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: P1046194

Luminaire Tested: **FFX-CLB-70-727-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:	P1046194
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-FR-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9598.4 lumens
Efficiency:	N/A
Efficacy:	134.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

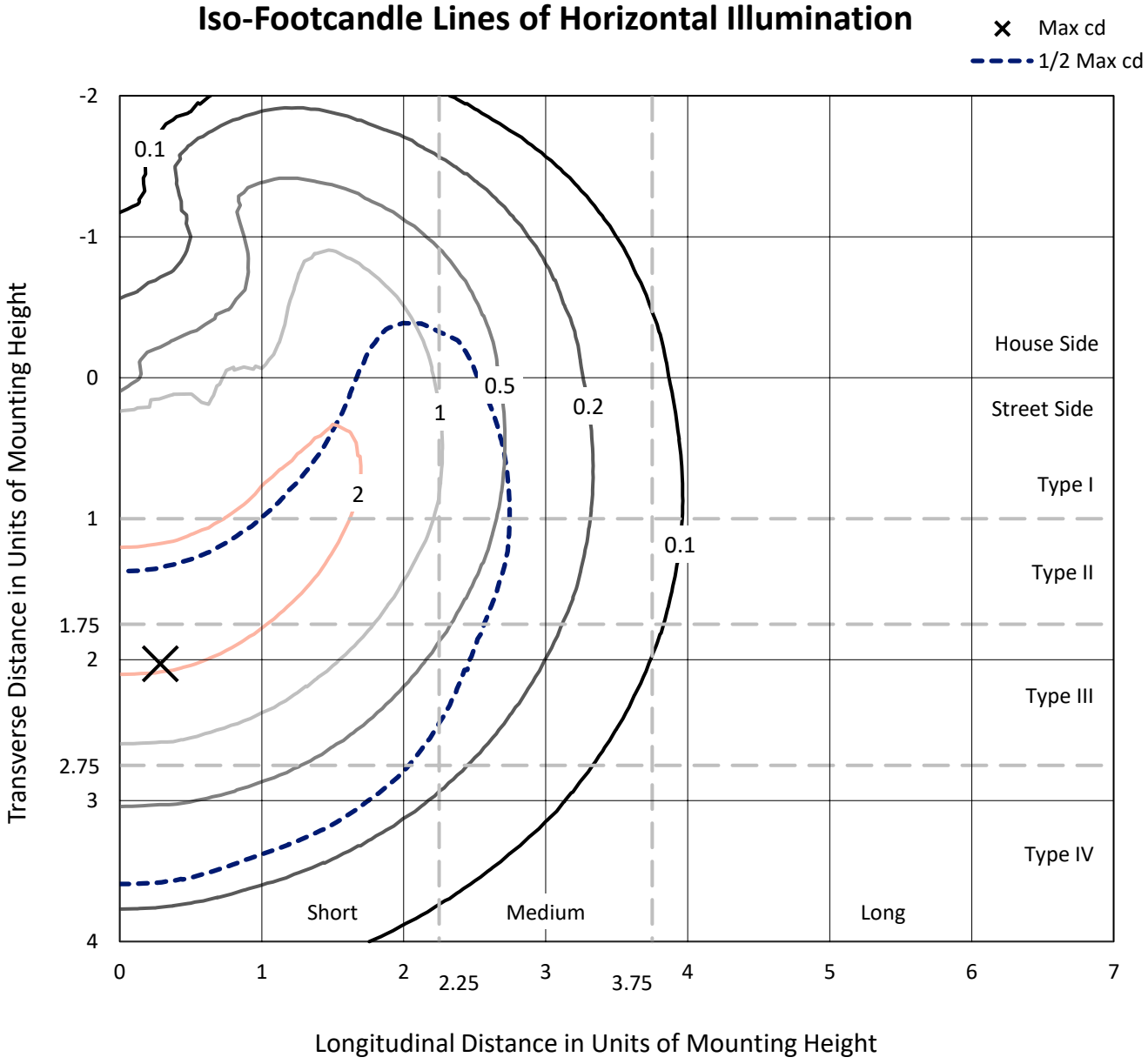


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Iso-Footcandle Lines of Horizontal Illumination



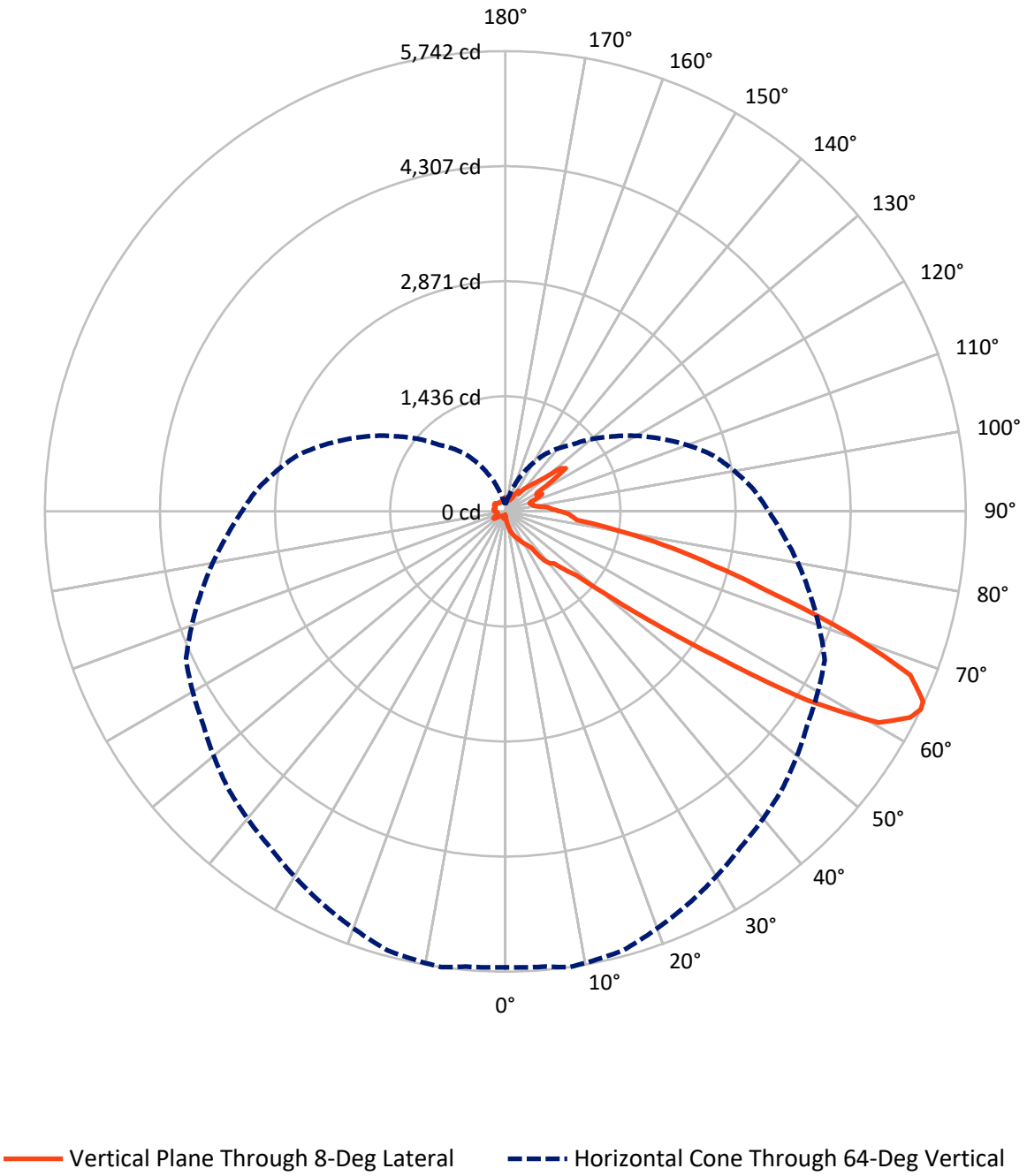
Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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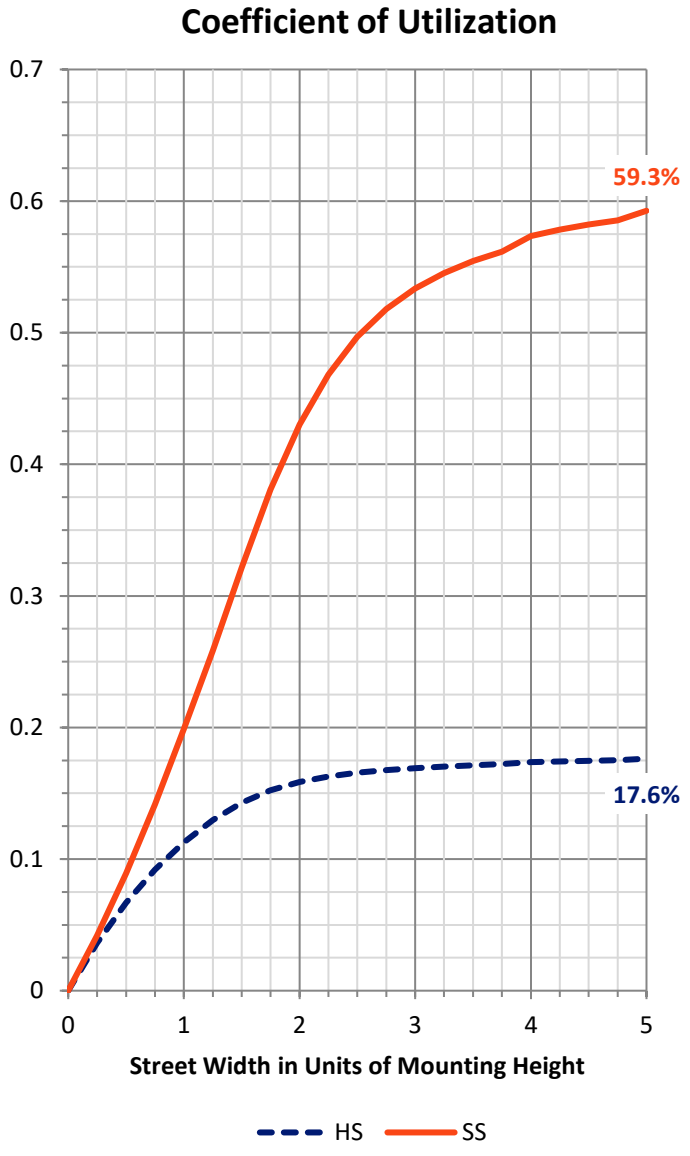
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1755.4	655.7	2411.1
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	5931.7	1255.6	7187.3
	% Fixture	61.8	13.1	74.9
Total	Lumens	7687.1	1911.3	9598.4
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.1
10°-20°	52.9	0.6
20°-30°	114.7	1.2
30°-40°	229.3	2.4
40°-50°	496.4	5.2
50°-60°	1720.6	17.9
60°-70°	2894.1	30.2
70°-80°	1573.8	16.4
80°-90°	595.7	6.2
90°-100°	375.9	3.9
100°-110°	253.6	2.6
110°-120°	274.4	2.9
120°-130°	451.5	4.7
130°-140°	278.1	2.9
140°-150°	145.4	1.5
150°-160°	75.7	0.8
160°-170°	41.2	0.4
170°-180°	15.5	0.2
0°-90°	7687.1	80.1
0°-180°	9598.4	100.0



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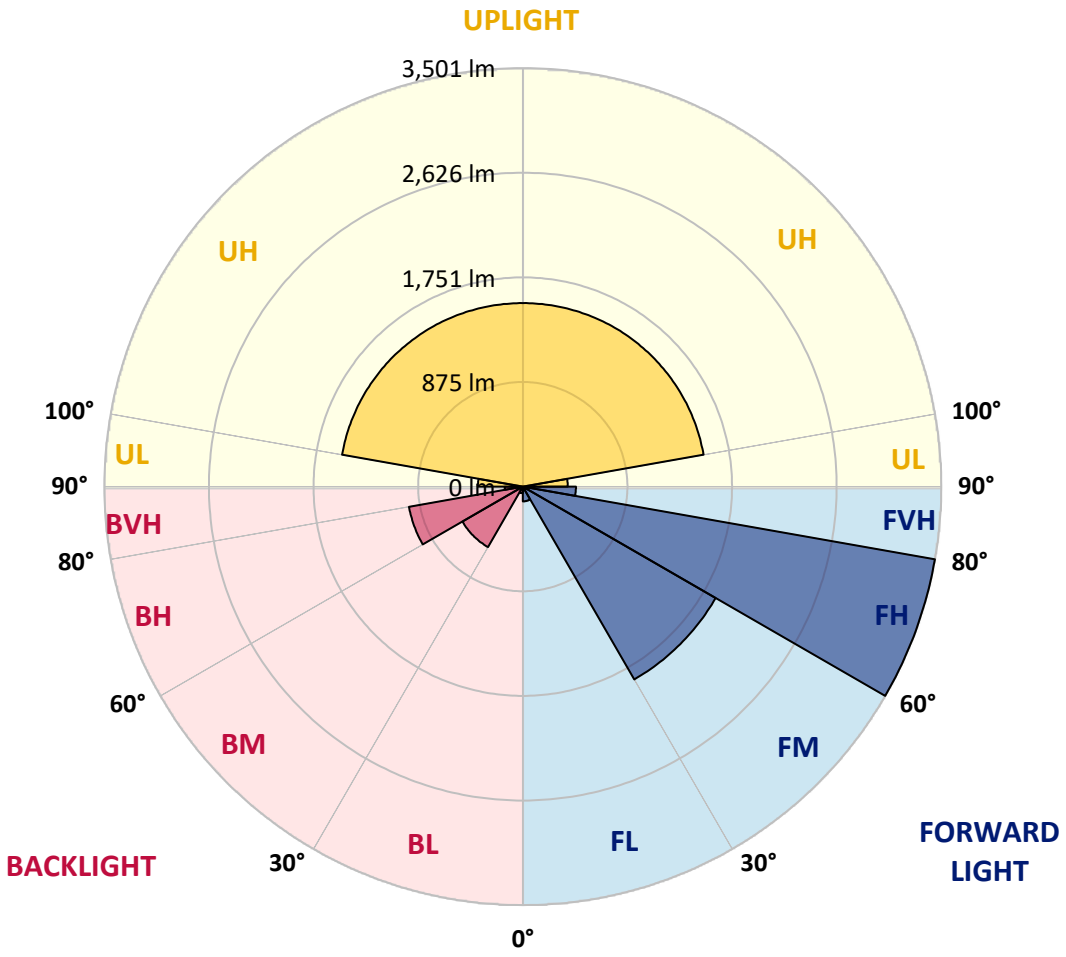
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	123.5	1.3			
FM	(30°-60°)	1862.7	19.4			
FH	(60°-80°)	3501.1	36.5			G2/5000
FVH	(80°-90°)	444.4	4.6			G3/500
BL	(0°-30°)	53.8	0.6	B0/110		
BM	(30°-60°)	583.5	6.1	B1/1000		
BH	(60°-80°)	966.7	10.1	B2/1000		G2/1000
BVH	(80°-90°)	151.3	1.6			G2/225
UL	(90°-100°)	375.9	3.9		U3/500	
UH	(100°-180°)	1535.4	16.0		U5	

BUG Rating: B2-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
0°	61.7	61.7	*61.7*	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
2.5°	67.0	67.0	*67.0*	69.0	70.3	71.0	69.0	67.7	67.0	66.4	64.4
5°	96.2	96.9	*96.9*	98.9	97.5	98.9	96.2	94.2	90.9	86.9	83.6
7.5°	136.0	136.0	*135.4*	136.0	135.4	132.7	132.7	134.7	129.4	121.4	114.1
10°	184.5	185.8	*185.1*	182.5	178.5	175.2	175.2	177.8	169.9	155.9	145.3
12.5°	233.6	236.2	*233.6*	234.2	227.6	224.9	219.6	218.3	207.7	194.4	175.8
15°	270.1	272.1	*272.7*	274.7	274.0	265.4	256.1	246.2	237.5	225.6	206.4
17.5°	299.3	299.9	*301.2*	300.6	296.6	288.0	277.4	266.7	252.8	240.2	222.3
20°	327.8	330.4	*329.8*	329.1	327.1	320.5	307.9	292.6	280.7	262.1	243.5
22.5°	357.0	355.0	*356.3*	355.7	355.7	349.0	335.8	317.8	301.9	283.3	266.7
25°	390.8	390.2	*390.8*	388.8	386.2	382.9	366.3	345.7	327.8	308.5	285.3
27.5°	426.7	427.3	*428.0*	424.7	421.3	416.0	392.2	371.6	352.3	328.5	295.9
30°	466.5	464.5	*465.1*	460.5	458.5	441.9	418.7	394.1	372.9	341.1	309.2
32.5°	503.0	499.6	*499.0*	495.0	491.7	467.8	443.9	420.0	394.8	362.3	334.4
35°	554.1	560.7	*558.0*	558.0	566.7	530.2	502.3	479.1	451.9	418.0	388.8
37.5°	762.4	761.1	*753.1*	742.5	712.6	686.8	674.2	637.7	593.9	556.7	510.3
40°	863.3	859.3	*850.7*	829.4	808.2	777.7	758.4	735.9	713.3	647.6	573.3
42.5°	887.2	883.8	*885.8*	911.0	938.9	916.4	841.4	759.8	719.9	675.5	638.3
45°	1017.9	1029.2	*1032.5*	1031.8	1011.9	988.0	955.5	906.4	837.4	774.4	696.7
47.5°	1183.8	1182.4	*1190.4*	1179.8	1196.4	1154.6	1112.8	1061.7	990.0	904.4	811.5
50°	1617.7	1603.8	*1605.8*	1609.8	1584.5	1554.0	1516.2	1487.7	1347.7	1226.2	1084.9
52.5°	2307.1	2309.1	*2294.5*	2293.9	2218.9	2159.8	2093.5	2096.1	1890.4	1727.2	1522.8
55°	3242.7	3244.1	*3191.6*	3234.8	3150.5	3142.5	2995.9	2806.8	2530.1	2307.8	2102.1
57.5°	4407.9	4447.7	*4443.1*	4366.1	4237.4	4167.7	3930.8	3732.4	3340.9	2991.9	2712.6
60°	5400.6	5382.0	*5351.5*	5293.1	4907.6	4745.7	4571.1	4401.9	4077.5	3594.4	3176.4
62.5°	5683.9	5670.0	*5664.7*	5635.5	5330.9	5064.2	4844.5	4567.8	4350.8	3877.1	3451.1
64°	*5688.6*	*5701.2*	*5742.3*	*5672.6*	*5401.9*	*5117.2*	*4889.6*	*4607.0*	*4396.0*	*3928.8*	*3484.3*
65°	5677.9	5675.3	*5727.0*	5638.8	5398.6	5114.6	4861.8	4591.1	4382.0	3914.9	3475.6
67.5°	5393.3	5382.0	*5448.3*	5334.9	5125.2	4869.1	4620.9	4330.3	4146.5	3697.9	3272.6
70°	4425.8	4425.2	*4528.7*	4433.8	4371.4	4100.0	3846.6	3579.8	3383.4	3015.1	2659.5
72.5°	3391.4	3385.4	*3454.4*	3383.4	3351.6	3223.5	2986.6	2751.0	2563.9	2287.9	1999.9
75°	2702.6	2705.3	*2668.8*	2599.1	2573.2	2516.2	2410.7	2270.0	2113.4	1862.6	1597.1
77.5°	2023.8	2010.5	*2026.5*	1928.9	1921.6	1904.4	1903.7	1813.5	1680.8	1520.8	1310.5
80°	1349.0	1356.9	*1385.5*	1359.6	1366.9	1360.9	1398.1	1302.5	1201.7	1107.5	995.3
82.5°	872.6	893.8	*901.8*	937.6	968.8	982.7	931.6	835.4	772.4	737.9	688.1
85°	837.4	846.0	*841.4*	820.1	809.5	792.3	791.6	761.1	728.6	662.2	581.3
87.5°	772.4	782.3	*778.3*	759.8	735.9	733.9	729.2	708.0	692.7	640.3	568.7
90°	658.9	659.6	*662.9*	659.6	654.9	651.6	625.1	612.4	603.2	558.0	509.6
92.5°	571.3	579.3	*577.3*	571.3	556.0	565.3	536.8	512.9	507.6	476.4	439.3
95°	524.9	530.2	*531.5*	520.9	506.3	503.0	481.1	462.5	453.9	433.3	388.2
97.5°	435.3	432.0	*429.3*	426.7	416.7	406.1	392.2	368.9	361.6	339.1	313.9
100°	371.6	372.9	*371.6*	369.6	361.0	355.7	345.7	327.1	319.2	304.6	287.3
102.5°	354.3	355.0	*355.0*	355.7	341.1	329.1	318.5	305.2	297.9	285.3	268.7
105°	338.4	338.4	*339.7*	340.4	325.8	308.5	293.3	286.0	282.7	268.1	250.8
107.5°	318.5	317.8	*319.8*	311.2	296.6	289.3	273.4	264.8	263.4	252.1	234.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	347.7	340.4	*339.1*	317.8	297.9	281.3	273.4	265.4	260.8	245.5	234.2
112.5°	455.2	445.2	*442.6*	422.7	353.0	347.0	339.7	337.1	334.4	313.9	294.6
115°	501.6	501.6	*509.6*	501.6	453.2	398.1	390.2	378.2	382.9	357.6	329.8
117.5°	401.4	429.3	*437.3*	413.4	415.4	380.2	325.8	307.2	297.9	290.6	303.2
120°	450.5	469.1	*461.2*	417.4	397.5	376.9	379.5	372.9	339.7	293.9	298.6
122.5°	671.5	688.8	*694.7*	698.0	707.3	693.4	662.2	618.4	585.2	530.2	499.0
125°	940.2	927.6	*926.3*	932.3	939.6	921.7	908.4	899.8	879.2	806.9	705.3
127.5°	863.3	857.3	*867.3*	865.9	883.8	853.3	847.3	852.0	844.0	803.6	744.5
130°	619.1	629.7	*637.0*	660.9	696.1	668.9	643.6	605.8	603.2	623.1	591.9
132.5°	519.6	524.2	*537.5*	568.7	595.2	583.9	546.8	510.3	507.6	524.2	521.5
135°	459.2	462.5	*464.5*	465.8	461.2	471.8	463.8	450.5	441.9	442.6	434.6
137.5°	410.1	411.4	*410.1*	399.5	386.8	384.9	404.8	405.4	397.5	383.5	372.9
140°	355.7	355.7	*350.4*	343.1	341.1	341.7	353.0	355.0	345.7	334.4	318.5
142.5°	278.0	274.7	*275.4*	287.3	308.5	303.9	289.3	270.7	268.1	281.3	276.0
145°	300.6	299.9	*297.9*	298.6	293.3	284.7	279.4	273.4	262.8	254.1	245.5
147.5°	303.2	300.6	*301.9*	299.3	296.6	292.6	290.6	293.3	290.6	284.7	273.4
150°	239.5	240.9	*242.2*	238.9	241.5	242.9	241.5	239.5	242.9	235.6	230.9
152.5°	187.1	186.5	*185.8*	187.1	186.5	189.1	189.8	189.1	187.8	187.1	179.8
155°	175.8	177.8	*176.5*	172.5	175.2	177.2	179.8	181.8	179.8	176.5	169.9
157.5°	161.9	161.9	*161.9*	161.9	162.6	163.2	166.5	167.9	167.9	165.9	161.2
160°	150.6	151.3	*151.3*	151.3	152.6	153.9	155.9	157.3	158.6	157.3	154.6
162.5°	144.0	143.3	*143.3*	144.0	144.0	146.0	148.0	150.6	151.3	150.0	150.0
165°	140.0	140.0	*140.0*	140.7	142.0	143.3	146.0	146.6	147.3	148.6	148.6
167.5°	144.7	144.7	*144.7*	145.3	146.6	148.6	150.0	151.3	153.9	154.6	154.6
170°	152.0	152.0	*152.0*	152.6	153.3	153.9	154.6	155.9	156.6	157.9	157.3
172.5°	159.3	158.6	*159.3*	159.3	159.3	159.3	159.3	159.9	160.6	160.6	160.6
175°	167.2	167.2	*167.9*	167.2	165.9	165.9	165.9	166.5	166.5	166.5	165.9
177.5°	175.2	175.2	*174.5*	175.2	174.5	173.8	173.2	172.5	171.2	171.2	169.9
180°	170.5	170.5	*170.5*	170.5	170.5	170.5	170.5	170.5	170.5	170.5	170.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
2.5°	63.0	60.4	57.1	53.1	49.1	46.4	43.8	40.5	38.5	37.8	37.8
5°	79.6	77.6	74.3	69.0	65.7	59.7	54.4	51.1	47.8	44.5	41.8
7.5°	111.5	110.8	112.8	116.8	111.5	97.5	82.9	75.0	75.6	79.6	81.6
10°	140.0	136.0	136.7	146.0	137.4	110.8	90.9	83.6	87.6	95.6	96.9
12.5°	169.9	163.9	159.3	157.3	138.0	108.2	90.2	81.6	83.6	90.2	90.2
15°	197.1	189.8	179.2	165.2	142.7	116.1	94.2	81.6	81.6	81.0	79.6
17.5°	212.3	204.4	185.1	163.2	138.7	114.8	92.2	79.6	73.0	67.7	67.0
20°	236.2	232.2	207.7	176.5	142.7	112.1	88.9	76.3	69.0	65.0	63.7
22.5°	259.4	248.2	216.3	184.5	146.0	111.5	87.6	75.6	69.0	65.7	64.4
25°	272.1	258.1	226.3	193.8	150.6	112.1	88.9	77.0	69.7	66.4	65.7
27.5°	282.0	267.4	237.5	202.4	156.6	114.8	92.9	79.0	71.0	67.0	66.4
30°	295.3	281.3	250.8	213.0	161.9	120.8	97.5	82.3	73.0	69.0	68.3
32.5°	320.5	303.2	267.4	222.3	168.5	126.7	103.5	87.6	76.3	70.3	70.3
35°	372.9	354.3	306.6	247.5	175.8	131.4	107.5	90.9	79.0	72.3	71.7
37.5°	483.1	459.8	401.4	309.9	193.8	138.0	112.1	92.9	80.3	74.3	73.0
40°	536.1	493.0	427.3	346.4	223.6	148.6	119.4	97.5	82.3	75.0	74.3
42.5°	600.5	564.7	474.4	355.7	248.2	173.2	132.0	104.2	86.3	76.3	75.6
45°	663.5	628.4	548.1	432.6	298.6	211.7	152.6	115.5	92.2	79.6	77.6
47.5°	773.7	716.0	619.7	506.3	367.6	268.1	187.8	131.4	102.2	83.6	81.0
50°	1046.4	1008.6	861.3	687.4	478.4	349.0	255.5	168.5	113.5	86.3	82.3
52.5°	1411.4	1339.7	1172.5	959.5	694.1	518.2	373.6	250.2	139.3	88.9	83.6
55°	1989.3	1877.8	1685.4	1316.5	996.0	785.6	584.6	410.7	212.3	94.9	84.3
57.5°	2607.1	2506.2	2276.6	1819.4	1349.6	1000.6	769.7	579.9	297.9	108.2	91.6
60°	3020.4	2844.6	2582.5	2140.6	1631.7	1176.5	861.3	608.5	309.2	110.8	95.6
62.5°	3257.3	3075.5	2688.0	2180.4	1682.1	1215.6	901.1	557.4	246.8	107.5	99.5
64°	*3285.2*	*3110.0*	*2689.3*	*2142.6*	*1628.3*	*1175.1*	*873.2*	*522.9*	*214.3*	*106.2*	*101.5*
65°	3263.3	3101.4	2656.8	2097.5	1556.0	1122.7	840.0	488.4	190.4	104.8	102.2
67.5°	3050.3	2908.3	2442.5	1902.4	1383.5	969.4	689.4	375.6	149.3	102.2	100.9
70°	2470.4	2405.3	2007.9	1534.8	1093.5	773.0	543.4	287.3	126.7	99.5	98.2
72.5°	1853.3	1771.0	1498.3	1171.2	852.0	601.2	412.7	221.0	112.1	96.9	95.6
75°	1485.7	1405.4	1187.7	922.3	633.7	449.2	305.2	165.2	105.5	96.2	94.9
77.5°	1228.2	1163.9	976.7	702.0	450.5	321.8	224.3	134.7	103.5	96.9	95.6
80°	944.9	934.3	763.1	510.9	319.2	240.2	181.1	126.1	104.2	99.5	98.2
82.5°	662.9	636.3	538.8	380.2	276.0	219.6	173.8	128.1	109.5	105.5	104.8
85°	546.1	525.5	461.2	365.6	262.8	212.3	171.9	131.4	114.8	111.5	110.1
87.5°	540.1	517.6	456.5	349.7	249.5	202.4	163.9	128.1	114.1	112.1	113.5
90°	490.4	473.8	417.4	322.5	247.5	205.7	171.2	141.3	126.7	120.1	118.8
92.5°	429.3	419.4	379.5	313.2	256.8	217.6	186.5	156.6	143.3	139.3	137.4
95°	374.9	370.9	338.4	284.7	236.9	205.0	176.5	150.6	139.3	134.0	133.4
97.5°	307.2	302.6	277.4	242.2	207.0	180.5	159.3	139.3	131.4	130.7	130.1
100°	280.7	277.4	259.4	236.9	209.0	189.1	170.5	153.9	147.3	147.3	148.0
102.5°	259.4	257.5	241.5	218.3	196.4	177.8	162.6	147.3	139.3	139.3	134.7
105°	242.2	238.9	224.3	205.7	183.1	165.9	151.3	140.0	131.4	128.7	128.7
107.5°	226.9	223.0	211.0	193.1	176.5	159.9	146.6	136.0	130.1	128.1	128.1

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

Scaled Data Report

REPORT NUMBER: P1046194
CATALOG NUMBER: FFX-CLB-70-727-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	227.6	224.3	210.3	191.1	175.8	163.2	152.6	142.7	137.4	133.4	133.4
112.5°	280.0	266.1	241.5	213.0	195.7	179.2	162.6	148.6	142.0	140.7	139.3
115°	317.2	303.2	272.7	235.6	204.4	181.1	164.6	153.9	148.0	152.0	153.9
117.5°	318.5	293.3	234.9	217.0	194.4	175.2	163.9	157.3	153.3	157.3	157.3
120°	324.5	273.4	242.2	234.9	208.4	181.1	168.5	167.2	163.2	155.3	155.3
122.5°	482.4	435.9	386.2	323.1	268.1	242.2	219.6	180.5	161.9	153.3	152.6
125°	664.9	616.4	538.8	454.5	374.9	292.0	217.0	185.1	165.9	155.3	153.3
127.5°	706.7	668.9	566.7	465.8	353.0	272.1	217.6	190.4	171.2	159.9	157.9
130°	570.0	540.1	471.1	388.8	310.5	251.5	212.3	185.1	166.5	155.3	152.6
132.5°	506.9	479.1	411.4	336.4	275.4	229.6	194.4	167.9	149.3	141.3	141.3
135°	424.0	404.8	344.4	299.9	256.1	217.6	183.1	158.6	143.3	138.7	138.7
137.5°	363.6	348.4	305.2	270.1	236.2	203.0	173.2	153.3	142.7	138.0	137.4
140°	311.2	301.2	276.0	241.5	209.0	176.5	153.3	142.0	137.4	135.4	134.7
142.5°	270.7	263.4	240.9	205.0	173.2	153.3	144.7	141.3	136.7	132.0	131.4
145°	236.9	230.9	205.0	184.5	169.2	161.2	154.6	144.7	133.4	127.4	126.7
147.5°	266.1	256.8	234.2	210.3	185.8	167.2	152.6	139.3	128.7	124.7	124.7
150°	228.9	222.3	208.4	189.8	169.2	152.0	139.3	130.7	126.7	126.1	126.1
152.5°	177.8	174.5	170.5	161.2	148.0	136.7	128.7	124.7	126.1	128.7	129.4
155°	167.2	165.9	161.9	153.3	144.7	134.0	127.4	125.4	127.4	130.1	130.7
157.5°	159.3	158.6	155.3	147.3	139.3	132.7	128.1	126.7	128.7	130.7	130.7
160°	152.6	152.0	147.3	141.3	135.4	130.7	127.4	127.4	129.4	130.7	130.7
162.5°	148.6	148.0	144.7	140.0	136.0	133.4	132.7	132.7	133.4	134.0	134.0
165°	148.6	148.0	144.7	140.7	138.0	138.0	139.3	140.0	138.0	136.7	137.4
167.5°	154.6	153.3	149.3	146.0	145.3	146.0	148.0	148.0	146.6	144.7	144.0
170°	156.6	155.9	154.6	153.3	153.3	153.3	153.9	154.6	154.6	155.3	155.3
172.5°	160.6	160.6	159.9	159.9	160.6	159.9	159.9	161.2	162.6	163.2	163.9
175°	165.9	165.2	165.9	165.9	166.5	165.9	165.2	166.5	168.5	169.9	169.9
177.5°	169.9	169.9	169.2	168.5	168.5	168.5	168.5	169.2	169.2	169.2	168.5
180°	170.5	170.5	170.5	170.5	170.5	170.5	170.5	170.5	170.5	170.5	170.5

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

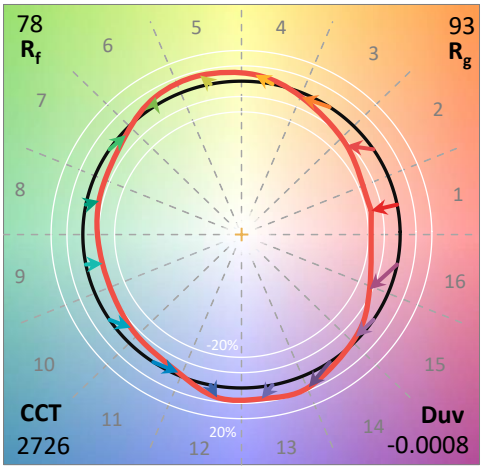
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

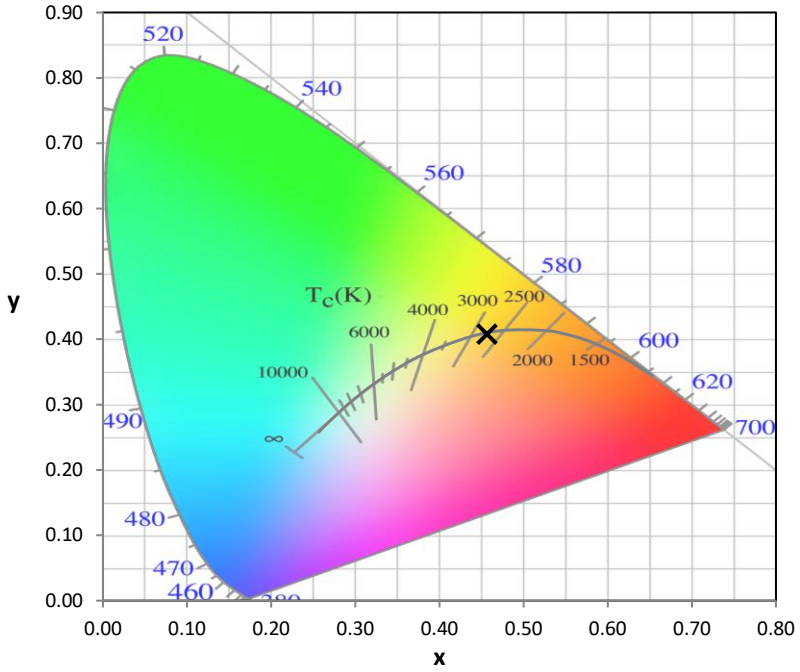
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

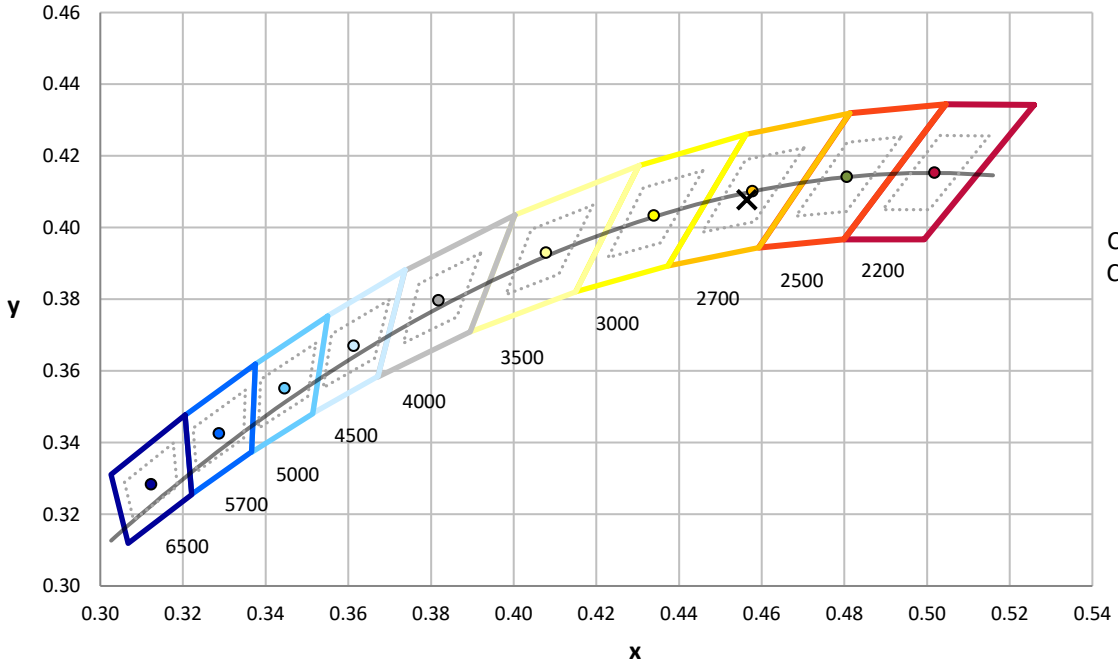
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

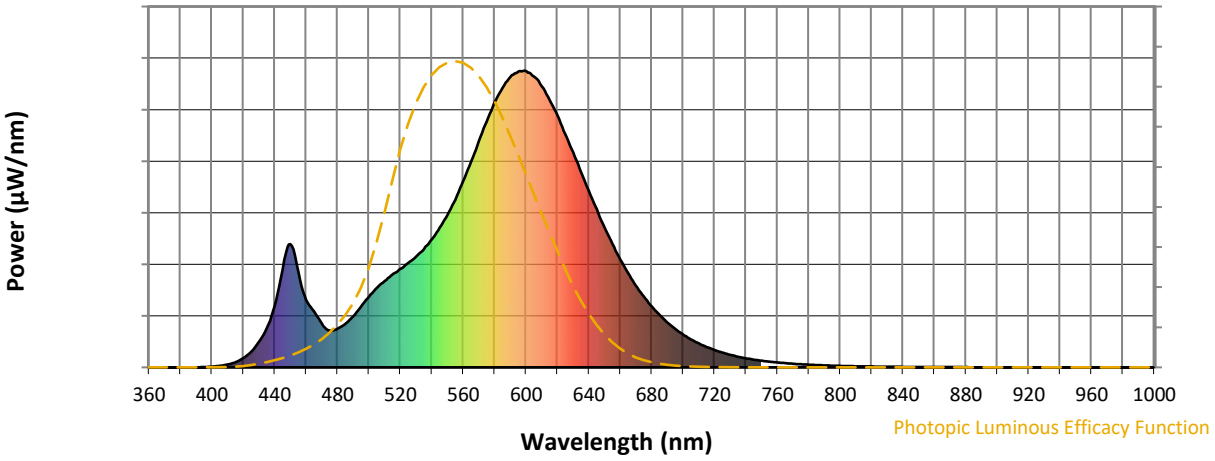


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

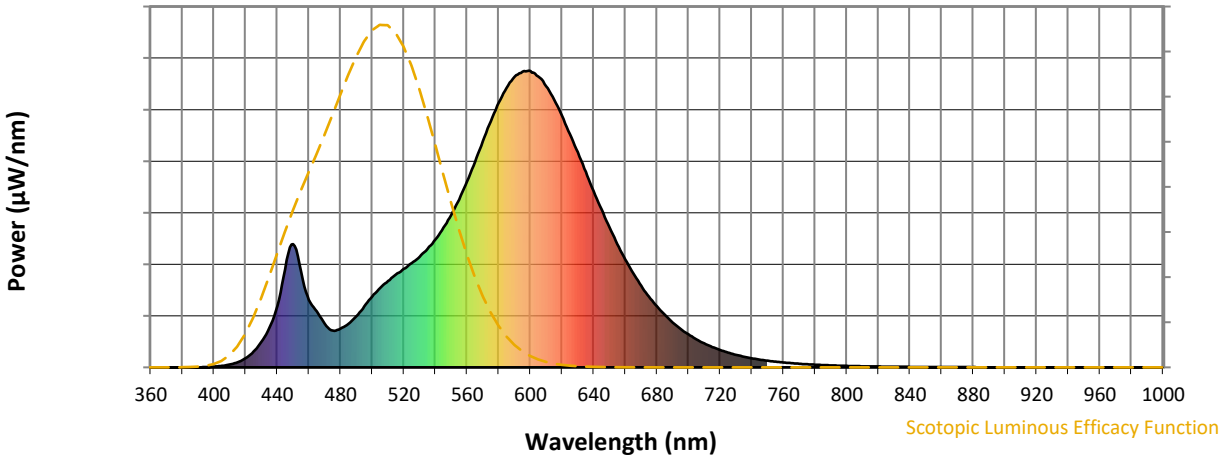


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

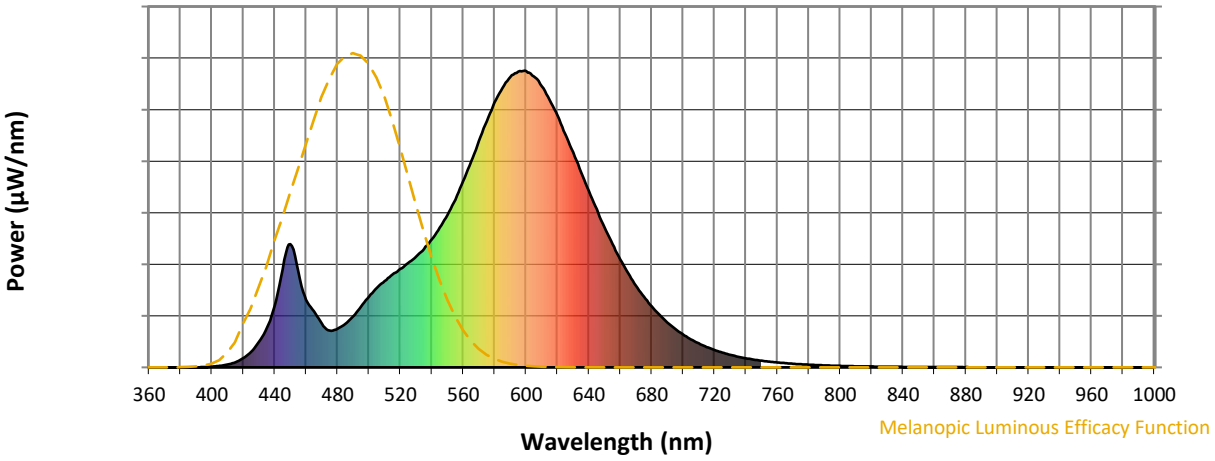


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

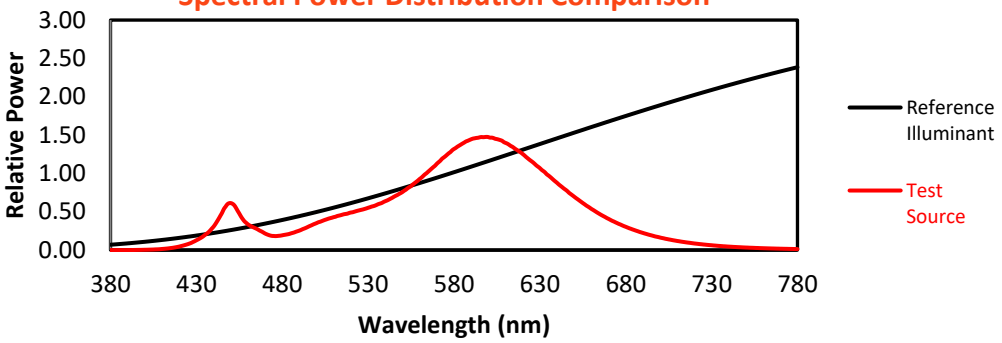
REPORT NUMBER: SP1-2501-332-3

TM-30-18

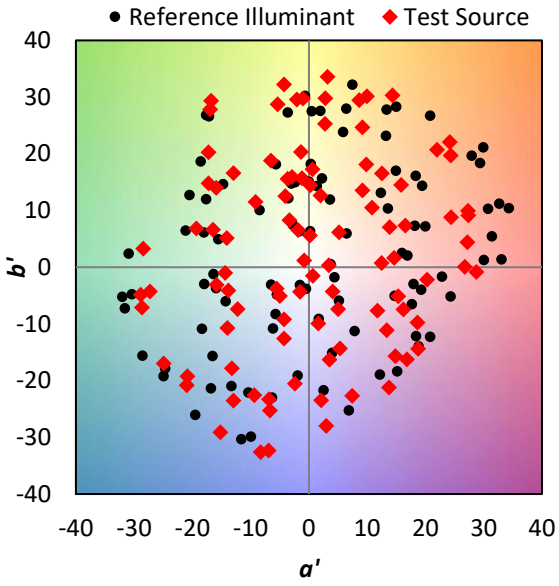
Summary

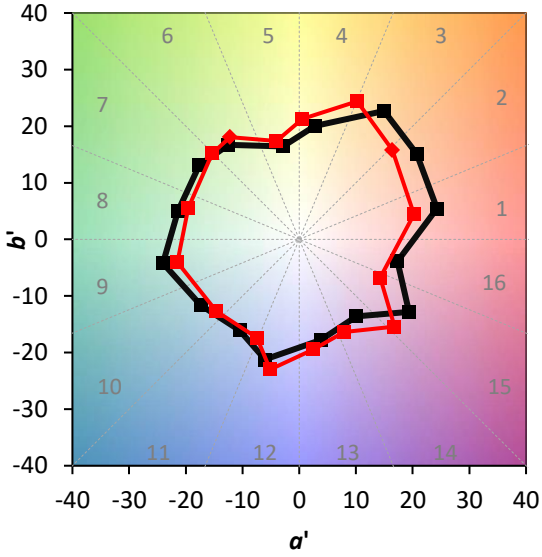
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

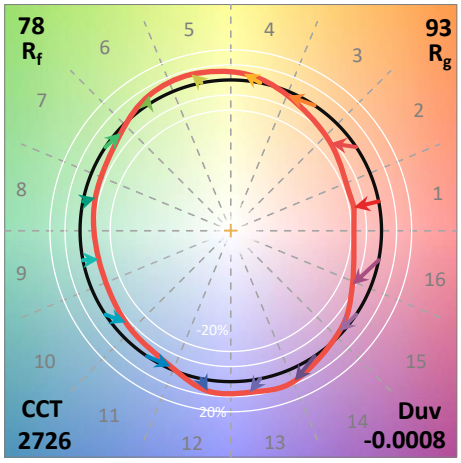
Spectral Power Distribution Comparison

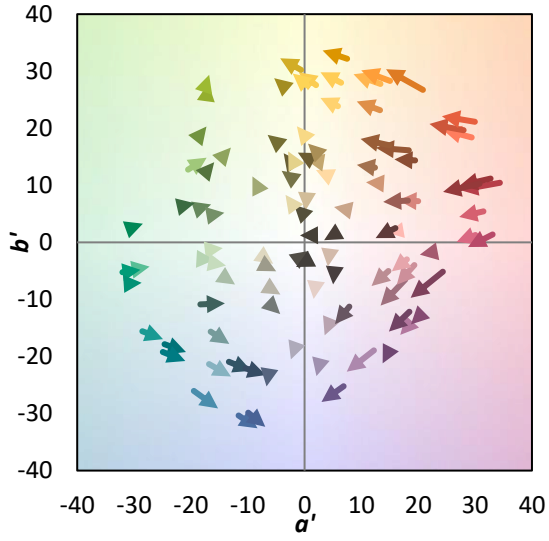


Color Vector Graphics







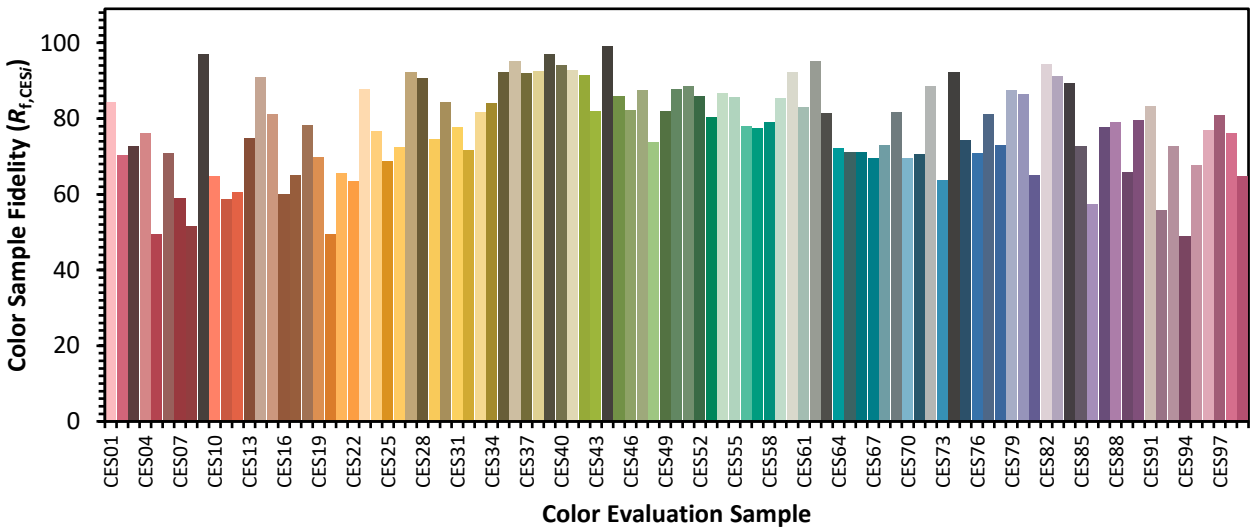


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

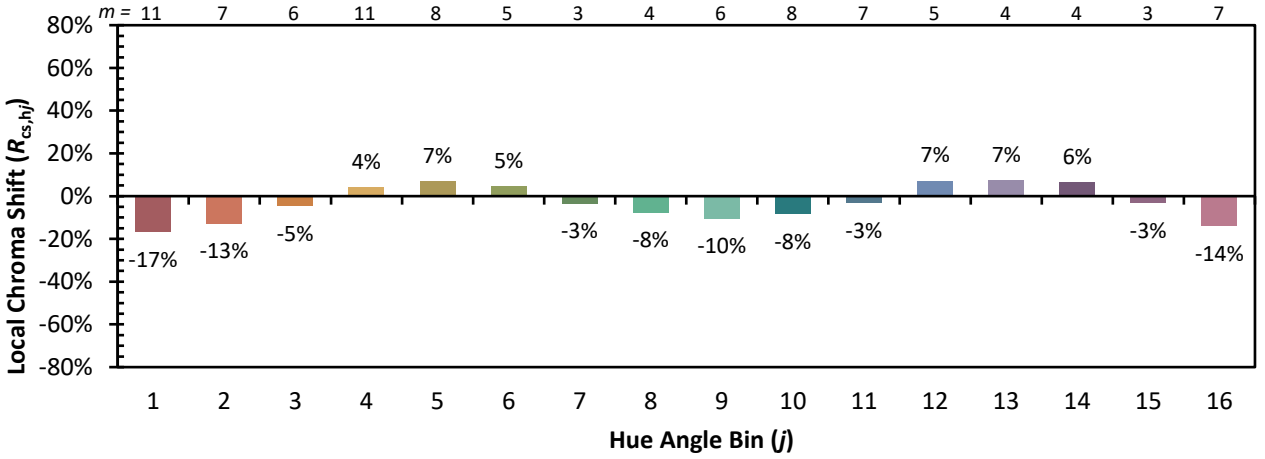
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

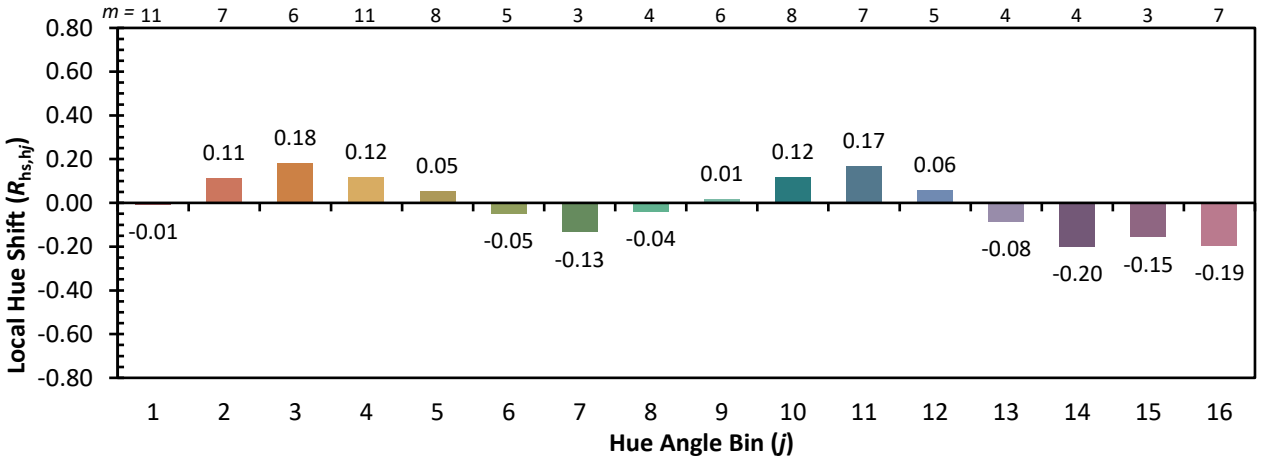


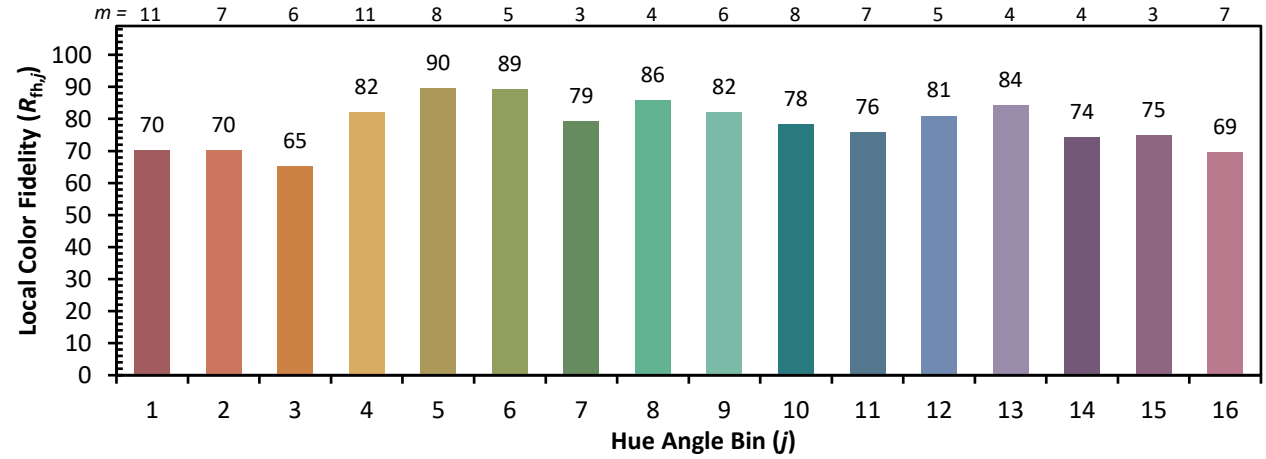
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Color Rendition by Hue-Angle Bin



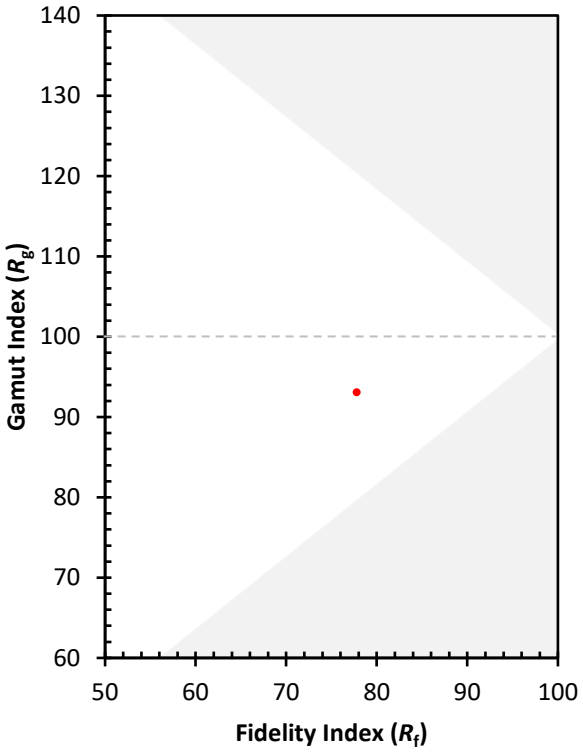


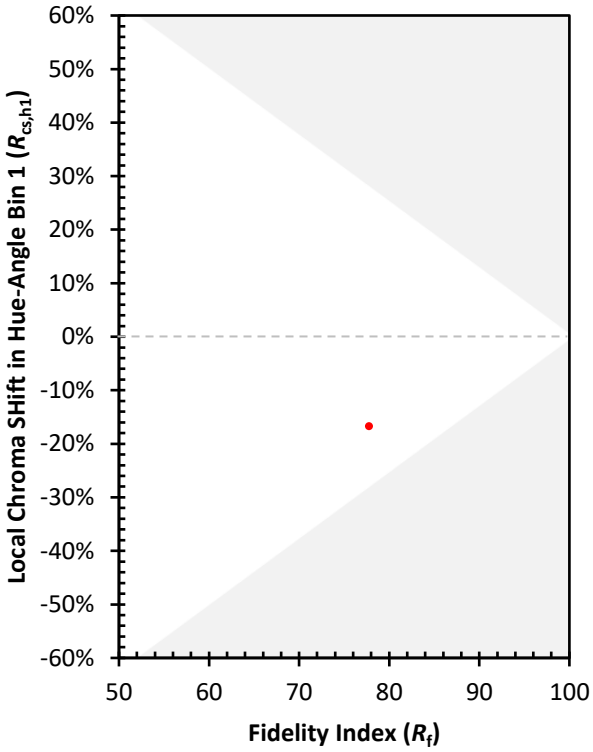


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Measure Comparisons





(END OF REPORT)