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: P1046410

Luminaire Tested: **FFX-CLB-70-722-U-FR-T4-UPLR**

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:	P1046410
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-722-U-FR-T4-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND UPLIGHT REFLECTOR
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8989.8 lumens
Efficiency:	N/A
Efficacy:	126.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U4 - G3

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

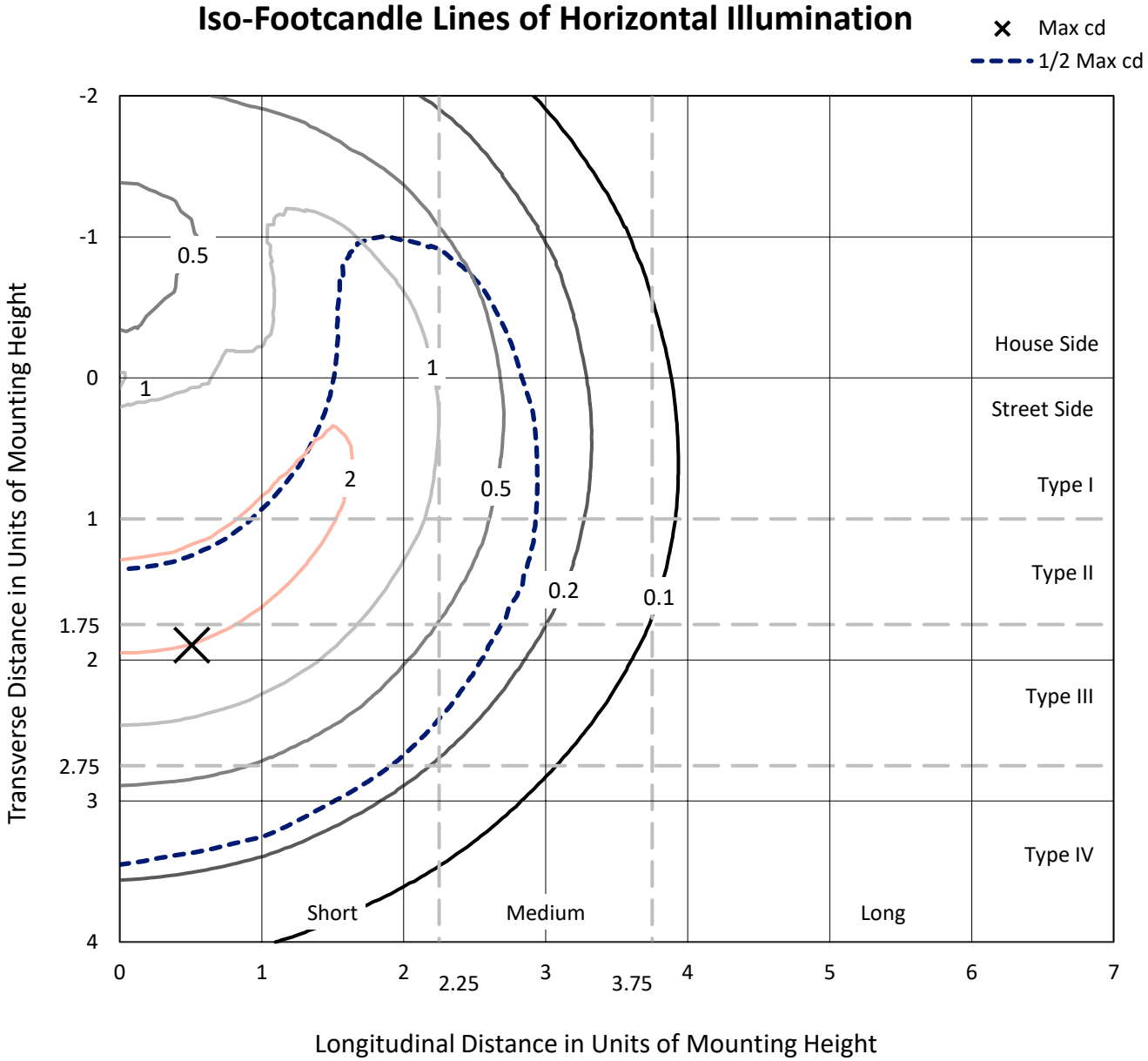


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Iso-Footcandle Lines of Horizontal Illumination



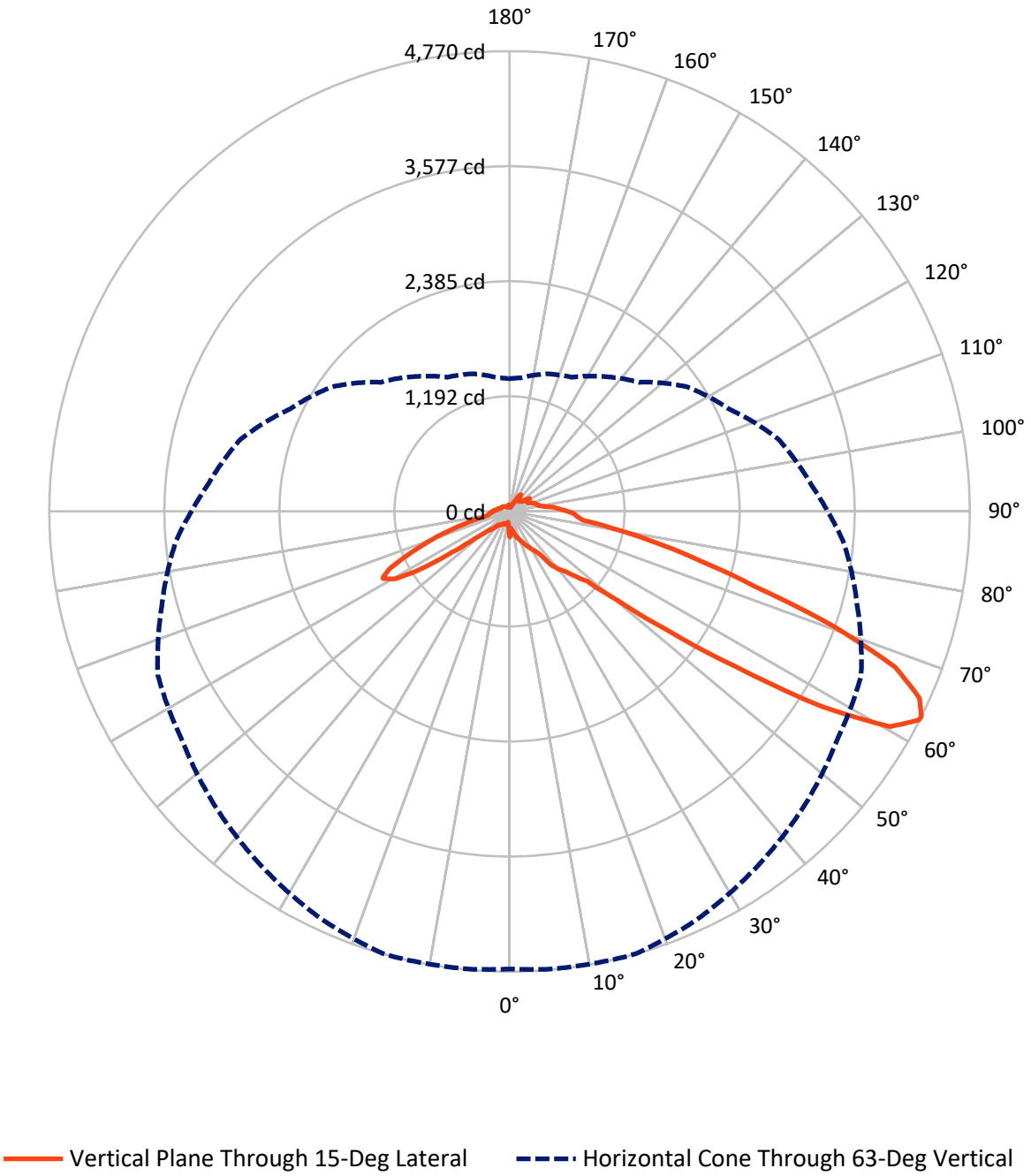
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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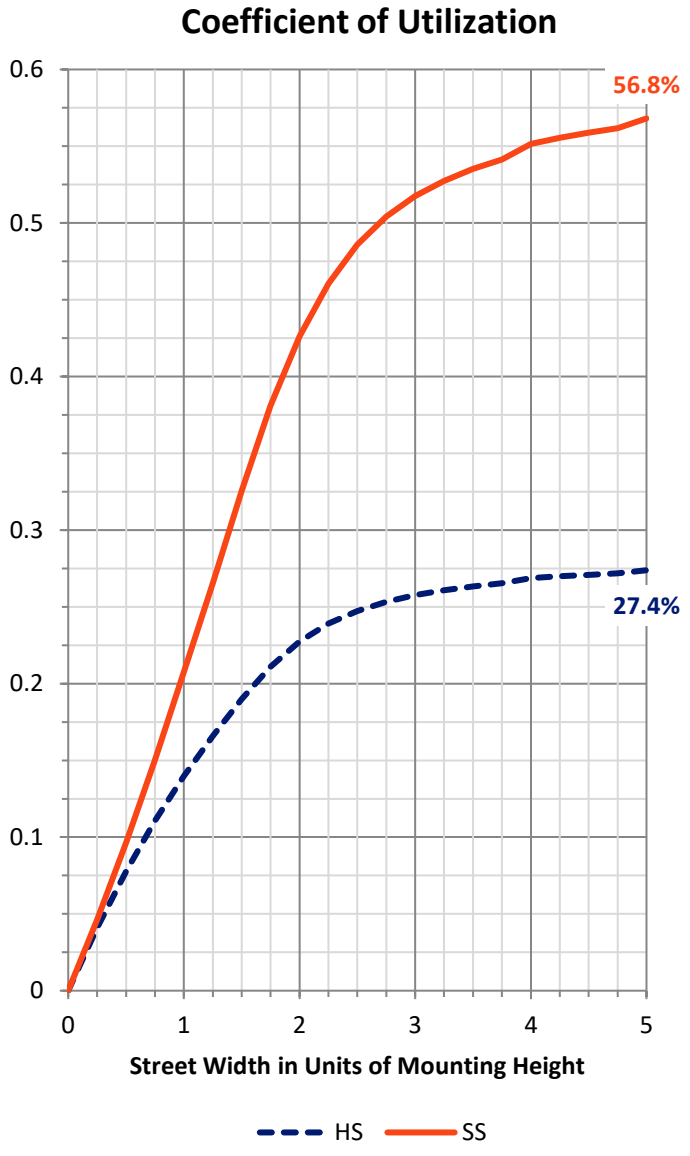
REPORT NUMBER: P1046410
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2542.4	414.2	2956.7
	% Fixture	28.3	4.6	32.9
Street Side	Lumens	5323.5	709.6	6033.1
	% Fixture	59.2	7.9	67.1
Total	Lumens	7865.9	1123.8	8989.8
	% Fixture	87.5	12.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.2
10°-20°	58.9	0.7
20°-30°	127.5	1.4
30°-40°	262.2	2.9
40°-50°	540.6	6.0
50°-60°	1778.4	19.8
60°-70°	2944.5	32.8
70°-80°	1544.4	17.2
80°-90°	593.0	6.6
90°-100°	358.2	4.0
100°-110°	225.7	2.5
110°-120°	167.1	1.9
120°-130°	142.3	1.6
130°-140°	92.8	1.0
140°-150°	80.6	0.9
150°-160°	36.9	0.4
160°-170°	15.1	0.2
170°-180°	5.2	0.1
0°-90°	7865.9	87.5
0°-180°	8989.8	100.0



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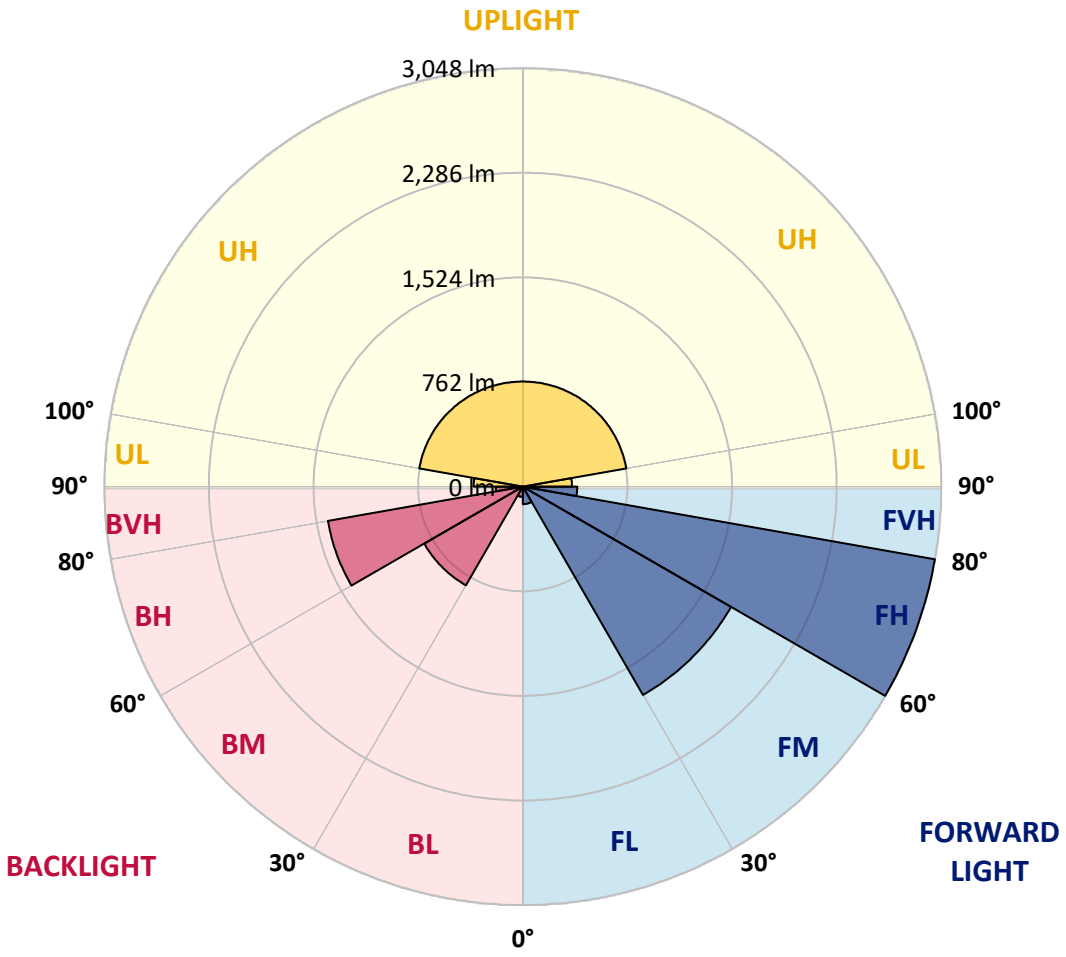
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	127.9	1.4			
FM	(30°-60°)	1751.7	19.5			
FH	(60°-80°)	3047.7	33.9			G2/5000
FVH	(80°-90°)	396.2	4.4			G3/500
BL	(0°-30°)	74.8	0.8	B0/110		
BM	(30°-60°)	829.5	9.2	B1/1000		
BH	(60°-80°)	1441.3	16.0	B3/2500		G3/2500
BVH	(80°-90°)	196.8	2.2			G2/225
UL	(90°-100°)	358.2	4.0		U3/500	
UH	(100°-180°)	765.6	8.5		U4/1000	

BUG Rating: B3-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
0°	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5
2.5°	163.4	163.4	187.0	191.2	213.6	220.7	208.3	198.8	221.8	269.0	276.7
5°	177.6	181.1	180.5	180.0	181.1	202.4	224.2	214.2	175.8	139.8	139.8
7.5°	201.2	202.4	201.8	201.2	193.5	181.1	175.8	191.8	201.8	171.7	144.0
10°	217.7	216.5	215.9	215.4	216.5	221.3	219.5	200.0	180.5	170.5	164.6
12.5°	249.0	249.6	247.8	246.6	245.4	243.7	241.9	246.0	235.4	206.5	187.0
15°	272.6	272.6	277.3	276.1	276.1	270.2	262.0	250.2	236.0	228.3	211.2
17.5°	297.4	298.0	297.4	297.4	295.0	287.3	278.5	267.9	253.1	240.1	225.4
20°	321.6	321.6	321.0	320.4	319.8	313.9	302.7	288.5	274.9	262.6	247.2
22.5°	346.9	348.7	349.9	348.7	346.9	341.0	328.6	315.1	302.1	284.4	267.9
25°	382.9	383.5	382.3	381.1	378.8	371.1	361.7	347.5	331.6	312.7	290.9
27.5°	417.1	418.3	417.7	417.7	413.0	406.5	397.1	378.2	360.5	338.7	316.2
30°	456.1	454.9	451.9	452.5	449.6	444.3	433.7	417.1	394.7	368.8	344.0
32.5°	494.4	494.4	490.3	488.5	488.5	481.4	469.6	452.5	431.3	403.6	379.4
35°	536.3	546.9	557.6	561.7	561.7	551.7	537.5	515.1	496.8	467.9	437.8
37.5°	737.5	731.0	705.1	708.0	699.2	695.0	685.6	666.7	641.3	597.1	551.1
40°	808.3	807.1	787.7	785.3	781.2	767.6	757.6	744.6	735.7	682.6	613.6
42.5°	820.7	827.2	853.1	859.6	893.3	872.6	832.5	759.3	741.0	700.9	672.0
45°	959.9	962.3	962.3	963.5	954.6	939.3	934.0	887.4	850.8	793.0	738.7
47.5°	1098.6	1103.9	1083.2	1099.8	1122.8	1091.5	1077.3	1039.0	988.8	944.0	854.9
50°	1420.7	1441.4	1445.5	1446.1	1456.1	1453.8	1432.5	1379.4	1329.3	1226.6	1127.5
52.5°	2017.2	2037.3	2046.1	2024.9	1993.6	1979.5	1984.8	1962.9	1846.7	1736.4	1535.2
55°	2796.0	2830.8	2830.8	2853.3	2843.8	2776.6	2772.4	2629.6	2442.0	2319.3	2144.1
57.5°	3838.0	3785.5	3815.0	3846.8	3781.9	3711.1	3605.5	3456.2	3181.9	2970.1	2716.4
60°	4610.3	4589.0	4530.6	4494.6	4332.4	4192.0	4108.8	3999.6	3791.4	3512.9	3173.6
62.5°	4751.9	4767.2	4763.1	4763.1	4633.3	4465.1	4297.0	4137.1	4007.9	3721.2	3452.7
63°	4743.0	4761.9	4769.6	4767.2	4650.4	4484.6	4317.6	4141.2	4021.5	3728.8	3469.2
65°	4667.5	4683.4	4669.9	4665.2	4591.4	4479.3	4291.7	4117.0	4007.9	3694.6	3471.6
67.5°	4364.3	4360.7	4310.0	4333.0	4286.4	4223.8	4048.6	3876.3	3800.8	3458.6	3253.3
70°	3524.7	3499.9	3555.4	3588.4	3537.7	3512.9	3304.6	3191.3	3094.0	2833.8	2668.0
72.5°	2694.5	2643.2	2652.7	2682.7	2619.0	2601.9	2512.8	2419.6	2373.0	2210.7	2026.7
75°	2112.8	2085.1	2033.7	2042.0	1989.5	1972.4	1962.9	1935.8	1917.5	1782.4	1600.1
77.5°	1580.0	1578.8	1535.8	1529.3	1491.5	1519.8	1508.6	1549.3	1540.5	1433.1	1294.5
80°	1105.7	1099.2	1110.4	1106.3	1097.4	1113.9	1096.2	1118.6	1118.6	1048.4	990.0
82.5°	721.6	734.6	770.0	778.2	791.2	830.1	767.6	734.6	725.7	718.0	689.7
85°	716.3	719.8	704.5	706.2	700.3	685.6	696.8	702.1	693.3	650.8	588.2
87.5°	675.0	679.7	667.3	670.8	649.0	653.7	660.8	664.9	660.8	623.0	571.1
90°	568.8	574.1	585.3	585.3	587.1	588.2	577.0	583.5	579.4	543.4	505.6
92.5°	504.5	509.2	509.8	510.4	505.6	521.0	502.7	491.5	488.5	459.6	432.5
95°	461.4	456.1	454.9	456.1	453.7	453.1	441.3	433.1	429.5	406.5	380.0
97.5°	361.1	364.0	362.9	365.8	359.9	359.3	349.3	338.7	335.1	316.2	298.5
100°	316.8	316.2	317.4	318.0	314.5	310.3	303.3	295.6	291.5	277.3	260.2
102.5°	297.4	296.8	299.1	299.7	296.8	293.8	287.9	283.2	279.7	266.7	247.8
105°	285.0	283.2	286.2	286.2	279.7	277.9	273.8	273.2	270.8	255.5	237.2
107.5°	267.9	264.9	268.5	267.9	265.5	263.7	260.2	257.8	256.1	243.1	222.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
110°	251.9	247.8	*249.6*	250.8	252.5	251.3	248.4	243.7	239.0	228.3	211.2
112.5°	222.4	224.8	*224.2*	224.2	226.0	226.6	221.3	218.3	215.4	207.1	195.9
115°	211.2	211.2	*211.2*	211.2	206.5	204.7	199.4	195.9	195.3	185.3	178.2
117.5°	202.4	203.6	*206.5*	208.3	214.2	210.6	198.8	191.2	188.2	184.1	176.4
120°	238.4	234.2	*230.1*	229.5	230.1	227.7	225.4	220.1	213.0	201.8	180.5
122.5°	255.5	244.9	*246.6*	246.0	241.9	243.7	244.3	244.9	240.1	222.4	189.4
125°	214.2	211.2	*213.0*	214.8	215.4	214.8	213.6	218.9	212.4	206.5	181.7
127.5°	171.1	169.9	*166.4*	165.8	164.6	165.2	165.2	167.0	161.1	155.2	154.0
130°	162.8	160.5	*161.1*	161.7	161.1	157.5	155.2	152.2	151.6	145.7	137.5
132.5°	147.5	148.7	*158.7*	159.9	167.0	162.8	150.5	142.2	143.4	146.3	143.4
135°	138.1	137.5	*145.1*	145.7	156.4	153.4	143.4	133.9	133.9	141.0	138.1
137.5°	141.0	142.2	*142.8*	143.4	142.8	142.2	141.6	137.5	134.5	133.9	126.9
140°	151.6	151.0	*145.1*	145.7	145.1	145.1	148.7	151.6	141.6	132.8	121.0
142.5°	158.7	160.5	*158.1*	161.1	166.4	161.7	155.8	148.1	142.2	136.3	129.2
145°	215.4	211.2	*209.5*	208.3	204.7	194.7	188.8	181.1	174.1	164.6	152.8
147.5°	195.3	196.5	*192.9*	194.1	189.4	185.9	184.7	185.3	182.9	177.6	165.2
150°	155.2	156.4	*152.8*	151.0	149.3	149.3	149.3	150.5	147.5	144.0	138.1
152.5°	108.6	107.4	*106.2*	105.6	104.4	103.3	103.3	103.8	100.9	99.7	95.0
155°	99.7	99.1	*94.4*	93.2	94.4	95.6	96.2	94.4	92.0	89.7	83.2
157.5°	77.9	76.1	*75.5*	76.7	76.7	76.1	74.9	76.1	73.8	73.2	72.0
160°	63.7	63.1	*63.7*	63.7	64.3	64.3	63.7	63.7	62.5	63.1	63.1
162.5°	54.3	54.3	*54.3*	53.7	54.9	55.5	54.9	54.9	55.5	57.2	58.4
165°	46.6	46.6	*47.2*	47.2	47.8	47.8	48.4	49.0	50.2	54.3	57.8
167.5°	43.7	43.7	*44.3*	44.3	44.8	45.4	46.6	49.0	52.5	57.2	59.0
170°	43.1	43.1	*43.1*	43.1	43.7	44.3	46.6	50.2	54.3	57.2	55.5
172.5°	44.8	44.8	*45.4*	45.4	45.4	47.8	49.6	52.5	54.9	55.5	53.7
175°	46.6	46.0	*46.6*	46.6	47.2	49.0	51.3	52.5	53.7	54.3	54.9
177.5°	45.4	45.4	*45.4*	46.0	46.0	46.6	47.8	48.4	49.6	50.7	52.5
180°	44.3	44.3	*44.3*	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5
2.5°	276.7	269.0	209.5	179.4	204.7	254.3	259.0	224.2	174.1	121.0	110.3
5°	147.5	155.8	174.1	173.5	161.7	151.0	138.1	129.8	143.4	137.5	141.0
7.5°	133.3	125.7	128.6	150.5	146.9	111.5	100.9	98.5	110.3	137.5	134.5
10°	162.3	159.9	151.0	133.3	127.4	132.2	136.3	133.3	122.7	106.8	104.4
12.5°	183.5	180.5	181.7	192.9	179.4	148.7	131.6	126.3	132.2	155.8	160.5
15°	204.1	198.8	191.2	175.2	162.3	154.0	144.0	133.3	136.9	130.4	128.0
17.5°	218.3	210.0	194.1	182.3	169.3	158.7	149.9	138.7	131.0	129.2	129.8
20°	237.2	228.3	211.2	197.7	181.7	167.6	152.2	140.4	132.8	129.8	129.8
22.5°	259.0	248.4	228.9	210.0	192.3	174.1	155.8	142.8	135.7	132.8	131.6
25°	282.0	271.4	247.2	227.2	204.7	184.7	165.8	149.3	141.6	138.1	135.1
27.5°	305.6	292.6	268.5	243.7	219.5	195.9	175.8	158.7	148.1	142.2	142.8
30°	331.6	321.0	293.8	265.5	235.4	207.7	188.2	168.7	155.8	149.3	149.9
32.5°	366.4	349.3	316.8	284.4	254.9	224.2	199.4	177.0	162.8	158.7	159.3
35°	424.2	402.4	362.9	318.6	279.1	243.1	211.8	185.3	168.7	162.3	161.7
37.5°	528.6	499.1	453.7	401.8	344.6	286.2	235.4	194.7	174.1	163.4	161.7
40°	579.4	539.3	482.0	437.2	398.3	348.1	290.3	228.9	182.9	169.3	167.6
42.5°	647.2	613.6	539.3	451.9	400.0	358.1	317.4	277.9	220.7	185.3	178.8
45°	712.7	682.6	624.2	538.7	461.4	395.9	335.1	292.1	256.7	220.7	217.7
47.5°	823.1	791.2	693.8	617.7	536.3	462.0	398.3	327.5	281.4	256.1	256.1
50°	1099.8	1041.4	945.2	828.4	697.4	577.0	486.8	400.0	344.6	306.2	304.4
52.5°	1486.2	1403.6	1262.0	1132.8	978.2	839.0	698.6	547.5	466.7	411.2	410.6
55°	2044.4	1960.0	1770.6	1522.2	1332.8	1166.4	1020.7	854.9	727.5	637.8	630.7
57.5°	2639.7	2568.9	2375.9	2067.4	1768.8	1474.4	1298.0	1165.8	1104.5	1041.9	1029.0
60°	3025.5	2904.0	2728.2	2433.8	2144.7	1769.4	1550.5	1398.9	1378.2	1364.7	1347.6
62.5°	3268.6	3125.2	2863.9	2511.1	2245.6	1890.4	1694.5	1532.8	1484.4	1411.9	1391.2
63°	*3296.3*	*3140.6*	*2885.7*	*2509.3*	*2248.5*	*1892.1*	*1705.1*	*1532.8*	*1476.2*	*1388.9*	*1375.3*
65°	3283.4	3138.8	2884.5	2472.7	2180.1	1857.3	1674.4	1462.6	1372.3	1256.7	1233.7
67.5°	3085.1	2931.1	2691.6	2286.9	2022.5	1693.3	1492.1	1267.3	1130.4	1017.2	990.6
70°	2511.6	2416.1	2205.4	1855.6	1655.0	1398.3	1221.9	1045.5	897.4	778.2	748.1
72.5°	1914.0	1813.7	1655.5	1428.4	1280.3	1103.9	936.9	801.2	679.1	600.0	602.4
75°	1518.7	1423.1	1292.7	1143.4	1022.5	865.5	700.3	565.8	479.1	431.9	427.8
77.5°	1223.1	1157.0	1043.1	905.7	801.2	637.2	490.3	372.9	308.6	281.4	273.8
80°	942.8	896.8	811.8	690.9	582.3	447.8	333.9	263.7	229.5	206.5	202.4
82.5°	670.8	643.1	572.3	487.9	414.2	344.0	292.6	246.6	211.2	191.8	185.9
85°	559.9	534.0	489.1	436.6	389.4	338.1	283.8	234.8	201.8	186.4	178.8
87.5°	543.4	519.2	476.1	420.1	368.8	313.3	258.4	212.4	188.8	174.1	169.3
90°	486.8	468.5	430.7	379.4	328.0	271.4	223.6	191.2	172.9	161.1	155.8
92.5°	419.5	403.6	372.3	329.2	286.2	245.4	208.9	181.7	163.4	151.6	147.5
95°	364.6	354.6	328.6	292.1	260.8	227.2	195.9	169.9	151.0	140.4	136.3
97.5°	290.9	279.1	260.2	234.8	211.2	187.6	164.6	146.9	133.3	126.3	122.7
100°	253.1	245.4	228.3	208.3	188.2	167.6	149.9	136.3	127.4	121.5	118.6
102.5°	238.4	233.1	217.1	197.1	178.2	158.1	140.4	128.0	121.5	116.2	113.9
105°	224.8	220.7	208.3	190.0	171.7	149.9	129.8	119.2	113.3	109.7	108.0
107.5°	210.6	205.9	194.1	176.4	160.5	141.6	123.9	110.9	103.3	99.1	98.5

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

Scaled Data Report

REPORT NUMBER: P1046410
CATALOG NUMBER: FFX-CLB-70-722-U-FR-T4-UPLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	198.8	195.3	182.3	168.2	152.8	135.1	119.8	106.2	97.4	92.6	92.0
112.5°	186.4	182.3	169.3	155.8	142.8	127.4	113.9	102.1	93.8	89.1	88.5
115°	169.9	166.4	156.9	144.0	133.3	118.6	107.4	96.8	90.3	85.6	85.0
117.5°	171.7	161.7	148.7	136.9	127.4	116.8	106.8	98.5	88.5	83.2	83.2
120°	174.1	164.6	151.6	141.6	136.3	128.0	112.7	100.9	87.3	82.0	81.4
122.5°	171.7	172.9	165.8	155.8	145.1	131.0	112.1	99.1	85.6	81.4	82.0
125°	166.4	171.7	161.7	148.1	133.9	120.4	104.4	92.6	84.4	81.4	80.8
127.5°	150.5	149.3	136.3	126.3	116.2	105.0	95.0	87.9	82.0	78.5	76.7
130°	132.8	132.2	126.9	118.6	108.6	98.5	89.7	85.0	79.1	74.3	73.2
132.5°	139.8	138.1	126.9	113.3	102.1	93.8	87.9	82.6	74.3	69.0	68.4
135°	132.2	131.0	119.8	106.2	96.2	92.0	87.9	80.2	70.2	66.1	65.5
137.5°	121.0	116.2	106.8	98.5	93.8	92.6	87.3	78.5	69.0	64.3	63.7
140°	115.1	111.5	104.4	99.1	93.8	87.3	79.7	71.4	64.9	61.4	60.8
142.5°	122.1	121.0	110.3	100.9	92.6	85.0	76.7	71.4	64.3	59.6	59.0
145°	144.6	138.7	125.7	112.7	105.6	95.6	85.0	73.8	60.8	53.7	51.9
147.5°	158.1	152.8	139.8	125.7	110.3	94.4	77.9	63.7	53.7	48.4	47.2
150°	131.0	128.6	120.4	107.4	94.4	79.7	66.1	56.1	49.6	46.0	46.0
152.5°	92.0	91.5	87.9	80.2	72.0	63.7	56.6	50.7	47.2	44.8	44.8
155°	81.4	80.2	77.9	70.8	64.9	57.8	52.5	49.0	46.6	44.8	44.8
157.5°	70.2	69.0	68.4	63.1	58.4	53.7	49.6	46.6	44.8	43.7	43.1
160°	62.5	60.8	59.0	56.1	53.1	50.7	49.0	46.6	44.8	43.7	43.7
162.5°	58.4	57.2	54.3	51.9	50.7	50.7	51.3	50.2	46.6	44.8	44.3
165°	58.4	56.6	52.5	50.2	50.2	53.1	56.1	53.7	50.7	47.2	46.6
167.5°	59.0	57.8	53.7	51.9	53.7	57.2	60.2	59.6	55.5	52.5	52.5
170°	54.9	54.3	54.9	56.6	58.4	59.0	60.2	59.6	60.8	64.9	64.9
172.5°	53.1	53.7	56.6	59.6	63.1	63.1	60.2	59.6	64.9	70.8	72.0
175°	55.5	56.6	59.6	63.1	66.1	66.1	63.1	63.7	69.0	74.3	75.5
177.5°	53.1	53.7	54.9	54.3	55.5	52.5	53.7	52.5	54.3	54.3	54.3
180°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3

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

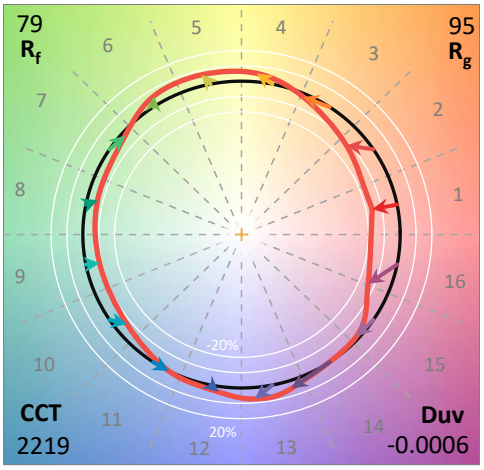
Test Information

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

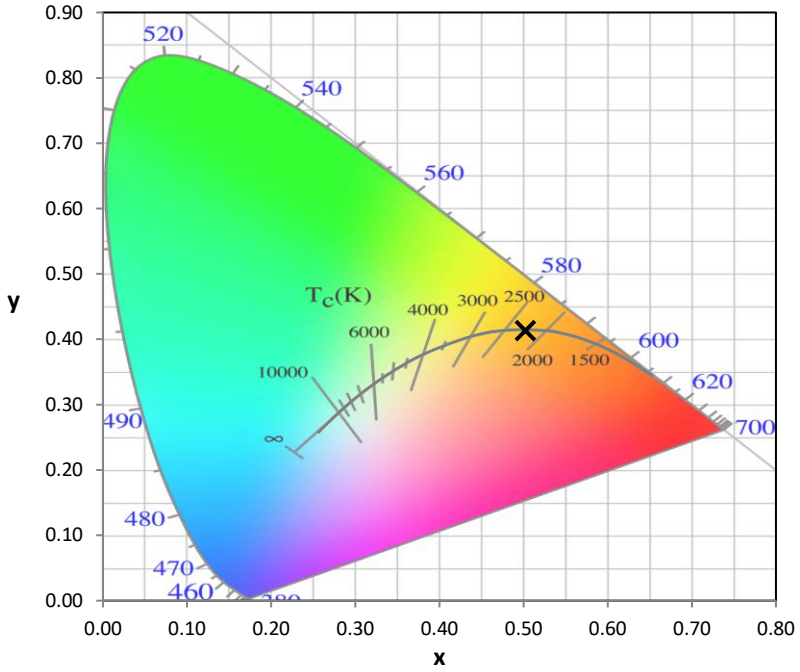
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

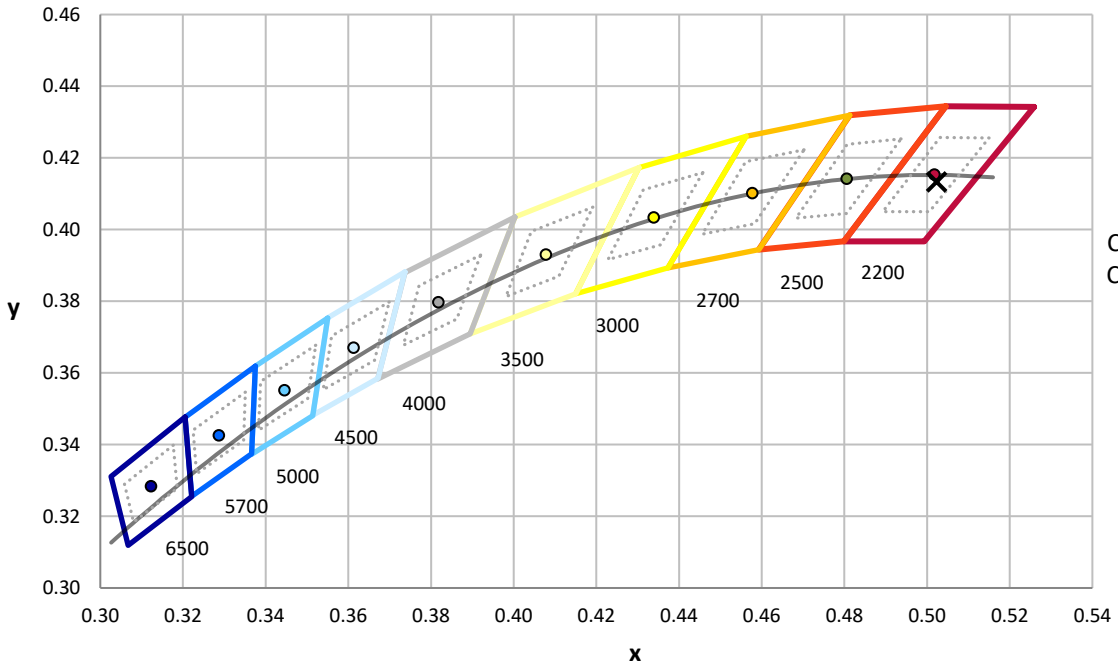
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

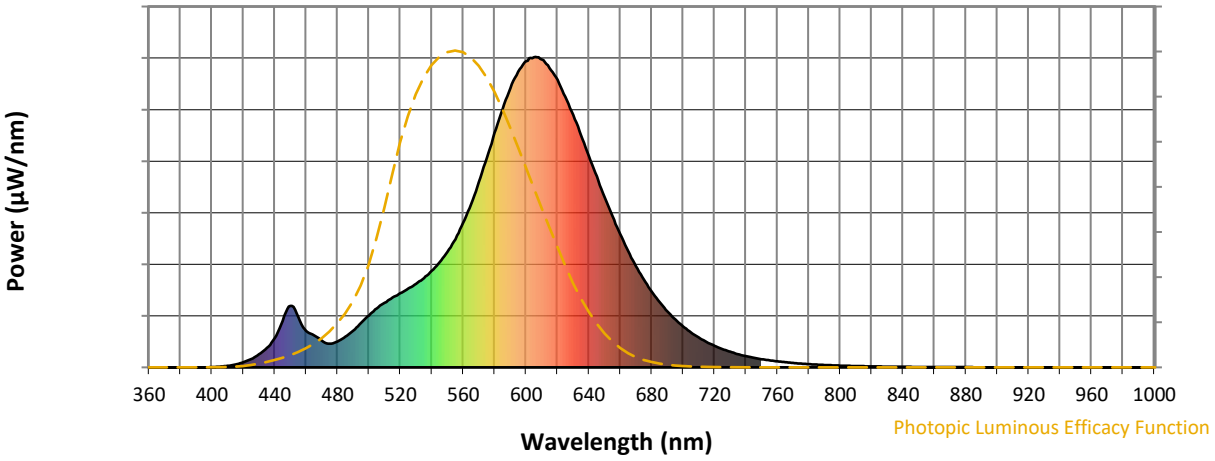


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

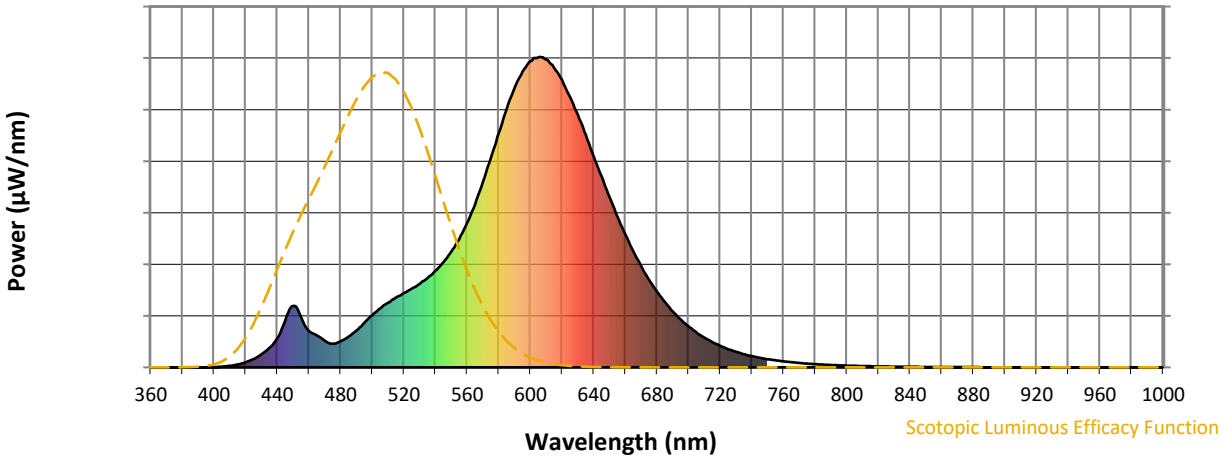


Photopic Lumens: NR

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

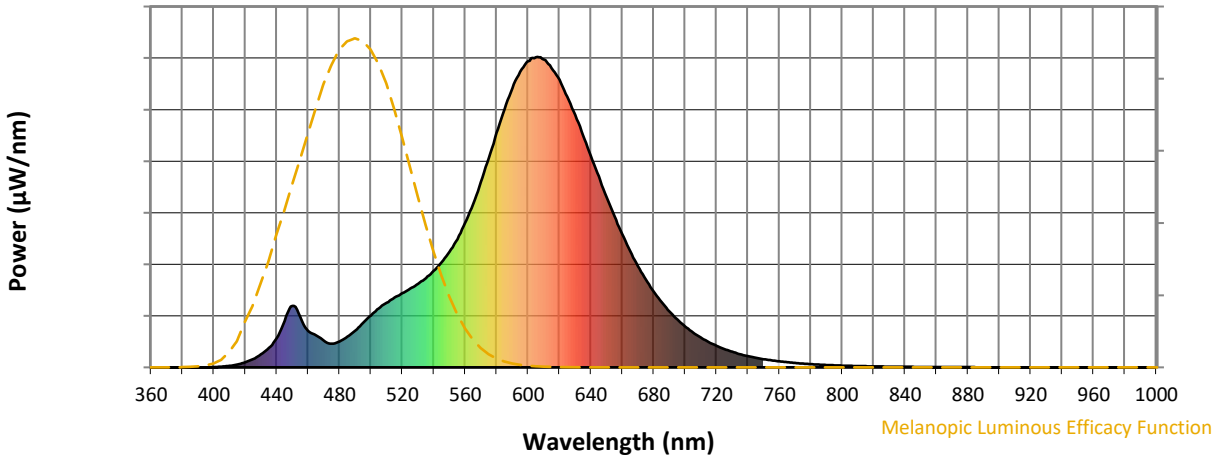


Scotopic Lumens: NR **S/P: 0.94**

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			

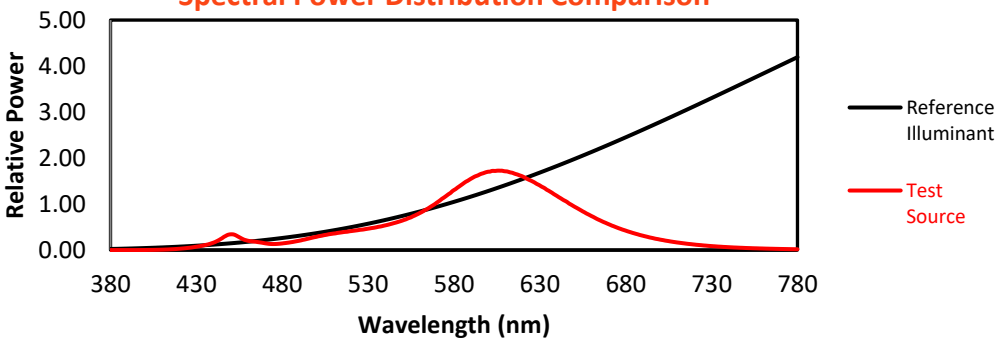
REPORT NUMBER: SP1-2501-332-2

TM-30-18

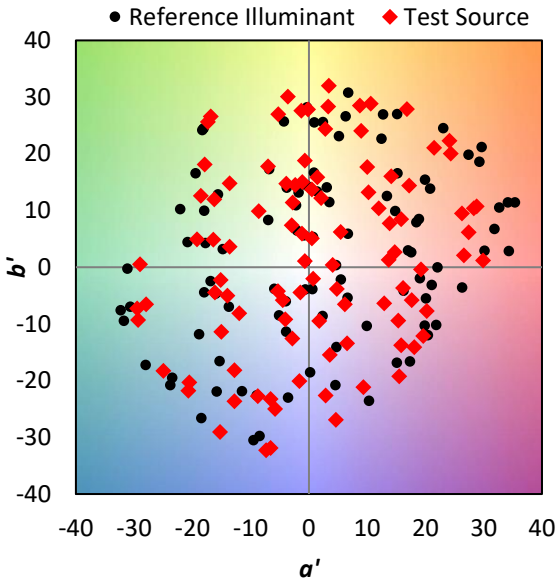
Summary

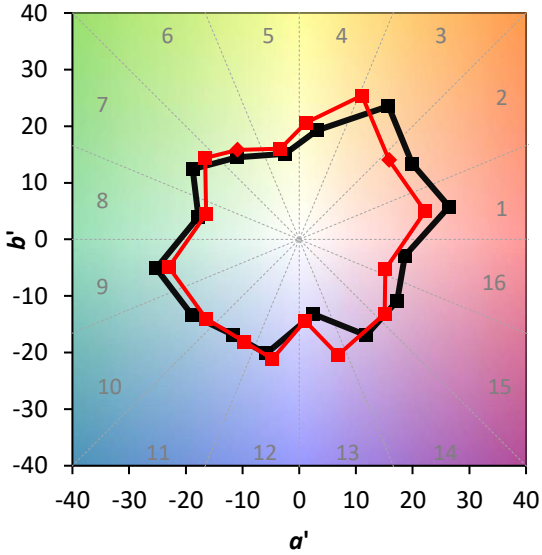
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

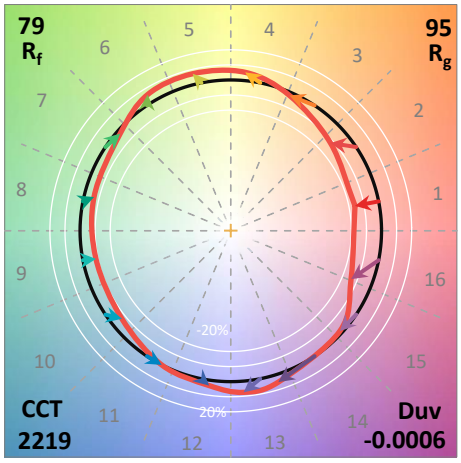
Spectral Power Distribution Comparison

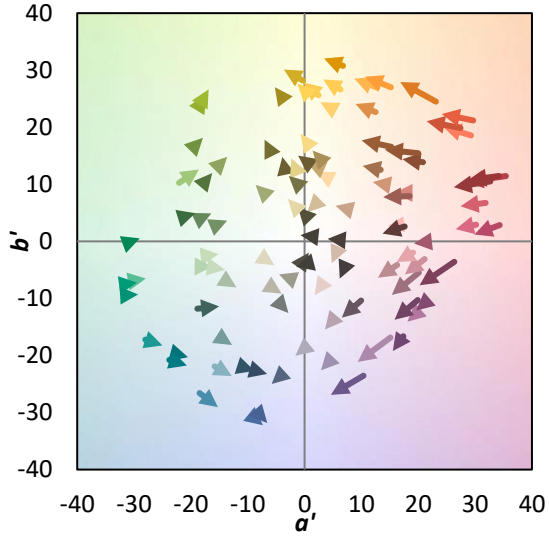


Color Vector Graphics







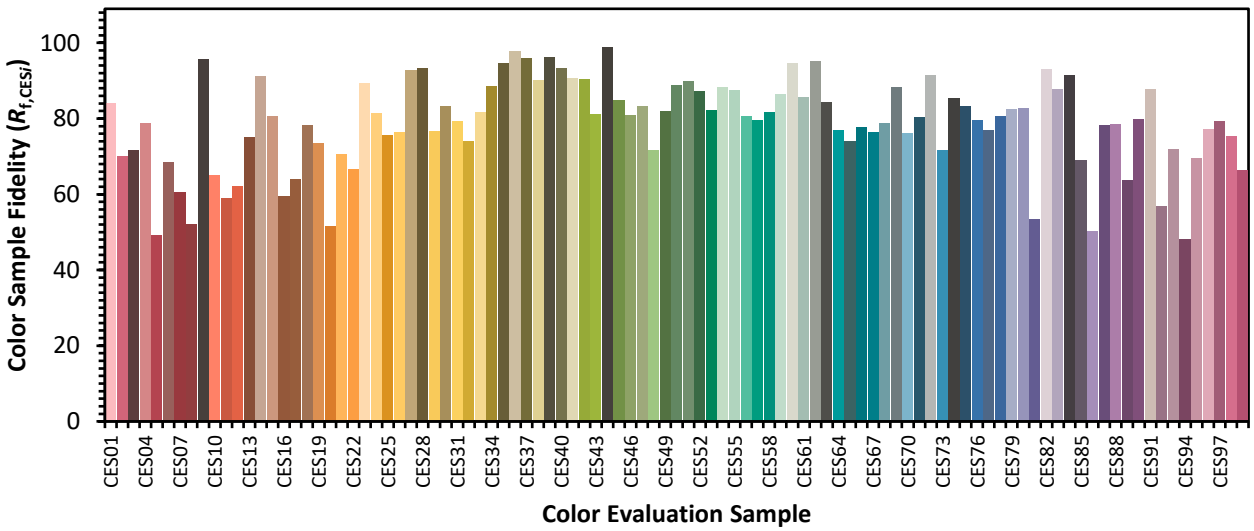


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

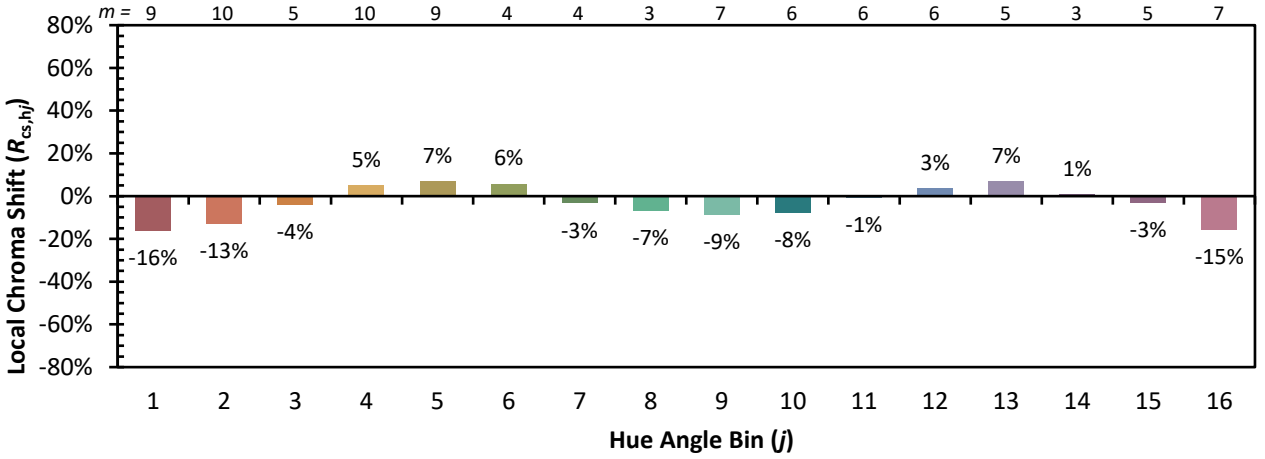
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 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	

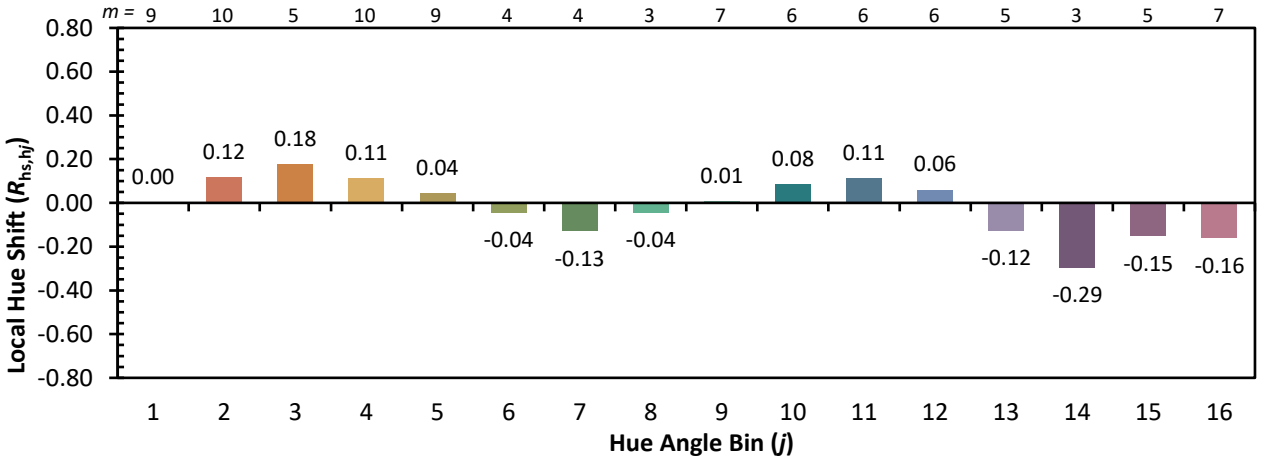


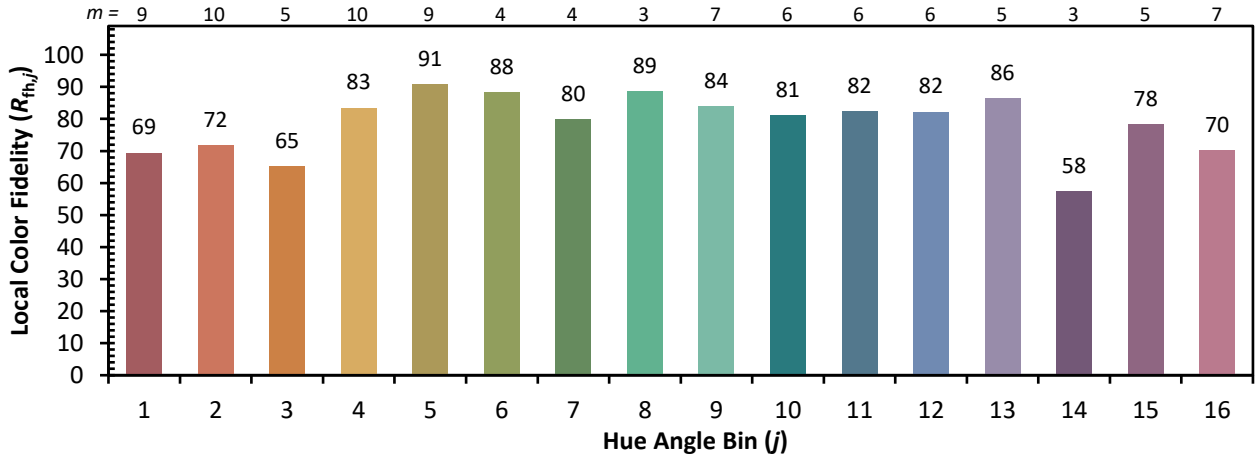
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Color Rendition by Hue-Angle Bin



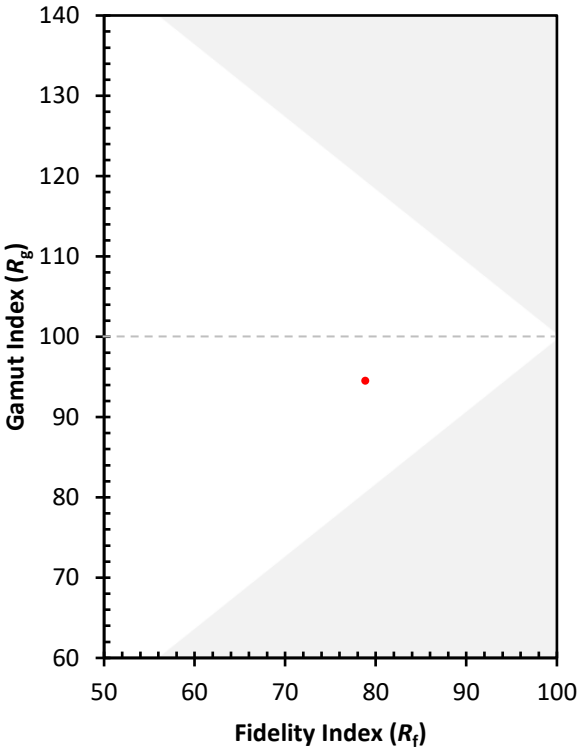


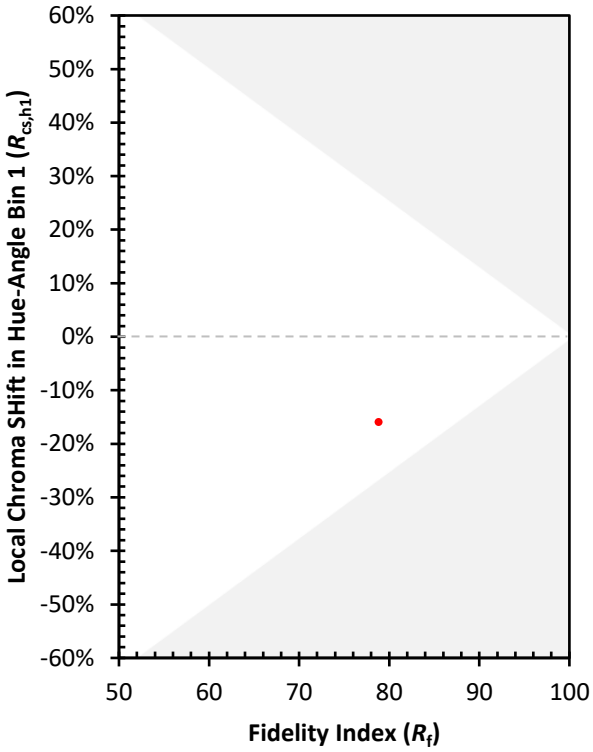


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Measure Comparisons





(END OF REPORT)