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: P1045797

Luminaire Tested: **FFX-CLB-80-730-U-FR-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:	P1045797
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8390.8 lumens
Efficiency:	N/A
Efficacy:	102.6 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):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

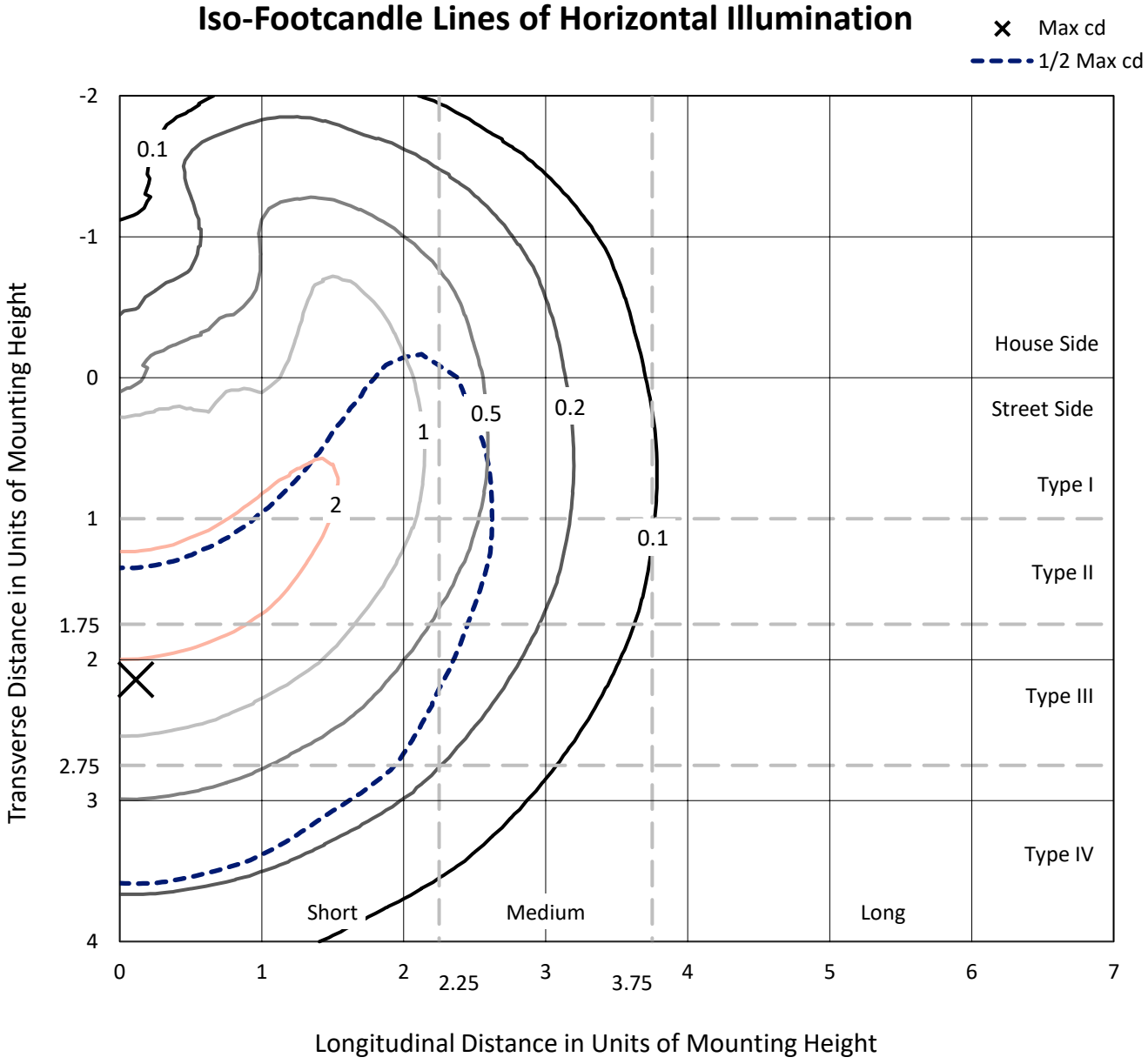


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Iso-Footcandle Lines of Horizontal Illumination



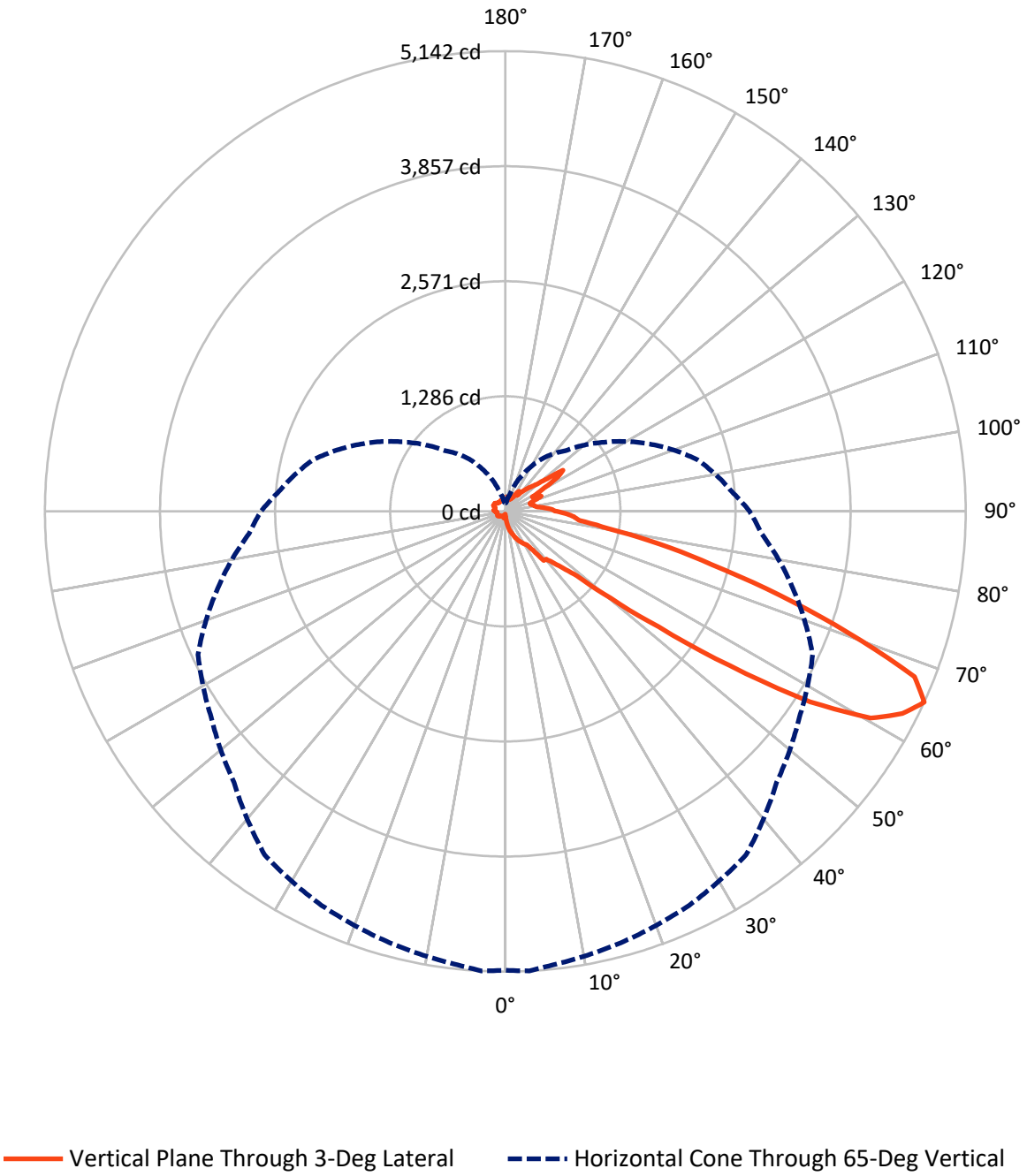
Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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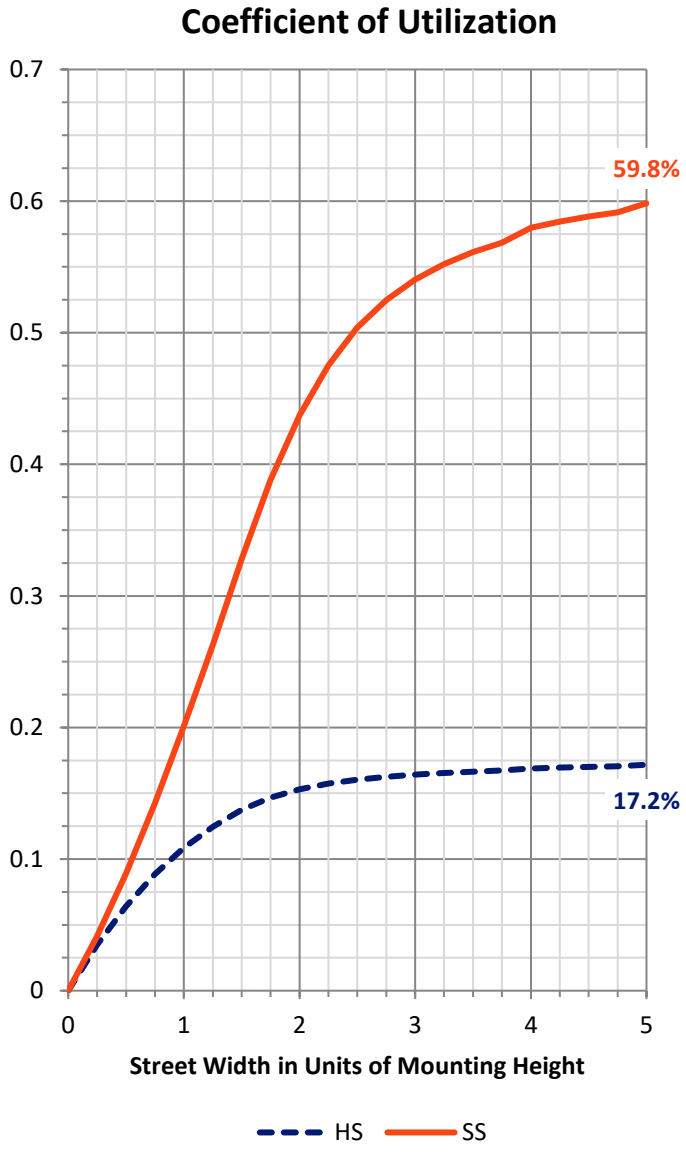
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1495.9	582.3	2078.1
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	5229.1	1083.6	6312.7
	% Fixture	62.3	12.9	75.2
Total	Lumens	6724.9	1665.9	8390.8
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.1
10°-20°	47.5	0.6
20°-30°	104.7	1.2
30°-40°	208.9	2.5
40°-50°	451.0	5.4
50°-60°	1542.0	18.4
60°-70°	2505.7	29.9
70°-80°	1348.3	16.1
80°-90°	508.0	6.1
90°-100°	320.5	3.8
100°-110°	227.8	2.7
110°-120°	251.4	3.0
120°-130°	384.1	4.6
130°-140°	230.4	2.7
140°-150°	127.2	1.5
150°-160°	70.8	0.8
160°-170°	39.2	0.5
170°-180°	14.5	0.2
0°-90°	6724.9	80.1
0°-180°	8390.8	100.0



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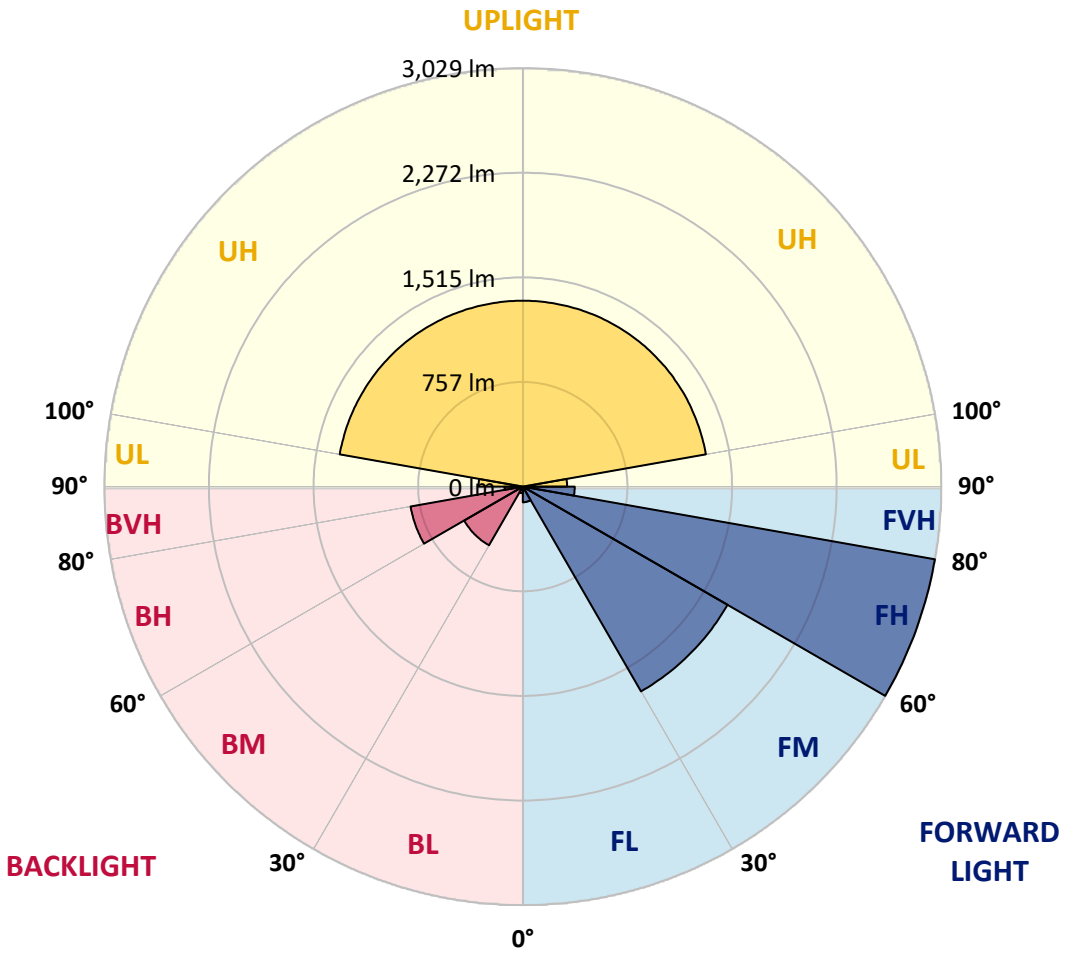
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	113.2	1.3			
FM	(30°-60°)	1711.5	20.4			
FH	(60°-80°)	3029.0	36.1			G2/5000
FVH	(80°-90°)	375.4	4.5			G3/500
BL	(0°-30°)	47.8	0.6	B0/110		
BM	(30°-60°)	490.5	5.8	B1/1000		
BH	(60°-80°)	825.0	9.8	B2/1000		G2/1000
BVH	(80°-90°)	132.6	1.6			G2/225
UL	(90°-100°)	320.5	3.8		U3/500	
UH	(100°-180°)	1345.4	16.0		U5	

BUG Rating: B2-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	66.7	67.7	67.7	67.7	69.6	70.5	69.6	66.7	63.0	61.1	59.2
5°	96.8	98.7	97.8	97.8	95.9	95.9	93.1	91.2	89.3	82.7	76.1
7.5°	134.4	132.5	131.6	129.7	130.6	125.9	122.2	122.2	119.4	112.8	102.5
10°	173.9	173.9	171.1	170.1	168.2	166.4	159.8	156.0	156.0	144.7	132.5
12.5°	217.1	216.2	217.1	215.2	212.4	207.7	200.2	191.7	187.0	176.7	158.8
15°	245.3	244.4	244.4	243.4	241.6	236.9	231.2	222.8	210.5	200.2	183.3
17.5°	275.4	273.5	273.5	268.8	265.1	259.4	254.7	246.3	231.2	212.4	196.4
20°	308.3	308.3	308.3	301.7	294.2	286.7	280.1	272.6	261.3	233.1	210.5
22.5°	339.3	340.3	339.3	332.7	326.2	313.9	303.6	294.2	282.9	254.7	227.5
25°	369.4	371.3	370.3	370.3	361.9	345.9	331.8	317.7	310.2	282.0	244.4
27.5°	395.7	396.6	397.6	402.3	397.6	379.7	357.2	340.3	334.6	303.6	258.5
30°	421.1	423.9	423.9	428.6	427.7	407.9	380.7	361.9	350.6	320.5	272.6
32.5°	445.5	447.4	448.3	459.6	458.7	432.4	408.9	388.2	369.4	346.8	297.0
35°	533.9	531.1	545.2	553.6	547.0	523.5	495.3	456.8	430.5	404.2	350.6
37.5°	698.4	696.5	696.5	677.7	651.4	624.1	616.6	576.2	544.2	510.4	437.1
40°	703.1	703.1	705.9	726.6	739.7	704.9	672.0	632.6	626.0	591.2	501.9
42.5°	771.7	779.2	786.7	800.8	824.3	801.8	764.2	701.2	671.1	635.4	559.3
45°	888.2	899.5	895.7	901.4	895.7	876.0	873.2	838.4	793.3	724.7	622.2
47.5°	1080.9	1074.3	1070.6	1093.1	1129.8	1093.1	1084.7	1029.2	942.7	855.3	738.8
50°	1554.6	1526.4	1555.6	1550.9	1544.3	1510.5	1485.1	1429.6	1288.6	1146.7	978.5
52.5°	2189.1	2143.0	2169.3	2187.2	2168.4	2120.5	2044.3	1936.2	1746.4	1563.1	1341.3
55°	3111.1	3047.2	3055.7	3078.2	3091.4	2982.4	2873.3	2634.6	2349.8	2066.9	1826.3
57.5°	4129.1	4014.4	4089.6	3963.7	3912.0	3717.4	3625.3	3383.7	3049.1	2671.3	2283.1
60°	4702.4	4690.2	4676.1	4578.4	4523.8	4305.8	4089.6	3863.1	3563.2	3116.8	2662.8
62.5°	4951.5	4977.8	4957.2	4906.4	4857.5	4665.8	4289.8	4021.0	3777.5	3318.9	2865.8
65°	5127.3	5142.3	5107.5	4990.1	4857.5	4686.5	4285.1	4010.7	3787.9	3325.4	2874.3
67.5°	4926.1	4929.0	4886.7	4734.4	4465.6	4315.2	3926.1	3686.4	3468.3	3073.5	2651.5
70°	4057.6	4066.1	4039.8	3904.4	3678.9	3548.2	3173.2	2926.9	2762.4	2489.9	2178.7
72.5°	3162.8	3199.5	3161.9	3108.3	2894.0	2797.2	2545.3	2346.0	2194.7	1938.1	1687.2
75°	2378.0	2386.5	2387.4	2327.2	2214.5	2192.8	2019.9	1888.3	1756.7	1546.2	1361.9
77.5°	1724.8	1762.4	1749.2	1738.9	1591.3	1599.7	1531.1	1453.1	1370.4	1230.4	1098.8
80°	1144.8	1164.6	1141.1	1146.7	1127.0	1122.3	1058.4	1005.7	955.0	890.1	838.4
82.5°	834.7	830.9	829.0	818.7	803.6	806.5	774.5	709.6	648.5	635.4	587.5
85°	771.7	768.9	766.0	747.2	715.3	695.5	677.7	651.4	613.8	554.6	492.5
87.5°	674.9	675.8	669.2	649.5	628.8	623.2	609.1	592.2	573.4	529.2	474.7
90°	555.5	552.7	553.6	542.3	546.1	544.2	522.6	501.9	494.4	456.8	424.8
92.5°	513.2	510.4	511.3	502.9	489.7	486.9	463.4	438.0	426.7	403.2	378.8
95°	428.6	428.6	424.8	421.1	414.5	405.1	392.9	376.0	367.5	348.7	324.3
97.5°	360.0	356.2	359.1	352.5	346.8	343.1	333.7	316.8	308.3	294.2	275.4
100°	334.6	334.6	333.7	330.9	316.8	309.2	298.9	282.9	276.3	264.1	250.0
102.5°	320.5	319.6	318.6	315.8	302.7	289.5	276.3	266.9	259.4	249.1	234.0
105°	293.3	293.3	295.1	294.2	284.8	276.3	262.2	253.8	246.3	235.9	221.8
107.5°	290.4	289.5	289.5	278.2	266.0	261.3	251.0	243.4	236.9	226.5	210.5
110°	332.7	334.6	337.4	318.6	289.5	277.3	262.2	253.8	246.3	233.1	216.2

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	436.1	*436.1*	434.2	423.9	373.1	339.3	331.8	310.2	298.0	278.2	254.7
115°	391.9	*392.9*	391.9	394.8	391.0	348.7	356.2	320.5	341.2	295.1	279.2
117.5°	342.1	*341.2*	337.4	338.4	342.1	369.4	310.2	301.7	310.2	268.8	254.7
120°	477.5	*469.0*	477.5	442.7	437.1	441.8	407.9	401.3	365.6	315.8	278.2
122.5°	703.1	*689.9*	708.7	696.5	705.9	674.9	642.0	614.7	575.2	491.6	416.4
125°	794.2	*791.4*	786.7	769.8	754.8	741.6	747.2	757.6	736.0	668.3	580.9
127.5°	584.6	*592.2*	589.3	623.2	656.1	648.5	628.8	638.2	649.5	645.7	594.0
130°	466.2	*472.8*	476.5	509.4	537.6	537.6	505.7	497.2	506.6	526.4	506.6
132.5°	408.9	*410.7*	412.6	423.9	447.4	458.7	438.9	425.8	429.5	439.9	423.0
135°	368.4	*367.5*	364.7	357.2	359.1	370.3	378.8	376.9	374.1	374.1	364.7
137.5°	319.6	*318.6*	318.6	307.4	302.7	312.1	324.3	335.6	328.0	317.7	306.4
140°	266.0	*265.1*	266.0	272.6	274.5	275.4	282.0	282.0	282.0	281.0	276.3
142.5°	220.9	*221.8*	223.7	240.6	249.1	249.1	240.6	233.1	232.2	237.8	238.7
145°	271.6	*271.6*	272.6	271.6	266.0	260.4	254.7	254.7	249.1	235.9	229.3
147.5°	242.5	*246.3*	243.4	246.3	248.1	249.1	248.1	251.0	251.9	244.4	234.0
150°	190.8	*189.9*	188.0	190.8	195.5	201.1	203.0	204.9	205.8	205.8	205.8
152.5°	165.4	*166.4*	165.4	168.2	171.1	172.0	174.8	174.8	175.8	174.8	172.9
155°	160.7	*160.7*	160.7	160.7	161.7	163.5	167.3	169.2	167.3	164.5	159.8
157.5°	149.4	*149.4*	149.4	150.4	152.3	154.1	157.0	158.8	158.8	157.0	153.2
160°	142.9	*142.9*	142.9	142.9	144.7	146.6	148.5	150.4	150.4	149.4	146.6
162.5°	135.3	*135.3*	135.3	136.3	138.2	140.0	141.9	143.8	142.9	142.9	141.0
165°	134.4	*134.4*	134.4	135.3	137.2	140.0	141.0	141.0	141.9	141.9	141.9
167.5°	138.2	*138.2*	139.1	139.1	141.0	141.9	143.8	144.7	145.7	144.7	144.7
170°	143.8	*143.8*	143.8	144.7	145.7	145.7	146.6	146.6	147.6	147.6	147.6
172.5°	151.3	*151.3*	151.3	151.3	150.4	150.4	150.4	150.4	151.3	150.4	151.3
175°	159.8	*159.8*	159.8	158.8	157.9	157.9	157.0	157.0	156.0	155.1	155.1
177.5°	160.7	*160.7*	160.7	160.7	159.8	158.8	158.8	157.9	157.0	157.0	157.0
180°	157.0	*157.0*	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	57.3	55.5	50.8	47.0	44.2	40.4	37.6	34.8	32.9	32.0	31.0
5°	75.2	71.4	65.8	60.2	55.5	48.9	45.1	38.5	33.8	32.0	31.0
7.5°	98.7	95.9	93.1	92.1	90.2	81.8	69.6	60.2	58.3	56.4	58.3
10°	125.9	120.3	111.9	116.6	116.6	100.6	83.7	74.3	73.3	77.1	78.0
12.5°	151.3	143.8	133.5	132.5	122.2	100.6	82.7	73.3	72.4	73.3	74.3
15°	174.8	166.4	155.1	145.7	129.7	107.2	86.5	74.3	71.4	74.3	74.3
17.5°	188.0	179.5	163.5	145.7	126.9	106.2	85.5	72.4	65.8	62.0	62.0
20°	204.0	197.4	175.8	153.2	127.8	105.3	84.6	70.5	63.0	59.2	58.3
22.5°	218.1	210.5	187.0	162.6	133.5	105.3	81.8	69.6	63.0	59.2	58.3
25°	235.0	223.7	200.2	172.9	138.2	105.3	81.8	70.5	63.9	60.2	59.2
27.5°	246.3	233.1	210.5	180.5	143.8	107.2	84.6	71.4	63.9	60.2	60.2
30°	257.5	245.3	219.0	190.8	150.4	111.9	89.3	75.2	66.7	62.0	62.0
32.5°	280.1	264.1	232.2	199.3	156.0	115.6	94.0	79.0	69.6	64.9	64.9
35°	330.9	308.3	269.8	223.7	163.5	119.4	98.7	83.7	71.4	65.8	65.8
37.5°	407.9	379.7	332.7	269.8	182.3	125.0	102.5	85.5	73.3	68.6	67.7
40°	458.7	423.9	367.5	306.4	209.6	134.4	107.2	88.4	75.2	69.6	68.6
42.5°	519.8	477.5	402.3	317.7	223.7	154.1	116.6	93.1	78.0	70.5	69.6
45°	575.2	539.5	469.0	371.3	264.1	183.3	133.5	101.5	82.7	73.3	72.4
47.5°	688.0	632.6	538.6	438.0	314.9	227.5	162.6	114.7	90.2	77.1	75.2
50°	908.0	850.6	736.9	580.9	407.0	289.5	209.6	139.1	99.6	80.8	78.0
52.5°	1233.2	1127.9	1001.0	790.5	577.1	418.3	297.0	196.4	118.4	84.6	79.9
55°	1668.4	1608.2	1383.6	1115.7	822.4	626.0	456.8	305.5	176.7	89.3	80.8
57.5°	2167.5	2048.1	1843.2	1509.5	1099.7	797.1	617.5	454.9	260.4	104.3	85.5
60°	2488.9	2364.8	2129.9	1792.4	1338.5	950.3	704.0	506.6	295.1	107.2	89.3
62.5°	2696.6	2522.8	2224.8	1830.0	1408.0	1013.2	743.5	481.2	251.9	104.3	92.1
65°	*2728.6*	*2539.7*	*2224.8*	*1778.3*	*1345.0*	*961.5*	*719.0*	*444.6*	*198.3*	*99.6*	*95.9*
67.5°	2539.7	2334.8	2073.5	1630.8	1206.9	824.3	617.5	362.8	150.4	96.8	94.9
70°	2056.6	1927.8	1690.0	1329.1	963.4	674.9	491.6	278.2	122.2	94.0	93.1
72.5°	1571.6	1478.5	1312.1	1035.8	742.5	520.7	375.0	219.0	110.0	92.1	91.2
75°	1251.0	1166.4	1031.1	798.0	566.8	401.3	280.1	168.2	100.6	92.1	90.2
77.5°	1032.0	957.8	835.6	632.6	413.6	299.8	212.4	136.3	98.7	92.1	91.2
80°	794.2	740.7	649.5	459.6	296.1	224.6	169.2	121.3	98.7	94.0	93.1
82.5°	563.0	542.3	473.7	358.1	249.1	195.5	156.0	119.4	100.6	95.9	94.9
85°	468.1	443.6	394.8	312.1	232.2	188.9	154.1	122.2	105.3	101.5	100.6
87.5°	451.2	435.2	387.2	301.7	222.8	180.5	147.6	119.4	105.3	103.4	104.3
90°	407.9	390.1	353.4	281.0	213.4	179.5	150.4	124.1	109.0	107.2	106.2
92.5°	370.3	360.0	328.0	271.6	219.9	186.1	158.8	135.3	123.1	119.4	119.4
95°	316.8	306.4	288.6	249.1	209.6	182.3	158.8	138.2	127.8	125.9	125.0
97.5°	269.8	263.2	248.1	217.1	186.1	163.5	142.9	126.9	118.4	115.6	115.6
100°	246.3	240.6	228.4	207.7	184.2	165.4	148.5	134.4	126.9	125.0	125.0
102.5°	229.3	224.6	213.4	198.3	177.6	162.6	148.5	136.3	127.8	125.9	126.9
105°	215.2	210.5	199.3	184.2	167.3	151.3	141.0	131.6	122.2	119.4	119.4
107.5°	204.9	200.2	190.8	175.8	161.7	147.6	136.3	128.8	121.3	119.4	119.4
110°	209.6	203.0	188.9	172.9	160.7	148.5	139.1	131.6	125.9	123.1	123.1

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

Scaled Data Report

REPORT NUMBER: P1045797
CATALOG NUMBER: FFX-CLB-80-730-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	245.3	235.0	211.5	188.9	172.9	158.8	148.5	138.2	133.5	129.7	129.7
115°	268.8	258.5	235.0	207.7	184.2	164.5	150.4	141.9	136.3	140.0	138.2
117.5°	245.3	237.8	219.9	200.2	181.4	164.5	152.3	146.6	142.9	147.6	149.4
120°	269.8	255.7	241.6	219.0	184.2	160.7	152.3	150.4	150.4	146.6	146.6
122.5°	385.4	361.9	309.2	270.7	222.8	196.4	180.5	165.4	150.4	144.7	143.8
125°	539.5	495.3	428.6	360.9	295.1	239.7	193.6	165.4	151.3	142.9	141.0
127.5°	567.7	529.2	468.1	386.3	297.0	234.0	192.7	171.1	155.1	145.7	144.7
130°	479.4	460.6	406.0	335.6	266.9	218.1	190.8	171.1	156.0	147.6	145.7
132.5°	407.0	393.8	343.1	286.7	237.8	202.1	177.6	156.0	141.9	134.4	132.5
135°	349.7	341.2	297.0	256.6	219.9	190.8	165.4	144.7	133.5	128.8	127.8
137.5°	299.8	291.4	261.3	233.1	204.9	179.5	158.8	141.0	130.6	127.8	126.9
140°	268.8	261.3	242.5	212.4	185.2	158.8	143.8	132.5	126.9	125.0	124.1
142.5°	234.0	225.6	204.9	183.3	164.5	143.8	133.5	128.8	125.9	124.1	123.1
145°	221.8	216.2	192.7	172.9	155.1	144.7	139.1	132.5	126.9	123.1	122.2
147.5°	224.6	218.1	197.4	178.6	162.6	151.3	141.9	132.5	125.0	121.3	120.3
150°	201.1	199.3	187.0	172.0	157.0	144.7	135.3	127.8	123.1	122.2	122.2
152.5°	168.2	167.3	161.7	153.2	142.9	133.5	126.9	123.1	123.1	125.0	125.9
155°	157.9	155.1	151.3	145.7	137.2	130.6	125.9	124.1	125.0	126.9	126.9
157.5°	152.3	149.4	145.7	141.0	136.3	130.6	126.9	125.9	127.8	129.7	129.7
160°	144.7	142.9	140.0	135.3	131.6	128.8	126.9	126.9	127.8	128.8	128.8
162.5°	140.0	138.2	135.3	132.5	130.6	129.7	128.8	127.8	128.8	129.7	129.7
165°	140.0	139.1	135.3	132.5	131.6	131.6	131.6	131.6	131.6	130.6	130.6
167.5°	143.8	142.9	140.0	138.2	137.2	138.2	138.2	137.2	136.3	134.4	134.4
170°	147.6	146.6	145.7	144.7	143.8	144.7	144.7	144.7	143.8	143.8	142.9
172.5°	151.3	150.4	149.4	148.5	148.5	148.5	149.4	150.4	150.4	150.4	150.4
175°	155.1	155.1	153.2	152.3	152.3	152.3	153.2	153.2	154.1	154.1	154.1
177.5°	157.0	157.0	157.0	157.0	157.9	157.0	157.0	156.0	156.0	156.0	156.0
180°	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

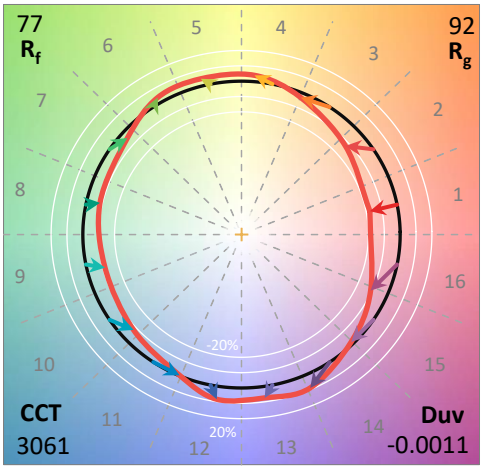
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

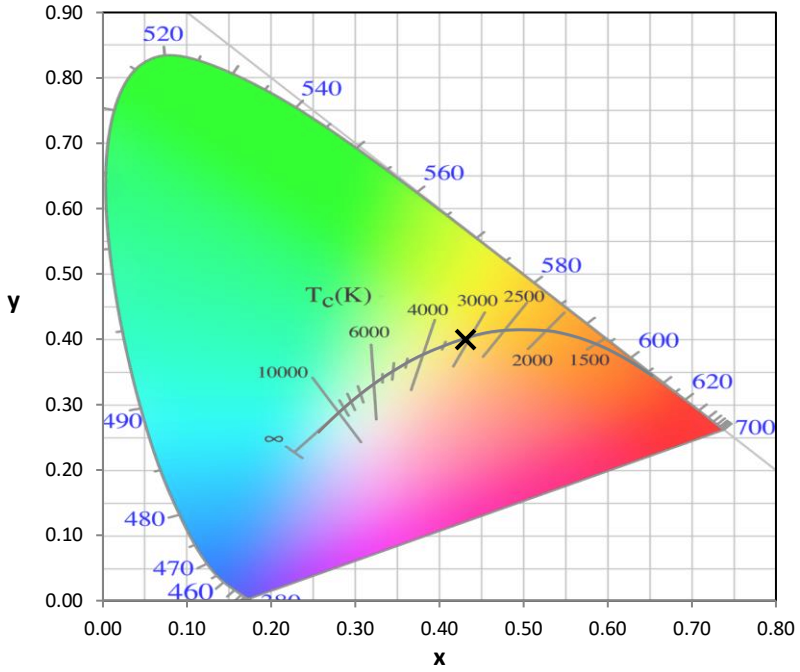
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

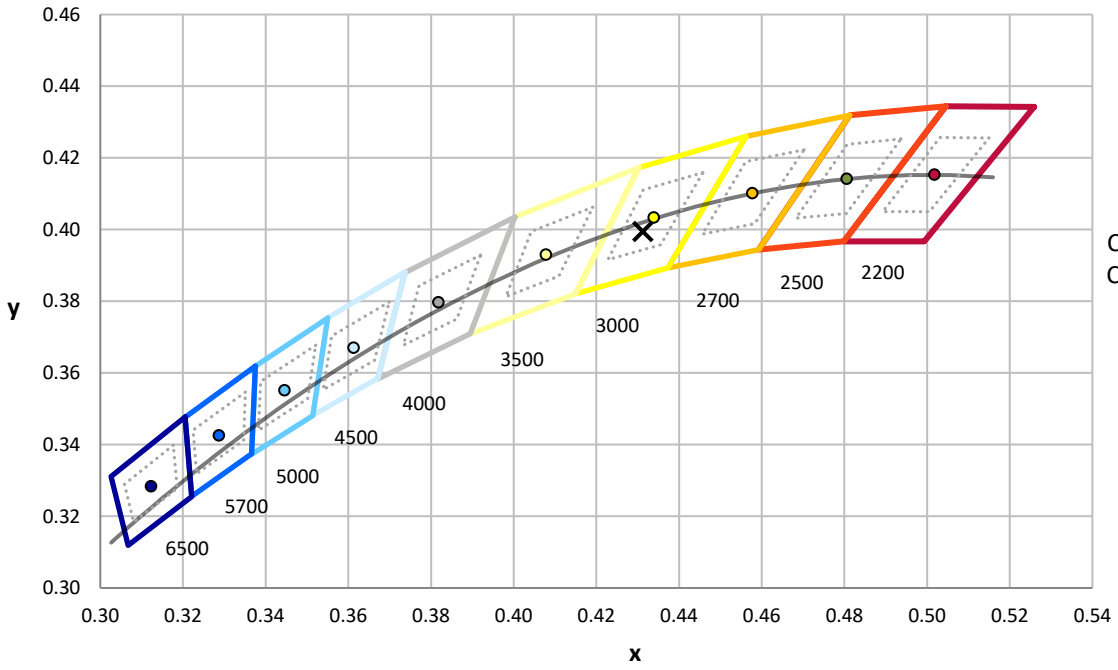
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

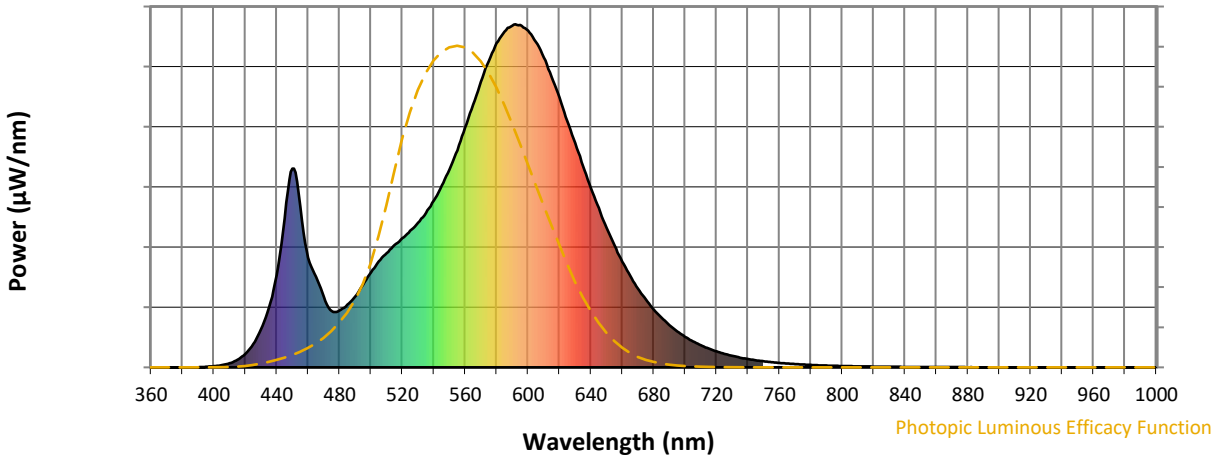


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

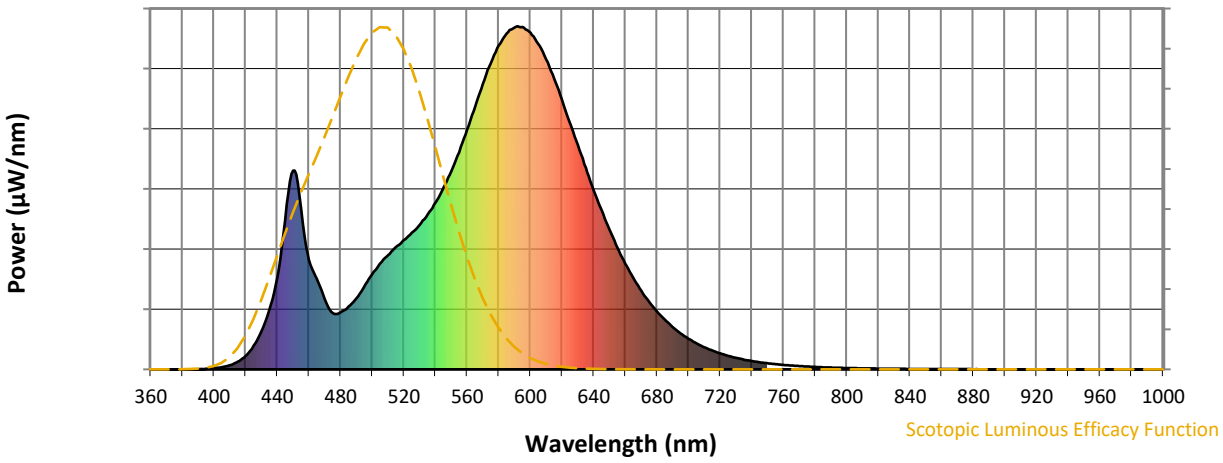


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

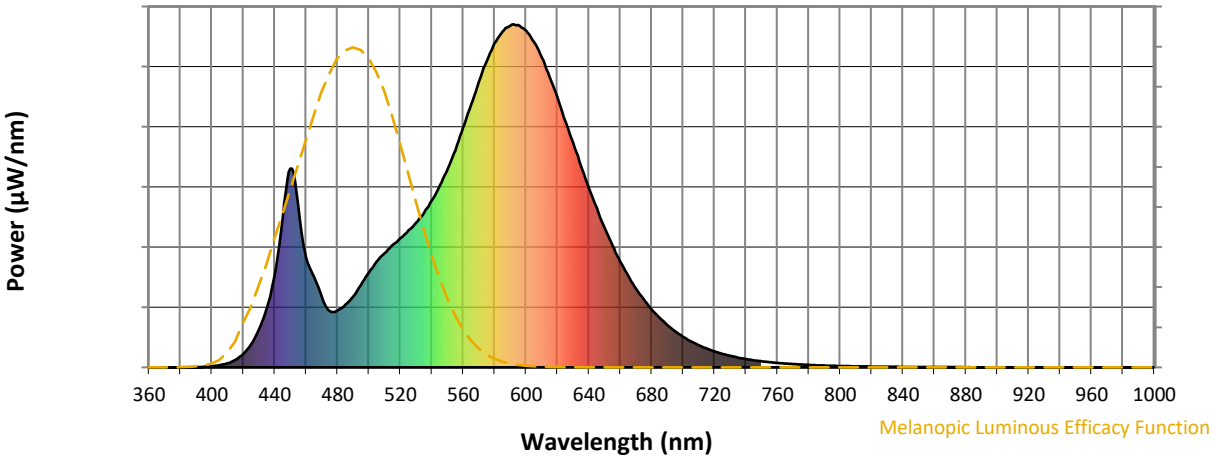


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

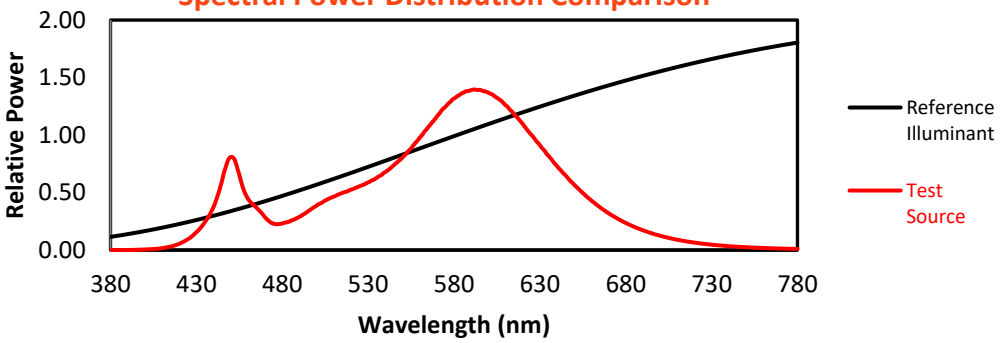
REPORT NUMBER: SP1-2501-332-4

TM-30-18

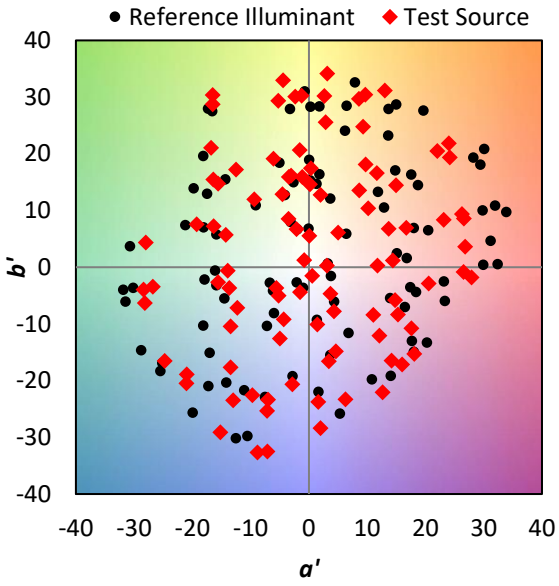
Summary

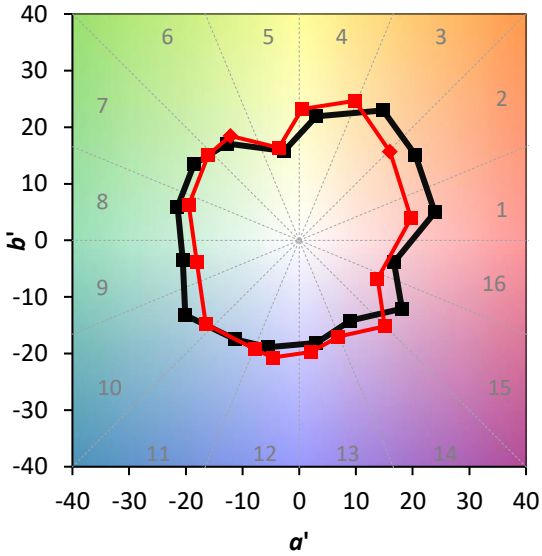
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

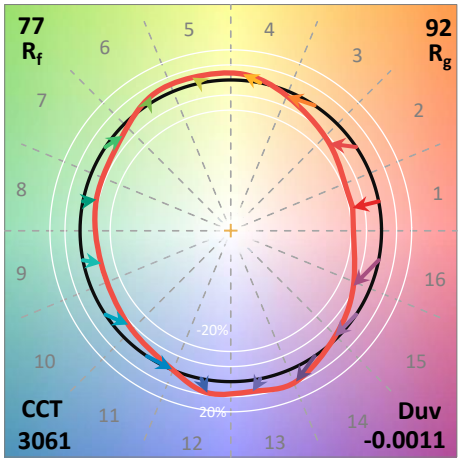
Spectral Power Distribution Comparison

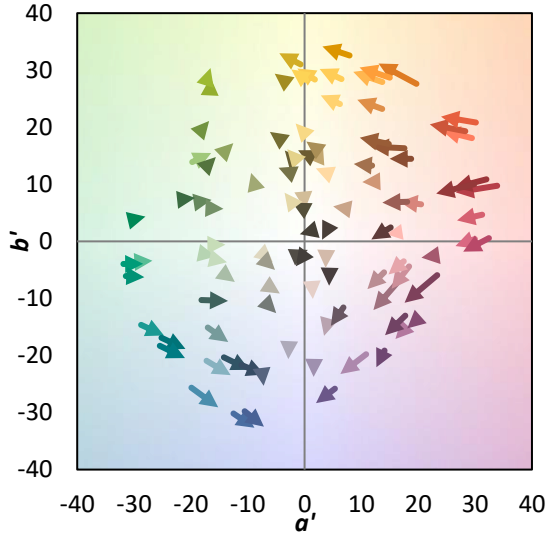


Color Vector Graphics







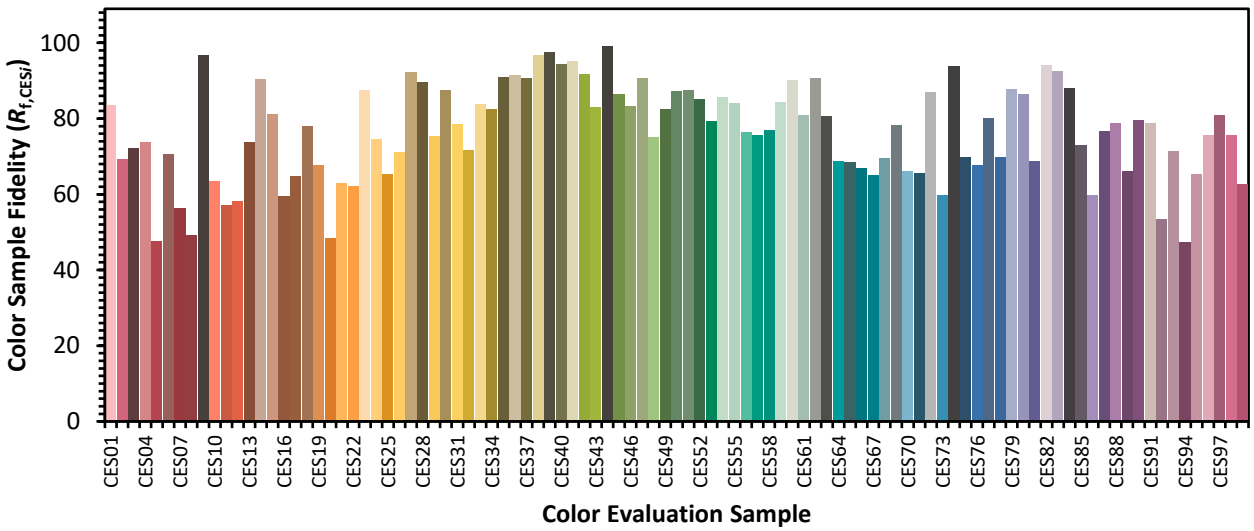


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

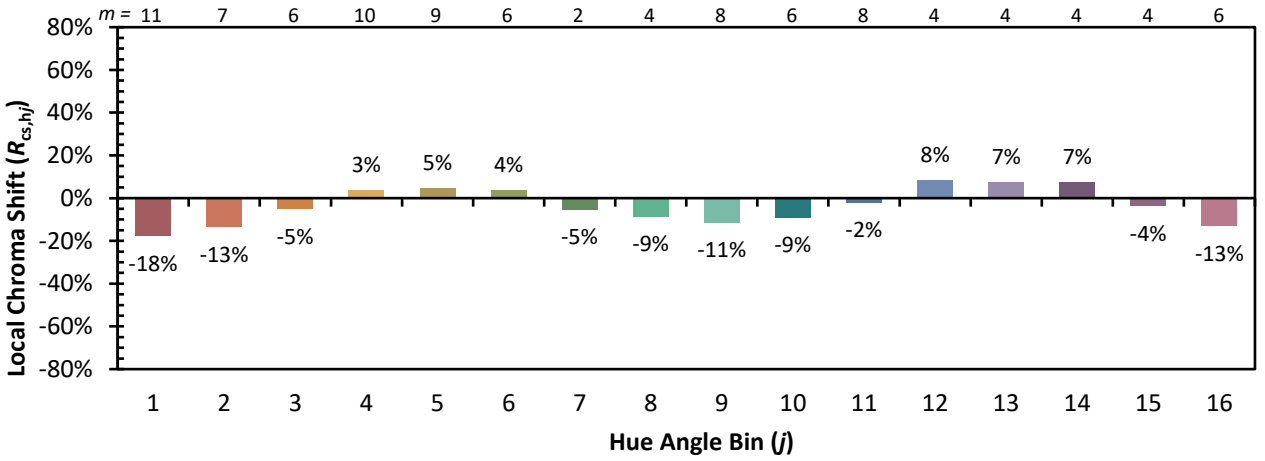
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

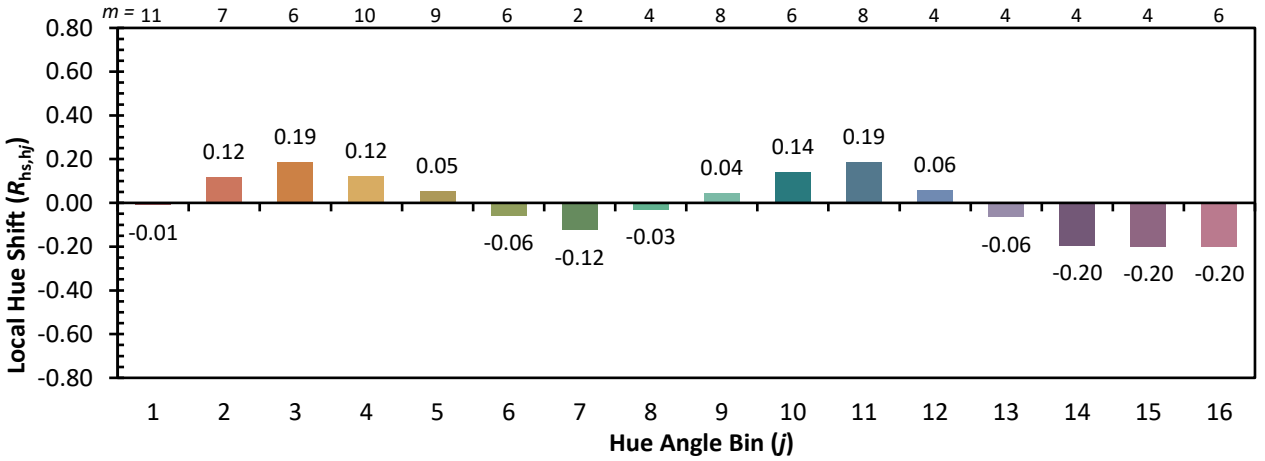


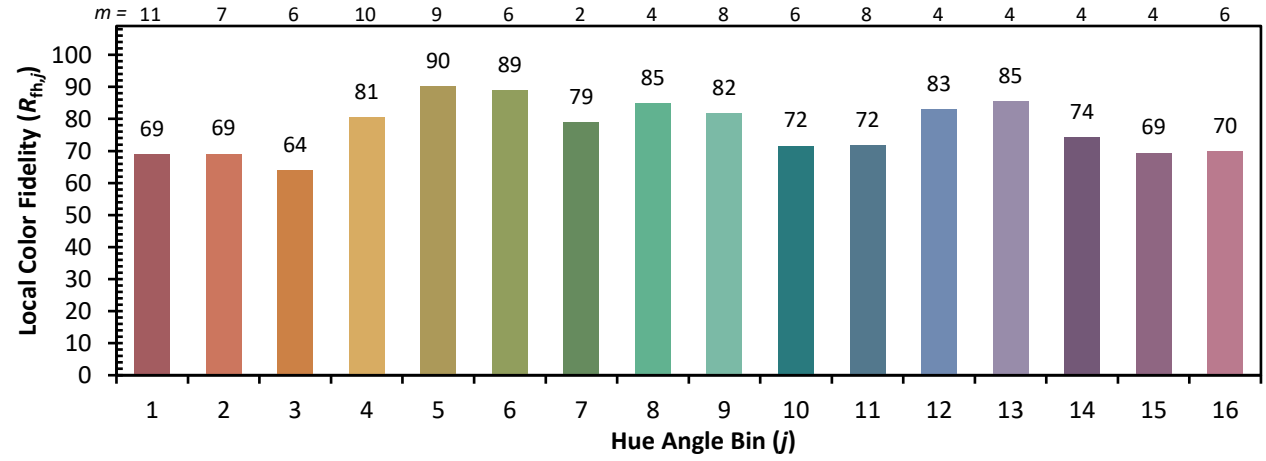
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Color Rendition by Hue-Angle Bin



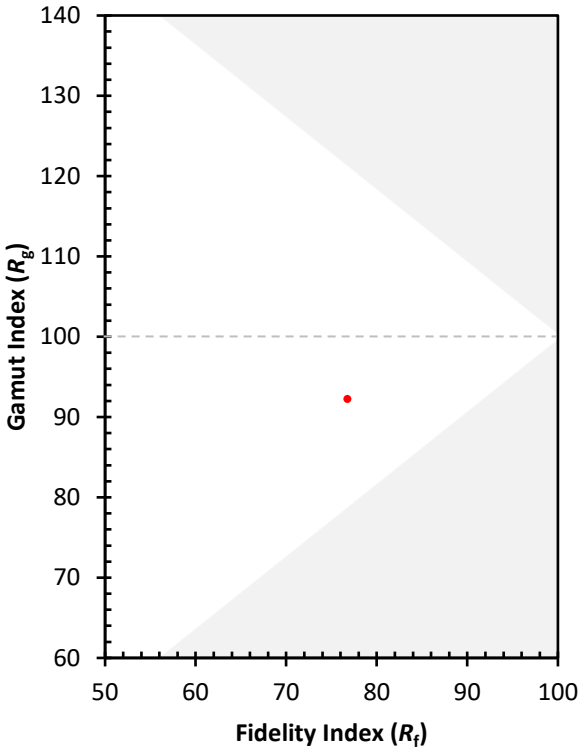


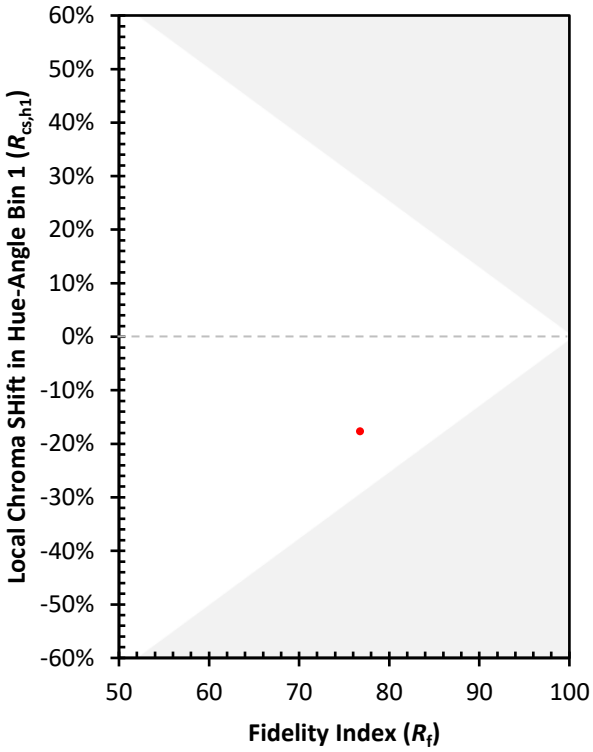


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Measure Comparisons





(END OF REPORT)