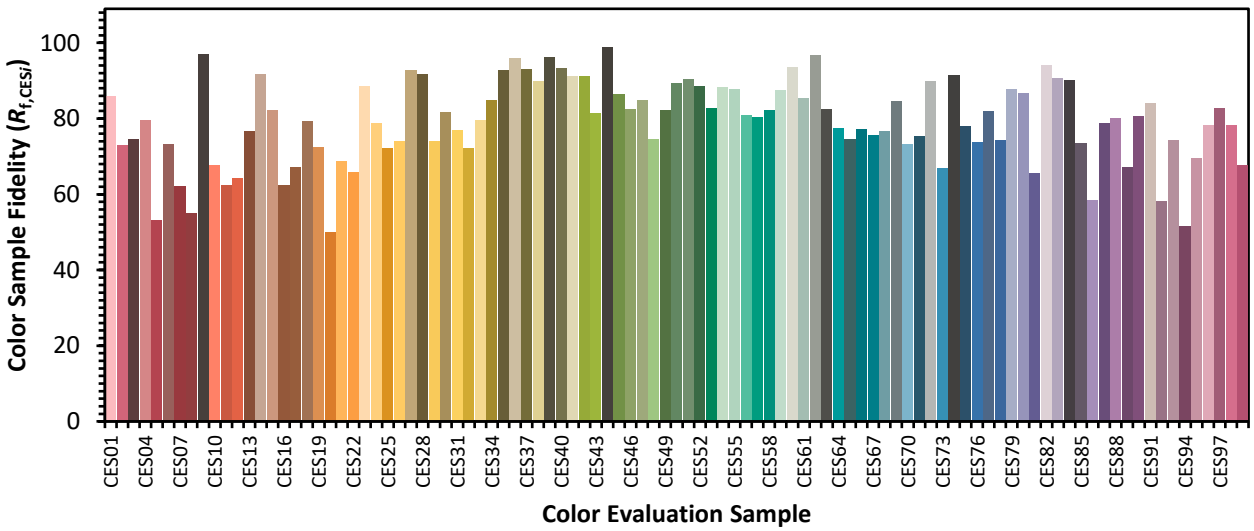


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

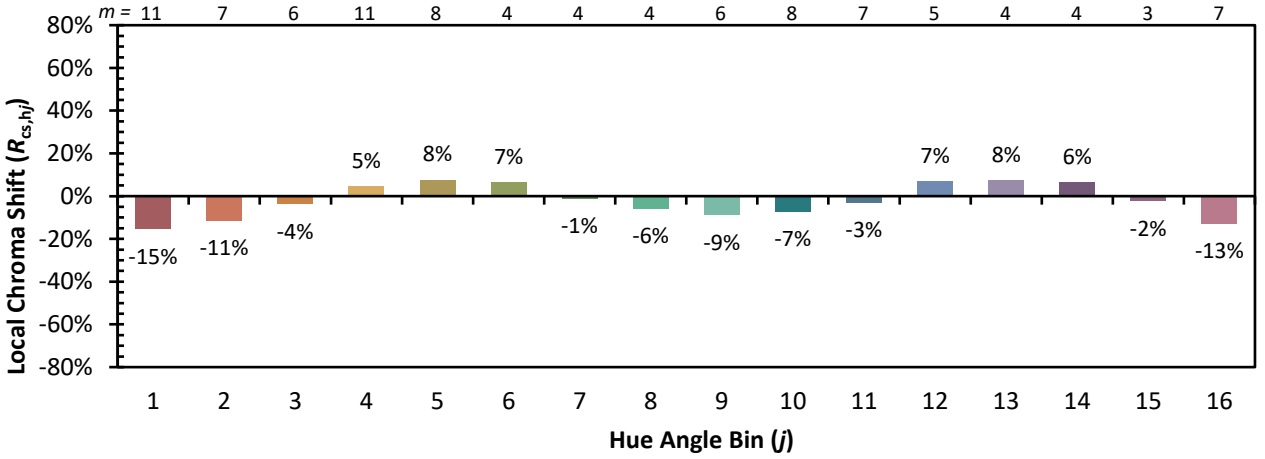
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57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

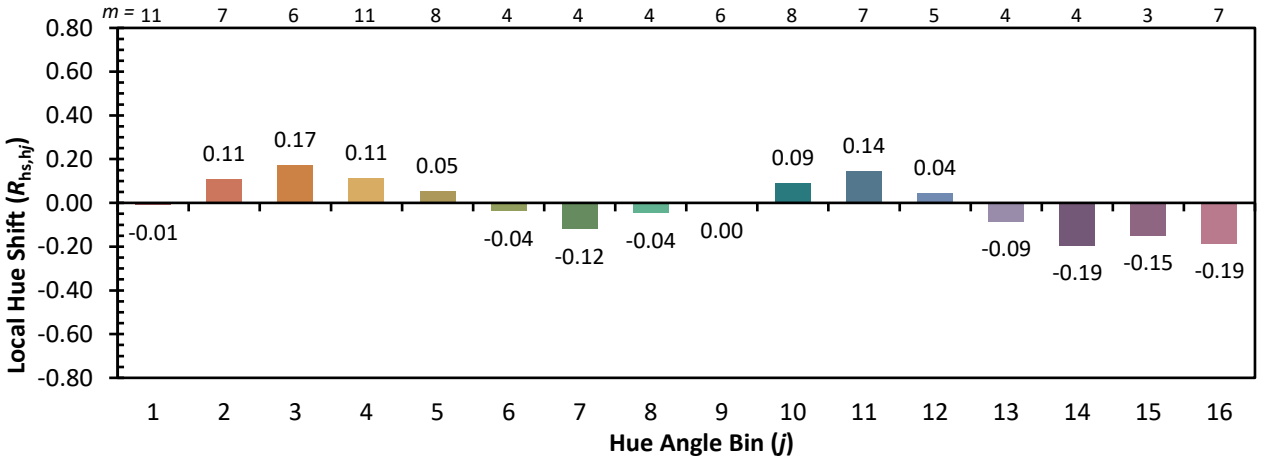


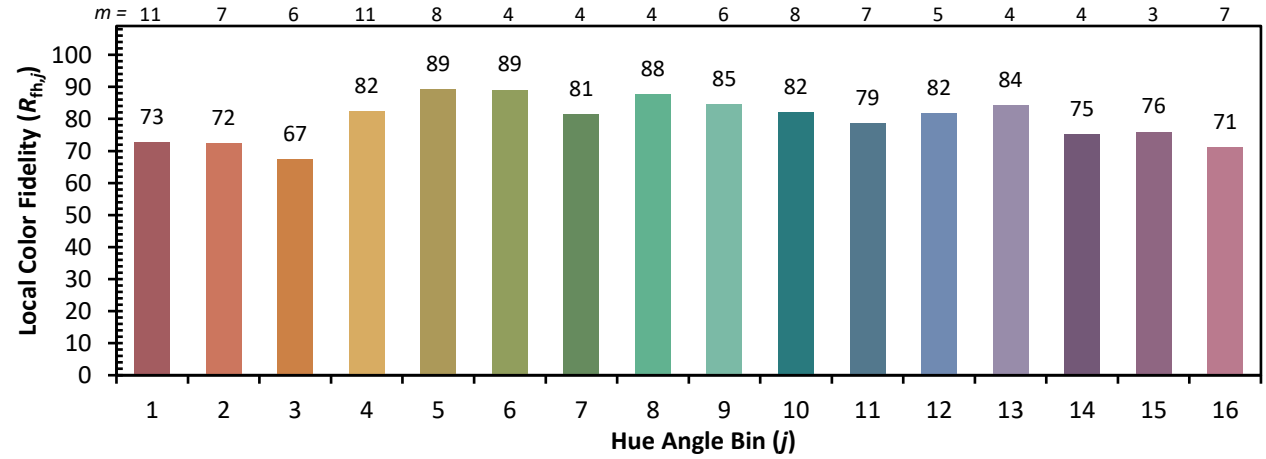
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Color Rendition by Hue-Angle Bin



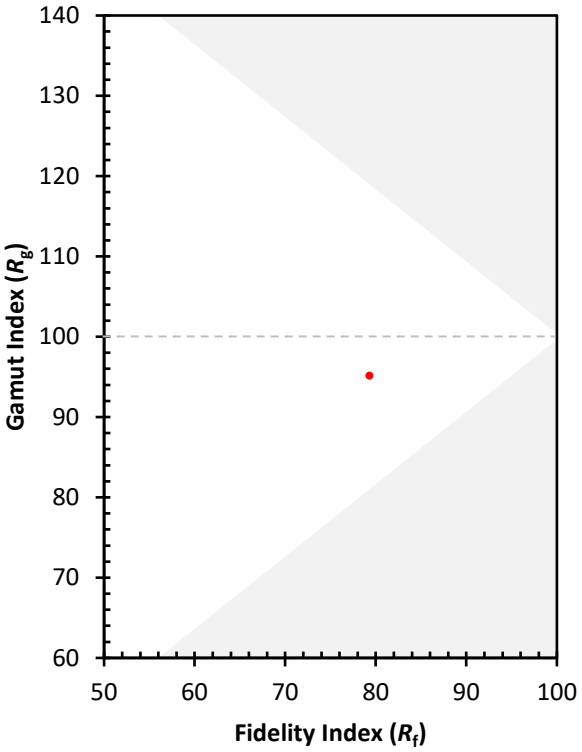


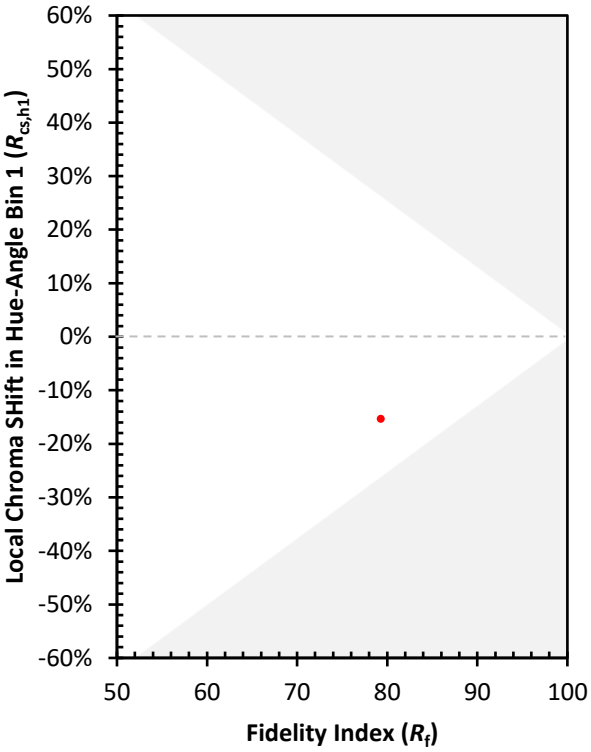


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Measure Comparisons





(END OF REPORT)