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: P1046221

Luminaire Tested: **FFX-CLB-70-750-U-FR-T4-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046221
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-750-U-FR-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10664.9 lumens
Efficiency:	N/A
Efficacy:	149.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U5 - 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

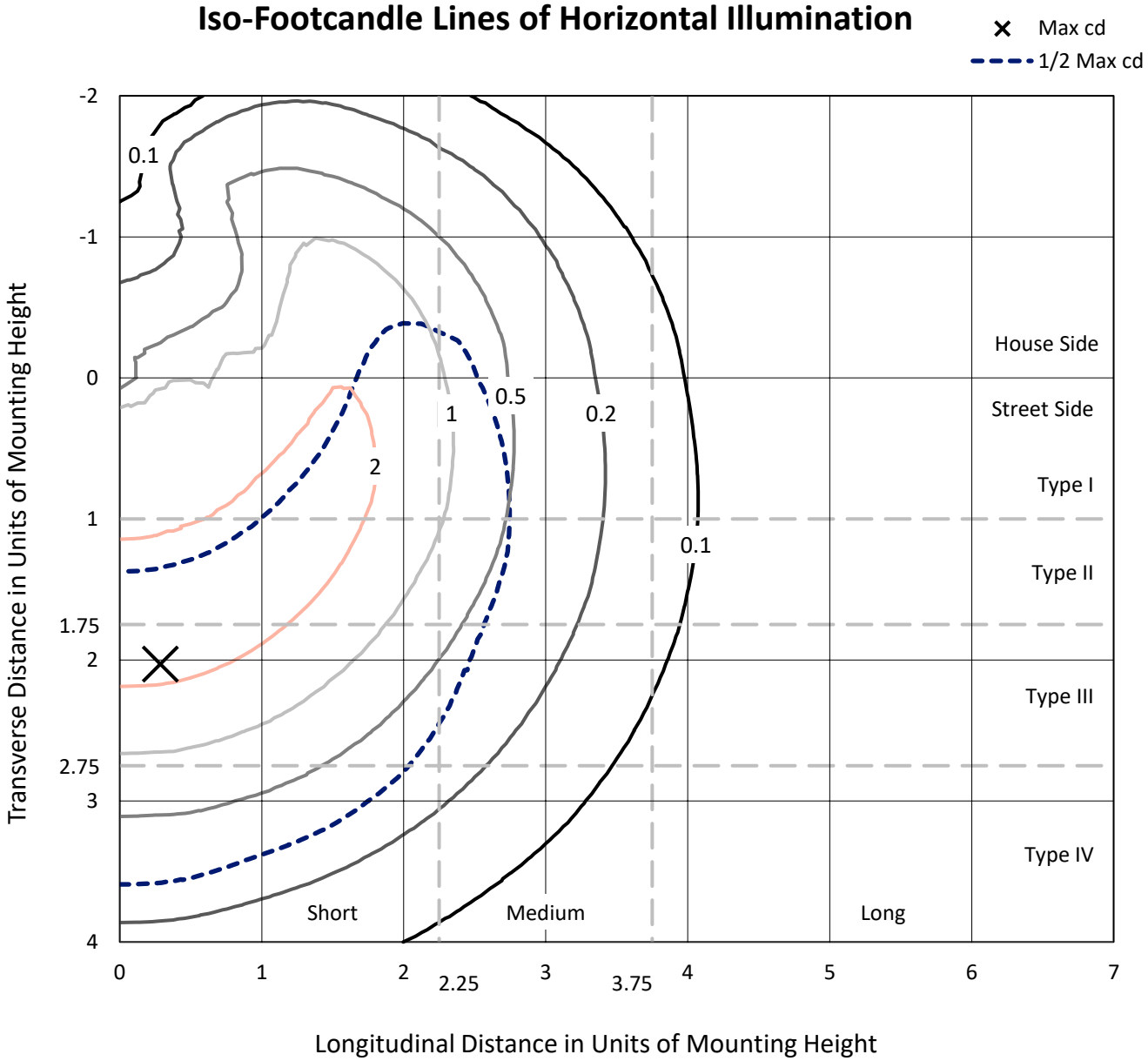


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Iso-Footcandle Lines of Horizontal Illumination



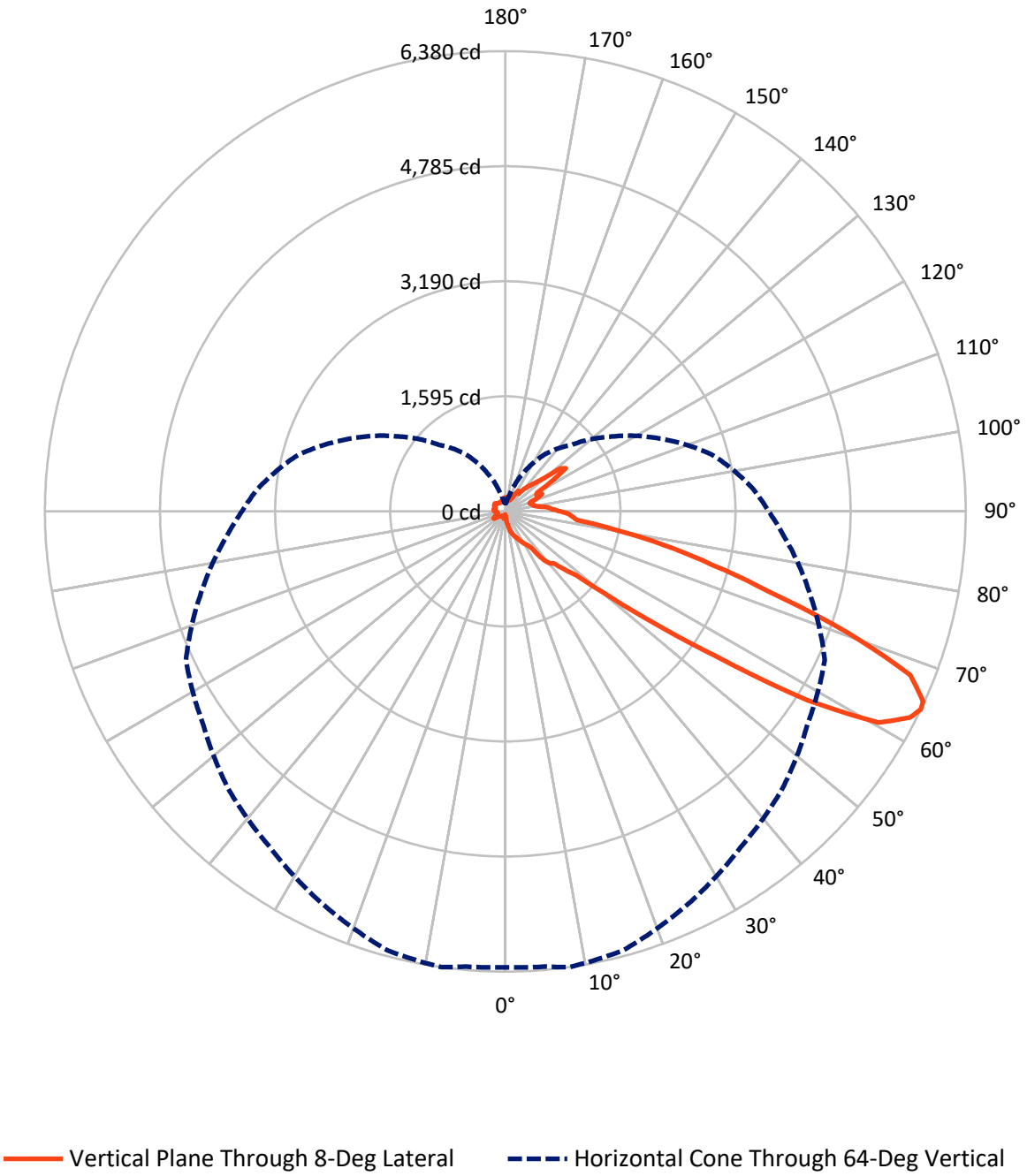
Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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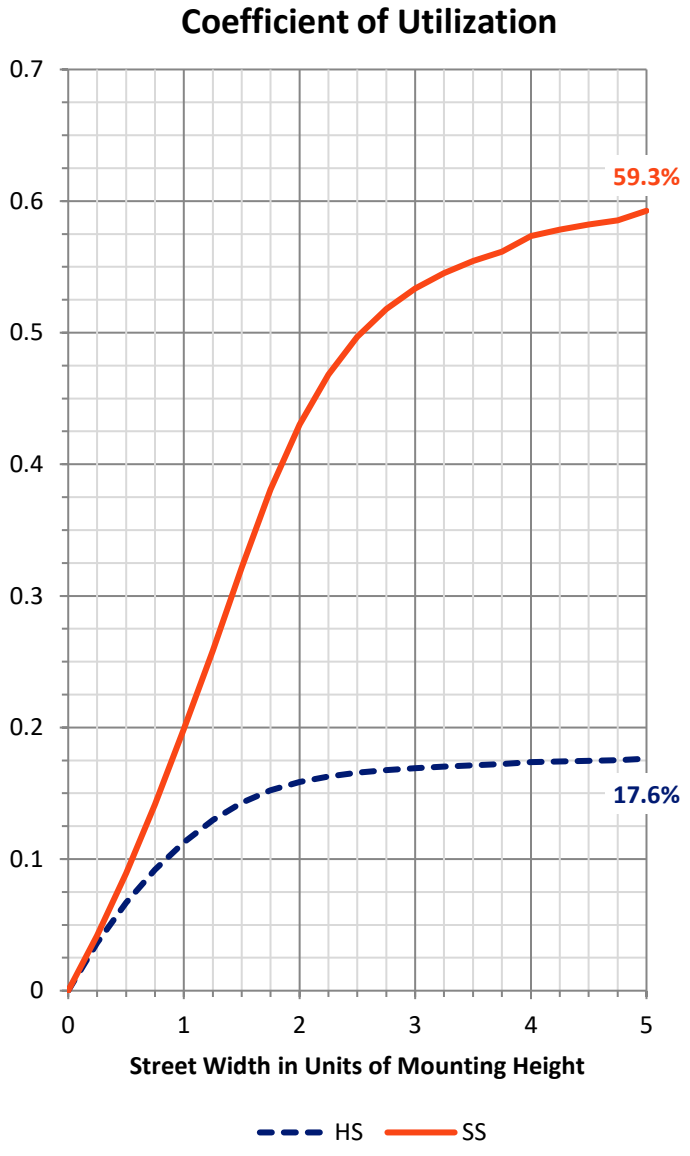
REPORT NUMBER: P1046221
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1950.4	728.6	2679.0
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	6590.8	1395.1	7985.9
	% Fixture	61.8	13.1	74.9
Total	Lumens	8541.2	2123.7	10664.9
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.1
10°-20°	58.7	0.6
20°-30°	127.5	1.2
30°-40°	254.8	2.4
40°-50°	551.5	5.2
50°-60°	1911.7	17.9
60°-70°	3215.7	30.2
70°-80°	1748.6	16.4
80°-90°	661.9	6.2
90°-100°	417.7	3.9
100°-110°	281.8	2.6
110°-120°	304.9	2.9
120°-130°	501.7	4.7
130°-140°	309.0	2.9
140°-150°	161.6	1.5
150°-160°	84.1	0.8
160°-170°	45.8	0.4
170°-180°	17.2	0.2
0°-90°	8541.2	80.1
0°-180°	10664.9	100.0



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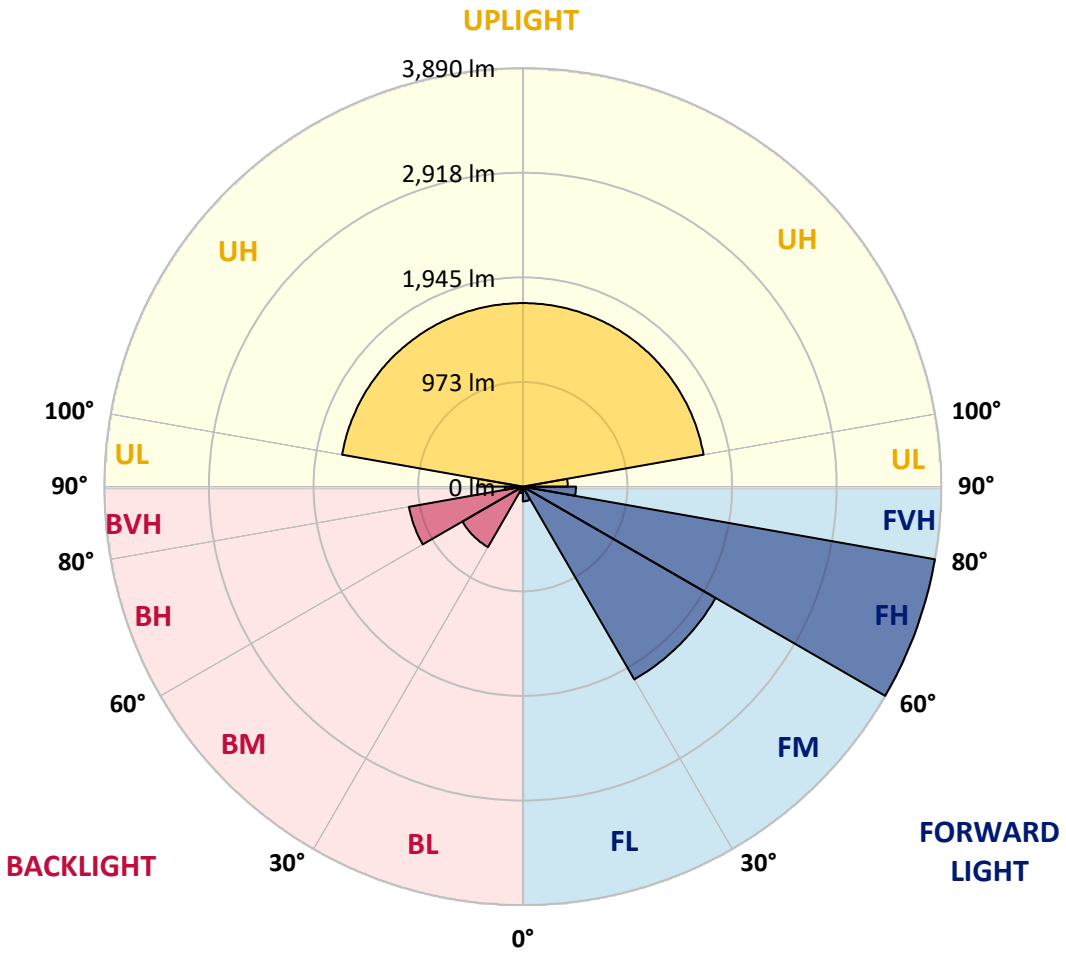
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REPORT NUMBER: P1046221
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	137.2	1.3			
FM	(30°-60°)	2069.7	19.4			
FH	(60°-80°)	3890.1	36.5			G2/5000
FVH	(80°-90°)	493.8	4.6			G3/500
BL	(0°-30°)	59.8	0.6	B0/110		
BM	(30°-60°)	648.3	6.1	B1/1000		
BH	(60°-80°)	1074.1	10.1	B3/2500		G3/2500
BVH	(80°-90°)	168.2	1.6			G2/225
UL	(90°-100°)	417.7	3.9		U3/500	
UH	(100°-180°)	1706.0	16.0		U5	

BUG Rating: B3-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
0°	68.6	68.6	*68.6*	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	74.5	74.5	*74.5*	76.7	78.2	78.9	76.7	75.2	74.5	73.7	71.5
5°	106.9	107.6	*107.6*	109.9	108.4	109.9	106.9	104.7	101.0	96.6	92.9
7.5°	151.1	151.1	*150.4*	151.1	150.4	147.5	147.5	149.7	143.8	134.9	126.8
10°	205.0	206.4	*205.7*	202.7	198.3	194.6	194.6	197.6	188.7	173.3	161.5
12.5°	259.5	262.5	*259.5*	260.3	252.9	249.9	244.0	242.6	230.8	216.0	195.4
15°	300.1	302.3	*303.0*	305.2	304.5	294.9	284.6	273.5	263.9	250.7	229.3
17.5°	332.5	333.2	*334.7*	334.0	329.6	320.0	308.2	296.4	280.9	266.9	247.0
20°	364.2	367.2	*366.4*	365.7	363.5	356.1	342.1	325.1	311.9	291.2	270.6
22.5°	396.7	394.4	*395.9*	395.2	395.2	387.8	373.1	353.2	335.5	314.8	296.4
25°	434.3	433.5	*434.3*	432.0	429.1	425.4	407.0	384.1	364.2	342.8	317.0
27.5°	474.1	474.8	*475.5*	471.9	468.2	462.3	435.7	412.9	391.5	364.9	328.8
30°	518.3	516.1	*516.8*	511.7	509.5	491.0	465.2	437.9	414.3	379.0	343.6
32.5°	558.9	555.2	*554.4*	550.0	546.3	519.8	493.2	466.7	438.7	402.5	371.6
35°	615.6	623.0	*620.0*	620.0	629.6	589.1	558.1	532.3	502.1	464.5	432.0
37.5°	847.1	845.6	*836.8*	825.0	791.8	763.1	749.1	708.5	659.9	618.6	567.0
40°	959.2	954.8	*945.2*	921.6	898.0	864.1	842.7	817.6	792.6	719.6	637.0
42.5°	985.7	982.0	*984.3*	1012.3	1043.2	1018.2	934.9	844.2	799.9	750.5	709.3
45°	1131.0	1143.5	*1147.2*	1146.5	1124.3	1097.8	1061.7	1007.1	930.4	860.4	774.1
47.5°	1315.3	1313.8	*1322.7*	1310.9	1329.3	1282.8	1236.4	1179.6	1100.0	1004.9	901.7
50°	1797.5	1782.0	*1784.2*	1788.6	1760.6	1726.7	1684.7	1653.0	1497.4	1362.5	1205.4
52.5°	2563.5	2565.7	*2549.5*	2548.7	2465.4	2399.8	2326.1	2329.0	2100.5	1919.1	1692.0
55°	3603.0	3604.5	*3546.3*	3594.2	3500.6	3491.7	3328.8	3118.7	2811.2	2564.2	2335.7
57.5°	4897.7	4941.9	*4936.8*	4851.2	4708.2	4630.8	4367.6	4147.1	3712.2	3324.3	3014.0
60°	6000.6	5980.0	*5946.1*	5881.2	5452.8	5273.0	5079.1	4891.0	4530.5	3993.8	3529.3
62.5°	6315.5	6300.0	*6294.1*	6261.6	5923.2	5626.8	5382.8	5075.4	4834.3	4307.9	3834.5
64°	*6320.6*	*6334.6*	*6380.3*	*6302.9*	*6002.1*	*5685.8*	*5432.9*	*5118.9*	*4884.4*	*4365.4*	*3871.4*
65°	6308.8	6305.9	*6363.4*	6265.3	5998.4	5682.9	5402.0	5101.2	4868.9	4349.9	3861.8
67.5°	5992.5	5980.0	*6053.7*	5927.6	5694.7	5410.1	5134.3	4811.4	4607.2	4108.8	3636.2
70°	4917.6	4916.9	*5031.9*	4926.4	4857.1	4555.6	4274.0	3977.6	3759.3	3350.2	2955.0
72.5°	3768.2	3761.5	*3838.2*	3759.3	3723.9	3581.7	3318.5	3056.7	2848.8	2542.1	2222.1
75°	3002.9	3005.8	*2965.3*	2887.9	2859.1	2795.7	2678.5	2522.2	2348.2	2069.5	1774.6
77.5°	2248.7	2233.9	*2251.6*	2143.2	2135.1	2116.0	2115.2	2015.0	1867.5	1689.8	1456.1
80°	1498.9	1507.7	*1539.4*	1510.7	1518.8	1512.1	1553.4	1447.3	1335.2	1230.5	1105.9
82.5°	969.5	993.1	*1001.9*	1041.8	1076.4	1091.9	1035.1	928.2	858.2	819.8	764.5
85°	930.4	940.0	*934.9*	911.3	899.5	880.3	879.6	845.6	809.5	735.8	645.8
87.5°	858.2	869.2	*864.8*	844.2	817.6	815.4	810.3	786.7	769.7	711.5	631.8
90°	732.1	732.8	*736.5*	732.8	727.7	724.0	694.5	680.5	670.2	620.0	566.2
92.5°	634.8	643.6	*641.4*	634.8	617.8	628.2	596.5	569.9	564.0	529.4	488.1
95°	583.2	589.1	*590.6*	578.8	562.5	558.9	534.5	513.9	504.3	481.4	431.3
97.5°	483.6	480.0	*477.0*	474.1	463.0	451.2	435.7	409.9	401.8	376.7	348.7
100°	412.9	414.3	*412.9*	410.7	401.1	395.2	384.1	363.5	354.6	338.4	319.2
102.5°	393.7	394.4	*394.4*	395.2	379.0	365.7	353.9	339.1	331.0	317.0	298.6
105°	376.0	376.0	*377.5*	378.2	362.0	342.8	325.9	317.8	314.1	297.9	278.7
107.5°	353.9	353.2	*355.4*	345.8	329.6	321.4	303.8	294.2	292.7	280.2	260.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	386.3	378.2	*376.7*	353.2	331.0	312.6	303.8	294.9	289.7	272.8	260.3
112.5°	505.8	494.7	*491.8*	469.6	392.2	385.6	377.5	374.5	371.6	348.7	327.3
115°	557.4	557.4	*566.2*	557.4	503.6	442.4	433.5	420.2	425.4	397.4	366.4
117.5°	446.0	477.0	*485.9*	459.3	461.5	422.5	362.0	341.4	331.0	322.9	336.9
120°	500.6	521.2	*512.4*	463.7	441.6	418.8	421.7	414.3	377.5	326.6	331.8
122.5°	746.1	765.3	*771.9*	775.6	785.9	770.4	735.8	687.1	650.3	589.1	554.4
125°	1044.7	1030.7	*1029.2*	1035.9	1044.0	1024.1	1009.3	999.7	976.9	896.5	783.7
127.5°	959.2	952.6	*963.6*	962.1	982.0	948.1	941.5	946.7	937.8	892.8	827.2
130°	687.9	699.7	*707.8*	734.3	773.4	743.2	715.2	673.1	670.2	692.3	657.6
132.5°	577.3	582.4	*597.2*	631.8	661.3	648.8	607.5	567.0	564.0	582.4	579.5
135°	510.2	513.9	*516.1*	517.6	512.4	524.2	515.4	500.6	491.0	491.8	482.9
137.5°	455.6	457.1	*455.6*	443.8	429.8	427.6	449.7	450.5	441.6	426.1	414.3
140°	395.2	395.2	*389.3*	381.2	379.0	379.7	392.2	394.4	384.1	371.6	353.9
142.5°	308.9	305.2	*306.0*	319.2	342.8	337.7	321.4	300.8	297.9	312.6	306.7
145°	334.0	333.2	*331.0*	331.8	325.9	316.3	310.4	303.8	292.0	282.4	272.8
147.5°	336.9	334.0	*335.5*	332.5	329.6	325.1	322.9	325.9	322.9	316.3	303.8
150°	266.2	267.6	*269.1*	265.4	268.4	269.8	268.4	266.2	269.8	261.7	256.6
152.5°	207.9	207.2	*206.4*	207.9	207.2	210.1	210.9	210.1	208.6	207.9	199.8
155°	195.4	197.6	*196.1*	191.7	194.6	196.9	199.8	202.0	199.8	196.1	188.7
157.5°	179.9	179.9	*179.9*	179.9	180.6	181.4	185.1	186.5	186.5	184.3	179.2
160°	167.4	168.1	*168.1*	168.1	169.6	171.0	173.3	174.7	176.2	174.7	171.8
162.5°	160.0	159.3	*159.3*	160.0	160.0	162.2	164.4	167.4	168.1	166.6	166.6
165°	155.6	155.6	*155.6*	156.3	157.8	159.3	162.2	162.9	163.7	165.1	165.1
167.5°	160.7	160.7	*160.7*	161.5	162.9	165.1	166.6	168.1	171.0	171.8	171.8
170°	168.8	168.8	*168.8*	169.6	170.3	171.0	171.8	173.3	174.0	175.5	174.7
172.5°	176.9	176.2	*176.9*	176.9	176.9	176.9	176.9	177.7	178.4	178.4	178.4
175°	185.8	185.8	*186.5*	185.8	184.3	184.3	184.3	185.1	185.1	185.1	184.3
177.5°	194.6	194.6	*193.9*	194.6	193.9	193.2	192.4	191.7	190.2	190.2	188.7
180°	189.5	189.5	*189.5*	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	70.0	67.1	63.4	59.0	54.6	51.6	48.7	45.0	42.8	42.0	42.0
5°	88.5	86.3	82.6	76.7	73.0	66.4	60.5	56.8	53.1	49.4	46.4
7.5°	123.9	123.1	125.3	129.8	123.9	108.4	92.2	83.3	84.0	88.5	90.7
10°	155.6	151.1	151.9	162.2	152.6	123.1	101.0	92.9	97.3	106.2	107.6
12.5°	188.7	182.1	176.9	174.7	153.4	120.2	100.3	90.7	92.9	100.3	100.3
15°	219.0	210.9	199.1	183.6	158.5	129.0	104.7	90.7	90.7	89.9	88.5
17.5°	235.9	227.1	205.7	181.4	154.1	127.5	102.5	88.5	81.1	75.2	74.5
20°	262.5	258.0	230.8	196.1	158.5	124.6	98.8	84.8	76.7	72.3	70.8
22.5°	288.3	275.7	240.3	205.0	162.2	123.9	97.3	84.0	76.7	73.0	71.5
25°	302.3	286.8	251.4	215.3	167.4	124.6	98.8	85.5	77.4	73.7	73.0
27.5°	313.3	297.1	263.9	224.9	174.0	127.5	103.2	87.7	78.9	74.5	73.7
30°	328.1	312.6	278.7	236.7	179.9	134.2	108.4	91.4	81.1	76.7	75.9
32.5°	356.1	336.9	297.1	247.0	187.3	140.8	115.0	97.3	84.8	78.2	78.2
35°	414.3	393.7	340.6	275.0	195.4	146.0	119.4	101.0	87.7	80.4	79.6
37.5°	536.7	510.9	446.0	344.3	215.3	153.4	124.6	103.2	89.2	82.6	81.1
40°	595.7	547.8	474.8	384.9	248.5	165.1	132.7	108.4	91.4	83.3	82.6
42.5°	667.2	627.4	527.1	395.2	275.7	192.4	146.7	115.8	95.8	84.8	84.0
45°	737.3	698.2	609.0	480.7	331.8	235.2	169.6	128.3	102.5	88.5	86.3
47.5°	859.7	795.5	688.6	562.5	408.4	297.9	208.6	146.0	113.5	92.9	89.9
50°	1162.7	1120.6	957.0	763.8	531.6	387.8	283.8	187.3	126.1	95.8	91.4
52.5°	1568.2	1488.5	1302.8	1066.1	771.2	575.8	415.1	278.0	154.8	98.8	92.9
55°	2210.3	2086.5	1872.7	1462.7	1106.6	872.9	649.5	456.4	235.9	105.4	93.6
57.5°	2896.7	2784.7	2529.6	2021.6	1499.6	1111.8	855.2	644.4	331.0	120.2	101.7
60°	3356.1	3160.7	2869.5	2378.4	1812.9	1307.2	957.0	676.1	343.6	123.1	106.2
62.5°	3619.3	3417.2	2986.7	2422.7	1869.0	1350.7	1001.2	619.3	274.3	119.4	110.6
64°	*3650.2*	*3455.6*	*2988.2*	*2380.6*	*1809.3*	*1305.7*	*970.2*	*581.0*	*238.1*	*118.0*	*112.8*
65°	3625.9	3446.0	2952.0	2330.5	1728.9	1247.5	933.4	542.6	211.6	116.5	113.5
67.5°	3389.2	3231.5	2713.9	2113.8	1537.2	1077.2	766.0	417.3	165.9	113.5	112.1
70°	2744.9	2672.6	2231.0	1705.3	1215.0	858.9	603.8	319.2	140.8	110.6	109.1
72.5°	2059.2	1967.8	1664.8	1301.3	946.7	668.0	458.6	245.5	124.6	107.6	106.2
75°	1650.7	1561.5	1319.7	1024.8	704.1	499.1	339.1	183.6	117.2	106.9	105.4
77.5°	1364.7	1293.2	1085.3	780.0	500.6	357.6	249.2	149.7	115.0	107.6	106.2
80°	1049.9	1038.1	847.9	567.7	354.6	266.9	201.3	140.1	115.8	110.6	109.1
82.5°	736.5	707.0	598.7	422.5	306.7	244.0	193.2	142.3	121.6	117.2	116.5
85°	606.8	583.9	512.4	406.2	292.0	235.9	191.0	146.0	127.5	123.9	122.4
87.5°	600.1	575.1	507.2	388.5	277.2	224.9	182.1	142.3	126.8	124.6	126.1
90°	544.8	526.4	463.7	358.3	275.0	228.6	190.2	157.0	140.8	133.4	132.0
92.5°	477.0	466.0	421.7	348.0	285.3	241.8	207.2	174.0	159.3	154.8	152.6
95°	416.6	412.1	376.0	316.3	263.2	227.8	196.1	167.4	154.8	148.9	148.2
97.5°	341.4	336.2	308.2	269.1	230.0	200.5	176.9	154.8	146.0	145.2	144.5
100°	311.9	308.2	288.3	263.2	232.2	210.1	189.5	171.0	163.7	163.7	164.4
102.5°	288.3	286.1	268.4	242.6	218.2	197.6	180.6	163.7	154.8	154.8	149.7
105°	269.1	265.4	249.2	228.6	203.5	184.3	168.1	155.6	146.0	143.0	143.0
107.5°	252.1	247.7	234.5	214.5	196.1	177.7	162.9	151.1	144.5	142.3	142.3

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

Scaled Data Report

REPORT NUMBER: P1046221
CATALOG NUMBER: FFX-CLB-70-750-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	252.9	249.2	233.7	212.3	195.4	181.4	169.6	158.5	152.6	148.2	148.2
112.5°	311.1	295.6	268.4	236.7	217.5	199.1	180.6	165.1	157.8	156.3	154.8
115°	352.4	336.9	303.0	261.7	227.1	201.3	182.8	171.0	164.4	168.8	171.0
117.5°	353.9	325.9	261.0	241.1	216.0	194.6	182.1	174.7	170.3	174.7	174.7
120°	360.5	303.8	269.1	261.0	231.5	201.3	187.3	185.8	181.4	172.5	172.5
122.5°	536.0	484.4	429.1	359.1	297.9	269.1	244.0	200.5	179.9	170.3	169.6
125°	738.7	684.9	598.7	505.0	416.6	324.4	241.1	205.7	184.3	172.5	170.3
127.5°	785.2	743.2	629.6	517.6	392.2	302.3	241.8	211.6	190.2	177.7	175.5
130°	633.3	600.1	523.5	432.0	345.0	279.4	235.9	205.7	185.1	172.5	169.6
132.5°	563.3	532.3	457.1	373.8	306.0	255.1	216.0	186.5	165.9	157.0	157.0
135°	471.1	449.7	382.6	333.2	284.6	241.8	203.5	176.2	159.3	154.1	154.1
137.5°	404.0	387.1	339.1	300.1	262.5	225.6	192.4	170.3	158.5	153.4	152.6
140°	345.8	334.7	306.7	268.4	232.2	196.1	170.3	157.8	152.6	150.4	149.7
142.5°	300.8	292.7	267.6	227.8	192.4	170.3	160.7	157.0	151.9	146.7	146.0
145°	263.2	256.6	227.8	205.0	188.0	179.2	171.8	160.7	148.2	141.6	140.8
147.5°	295.6	285.3	260.3	233.7	206.4	185.8	169.6	154.8	143.0	138.6	138.6
150°	254.4	247.0	231.5	210.9	188.0	168.8	154.8	145.2	140.8	140.1	140.1
152.5°	197.6	193.9	189.5	179.2	164.4	151.9	143.0	138.6	140.1	143.0	143.8
155°	185.8	184.3	179.9	170.3	160.7	148.9	141.6	139.3	141.6	144.5	145.2
157.5°	176.9	176.2	172.5	163.7	154.8	147.5	142.3	140.8	143.0	145.2	145.2
160°	169.6	168.8	163.7	157.0	150.4	145.2	141.6	141.6	143.8	145.2	145.2
162.5°	165.1	164.4	160.7	155.6	151.1	148.2	147.5	147.5	148.2	148.9	148.9
165°	165.1	164.4	160.7	156.3	153.4	153.4	154.8	155.6	153.4	151.9	152.6
167.5°	171.8	170.3	165.9	162.2	161.5	162.2	164.4	164.4	162.9	160.7	160.0
170°	174.0	173.3	171.8	170.3	170.3	170.3	171.0	171.8	171.8	172.5	172.5
172.5°	178.4	178.4	177.7	177.7	178.4	177.7	177.7	179.2	180.6	181.4	182.1
175°	184.3	183.6	184.3	184.3	185.1	184.3	183.6	185.1	187.3	188.7	188.7
177.5°	188.7	188.7	188.0	187.3	187.3	187.3	187.3	188.0	188.0	188.0	187.3
180°	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

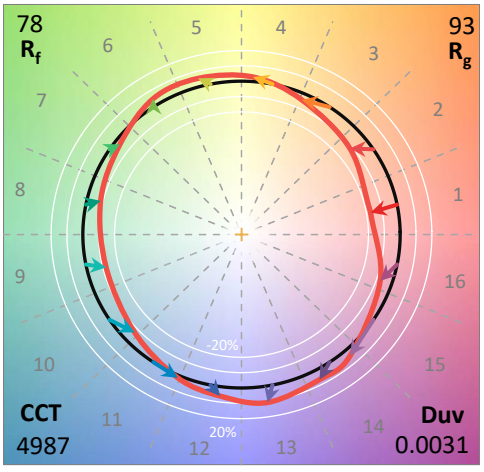
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

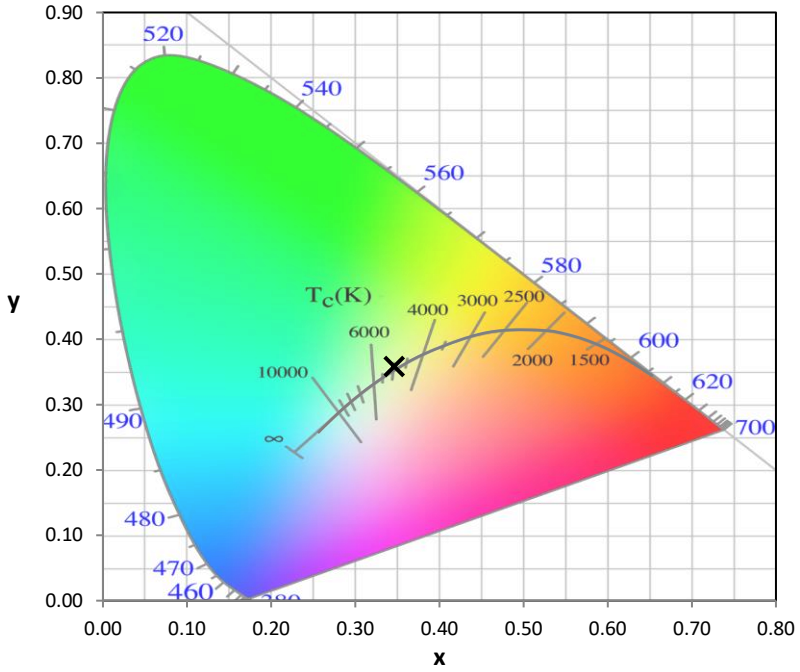
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

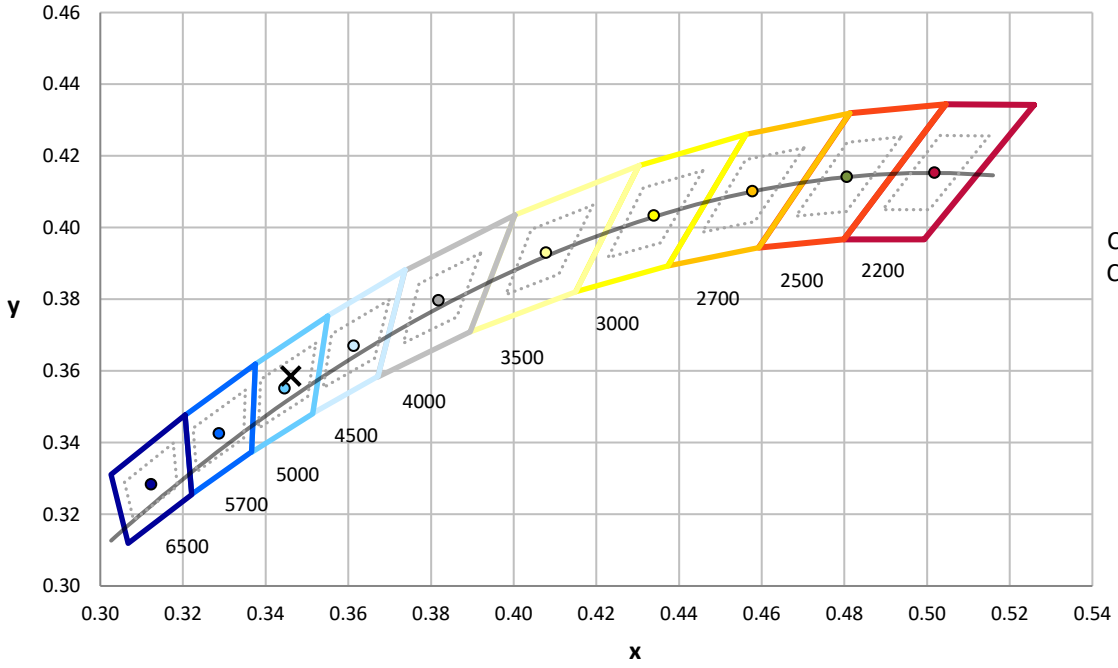
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

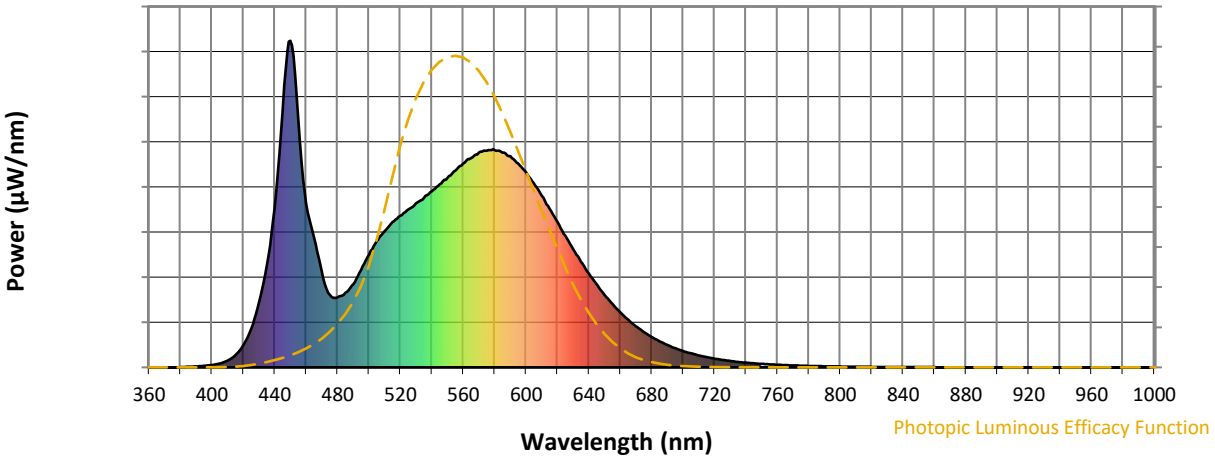


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

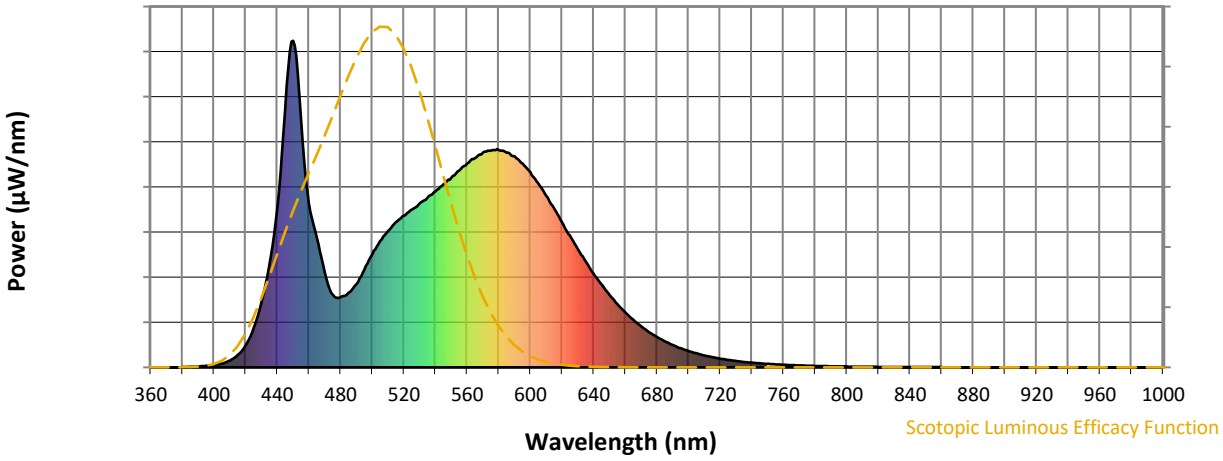


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

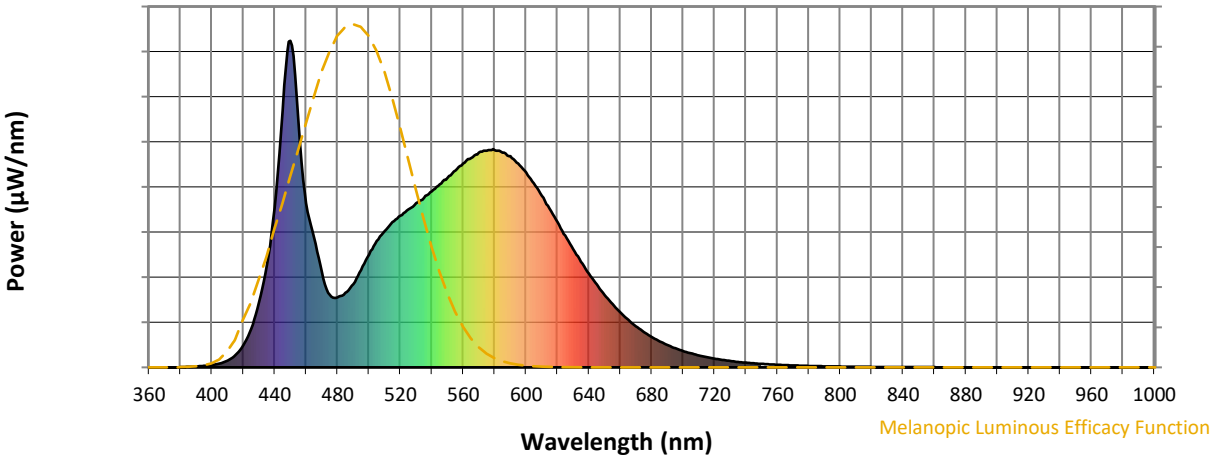


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

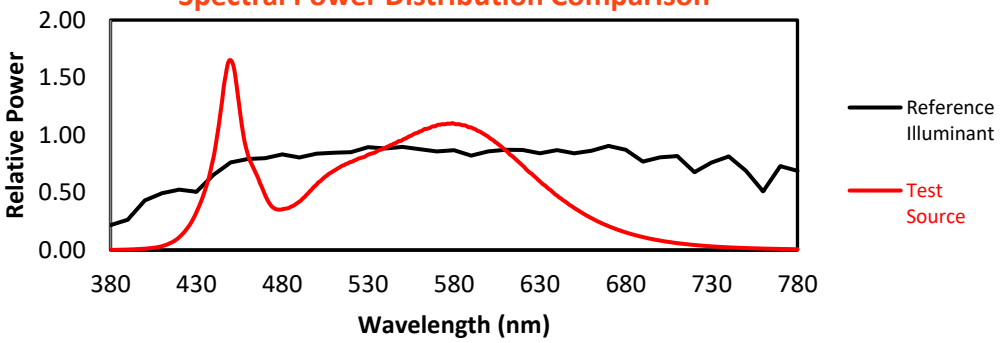
REPORT NUMBER: SP1-2501-332-5

TM-30-18

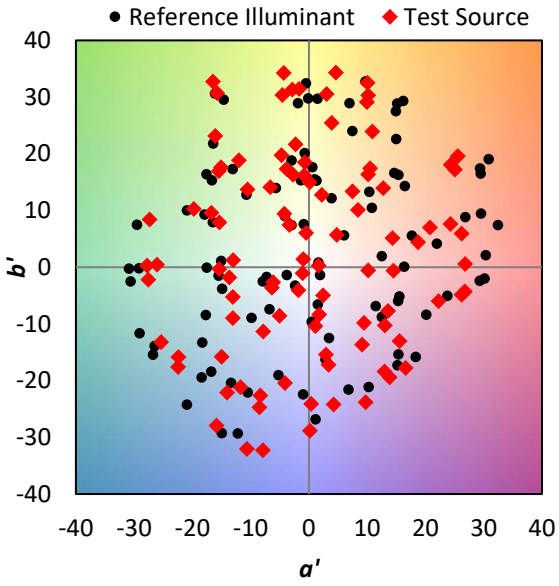
Summary

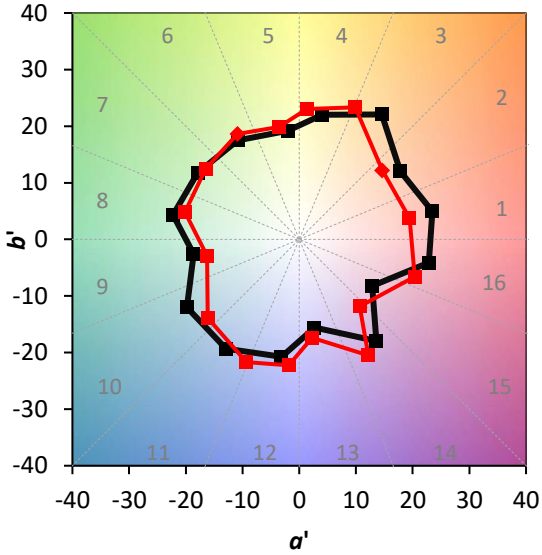
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

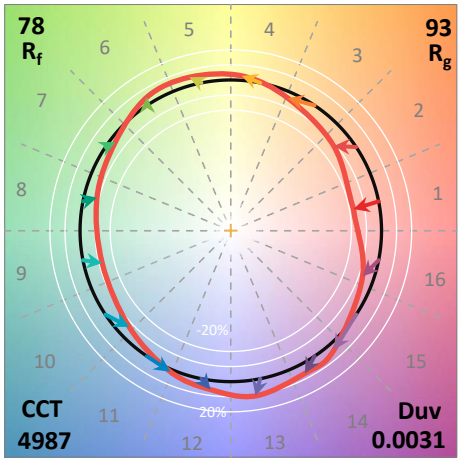
Spectral Power Distribution Comparison

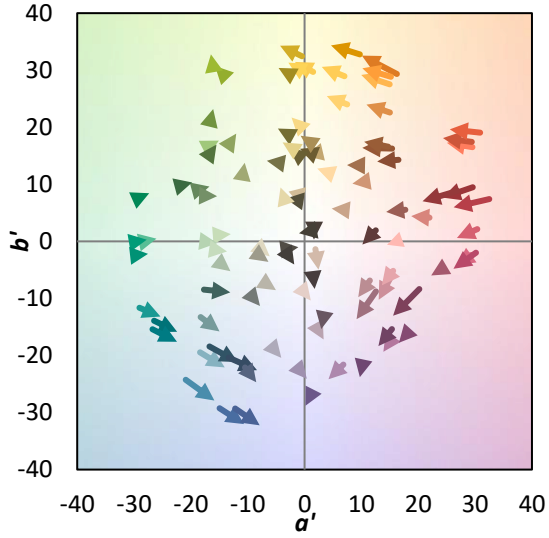


Color Vector Graphics







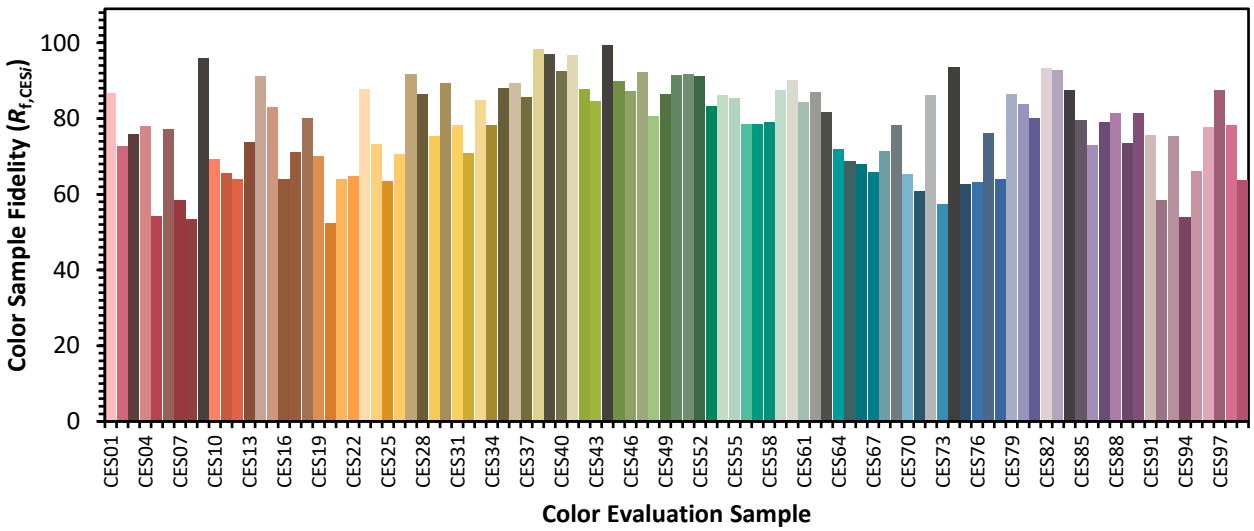


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

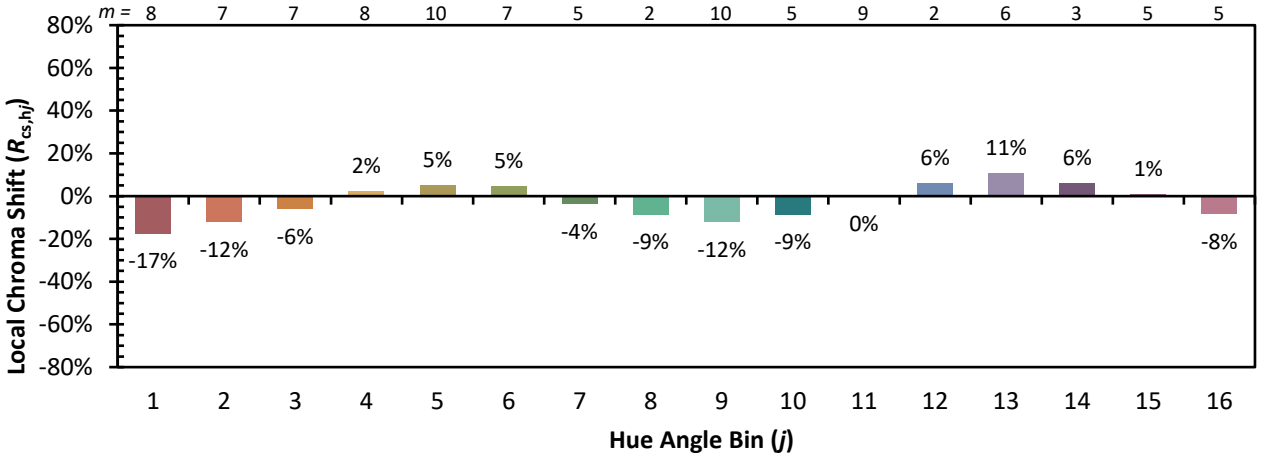
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

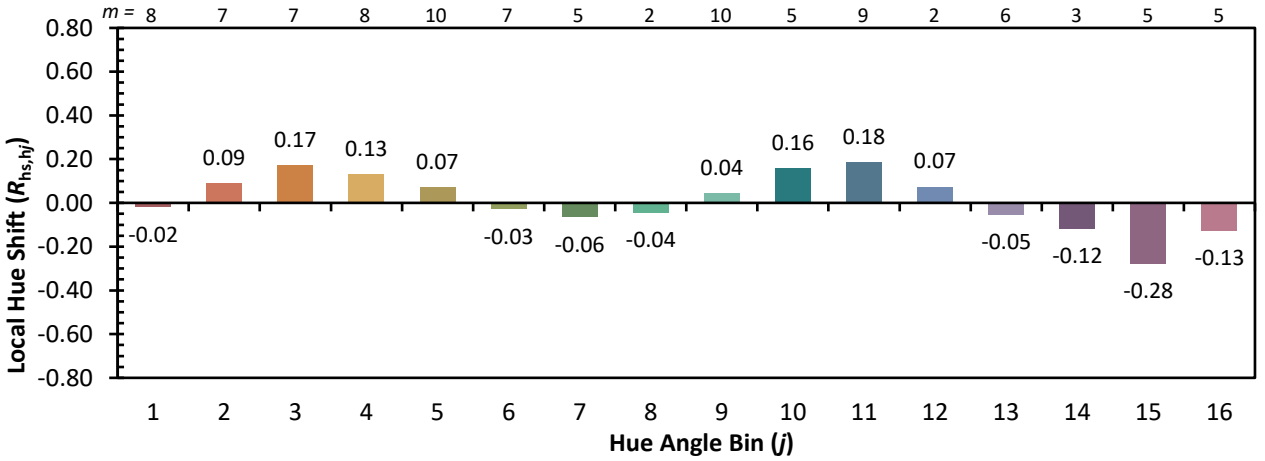


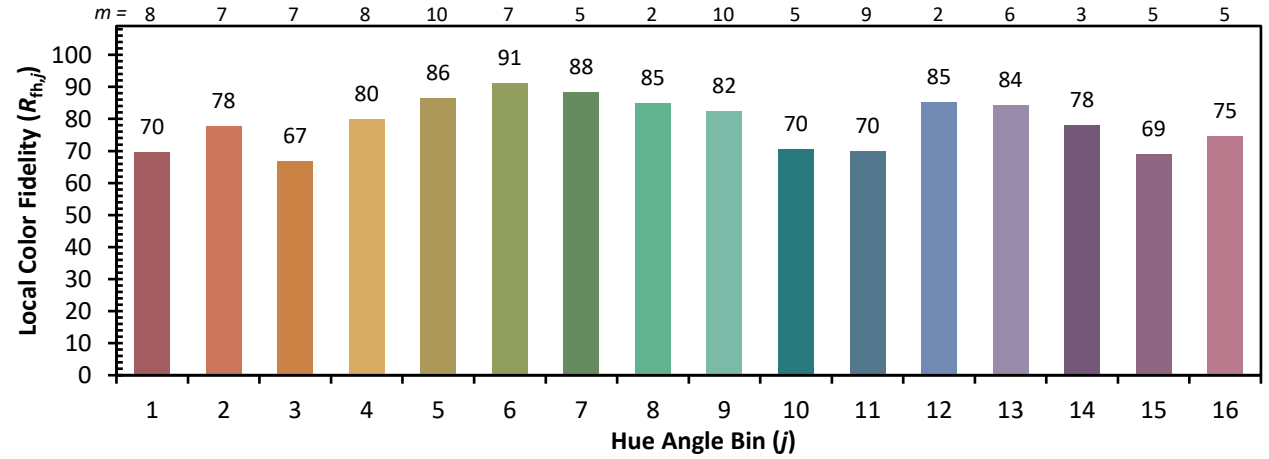
REPORT NUMBER: SP1-2501-332-5

TM-30-18

Color Rendition by Hue-Angle Bin



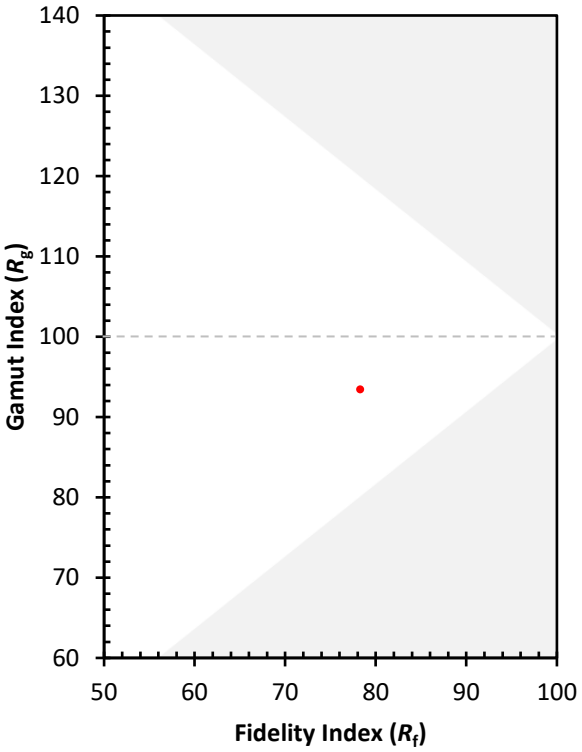


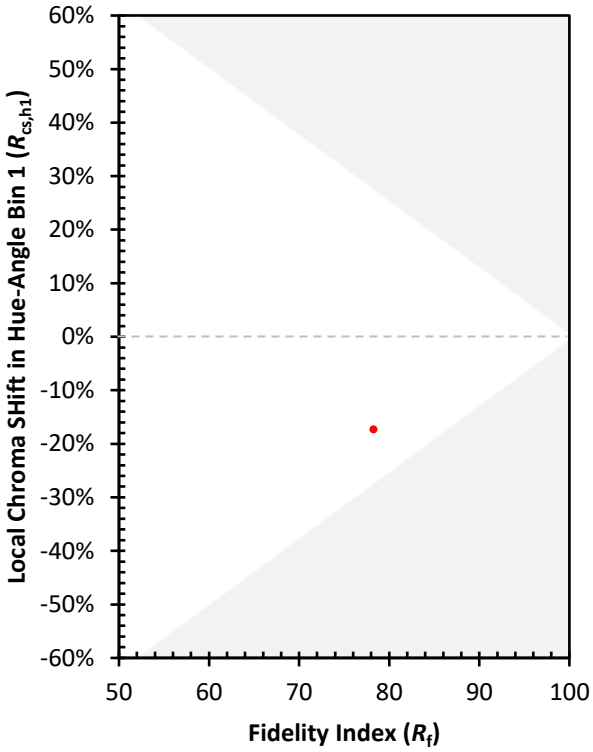


REPORT NUMBER: SP1-2501-332-5

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Measure Comparisons





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