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: P1046205

Luminaire Tested: **FFX-CLB-50-730-U-FR-T4-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:	P1046205
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-730-U-FR-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7296 lumens
Efficiency:	N/A
Efficacy:	144.2 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

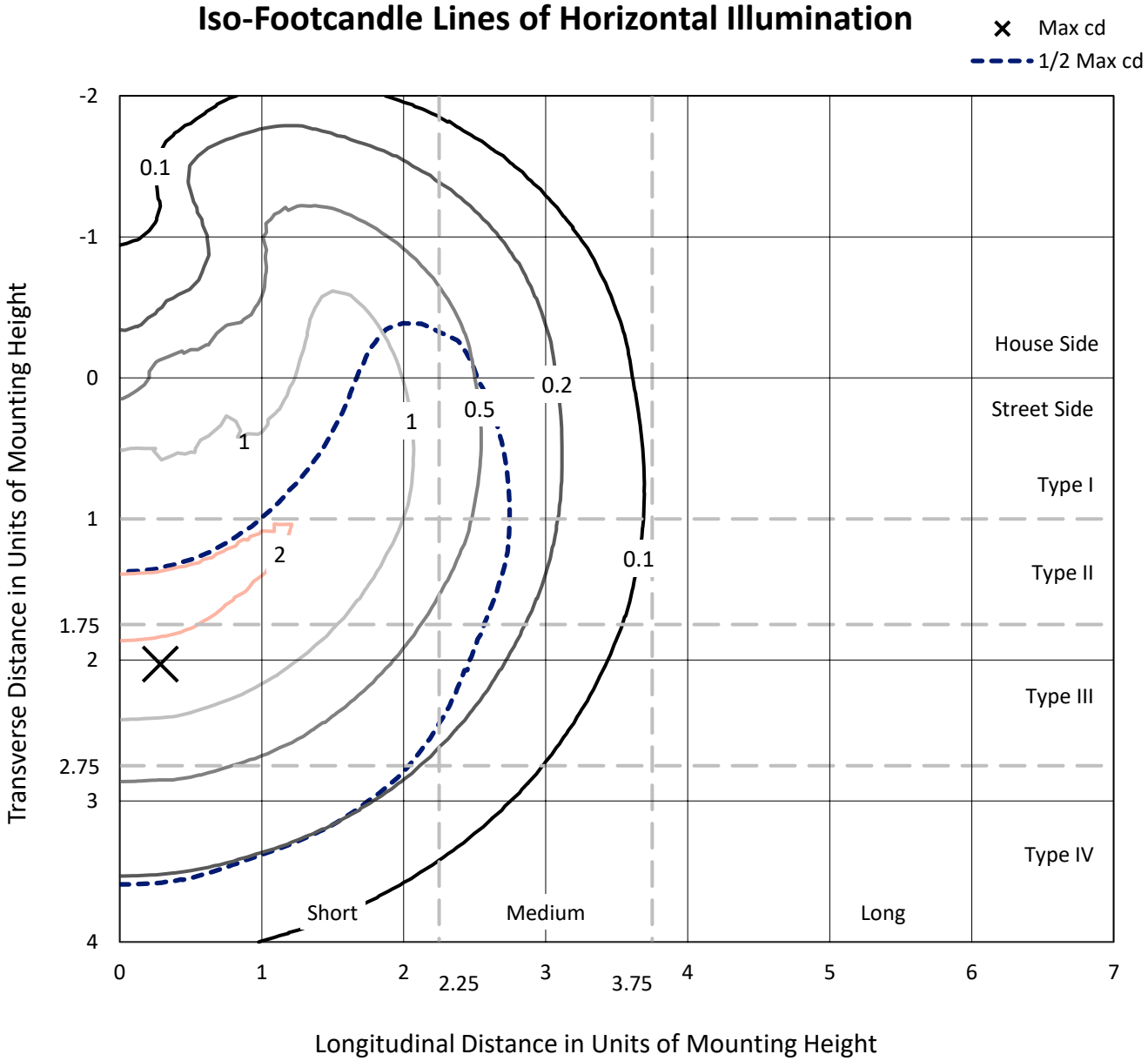


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Iso-Footcandle Lines of Horizontal Illumination



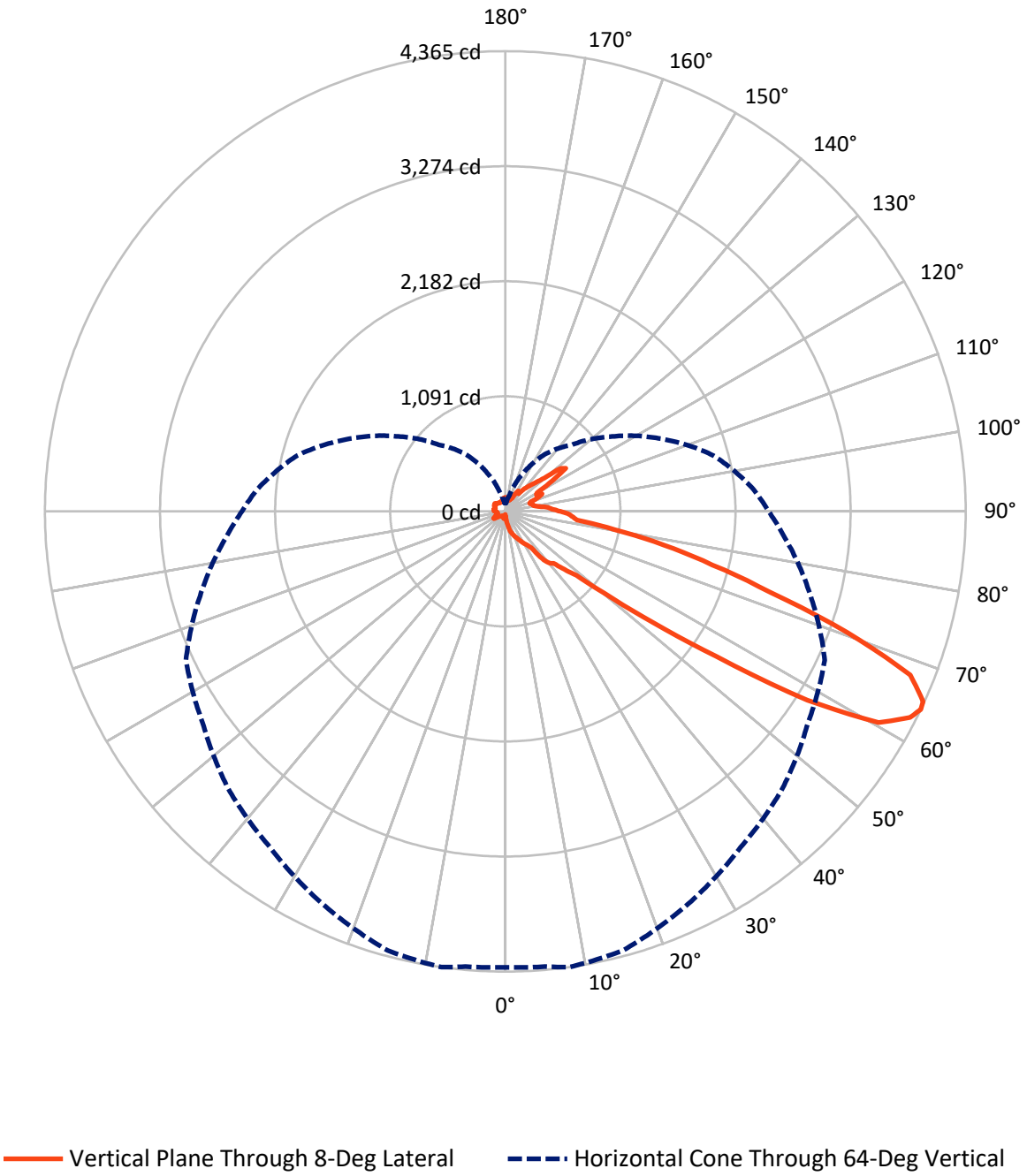
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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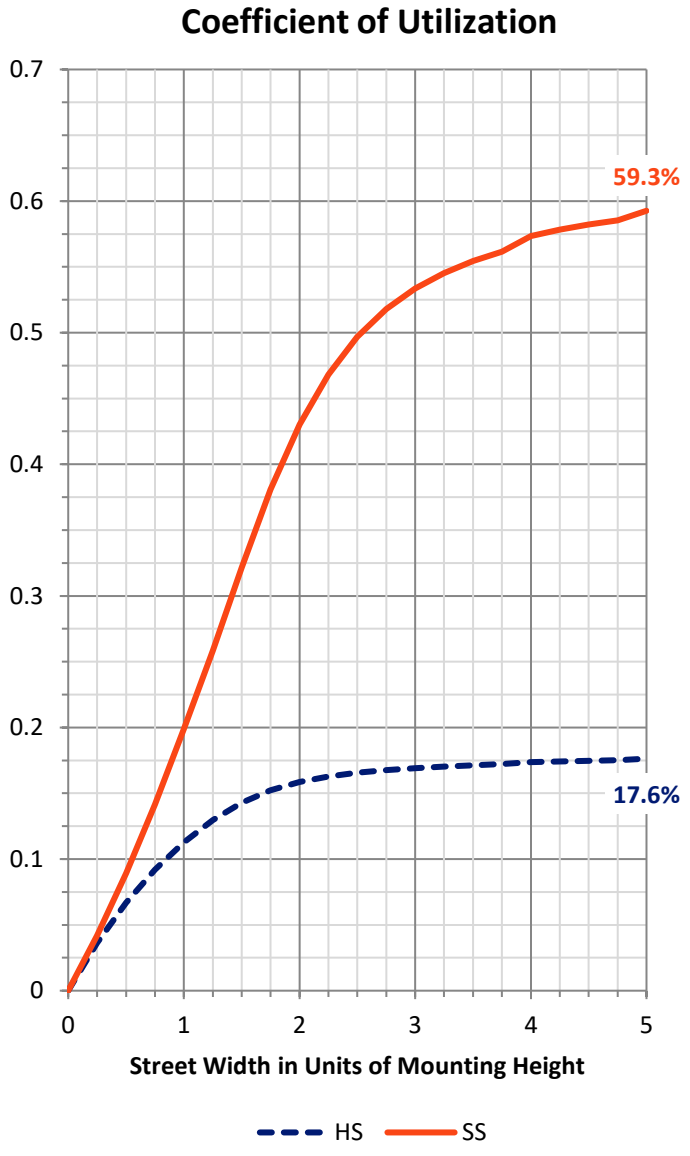
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1334.3	498.4	1832.8
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	4508.9	954.4	5463.3
	% Fixture	61.8	13.1	74.9
Total	Lumens	5843.2	1452.9	7296.0
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	40.2	0.6
20°-30°	87.2	1.2
30°-40°	174.3	2.4
40°-50°	377.3	5.2
50°-60°	1307.8	17.9
60°-70°	2199.9	30.2
70°-80°	1196.3	16.4
80°-90°	452.8	6.2
90°-100°	285.8	3.9
100°-110°	192.8	2.6
110°-120°	208.6	2.9
120°-130°	343.2	4.7
130°-140°	211.4	2.9
140°-150°	110.5	1.5
150°-160°	57.6	0.8
160°-170°	31.3	0.4
170°-180°	11.8	0.2
0°-90°	5843.2	80.1
0°-180°	7296.0	100.0



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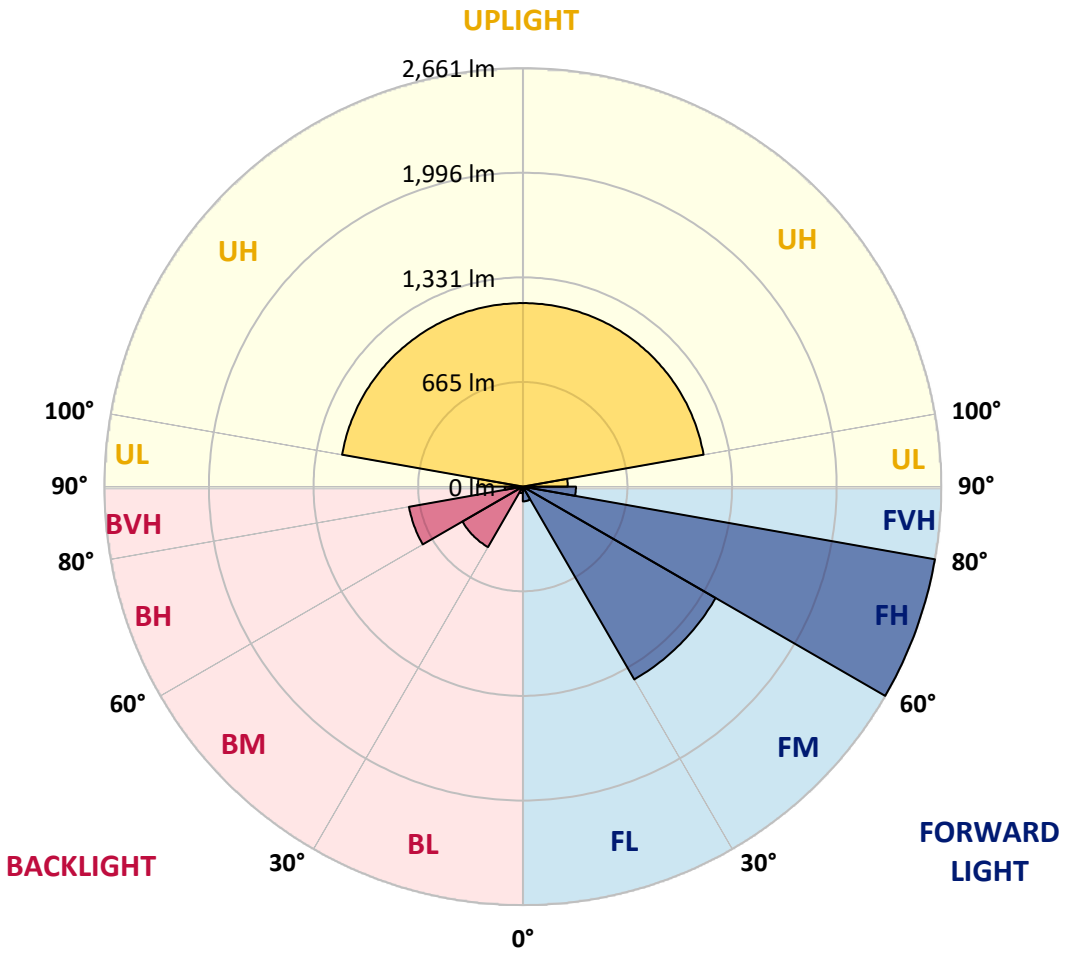
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	93.8	1.3			
FM	(30°-60°)	1415.9	19.4			
FH	(60°-80°)	2661.3	36.5			G2/5000
FVH	(80°-90°)	337.8	4.6			G3/500
BL	(0°-30°)	40.9	0.6	B0/110		
BM	(30°-60°)	443.5	6.1	B1/1000		
BH	(60°-80°)	734.8	10.1	B2/1000		G2/1000
BVH	(80°-90°)	115.0	1.6			G2/225
UL	(90°-100°)	285.8	3.9		U3/500	
UH	(100°-180°)	1167.1	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°	46.9	46.9	*46.9*	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
2.5°	50.9	50.9	*50.9*	52.5	53.5	54.0	52.5	51.4	50.9	50.4	48.9
5°	73.1	73.6	*73.6*	75.2	74.1	75.2	73.1	71.6	69.1	66.1	63.6
7.5°	103.4	103.4	*102.9*	103.4	102.9	100.9	100.9	102.4	98.4	92.3	86.8
10°	140.2	141.2	*140.7*	138.7	135.7	133.2	133.2	135.2	129.1	118.5	110.5
12.5°	177.5	179.6	*177.5*	178.0	173.0	171.0	166.9	165.9	157.9	147.8	133.7
15°	205.3	206.8	*207.3*	208.8	208.3	201.8	194.7	187.1	180.6	171.5	156.9
17.5°	227.5	228.0	*229.0*	228.5	225.5	218.9	210.8	202.8	192.2	182.6	169.0
20°	249.2	251.2	*250.7*	250.2	248.7	243.6	234.0	222.4	213.4	199.2	185.1
22.5°	271.4	269.8	*270.9*	270.3	270.3	265.3	255.2	241.6	229.5	215.4	202.8
25°	297.1	296.6	*297.1*	295.6	293.5	291.0	278.4	262.8	249.2	234.5	216.9
27.5°	324.3	324.8	*325.3*	322.8	320.3	316.2	298.1	282.5	267.8	249.7	225.0
30°	354.6	353.1	*353.6*	350.0	348.5	335.9	318.3	299.6	283.5	259.3	235.0
32.5°	382.3	379.8	*379.3*	376.3	373.7	355.6	337.4	319.3	300.1	275.4	254.2
35°	421.2	426.2	*424.2*	424.2	430.7	403.0	381.8	364.2	343.5	317.8	295.6
37.5°	579.5	578.5	*572.5*	564.4	541.7	522.0	512.4	484.7	451.4	423.2	387.9
40°	656.2	653.2	*646.6*	630.5	614.3	591.1	576.5	559.4	542.2	492.3	435.8
42.5°	674.4	671.8	*673.3*	692.5	713.7	696.5	639.6	577.5	547.3	513.5	485.2
45°	773.7	782.3	*784.8*	784.3	769.2	751.0	726.3	689.0	636.5	588.6	529.6
47.5°	899.8	898.8	*904.9*	896.8	909.4	877.6	845.8	807.0	752.5	687.5	616.9
50°	1229.7	1219.1	*1220.6*	1223.6	1204.5	1181.3	1152.5	1130.8	1024.4	932.1	824.7
52.5°	1753.7	1755.2	*1744.1*	1743.6	1686.6	1641.8	1591.3	1593.3	1437.0	1312.9	1157.5
55°	2464.9	2465.9	*2426.1*	2458.8	2394.8	2388.7	2277.3	2133.5	1923.2	1754.2	1597.9
57.5°	3350.6	3380.8	*3377.3*	3318.8	3221.0	3168.0	2987.9	2837.1	2539.5	2274.2	2061.9
60°	4105.1	4091.0	*4067.8*	4023.4	3730.4	3607.3	3474.7	3346.0	3099.4	2732.2	2414.5
62.5°	4320.5	4309.9	*4305.9*	4283.7	4052.2	3849.4	3682.5	3472.1	3307.2	2947.1	2623.3
64°	*4324.0*	*4333.6*	*4364.9*	*4311.9*	*4106.1*	*3889.8*	*3716.8*	*3501.9*	*3341.5*	*2986.4*	*2648.5*
65°	4316.0	4313.9	*4353.3*	4286.2	4103.6	3887.7	3695.6	3489.8	3330.9	2975.8	2641.9
67.5°	4099.6	4091.0	*4141.4*	4055.2	3895.8	3701.1	3512.5	3291.6	3151.9	2810.9	2487.6
70°	3364.2	3363.7	*3442.4*	3370.3	3322.8	3116.6	2923.9	2721.1	2571.8	2291.9	2021.5
72.5°	2577.9	2573.3	*2625.8*	2571.8	2547.6	2450.3	2270.2	2091.2	1948.9	1739.1	1520.2
75°	2054.3	2056.3	*2028.6*	1975.6	1956.0	1912.6	1832.4	1725.5	1606.4	1415.8	1214.0
77.5°	1538.4	1528.3	*1540.4*	1466.2	1460.7	1447.6	1447.1	1378.5	1277.6	1156.0	996.1
80°	1025.4	1031.5	*1053.1*	1033.5	1039.0	1034.5	1062.7	990.1	913.4	841.8	756.6
82.5°	663.3	679.4	*685.4*	712.7	736.4	747.0	708.1	635.0	587.1	560.9	523.0
85°	636.5	643.1	*639.6*	623.4	615.3	602.2	601.7	578.5	553.8	503.4	441.8
87.5°	587.1	594.7	*591.6*	577.5	559.4	557.8	554.3	538.2	526.6	486.7	432.3
90°	500.8	501.4	*503.9*	501.4	497.8	495.3	475.1	465.5	458.5	424.2	387.4
92.5°	434.3	440.3	*438.8*	434.3	422.7	429.7	408.0	389.9	385.8	362.1	333.9
95°	399.0	403.0	*404.0*	395.9	384.8	382.3	365.7	351.6	345.0	329.4	295.1
97.5°	330.9	328.4	*326.3*	324.3	316.7	308.7	298.1	280.4	274.9	257.7	238.6
100°	282.5	283.5	*282.5*	280.9	274.4	270.3	262.8	248.7	242.6	231.5	218.4
102.5°	269.3	269.8	*269.8*	270.3	259.3	250.2	242.1	232.0	226.5	216.9	204.3
105°	257.2	257.2	*258.2*	258.7	247.6	234.5	222.9	217.4	214.9	203.8	190.7
107.5°	242.1	241.6	*243.1*	236.6	225.5	219.9	207.8	201.2	200.2	191.7	178.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	264.3	258.7	*257.7*	241.6	226.5	213.9	207.8	201.8	198.2	186.6	178.0
112.5°	346.0	338.4	*336.4*	321.3	268.3	263.8	258.2	256.2	254.2	238.6	223.9
115°	381.3	381.3	*387.4*	381.3	344.5	302.6	296.6	287.5	291.0	271.9	250.7
117.5°	305.1	326.3	*332.4*	314.2	315.7	289.0	247.6	233.5	226.5	220.9	230.5
120°	342.5	356.6	*350.5*	317.3	302.1	286.5	288.5	283.5	258.2	223.4	227.0
122.5°	510.4	523.5	*528.1*	530.6	537.7	527.1	503.4	470.1	444.9	403.0	379.3
125°	714.7	705.1	*704.1*	708.7	714.2	700.6	690.5	683.9	668.3	613.3	536.2
127.5°	656.2	651.7	*659.2*	658.2	671.8	648.6	644.1	647.6	641.6	610.8	565.9
130°	470.6	478.7	*484.2*	502.4	529.1	508.4	489.2	460.5	458.5	473.6	449.9
132.5°	394.9	398.5	*408.5*	432.3	452.4	443.9	415.6	387.9	385.8	398.5	396.4
135°	349.0	351.6	*353.1*	354.1	350.5	358.6	352.6	342.5	335.9	336.4	330.4
137.5°	311.7	312.7	*311.7*	303.6	294.1	292.5	307.7	308.2	302.1	291.5	283.5
140°	270.3	270.3	*266.3*	260.8	259.3	259.8	268.3	269.8	262.8	254.2	242.1
142.5°	211.3	208.8	*209.3*	218.4	234.5	231.0	219.9	205.8	203.8	213.9	209.8
145°	228.5	228.0	*226.5*	227.0	222.9	216.4	212.3	207.8	199.7	193.2	186.6
147.5°	230.5	228.5	*229.5*	227.5	225.5	222.4	220.9	222.9	220.9	216.4	207.8
150°	182.1	183.1	*184.1*	181.6	183.6	184.6	183.6	182.1	184.6	179.1	175.5
152.5°	142.2	141.7	*141.2*	142.2	141.7	143.7	144.3	143.7	142.7	142.2	136.7
155°	133.7	135.2	*134.2*	131.1	133.2	134.7	136.7	138.2	136.7	134.2	129.1
157.5°	123.1	123.1	*123.1*	123.1	123.6	124.1	126.6	127.6	127.6	126.1	122.6
160°	114.5	115.0	*115.0*	115.0	116.0	117.0	118.5	119.5	120.5	119.5	117.5
162.5°	109.5	108.9	*108.9*	109.5	109.5	111.0	112.5	114.5	115.0	114.0	114.0
165°	106.4	106.4	*106.4*	106.9	107.9	108.9	111.0	111.5	112.0	113.0	113.0
167.5°	110.0	110.0	*110.0*	110.5	111.5	113.0	114.0	115.0	117.0	117.5	117.5
170°	115.5	115.5	*115.5*	116.0	116.5	117.0	117.5	118.5	119.0	120.0	119.5
172.5°	121.1	120.5	*121.1*	121.1	121.1	121.1	121.1	121.6	122.1	122.1	122.1
175°	127.1	127.1	*127.6*	127.1	126.1	126.1	126.1	126.6	126.6	126.6	126.1
177.5°	133.2	133.2	*132.7*	133.2	132.7	132.1	131.6	131.1	130.1	130.1	129.1
180°	129.6	129.6	*129.6*	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
2.5°	47.9	45.9	43.4	40.4	37.3	35.3	33.3	30.8	29.3	28.7	28.7
5°	60.5	59.0	56.5	52.5	49.9	45.4	41.4	38.8	36.3	33.8	31.8
7.5°	84.7	84.2	85.7	88.8	84.7	74.1	63.0	57.0	57.5	60.5	62.0
10°	106.4	103.4	103.9	111.0	104.4	84.2	69.1	63.6	66.6	72.6	73.6
12.5°	129.1	124.6	121.1	119.5	104.9	82.2	68.6	62.0	63.6	68.6	68.6
15°	149.8	144.3	136.2	125.6	108.4	88.3	71.6	62.0	62.0	61.5	60.5
17.5°	161.4	155.3	140.7	124.1	105.4	87.3	70.1	60.5	55.5	51.4	50.9
20°	179.6	176.5	157.9	134.2	108.4	85.2	67.6	58.0	52.5	49.4	48.4
22.5°	197.2	188.6	164.4	140.2	111.0	84.7	66.6	57.5	52.5	49.9	48.9
25°	206.8	196.2	172.0	147.3	114.5	85.2	67.6	58.5	53.0	50.4	49.9
27.5°	214.4	203.3	180.6	153.8	119.0	87.3	70.6	60.0	54.0	50.9	50.4
30°	224.4	213.9	190.7	161.9	123.1	91.8	74.1	62.5	55.5	52.5	52.0
32.5°	243.6	230.5	203.3	169.0	128.1	96.3	78.7	66.6	58.0	53.5	53.5
35°	283.5	269.3	233.0	188.1	133.7	99.9	81.7	69.1	60.0	55.0	54.5
37.5°	367.2	349.5	305.1	235.5	147.3	104.9	85.2	70.6	61.0	56.5	55.5
40°	407.5	374.8	324.8	263.3	170.0	113.0	90.8	74.1	62.5	57.0	56.5
42.5°	456.5	429.2	360.6	270.3	188.6	131.6	100.4	79.2	65.6	58.0	57.5
45°	504.4	477.6	416.6	328.9	227.0	160.9	116.0	87.8	70.1	60.5	59.0
47.5°	588.1	544.2	471.1	384.8	279.4	203.8	142.7	99.9	77.7	63.6	61.5
50°	795.4	766.7	654.7	522.5	363.7	265.3	194.2	128.1	86.2	65.6	62.5
52.5°	1072.8	1018.3	891.2	729.3	527.6	393.9	284.0	190.2	105.9	67.6	63.6
55°	1512.1	1427.4	1281.1	1000.7	757.1	597.2	444.4	312.2	161.4	72.1	64.1
57.5°	1981.7	1905.0	1730.5	1383.0	1025.9	760.6	585.1	440.8	226.5	82.2	69.6
60°	2295.9	2162.3	1963.0	1627.1	1240.3	894.3	654.7	462.5	235.0	84.2	72.6
62.5°	2476.0	2337.8	2043.2	1657.4	1278.6	924.0	684.9	423.7	187.6	81.7	75.7
64°	*2497.2*	*2364.0*	*2044.2*	*1628.6*	*1237.7*	*893.3*	*663.8*	*397.4*	*162.9*	*80.7*	*77.2*
65°	2480.5	2357.5	2019.5	1594.3	1182.8	853.4	638.5	371.2	144.8	79.7	77.7
67.5°	2318.6	2210.7	1856.6	1446.1	1051.6	736.9	524.0	285.5	113.5	77.7	76.7
70°	1877.8	1828.4	1526.2	1166.6	831.2	587.6	413.1	218.4	96.3	75.7	74.6
72.5°	1408.7	1346.2	1138.9	890.2	647.6	457.0	313.7	168.0	85.2	73.6	72.6
75°	1129.3	1068.3	902.8	701.1	481.7	341.5	232.0	125.6	80.2	73.1	72.1
77.5°	933.6	884.7	742.4	533.6	342.5	244.6	170.5	102.4	78.7	73.6	72.6
80°	718.2	710.2	580.0	388.4	242.6	182.6	137.7	95.8	79.2	75.7	74.6
82.5°	503.9	483.7	409.6	289.0	209.8	166.9	132.1	97.3	83.2	80.2	79.7
85°	415.1	399.5	350.5	277.9	199.7	161.4	130.6	99.9	87.3	84.7	83.7
87.5°	410.6	393.4	347.0	265.8	189.6	153.8	124.6	97.3	86.8	85.2	86.2
90°	372.7	360.1	317.3	245.1	188.1	156.4	130.1	107.4	96.3	91.3	90.3
92.5°	326.3	318.8	288.5	238.1	195.2	165.4	141.7	119.0	108.9	105.9	104.4
95°	285.0	281.9	257.2	216.4	180.1	155.9	134.2	114.5	105.9	101.9	101.4
97.5°	233.5	230.0	210.8	184.1	157.4	137.2	121.1	105.9	99.9	99.4	98.9
100°	213.4	210.8	197.2	180.1	158.9	143.7	129.6	117.0	112.0	112.0	112.5
102.5°	197.2	195.7	183.6	165.9	149.3	135.2	123.6	112.0	105.9	105.9	102.4
105°	184.1	181.6	170.5	156.4	139.2	126.1	115.0	106.4	99.9	97.8	97.8
107.5°	172.5	169.5	160.4	146.8	134.2	121.6	111.5	103.4	98.9	97.3	97.3

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

Scaled Data Report

REPORT NUMBER: P1046205
CATALOG NUMBER: FFX-CLB-50-730-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	173.0	170.5	159.9	145.3	133.7	124.1	116.0	108.4	104.4	101.4	101.4
112.5°	212.8	202.3	183.6	161.9	148.8	136.2	123.6	113.0	107.9	106.9	105.9
115°	241.1	230.5	207.3	179.1	155.3	137.7	125.1	117.0	112.5	115.5	117.0
117.5°	242.1	222.9	178.5	164.9	147.8	133.2	124.6	119.5	116.5	119.5	119.5
120°	246.6	207.8	184.1	178.5	158.4	137.7	128.1	127.1	124.1	118.0	118.0
122.5°	366.7	331.4	293.5	245.6	203.8	184.1	166.9	137.2	123.1	116.5	116.0
125°	505.4	468.6	409.6	345.5	285.0	221.9	164.9	140.7	126.1	118.0	116.5
127.5°	537.2	508.4	430.7	354.1	268.3	206.8	165.4	144.8	130.1	121.6	120.0
130°	433.3	410.6	358.1	295.6	236.0	191.2	161.4	140.7	126.6	118.0	116.0
132.5°	385.3	364.2	312.7	255.7	209.3	174.5	147.8	127.6	113.5	107.4	107.4
135°	322.3	307.7	261.8	228.0	194.7	165.4	139.2	120.5	108.9	105.4	105.4
137.5°	276.4	264.8	232.0	205.3	179.6	154.3	131.6	116.5	108.4	104.9	104.4
140°	236.6	229.0	209.8	183.6	158.9	134.2	116.5	107.9	104.4	102.9	102.4
142.5°	205.8	200.2	183.1	155.9	131.6	116.5	110.0	107.4	103.9	100.4	99.9
145°	180.1	175.5	155.9	140.2	128.6	122.6	117.5	110.0	101.4	96.8	96.3
147.5°	202.3	195.2	178.0	159.9	141.2	127.1	116.0	105.9	97.8	94.8	94.8
150°	174.0	169.0	158.4	144.3	128.6	115.5	105.9	99.4	96.3	95.8	95.8
152.5°	135.2	132.7	129.6	122.6	112.5	103.9	97.8	94.8	95.8	97.8	98.4
155°	127.1	126.1	123.1	116.5	110.0	101.9	96.8	95.3	96.8	98.9	99.4
157.5°	121.1	120.5	118.0	112.0	105.9	100.9	97.3	96.3	97.8	99.4	99.4
160°	116.0	115.5	112.0	107.4	102.9	99.4	96.8	96.8	98.4	99.4	99.4
162.5°	113.0	112.5	110.0	106.4	103.4	101.4	100.9	100.9	101.4	101.9	101.9
165°	113.0	112.5	110.0	106.9	104.9	104.9	105.9	106.4	104.9	103.9	104.4
167.5°	117.5	116.5	113.5	111.0	110.5	111.0	112.5	112.5	111.5	110.0	109.5
170°	119.0	118.5	117.5	116.5	116.5	116.5	117.0	117.5	117.5	118.0	118.0
172.5°	122.1	122.1	121.6	121.6	122.1	121.6	121.6	122.6	123.6	124.1	124.6
175°	126.1	125.6	126.1	126.1	126.6	126.1	125.6	126.6	128.1	129.1	129.1
177.5°	129.1	129.1	128.6	128.1	128.1	128.1	128.1	128.6	128.6	128.6	128.1
180°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

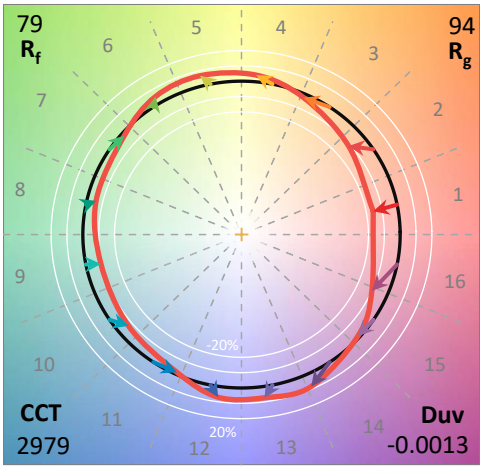
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-9
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-20-730-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2979
CIE u':	0.2518
CIE v':	0.5199
Duv:	-0.0013
CIE x:	0.4365
CIE y:	0.4006
CIE z:	0.1630
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	583
Purity:	51.24251
Rf:	79.2
Rg:	94.4

CRI (Ra):	75.1				
R1:	72.0	R9:	-26.5
R2:	87.0	R10:	72.2
R3:	93.5	R11:	69.1
R4:	71.3	R12:	66.7
R5:	73.0	R13:	75.2
R6:	83.8	R14:	96.7
R7:	76.4	R15:	63.2
R8:	44.1		



Test Conditions

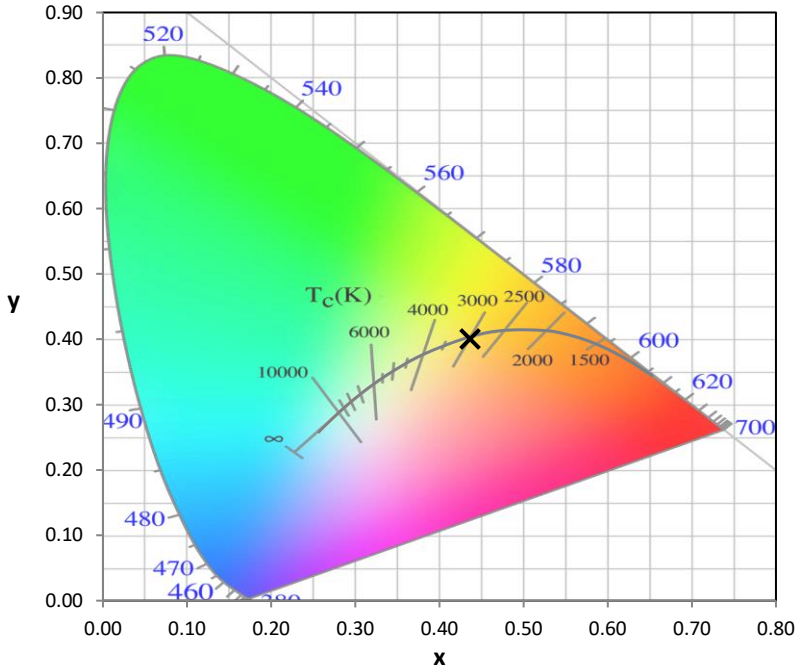
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

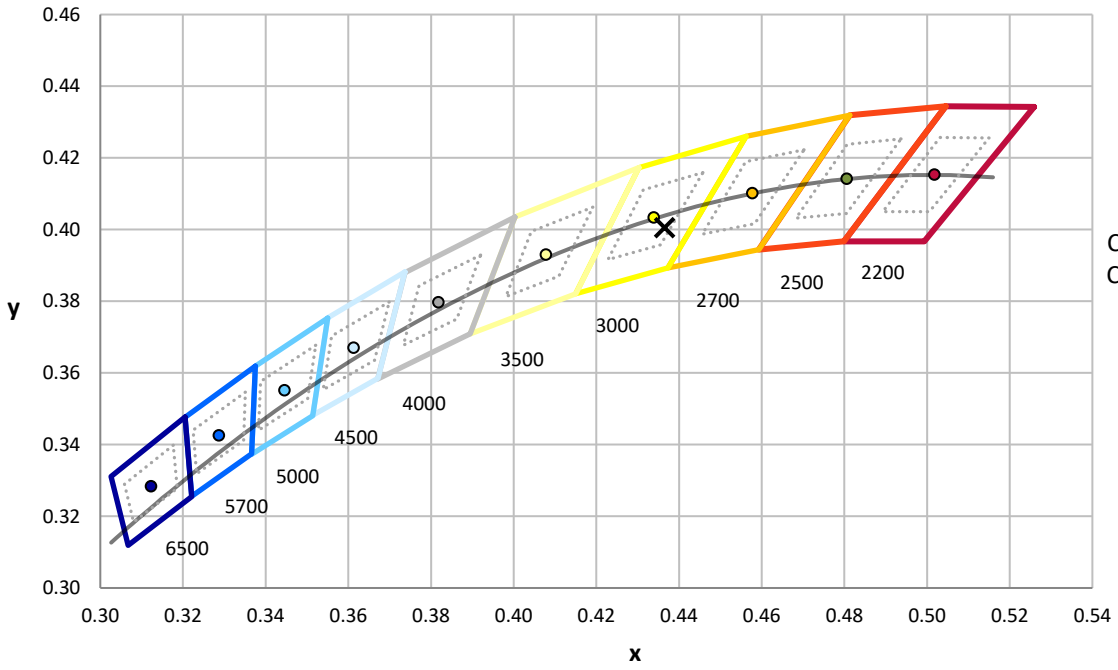
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-9

CIE 1931 Chromaticity Diagram



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

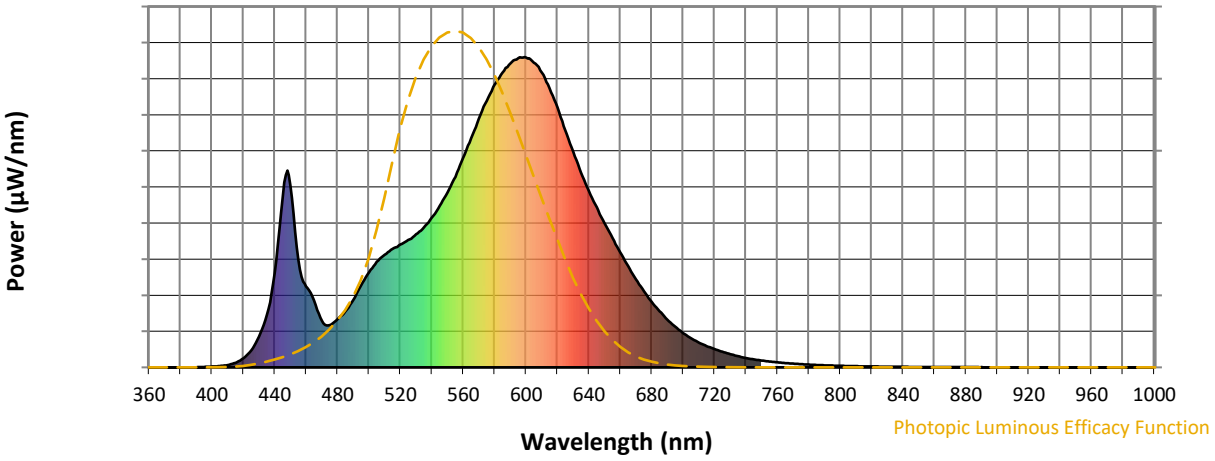


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

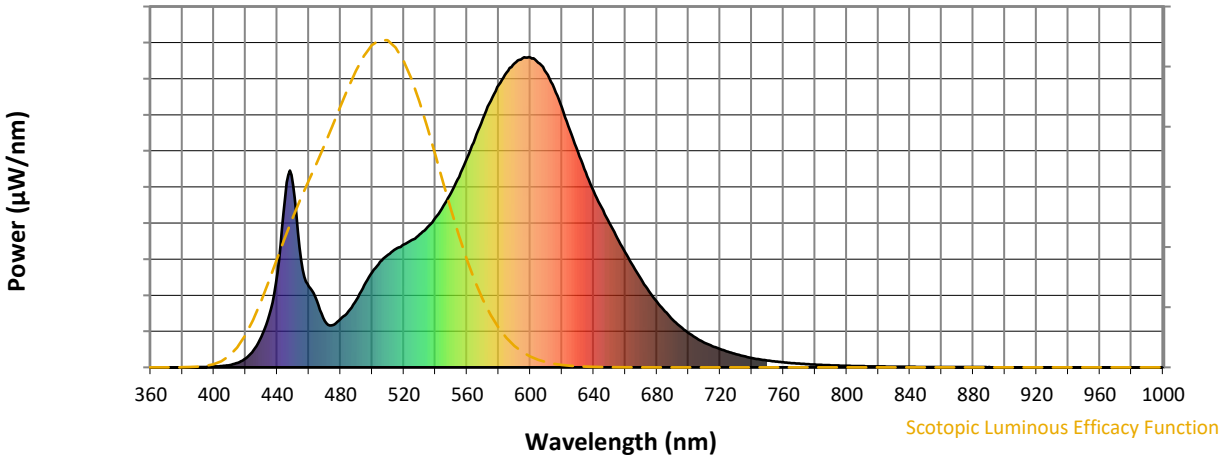


Photopic Lumens: NR

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Scotopic Flux vs. Wavelength

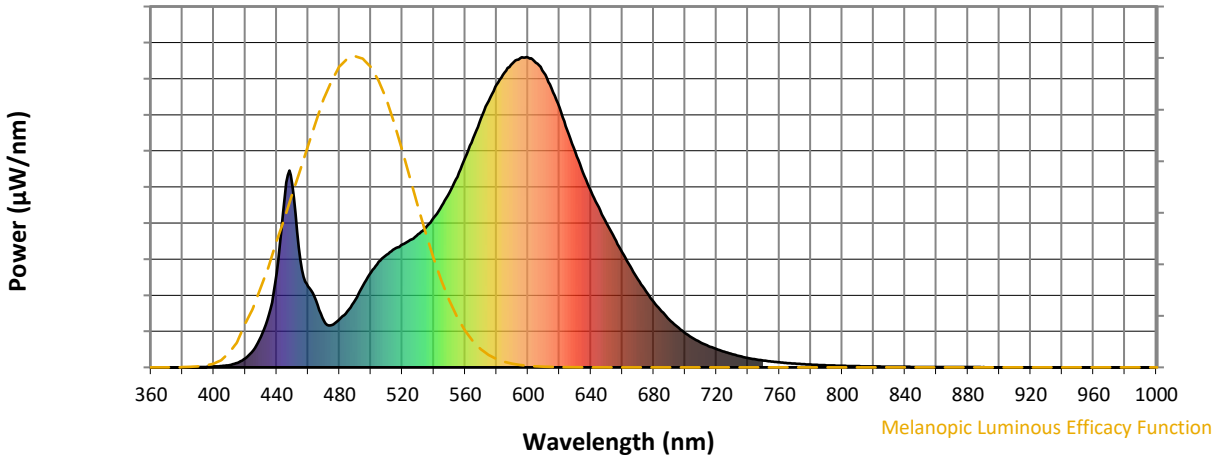


Scotopic Lumens: NR **S/P: 1.29**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

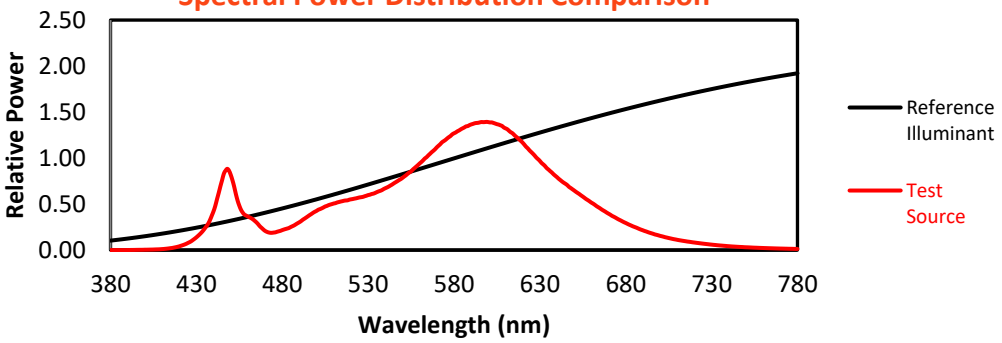
REPORT NUMBER: SP1-2501-332-9

TM-30-18

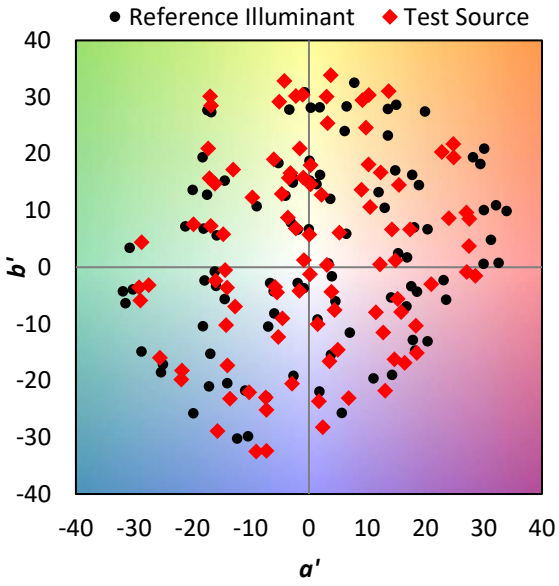
Summary

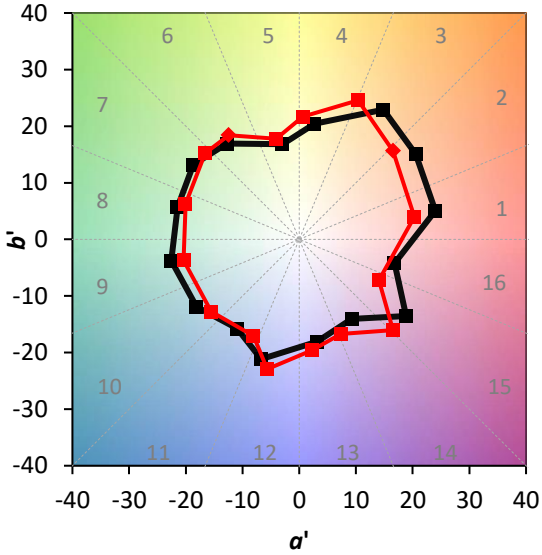
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

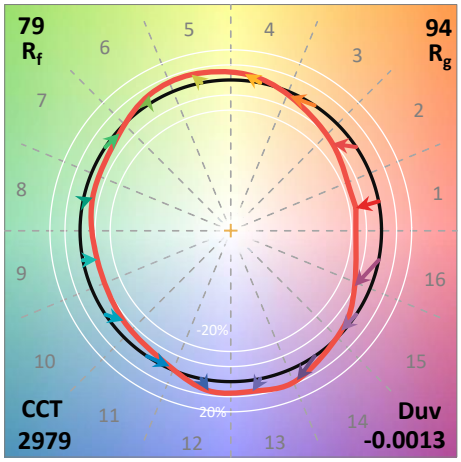
Spectral Power Distribution Comparison

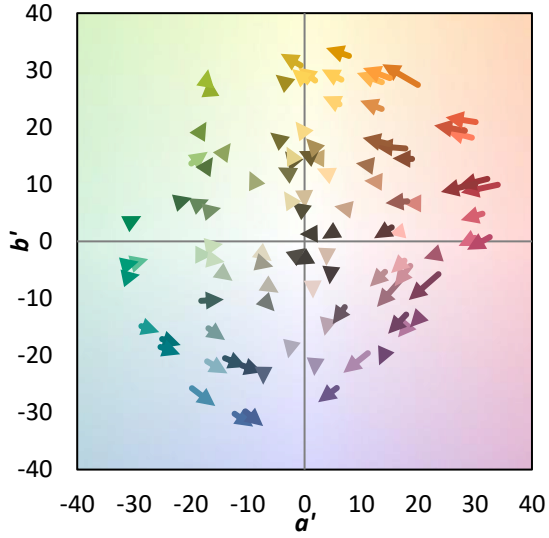


Color Vector Graphics







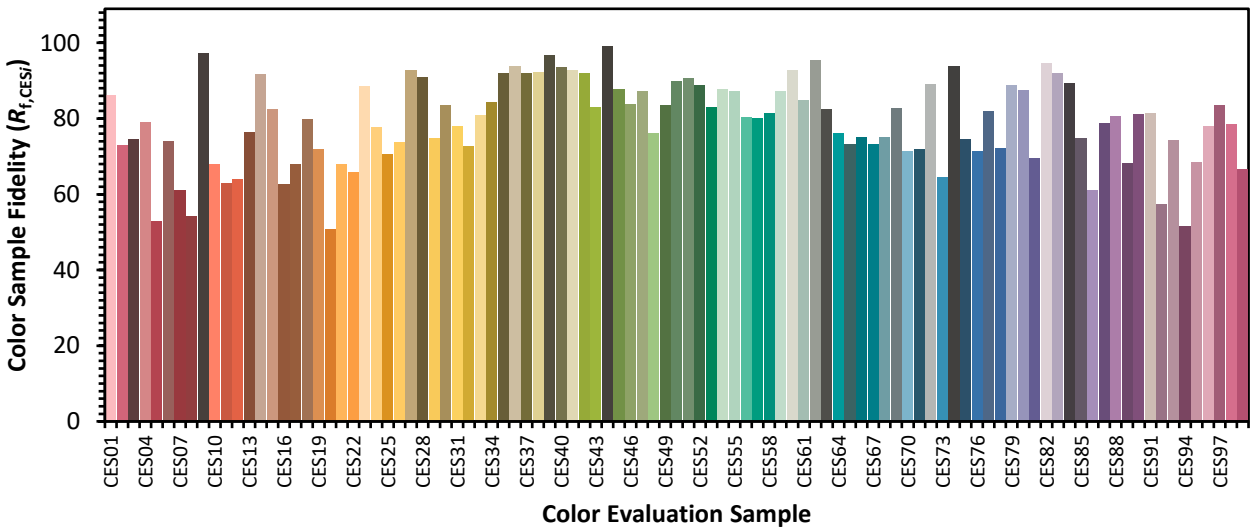


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

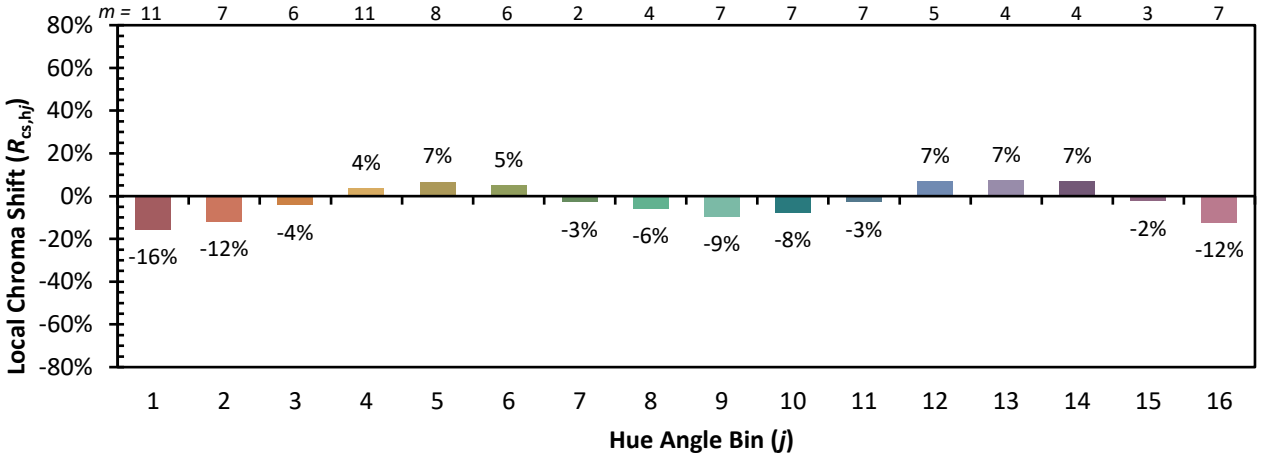
CES01 = 86	CES26 = 74	CES51 = 91	CES76 = 71
CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 95
CES08 = 40	CES33 = 81	CES58 = 81	CES83 = 92
CES09 = 29	CES34 = 84	CES59 = 87	CES84 = 89
CES10 = 76	CES35 = 92	CES60 = 93	CES85 = 75
CES11 = 59	CES36 = 94	CES61 = 85	CES86 = 61
CES12 = 65	CES37 = 92	CES62 = 96	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 76	CES89 = 68
CES15 = 71	CES40 = 94	CES65 = 73	CES90 = 81
CES16 = 47	CES41 = 93	CES66 = 75	CES91 = 81
CES17 = 50	CES42 = 92	CES67 = 73	CES92 = 57
CES18 = 56	CES43 = 83	CES68 = 75	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 52
CES20 = 66	CES45 = 88	CES70 = 71	CES95 = 69
CES21 = 87	CES46 = 84	CES71 = 72	CES96 = 78
CES22 = 79	CES47 = 87	CES72 = 89	CES97 = 84
CES23 = 92	CES48 = 76	CES73 = 64	CES98 = 78
CES24 = 91	CES49 = 84	CES74 = 94	CES99 = 67
CES25 = 72	CES50 = 90	CES75 = 75	

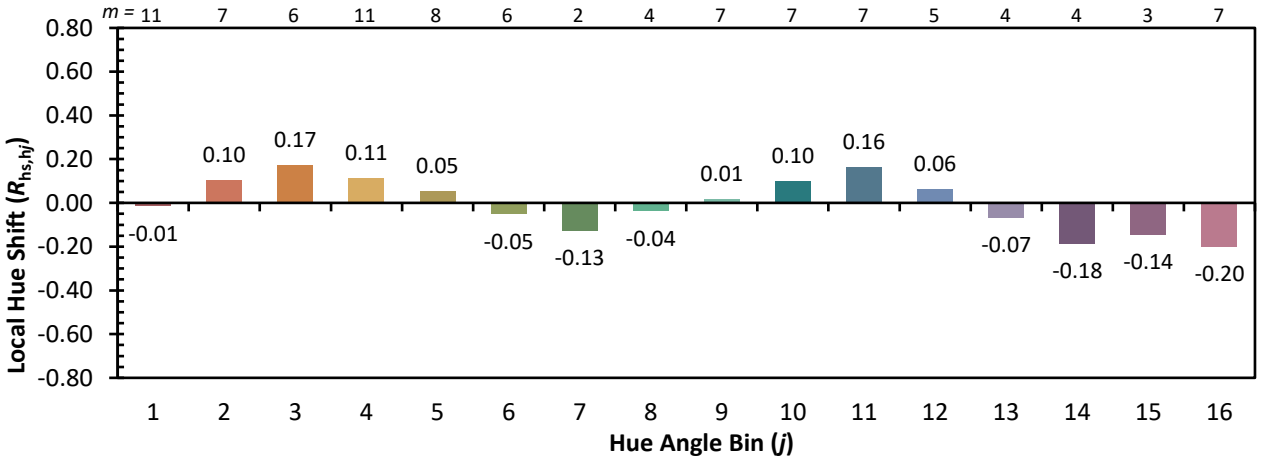


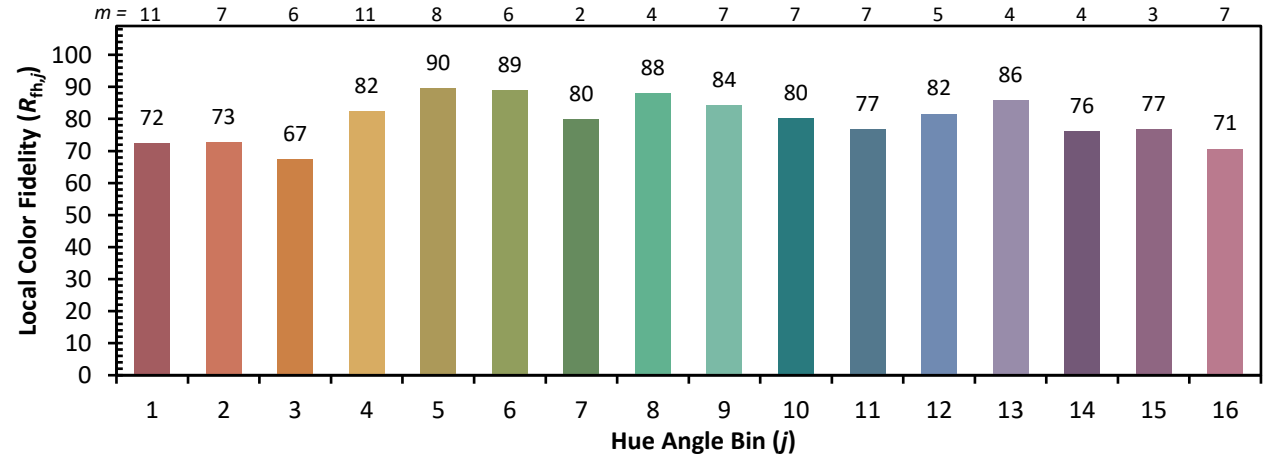
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Color Rendition by Hue-Angle Bin



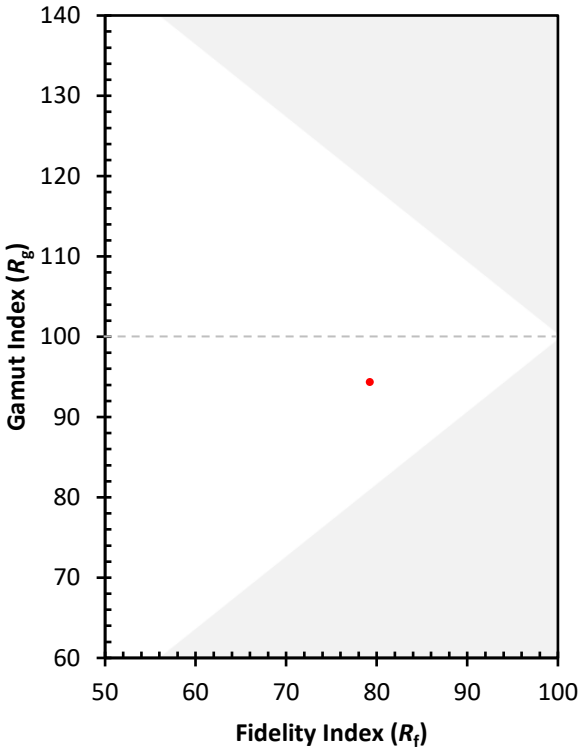


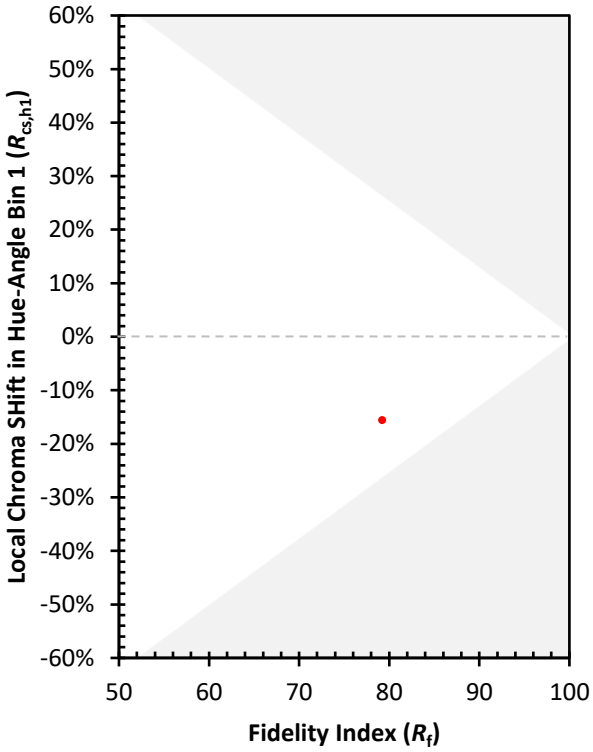


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Measure Comparisons





(END OF REPORT)