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: P1046607

Luminaire Tested: **FFX-CLB-80-730-U-FR-T3-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046607
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-FR-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11150.3 lumens
Efficiency:	N/A
Efficacy:	136.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U4 - G4

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

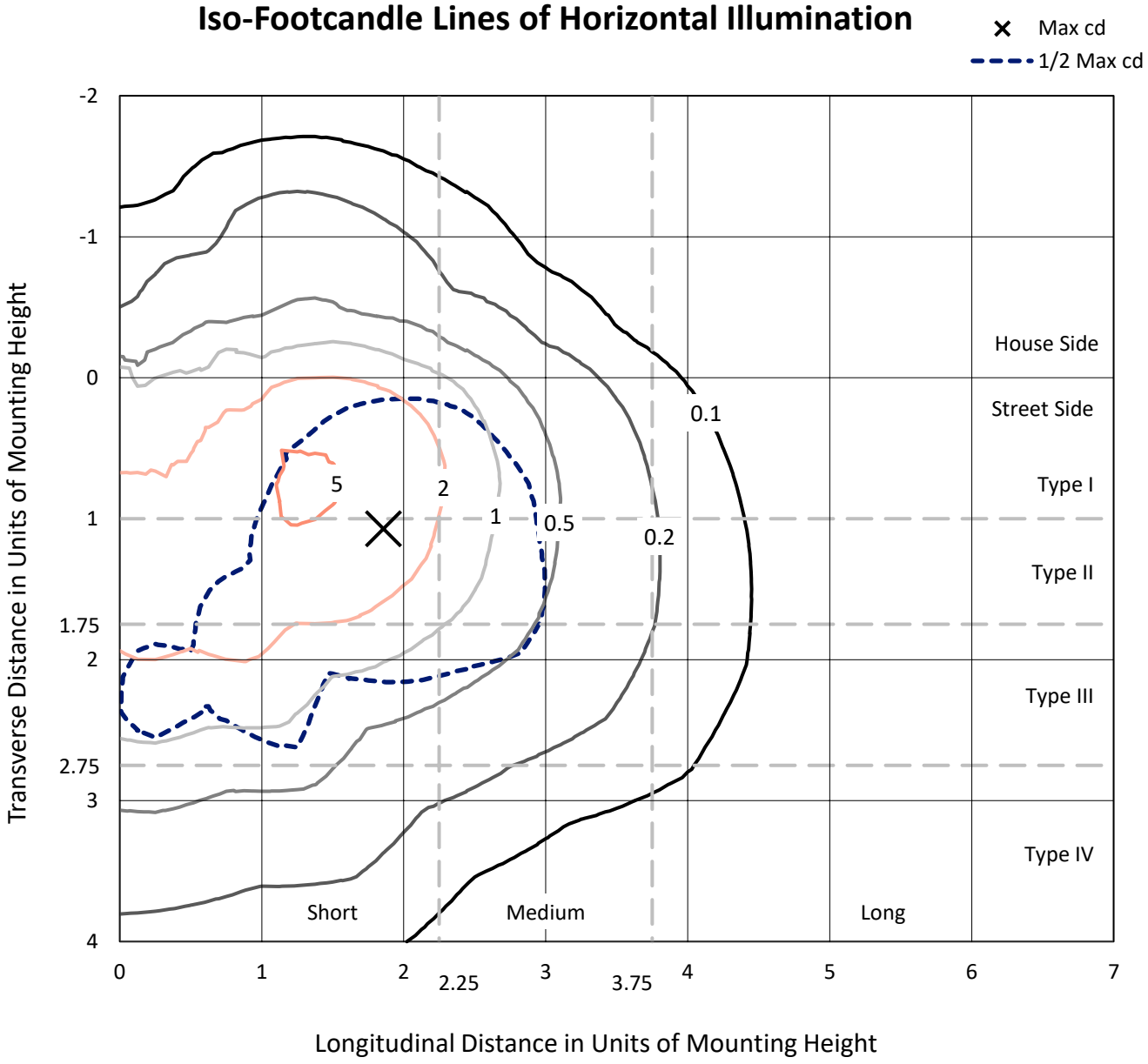


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Iso-Footcandle Lines of Horizontal Illumination



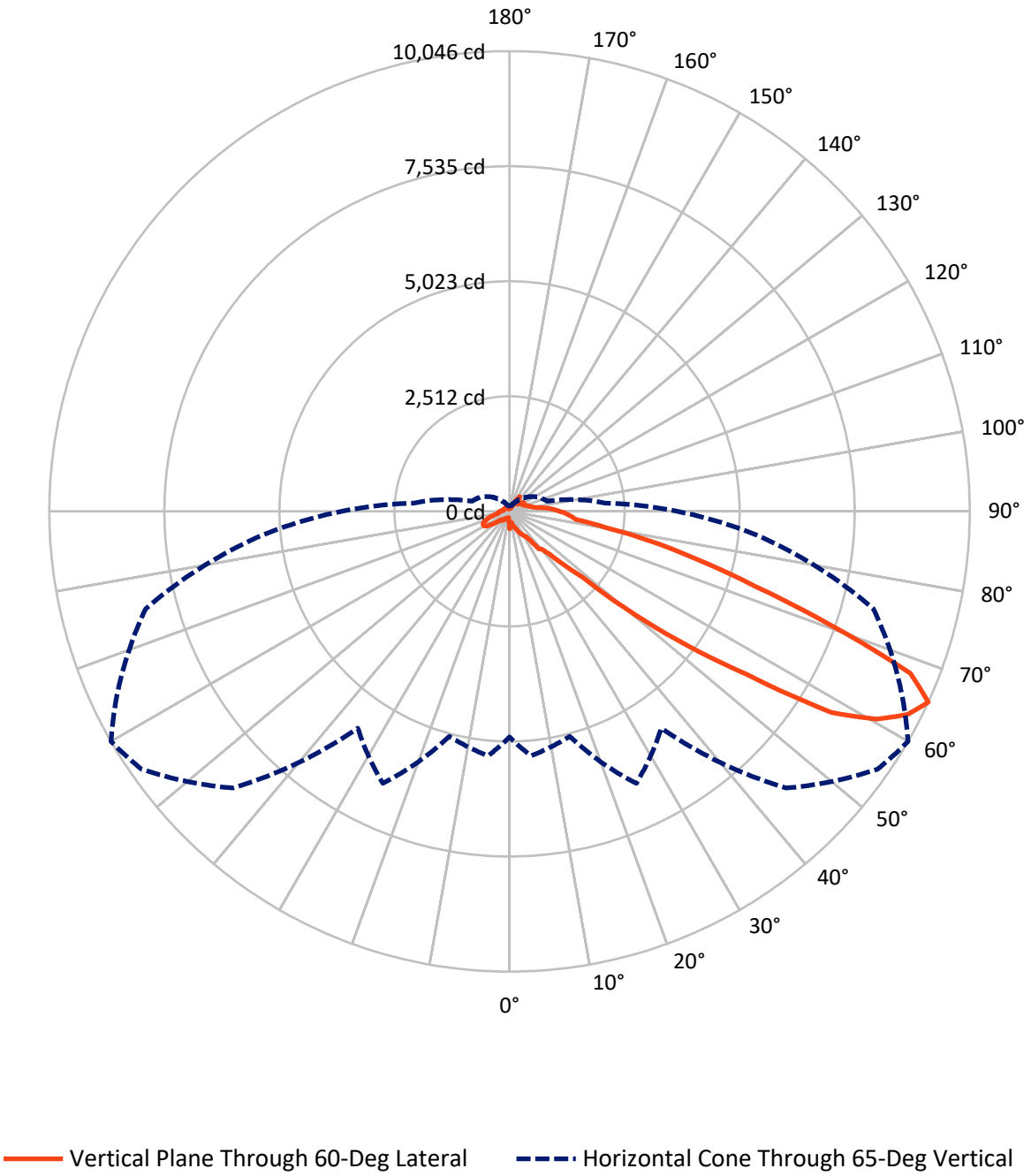
Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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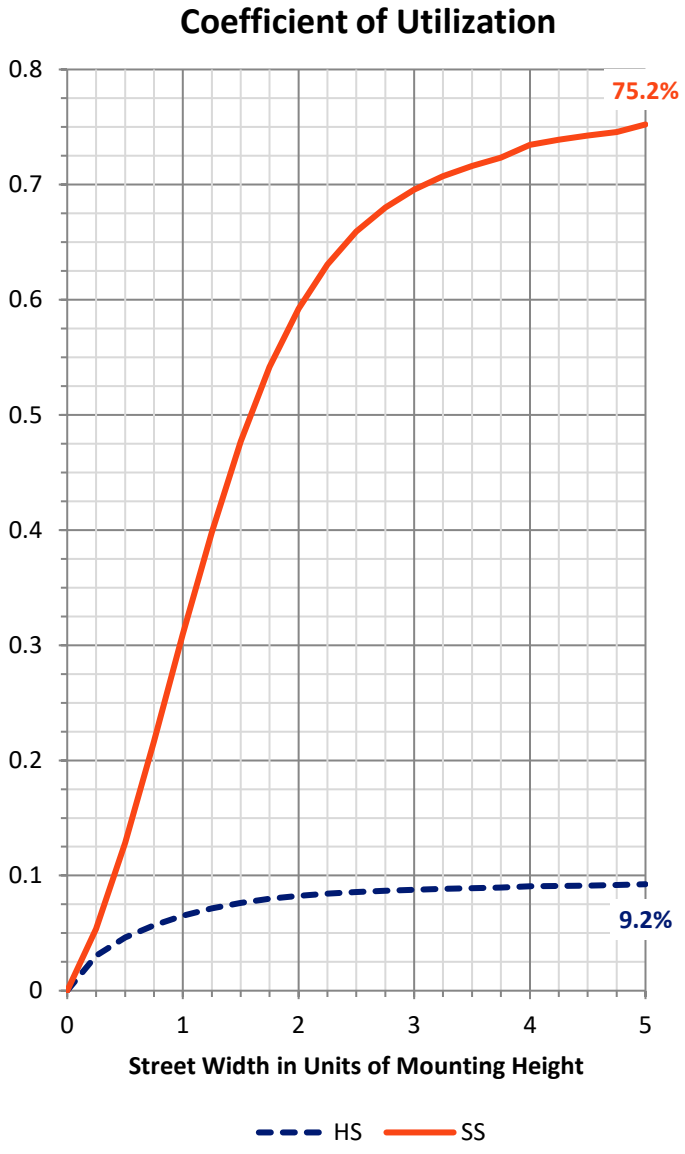
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1081.1	348.9	1430.1
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	8688.9	1031.4	9720.2
	% Fixture	77.9	9.2	87.2
Total	Lumens	9770.0	1380.3	11150.3
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.2
10°-20°	71.4	0.6
20°-30°	152.6	1.4
30°-40°	313.1	2.8
40°-50°	733.8	6.6
50°-60°	2295.2	20.6
60°-70°	3593.8	32.2
70°-80°	1901.2	17.1
80°-90°	688.4	6.2
90°-100°	415.1	3.7
100°-110°	260.0	2.3
110°-120°	210.2	1.9
120°-130°	175.3	1.6
130°-140°	127.7	1.1
140°-150°	117.4	1.1
150°-160°	48.9	0.4
160°-170°	19.5	0.2
170°-180°	6.3	0.1
0°-90°	9770.0	87.6
0°-180°	11150.3	100.0



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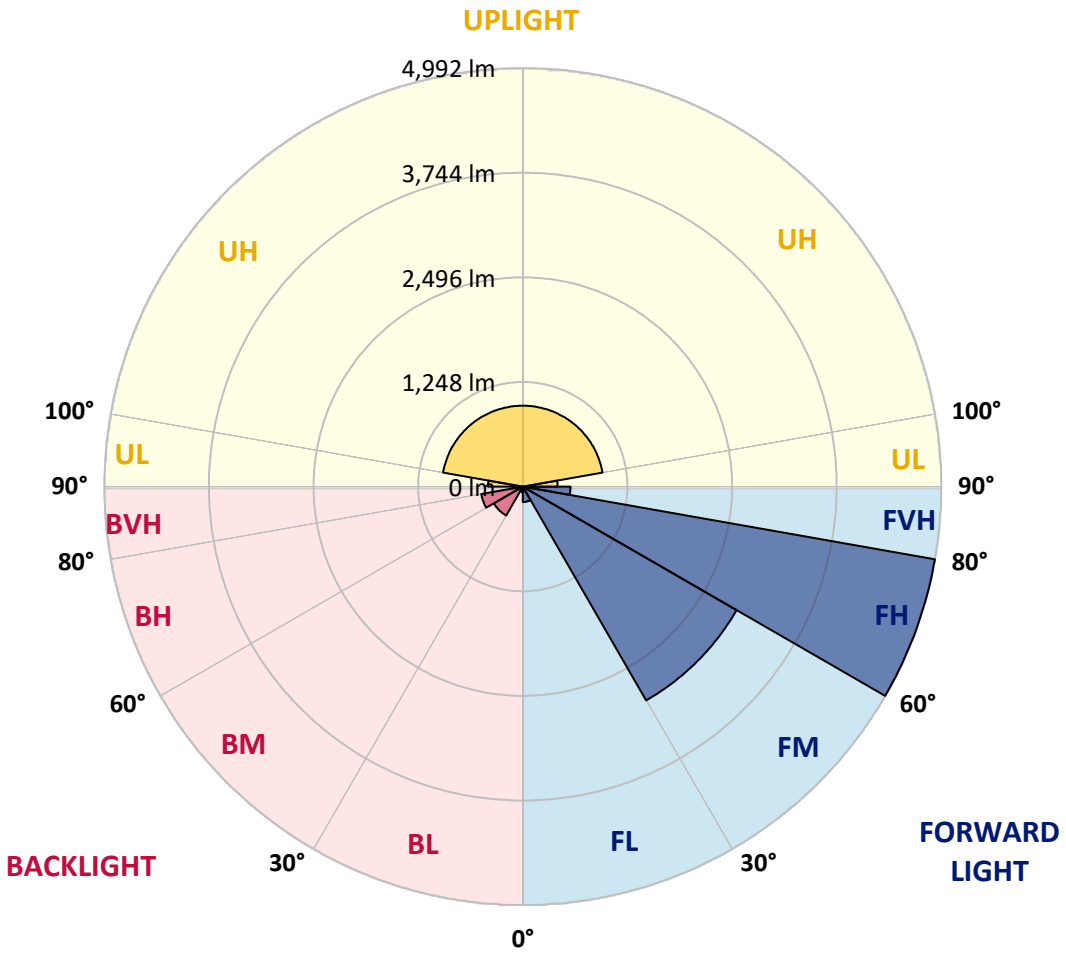
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	183.8	1.6			
FM	(30°-60°)	2944.5	26.4			
FH	(60°-80°)	4991.8	44.8			G2/5000
FVH	(80°-90°)	568.8	5.1			G4/750
BL	(0°-30°)	60.7	0.5	B0/110		
BM	(30°-60°)	397.6	3.6	B1/1000		
BH	(60°-80°)	503.3	4.5	B2/1000		G2/1000
BVH	(80°-90°)	119.6	1.1			G2/225
UL	(90°-100°)	415.1	3.7		U3/500	
UH	(100°-180°)	965.2	8.7		U4/1000	

BUG Rating: B2-U4-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	381.7	381.7	381.7	381.7	381.7	381.7	381.7	381.7	381.7	381.7	381.7
2.5°	208.8	216.9	264.2	313.2	327.0	296.8	256.9	261.8	283.8	389.0	435.5
5°	244.7	247.1	243.0	248.7	283.0	326.2	300.9	271.6	232.4	168.0	166.4
7.5°	281.4	281.4	279.7	259.3	235.7	228.3	250.4	254.4	250.4	208.8	180.2
10°	306.6	306.6	305.8	307.4	309.1	300.9	265.0	251.2	236.5	218.6	210.4
12.5°	371.9	373.5	384.1	378.4	357.2	335.2	339.3	335.2	313.2	274.8	243.0
15°	455.1	458.3	459.9	438.7	404.5	363.7	337.6	331.1	327.0	305.0	273.2
17.5°	498.3	496.6	477.1	455.1	433.0	403.7	379.2	369.4	354.7	327.0	292.8
20°	493.4	493.4	473.8	468.9	470.5	452.6	421.6	409.4	393.1	367.0	319.7
22.5°	507.2	508.1	495.8	499.9	517.8	499.9	469.7	461.6	446.1	408.6	360.5
25°	560.3	560.3	546.4	540.7	556.2	549.7	532.5	522.7	500.7	455.1	370.2
27.5°	608.4	605.1	592.1	593.7	579.0	575.7	571.7	567.6	548.0	475.4	375.1
30°	645.9	645.9	634.5	641.8	610.8	615.7	601.0	612.4	587.2	503.2	393.9
32.5°	680.1	685.0	681.0	690.7	654.0	675.2	650.0	662.2	646.7	552.9	446.9
35°	759.2	764.9	783.7	808.2	763.3	785.3	745.4	762.5	747.0	665.5	548.8
37.5°	1073.2	1064.2	1023.5	983.5	940.3	1030.8	1021.0	1037.3	1012.9	881.6	693.2
40°	1079.7	1074.8	1066.7	1041.4	959.9	1049.6	1053.6	1083.0	1156.4	946.0	749.5
42.5°	1107.5	1113.2	1210.2	1222.4	1161.3	1300.7	1262.4	1264.0	1515.2	1120.5	967.2
45°	1281.2	1281.2	1312.2	1327.6	1309.7	1710.1	1704.4	1655.5	1971.9	1397.8	1137.6
47.5°	1468.7	1474.4	1531.5	1684.8	1785.2	2164.4	2276.9	2159.5	2574.6	1834.1	1567.4
50°	2017.6	2029.0	2206.8	2341.3	2529.7	3168.3	3722.0	3543.4	4195.0	2798.0	2361.7
52.5°	2414.7	2556.6	2654.5	3160.9	3234.3	4215.4	4929.8	4868.6	5305.7	3872.9	2866.5
55°	2873.9	3094.9	3160.1	3945.4	4076.7	5439.4	6180.7	6289.2	6316.1	5006.4	3369.7
57.5°	3629.8	3972.3	3984.6	4814.8	4837.6	6856.8	8036.8	8275.8	8003.4	6325.9	4163.2
60°	4252.9	4654.1	4519.6	5649.8	5423.1	8003.4	8939.6	9210.4	8704.7	7453.8	4717.7
62.5°	4638.6	5026.0	4849.0	6237.0	5775.4	8495.2	9478.7	9756.8	9200.6	8053.2	5144.2
65°	4926.5	5356.3	5083.9	6550.2	5774.6	8539.2	9811.4	10046.3	9450.9	8225.2	5269.8
67.5°	4932.2	5317.9	4977.9	6438.4	5390.5	7841.9	9291.9	9440.3	8779.8	7614.4	4896.3
70°	4311.6	4588.9	4211.3	5433.7	4348.3	5951.6	7256.4	7432.6	6767.9	5853.7	3793.7
72.5°	3607.8	3716.3	3342.0	4345.8	3405.6	4504.1	5547.1	5613.2	5261.7	4385.0	2932.6
75°	2833.1	2791.5	2597.4	3240.0	2589.2	3191.1	4356.5	4292.8	4099.6	3227.0	2237.8
77.5°	1890.4	1812.9	1822.7	2223.1	1808.8	2111.4	3172.3	3174.8	3107.1	2392.7	1596.0
80°	1153.1	1155.6	1123.8	1410.0	1193.9	1403.5	2186.4	2114.6	2116.2	1578.0	1117.2
82.5°	902.0	916.6	876.7	1016.1	940.3	1116.4	1428.8	1468.7	1425.5	1158.8	822.8
85°	885.6	898.7	857.1	943.5	893.8	1066.7	1344.0	1340.7	1317.9	1074.8	778.0
87.5°	811.4	826.9	795.9	856.3	818.0	987.6	1237.1	1220.8	1198.8	1011.2	742.1
90°	685.0	713.6	692.4	767.4	714.4	849.8	1075.7	1069.1	1057.7	893.8	660.6
92.5°	623.0	628.8	613.3	681.0	622.2	744.6	955.0	934.6	909.3	775.5	562.7
95°	557.8	555.4	540.7	595.3	543.1	623.0	811.4	780.4	767.4	654.9	469.7
97.5°	446.9	447.7	440.4	477.9	440.4	497.5	609.2	597.8	571.7	489.3	359.6
100°	391.4	393.9	389.0	418.4	386.6	423.2	507.2	504.8	483.6	417.5	314.0
102.5°	370.2	371.1	377.6	395.5	365.3	392.3	462.4	463.2	449.3	389.0	295.2
105°	355.6	354.7	359.6	374.3	348.2	367.8	432.2	432.2	412.6	367.0	279.7
107.5°	344.1	342.5	350.7	362.9	345.0	350.7	400.4	403.7	384.9	341.7	265.9
110°	331.1	330.3	344.1	353.1	336.0	336.8	380.0	377.6	360.5	332.7	261.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	336.0	340.9	356.4	331.1	305.8	307.4	340.9	*345.0*	332.7	304.2	248.7
115°	331.9	336.8	357.2	321.3	283.8	293.6	321.3	*324.6*	306.6	283.0	234.1
117.5°	317.2	318.9	331.1	322.1	283.0	294.4	308.3	*314.0*	300.9	283.0	236.5
120°	375.1	362.9	362.9	349.0	305.0	325.4	351.5	*356.4*	344.1	310.7	235.7
122.5°	345.0	340.9	341.7	323.8	301.7	318.9	349.9	*358.0*	347.4	314.0	235.7
125°	271.6	272.4	268.3	274.0	265.0	270.7	287.1	*300.1*	290.3	272.4	224.3
127.5°	247.1	246.3	241.4	265.9	238.1	249.5	265.0	*272.4*	262.6	242.2	203.1
130°	240.6	240.6	254.4	279.7	263.4	258.5	252.8	*260.1*	258.5	245.5	203.1
132.5°	225.1	225.9	246.3	278.9	272.4	249.5	229.2	*233.2*	240.6	243.8	214.5
135°	225.1	222.6	216.1	223.4	219.4	225.1	219.4	*225.1*	226.7	225.1	187.6
137.5°	239.8	238.1	221.8	212.0	212.8	230.8	231.6	*234.1*	231.6	218.6	181.9
140°	234.9	229.2	217.7	213.7	214.5	233.2	240.6	*242.2*	239.8	214.5	171.3
142.5°	226.7	226.7	230.0	234.9	242.2	329.5	306.6	*327.8*	328.7	302.6	176.2
145°	325.4	328.7	318.9	308.3	334.4	396.3	372.7	*395.5*	411.0	382.5	243.0
147.5°	293.6	298.5	292.8	283.8	318.0	318.9	304.2	*306.6*	310.7	317.2	245.5
150°	208.0	202.2	211.2	204.7	238.9	237.3	216.9	*221.8*	230.8	231.6	195.7
152.5°	154.1	151.7	150.1	149.2	172.1	158.2	150.9	*148.4*	150.1	149.2	140.3
155°	136.2	136.2	135.4	139.5	151.7	141.9	134.6	*135.4*	131.3	128.9	124.0
157.5°	106.0	103.6	106.0	113.4	118.2	109.3	106.8	*105.2*	104.4	100.3	101.9
160°	87.3	87.3	88.9	94.6	97.9	91.3	86.4	*84.8*	84.8	83.2	88.9
162.5°	74.2	74.2	75.8	77.5	79.1	75.8	74.2	*74.2*	73.4	73.4	79.1
165°	62.0	62.0	62.8	66.1	66.9	65.2	64.4	*65.2*	65.2	68.5	73.4
167.5°	57.1	57.1	57.9	59.5	60.3	59.5	62.0	*64.4*	66.9	70.1	71.8
170°	54.6	54.6	55.5	56.3	57.9	59.5	64.4	*66.1*	66.9	66.1	66.1
172.5°	56.3	56.3	56.3	57.9	59.5	63.6	67.7	*67.7*	66.1	64.4	64.4
175°	57.1	56.3	57.1	58.7	61.2	63.6	65.2	*66.9*	66.9	66.1	66.1
177.5°	56.3	56.3	57.1	57.9	57.9	57.9	58.7	*59.5*	59.5	60.3	61.2
180°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	*55.5*	55.5	55.5	55.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	381.7	381.7	381.7	381.7	381.7	381.7	381.7	381.7	381.7	381.7	381.7
2.5°	426.5	402.9	298.5	198.2	243.0	354.7	413.5	387.4	288.7	166.4	141.1
5°	174.5	195.7	228.3	218.6	196.5	161.5	121.5	120.7	167.2	203.1	206.3
7.5°	168.0	154.1	146.0	161.5	150.9	104.4	88.1	73.4	78.3	115.0	110.1
10°	207.1	202.2	188.4	154.1	113.4	93.8	88.1	89.7	96.2	86.4	85.6
12.5°	230.8	218.6	188.4	178.6	151.7	107.6	88.9	82.4	88.1	110.1	119.1
15°	252.8	234.9	197.4	165.5	136.2	111.7	95.4	83.2	74.2	64.4	63.6
17.5°	272.4	249.5	208.0	172.1	135.4	111.7	92.2	72.6	62.8	59.5	59.5
20°	296.0	274.8	221.8	179.4	136.2	109.3	88.9	71.8	62.8	59.5	59.5
22.5°	327.8	292.8	236.5	182.7	137.8	108.5	87.3	73.4	65.2	60.3	60.3
25°	336.8	309.9	246.3	193.3	144.3	112.5	91.3	75.8	66.9	62.8	62.0
27.5°	343.3	322.9	265.0	202.2	151.7	120.7	97.9	79.1	68.5	64.4	63.6
30°	368.6	350.7	285.4	215.3	161.5	128.9	103.6	84.0	71.8	65.2	63.6
32.5°	422.4	397.2	315.6	228.3	173.7	137.8	110.9	88.9	75.0	66.9	65.2
35°	525.2	504.8	395.5	255.3	186.8	149.2	119.9	95.4	79.1	69.3	68.5
37.5°	644.3	612.4	480.3	296.8	195.7	159.0	128.9	101.9	83.2	73.4	71.8
40°	664.6	574.1	425.7	270.7	197.4	163.9	137.0	109.3	88.1	76.7	74.2
42.5°	833.5	704.6	493.4	279.7	201.4	163.9	138.6	114.2	93.0	79.1	77.5
45°	881.6	702.2	490.9	312.3	221.0	168.8	139.5	116.6	97.0	83.2	80.7
47.5°	1123.8	861.2	498.3	331.9	241.4	185.9	145.2	118.2	97.9	85.6	84.8
50°	1606.6	1151.5	599.4	400.4	289.5	216.9	163.1	124.0	99.5	88.1	87.3
52.5°	1984.1	1367.6	643.4	479.5	368.6	275.6	194.9	138.6	102.8	88.9	87.3
55°	2358.5	1631.0	725.0	566.0	438.7	331.9	242.2	162.3	110.9	90.5	88.9
57.5°	2929.3	1958.0	826.1	650.8	520.3	384.9	270.7	183.5	120.7	92.2	89.7
60°	3275.9	2073.8	836.7	694.0	566.8	422.4	280.5	191.6	132.9	98.7	94.6
62.5°	3587.4	2178.2	844.1	713.6	574.9	426.5	281.4	185.1	135.4	108.5	103.6
65°	*3668.2*	*2093.4*	*851.4*	*720.1*	*560.3*	*402.9*	*270.7*	*178.6*	*128.9*	*117.4*	*116.6*
67.5°	3485.5	1877.3	800.8	695.6	521.1	362.1	243.8	169.6	125.6	114.2	116.6
70°	2715.6	1490.8	734.0	641.0	450.2	305.8	216.9	158.2	124.0	108.5	106.0
72.5°	2139.9	1268.1	741.3	610.8	380.0	270.7	191.6	144.3	117.4	106.0	104.4
75°	1666.9	1062.6	713.6	526.0	308.3	230.8	168.0	128.9	109.3	101.9	101.1
77.5°	1222.4	843.2	588.8	405.3	254.4	192.5	146.8	118.2	103.6	97.0	96.2
80°	801.6	596.1	410.2	323.8	219.4	173.7	133.7	110.9	99.5	93.8	93.0
82.5°	681.8	529.3	364.5	297.7	203.1	167.2	131.3	108.5	98.7	92.2	91.3
85°	657.3	542.3	372.7	308.3	193.3	159.8	127.2	106.8	96.2	90.5	89.7
87.5°	617.3	490.9	360.5	276.5	178.6	146.0	119.1	102.8	92.2	87.3	85.6
90°	549.7	420.0	309.9	237.3	169.6	137.0	112.5	97.9	89.7	84.8	83.2
92.5°	443.6	318.9	243.8	209.6	165.5	136.2	111.7	97.9	89.7	84.8	83.2
95°	372.7	273.2	218.6	191.6	154.1	128.9	106.8	94.6	87.3	82.4	82.4
97.5°	295.2	228.3	194.9	172.1	138.6	117.4	101.1	90.5	84.0	79.1	79.1
100°	261.8	212.0	185.1	161.5	131.3	110.9	98.7	88.1	82.4	76.7	76.7
102.5°	248.7	205.5	182.7	153.3	125.6	106.8	94.6	84.8	79.9	74.2	74.2
105°	240.6	203.1	181.0	149.2	119.9	101.9	90.5	80.7	76.7	72.6	71.8
107.5°	232.4	199.8	183.5	146.8	115.0	98.7	90.5	79.9	75.0	71.8	71.8
110°	228.3	201.4	182.7	144.3	113.4	97.9	89.7	80.7	76.7	73.4	72.6

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

Scaled Data Report

REPORT NUMBER: P1046607
CATALOG NUMBER: FFX-CLB-80-730-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	217.7	192.5	174.5	137.0	110.9	95.4	86.4	79.9	74.2	70.9	70.1
115°	207.1	177.0	159.8	130.5	105.2	92.2	84.0	77.5	71.8	69.3	69.3
117.5°	211.2	172.9	146.8	128.0	103.6	89.7	82.4	75.8	70.9	69.3	68.5
120°	208.8	181.9	164.7	137.0	102.8	87.3	80.7	74.2	70.1	69.3	69.3
122.5°	199.8	196.5	181.0	139.5	99.5	88.1	82.4	76.7	72.6	70.1	70.1
125°	192.5	190.8	168.8	125.6	101.9	91.3	86.4	80.7	78.3	75.8	75.0
127.5°	177.8	159.8	140.3	120.7	103.6	93.0	88.1	84.8	82.4	78.3	77.5
130°	178.6	163.9	144.3	121.5	99.5	91.3	88.9	85.6	81.6	75.0	74.2
132.5°	194.1	178.6	143.5	112.5	95.4	91.3	89.7	85.6	76.7	69.3	68.5
135°	161.5	150.9	127.2	107.6	97.0	94.6	93.8	84.8	71.8	66.9	66.1
137.5°	157.4	141.9	122.3	108.5	101.1	96.2	93.0	81.6	66.9	62.0	60.3
140°	148.4	133.7	119.9	110.1	97.9	81.6	74.2	68.5	62.0	57.9	57.1
142.5°	148.4	134.6	113.4	97.0	84.8	75.8	71.8	66.9	59.5	53.8	52.2
145°	175.3	159.0	137.0	123.1	110.1	96.2	82.4	67.7	55.5	48.1	47.3
147.5°	199.0	179.4	162.3	139.5	118.2	95.4	75.8	59.5	50.6	47.3	47.3
150°	163.1	145.2	136.2	116.6	97.9	78.3	64.4	55.5	50.6	48.9	48.9
152.5°	122.3	102.8	96.2	85.6	74.2	64.4	57.9	53.0	51.4	50.6	50.6
155°	114.2	97.9	89.7	79.9	68.5	60.3	56.3	53.8	52.2	51.4	51.4
157.5°	99.5	90.5	79.9	72.6	64.4	58.7	56.3	54.6	53.0	52.2	52.2
160°	88.9	82.4	72.6	66.9	61.2	58.7	58.7	57.9	55.5	54.6	54.6
162.5°	79.9	77.5	68.5	63.6	61.2	62.0	66.1	65.2	61.2	57.9	57.1
165°	74.2	71.8	65.2	62.8	61.2	64.4	72.6	70.9	64.4	60.3	60.3
167.5°	70.9	69.3	64.4	62.0	62.8	69.3	76.7	77.5	71.8	66.1	65.2
170°	65.2	65.2	64.4	65.2	65.2	68.5	72.6	75.0	75.0	76.7	75.8
172.5°	64.4	65.2	67.7	67.7	66.9	67.7	70.9	75.0	77.5	79.9	80.7
175°	66.1	66.9	68.5	69.3	69.3	70.9	75.8	79.1	80.7	79.9	79.9
177.5°	61.2	62.0	62.8	66.1	67.7	69.3	74.2	75.8	77.5	79.1	79.1
180°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

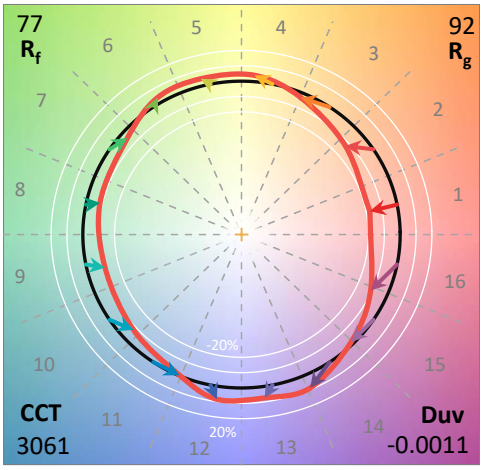
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

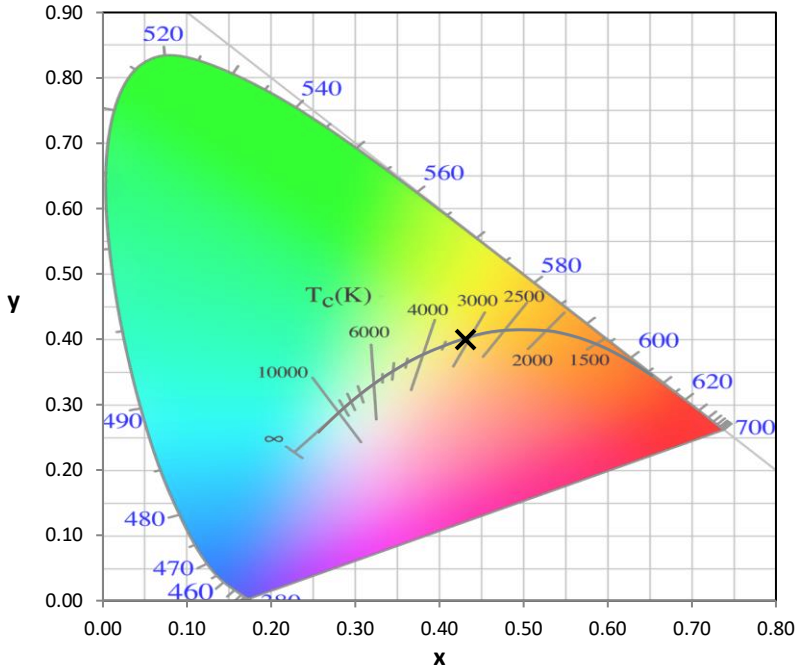
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

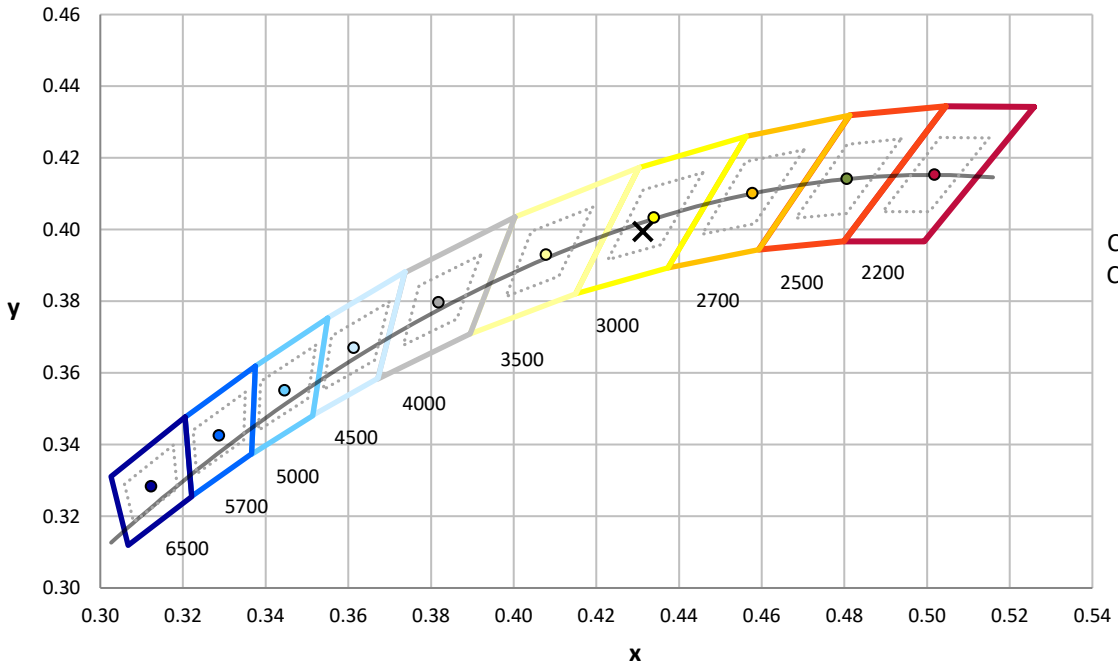
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

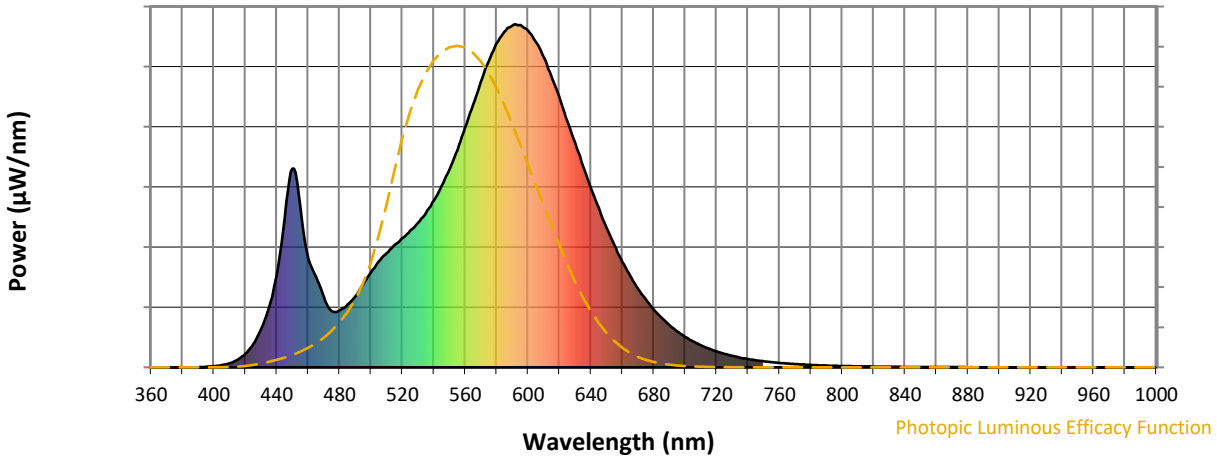


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

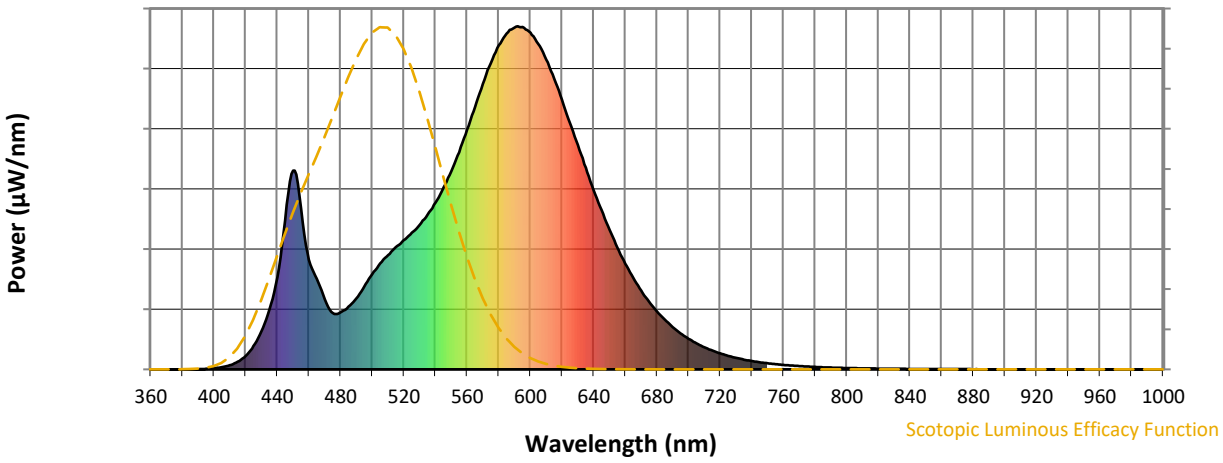


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

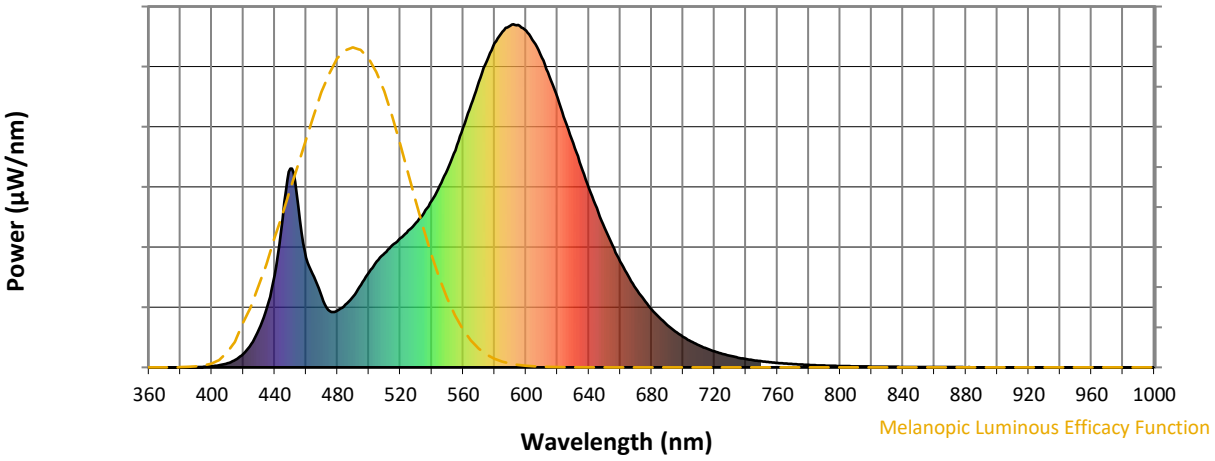


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

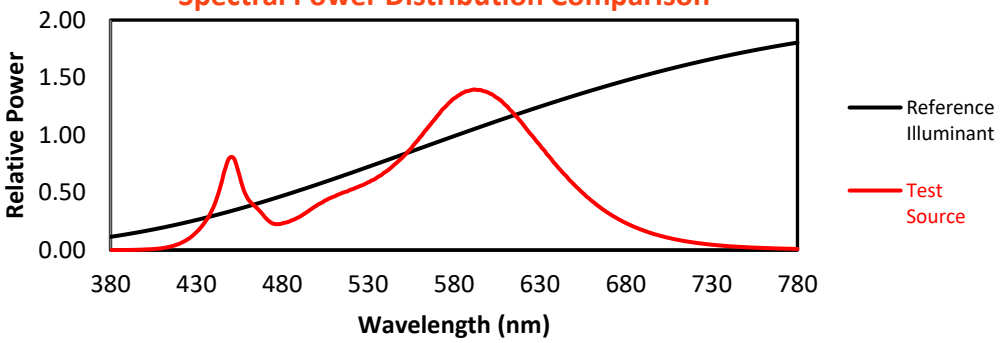
REPORT NUMBER: SP1-2501-332-4

TM-30-18

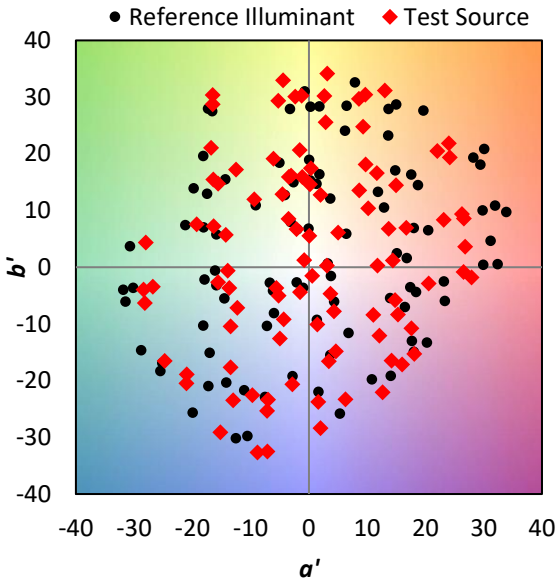
Summary

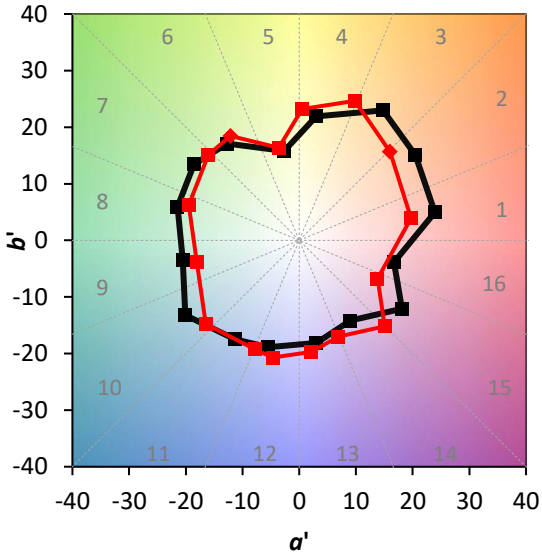
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

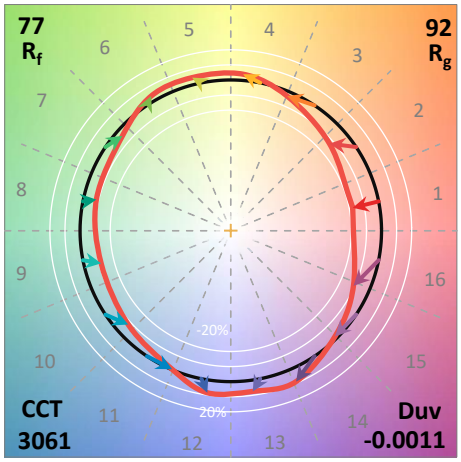
Spectral Power Distribution Comparison

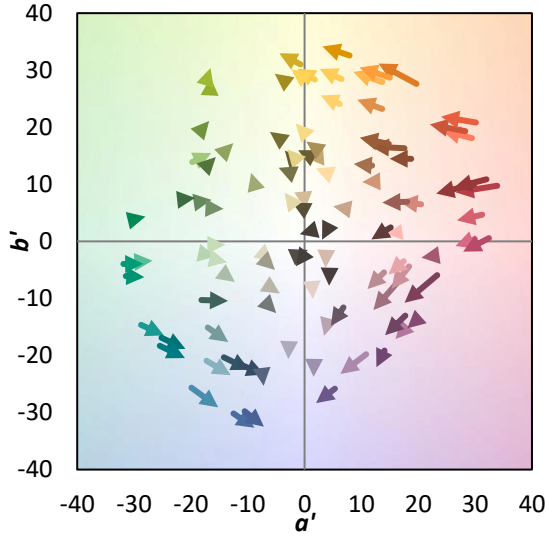


Color Vector Graphics







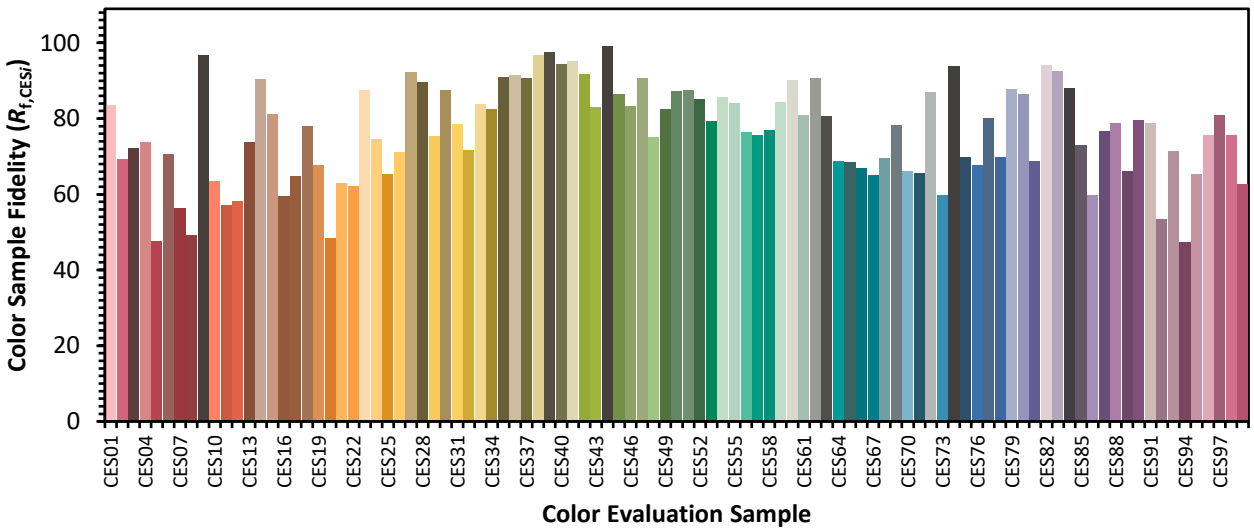


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

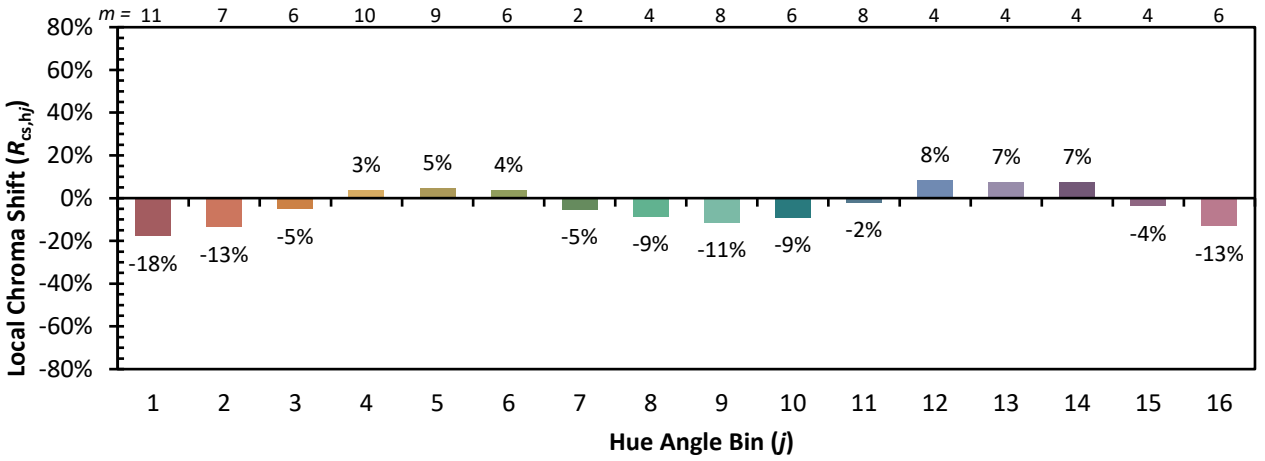
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
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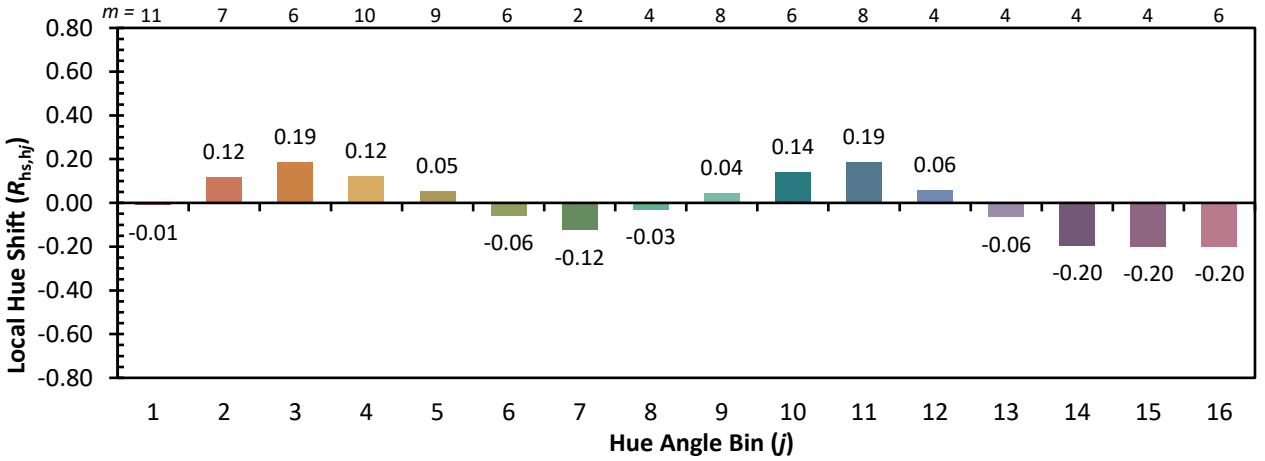


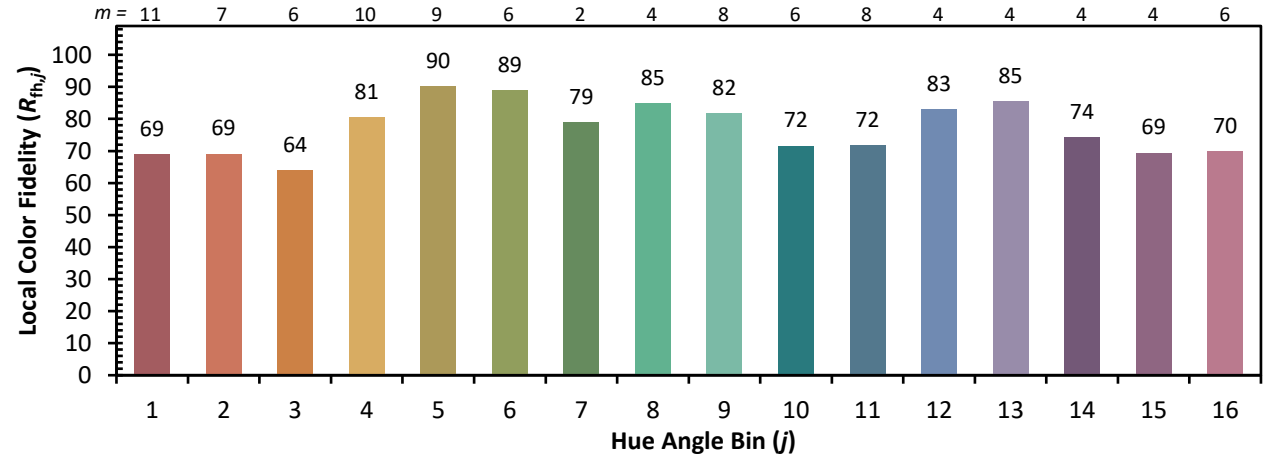
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Color Rendition by Hue-Angle Bin



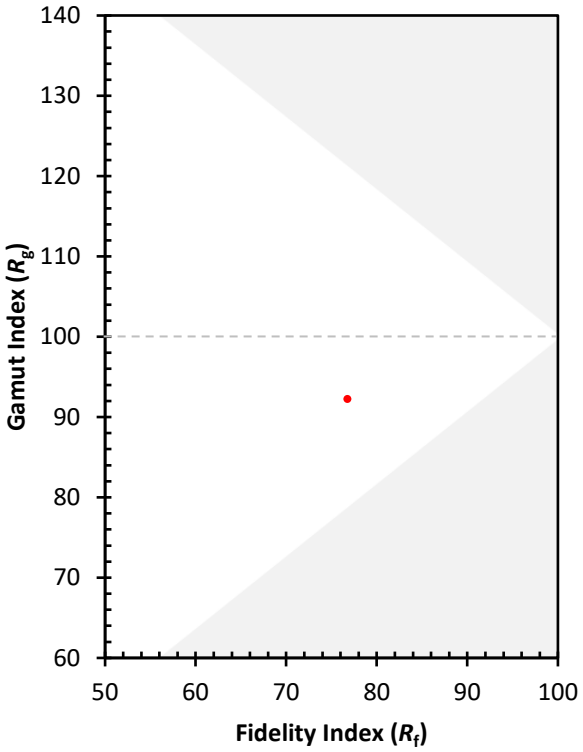


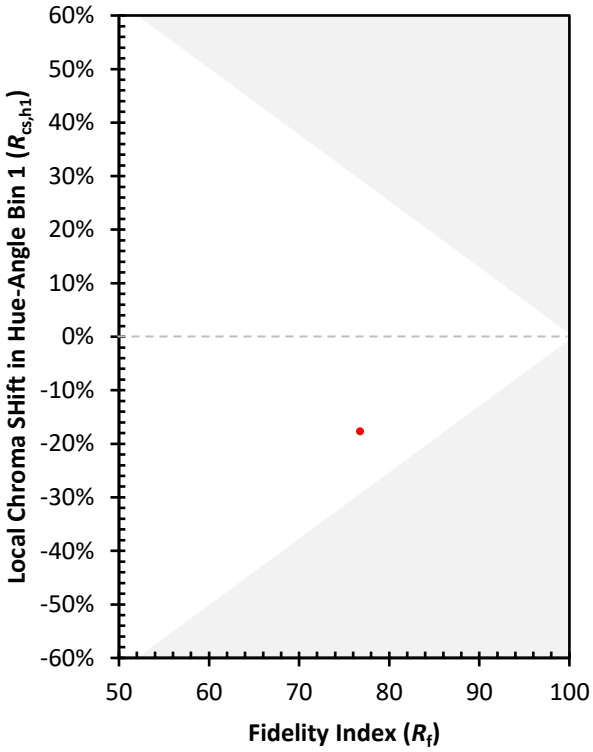


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Measure Comparisons





(END OF REPORT)