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: P1046186

Luminaire Tested: **FFX-CLB-60-722-U-FR-T4-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046186
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-722-U-FR-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7297 lumens
Efficiency:	N/A
Efficacy:	120.4 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

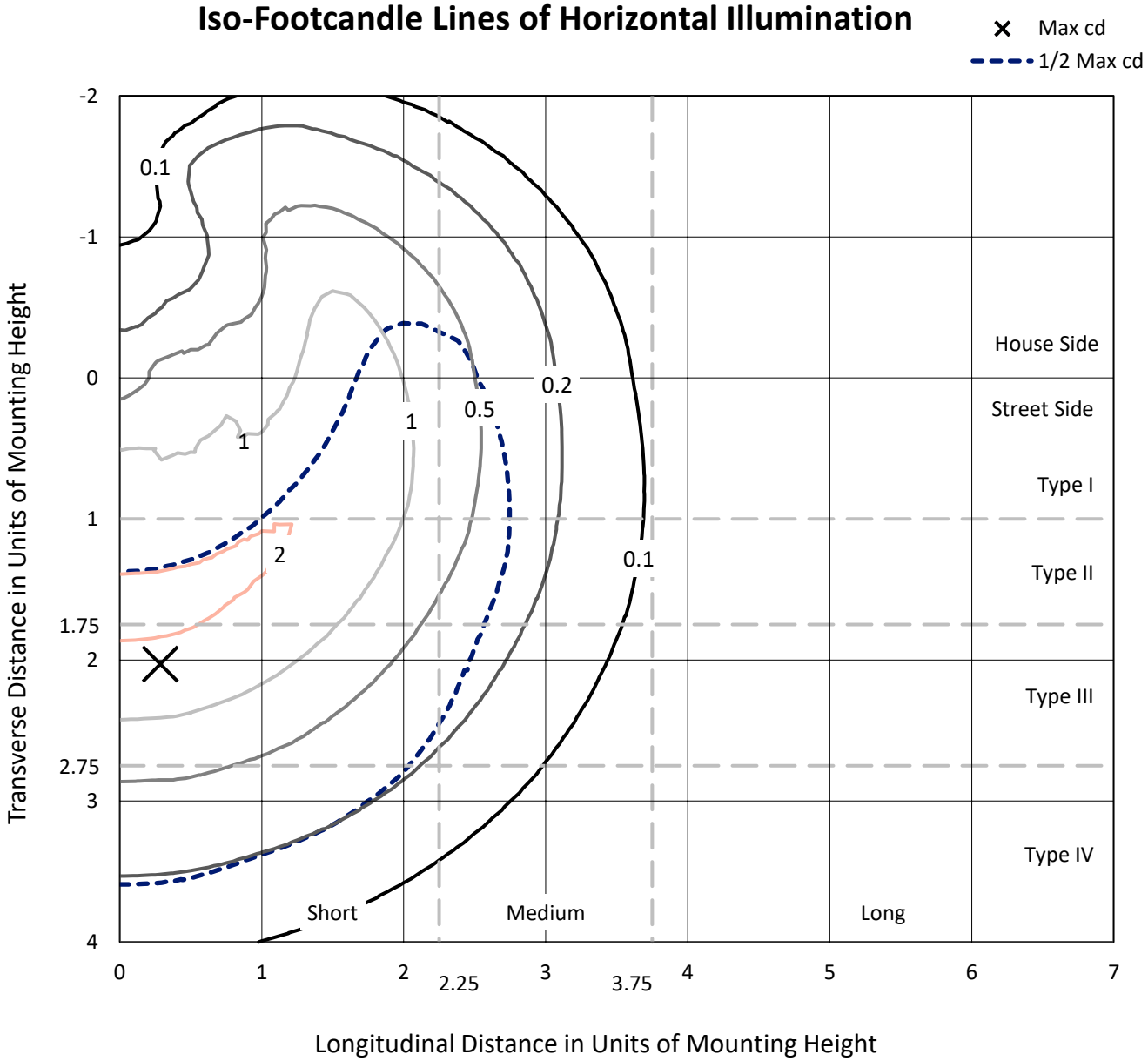


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Iso-Footcandle Lines of Horizontal Illumination



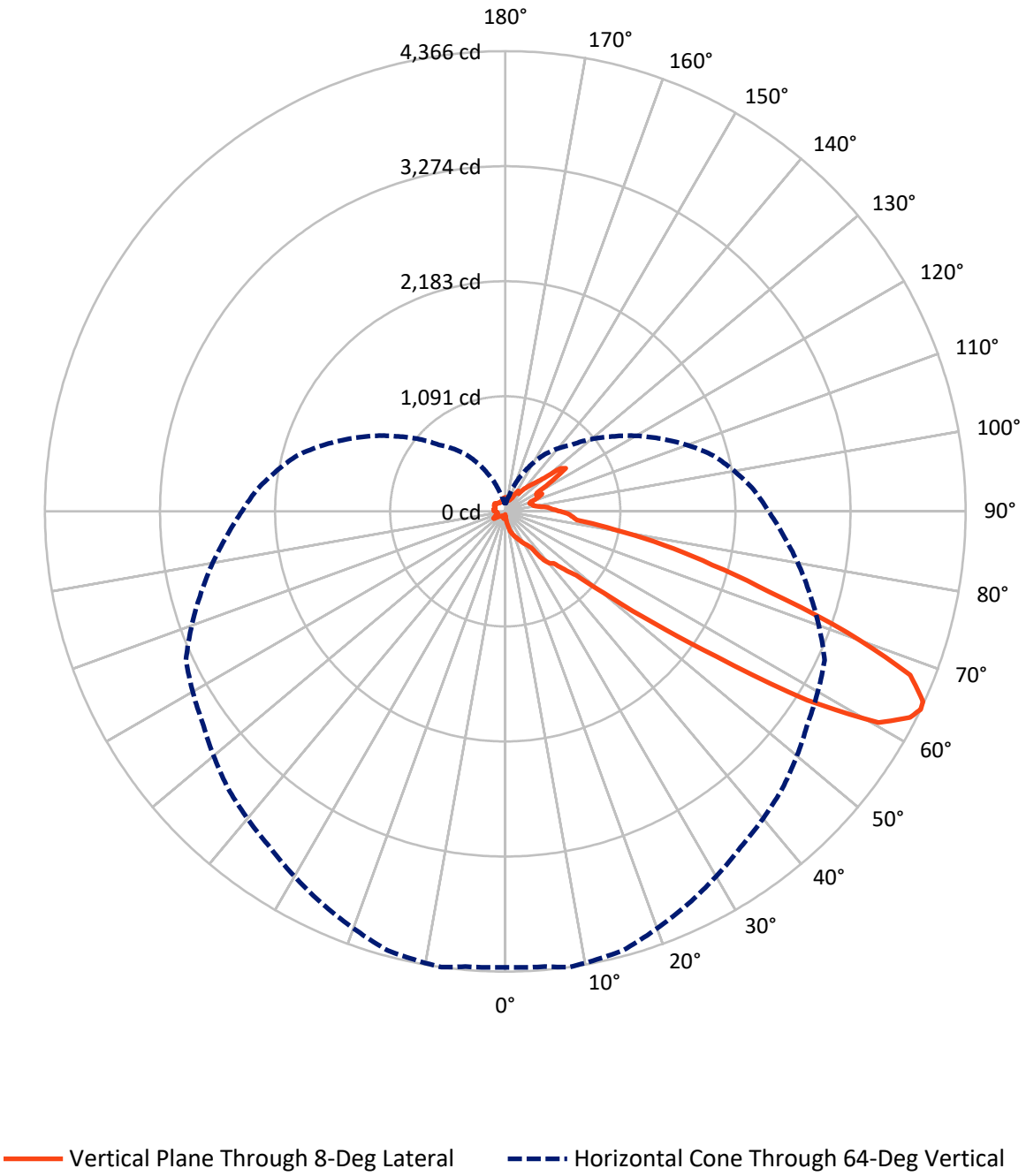
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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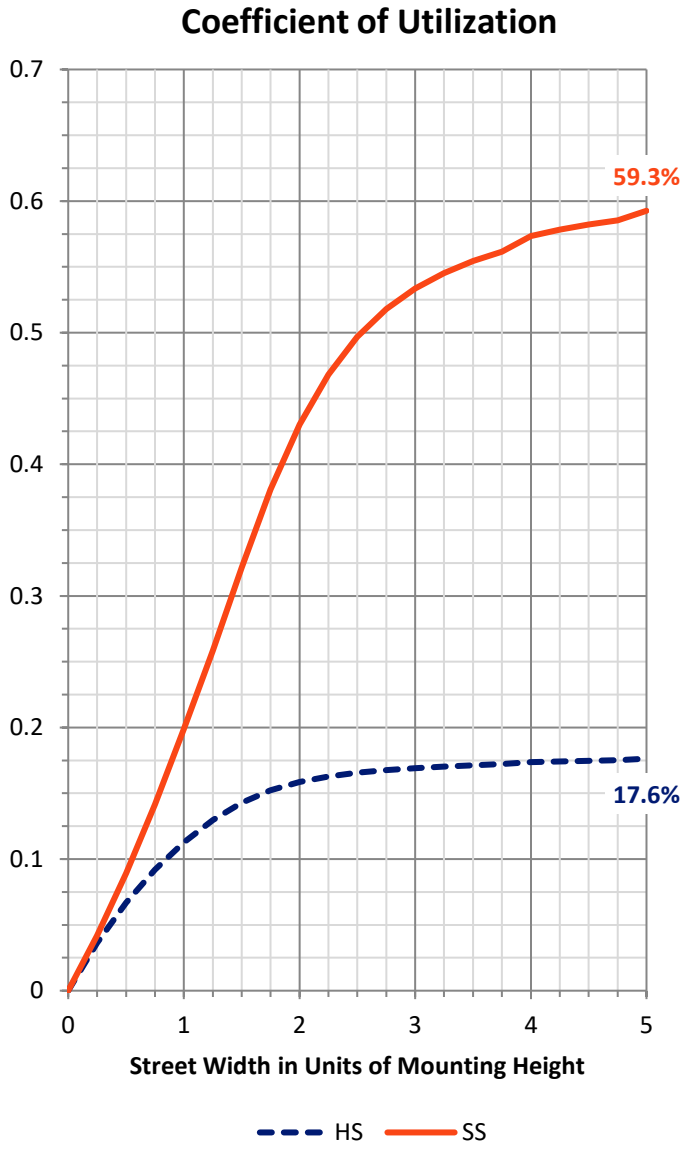
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1334.5	498.5	1833.0
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	4509.5	954.5	5464.0
	% Fixture	61.8	13.1	74.9
Total	Lumens	5844.0	1453.1	7297.0
	% 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°	377.4	5.2
50°-60°	1308.0	17.9
60°-70°	2200.2	30.2
70°-80°	1196.4	16.4
80°-90°	452.9	6.2
90°-100°	285.8	3.9
100°-110°	192.8	2.6
110°-120°	208.6	2.9
120°-130°	343.3	4.7
130°-140°	211.4	2.9
140°-150°	110.6	1.5
150°-160°	57.6	0.8
160°-170°	31.3	0.4
170°-180°	11.8	0.2
0°-90°	5844.0	80.1
0°-180°	7297.0	100.0



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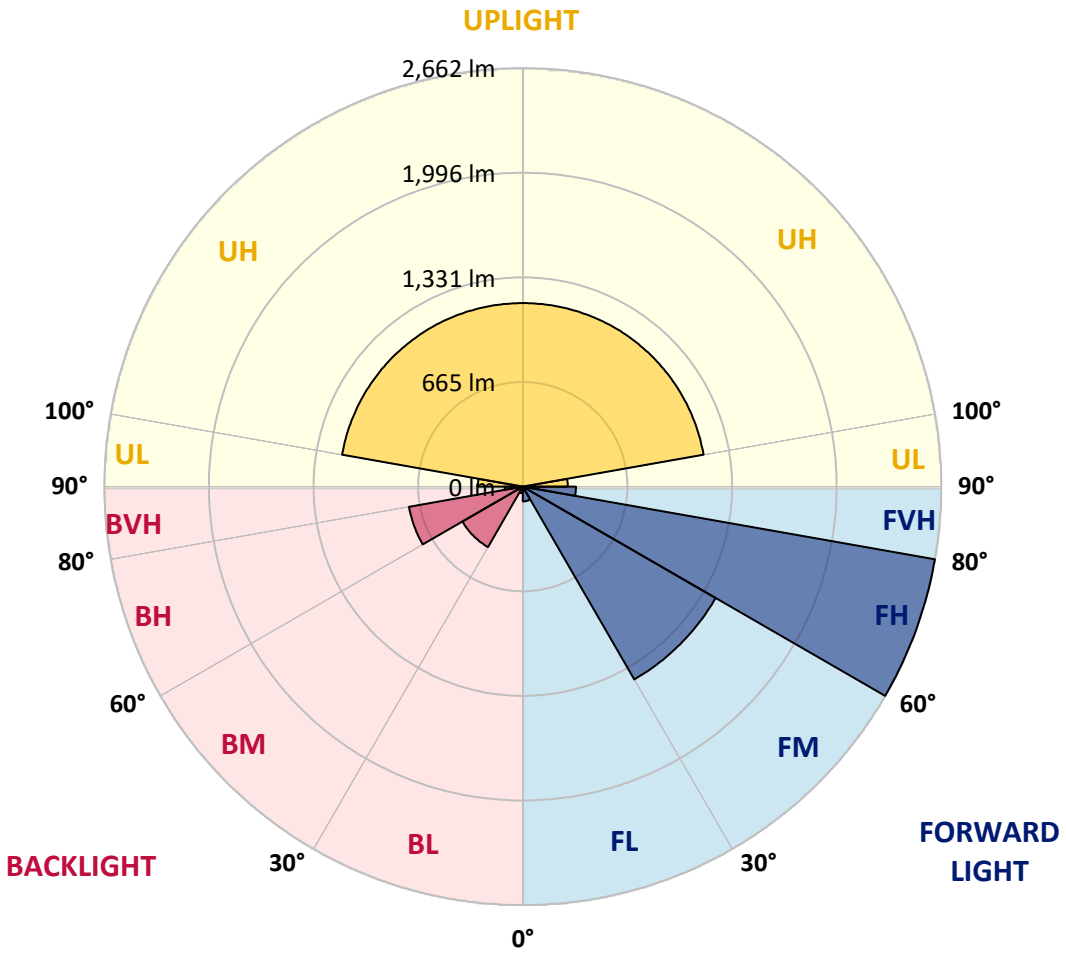
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	93.9	1.3			
FM	(30°-60°)	1416.1	19.4			
FH	(60°-80°)	2661.7	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°)	443.6	6.1	B1/1000		
BH	(60°-80°)	734.9	10.1	B2/1000		G2/1000
BVH	(80°-90°)	115.1	1.6			G2/225
UL	(90°-100°)	285.8	3.9		U3/500	
UH	(100°-180°)	1167.3	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	51.5	50.9	50.4	48.9
5°	73.1	73.6	*73.6*	75.2	74.2	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°	177.6	179.6	*177.6*	178.1	173.0	171.0	167.0	166.0	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	210.9	202.8	192.2	182.6	169.0
20°	249.2	251.2	*250.7*	250.2	248.7	243.6	234.1	222.5	213.4	199.3	185.1
22.5°	271.4	269.9	*270.9*	270.4	270.4	265.3	255.2	241.6	229.5	215.4	202.8
25°	297.1	296.6	*297.1*	295.6	293.6	291.1	278.5	262.8	249.2	234.6	216.9
27.5°	324.4	324.9	*325.4*	322.8	320.3	316.3	298.1	282.5	267.9	249.7	225.0
30°	354.6	353.1	*353.6*	350.1	348.6	336.0	318.3	299.6	283.5	259.3	235.1
32.5°	382.4	379.8	*379.3*	376.3	373.8	355.6	337.5	319.3	300.1	275.4	254.2
35°	421.2	426.3	*424.2*	424.2	430.8	403.1	381.9	364.2	343.5	317.8	295.6
37.5°	579.6	578.6	*572.5*	564.5	541.8	522.1	512.5	484.8	451.5	423.2	387.9
40°	656.3	653.3	*646.7*	630.6	614.4	591.2	576.6	559.4	542.3	492.3	435.8
42.5°	674.4	671.9	*673.4*	692.6	713.8	696.6	639.6	577.6	547.3	513.5	485.3
45°	773.8	782.4	*784.9*	784.4	769.3	751.1	726.4	689.1	636.6	588.7	529.7
47.5°	899.9	898.9	*905.0*	896.9	909.5	877.7	846.0	807.1	752.6	687.6	616.9
50°	1229.8	1219.2	*1220.8*	1223.8	1204.6	1181.4	1152.7	1131.0	1024.5	932.2	824.8
52.5°	1754.0	1755.5	*1744.4*	1743.9	1686.9	1642.0	1591.5	1593.5	1437.2	1313.1	1157.7
55°	2465.2	2466.2	*2426.4*	2459.2	2395.1	2389.1	2277.6	2133.8	1923.5	1754.5	1598.1
57.5°	3351.0	3381.3	*3377.8*	3319.3	3221.4	3168.4	2988.3	2837.5	2539.9	2274.5	2062.2
60°	4105.7	4091.6	*4068.4*	4024.0	3730.9	3607.8	3475.1	3346.5	3099.8	2732.6	2414.8
62.5°	4321.1	4310.5	*4306.5*	4284.3	4052.7	3849.9	3683.0	3472.6	3307.6	2947.5	2623.6
64°	*4324.6*	*4334.2*	*4365.5*	*4312.5*	*4106.7*	*3890.3*	*3717.3*	*3502.4*	*3342.0*	*2986.8*	*2648.8*
65°	4316.5	4314.5	*4353.9*	4286.8	4104.2	3888.3	3696.1	3490.3	3331.4	2976.2	2642.3
67.5°	4100.1	4091.6	*4142.0*	4055.7	3896.3	3701.6	3513.0	3292.0	3152.3	2811.3	2487.9
70°	3364.7	3364.1	*3442.8*	3370.7	3323.3	3117.0	2924.3	2721.5	2572.2	2292.2	2021.8
72.5°	2578.2	2573.7	*2626.1*	2572.2	2548.0	2450.6	2270.5	2091.4	1949.2	1739.3	1520.4
75°	2054.6	2056.6	*2028.9*	1975.9	1956.2	1912.9	1832.7	1725.7	1606.7	1416.0	1214.2
77.5°	1538.6	1528.5	*1540.6*	1466.4	1460.9	1447.8	1447.3	1378.6	1277.8	1156.2	996.3
80°	1025.5	1031.6	*1053.3*	1033.6	1039.2	1034.6	1062.9	990.2	913.6	841.9	756.7
82.5°	663.3	679.5	*685.5*	712.8	736.5	747.1	708.2	635.1	587.2	560.9	523.1
85°	636.6	643.2	*639.6*	623.5	615.4	602.3	601.8	578.6	553.9	503.4	441.9
87.5°	587.2	594.7	*591.7*	577.6	559.4	557.9	554.4	538.2	526.6	486.8	432.3
90°	500.9	501.4	*503.9*	501.4	497.9	495.4	475.2	465.6	458.5	424.2	387.4
92.5°	434.3	440.4	*438.9*	434.3	422.7	429.8	408.1	389.9	385.9	362.2	333.9
95°	399.0	403.1	*404.1*	396.0	384.9	382.4	365.7	351.6	345.0	329.4	295.1
97.5°	330.9	328.4	*326.4*	324.4	316.8	308.7	298.1	280.5	274.9	257.8	238.6
100°	282.5	283.5	*282.5*	281.0	274.4	270.4	262.8	248.7	242.6	231.5	218.4
102.5°	269.4	269.9	*269.9*	270.4	259.3	250.2	242.1	232.0	226.5	216.9	204.3
105°	257.3	257.3	*258.3*	258.8	247.7	234.6	223.0	217.4	214.9	203.8	190.7
107.5°	242.1	241.6	*243.1*	236.6	225.5	219.9	207.8	201.3	200.3	191.7	178.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	264.3	258.8	*257.8*	241.6	226.5	213.9	207.8	201.8	198.2	186.6	178.1
112.5°	346.0	338.5	*336.5*	321.3	268.4	263.8	258.3	256.3	254.2	238.6	224.0
115°	381.4	381.4	*387.4*	381.4	344.5	302.7	296.6	287.5	291.1	271.9	250.7
117.5°	305.2	326.4	*332.4*	314.3	315.8	289.0	247.7	233.6	226.5	220.9	230.5
120°	342.5	356.6	*350.6*	317.3	302.2	286.5	288.5	283.5	258.3	223.5	227.0
122.5°	510.5	523.6	*528.2*	530.7	537.7	527.1	503.4	470.1	444.9	403.1	379.3
125°	714.8	705.2	*704.2*	708.7	714.3	700.7	690.6	684.0	668.4	613.4	536.2
127.5°	656.3	651.7	*659.3*	658.3	671.9	648.7	644.2	647.7	641.7	610.9	566.0
130°	470.6	478.7	*484.3*	502.4	529.2	508.5	489.3	460.6	458.5	473.7	450.0
132.5°	395.0	398.5	*408.6*	432.3	452.5	443.9	415.7	387.9	385.9	398.5	396.5
135°	349.1	351.6	*353.1*	354.1	350.6	358.7	352.6	342.5	336.0	336.5	330.4
137.5°	311.7	312.8	*311.7*	303.7	294.1	292.6	307.7	308.2	302.2	291.6	283.5
140°	270.4	270.4	*266.3*	260.8	259.3	259.8	268.4	269.9	262.8	254.2	242.1
142.5°	211.4	208.8	*209.3*	218.4	234.6	231.0	219.9	205.8	203.8	213.9	209.8
145°	228.5	228.0	*226.5*	227.0	223.0	216.4	212.4	207.8	199.8	193.2	186.6
147.5°	230.5	228.5	*229.5*	227.5	225.5	222.5	220.9	223.0	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°	142.3	141.7	*141.2*	142.3	141.7	143.8	144.3	143.8	142.8	142.3	136.7
155°	133.7	135.2	*134.2*	131.2	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	119.6	120.6	119.6	117.5
162.5°	109.5	109.0	*109.0*	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	108.0	109.0	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	120.1	119.6
172.5°	121.1	120.6	*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	132.2	131.7	131.2	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	28.8	28.8
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	85.8	88.8	84.7	74.2	63.1	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	119.6	104.9	82.2	68.6	62.0	63.6	68.6	68.6
15°	149.8	144.3	136.2	125.6	108.5	88.3	71.6	62.0	62.0	61.5	60.5
17.5°	161.4	155.4	140.7	124.1	105.4	87.3	70.1	60.5	55.5	51.5	50.9
20°	179.6	176.6	157.9	134.2	108.5	85.3	67.6	58.0	52.5	49.4	48.4
22.5°	197.2	188.7	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	85.3	67.6	58.5	53.0	50.4	49.9
27.5°	214.4	203.3	180.6	153.9	119.0	87.3	70.6	60.0	54.0	50.9	50.4
30°	224.5	213.9	190.7	161.9	123.1	91.8	74.2	62.6	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	269.4	233.1	188.2	133.7	99.9	81.7	69.1	60.0	55.0	54.5
37.5°	367.2	349.6	305.2	235.6	147.3	104.9	85.3	70.6	61.0	56.5	55.5
40°	407.6	374.8	324.9	263.3	170.0	113.0	90.8	74.2	62.6	57.0	56.5
42.5°	456.5	429.3	360.7	270.4	188.7	131.7	100.4	79.2	65.6	58.0	57.5
45°	504.4	477.7	416.7	328.9	227.0	160.9	116.0	87.8	70.1	60.5	59.0
47.5°	588.2	544.3	471.2	384.9	279.5	203.8	142.8	99.9	77.7	63.6	61.5
50°	795.5	766.8	654.8	522.6	363.7	265.3	194.2	128.1	86.3	65.6	62.6
52.5°	1073.0	1018.5	891.4	729.4	527.7	394.0	284.0	190.2	105.9	67.6	63.6
55°	1512.3	1427.6	1281.3	1000.8	757.2	597.3	444.4	312.3	161.4	72.1	64.1
57.5°	1982.0	1905.3	1730.8	1383.2	1026.0	760.7	585.2	440.9	226.5	82.2	69.6
60°	2296.2	2162.6	1963.3	1627.3	1240.4	894.4	654.8	462.6	235.1	84.2	72.6
62.5°	2476.3	2338.1	2043.5	1657.6	1278.8	924.1	685.0	423.7	187.7	81.7	75.7
64°	*2497.5*	*2364.3*	*2044.5*	*1628.9*	*1237.9*	*893.4*	*663.9*	*397.5*	*162.9*	*80.7*	*77.2*
65°	2480.9	2357.8	2019.8	1594.6	1182.9	853.5	638.6	371.3	144.8	79.7	77.7
67.5°	2318.9	2211.0	1856.9	1446.2	1051.8	737.0	524.1	285.5	113.5	77.7	76.7
70°	1878.1	1828.6	1526.5	1166.8	831.3	587.7	413.1	218.4	96.3	75.7	74.7
72.5°	1408.9	1346.4	1139.0	890.3	647.7	457.0	313.8	168.0	85.3	73.6	72.6
75°	1129.5	1068.4	903.0	701.2	481.7	341.5	232.0	125.6	80.2	73.1	72.1
77.5°	933.7	884.8	742.5	533.7	342.5	244.7	170.5	102.4	78.7	73.6	72.6
80°	718.3	710.3	580.1	388.4	242.6	182.6	137.7	95.8	79.2	75.7	74.7
82.5°	503.9	483.8	409.6	289.0	209.8	167.0	132.2	97.4	83.2	80.2	79.7
85°	415.2	399.5	350.6	277.9	199.8	161.4	130.7	99.9	87.3	84.7	83.7
87.5°	410.6	393.5	347.1	265.8	189.7	153.9	124.6	97.4	86.8	85.3	86.3
90°	372.8	360.2	317.3	245.2	188.2	156.4	130.1	107.4	96.3	91.3	90.3
92.5°	326.4	318.8	288.5	238.1	195.2	165.5	141.7	119.0	109.0	105.9	104.4
95°	285.0	282.0	257.3	216.4	180.1	155.9	134.2	114.5	105.9	101.9	101.4
97.5°	233.6	230.0	210.9	184.1	157.4	137.2	121.1	105.9	99.9	99.4	98.9
100°	213.4	210.9	197.2	180.1	158.9	143.8	129.6	117.0	112.0	112.0	112.5
102.5°	197.2	195.7	183.6	166.0	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	97.9	97.9
107.5°	172.5	169.5	160.4	146.8	134.2	121.6	111.5	103.4	98.9	97.4	97.4

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

Scaled Data Report

REPORT NUMBER: P1046186
CATALOG NUMBER: FFX-CLB-60-722-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	108.5	104.4	101.4	101.4
112.5°	212.9	202.3	183.6	161.9	148.8	136.2	123.6	113.0	108.0	106.9	105.9
115°	241.1	230.5	207.3	179.1	155.4	137.7	125.1	117.0	112.5	115.5	117.0
117.5°	242.1	223.0	178.6	165.0	147.8	133.2	124.6	119.6	116.5	119.6	119.6
120°	246.7	207.8	184.1	178.6	158.4	137.7	128.1	127.1	124.1	118.0	118.0
122.5°	366.7	331.4	293.6	245.7	203.8	184.1	167.0	137.2	123.1	116.5	116.0
125°	505.5	468.6	409.6	345.5	285.0	222.0	165.0	140.7	126.1	118.0	116.5
127.5°	537.2	508.5	430.8	354.1	268.4	206.8	165.5	144.8	130.1	121.6	120.1
130°	433.3	410.6	358.2	295.6	236.1	191.2	161.4	140.7	126.6	118.0	116.0
132.5°	385.4	364.2	312.8	255.8	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	165.5	139.2	120.6	109.0	105.4	105.4
137.5°	276.4	264.8	232.0	205.3	179.6	154.4	131.7	116.5	108.5	104.9	104.4
140°	236.6	229.0	209.8	183.6	158.9	134.2	116.5	108.0	104.4	102.9	102.4
142.5°	205.8	200.3	183.1	155.9	131.7	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	96.9	96.3
147.5°	202.3	195.2	178.1	159.9	141.2	127.1	116.0	105.9	97.9	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	97.9	94.8	95.8	97.9	98.4
155°	127.1	126.1	123.1	116.5	110.0	101.9	96.9	95.3	96.9	98.9	99.4
157.5°	121.1	120.6	118.0	112.0	105.9	100.9	97.4	96.3	97.9	99.4	99.4
160°	116.0	115.5	112.0	107.4	102.9	99.4	96.9	96.9	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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

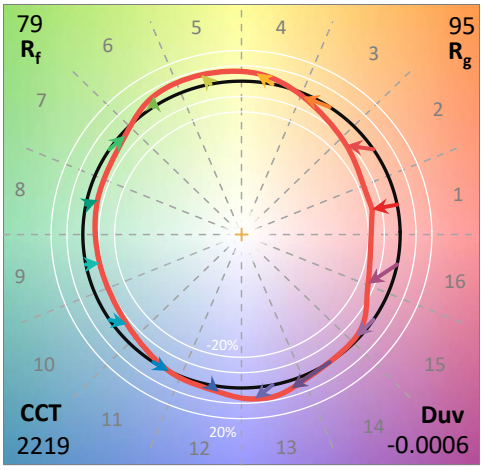
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

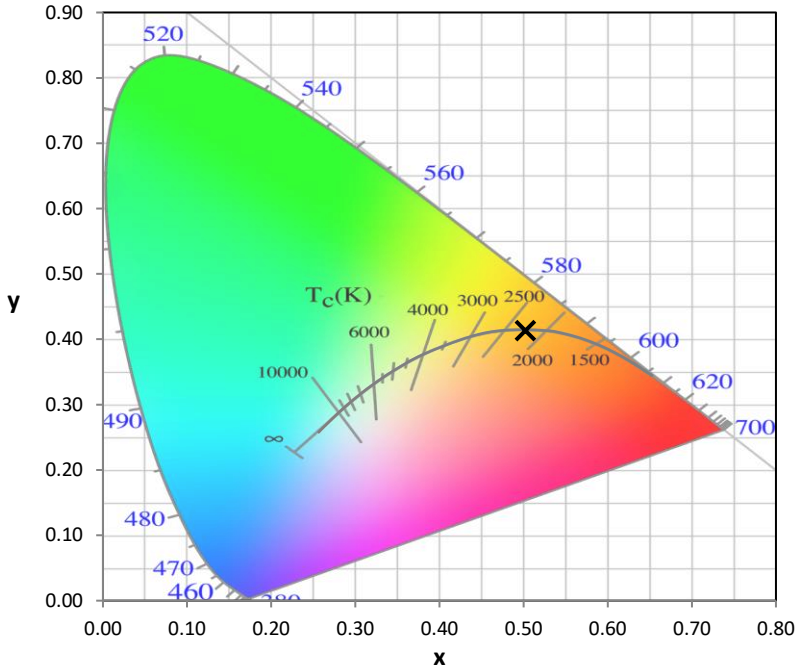
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

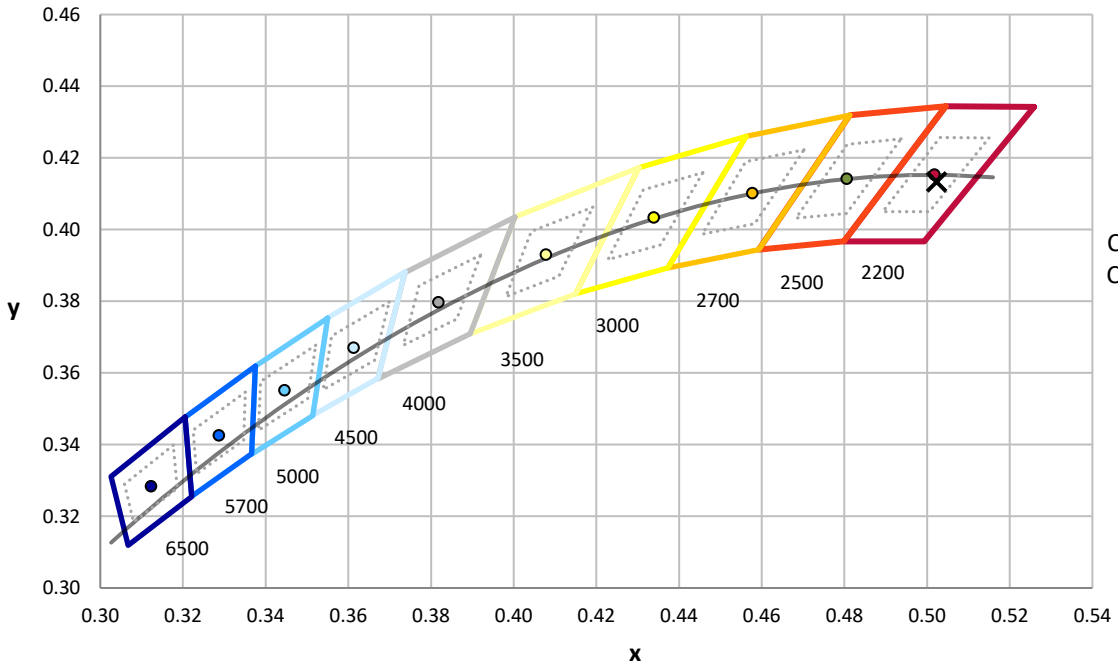
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

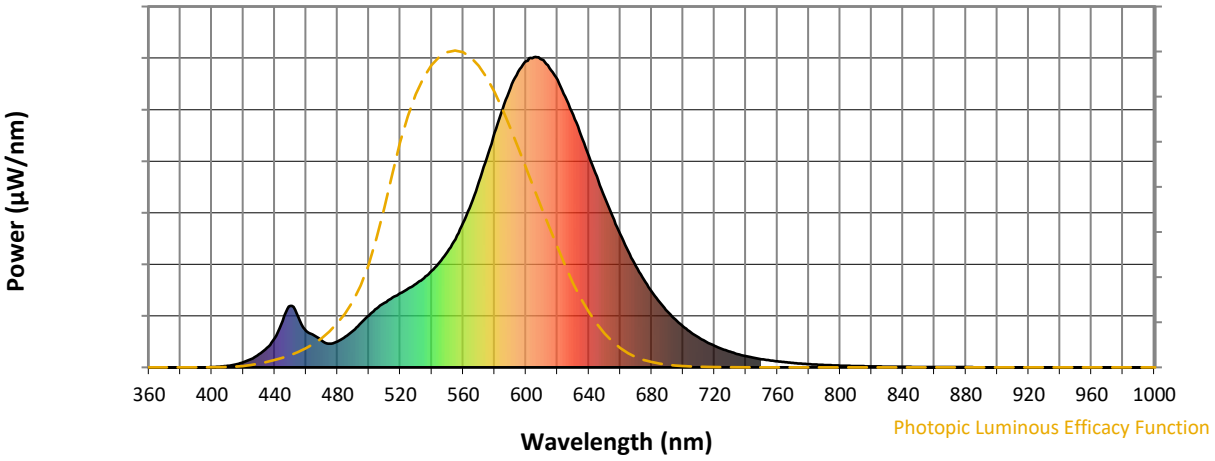


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

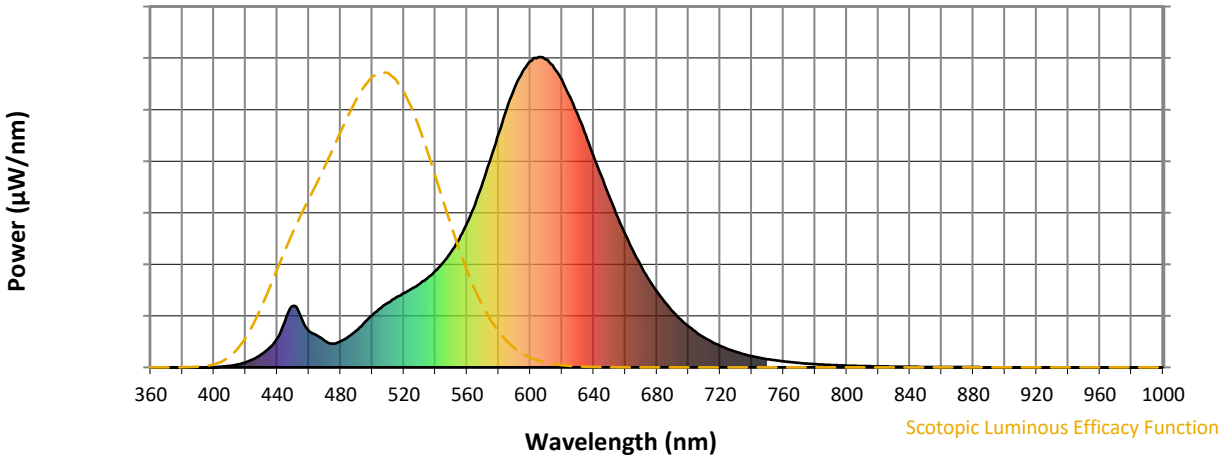


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

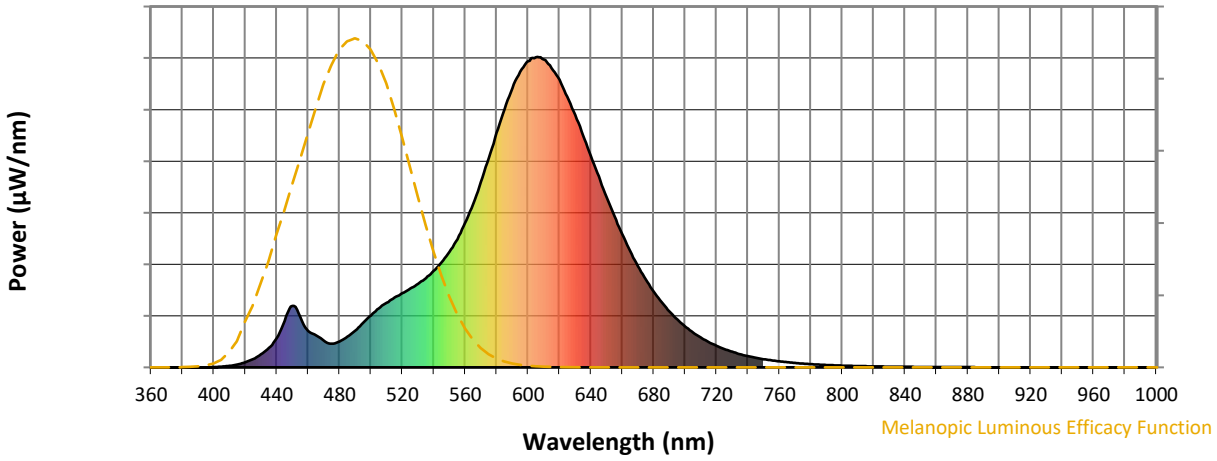


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

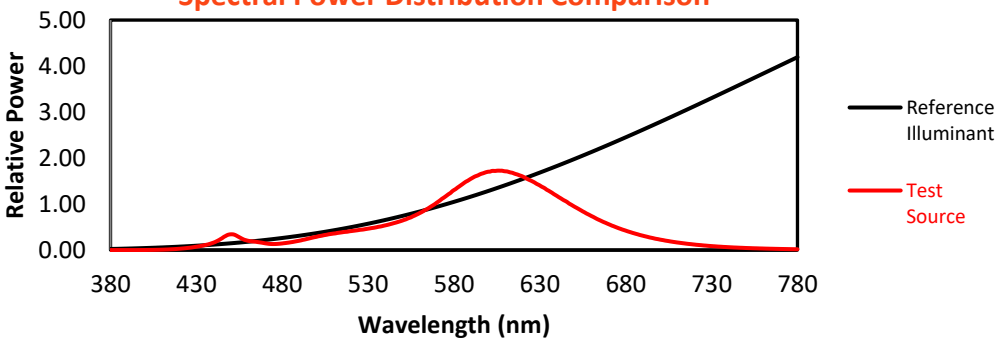
REPORT NUMBER: SP1-2501-332-2

TM-30-18

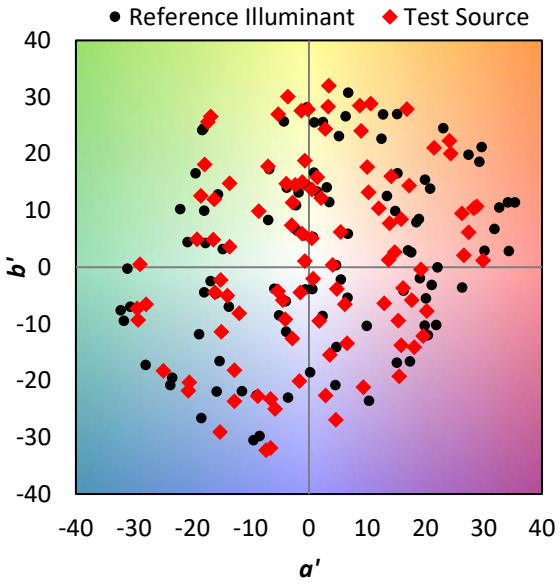
Summary

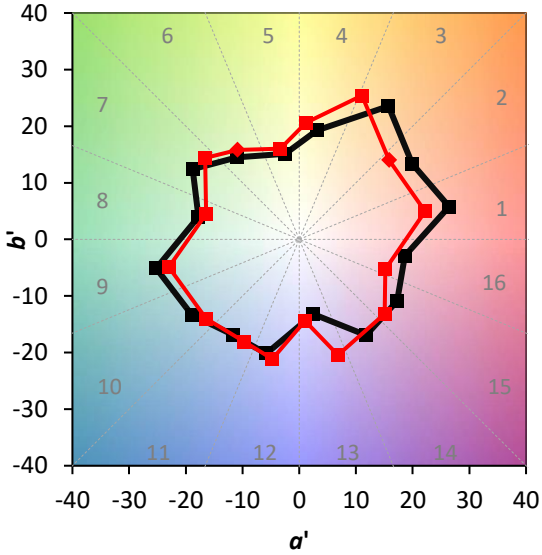
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

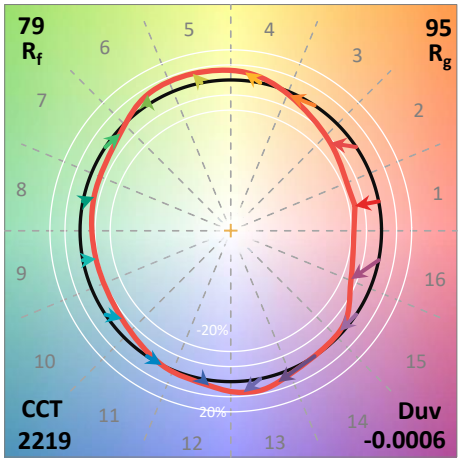
Spectral Power Distribution Comparison

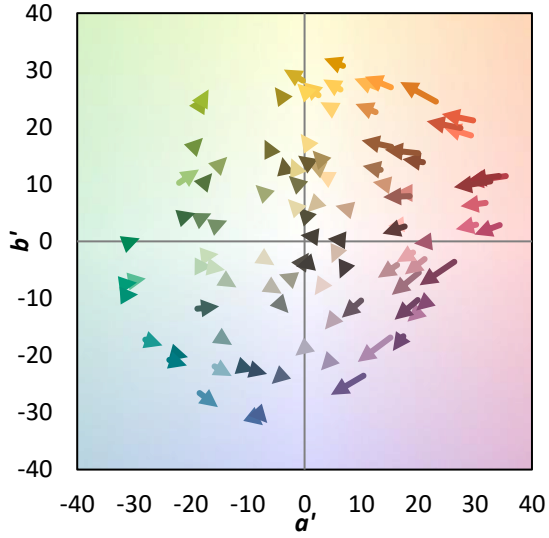


Color Vector Graphics







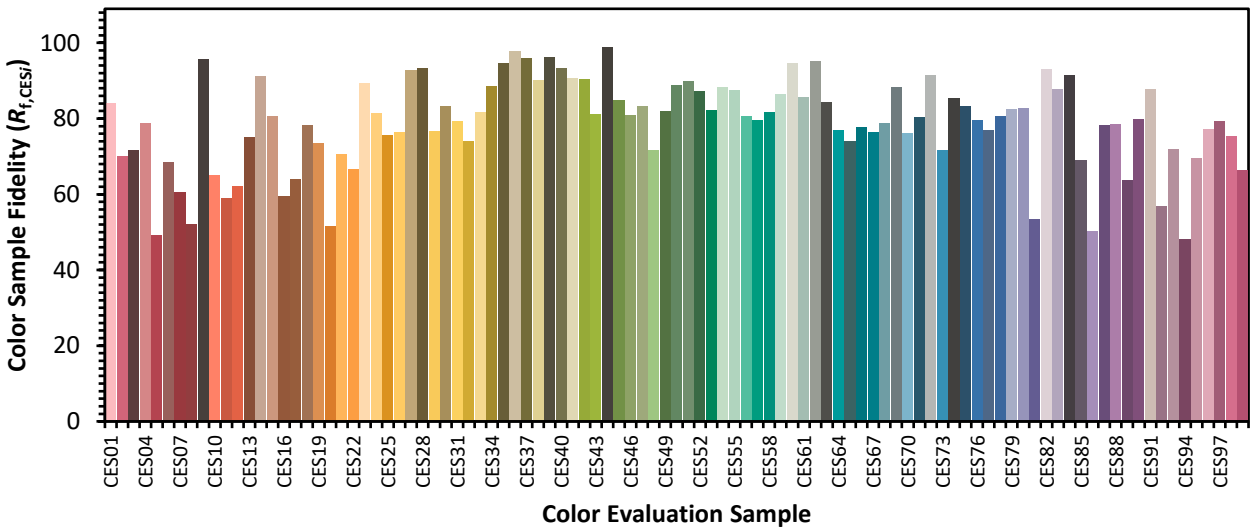


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

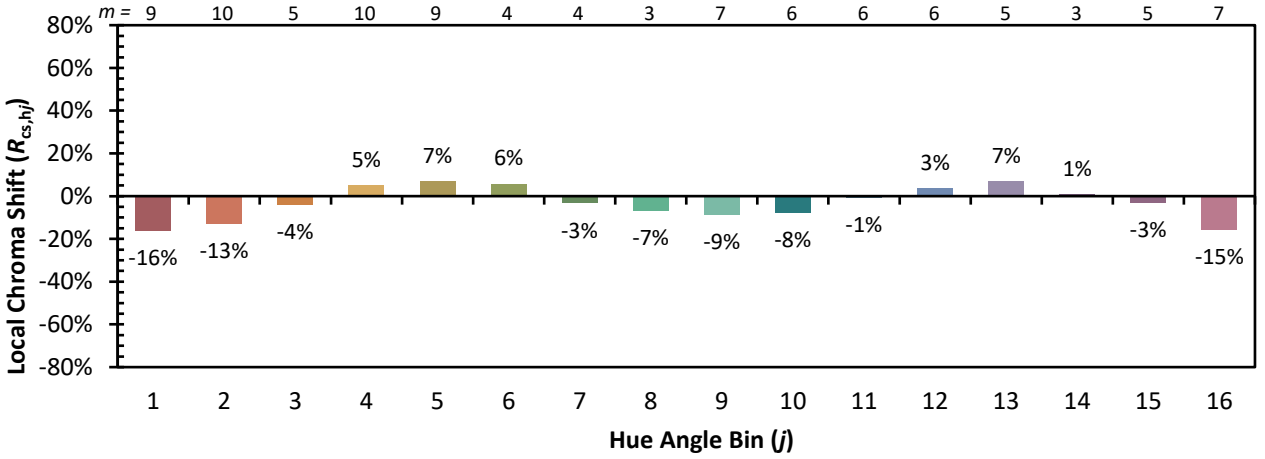
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

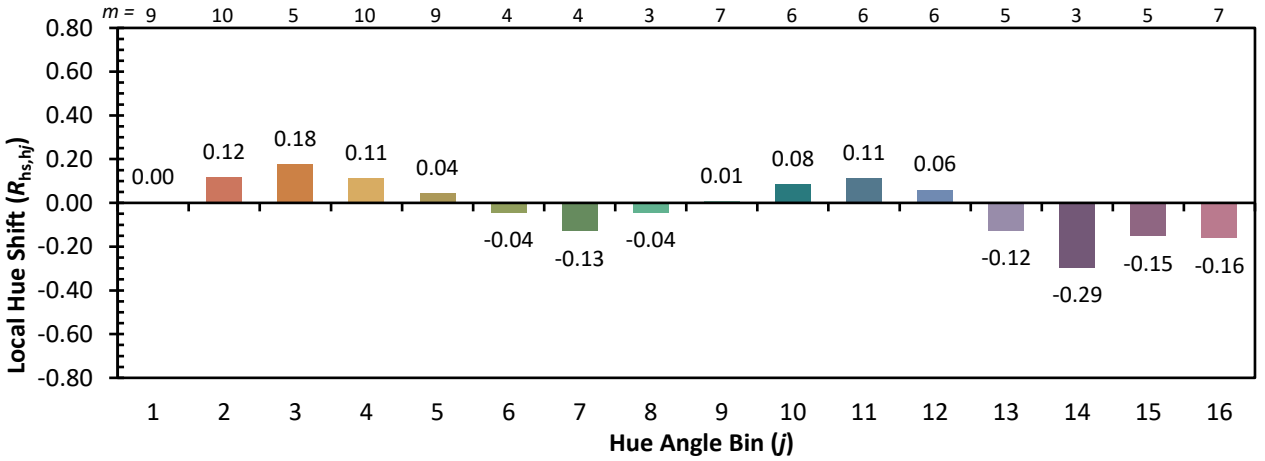


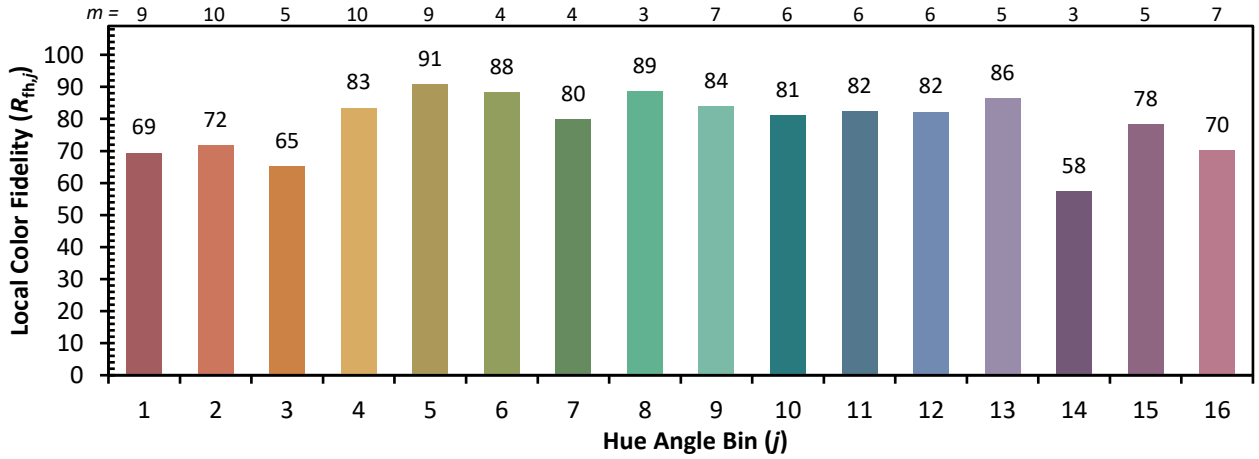
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Color Rendition by Hue-Angle Bin



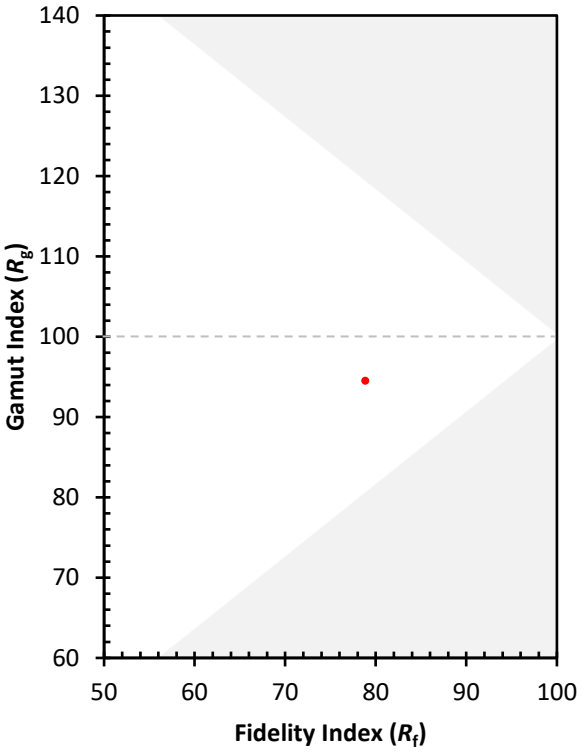


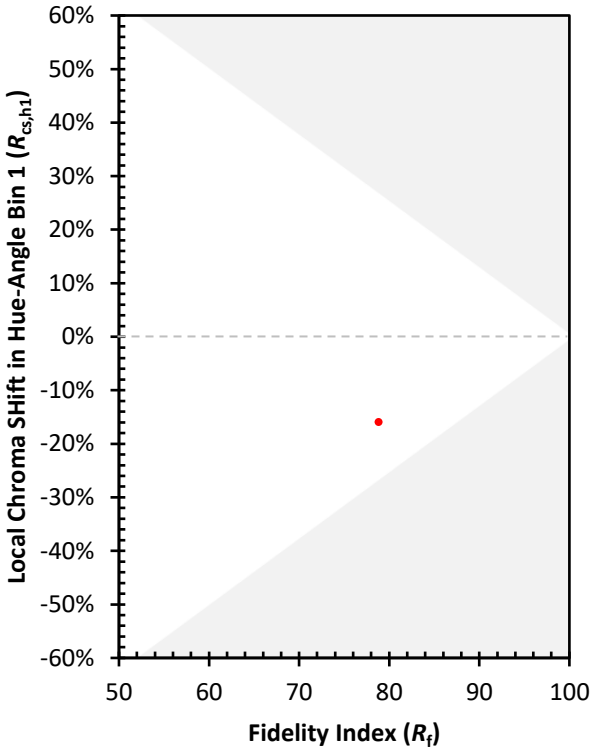


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Measure Comparisons





(END OF REPORT)