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: P1046225

Luminaire Tested: **FFX-CLB-30-750-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:	P1046225
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-750-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:	4703.6 lumens
Efficiency:	N/A
Efficacy:	153.7 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U4 - G2

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

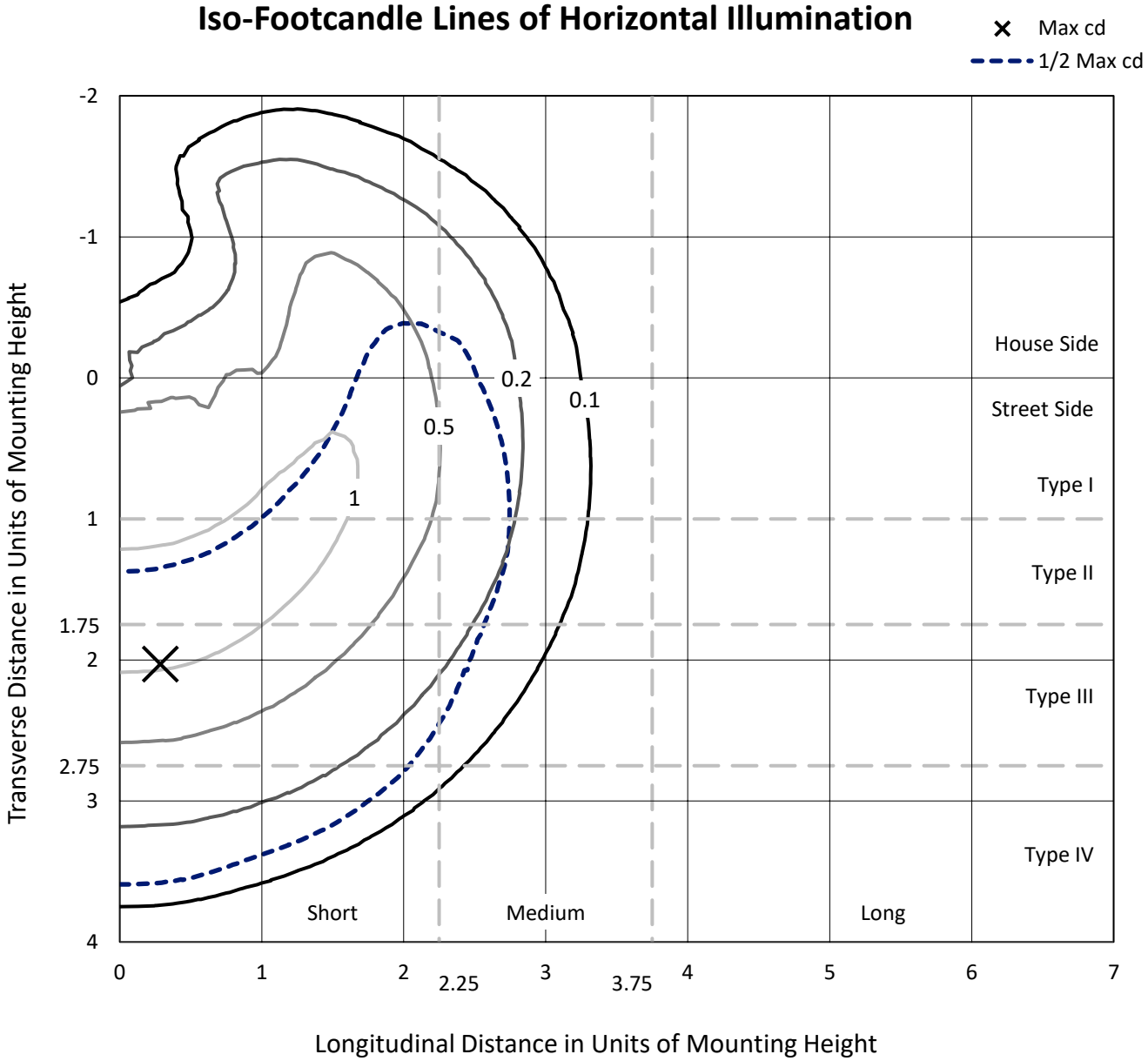


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Iso-Footcandle Lines of Horizontal Illumination



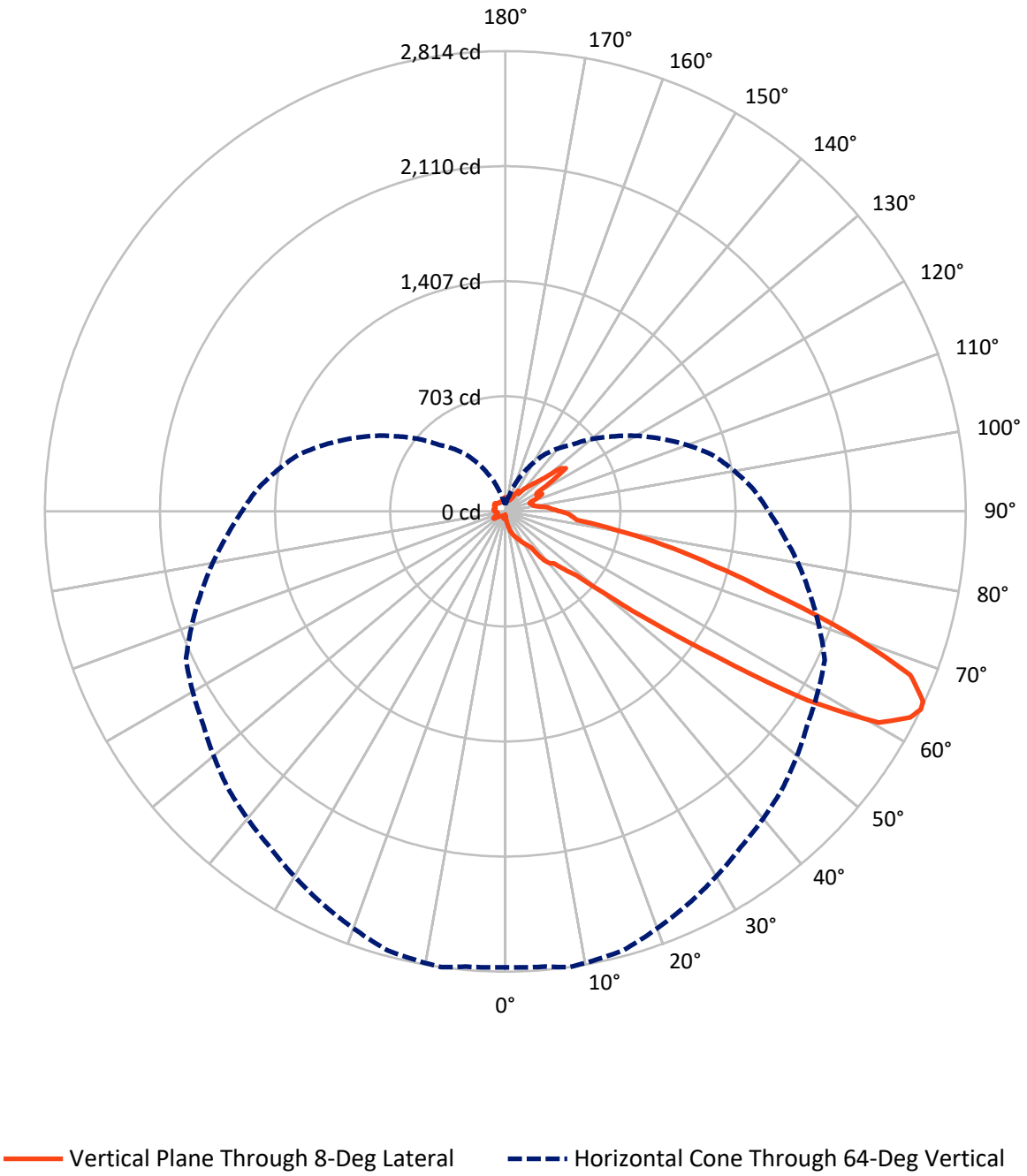
Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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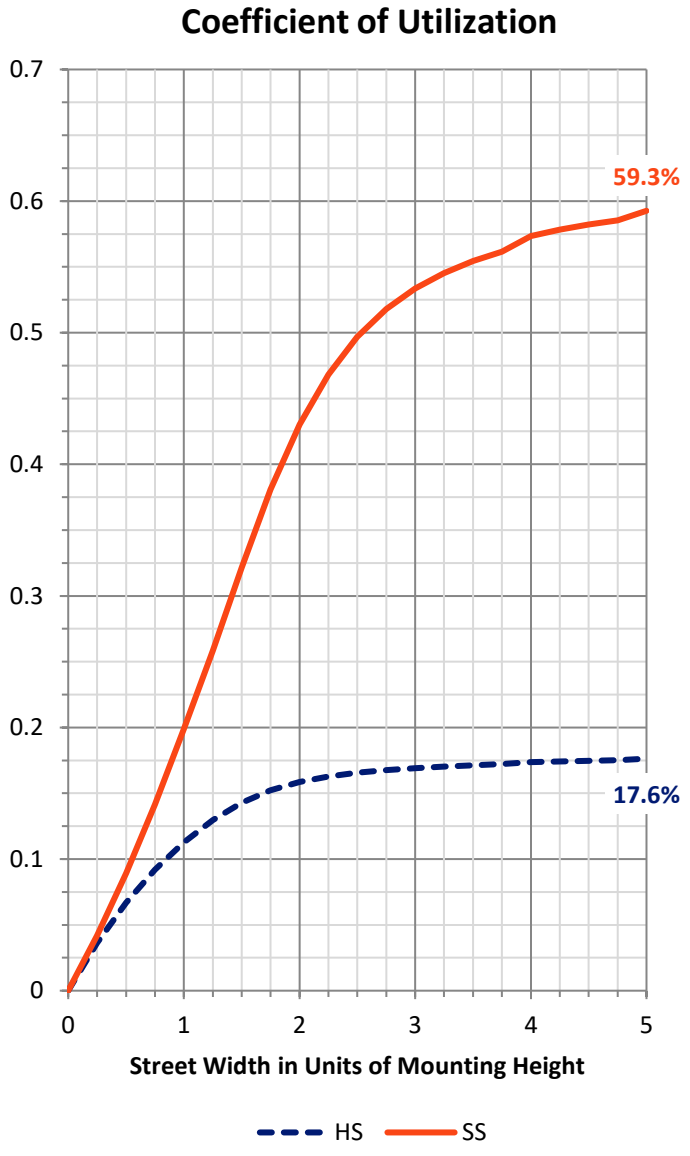
REPORT NUMBER: P1046225
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	860.2	321.3	1181.5
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	2906.7	615.3	3522.0
	% Fixture	61.8	13.1	74.9
Total	Lumens	3766.9	936.6	4703.6
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	25.9	0.6
20°-30°	56.2	1.2
30°-40°	112.4	2.4
40°-50°	243.2	5.2
50°-60°	843.1	17.9
60°-70°	1418.2	30.2
70°-80°	771.2	16.4
80°-90°	291.9	6.2
90°-100°	184.2	3.9
100°-110°	124.3	2.6
110°-120°	134.5	2.9
120°-130°	221.3	4.7
130°-140°	136.3	2.9
140°-150°	71.3	1.5
150°-160°	37.1	0.8
160°-170°	20.2	0.4
170°-180°	7.6	0.2
0°-90°	3766.9	80.1
0°-180°	4703.6	100.0



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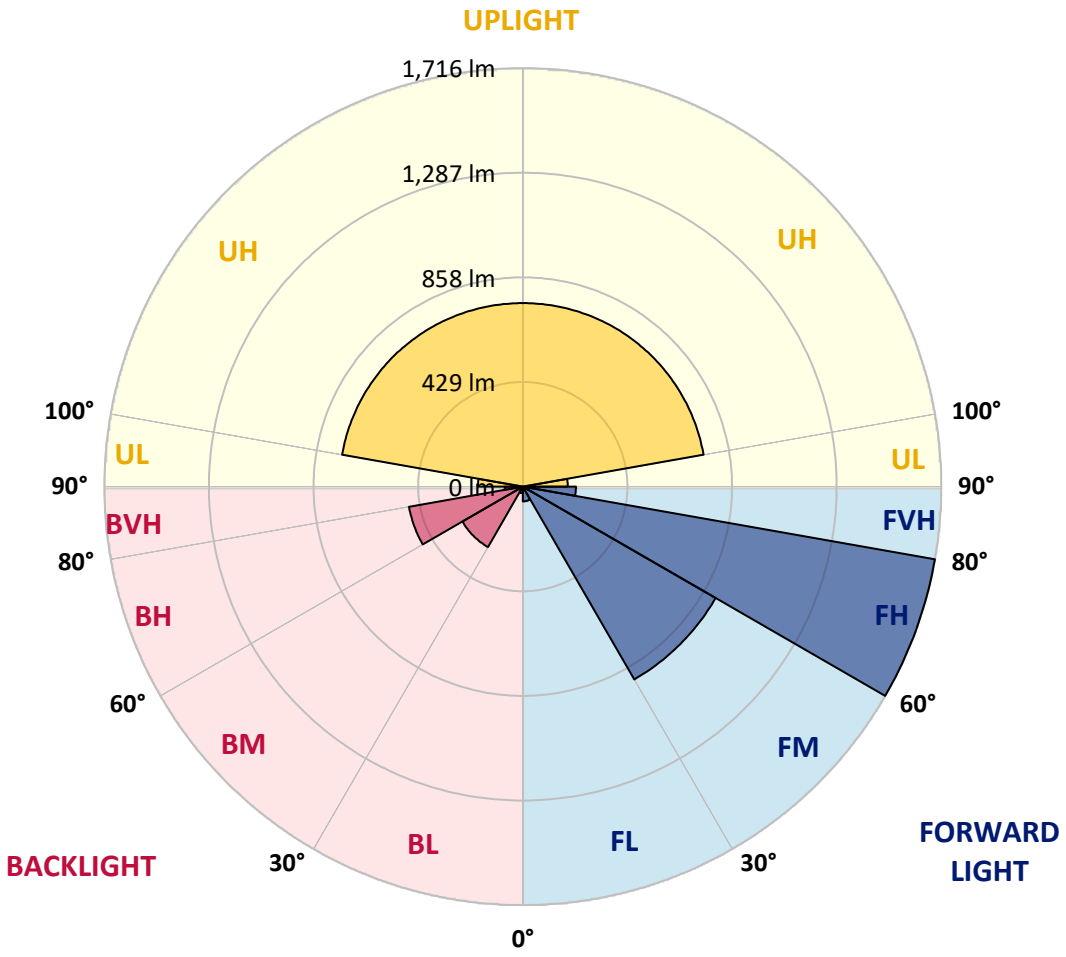
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	60.5	1.3			
FM	(30°-60°)	912.8	19.4			
FH	(60°-80°)	1715.7	36.5			G1/1800
FVH	(80°-90°)	217.8	4.6			G2/225
BL	(0°-30°)	26.4	0.6	B0/110		
BM	(30°-60°)	285.9	6.1	B1/1000		
BH	(60°-80°)	473.7	10.1	B1/500		G1/500
BVH	(80°-90°)	74.2	1.6			G1/100
UL	(90°-100°)	184.2	3.9		U3/500	
UH	(100°-180°)	752.4	16.0		U4/1000	

BUG Rating: B1-U4-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
0°	30.2	30.2	*30.2*	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2.5°	32.8	32.8	*32.8*	33.8	34.5	34.8	33.8	33.2	32.8	32.5	31.5
5°	47.1	47.5	*47.5*	48.4	47.8	48.4	47.1	46.2	44.5	42.6	41.0
7.5°	66.7	66.7	*66.3*	66.7	66.3	65.0	65.0	66.0	63.4	59.5	55.9
10°	90.4	91.0	*90.7*	89.4	87.5	85.8	85.8	87.1	83.2	76.4	71.2
12.5°	114.5	115.8	*114.5*	114.8	111.5	110.2	107.6	107.0	101.8	95.3	86.2
15°	132.3	133.3	*133.6*	134.6	134.3	130.1	125.5	120.6	116.4	110.6	101.1
17.5°	146.6	147.0	*147.6*	147.3	145.3	141.1	135.9	130.7	123.9	117.7	108.9
20°	160.6	161.9	*161.6*	161.3	160.3	157.1	150.9	143.4	137.5	128.4	119.3
22.5°	174.9	174.0	*174.6*	174.3	174.3	171.0	164.5	155.8	147.9	138.8	130.7
25°	191.5	191.2	*191.5*	190.5	189.2	187.6	179.5	169.4	160.6	151.2	139.8
27.5°	209.1	209.4	*209.7*	208.1	206.5	203.9	192.2	182.1	172.7	161.0	145.0
30°	228.6	227.6	*227.9*	225.7	224.7	216.6	205.2	193.1	182.7	167.1	151.5
32.5°	246.5	244.8	*244.5*	242.6	240.9	229.2	217.5	205.8	193.5	177.5	163.9
35°	271.5	274.8	*273.5*	273.5	277.7	259.8	246.1	234.8	221.4	204.8	190.5
37.5°	373.6	373.0	*369.1*	363.9	349.2	336.5	330.4	312.5	291.0	272.8	250.0
40°	423.0	421.1	*416.9*	406.4	396.0	381.1	371.7	360.6	349.5	317.4	280.9
42.5°	434.7	433.1	*434.1*	446.4	460.1	449.0	412.3	372.3	352.8	331.0	312.8
45°	498.8	504.3	*505.9*	505.6	495.9	484.2	468.2	444.2	410.3	379.5	341.4
47.5°	580.1	579.4	*583.3*	578.1	586.3	565.8	545.3	520.3	485.1	443.2	397.7
50°	792.7	785.9	*786.9*	788.8	776.5	761.5	743.0	729.0	660.4	600.9	531.6
52.5°	1130.6	1131.6	*1124.4*	1124.1	1087.3	1058.4	1025.9	1027.2	926.4	846.4	746.2
55°	1589.0	1589.7	*1564.0*	1585.1	1543.9	1539.9	1468.1	1375.4	1239.8	1130.9	1030.1
57.5°	2160.0	2179.5	*2177.3*	2139.5	2076.5	2042.3	1926.2	1829.0	1637.2	1466.1	1329.2
60°	2646.5	2637.4	*2622.4*	2593.8	2404.9	2325.5	2240.0	2157.1	1998.1	1761.4	1556.5
62.5°	2785.3	2778.5	*2775.9*	2761.6	2612.3	2481.6	2374.0	2238.4	2132.1	1899.9	1691.1
64°	*2787.6*	*2793.8*	*2813.9*	*2779.8*	*2647.1*	*2507.6*	*2396.1*	*2257.6*	*2154.2*	*1925.3*	*1707.4*
65°	2782.4	2781.1	*2806.4*	2763.2	2645.5	2506.3	2382.4	2249.8	2147.3	1918.4	1703.2
67.5°	2642.9	2637.4	*2669.9*	2614.3	2511.5	2386.0	2264.4	2122.0	2031.9	1812.1	1603.7
70°	2168.8	2168.5	*2219.2*	2172.7	2142.1	2009.2	1884.9	1754.2	1658.0	1477.5	1303.2
72.5°	1661.9	1659.0	*1692.8*	1658.0	1642.4	1579.6	1463.5	1348.1	1256.4	1121.1	980.0
75°	1324.4	1325.7	*1307.8*	1273.6	1261.0	1233.0	1181.3	1112.4	1035.6	912.7	782.7
77.5°	991.7	985.2	*993.0*	945.2	941.7	933.2	932.9	888.7	823.6	745.3	642.2
80°	661.0	664.9	*678.9*	666.2	669.8	666.9	685.1	638.3	588.9	542.7	487.7
82.5°	427.6	438.0	*441.9*	459.4	474.7	481.6	456.5	409.4	378.5	361.6	337.2
85°	410.3	414.6	*412.3*	401.9	396.7	388.2	387.9	373.0	357.0	324.5	284.8
87.5°	378.5	383.4	*381.4*	372.3	360.6	359.6	357.3	346.9	339.5	313.8	278.7
90°	322.9	323.2	*324.8*	323.2	320.9	319.3	306.3	300.1	295.6	273.5	249.7
92.5°	280.0	283.9	*282.9*	280.0	272.5	277.0	263.1	251.3	248.7	233.5	215.3
95°	257.2	259.8	*260.5*	255.2	248.1	246.5	235.7	226.6	222.4	212.3	190.2
97.5°	213.3	211.7	*210.4*	209.1	204.2	199.0	192.2	180.8	177.2	166.2	153.8
100°	182.1	182.7	*182.1*	181.1	176.9	174.3	169.4	160.3	156.4	149.2	140.8
102.5°	173.6	174.0	*174.0*	174.3	167.1	161.3	156.1	149.6	146.0	139.8	131.7
105°	165.8	165.8	*166.5*	166.8	159.7	151.2	143.7	140.1	138.5	131.4	122.9
107.5°	156.1	155.8	*156.7*	152.5	145.3	141.8	134.0	129.7	129.1	123.6	114.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	170.4	166.8	*166.2*	155.8	146.0	137.9	134.0	130.1	127.8	120.3	114.8
112.5°	223.1	218.2	*216.9*	207.1	173.0	170.1	166.5	165.2	163.9	153.8	144.4
115°	245.8	245.8	*249.7*	245.8	222.1	195.1	191.2	185.3	187.6	175.3	161.6
117.5°	196.7	210.4	*214.3*	202.6	203.5	186.3	159.7	150.5	146.0	142.4	148.6
120°	220.8	229.9	*226.0*	204.5	194.8	184.7	186.0	182.7	166.5	144.0	146.3
122.5°	329.1	337.5	*340.4*	342.1	346.6	339.8	324.5	303.0	286.8	259.8	244.5
125°	460.7	454.6	*453.9*	456.8	460.4	451.6	445.1	440.9	430.8	395.4	345.6
127.5°	423.0	420.1	*425.0*	424.3	433.1	418.2	415.2	417.5	413.6	393.8	364.8
130°	303.4	308.6	*312.2*	323.9	341.1	327.8	315.4	296.9	295.6	305.3	290.0
132.5°	254.6	256.9	*263.4*	278.7	291.7	286.1	267.9	250.0	248.7	256.9	255.6
135°	225.0	226.6	*227.6*	228.3	226.0	231.2	227.3	220.8	216.6	216.9	213.0
137.5°	200.9	201.6	*200.9*	195.7	189.6	188.6	198.3	198.7	194.8	187.9	182.7
140°	174.3	174.3	*171.7*	168.1	167.1	167.5	173.0	174.0	169.4	163.9	156.1
142.5°	136.2	134.6	*134.9*	140.8	151.2	148.9	141.8	132.7	131.4	137.9	135.3
145°	147.3	147.0	*146.0*	146.3	143.7	139.5	136.9	134.0	128.8	124.5	120.3
147.5°	148.6	147.3	*147.9*	146.6	145.3	143.4	142.4	143.7	142.4	139.5	134.0
150°	117.4	118.0	*118.7*	117.1	118.4	119.0	118.4	117.4	119.0	115.4	113.2
152.5°	91.7	91.4	*91.0*	91.7	91.4	92.7	93.0	92.7	92.0	91.7	88.1
155°	86.2	87.1	*86.5*	84.5	85.8	86.8	88.1	89.1	88.1	86.5	83.2
157.5°	79.3	79.3	*79.3*	79.3	79.7	80.0	81.6	82.3	82.3	81.3	79.0
160°	73.8	74.1	*74.1*	74.1	74.8	75.4	76.4	77.1	77.7	77.1	75.8
162.5°	70.6	70.2	*70.2*	70.6	70.6	71.5	72.5	73.8	74.1	73.5	73.5
165°	68.6	68.6	*68.6*	68.9	69.6	70.2	71.5	71.9	72.2	72.8	72.8
167.5°	70.9	70.9	*70.9*	71.2	71.9	72.8	73.5	74.1	75.4	75.8	75.8
170°	74.5	74.5	*74.5*	74.8	75.1	75.4	75.8	76.4	76.7	77.4	77.1
172.5°	78.0	77.7	*78.0*	78.0	78.0	78.0	78.0	78.4	78.7	78.7	78.7
175°	81.9	81.9	*82.3*	81.9	81.3	81.3	81.3	81.6	81.6	81.6	81.3
177.5°	85.8	85.8	*85.5*	85.8	85.5	85.2	84.9	84.5	83.9	83.9	83.2
180°	83.6	83.6	*83.6*	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2.5°	30.9	29.6	28.0	26.0	24.1	22.8	21.5	19.8	18.9	18.5	18.5
5°	39.0	38.0	36.4	33.8	32.2	29.3	26.7	25.0	23.4	21.8	20.5
7.5°	54.6	54.3	55.3	57.2	54.6	47.8	40.6	36.7	37.1	39.0	40.0
10°	68.6	66.7	67.0	71.5	67.3	54.3	44.5	41.0	42.9	46.8	47.5
12.5°	83.2	80.3	78.0	77.1	67.6	53.0	44.2	40.0	41.0	44.2	44.2
15°	96.6	93.0	87.8	81.0	69.9	56.9	46.2	40.0	40.0	39.7	39.0
17.5°	104.1	100.1	90.7	80.0	68.0	56.3	45.2	39.0	35.8	33.2	32.8
20°	115.8	113.8	101.8	86.5	69.9	55.0	43.6	37.4	33.8	31.9	31.2
22.5°	127.1	121.6	106.0	90.4	71.5	54.6	42.9	37.1	33.8	32.2	31.5
25°	133.3	126.5	110.9	94.9	73.8	55.0	43.6	37.7	34.1	32.5	32.2
27.5°	138.2	131.0	116.4	99.2	76.7	56.3	45.5	38.7	34.8	32.8	32.5
30°	144.7	137.9	122.9	104.4	79.3	59.2	47.8	40.3	35.8	33.8	33.5
32.5°	157.1	148.6	131.0	108.9	82.6	62.1	50.7	42.9	37.4	34.5	34.5
35°	182.7	173.6	150.2	121.3	86.2	64.4	52.7	44.5	38.7	35.4	35.1
37.5°	236.7	225.3	196.7	151.8	94.9	67.6	55.0	45.5	39.3	36.4	35.8
40°	262.7	241.6	209.4	169.7	109.6	72.8	58.5	47.8	40.3	36.7	36.4
42.5°	294.3	276.7	232.5	174.3	121.6	84.9	64.7	51.0	42.3	37.4	37.1
45°	325.2	307.9	268.6	212.0	146.3	103.7	74.8	56.6	45.2	39.0	38.0
47.5°	379.1	350.8	303.7	248.1	180.1	131.4	92.0	64.4	50.1	41.0	39.7
50°	512.8	494.2	422.1	336.9	234.4	171.0	125.2	82.6	55.6	42.3	40.3
52.5°	691.6	656.5	574.6	470.2	340.1	253.9	183.1	122.6	68.3	43.6	41.0
55°	974.8	920.2	825.9	645.1	488.1	385.0	286.5	201.3	104.1	46.5	41.3
57.5°	1277.5	1228.1	1115.6	891.6	661.4	490.3	377.2	284.2	146.0	53.0	44.9
60°	1480.1	1394.0	1265.5	1049.0	799.6	576.5	422.1	298.2	151.5	54.3	46.8
62.5°	1596.2	1507.1	1317.2	1068.5	824.3	595.7	441.6	273.1	121.0	52.7	48.8
64°	*1609.9*	*1524.0*	*1317.9*	*1049.9*	*797.9*	*575.9*	*427.9*	*256.2*	*105.0*	*52.0*	*49.7*
65°	1599.1	1519.8	1301.9	1027.8	762.5	550.2	411.7	239.3	93.3	51.4	50.1
67.5°	1494.8	1425.2	1196.9	932.2	678.0	475.1	337.8	184.0	73.2	50.1	49.4
70°	1210.6	1178.7	983.9	752.1	535.9	378.8	266.3	140.8	62.1	48.8	48.1
72.5°	908.2	867.8	734.2	573.9	417.5	294.6	202.2	108.3	55.0	47.5	46.8
75°	728.0	688.7	582.0	452.0	310.5	220.1	149.6	81.0	51.7	47.1	46.5
77.5°	601.9	570.3	478.6	344.0	220.8	157.7	109.9	66.0	50.7	47.5	46.8
80°	463.0	457.8	373.9	250.4	156.4	117.7	88.8	61.8	51.0	48.8	48.1
82.5°	324.8	311.8	264.0	186.3	135.3	107.6	85.2	62.8	53.7	51.7	51.4
85°	267.6	257.5	226.0	179.2	128.8	104.1	84.2	64.4	56.3	54.6	54.0
87.5°	264.7	253.6	223.7	171.4	122.3	99.2	80.3	62.8	55.9	55.0	55.6
90°	240.3	232.2	204.5	158.0	121.3	100.8	83.9	69.3	62.1	58.9	58.2
92.5°	210.4	205.5	186.0	153.5	125.8	106.7	91.4	76.7	70.2	68.3	67.3
95°	183.7	181.8	165.8	139.5	116.1	100.5	86.5	73.8	68.3	65.7	65.4
97.5°	150.5	148.3	135.9	118.7	101.4	88.4	78.0	68.3	64.4	64.1	63.7
100°	137.5	135.9	127.1	116.1	102.4	92.7	83.6	75.4	72.2	72.2	72.5
102.5°	127.1	126.2	118.4	107.0	96.2	87.1	79.7	72.2	68.3	68.3	66.0
105°	118.7	117.1	109.9	100.8	89.7	81.3	74.1	68.6	64.4	63.1	63.1
107.5°	111.2	109.3	103.4	94.6	86.5	78.4	71.9	66.7	63.7	62.8	62.8

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

Scaled Data Report

REPORT NUMBER: P1046225
CATALOG NUMBER: FFX-CLB-30-750-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	111.5	109.9	103.1	93.6	86.2	80.0	74.8	69.9	67.3	65.4	65.4
112.5°	137.2	130.4	118.4	104.4	95.9	87.8	79.7	72.8	69.6	68.9	68.3
115°	155.4	148.6	133.6	115.4	100.1	88.8	80.6	75.4	72.5	74.5	75.4
117.5°	156.1	143.7	115.1	106.3	95.3	85.8	80.3	77.1	75.1	77.1	77.1
120°	159.0	134.0	118.7	115.1	102.1	88.8	82.6	81.9	80.0	76.1	76.1
122.5°	236.4	213.6	189.2	158.4	131.4	118.7	107.6	88.4	79.3	75.1	74.8
125°	325.8	302.1	264.0	222.7	183.7	143.1	106.3	90.7	81.3	76.1	75.1
127.5°	346.3	327.8	277.7	228.3	173.0	133.3	106.7	93.3	83.9	78.4	77.4
130°	279.3	264.7	230.9	190.5	152.2	123.2	104.1	90.7	81.6	76.1	74.8
132.5°	248.4	234.8	201.6	164.9	134.9	112.5	95.3	82.3	73.2	69.3	69.3
135°	207.8	198.3	168.8	147.0	125.5	106.7	89.7	77.7	70.2	68.0	68.0
137.5°	178.2	170.7	149.6	132.3	115.8	99.5	84.9	75.1	69.9	67.6	67.3
140°	152.5	147.6	135.3	118.4	102.4	86.5	75.1	69.6	67.3	66.3	66.0
142.5°	132.7	129.1	118.0	100.5	84.9	75.1	70.9	69.3	67.0	64.7	64.4
145°	116.1	113.2	100.5	90.4	82.9	79.0	75.8	70.9	65.4	62.4	62.1
147.5°	130.4	125.8	114.8	103.1	91.0	81.9	74.8	68.3	63.1	61.1	61.1
150°	112.2	108.9	102.1	93.0	82.9	74.5	68.3	64.1	62.1	61.8	61.8
152.5°	87.1	85.5	83.6	79.0	72.5	67.0	63.1	61.1	61.8	63.1	63.4
155°	81.9	81.3	79.3	75.1	70.9	65.7	62.4	61.5	62.4	63.7	64.1
157.5°	78.0	77.7	76.1	72.2	68.3	65.0	62.8	62.1	63.1	64.1	64.1
160°	74.8	74.5	72.2	69.3	66.3	64.1	62.4	62.4	63.4	64.1	64.1
162.5°	72.8	72.5	70.9	68.6	66.7	65.4	65.0	65.0	65.4	65.7	65.7
165°	72.8	72.5	70.9	68.9	67.6	67.6	68.3	68.6	67.6	67.0	67.3
167.5°	75.8	75.1	73.2	71.5	71.2	71.5	72.5	72.5	71.9	70.9	70.6
170°	76.7	76.4	75.8	75.1	75.1	75.1	75.4	75.8	75.8	76.1	76.1
172.5°	78.7	78.7	78.4	78.4	78.7	78.4	78.4	79.0	79.7	80.0	80.3
175°	81.3	81.0	81.3	81.3	81.6	81.3	81.0	81.6	82.6	83.2	83.2
177.5°	83.2	83.2	82.9	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.6
180°	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6

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: SP1-2501-332-10

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

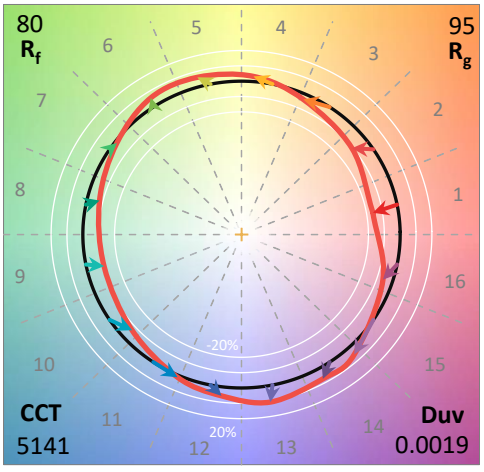
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-10
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-20-750-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):	5141	CRI (Ra):	78.0		
CIE u':	0.2087	R1:	75.1	R9:	-20.0
CIE v':	0.4845	R2:	83.7	R10:	62.4
Duv:	0.0019	R3:	90.5	R11:	77.7
CIE x:	0.3415	R4:	78.3	R12:	58.6
CIE y:	0.3524	R5:	77.1	R13:	76.9
CIE z:	0.3060	R6:	78.0	R14:	95.0
Peak Wavelength (nm):	448	R7:	82.9	R15:	67.8
Dominant Wavelength (nm):	568	R8:	58.7		
Purity:	8.219556				
Rf:	79.6				
Rg:	95.3				



Test Conditions

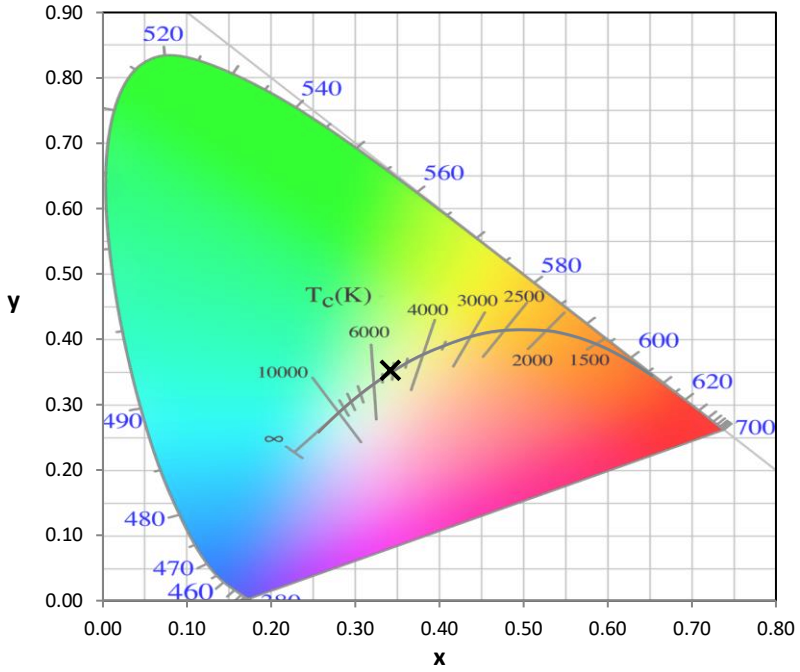
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-10

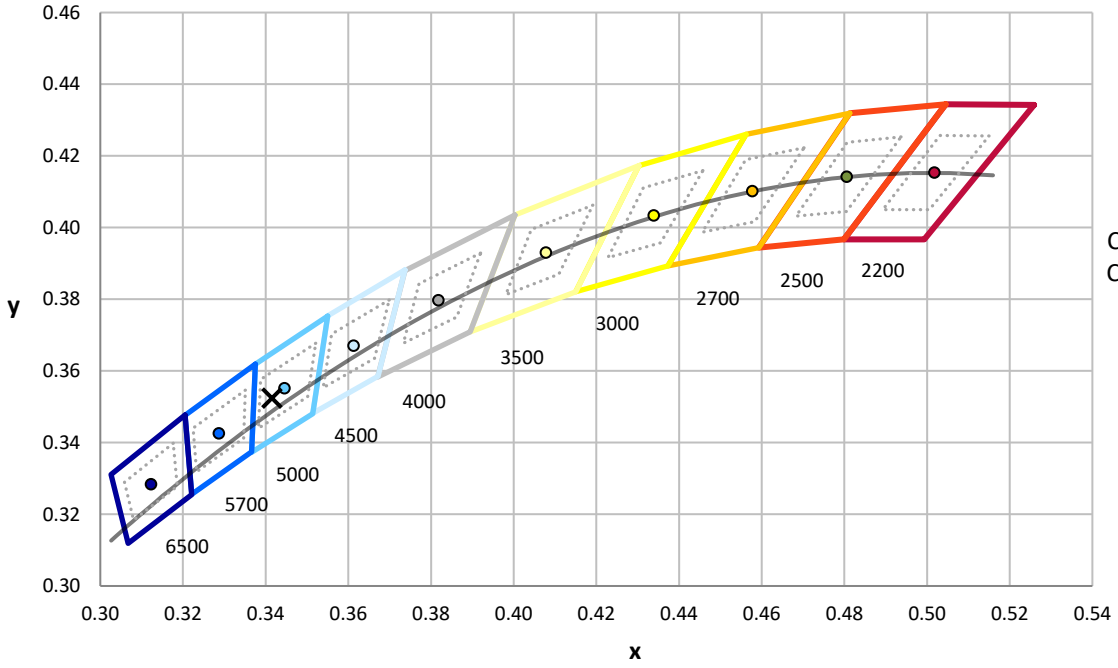
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-10

CIE 1931 Chromaticity Diagram



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

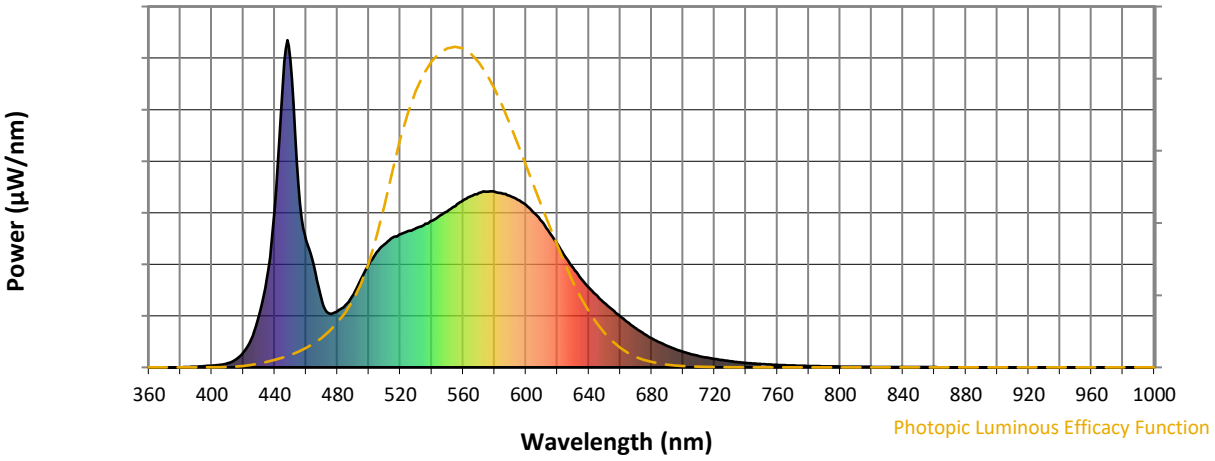


CCT = 5141K
CIE x = 0.3415
CIE y = 0.3524
Duv = 0.0019

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-10

Photopic Flux vs. Wavelength

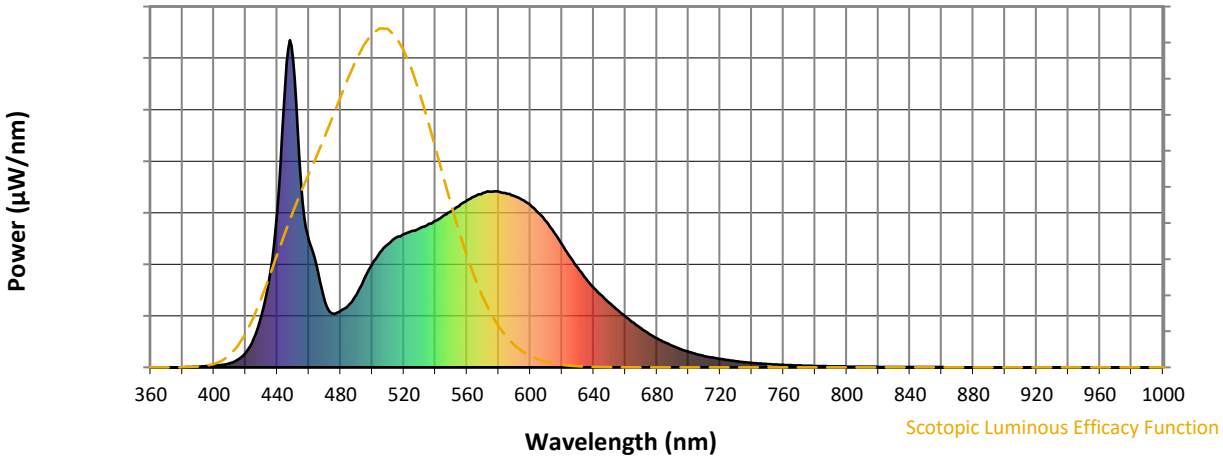


Photopic Lumens: NR

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Scotopic Flux vs. Wavelength

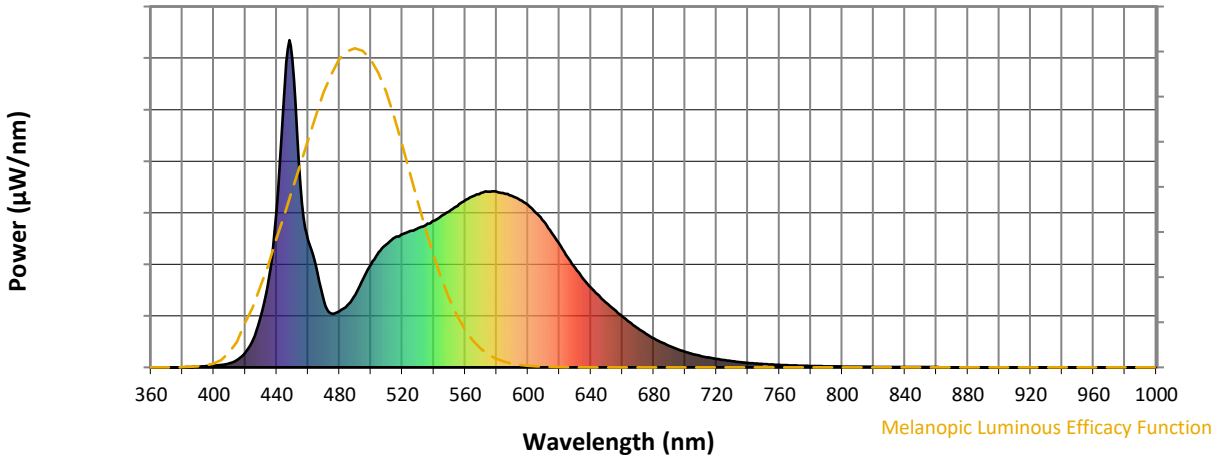


Scotopic Lumens: NR **S/P: 1.92**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.05**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

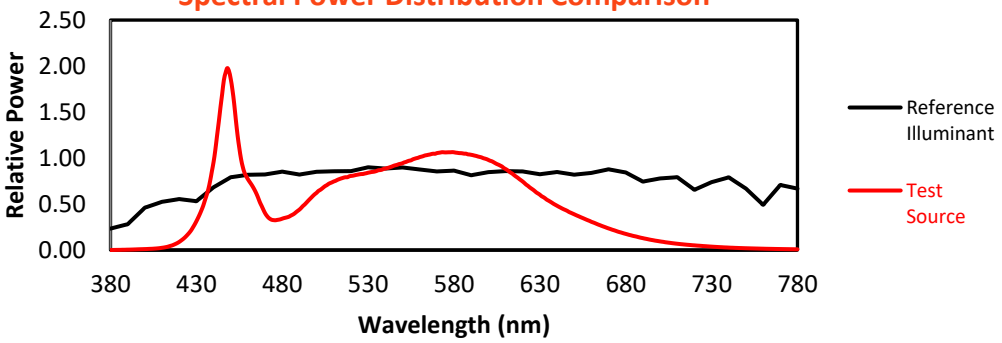
REPORT NUMBER: SP1-2501-332-10

TM-30-18

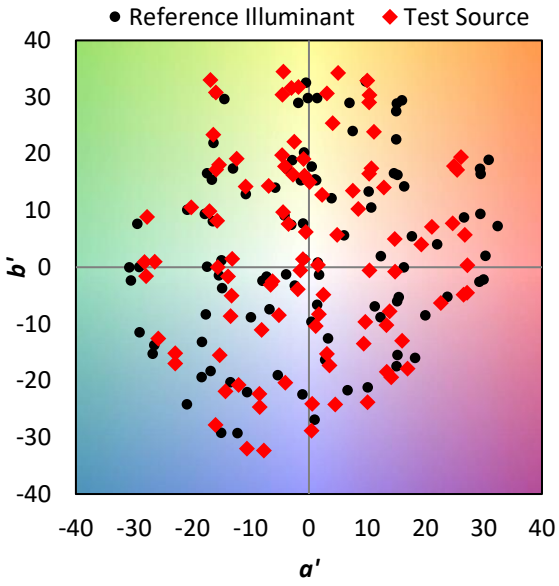
Summary

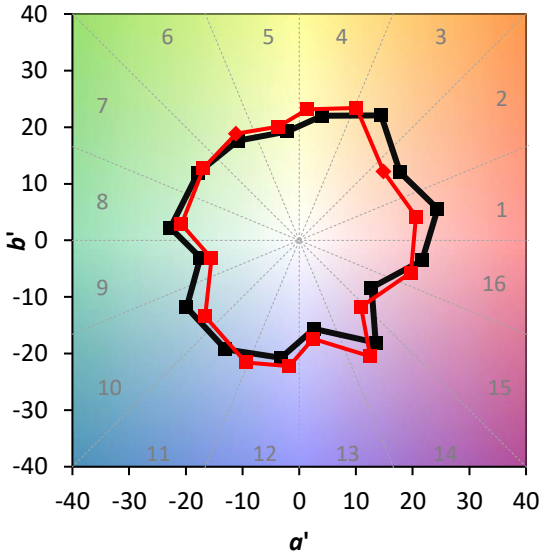
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R_g = 95.3
CIE R_a = 78.0
R_9 = -20.0

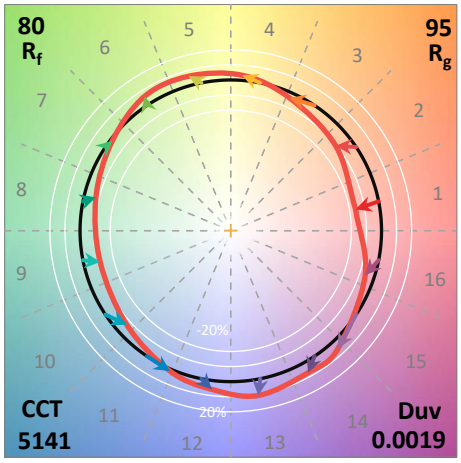
Spectral Power Distribution Comparison

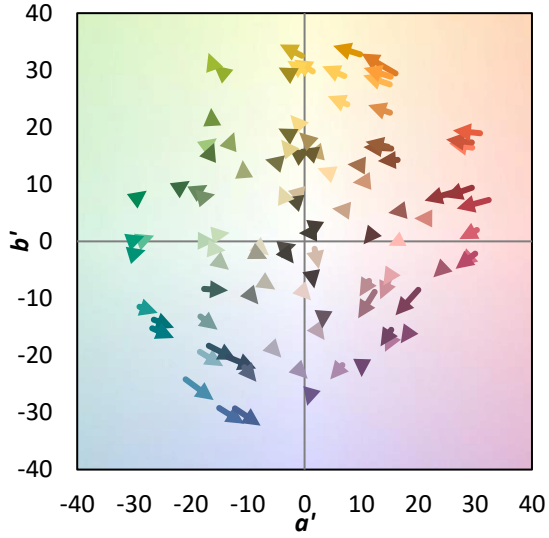


Color Vector Graphics







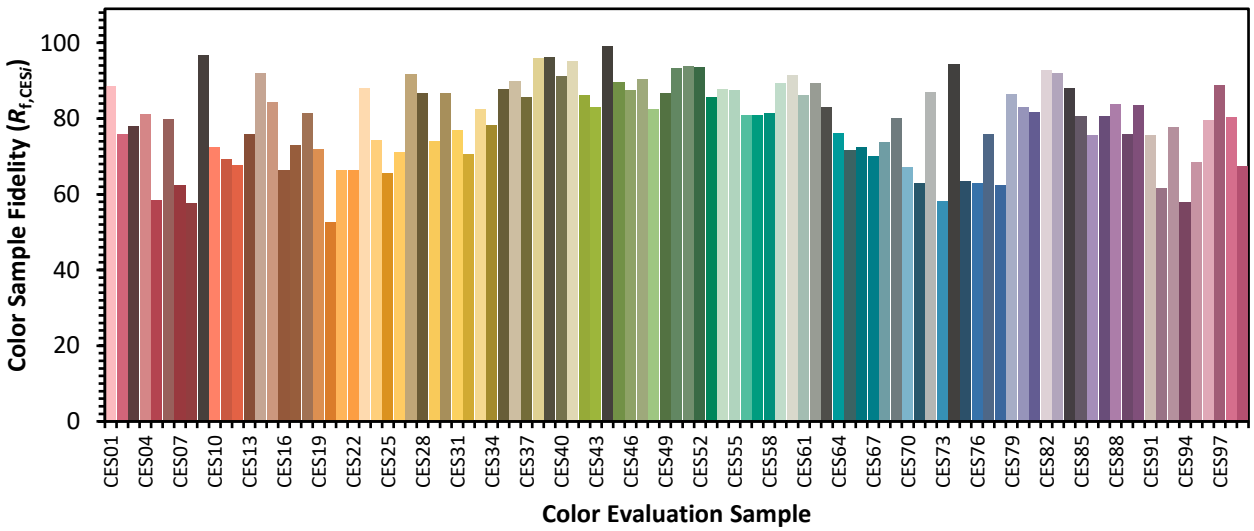


REPORT NUMBER: SP1-2501-332-10

TM-30-18

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

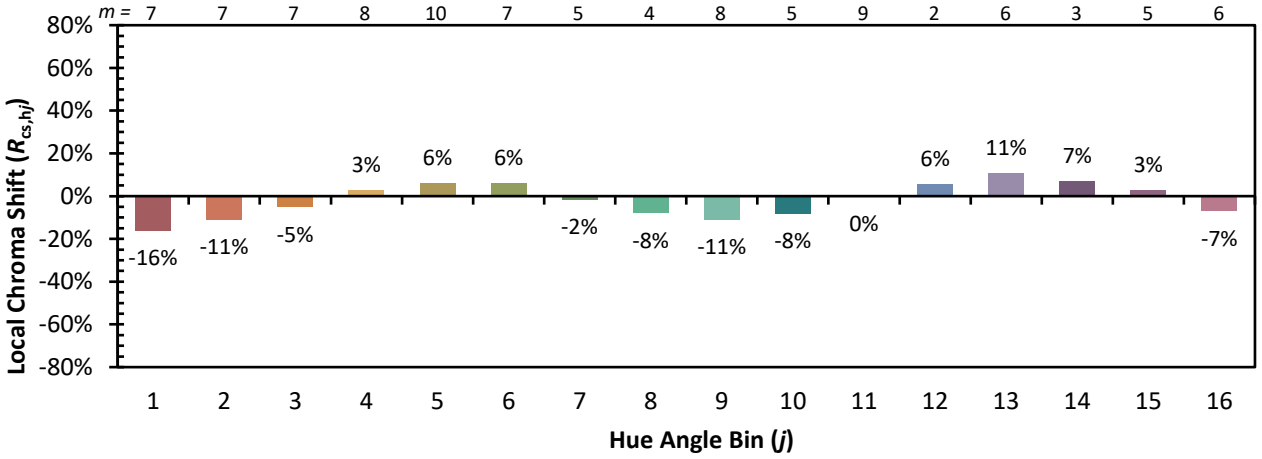
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CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 76
CES03 = 30	CES28 = 87	CES53 = 86	CES78 = 63
CES04 = 69	CES29 = 74	CES54 = 88	CES79 = 86
CES05 = 46	CES30 = 87	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 77	CES56 = 81	CES81 = 82
CES07 = 39	CES32 = 70	CES57 = 81	CES82 = 93
CES08 = 38	CES33 = 83	CES58 = 82	CES83 = 92
CES09 = 29	CES34 = 78	CES59 = 89	CES84 = 88
CES10 = 73	CES35 = 88	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 90	CES61 = 86	CES86 = 76
CES12 = 61	CES37 = 86	CES62 = 89	CES87 = 81
CES13 = 42	CES38 = 96	CES63 = 83	CES88 = 84
CES14 = 74	CES39 = 96	CES64 = 76	CES89 = 76
CES15 = 70	CES40 = 91	CES65 = 72	CES90 = 83
CES16 = 46	CES41 = 95	CES66 = 72	CES91 = 76
CES17 = 49	CES42 = 86	CES67 = 70	CES92 = 62
CES18 = 55	CES43 = 83	CES68 = 74	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 58
CES20 = 64	CES45 = 90	CES70 = 67	CES95 = 68
CES21 = 85	CES46 = 88	CES71 = 63	CES96 = 79
CES22 = 77	CES47 = 90	CES72 = 87	CES97 = 89
CES23 = 91	CES48 = 83	CES73 = 58	CES98 = 80
CES24 = 90	CES49 = 87	CES74 = 94	CES99 = 67
CES25 = 71	CES50 = 93	CES75 = 64	

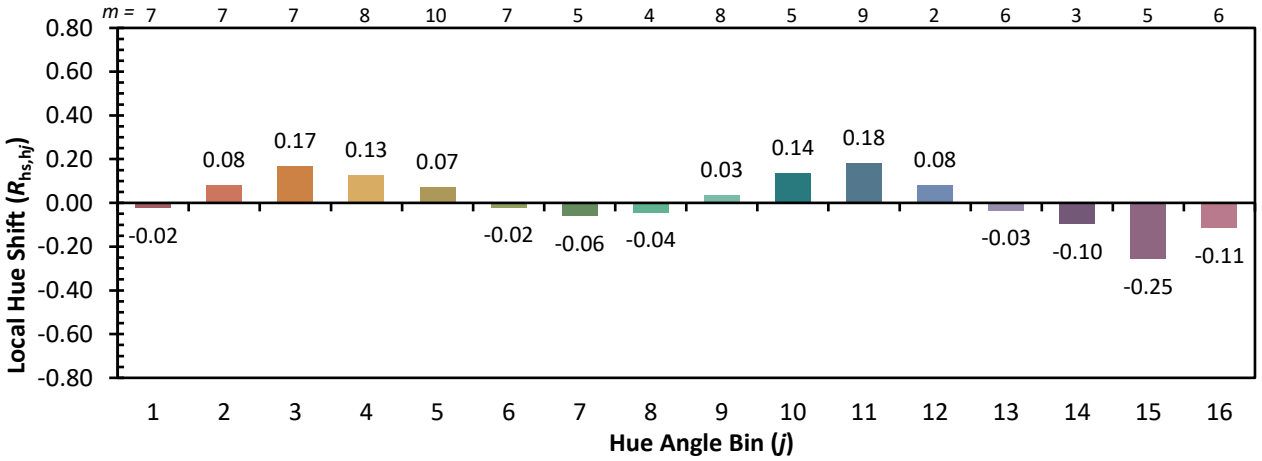


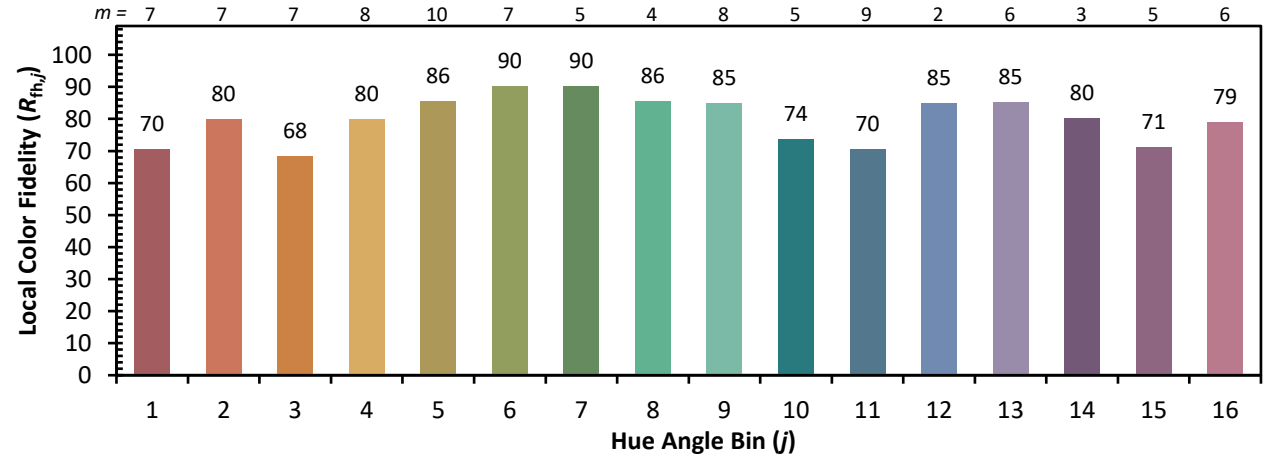
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Color Rendition by Hue-Angle Bin



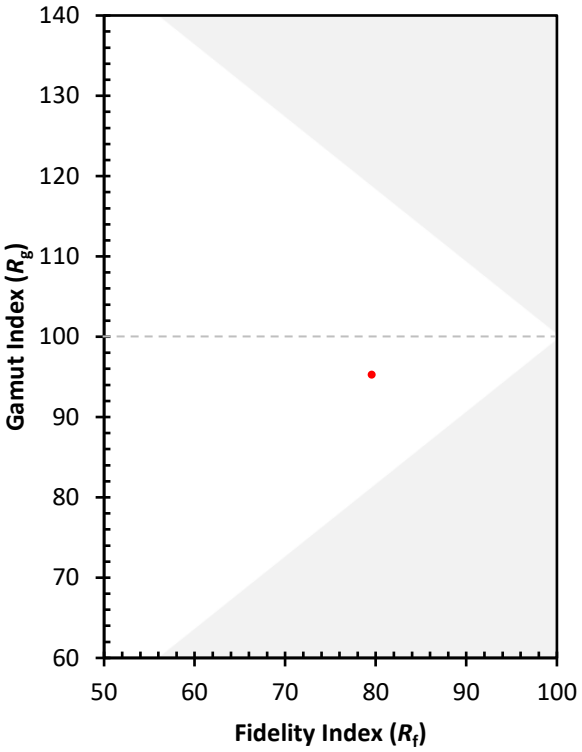


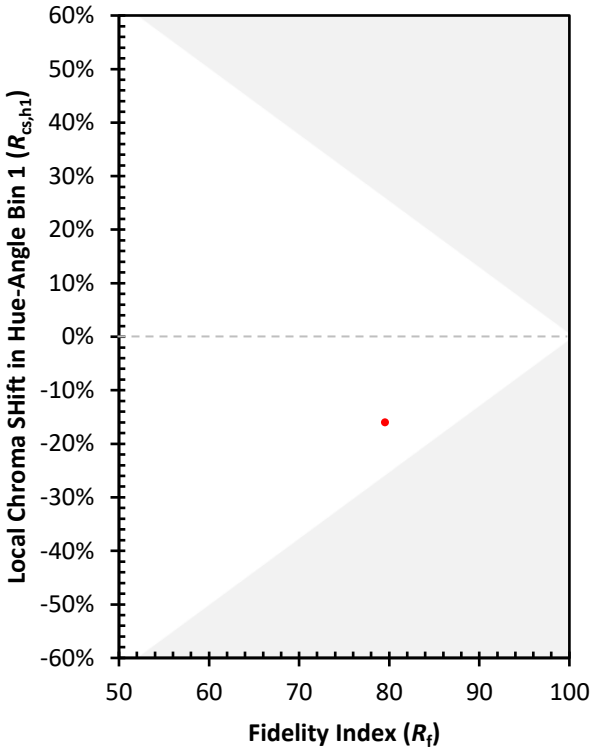


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Measure Comparisons





(END OF REPORT)