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: P1046370

Luminaire Tested: **FFX-CLB-20-722-U-FR-T4**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046370
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-722-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:	2714.6 lumens
Efficiency:	N/A
Efficacy:	137.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U3 - G2

Input Watts (W):	19.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

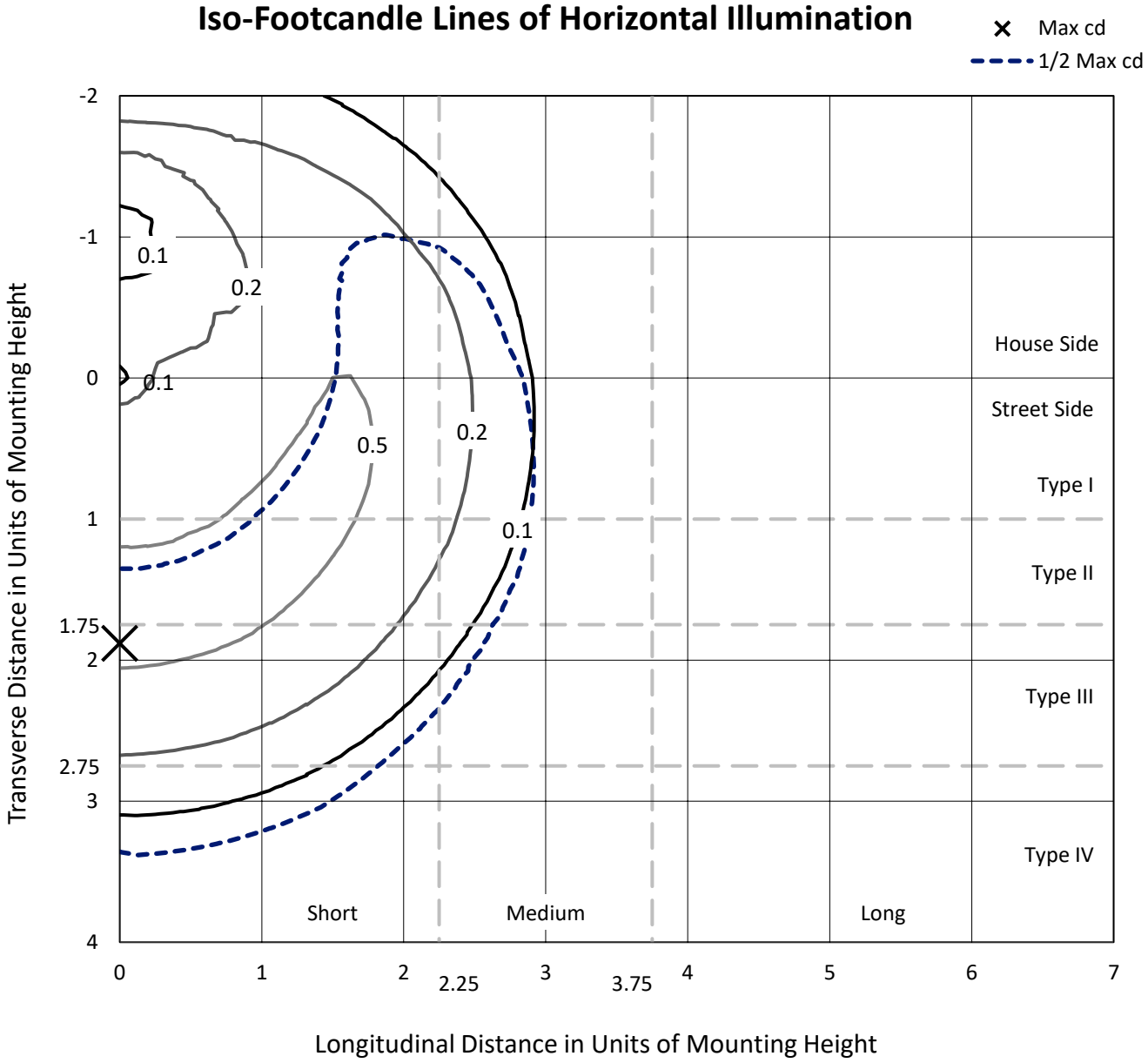


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Iso-Footcandle Lines of Horizontal Illumination



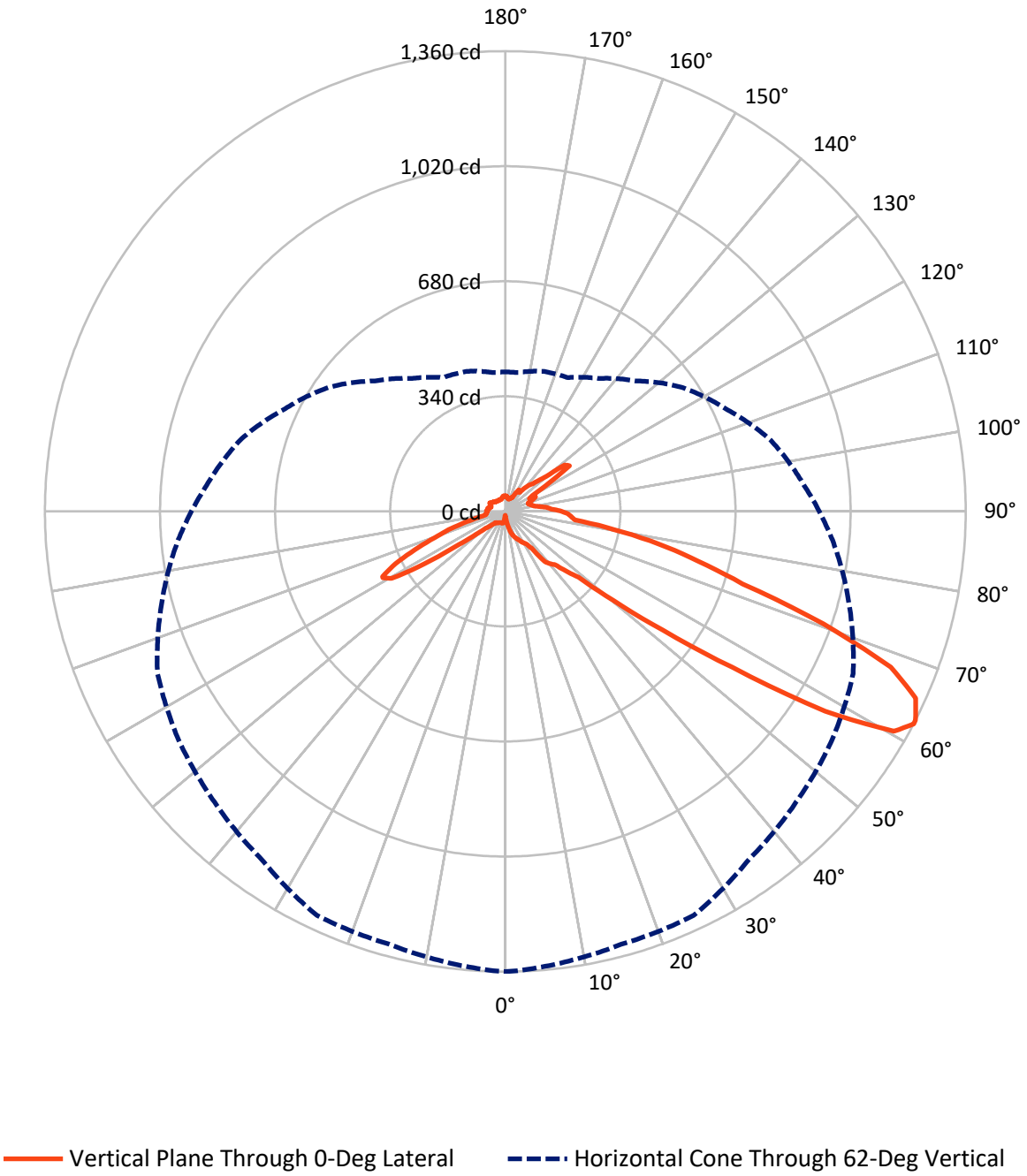
Based on 15 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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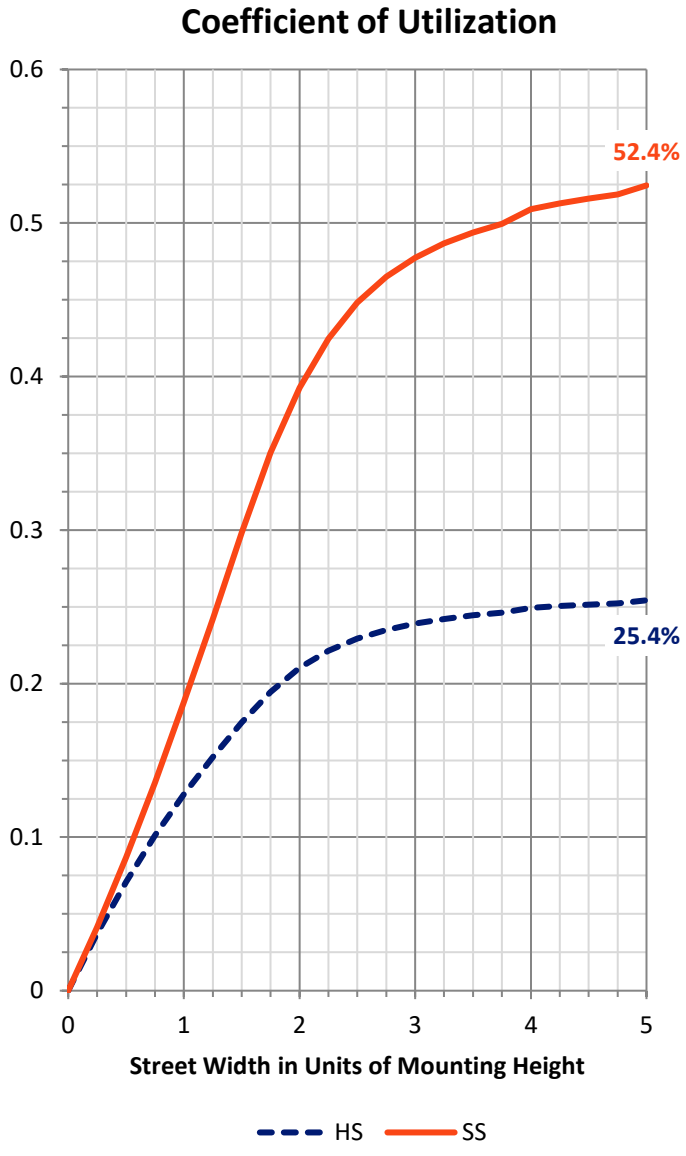
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	714.2	204.1	918.3
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	1482.8	313.5	1796.3
	% Fixture	54.6	11.5	66.2
Total	Lumens	2197.0	517.5	2714.6
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	15.1	0.6
20°-30°	32.6	1.2
30°-40°	65.3	2.4
40°-50°	143.0	5.3
50°-60°	500.6	18.4
60°-70°	837.8	30.9
70°-80°	434.8	16.0
80°-90°	165.2	6.1
90°-100°	105.3	3.9
100°-110°	69.8	2.6
110°-120°	72.9	2.7
120°-130°	121.8	4.5
130°-140°	73.3	2.7
140°-150°	38.8	1.4
150°-160°	20.4	0.8
160°-170°	11.1	0.4
170°-180°	4.1	0.2
0°-90°	2197.0	80.9
0°-180°	2714.6	100.0



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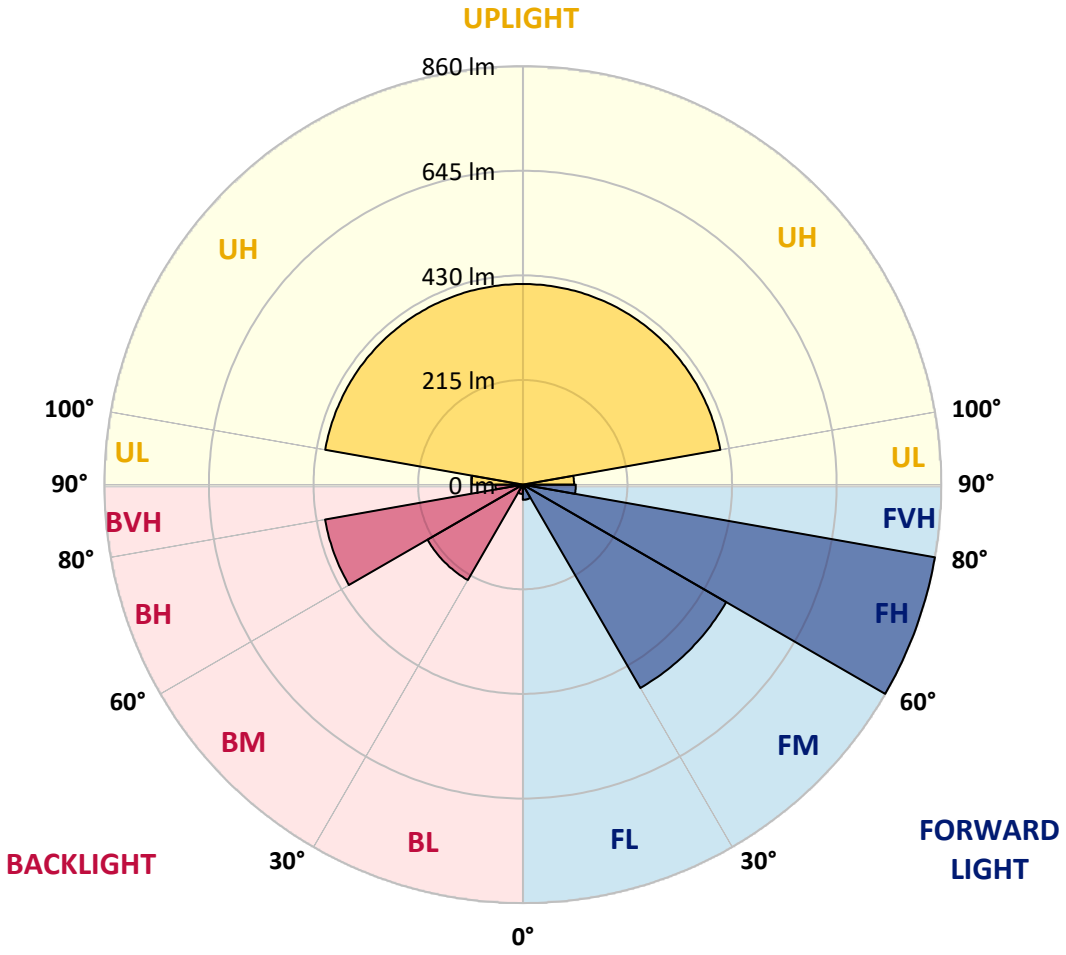
Scaled Data Report

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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°)	31.3	1.2			
FM	(30°-60°)	482.6	17.8			
FH	(60°-80°)	860.0	31.7			G1/1800
FVH	(80°-90°)	108.9	4.0			G2/225
BL	(0°-30°)	19.1	0.7	B0/110		
BM	(30°-60°)	226.2	8.3	B1/1000		
BH	(60°-80°)	412.7	15.2	B1/500		G1/500
BVH	(80°-90°)	56.2	2.1			G1/100
UL	(90°-100°)	105.3	3.9		U3/500	
UH	(100°-180°)	412.2	15.2		U3/500	

BUG Rating: B1-U3-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	17.1	16.8	16.8	17.4	18.3	18.3	18.5	18.0	18.0	17.8	18.0
5°	24.9	24.2	24.5	24.7	25.0	25.4	25.7	25.7	25.0	24.5	23.1
7.5°	34.7	34.5	34.9	34.7	34.4	35.2	35.7	37.0	37.3	35.1	32.3
10°	44.7	44.2	44.0	44.2	44.4	43.9	44.9	45.8	44.6	42.0	39.5
12.5°	55.6	55.6	55.6	55.4	55.4	55.3	54.9	54.7	53.5	50.6	46.8
15°	67.7	67.9	68.2	68.0	67.2	65.8	64.8	63.9	63.2	61.1	56.3
17.5°	75.1	74.8	75.1	74.9	74.6	73.7	71.8	70.1	67.9	64.9	61.3
20°	82.0	81.9	81.7	81.7	81.3	80.3	79.1	76.3	73.4	70.3	66.1
22.5°	87.4	87.0	87.4	87.2	87.0	86.7	84.6	82.2	78.9	75.5	71.1
25°	94.3	94.1	94.3	93.8	93.8	93.2	92.0	88.9	85.3	81.5	76.2
27.5°	101.9	101.4	101.9	101.7	101.0	99.6	98.6	95.1	90.7	87.0	82.2
30°	108.3	108.3	108.6	107.6	108.3	107.1	104.6	100.8	97.0	92.4	87.4
32.5°	115.0	115.0	114.7	114.5	115.4	113.8	111.0	106.5	103.4	98.6	94.3
35°	133.8	132.4	134.7	134.5	138.8	135.7	130.5	124.5	119.7	113.5	107.8
37.5°	187.9	187.2	186.2	179.6	172.0	173.2	174.1	167.3	161.3	150.1	136.8
40°	203.2	203.1	202.9	199.1	201.2	195.7	192.9	189.4	188.4	173.7	155.9
42.5°	215.9	213.8	215.9	222.8	233.6	229.8	215.9	197.9	194.6	180.6	173.4
45°	250.0	248.7	252.1	254.2	250.7	244.5	248.5	235.4	226.4	206.5	193.2
47.5°	291.0	289.6	292.9	294.6	301.7	295.1	292.0	280.8	265.8	246.9	229.7
50°	413.1	397.5	410.1	405.8	407.5	392.9	398.7	382.7	369.2	338.3	307.0
52.5°	583.2	578.0	569.3	559.7	567.1	551.4	556.2	538.8	514.4	478.5	432.4
55°	813.3	795.9	801.4	821.3	817.1	789.0	784.2	741.7	698.0	644.3	595.8
57.5°	1114.5	1105.9	1095.9	1082.6	1069.6	1040.4	1026.1	978.6	910.7	835.8	768.3
60°	1319.5	1312.6	1308.1	1267.5	1243.7	1185.0	1171.7	1138.7	1078.2	996.7	903.7
62°	1360.2	1359.2	1350.0	1324.8	1317.7	1255.6	1215.2	1178.4	1134.0	1051.3	970.3
62.5°	1359.9	1357.8	1352.5	1331.4	1324.1	1265.9	1222.1	1183.1	1138.8	1057.7	978.1
65°	1332.3	1327.6	1325.2	1312.6	1309.3	1275.1	1216.9	1176.7	1139.5	1050.1	983.8
67.5°	1228.3	1233.8	1234.2	1221.6	1210.7	1190.3	1134.7	1099.8	1074.3	981.0	918.5
70°	997.1	989.7	982.1	987.9	983.1	972.0	927.8	884.0	852.0	803.2	743.9
72.5°	732.9	744.6	744.4	746.2	747.0	719.2	699.5	674.3	657.1	614.8	572.4
75°	587.5	588.5	585.2	573.1	560.2	544.1	547.6	545.3	537.0	492.3	450.4
77.5°	463.8	452.4	457.1	438.1	421.3	421.2	427.9	434.5	438.1	402.2	369.7
80°	326.5	324.0	319.8	321.5	307.7	311.3	314.6	319.1	312.0	290.8	275.8
82.5°	206.2	203.9	200.7	216.5	229.8	226.9	216.4	199.4	195.5	197.0	193.6
85°	195.0	194.8	191.9	190.3	188.2	183.6	186.2	189.8	187.7	176.0	160.8
87.5°	184.1	183.6	181.3	180.5	176.5	176.0	178.4	179.8	180.6	170.1	157.3
90°	161.3	159.2	157.1	158.9	158.4	158.7	159.4	159.0	159.4	147.0	141.6
92.5°	134.5	134.0	132.4	133.3	134.5	139.4	137.3	134.0	133.5	128.5	123.3
95°	122.8	123.1	121.2	122.4	122.8	122.8	121.4	119.8	118.6	114.7	110.0
97.5°	101.7	100.2	99.5	100.3	100.7	99.5	98.6	96.0	95.8	91.9	89.6
100°	86.5	86.2	85.8	86.9	87.2	86.7	86.9	85.3	85.1	82.9	80.5
102.5°	80.8	80.6	80.5	81.3	81.7	81.3	80.8	79.3	79.6	77.2	75.5
105°	76.3	76.3	76.2	76.7	75.6	75.1	74.4	74.4	74.8	72.9	70.3
107.5°	71.3	71.1	71.3	71.1	69.9	69.4	69.2	68.7	69.9	68.9	66.1

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*72.2*	72.2	72.0	70.1	69.4	68.6	68.2	69.1	68.7	67.0	65.3
112.5°	*88.4*	87.4	88.1	85.5	84.3	85.0	85.3	86.0	87.4	84.6	82.0
115°	*98.8*	98.9	100.7	100.7	98.1	99.3	99.3	99.1	100.5	98.4	95.8
117.5°	*80.6*	81.7	87.2	83.8	84.6	85.3	81.0	79.4	79.1	79.6	85.1
120°	*92.9*	91.5	96.7	85.8	82.5	82.5	85.7	89.6	85.3	78.7	80.5
122.5°	*152.0*	152.1	152.3	157.0	156.5	157.8	155.4	152.3	143.3	143.5	135.4
125°	*232.6*	230.4	230.4	228.3	227.9	224.7	228.8	231.4	224.5	212.7	200.0
127.5°	*222.6*	227.4	225.7	220.5	215.5	213.8	218.6	226.7	222.8	212.4	200.7
130°	*158.0*	159.2	158.9	164.4	165.8	164.0	165.8	159.9	160.8	163.2	157.0
132.5°	*132.4*	131.8	134.2	141.8	144.7	141.3	136.4	132.1	132.3	137.5	137.1
135°	*114.1*	113.6	115.4	115.7	119.0	116.2	111.9	111.9	112.9	114.1	113.6
137.5°	*103.1*	102.4	102.9	98.9	95.0	94.8	98.3	100.2	99.1	97.9	96.5
140°	*88.8*	89.1	88.2	85.0	83.2	83.6	85.8	88.8	87.9	85.3	83.2
142.5°	*70.6*	69.9	71.0	73.4	76.8	76.8	73.4	69.8	69.6	70.8	72.5
145°	*69.6*	69.2	69.4	68.9	69.6	68.9	67.9	66.8	65.6	64.8	64.1
147.5°	*75.5*	75.5	75.3	74.4	73.7	72.5	72.9	74.1	74.8	74.1	73.0
150°	*61.3*	61.8	61.8	61.6	61.0	61.5	62.2	62.5	63.2	63.2	62.2
152.5°	*47.1*	47.0	47.5	46.8	46.6	47.0	47.8	48.5	48.7	48.7	47.3
155°	*44.9*	44.6	44.9	44.6	44.2	44.6	45.2	45.6	45.9	45.4	44.0
157.5°	*42.0*	42.0	42.0	41.6	41.8	41.8	42.1	42.3	42.5	42.3	42.0
160°	*39.7*	39.7	39.9	39.7	39.7	40.1	39.9	39.7	39.7	39.5	39.4
162.5°	*38.3*	38.3	38.3	38.3	38.2	38.2	38.3	38.2	38.0	37.8	38.2
165°	*37.6*	37.5	37.5	37.5	37.6	37.5	37.5	37.5	37.3	37.8	38.5
167.5°	*39.0*	38.7	38.9	39.0	39.0	38.9	38.9	38.9	39.2	39.7	40.2
170°	*40.9*	40.8	40.8	40.9	40.9	40.8	40.8	40.8	40.9	41.1	41.3
172.5°	*42.5*	42.3	42.3	42.3	42.1	42.0	42.0	42.0	42.0	42.0	42.1
175°	*44.0*	44.0	44.0	44.0	43.9	43.7	43.7	43.7	43.7	43.7	43.7
177.5°	*45.8*	45.6	45.8	45.6	45.6	45.6	45.4	45.2	45.1	45.1	45.1
180°	*45.4*	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	17.6	17.4	16.4	15.5	14.9	14.2	13.1	12.3	11.6	11.4	11.4
5°	22.8	22.4	21.4	20.0	19.3	18.3	17.3	16.6	15.7	15.4	15.5
7.5°	31.4	31.6	31.9	32.6	32.3	29.4	26.1	25.4	26.1	27.1	27.6
10°	39.0	38.5	38.3	40.6	40.1	35.7	31.4	30.0	31.3	33.5	34.5
12.5°	45.2	44.2	44.0	44.4	42.3	37.6	34.0	32.5	33.2	34.9	34.7
15°	54.4	52.8	50.6	49.2	46.6	43.3	38.9	36.3	36.3	36.3	36.1
17.5°	59.7	58.0	53.7	49.7	46.5	44.0	41.1	38.7	36.1	35.7	35.6
20°	64.4	61.8	57.2	52.8	48.7	45.2	41.1	38.2	35.9	35.6	35.4
22.5°	68.4	66.0	61.0	55.8	50.6	46.6	42.1	39.0	36.8	36.1	35.9
25°	73.7	71.1	65.4	59.4	53.4	48.4	44.2	40.6	37.8	36.4	36.4
27.5°	79.1	76.2	69.8	63.5	57.0	50.8	46.1	42.5	39.0	37.1	37.0
30°	84.3	81.0	74.1	67.0	60.4	53.9	48.5	44.4	40.6	38.5	38.3
32.5°	91.5	87.7	79.6	70.8	64.2	57.2	51.1	46.3	42.3	40.2	39.9
35°	105.7	101.4	92.2	80.8	70.5	61.0	53.7	47.3	43.5	41.3	41.1
37.5°	131.9	126.9	114.1	100.2	86.0	71.7	58.4	48.7	44.4	42.3	42.0
40°	147.6	137.8	124.3	113.3	102.6	88.8	71.7	56.5	46.1	43.7	43.3
42.5°	168.0	157.8	138.3	117.3	103.6	92.7	80.6	70.8	55.9	47.3	45.8
45°	187.4	179.6	162.8	140.4	119.7	100.8	85.8	76.3	66.8	57.0	55.4
47.5°	219.8	208.4	186.3	163.4	142.3	121.2	103.4	85.0	72.7	66.8	66.5
50°	303.1	282.3	250.4	222.9	183.2	150.9	129.9	105.2	89.5	80.3	77.4
52.5°	410.6	389.1	352.6	312.9	268.9	227.3	186.0	150.6	125.0	109.0	109.5
55°	570.9	549.3	495.8	427.7	367.3	324.0	279.7	236.7	195.7	172.0	169.1
57.5°	739.9	720.6	674.8	591.8	495.6	415.5	363.0	332.6	311.5	285.8	285.8
60°	863.9	831.8	780.0	696.3	611.0	505.6	438.3	394.8	391.0	386.5	389.9
62°	*927.3*	*885.9*	*812.0*	*717.8*	*638.6*	*544.8*	*479.4*	*436.2*	*428.6*	*411.7*	*412.0*
62.5°	938.0	892.3	817.3	717.8	641.0	548.3	483.9	441.7	431.2	410.5	410.8
65°	948.7	893.6	821.3	706.3	627.4	536.4	486.8	431.9	404.3	369.5	359.4
67.5°	887.2	830.8	768.8	656.7	574.7	486.8	431.9	376.8	331.7	296.5	291.0
70°	720.6	676.2	628.4	542.7	471.1	399.9	353.3	303.6	258.7	219.8	222.2
72.5°	546.9	505.4	461.6	407.2	362.6	314.8	273.5	233.5	196.2	172.0	176.5
75°	423.6	396.0	364.9	325.3	291.5	247.3	200.3	164.7	139.5	124.9	125.7
77.5°	348.3	319.6	294.3	258.0	225.9	180.6	135.4	105.0	90.3	83.8	82.0
80°	267.8	246.9	224.5	192.0	156.6	121.7	91.0	76.8	67.2	62.3	60.4
82.5°	187.0	174.1	155.2	131.8	111.4	98.6	85.3	73.4	63.4	58.9	56.8
85°	154.0	147.1	136.8	123.5	111.4	97.2	82.4	70.3	61.6	58.2	56.3
87.5°	150.1	145.4	133.7	119.5	105.0	90.5	75.5	64.2	58.7	56.5	54.7
90°	137.6	132.3	124.0	110.0	97.0	81.5	69.2	62.5	58.4	55.8	53.9
92.5°	120.0	117.1	109.5	99.5	90.5	80.5	71.7	65.6	61.3	58.2	56.3
95°	106.7	103.3	98.9	90.8	83.4	75.3	67.2	61.5	57.0	53.7	52.2
97.5°	87.7	85.3	81.2	75.8	70.3	63.7	58.0	54.2	51.3	49.7	48.7
100°	79.6	78.1	75.6	71.8	67.3	62.7	58.5	56.5	55.3	54.2	53.7
102.5°	73.7	72.0	70.1	66.1	62.7	58.5	55.8	54.1	52.5	50.8	50.4
105°	68.6	67.2	64.6	61.3	57.8	53.9	50.6	49.6	48.2	46.6	46.5
107.5°	64.6	63.2	61.0	57.5	54.4	50.9	48.0	46.5	44.9	44.0	43.9

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

Scaled Data Report

REPORT NUMBER: P1046370
CATALOG NUMBER: FFX-CLB-20-722-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	64.2	63.2	60.8	57.8	55.4	52.0	48.7	48.2	46.5	44.4	44.2
112.5°	80.1	76.8	72.2	67.3	63.2	59.7	55.6	51.5	48.0	45.9	45.6
115°	92.9	89.6	83.9	76.8	70.3	62.9	55.8	50.6	48.7	48.2	48.9
117.5°	87.4	80.5	70.8	66.5	60.8	56.8	54.1	52.8	49.7	50.6	51.5
120°	83.9	79.3	70.8	70.1	67.5	63.0	56.6	55.3	53.5	52.2	52.0
122.5°	134.9	130.4	120.7	106.0	90.1	79.4	75.5	67.2	57.2	49.6	48.4
125°	191.2	183.9	164.9	148.7	127.6	105.0	84.6	67.2	53.5	46.3	45.4
127.5°	195.0	186.8	170.3	148.3	121.6	93.9	72.9	60.3	51.1	46.3	45.4
130°	152.0	146.8	134.5	114.0	95.5	79.1	67.2	57.0	48.7	45.1	44.6
132.5°	134.3	129.7	112.2	95.1	82.9	70.3	60.3	50.6	43.5	41.1	40.8
135°	111.0	105.9	94.3	83.8	74.8	64.6	54.6	46.3	41.3	40.1	39.9
137.5°	94.8	92.4	83.8	76.3	68.2	59.4	51.1	44.7	41.6	40.6	40.4
140°	81.9	81.3	76.0	69.4	61.3	52.0	45.6	41.8	40.6	40.1	39.9
142.5°	72.4	71.7	65.8	58.2	50.9	46.1	43.7	42.5	41.4	40.1	39.7
145°	62.7	61.5	57.8	54.6	52.3	50.8	48.5	44.7	40.8	38.7	38.5
147.5°	71.3	69.2	65.3	60.6	55.8	50.8	46.1	42.1	38.9	37.6	37.5
150°	59.9	59.7	57.2	53.5	49.9	45.4	42.0	39.4	38.0	37.8	37.8
152.5°	46.5	46.5	46.5	45.6	43.9	41.4	38.9	37.3	37.3	38.0	38.2
155°	43.7	43.9	44.0	43.7	42.3	40.1	37.8	37.1	37.3	38.0	38.2
157.5°	41.6	41.6	41.8	41.4	40.8	39.2	37.6	37.0	37.1	37.5	37.6
160°	39.2	39.2	39.4	39.4	38.7	38.2	37.5	37.0	37.0	37.1	37.3
162.5°	38.3	38.3	38.3	38.3	38.2	38.2	38.2	38.2	38.0	38.0	38.0
165°	38.7	38.7	38.2	38.0	38.3	38.9	39.7	39.9	39.0	38.9	38.9
167.5°	40.4	40.4	39.9	39.5	40.1	40.6	41.8	42.1	41.4	40.8	40.8
170°	41.4	41.4	41.4	41.6	41.8	42.3	43.0	43.3	43.2	43.0	43.0
172.5°	42.1	42.1	42.5	42.8	43.3	43.7	44.0	44.4	44.7	44.7	44.9
175°	43.5	43.7	44.0	44.2	44.6	44.9	45.2	45.6	45.8	45.8	45.8
177.5°	44.9	44.9	44.9	45.1	45.2	45.4	45.6	45.8	45.8	45.9	46.1
180°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4

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: SP1-2501-332-7

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

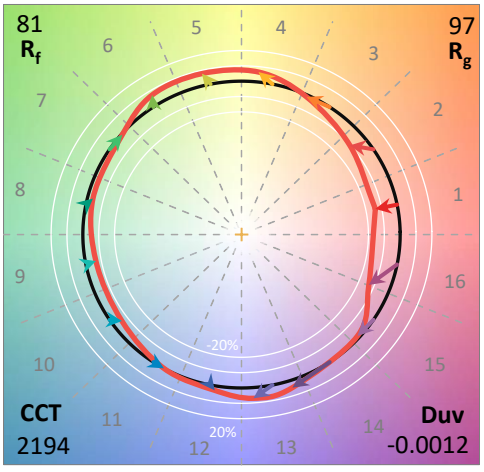
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-7
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-722-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2194	CRI (Ra):	76.9		
CIE u':	0.2907	R1:	75.7	R9:	-13.4
CIE v':	0.5343	R2:	91.6	R10:	84.3
Duv:	-0.0012	R3:	88.2	R11:	74.6
CIE x:	0.5035	R4:	73.5	R12:	85.6
CIE y:	0.4113	R5:	77.0	R13:	79.4
CIE z:	0.0852	R6:	93.6	R14:	93.9
Peak Wavelength (nm):	608	R7:	73.2	R15:	65.4
Dominant Wavelength (nm):	587	R8:	42.7		
Purity:	74.59755				

Rf:	81
Rg:	96.6



Test Conditions

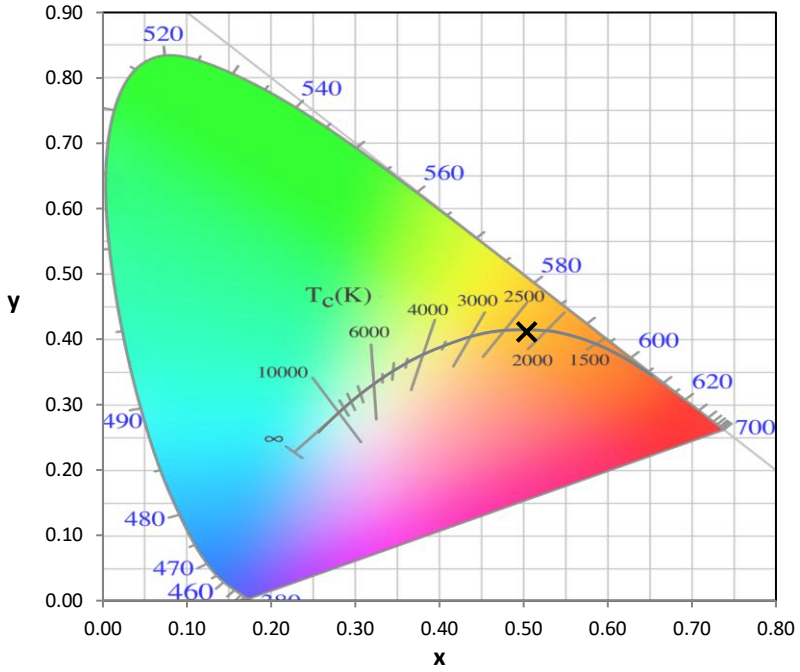
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

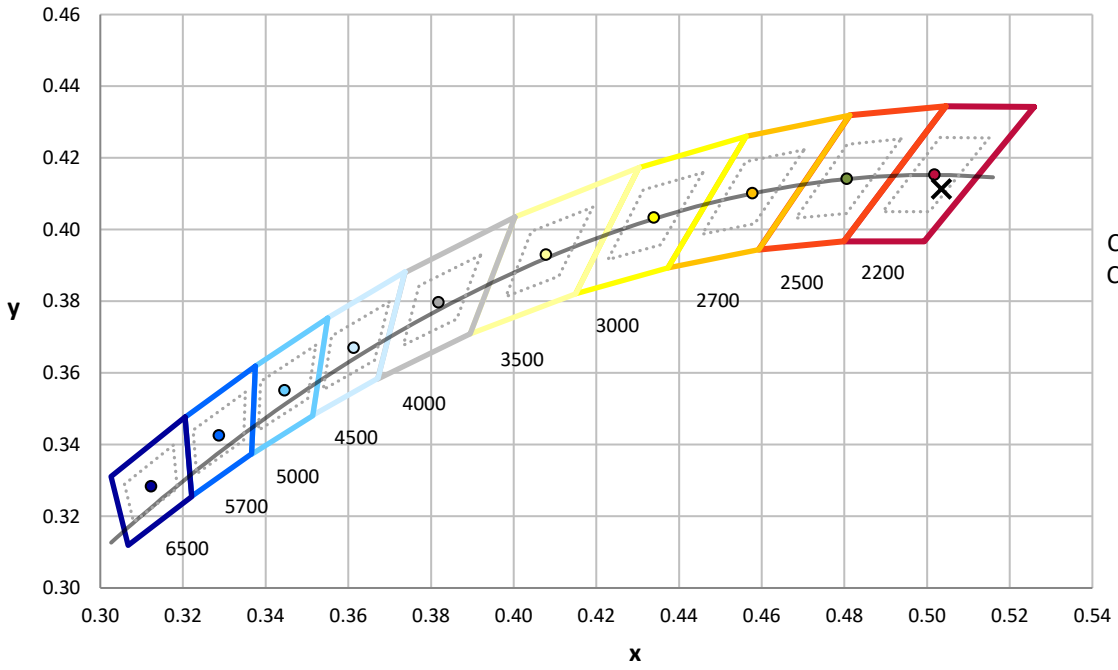
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-7

CIE 1931 Chromaticity Diagram



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

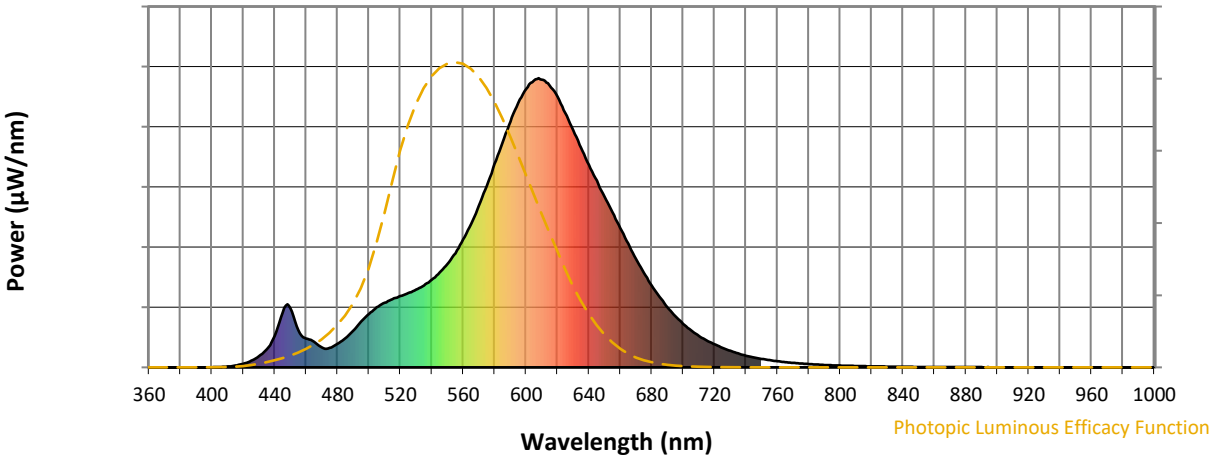


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

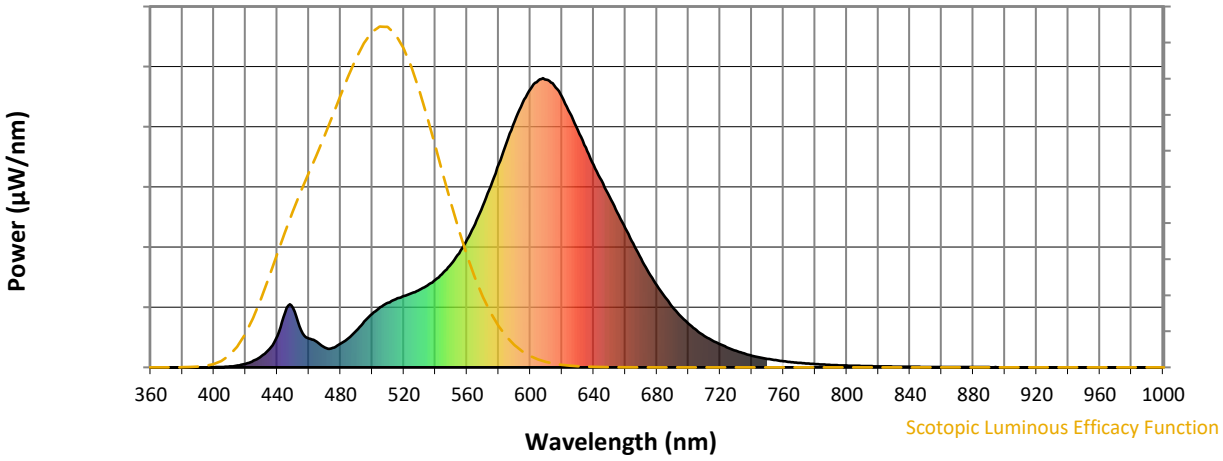


Photopic Lumens: NR

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Scotopic Flux vs. Wavelength

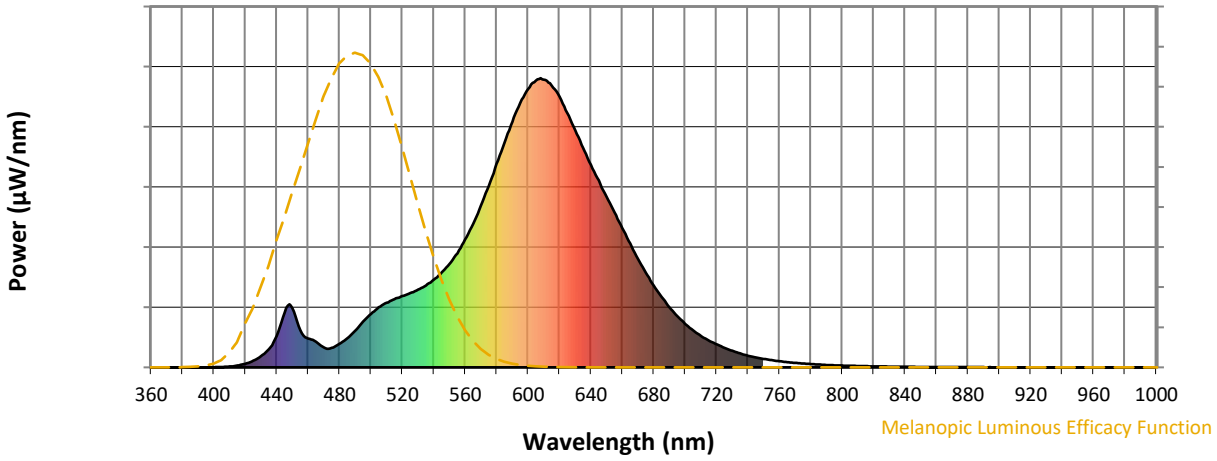


Scotopic Lumens: NR **S/P: 0.96**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.7**

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	127	NR	620	937	NR	750	29	NR	880	1	NR
365	0	NR	495	158	NR	625	880	NR	755	25	NR	885	1	NR
370	0	NR	500	185	NR	630	820	NR	760	21	NR	890	1	NR
375	0	NR	505	208	NR	635	760	NR	765	18	NR	895	1	NR
380	0	NR	510	224	NR	640	700	NR	770	15	NR	900	1	NR
385	0	NR	515	236	NR	645	646	NR	775	13	NR	905	0	NR
390	0	NR	520	247	NR	650	590	NR	780	11	NR	910	0	NR
395	0	NR	525	257	NR	655	535	NR	785	10	NR	915	0	NR
400	1	NR	530	269	NR	660	481	NR	790	8	NR	920	0	NR
405	1	NR	535	284	NR	665	428	NR	795	7	NR	925	0	NR
410	3	NR	540	303	NR	670	376	NR	800	6	NR	930	0	NR
415	6	NR	545	328	NR	675	327	NR	805	5	NR	935	0	NR
420	12	NR	550	358	NR	680	283	NR	810	5	NR	940	0	NR
425	23	NR	555	394	NR	685	244	NR	815	4	NR	945	0	NR
430	39	NR	560	442	NR	690	209	NR	820	4	NR	950	0	NR
435	63	NR	565	496	NR	695	178	NR	825	3	NR	955	0	NR
440	108	NR	570	559	NR	700	151	NR	830	3	NR	960	0	NR
445	190	NR	575	628	NR	705	128	NR	835	2	NR	965	0	NR
450	205	NR	580	704	NR	710	108	NR	840	2	NR	970	0	NR
455	128	NR	585	777	NR	715	93	NR	845	2	NR	975	0	NR
460	100	NR	590	850	NR	720	80	NR	850	2	NR	980	0	NR
465	89	NR	595	914	NR	725	67	NR	855	1	NR	985	0	NR
470	68	NR	600	963	NR	730	57	NR	860	1	NR	990	0	NR
475	67	NR	605	992	NR	735	48	NR	865	1	NR	995	0	NR
480	82	NR	610	995	NR	740	40	NR	870	1	NR	1000	0	NR
485	101	NR	615	975	NR	745	34	NR	875	1	NR			

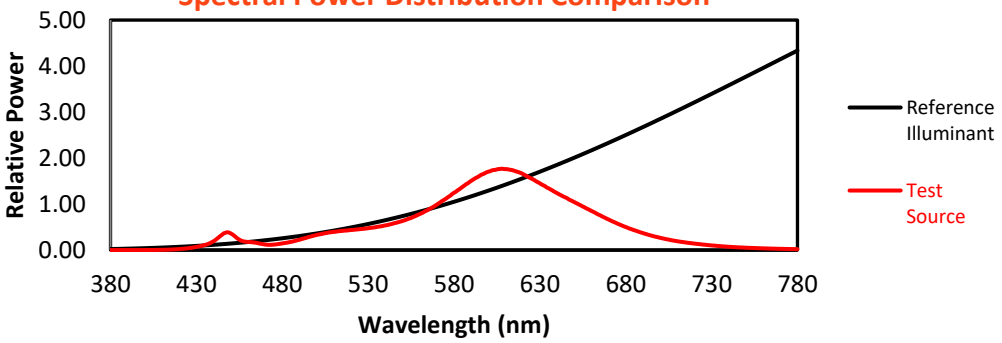
REPORT NUMBER: SP1-2501-332-7

TM-30-18

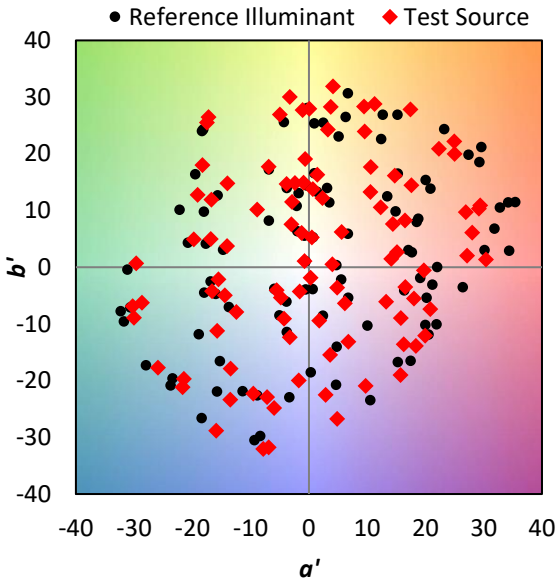
Summary

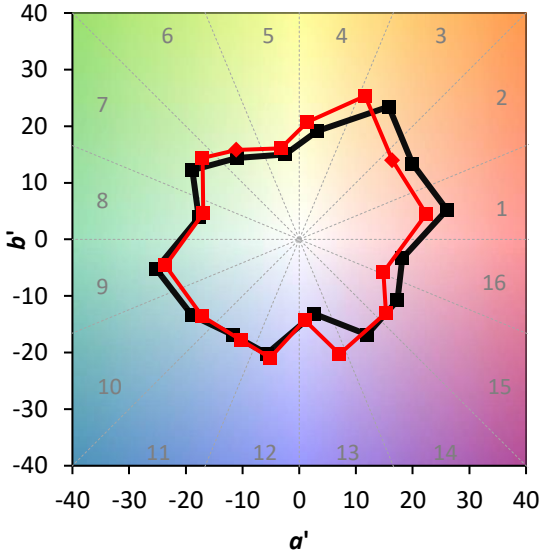
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

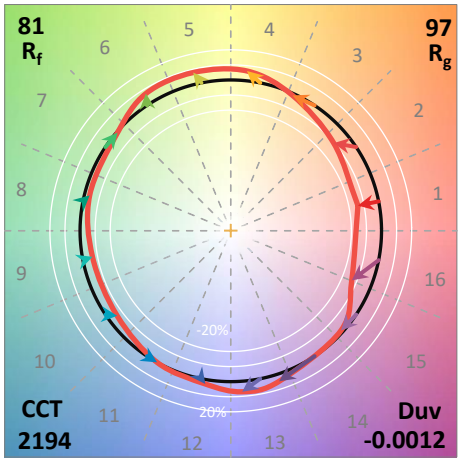
Spectral Power Distribution Comparison

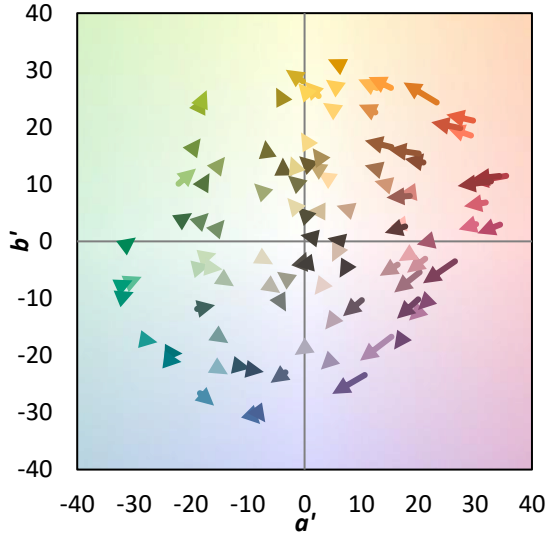


Color Vector Graphics







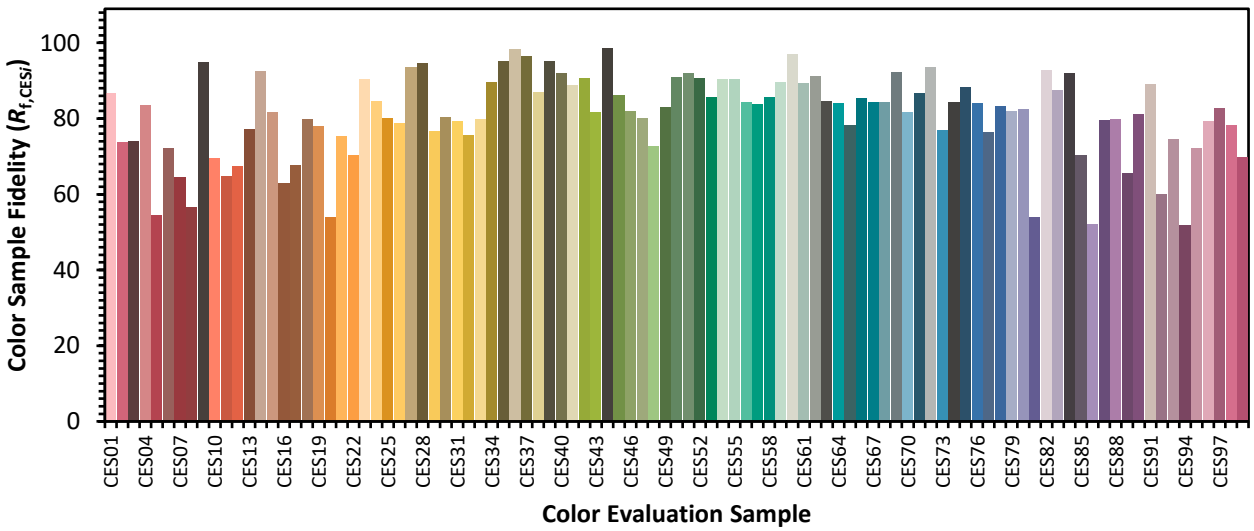


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

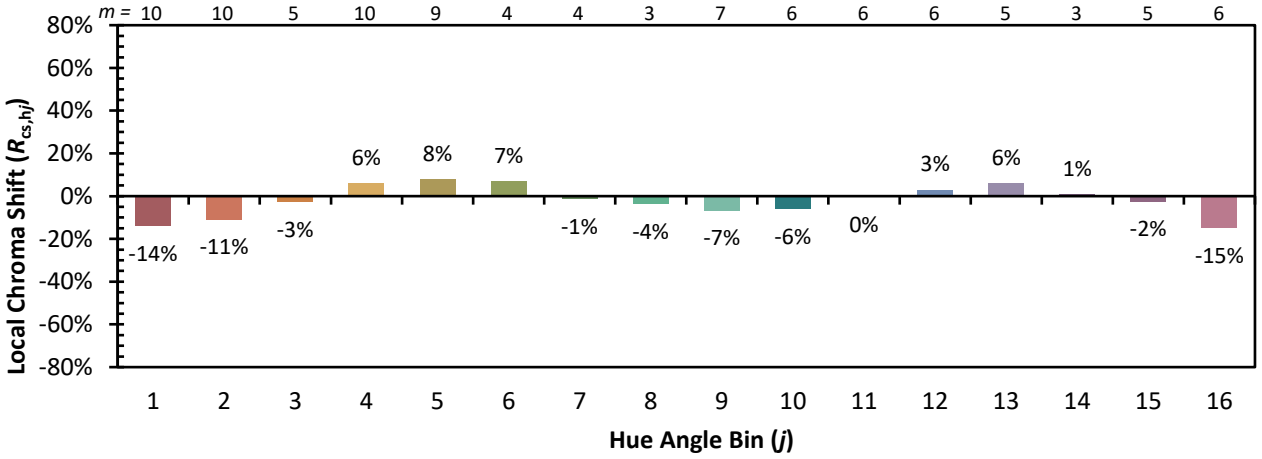
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 84	CES82 = 93
CES08 = 43	CES33 = 80	CES58 = 86	CES83 = 88
CES09 = 29	CES34 = 90	CES59 = 90	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 97	CES85 = 70
CES11 = 62	CES36 = 98	CES61 = 89	CES86 = 52
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 80
CES13 = 45	CES38 = 87	CES63 = 85	CES88 = 80
CES14 = 75	CES39 = 95	CES64 = 84	CES89 = 66
CES15 = 73	CES40 = 92	CES65 = 78	CES90 = 81
CES16 = 49	CES41 = 89	CES66 = 85	CES91 = 89
CES17 = 51	CES42 = 91	CES67 = 84	CES92 = 60
CES18 = 57	CES43 = 82	CES68 = 84	CES93 = 74
CES19 = 74	CES44 = 99	CES69 = 92	CES94 = 52
CES20 = 69	CES45 = 86	CES70 = 82	CES95 = 72
CES21 = 88	CES46 = 82	CES71 = 87	CES96 = 79
CES22 = 81	CES47 = 80	CES72 = 94	CES97 = 83
CES23 = 92	CES48 = 73	CES73 = 77	CES98 = 78
CES24 = 92	CES49 = 83	CES74 = 84	CES99 = 70
CES25 = 73	CES50 = 91	CES75 = 88	

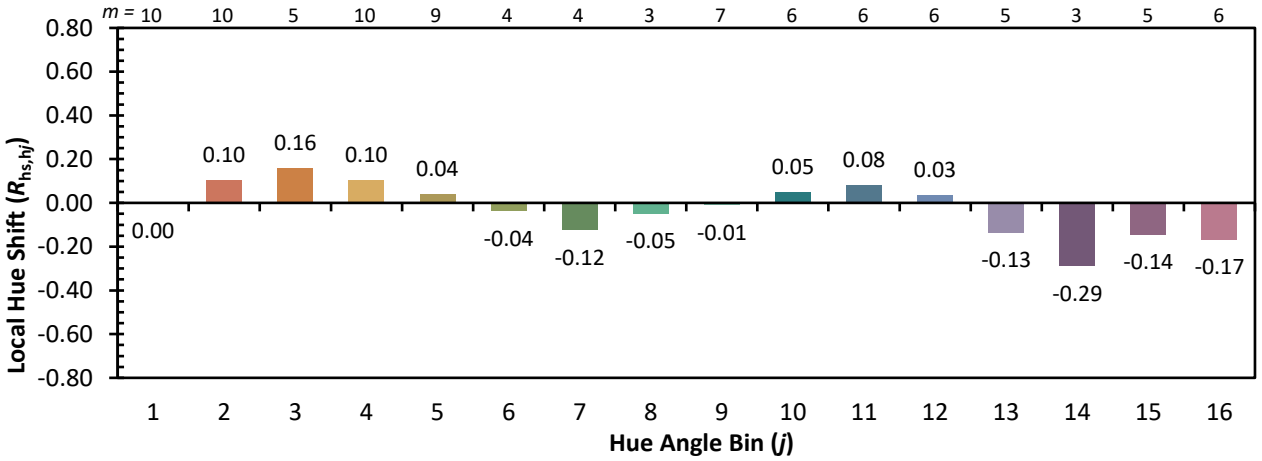


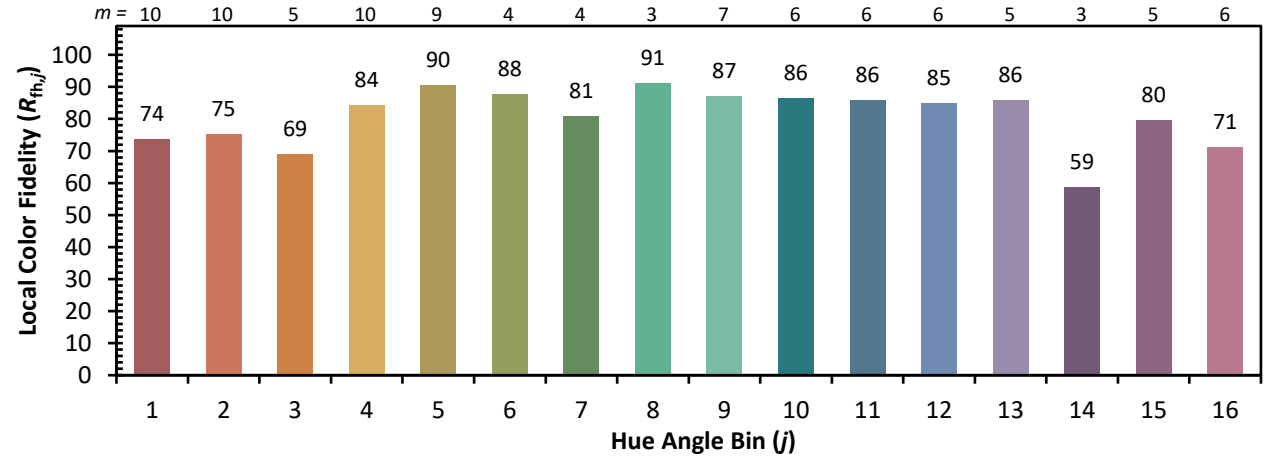
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Color Rendition by Hue-Angle Bin



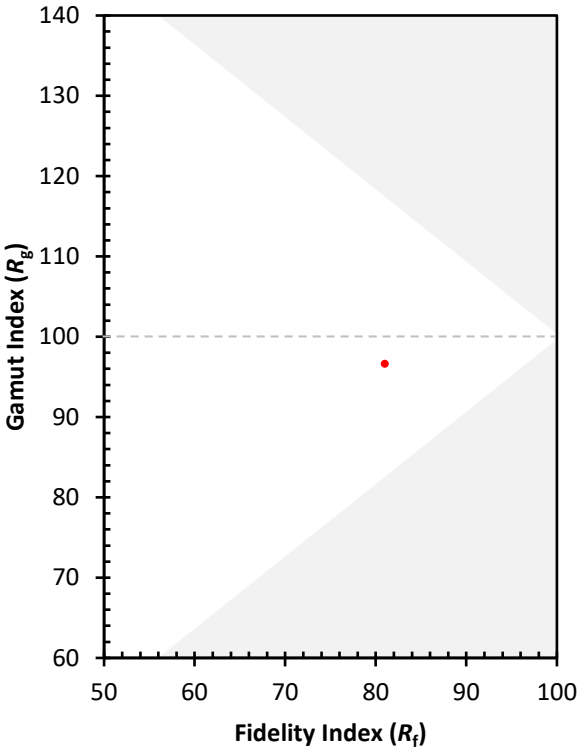


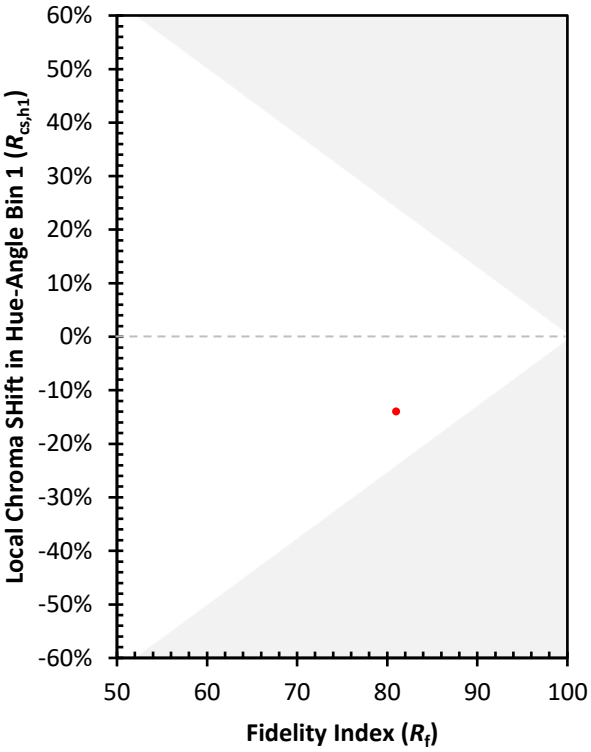


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Measure Comparisons





(END OF REPORT)