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: P981408

Luminaire Tested: **FFX-CLB-80-722-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981408
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-722-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10421.7 lumens
Efficiency:	N/A
Efficacy:	127.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B3 - U5 - G3

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

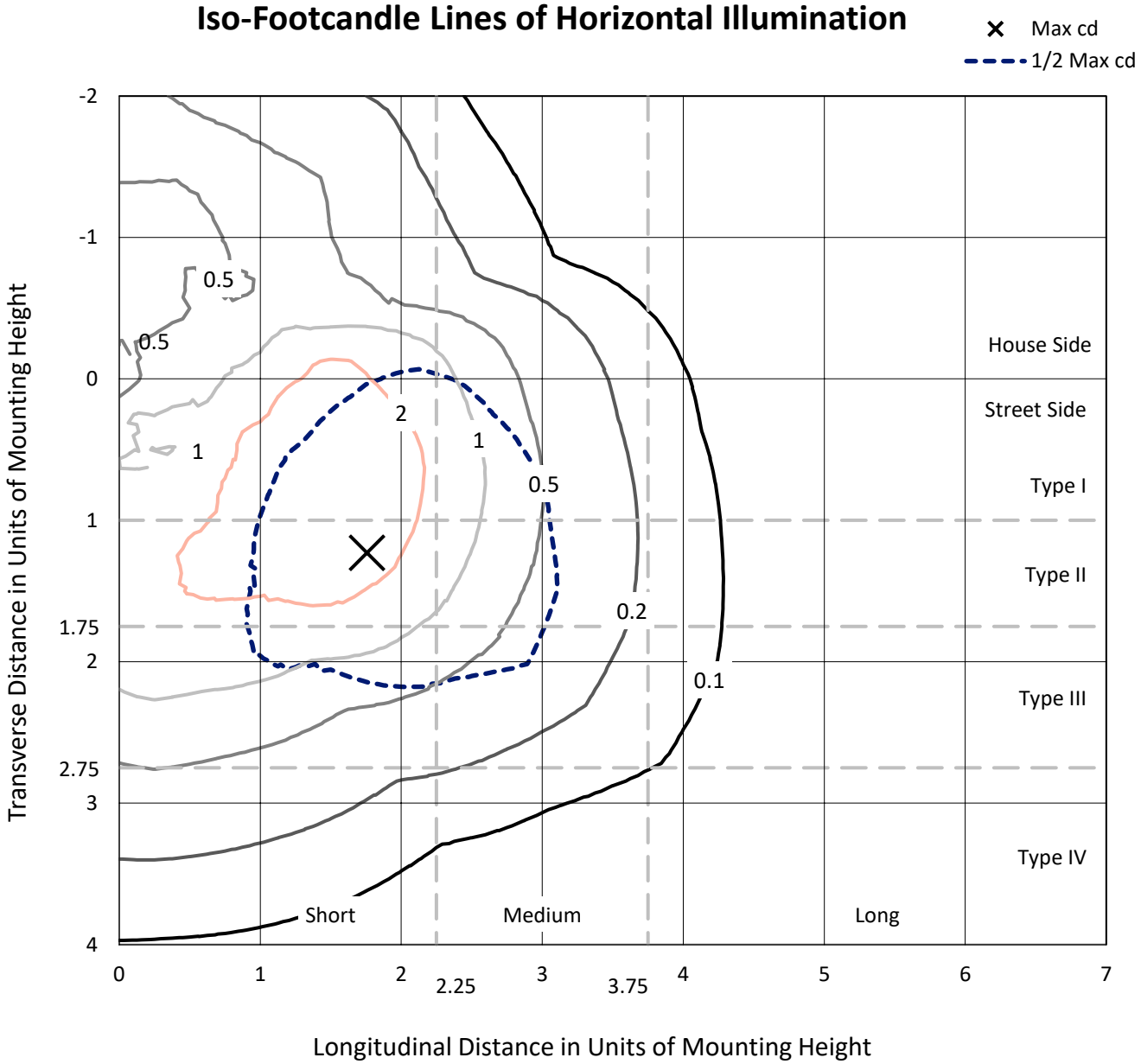


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Iso-Footcandle Lines of Horizontal Illumination



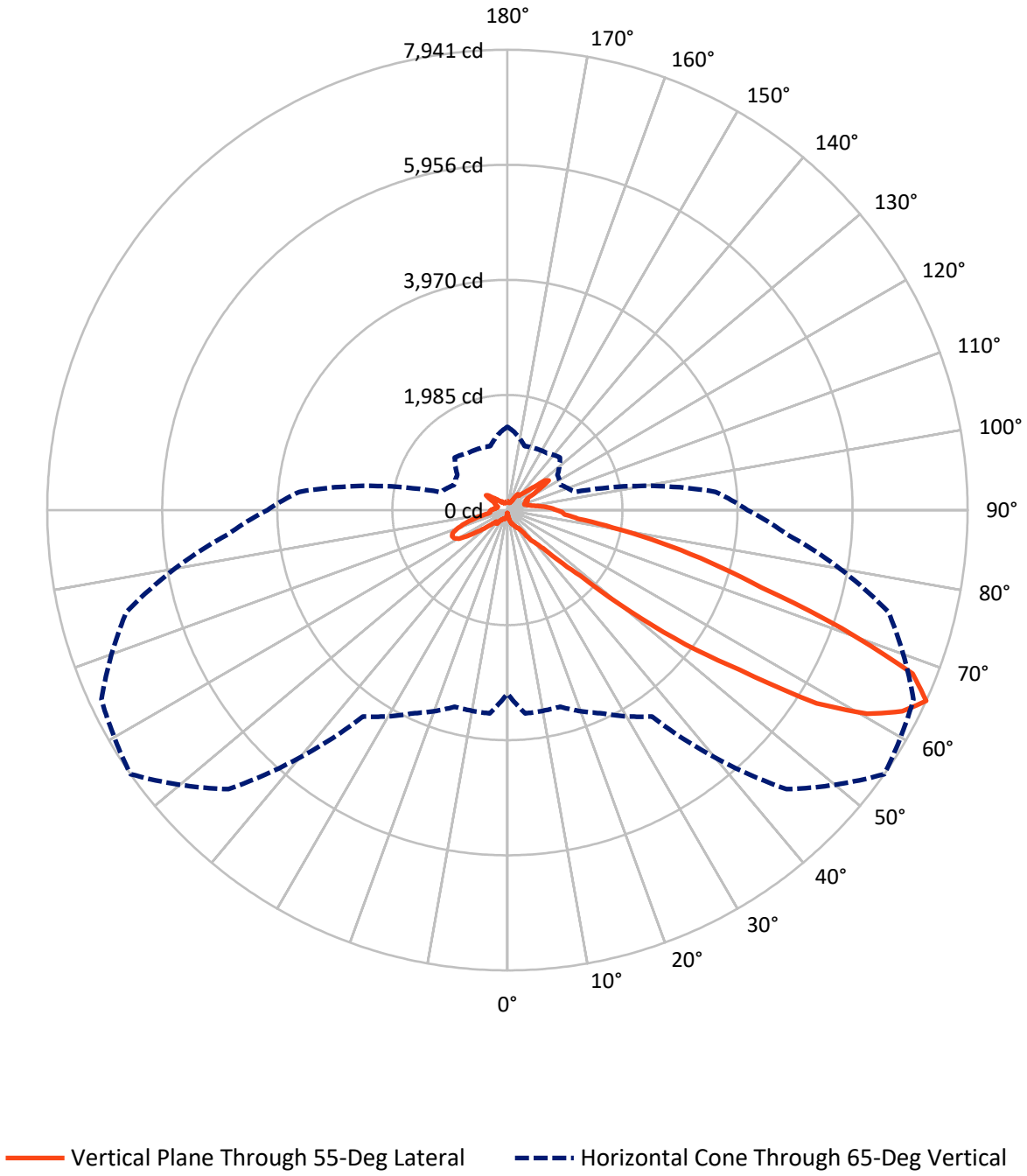
Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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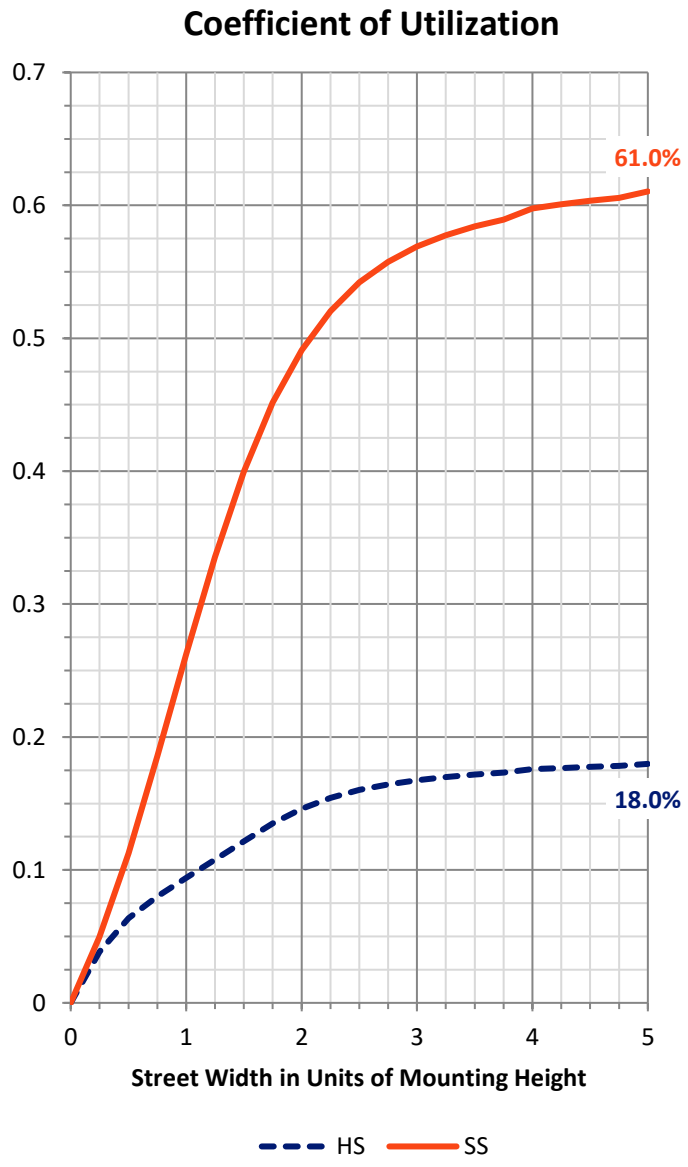
REPORT NUMBER: P981408
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1953.5	699.8	2653.3
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	6567.8	1200.6	7768.4
	% Fixture	63.0	11.5	74.5
Total	Lumens	8521.3	1900.4	10421.7
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.1
10°-20°	53.0	0.5
20°-30°	108.8	1.0
30°-40°	227.9	2.2
40°-50°	601.7	5.8
50°-60°	2002.1	19.2
60°-70°	3229.6	31.0
70°-80°	1694.1	16.3
80°-90°	594.5	5.7
90°-100°	383.8	3.7
100°-110°	248.9	2.4
110°-120°	273.0	2.6
120°-130°	459.1	4.4
130°-140°	269.0	2.6
140°-150°	143.9	1.4
150°-160°	71.5	0.7
160°-170°	37.6	0.4
170°-180°	13.6	0.1
0°-90°	8521.3	81.8
0°-180°	10421.7	100.0



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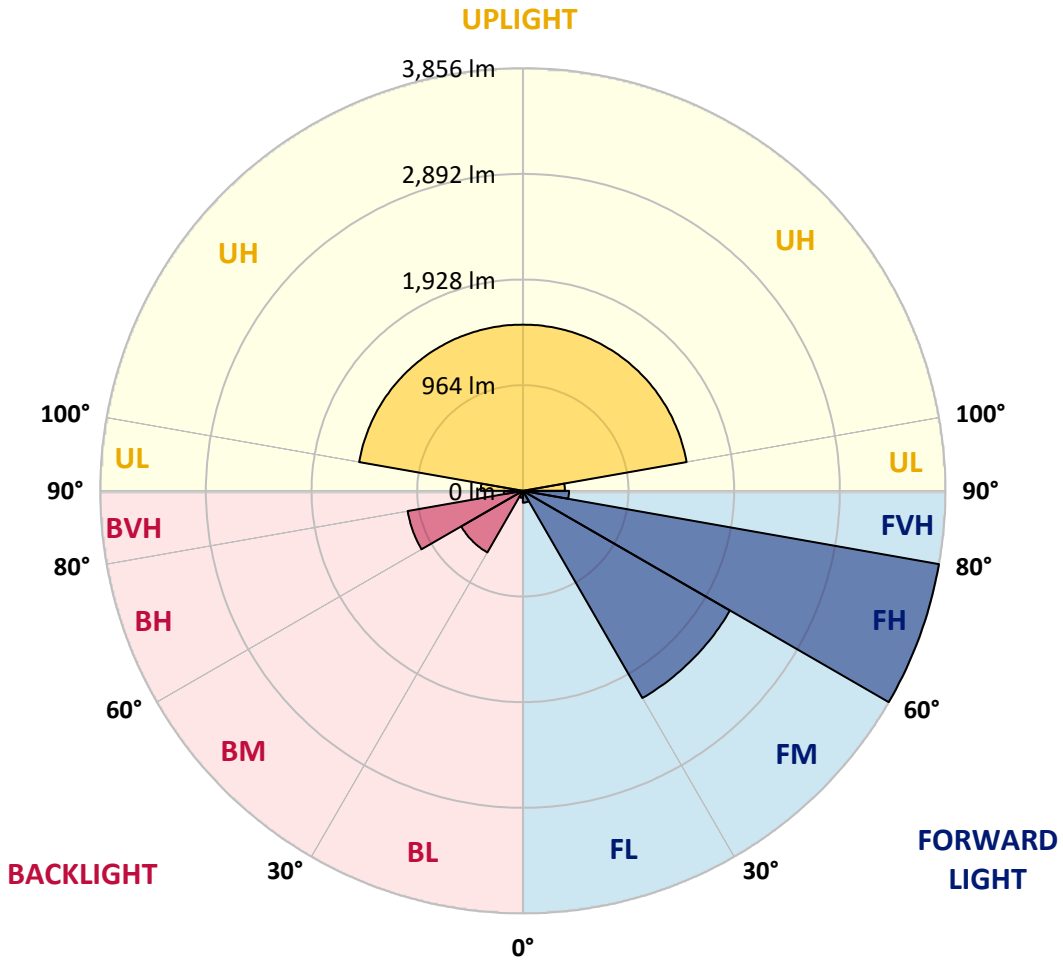
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	108.1	1.0			
FM	(30°-60°)	2182.6	20.9			
FH	(60°-80°)	3856.2	37.0			G2/5000
FVH	(80°-90°)	420.9	4.0			G3/500
BL	(0°-30°)	63.3	0.6	B0/110		
BM	(30°-60°)	649.1	6.2	B1/1000		
BH	(60°-80°)	1067.4	10.2	B3/2500		G3/2500
BVH	(80°-90°)	173.6	1.7			G2/225
UL	(90°-100°)	383.8	3.7		U3/500	
UH	(100°-180°)	1516.6	14.6		U5	

BUG Rating: B3-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	59.0	60.4	63.8	65.2	65.9	64.5	61.8	64.5	64.5	64.5	63.8
5°	85.8	85.8	85.8	87.8	88.5	89.9	88.5	85.1	82.4	79.6	78.9
7.5°	120.1	121.5	122.2	122.2	122.2	124.9	127.6	121.5	116.0	110.5	109.1
10°	172.3	168.8	165.4	166.8	164.0	158.5	161.3	156.5	144.1	140.0	140.0
12.5°	220.3	219.6	221.0	213.4	209.3	197.6	199.0	196.3	187.3	172.9	168.1
15°	247.1	249.1	248.4	251.2	245.0	228.5	224.4	225.8	217.5	203.8	197.0
17.5°	260.8	260.8	261.5	264.9	264.9	249.1	242.3	238.8	232.0	220.3	211.4
20°	267.6	267.6	267.0	271.8	281.4	272.4	262.8	257.3	251.2	232.6	218.9
22.5°	286.9	285.5	283.4	284.8	299.2	296.5	288.9	280.7	271.8	243.6	226.5
25°	306.8	307.4	301.3	303.3	317.7	321.9	315.7	307.4	297.2	254.6	237.4
27.5°	329.4	328.7	320.5	323.2	330.8	345.9	338.3	334.2	317.1	263.5	247.1
30°	350.0	346.6	338.3	345.2	345.2	369.2	362.3	364.4	343.1	280.0	262.2
32.5°	365.1	364.4	359.6	368.5	363.7	394.6	392.5	409.7	378.1	312.2	295.8
35°	399.4	400.1	420.0	437.1	428.9	474.2	483.8	505.8	467.3	392.5	374.7
37.5°	646.5	638.2	610.8	579.2	583.3	667.7	656.1	667.7	608.7	501.0	472.8
40°	680.8	682.8	651.3	627.2	623.8	731.6	749.4	844.1	720.6	600.5	544.9
42.5°	662.9	669.8	756.3	787.1	759.7	896.9	902.4	1085.0	840.7	740.5	667.0
45°	840.7	842.0	859.9	879.8	883.2	1225.0	1244.2	1446.0	1069.2	932.6	808.4
47.5°	956.7	967.6	992.3	1128.2	1200.3	1566.1	1694.4	2014.9	1424.0	1271.6	1026.7
50°	1352.6	1382.8	1505.0	1621.6	1734.2	2322.3	2754.0	3136.2	2139.1	1863.9	1491.9
52.5°	1648.4	1756.8	1893.4	2174.8	2293.5	3174.0	3852.0	4088.8	2996.2	2526.1	2032.7
55°	1905.1	2104.1	2251.6	2712.1	2937.9	4138.2	4861.5	4895.8	4020.8	3083.4	2606.4
57.5°	2433.5	2723.8	2819.9	3213.8	3528.1	5286.3	6291.0	6122.2	5066.7	3718.2	3218.6
60°	2931.0	3265.2	3229.6	3592.6	4008.5	6273.8	7137.1	7051.4	6046.7	4319.3	3753.9
62.5°	3093.0	3432.0	3401.8	3783.4	4342.7	6734.3	7645.0	7502.9	6625.2	4695.4	4022.9
65°	3163.7	3521.2	3513.0	3869.8	4346.8	6807.7	7940.8	7729.4	6807.0	4847.1	4140.9
67.5°	3103.3	3443.7	3440.2	3769.0	4029.7	6275.2	7540.7	7229.1	6358.9	4490.2	3886.3
70°	2677.8	2914.6	2900.2	3101.9	3238.5	4987.8	6119.4	5884.0	5131.9	3690.0	3219.3
72.5°	2183.7	2253.7	2283.9	2399.2	2435.5	3650.2	4589.0	4401.7	3826.6	2763.6	2441.0
75°	1743.8	1747.2	1778.8	1819.3	1806.9	2685.3	3614.6	3498.6	2821.9	2061.5	1851.5
77.5°	1154.3	1145.4	1284.0	1300.5	1221.5	1710.9	2699.1	2617.4	2019.7	1502.2	1354.0
80°	662.2	665.0	759.7	819.4	787.8	1087.0	1849.5	1831.6	1386.9	1051.4	929.9
82.5°	494.1	517.4	568.2	599.8	587.4	817.3	1230.5	1264.1	985.5	756.3	691.1
85°	550.4	563.4	568.9	571.0	555.9	764.5	993.7	991.7	828.3	634.8	612.8
87.5°	536.0	547.0	551.8	554.5	539.4	730.9	938.8	925.1	794.7	610.1	577.8
90°	450.9	476.3	475.6	499.6	482.4	642.3	823.5	814.6	721.3	562.0	524.3
92.5°	378.1	392.5	402.2	435.1	420.0	565.5	740.5	719.9	645.8	511.3	470.8
95°	353.4	366.5	374.0	392.5	374.0	488.6	623.8	605.3	536.0	426.2	387.1
97.5°	297.8	302.0	308.8	321.2	308.8	396.0	505.1	487.2	430.3	347.9	320.5
100°	252.5	256.7	265.6	274.5	268.3	339.0	422.7	413.1	369.9	302.6	284.1
102.5°	238.8	241.6	253.2	258.7	251.2	311.6	373.3	373.3	334.9	279.3	264.2
105°	227.8	231.3	240.2	242.3	236.8	286.9	344.5	341.1	310.9	261.5	247.1
107.5°	216.9	221.0	228.5	225.1	222.3	264.2	309.5	315.0	288.9	248.4	238.8
110°	228.5	229.9	236.1	230.6	235.4	262.8	310.9	312.2	304.7	271.1	260.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	310.9	303.3	316.4	295.8	311.6	330.8	*361.0*	372.0	363.0	324.6	315.7
115°	340.4	345.9	359.6	339.0	349.3	372.6	*387.1*	389.1	378.8	354.1	350.7
117.5°	265.6	293.0	278.6	291.0	295.1	327.3	*360.3*	369.9	360.3	326.0	347.2
120°	339.7	361.7	312.2	297.2	317.7	374.0	*404.2*	412.4	386.4	387.1	400.1
122.5°	563.4	575.8	606.7	622.4	598.4	632.7	*643.0*	650.6	610.8	564.1	540.8
125°	855.1	846.2	842.0	837.9	831.8	868.1	*875.0*	855.8	816.0	750.8	714.4
127.5°	773.4	781.0	792.6	791.3	785.8	813.9	*831.1*	819.4	808.4	746.0	724.7
130°	556.6	560.0	580.6	617.6	613.5	636.2	*638.2*	649.9	668.4	641.0	619.0
132.5°	461.2	464.6	495.5	512.0	513.3	514.0	*504.4*	531.2	550.4	522.9	504.4
135°	402.2	402.2	409.0	402.8	404.9	422.7	*431.0*	455.0	459.8	446.8	428.2
137.5°	355.5	356.9	342.4	330.8	332.8	365.1	*383.6*	402.2	392.5	365.8	352.7
140°	309.5	302.0	282.1	278.6	293.7	324.6	*335.6*	348.6	351.4	317.1	299.9
142.5°	227.8	225.1	234.0	252.5	260.8	312.2	*304.0*	328.7	330.1	272.4	244.3
145°	254.6	253.9	253.2	256.7	275.9	350.7	*330.8*	362.3	377.4	289.6	236.8
147.5°	287.5	286.9	280.7	273.1	302.0	320.5	*302.6*	330.1	346.6	287.5	229.2
150°	222.3	223.7	220.3	218.2	249.8	246.4	*242.3*	249.8	256.7	238.1	208.6
152.5°	172.9	170.2	168.1	168.8	194.9	190.8	*190.8*	196.3	197.0	190.1	175.0
155°	155.8	155.1	153.7	156.5	172.3	168.1	*164.7*	163.3	159.9	157.8	155.8
157.5°	146.2	144.8	144.8	148.9	159.9	153.0	*151.7*	150.3	148.2	148.2	148.9
160°	136.6	135.9	135.9	142.1	145.5	139.3	*137.9*	137.3	136.6	137.9	139.3
162.5°	131.1	131.1	131.1	135.2	135.2	131.1	*129.7*	129.0	129.7	134.5	135.2
165°	129.0	128.3	129.0	131.1	130.4	127.6	*127.0*	127.0	129.0	133.1	133.8
167.5°	132.4	132.4	132.4	133.1	132.4	129.7	*129.0*	129.0	131.1	134.5	134.5
170°	137.9	137.3	137.3	137.3	136.6	133.8	*132.4*	133.1	133.8	135.9	135.9
172.5°	142.7	142.7	142.1	141.4	140.0	138.6	*137.3*	137.3	137.3	137.9	137.9
175°	148.2	148.2	148.2	147.5	147.5	145.5	*144.8*	144.1	143.4	142.7	142.1
177.5°	154.4	153.7	153.7	153.7	153.7	151.7	*150.3*	149.6	148.2	147.5	147.5
180°	151.7	151.7	151.7	151.7	151.7	151.7	*151.7*	151.7	151.7	151.7	151.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	63.8	61.8	58.3	52.2	50.1	48.0	46.0	41.9	39.8	38.4
5°	78.2	75.5	74.8	71.4	66.6	62.4	61.8	60.4	59.7	57.6
7.5°	111.9	113.2	116.7	110.5	96.8	89.2	91.3	98.8	96.1	95.4
10°	140.7	149.6	156.5	140.7	116.0	100.2	100.9	116.0	117.4	120.1
12.5°	164.7	172.3	170.9	151.0	127.6	112.5	107.7	116.0	123.5	124.2
15°	190.8	177.7	172.9	156.5	140.0	128.3	126.3	128.3	128.3	127.0
17.5°	201.8	179.1	165.4	151.7	140.0	131.8	129.0	125.6	120.8	120.8
20°	204.5	184.6	168.8	154.4	142.7	133.8	126.3	122.2	120.8	120.8
22.5°	212.7	194.9	178.4	161.3	148.9	137.3	128.3	124.2	124.2	124.9
25°	224.4	207.9	187.3	169.5	156.5	144.1	132.4	126.3	125.6	126.3
27.5°	238.8	221.7	199.0	179.8	164.7	151.0	136.6	129.0	126.3	126.3
30°	255.3	235.4	210.0	188.7	172.3	159.9	142.1	131.8	128.3	127.0
32.5°	284.8	262.2	223.7	200.4	181.9	168.1	150.3	137.3	130.4	129.0
35°	357.5	322.5	272.4	229.9	201.8	177.7	156.5	140.7	131.8	130.4
37.5°	436.5	383.6	336.3	288.9	247.7	208.6	168.1	146.2	135.2	133.1
40°	485.9	416.6	374.7	304.0	298.5	266.3	206.6	161.3	142.1	139.3
42.5°	587.4	483.8	417.2	268.3	291.7	298.5	260.8	202.4	160.6	155.8
45°	707.5	568.9	468.0	286.9	300.6	292.3	267.0	234.7	200.4	190.8
47.5°	916.8	649.2	485.9	332.8	343.8	321.2	283.4	249.8	224.4	221.0
50°	1323.1	885.3	547.0	409.0	442.0	378.8	330.1	304.0	269.7	265.6
52.5°	1846.0	1065.8	614.2	529.1	603.9	525.7	446.8	393.9	386.4	389.1
55°	2412.9	1121.4	702.7	654.0	785.1	711.7	621.1	570.3	620.4	636.2
57.5°	2975.0	1205.1	831.1	816.0	982.7	870.9	799.5	821.5	1030.1	1080.2
60°	3417.6	1276.5	939.5	971.7	1178.3	1056.8	1026.7	1058.9	1417.1	1550.3
62.5°	3591.2	1244.2	995.8	1037.6	1270.3	1187.2	1176.9	1207.8	1509.8	1640.9
65°	*3604.3*	*1194.8*	*1017.7*	*1055.5*	*1284.7*	*1196.2*	*1168.0*	*1141.9*	*1351.9*	*1435.0*
67.5°	3335.2	1096.0	991.0	1030.1	1220.9	1103.5	1045.2	986.2	1093.9	1139.9
70°	2688.8	971.7	907.2	929.9	1026.7	918.2	838.6	798.1	836.6	833.1
72.5°	2036.8	855.8	815.3	792.6	838.6	750.8	662.9	623.8	658.1	649.2
75°	1555.8	763.8	726.1	650.6	695.2	576.5	479.7	452.9	469.4	463.2
77.5°	1122.7	612.1	562.0	479.0	536.7	419.3	321.9	302.6	306.8	293.7
80°	808.4	456.4	407.6	348.6	394.6	299.9	238.8	234.7	236.8	223.0
82.5°	634.8	365.8	333.5	302.0	316.4	271.1	229.9	225.8	227.8	212.7
85°	591.6	358.2	324.6	304.0	308.8	267.0	223.0	221.7	225.1	208.6
87.5°	557.9	354.8	328.0	298.5	286.9	245.0	206.6	212.7	222.3	205.2
90°	492.1	330.8	307.4	280.7	268.3	229.9	206.6	215.5	214.8	202.4
92.5°	433.7	295.1	276.6	261.5	258.7	234.0	216.2	224.4	227.2	214.8
95°	355.5	249.1	240.2	235.4	239.5	215.5	200.4	204.5	201.8	194.9
97.5°	302.6	227.2	221.0	214.1	210.0	192.8	179.8	185.3	188.0	181.9
100°	273.8	216.2	211.4	203.8	203.1	191.5	184.6	195.6	203.8	200.4
102.5°	256.0	205.2	199.0	192.2	190.1	180.5	175.0	181.9	189.4	182.5
105°	242.9	194.9	185.3	179.1	175.7	168.8	162.0	164.7	172.9	169.5
107.5°	230.6	194.2	179.1	174.3	174.3	165.4	155.8	156.5	160.6	159.9
110°	249.8	215.5	188.0	181.2	179.1	176.4	169.5	162.6	157.2	157.2

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

Scaled Data Report

REPORT NUMBER: P981408
CATALOG NUMBER: FFX-CLB-80-722-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	299.2	264.2	236.1	214.1	205.2	194.9	180.5	170.2	162.6	160.6
115°	321.2	283.4	256.7	232.6	212.1	192.2	179.8	172.3	168.1	172.3
117.5°	302.6	250.5	247.1	222.3	203.1	187.3	183.9	171.6	178.4	178.4
120°	340.4	291.0	283.4	247.7	221.0	201.1	199.0	197.0	189.4	186.0
122.5°	497.5	433.0	402.2	349.3	303.3	262.2	238.8	206.6	183.9	179.1
125°	676.0	590.9	516.8	446.8	377.4	304.0	242.3	194.2	170.9	167.4
127.5°	678.0	591.6	509.9	424.8	349.3	272.4	217.5	183.9	167.4	166.8
130°	596.4	520.9	431.0	346.6	285.5	234.7	194.9	167.4	155.8	152.4
132.5°	474.9	407.6	350.0	297.8	251.2	207.9	172.3	153.0	146.2	145.5
135°	399.4	341.1	300.6	262.2	225.8	187.3	154.4	144.8	141.4	140.0
137.5°	326.0	291.0	266.3	235.4	200.4	168.8	146.9	142.7	141.4	138.6
140°	282.7	259.4	232.6	198.3	171.6	145.5	133.8	137.3	140.7	140.0
142.5°	230.6	213.4	193.5	170.9	152.4	140.7	135.9	137.9	137.9	138.6
145°	218.9	196.3	185.3	171.6	159.2	150.3	138.6	134.5	133.8	133.8
147.5°	203.1	194.2	187.3	177.7	159.2	142.7	129.7	127.6	130.4	129.7
150°	190.1	183.9	175.7	160.6	142.1	131.1	124.2	124.9	129.7	130.4
152.5°	161.3	157.8	152.4	142.7	129.7	124.2	120.8	123.5	127.0	127.6
155°	143.4	141.4	140.0	133.8	125.6	122.2	120.8	122.8	126.3	127.0
157.5°	142.1	137.3	135.2	131.1	124.9	121.5	121.5	123.5	125.6	126.3
160°	137.9	131.8	131.1	127.0	125.6	123.5	124.9	125.6	127.6	127.0
162.5°	134.5	130.4	129.7	127.0	128.3	130.4	130.4	131.1	132.4	131.8
165°	133.1	129.7	129.0	129.0	133.1	136.6	137.3	136.6	136.6	136.6
167.5°	134.5	132.4	131.8	133.1	136.6	140.7	141.4	140.0	138.6	137.9
170°	136.6	135.9	136.6	137.3	139.3	142.1	142.1	140.7	140.7	140.7
172.5°	138.6	140.0	140.7	140.7	142.7	144.1	144.8	144.1	144.1	144.1
175°	142.7	143.4	143.4	144.1	146.2	147.5	148.9	148.9	148.9	148.9
177.5°	147.5	147.5	147.5	148.2	148.9	151.0	151.7	153.0	153.7	153.7
180°	151.7	151.7	151.7	151.7	151.7	151.7	151.7	151.7	151.7	151.7

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

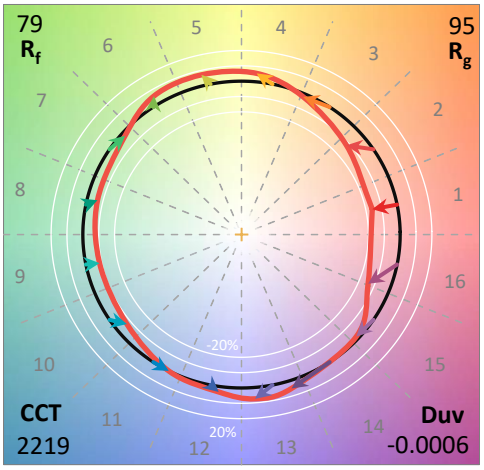
Test Information

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

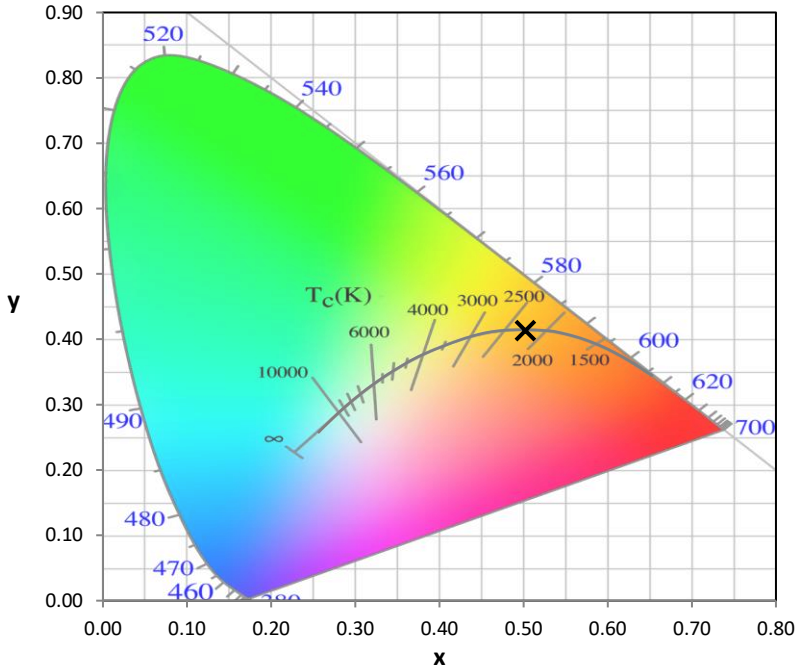
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

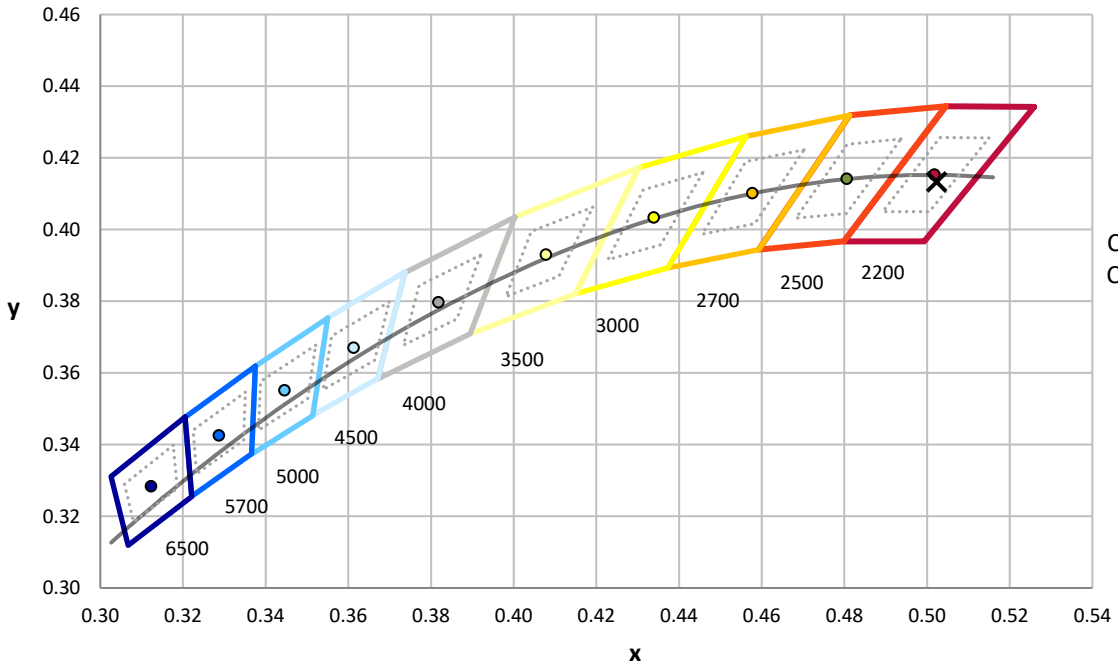
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

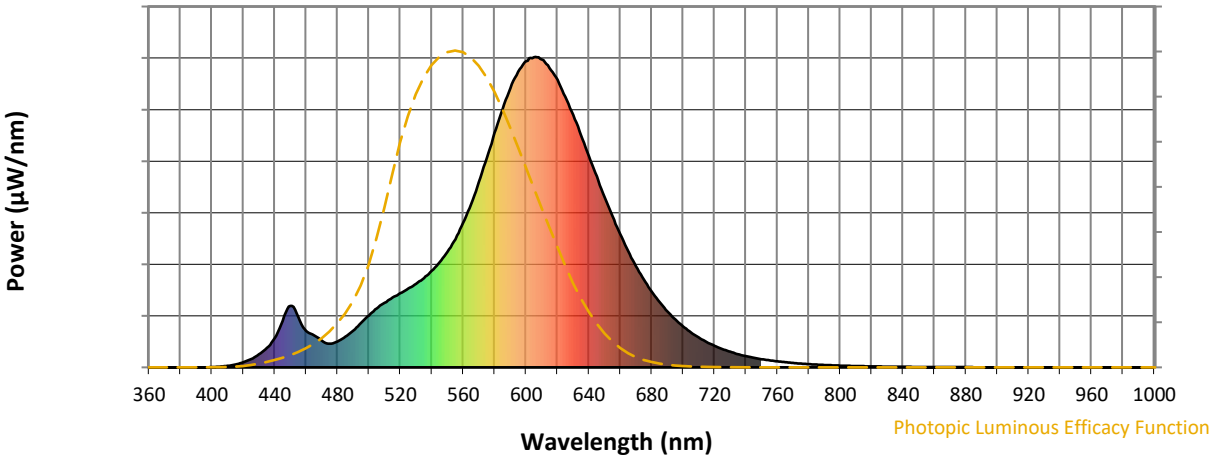


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

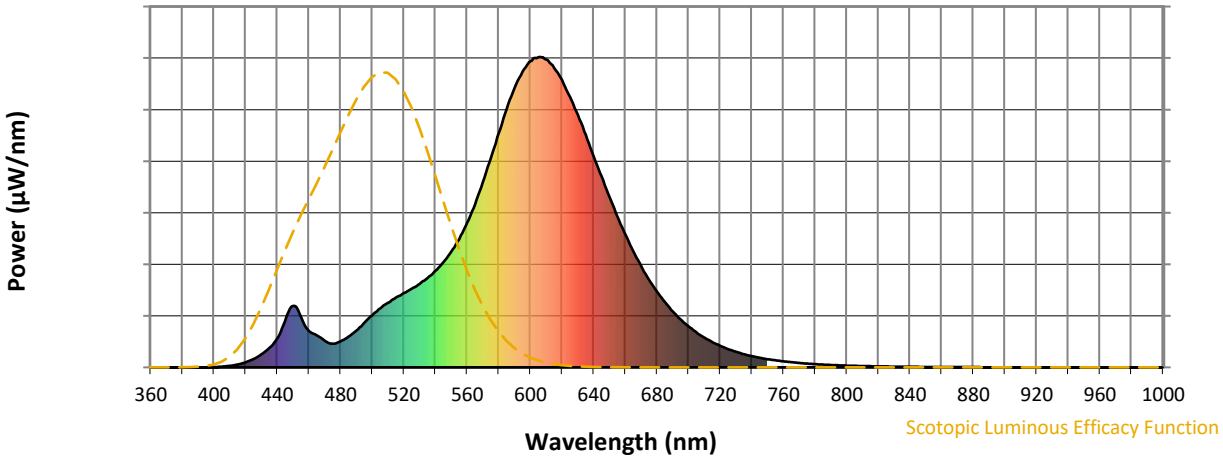


Photopic Lumens: NR

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

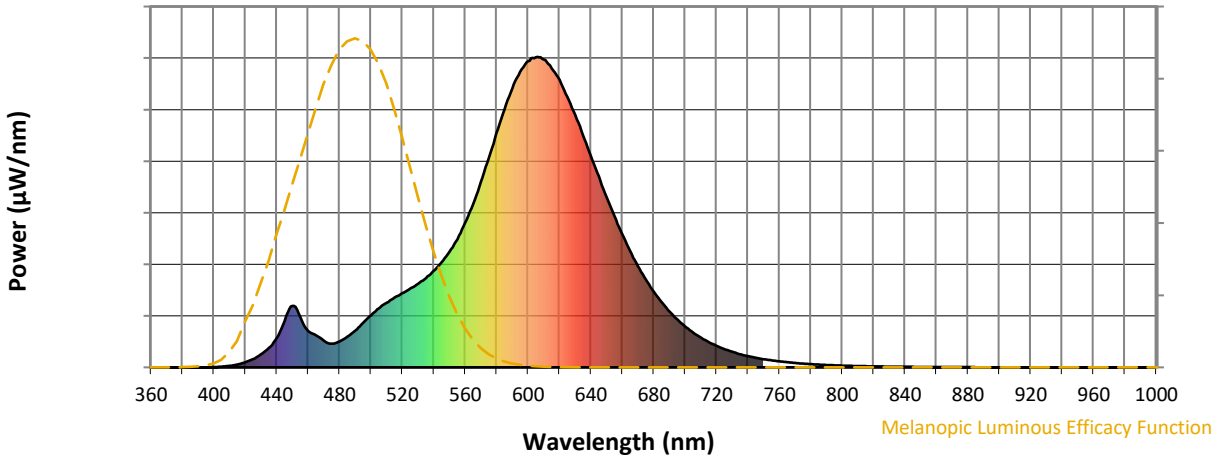


Scotopic Lumens: NR **S/P: 0.94**

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			

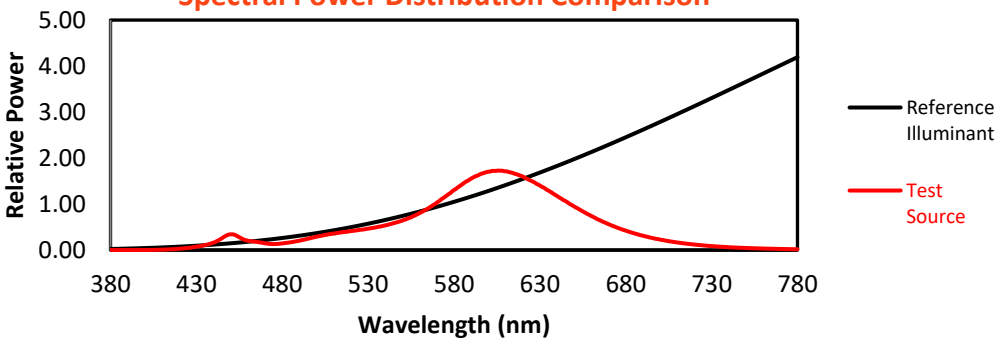
REPORT NUMBER: SP1-2501-332-2

TM-30-18

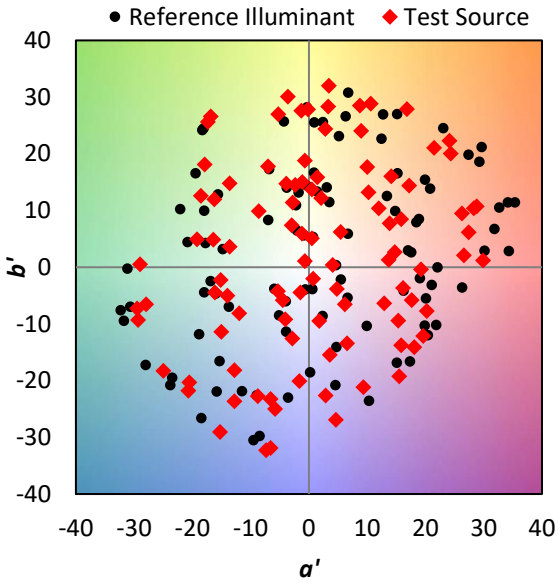
Summary

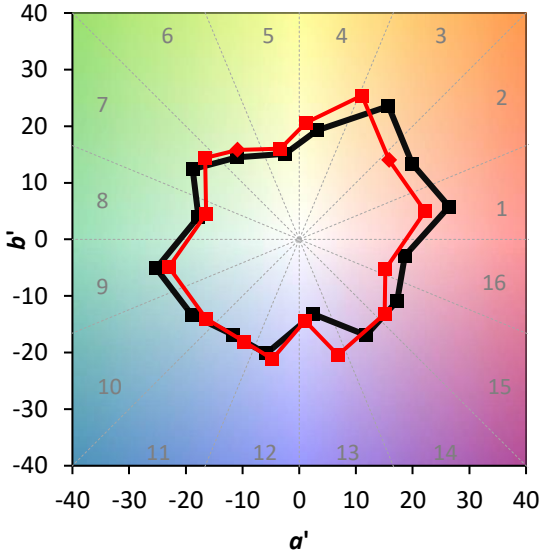
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

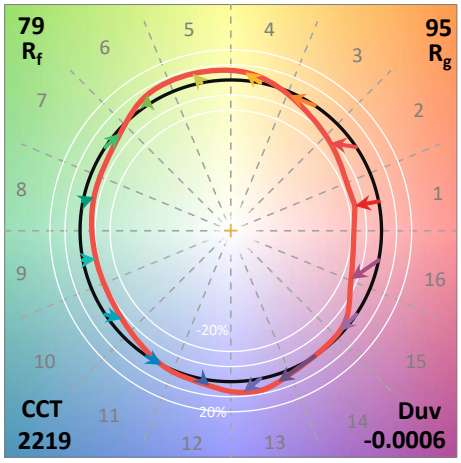
Spectral Power Distribution Comparison

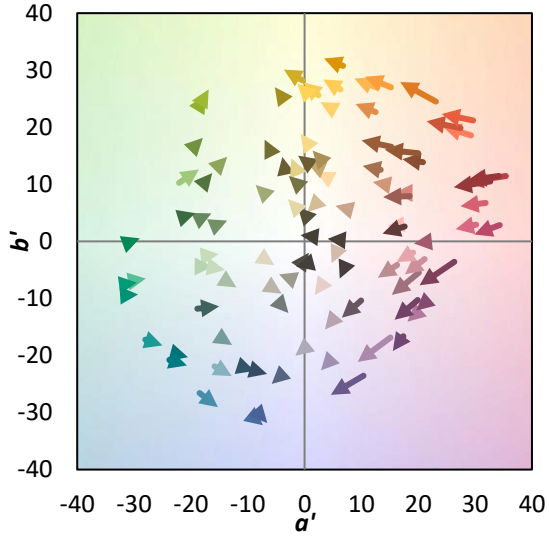


Color Vector Graphics







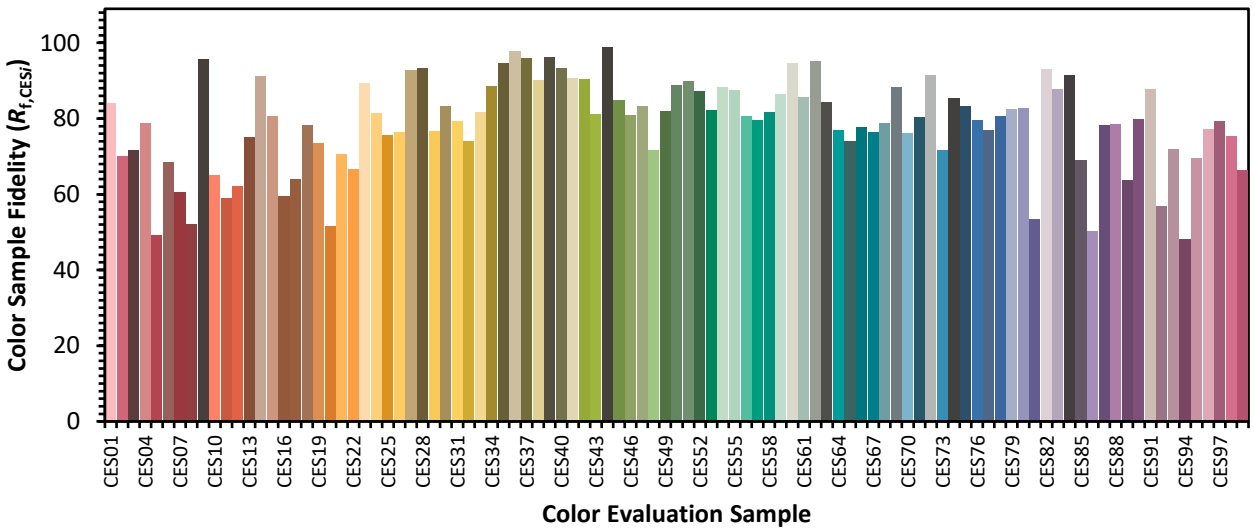


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

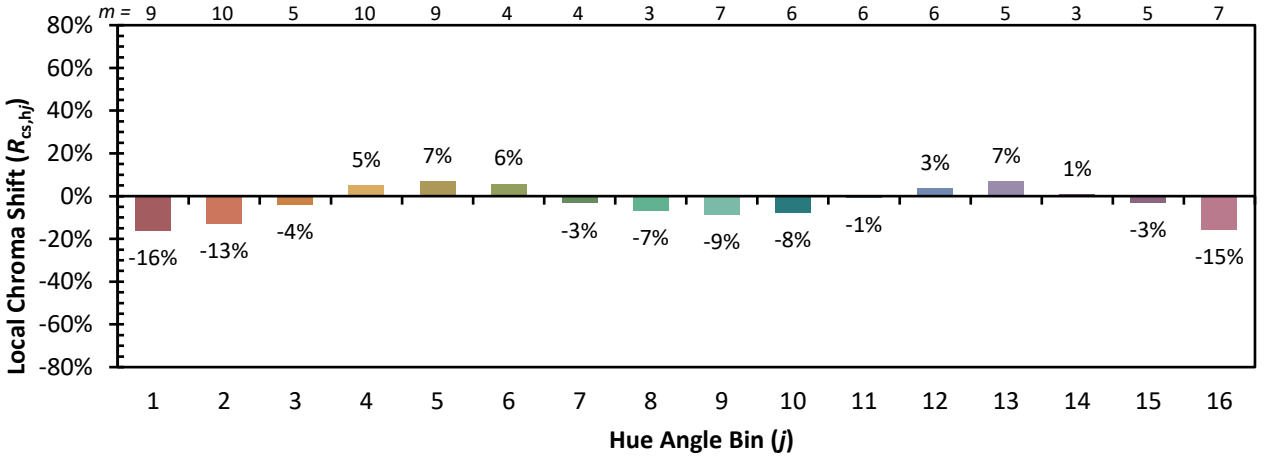
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 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	

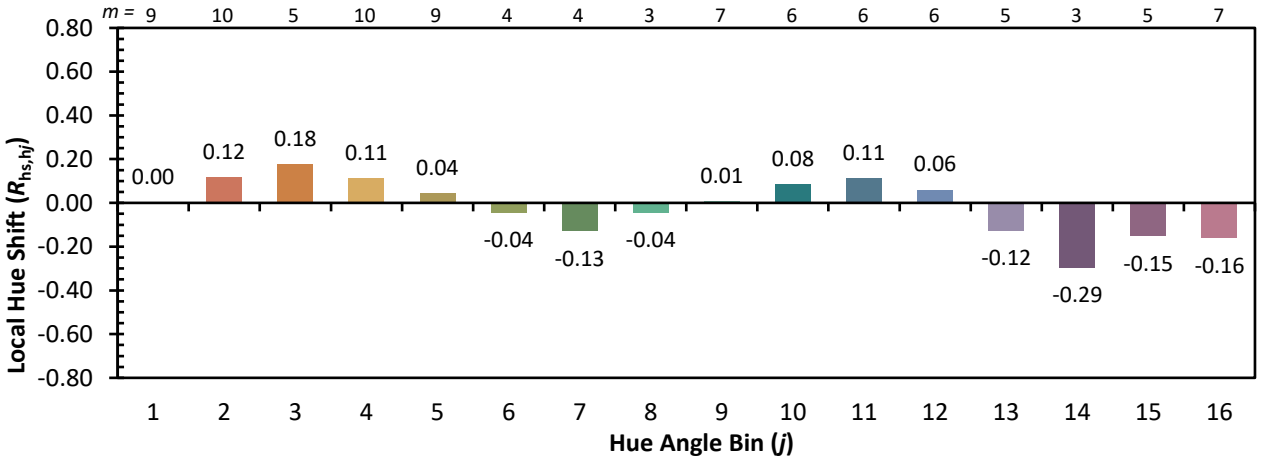


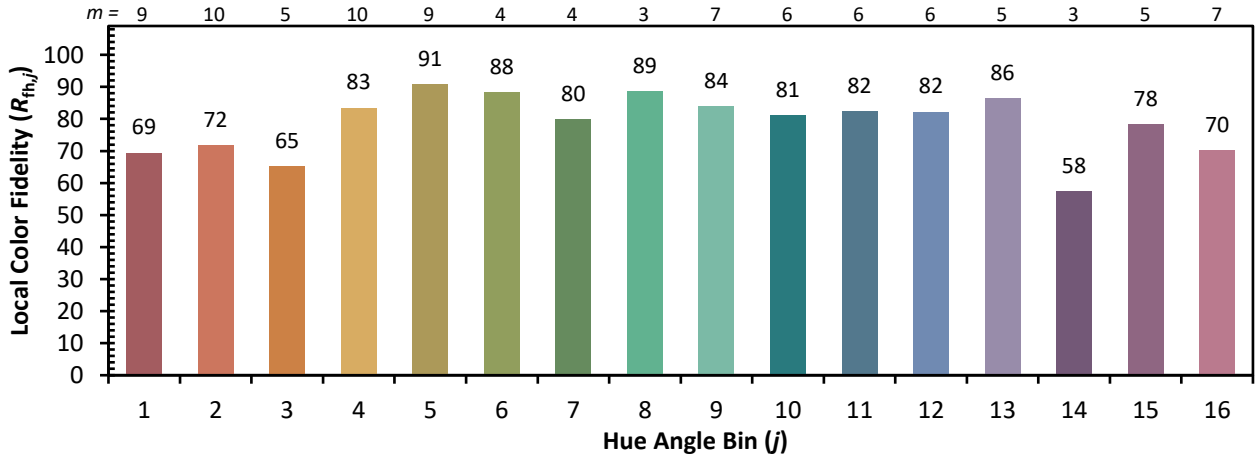
REPORT NUMBER: SP1-2501-332-2

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Color Rendition by Hue-Angle Bin



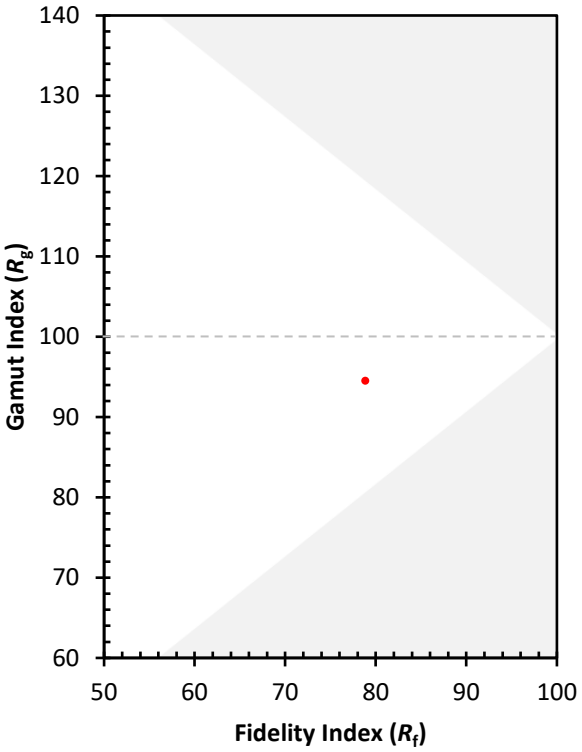


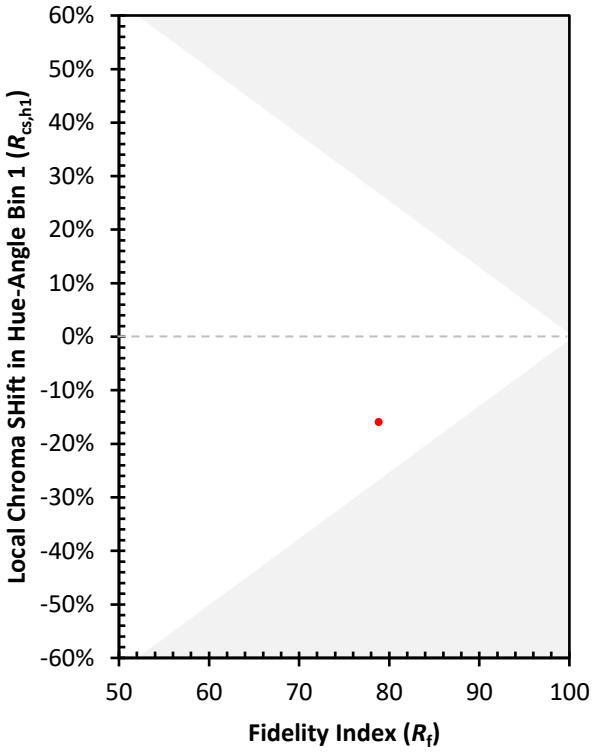


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Measure Comparisons





(END OF REPORT)