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: P1046364

Luminaire Tested: **FFX-CLB-80-722-U-FR-T4**

Issue Date: 07/01/2025

Report Generated By 670347003

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046364
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-722-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10546.5 lumens
Efficiency:	N/A
Efficacy:	128.9 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):	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

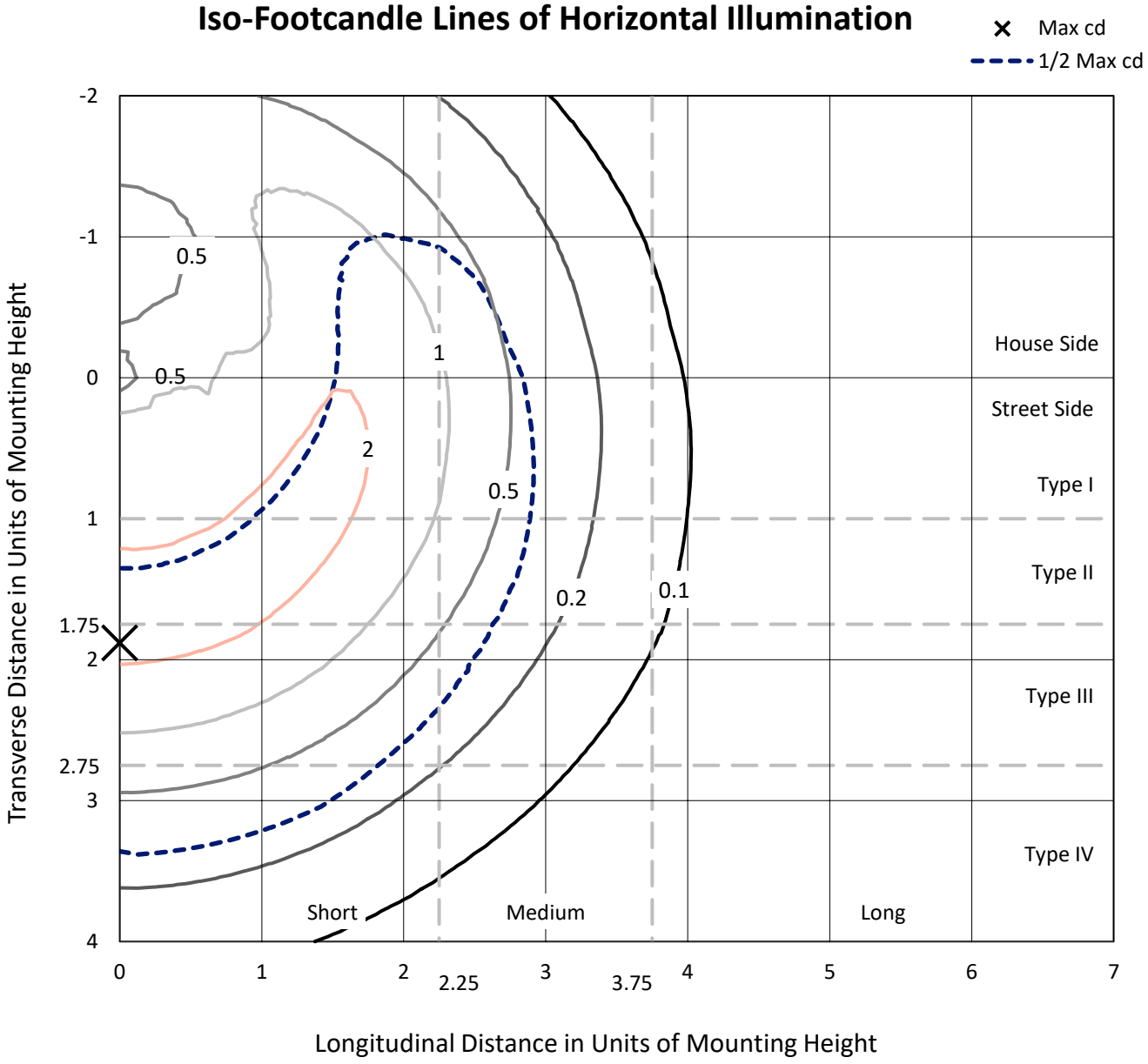


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Iso-Footcandle Lines of Horizontal Illumination



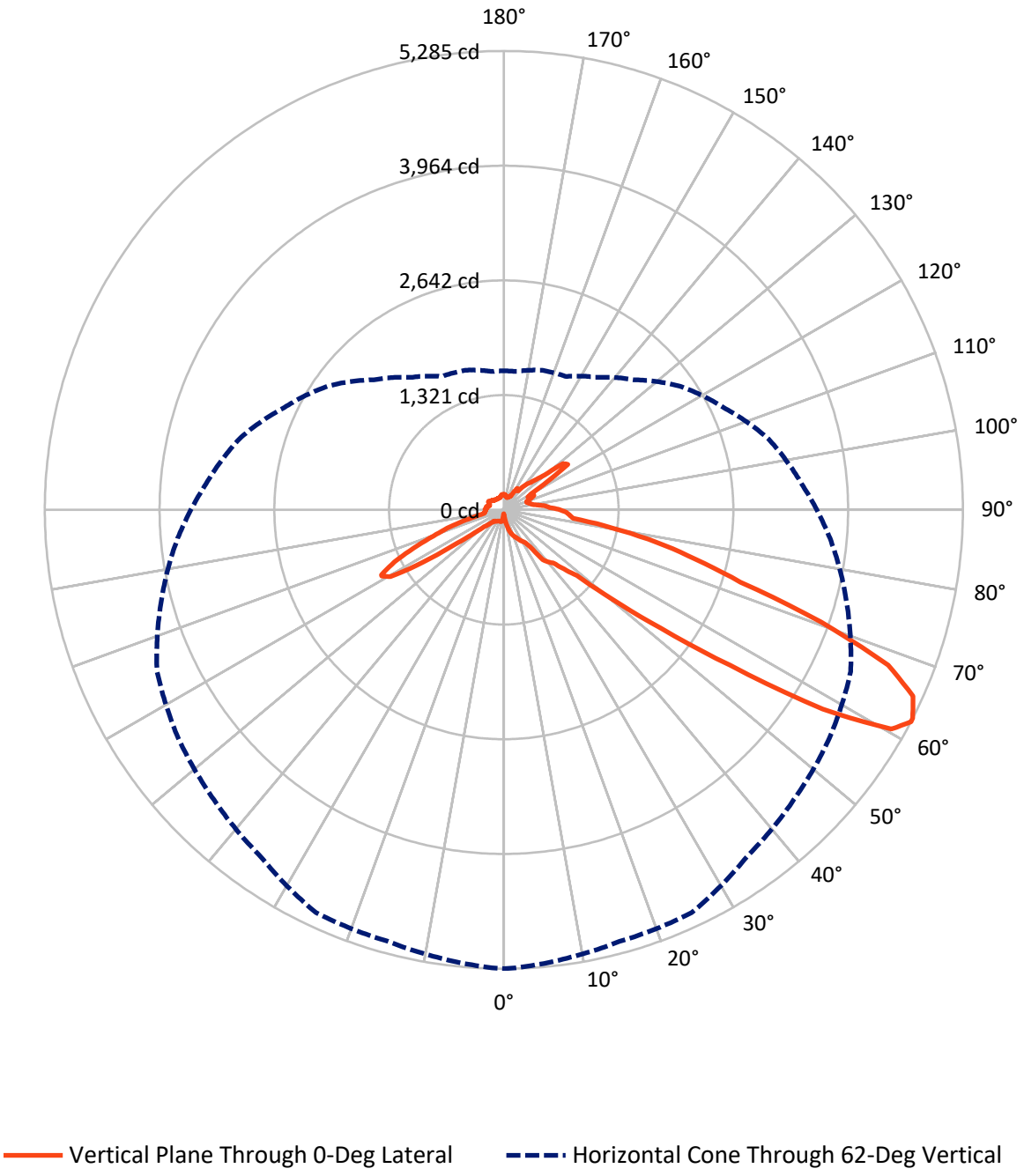
Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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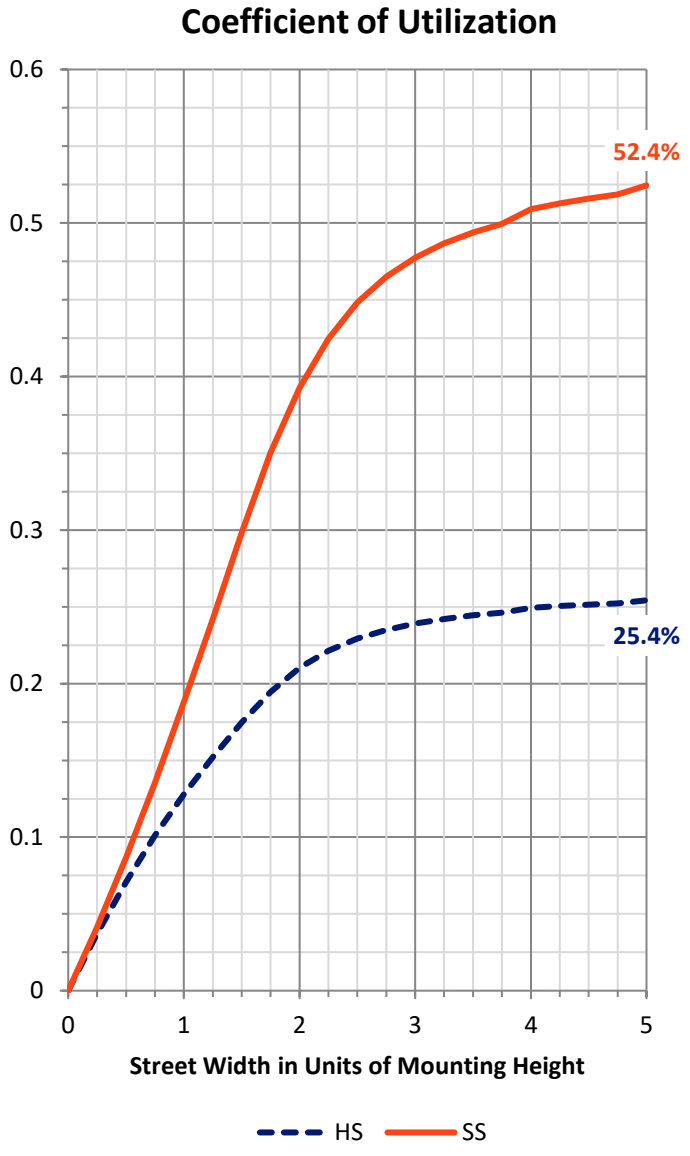
REPORT NUMBER: P1046364
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2774.9	792.9	3567.8
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	5760.9	1217.8	6978.7
	% Fixture	54.6	11.5	66.2
Total	Lumens	8535.9	2010.7	10546.5
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.1
10°-20°	58.6	0.6
20°-30°	126.7	1.2
30°-40°	253.6	2.4
40°-50°	555.5	5.3
50°-60°	1944.9	18.4
60°-70°	3254.9	30.9
70°-80°	1689.5	16.0
80°-90°	641.6	6.1
90°-100°	409.2	3.9
100°-110°	271.2	2.6
110°-120°	283.3	2.7
120°-130°	473.3	4.5
130°-140°	284.9	2.7
140°-150°	150.6	1.4
150°-160°	79.2	0.8
160°-170°	43.0	0.4
170°-180°	16.1	0.2
0°-90°	8535.9	80.9
0°-180°	10546.5	100.0



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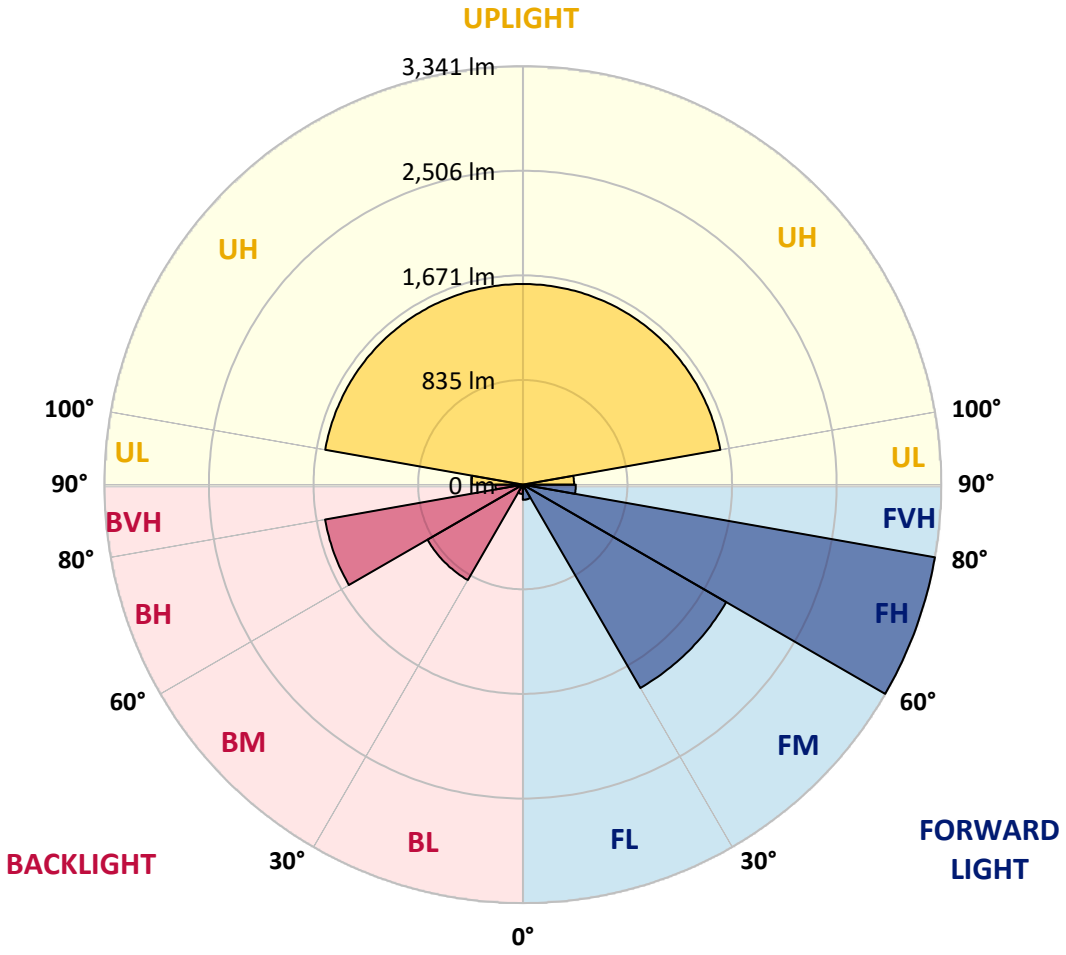
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	121.5	1.2			
FM	(30°-60°)	1875.0	17.8			
FH	(60°-80°)	3341.2	31.7			G2/5000
FVH	(80°-90°)	423.2	4.0			G3/500
BL	(0°-30°)	74.4	0.7	B0/110		
BM	(30°-60°)	878.9	8.3	B1/1000		
BH	(60°-80°)	1603.2	15.2	B3/2500		G3/2500
BVH	(80°-90°)	218.4	2.1			G2/225
UL	(90°-100°)	409.2	3.9		U3/500	
UH	(100°-180°)	1601.5	15.2		U5	

BUG Rating: B3-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2.5°	66.4	65.1	65.1	67.8	71.1	71.1	71.8	69.8	69.8	69.1	69.8
5°	96.6	93.9	95.3	95.9	97.3	98.6	100.0	100.0	97.3	95.3	89.9
7.5°	134.9	134.2	135.5	134.9	133.5	136.9	138.9	143.6	144.9	136.2	125.5
10°	173.8	171.8	171.1	171.8	172.4	170.4	174.4	177.8	173.1	163.0	153.6
12.5°	216.0	216.0	216.0	215.4	215.4	214.7	213.3	212.7	208.0	196.6	181.8
15°	263.0	263.7	265.0	264.3	261.0	255.6	251.6	248.2	245.6	237.5	218.7
17.5°	291.8	290.5	291.8	291.2	289.8	286.5	279.1	272.4	263.7	252.3	238.2
20°	318.7	318.0	317.3	317.3	316.0	312.0	307.3	296.5	285.1	273.1	257.0
22.5°	339.5	338.1	339.5	338.8	338.1	336.8	328.7	319.4	306.6	293.2	276.4
25°	366.3	365.6	366.3	364.3	364.3	362.3	357.6	345.5	331.4	316.7	295.9
27.5°	395.8	393.8	395.8	395.2	392.5	387.1	383.1	369.7	352.2	338.1	319.4
30°	420.7	420.7	422.0	418.0	420.7	416.0	406.6	391.8	377.0	358.9	339.5
32.5°	446.8	446.8	445.5	444.8	448.2	442.1	431.4	413.9	401.9	383.1	366.3
35°	520.0	514.6	523.3	522.6	539.4	527.3	507.2	483.7	464.9	440.8	418.6
37.5°	729.9	727.3	723.2	697.7	668.2	672.9	676.3	650.1	626.6	583.0	531.4
40°	789.7	789.0	788.3	773.6	781.6	760.1	749.4	736.0	732.0	674.9	605.8
42.5°	838.6	830.6	838.6	865.5	907.7	893.0	838.6	768.9	756.1	701.8	673.6
45°	971.5	966.1	979.5	987.6	974.2	950.0	965.4	914.4	879.6	802.4	750.7
47.5°	1130.5	1125.1	1137.9	1144.6	1172.1	1146.6	1134.5	1090.9	1032.5	959.4	892.3
50°	1604.8	1544.4	1593.4	1576.6	1583.3	1526.3	1549.1	1486.7	1434.4	1314.3	1192.9
52.5°	2265.7	2245.5	2212.0	2174.4	2203.3	2142.2	2161.0	2093.2	1998.6	1859.1	1680.0
55°	3160.0	3092.2	3113.7	3190.8	3174.7	3065.4	3046.6	2881.5	2711.8	2503.2	2314.6
57.5°	4330.0	4296.5	4257.6	4205.9	4155.6	4042.2	3986.5	3802.0	3538.4	3247.2	2984.9
60°	5126.4	5099.6	5082.1	4924.5	4831.9	4603.8	4552.1	4424.0	4189.1	3872.5	3510.9
62°	5284.7	5280.7	5245.2	5147.2	5119.7	4878.2	4721.2	4578.3	4405.8	4084.5	3769.8
62.5°	5283.4	5275.3	5254.5	5172.7	5144.5	4918.4	4748.0	4596.4	4424.6	4109.3	3800.0
65°	5176.0	5157.9	5148.5	5099.6	5086.8	4954.0	4727.9	4571.6	4427.3	4079.8	3822.2
67.5°	4772.2	4793.6	4795.0	4746.0	4703.7	4624.6	4408.5	4273.0	4173.7	3811.4	3568.6
70°	3873.8	3845.0	3815.4	3838.3	3819.5	3776.5	3604.8	3434.4	3310.3	3120.4	2890.3
72.5°	2847.3	2893.0	2892.3	2899.0	2902.3	2794.3	2717.8	2619.9	2552.8	2388.4	2224.1
75°	2282.4	2286.5	2273.7	2226.7	2176.4	2114.0	2127.4	2118.7	2086.5	1912.8	1749.7
77.5°	1802.1	1757.8	1775.9	1702.1	1637.0	1636.3	1662.5	1688.0	1702.1	1562.5	1436.4
80°	1268.7	1258.6	1242.5	1249.2	1195.6	1209.6	1222.4	1239.8	1212.3	1129.8	1071.4
82.5°	801.1	792.3	779.6	841.3	893.0	881.6	840.6	774.9	759.5	765.5	752.1
85°	757.5	756.8	745.4	739.3	731.3	713.2	723.2	737.3	729.3	683.7	624.6
87.5°	715.2	713.2	704.5	701.1	685.7	683.7	693.0	698.4	701.8	660.8	611.2
90°	626.6	618.6	610.5	617.2	615.2	616.6	619.2	617.9	619.2	570.9	550.1
92.5°	522.6	520.6	514.6	517.9	522.6	541.4	533.4	520.6	518.6	499.2	479.0
95°	477.0	478.4	471.0	475.7	477.0	477.0	471.6	465.6	460.9	445.5	427.4
97.5°	395.2	389.1	386.4	389.8	391.1	386.4	383.1	373.0	372.4	356.9	348.2
100°	336.1	334.8	333.4	337.5	338.8	336.8	337.5	331.4	330.8	322.0	312.6
102.5°	314.0	313.3	312.6	316.0	317.3	316.0	314.0	307.9	309.3	299.9	293.2
105°	296.5	296.5	295.9	297.9	293.9	291.8	289.2	289.2	290.5	283.1	273.1
107.5°	277.1	276.4	277.1	276.4	271.7	269.7	269.0	267.0	271.7	267.7	257.0

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*280.4*	280.4	279.8	272.4	269.7	266.4	265.0	268.4	267.0	260.3	253.6
112.5°	*343.5*	339.5	342.2	332.1	327.4	330.1	331.4	334.1	339.5	328.7	318.7
115°	*383.8*	384.4	391.1	391.1	381.1	385.8	385.8	385.1	390.5	382.4	372.4
117.5°	*313.3*	317.3	338.8	325.4	328.7	331.4	314.7	308.6	307.3	309.3	330.8
120°	*360.9*	355.6	375.7	333.4	320.7	320.7	332.8	348.2	331.4	305.9	312.6
122.5°	*590.4*	591.1	591.7	609.9	607.8	613.2	603.8	591.7	556.9	557.5	526.0
125°	*903.7*	895.0	895.0	886.9	885.6	872.9	889.0	899.0	872.2	826.6	776.9
127.5°	*864.8*	883.6	876.9	856.7	837.3	830.6	849.4	880.9	865.5	825.2	779.6
130°	*613.9*	618.6	617.2	638.7	644.1	637.4	644.1	621.3	624.6	634.0	609.9
132.5°	*514.6*	511.9	521.3	550.8	562.2	548.8	530.0	513.2	513.9	534.0	532.7
135°	*443.5*	441.5	448.2	449.5	462.3	451.5	434.7	434.7	438.8	443.5	441.5
137.5°	*400.5*	397.8	399.9	384.4	369.0	368.3	381.7	389.1	385.1	380.4	375.0
140°	*344.8*	346.2	342.8	330.1	323.4	324.7	333.4	344.8	341.5	331.4	323.4
142.5°	*274.4*	271.7	275.7	285.1	298.6	298.6	285.1	271.0	270.4	275.1	281.8
145°	*270.4*	269.0	269.7	267.7	270.4	267.7	263.7	259.6	254.9	251.6	248.9
147.5°	*293.2*	293.2	292.5	289.2	286.5	281.8	283.1	287.8	290.5	287.8	283.8
150°	*238.2*	240.2	240.2	239.5	236.8	238.8	241.5	242.9	245.6	245.6	241.5
152.5°	*183.2*	182.5	184.5	181.8	181.1	182.5	185.8	188.5	189.2	189.2	183.8
155°	*174.4*	173.1	174.4	173.1	171.8	173.1	175.8	177.1	178.5	176.4	171.1
157.5°	*163.0*	163.0	163.0	161.7	162.4	162.4	163.7	164.4	165.0	164.4	163.0
160°	*154.3*	154.3	155.0	154.3	154.3	155.7	155.0	154.3	154.3	153.6	153.0
162.5°	*148.9*	148.9	148.9	148.9	148.3	148.3	148.9	148.3	147.6	146.9	148.3
165°	*146.3*	145.6	145.6	145.6	146.3	145.6	145.6	145.6	144.9	146.9	149.6
167.5°	*151.6*	150.3	151.0	151.6	151.6	151.0	151.0	151.0	152.3	154.3	156.3
170°	*159.0*	158.3	158.3	159.0	159.0	158.3	158.3	158.3	159.0	159.7	160.3
172.5°	*165.0*	164.4	164.4	164.4	163.7	163.0	163.0	163.0	163.0	163.0	163.7
175°	*171.1*	171.1	171.1	171.1	170.4	169.7	169.7	169.7	169.7	169.7	169.7
177.5°	*177.8*	177.1	177.8	177.1	177.1	177.1	176.4	175.8	175.1	175.1	175.1
180°	*176.4*	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2.5°	68.4	67.8	63.7	60.4	57.7	55.0	51.0	47.6	45.0	44.3	44.3
5°	88.6	87.2	83.2	77.8	75.1	71.1	67.1	64.4	61.1	59.7	60.4
7.5°	122.1	122.8	124.1	126.8	125.5	114.1	101.3	98.6	101.3	105.3	107.3
10°	151.6	149.6	148.9	157.7	155.7	138.9	122.1	116.7	121.4	130.2	134.2
12.5°	175.8	171.8	171.1	172.4	164.4	146.3	132.2	126.1	128.8	135.5	134.9
15°	211.3	205.3	196.6	191.2	181.1	168.4	151.0	140.9	140.9	140.9	140.2
17.5°	232.1	225.4	208.7	193.2	180.5	171.1	159.7	150.3	140.2	138.9	138.2
20°	250.2	240.2	222.1	205.3	189.2	175.8	159.7	148.3	139.5	138.2	137.5
22.5°	265.7	256.3	236.8	216.7	196.6	181.1	163.7	151.6	142.9	140.2	139.5
25°	286.5	276.4	254.3	230.8	207.3	187.9	171.8	157.7	146.9	141.6	141.6
27.5°	307.3	295.9	271.0	246.9	221.4	197.2	179.1	165.0	151.6	144.2	143.6
30°	327.4	314.7	287.8	260.3	234.8	209.3	188.5	172.4	157.7	149.6	148.9
32.5°	355.6	340.8	309.3	275.1	249.6	222.1	198.6	179.8	164.4	156.3	155.0
35°	410.6	393.8	358.3	314.0	273.7	236.8	208.7	183.8	169.1	160.3	159.7
37.5°	512.6	493.1	443.5	389.1	334.1	278.4	226.8	189.2	172.4	164.4	163.0
40°	573.6	535.4	483.1	440.1	398.5	344.8	278.4	219.4	179.1	169.7	168.4
42.5°	652.8	613.2	537.4	455.5	402.5	360.3	313.3	275.1	217.4	183.8	177.8
45°	727.9	697.7	632.7	545.4	464.9	391.8	333.4	296.5	259.6	221.4	215.4
47.5°	854.1	809.8	723.9	634.7	552.8	471.0	401.9	330.1	282.5	259.6	258.3
50°	1177.4	1096.9	972.8	866.1	711.8	586.4	504.5	408.6	347.5	312.0	300.6
52.5°	1595.4	1511.6	1370.0	1215.7	1044.6	882.9	722.6	585.0	485.7	423.3	425.4
55°	2218.0	2134.2	1926.2	1661.8	1427.0	1258.6	1086.9	919.8	760.1	668.2	656.8
57.5°	2874.8	2799.7	2621.9	2299.2	1925.5	1614.2	1410.2	1292.2	1210.3	1110.4	1110.4
60°	3356.5	3231.8	3030.5	2705.1	2373.7	1964.4	1702.8	1533.7	1518.9	1501.5	1514.9
62°	*3602.8*	*3441.8*	*3154.6*	*2789.0*	*2481.0*	*2116.7*	*1862.4*	*1694.7*	*1665.2*	*1599.4*	*1600.8*
62.5°	3644.4	3466.6	3175.4	2789.0	2490.4	2130.1	1879.9	1716.2	1675.3	1594.7	1596.1
65°	3686.0	3471.9	3190.8	2744.0	2437.4	2083.8	1891.3	1677.9	1570.6	1435.7	1396.2
67.5°	3447.1	3227.7	2986.9	2551.5	2232.8	1891.3	1677.9	1463.9	1288.8	1151.9	1130.5
70°	2799.7	2627.3	2441.4	2108.7	1830.2	1553.8	1372.7	1179.5	1005.0	854.1	863.5
72.5°	2124.8	1963.7	1793.3	1582.0	1408.9	1223.1	1062.7	907.1	762.2	668.2	685.7
75°	1645.7	1538.4	1417.6	1264.0	1132.5	960.7	778.3	640.0	542.1	485.1	488.4
77.5°	1353.2	1241.8	1143.2	1002.3	877.5	701.8	526.0	407.9	350.9	325.4	318.7
80°	1040.6	959.4	872.2	746.0	608.5	473.0	353.6	298.6	261.0	242.2	234.8
82.5°	726.6	676.3	603.1	511.9	432.7	383.1	331.4	285.1	246.2	228.8	220.7
85°	598.4	571.6	531.4	479.7	432.7	377.7	320.0	273.1	239.5	226.1	218.7
87.5°	583.0	564.9	519.3	464.3	407.9	351.6	293.2	249.6	228.1	219.4	212.7
90°	534.7	513.9	481.7	427.4	377.0	316.7	269.0	242.9	226.8	216.7	209.3
92.5°	466.3	454.9	425.4	386.4	351.6	312.6	278.4	254.9	238.2	226.1	218.7
95°	414.6	401.2	384.4	352.9	324.0	292.5	261.0	238.8	221.4	208.7	202.6
97.5°	340.8	331.4	315.3	294.5	273.1	247.6	225.4	210.7	199.3	193.2	189.2
100°	309.3	303.2	293.9	279.1	261.7	243.5	227.4	219.4	214.7	210.7	208.7
102.5°	286.5	279.8	272.4	257.0	243.5	227.4	216.7	210.0	204.0	197.2	195.9
105°	266.4	261.0	250.9	238.2	224.8	209.3	196.6	192.6	187.2	181.1	180.5
107.5°	250.9	245.6	236.8	223.4	211.3	197.9	186.5	180.5	174.4	171.1	170.4

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

Scaled Data Report

REPORT NUMBER: P1046364
CATALOG NUMBER: FFX-CLB-80-722-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	249.6	245.6	236.2	224.8	215.4	201.9	189.2	187.2	180.5	172.4	171.8
112.5°	311.3	298.6	280.4	261.7	245.6	232.1	216.0	199.9	186.5	178.5	177.1
115°	360.9	348.2	326.1	298.6	273.1	244.2	216.7	196.6	189.2	187.2	189.9
117.5°	339.5	312.6	275.1	258.3	236.2	220.7	210.0	205.3	193.2	196.6	199.9
120°	326.1	307.9	275.1	272.4	262.3	244.9	220.1	214.7	208.0	202.6	201.9
122.5°	524.0	506.5	469.0	411.9	350.2	308.6	293.2	261.0	222.1	192.6	187.9
125°	742.7	714.5	640.7	577.7	495.8	407.9	328.7	261.0	208.0	179.8	176.4
127.5°	757.5	725.9	661.5	576.3	472.3	365.0	283.1	234.1	198.6	179.8	176.4
130°	590.4	570.3	522.6	442.8	371.0	307.3	261.0	221.4	189.2	175.1	173.1
132.5°	522.0	503.9	436.1	369.7	322.0	273.1	234.1	196.6	169.1	159.7	158.3
135°	431.4	411.3	366.3	325.4	290.5	250.9	212.0	179.8	160.3	155.7	155.0
137.5°	368.3	358.9	325.4	296.5	265.0	230.8	198.6	173.8	161.7	157.7	157.0
140°	318.0	316.0	295.2	269.7	238.2	201.9	177.1	162.4	157.7	155.7	155.0
142.5°	281.1	278.4	255.6	226.1	197.9	179.1	169.7	165.0	161.0	155.7	154.3
145°	243.5	238.8	224.8	212.0	203.3	197.2	188.5	173.8	158.3	150.3	149.6
147.5°	277.1	269.0	253.6	235.5	216.7	197.2	179.1	163.7	151.0	146.3	145.6
150°	232.8	232.1	222.1	208.0	193.9	176.4	163.0	153.0	147.6	146.9	146.9
152.5°	180.5	180.5	180.5	177.1	170.4	161.0	151.0	144.9	144.9	147.6	148.3
155°	169.7	170.4	171.1	169.7	164.4	155.7	146.9	144.2	144.9	147.6	148.3
157.5°	161.7	161.7	162.4	161.0	158.3	152.3	146.3	143.6	144.2	145.6	146.3
160°	152.3	152.3	153.0	153.0	150.3	148.3	145.6	143.6	143.6	144.2	144.9
162.5°	148.9	148.9	148.9	148.9	148.3	148.3	148.3	148.3	147.6	147.6	147.6
165°	150.3	150.3	148.3	147.6	148.9	151.0	154.3	155.0	151.6	151.0	151.0
167.5°	157.0	157.0	155.0	153.6	155.7	157.7	162.4	163.7	161.0	158.3	158.3
170°	161.0	161.0	161.0	161.7	162.4	164.4	167.1	168.4	167.7	167.1	167.1
172.5°	163.7	163.7	165.0	166.4	168.4	169.7	171.1	172.4	173.8	173.8	174.4
175°	169.1	169.7	171.1	171.8	173.1	174.4	175.8	177.1	177.8	177.8	177.8
177.5°	174.4	174.4	174.4	175.1	175.8	176.4	177.1	177.8	177.8	178.5	179.1
180°	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

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

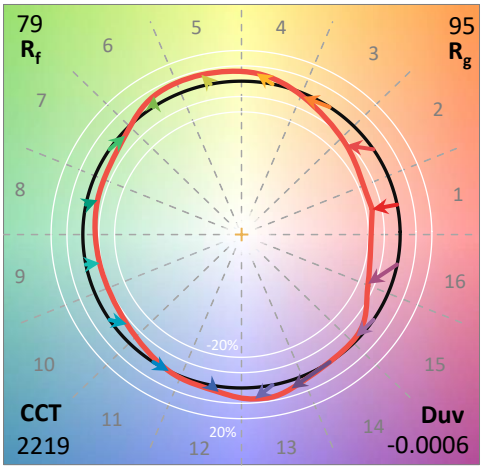
Test Information

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

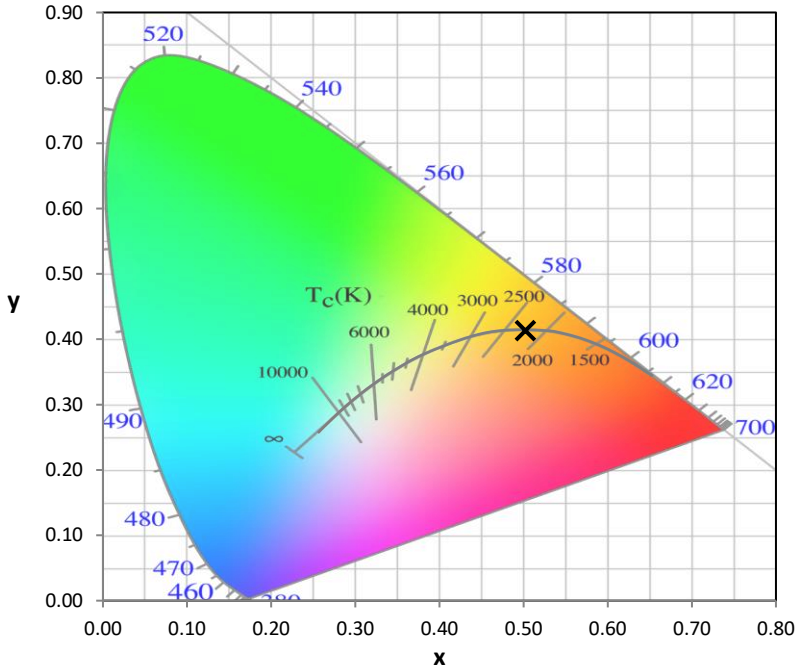
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

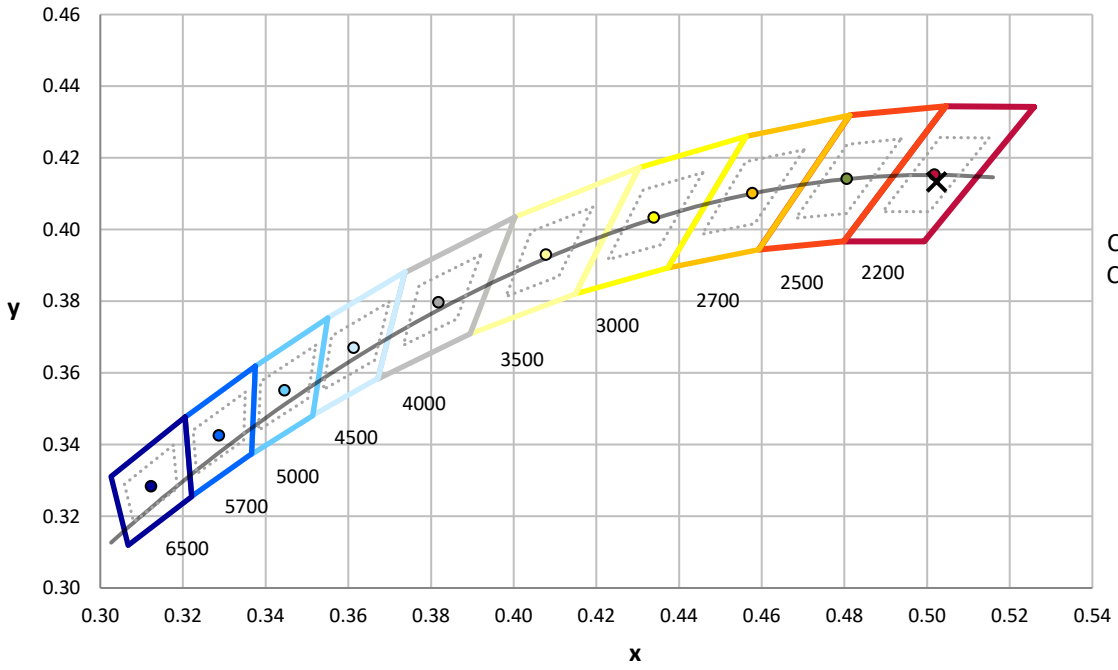
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

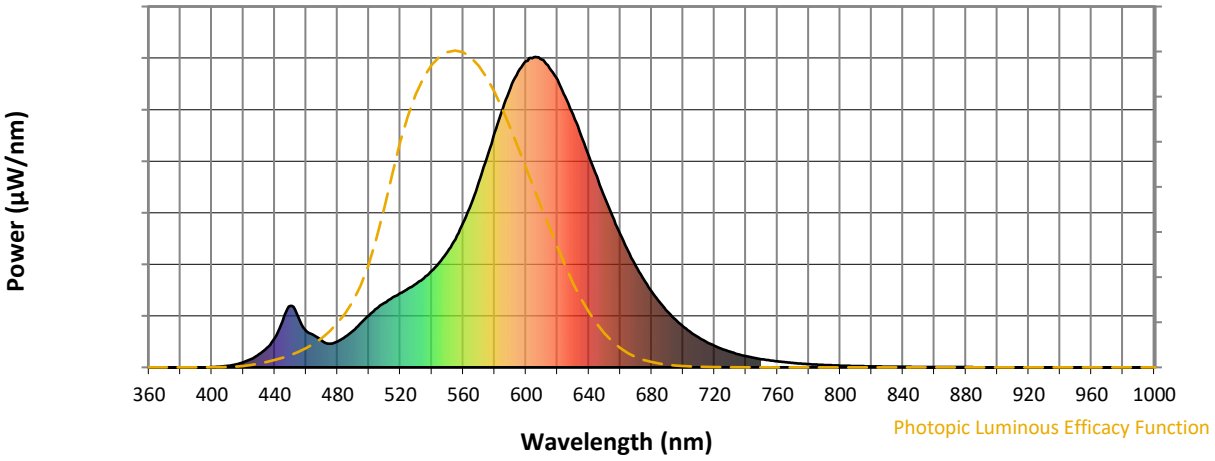


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

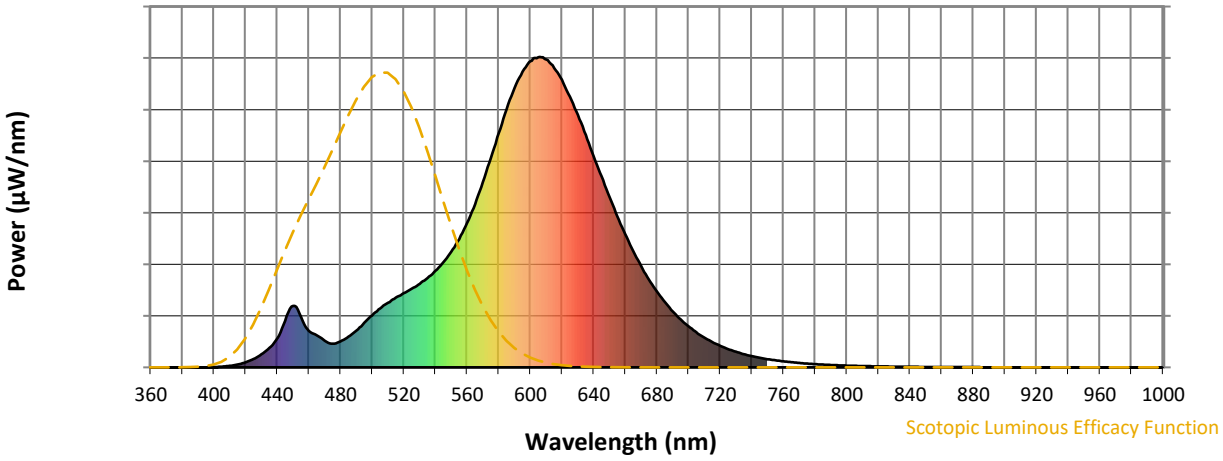


Photopic Lumens: NR

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

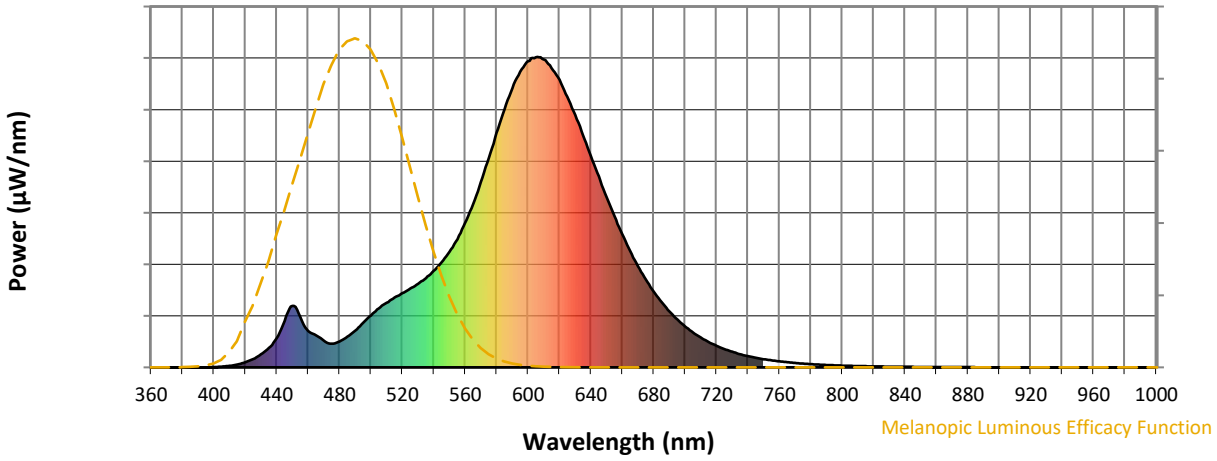


Scotopic Lumens: NR **S/P: 0.94**

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			

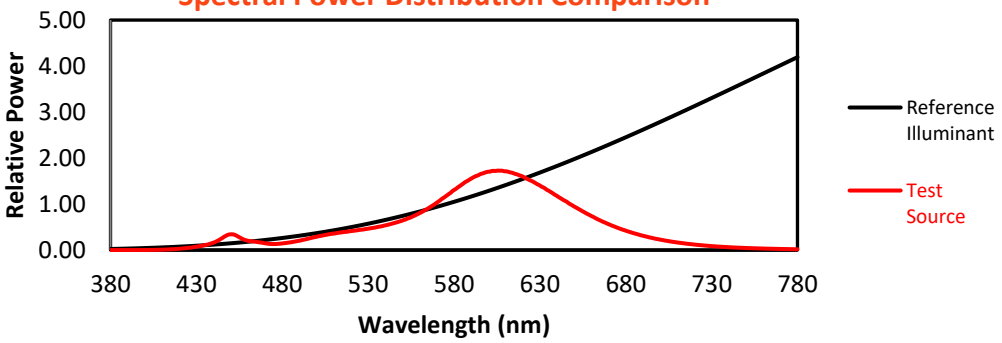
REPORT NUMBER: SP1-2501-332-2

TM-30-18

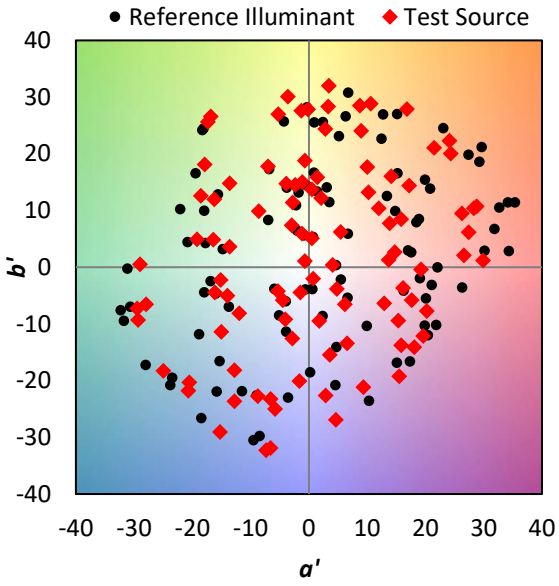
Summary

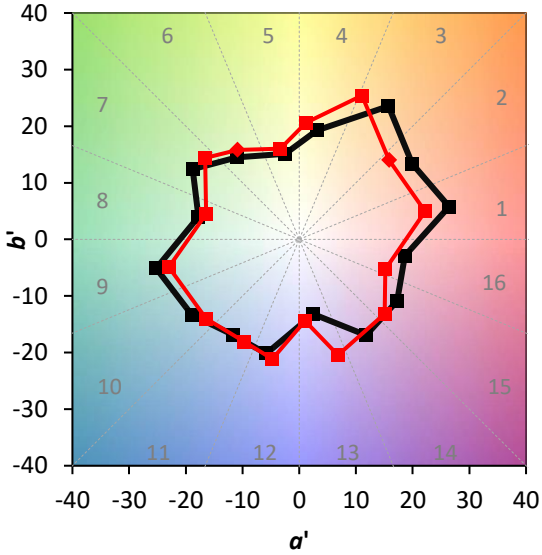
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

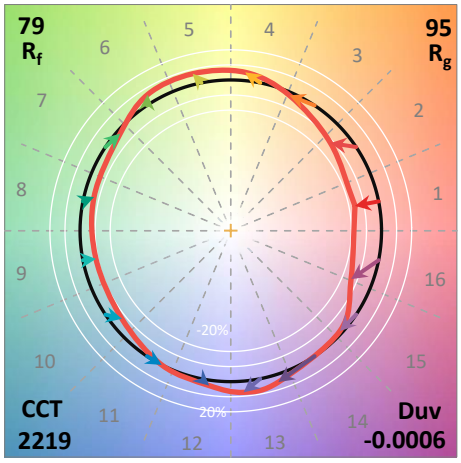
Spectral Power Distribution Comparison

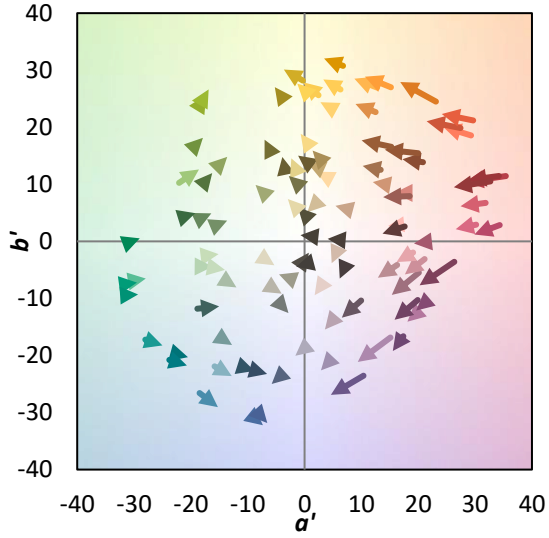


Color Vector Graphics







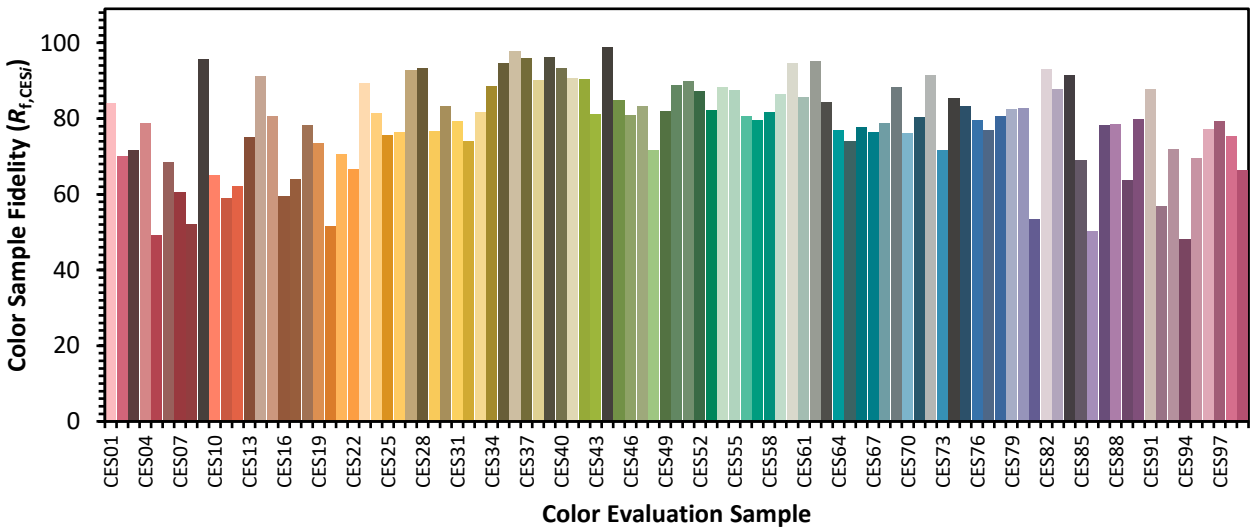


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

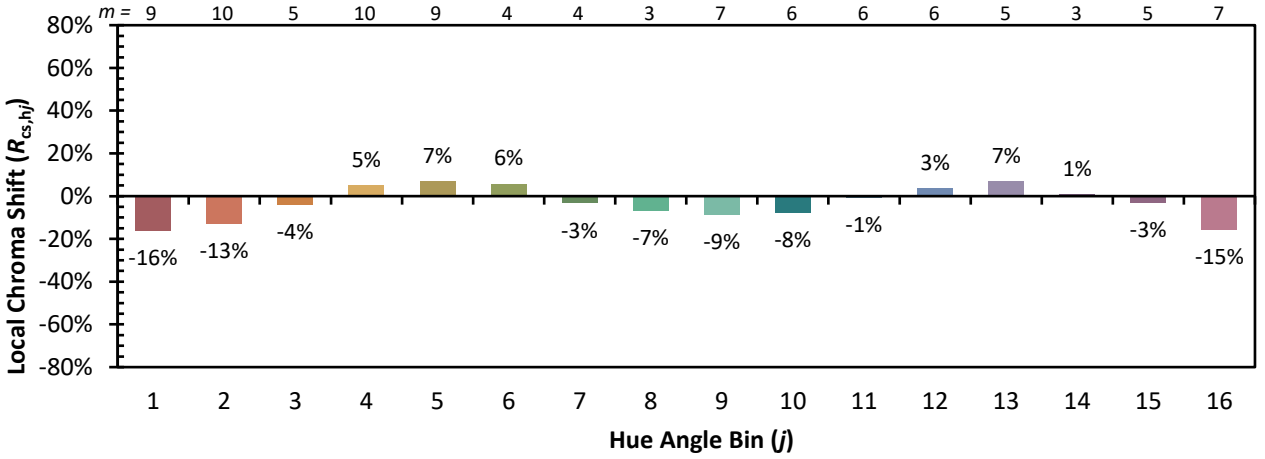
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57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

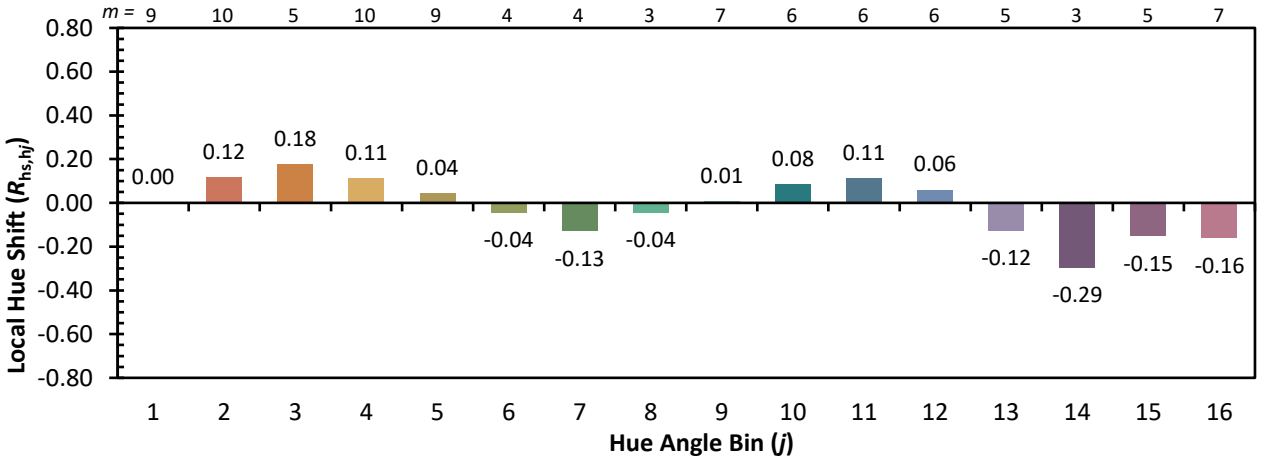


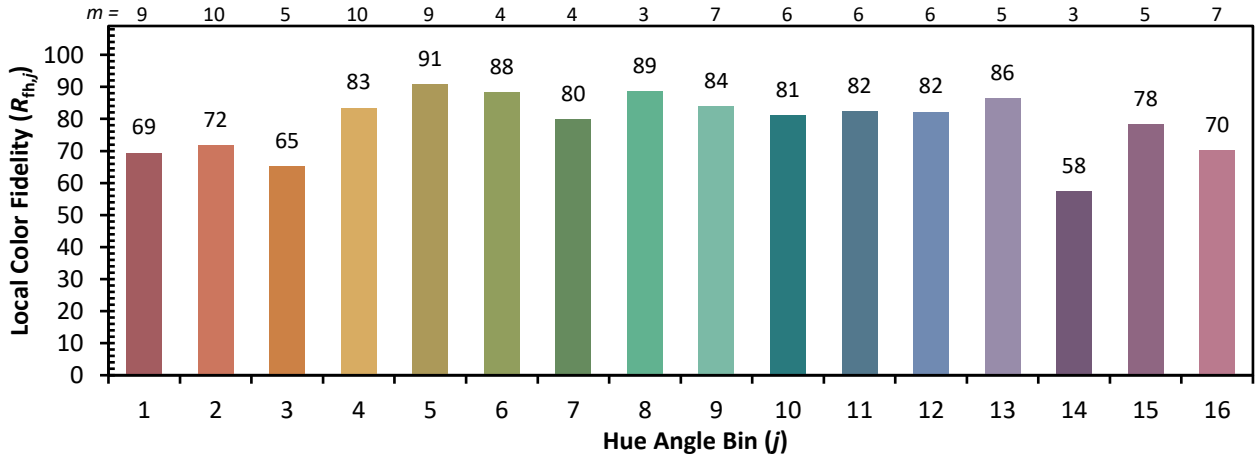
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Color Rendition by Hue-Angle Bin



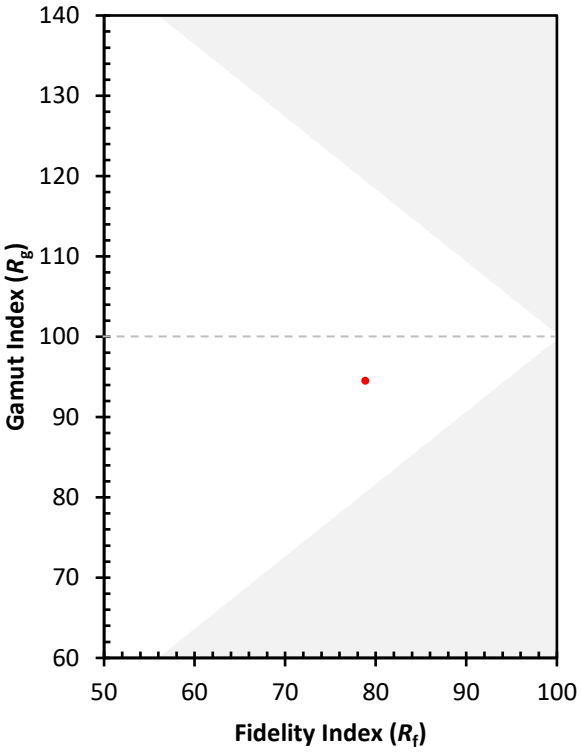


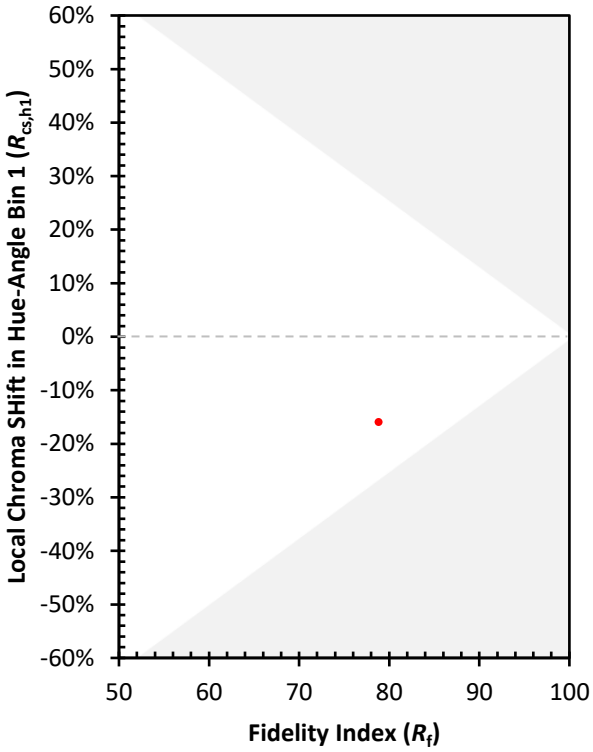


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Measure Comparisons





(END OF REPORT)