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: P1046548

Luminaire Tested: **FFX-CLB-40-722-U-FR-T3-UPLR-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046548
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-722-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4684.2 lumens
Efficiency:	N/A
Efficacy:	118.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U4 - G2

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

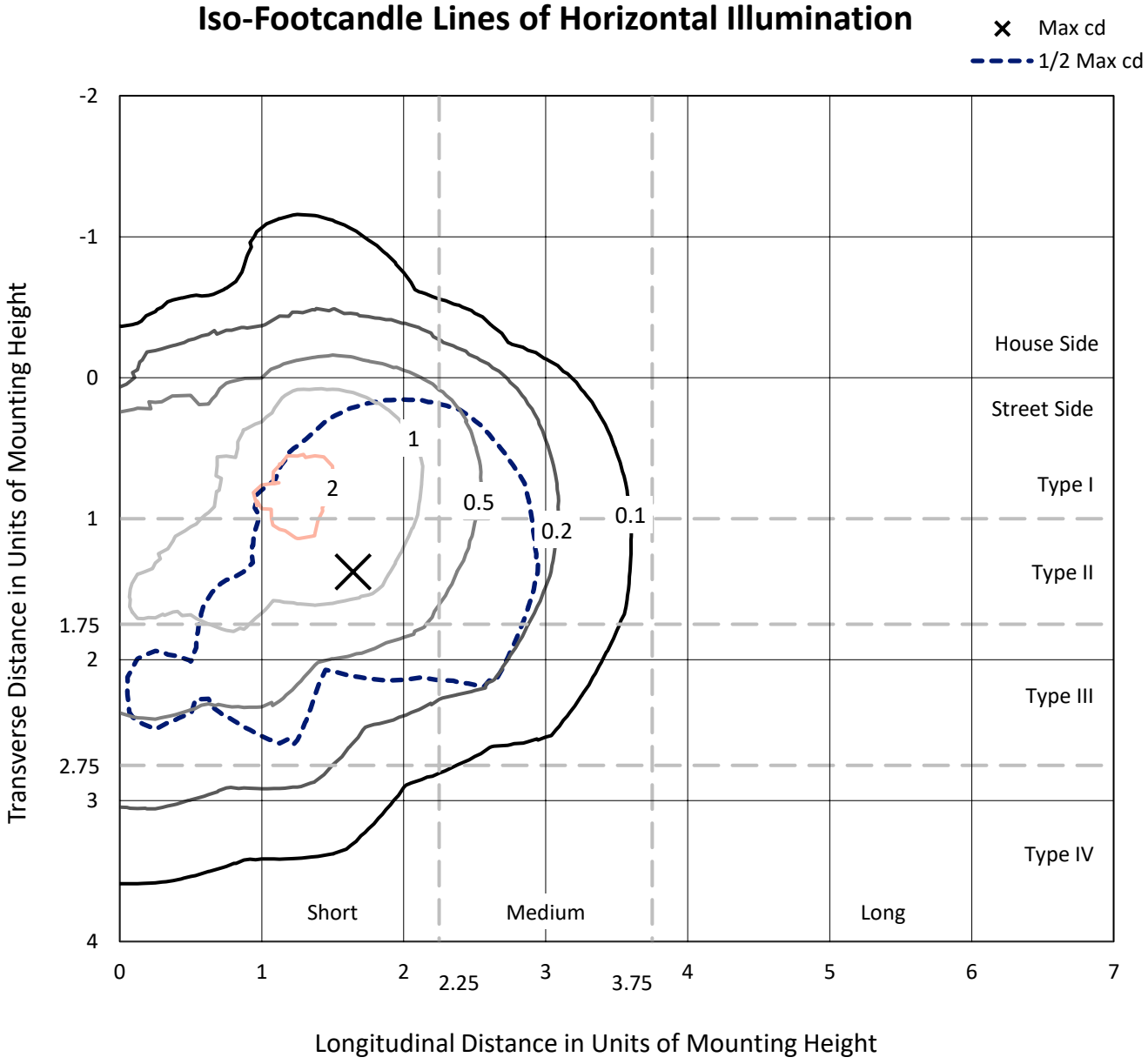


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Iso-Footcandle Lines of Horizontal Illumination



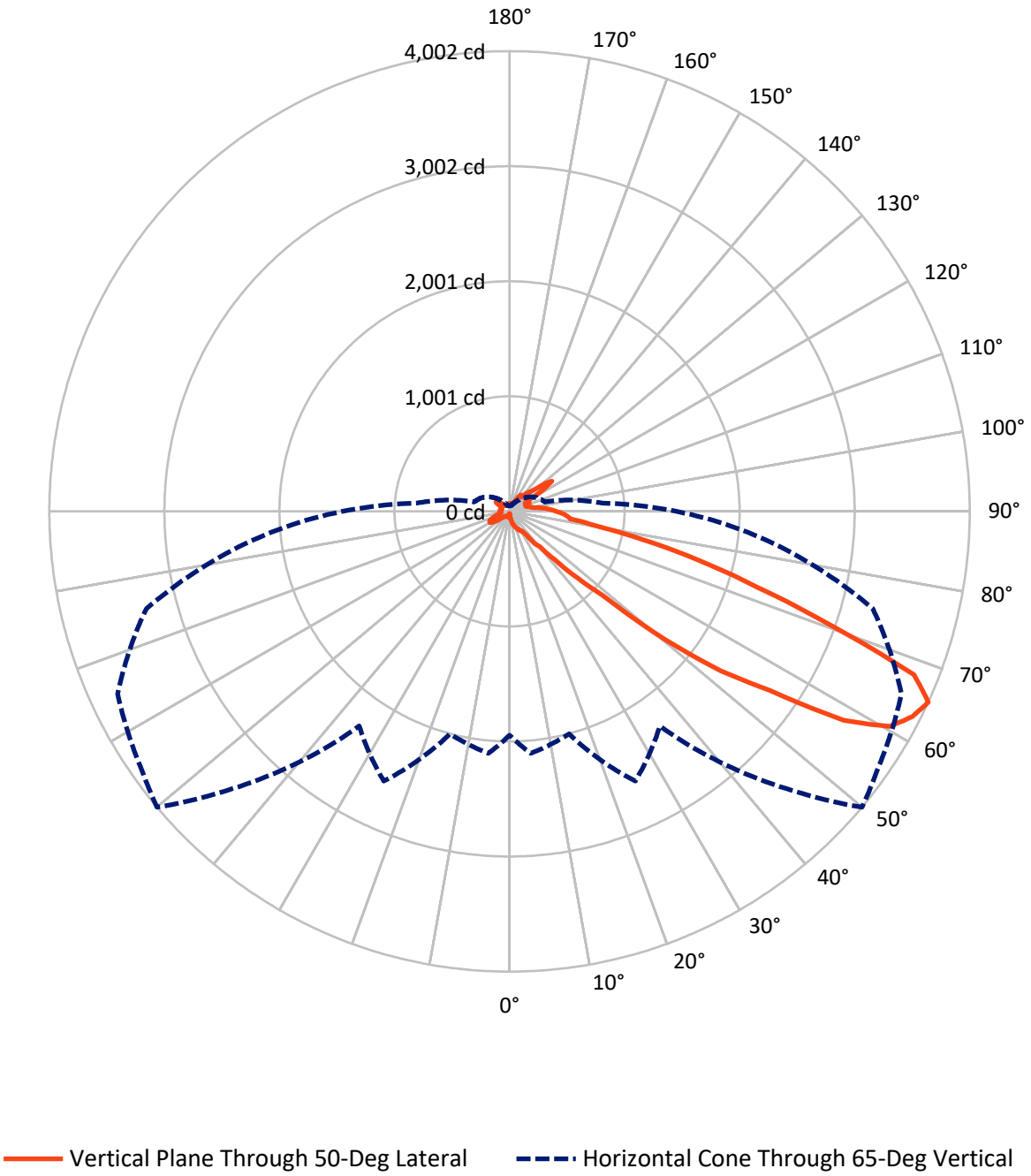
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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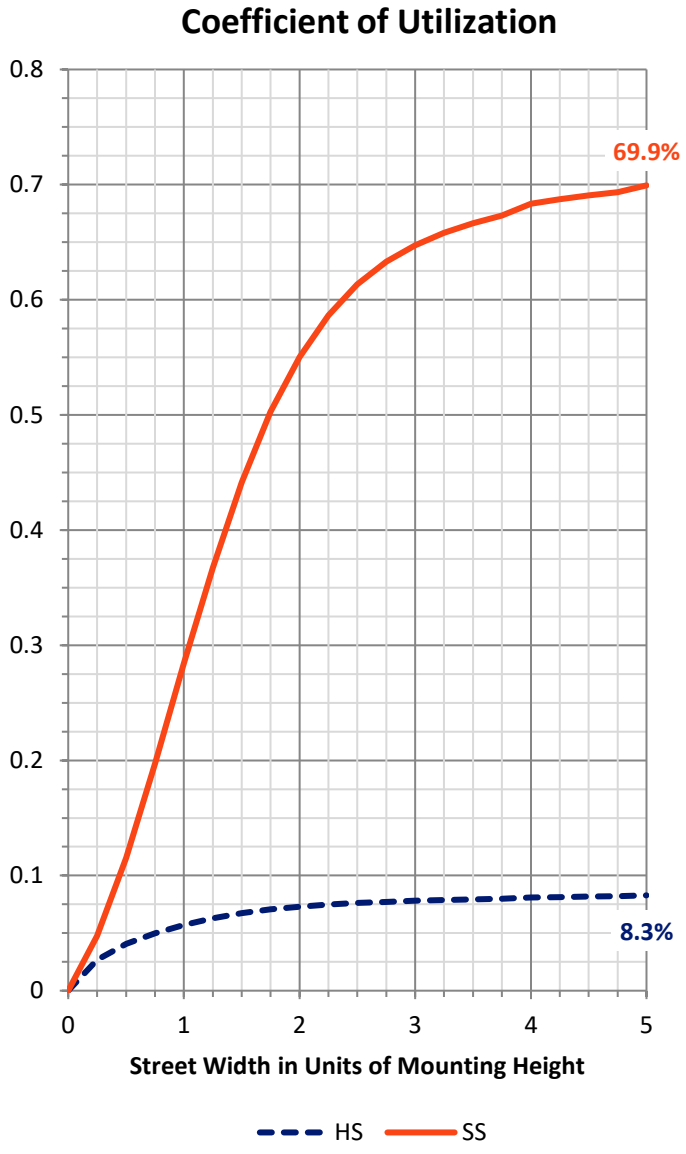
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	410.9	270.5	681.4
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	3388.4	614.4	4002.9
	% Fixture	72.3	13.1	85.5
Total	Lumens	3799.3	884.9	4684.2
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	24.4	0.5
20°-30°	52.2	1.1
30°-40°	104.2	2.2
40°-50°	273.1	5.8
50°-60°	904.7	19.3
60°-70°	1426.7	30.5
70°-80°	745.0	15.9
80°-90°	264.5	5.6
90°-100°	170.7	3.6
100°-110°	115.2	2.5
110°-120°	131.4	2.8
120°-130°	217.8	4.6
130°-140°	124.4	2.7
140°-150°	68.1	1.5
150°-160°	33.4	0.7
160°-170°	17.7	0.4
170°-180°	6.3	0.1
0°-90°	3799.3	81.1
0°-180°	4684.2	100.0



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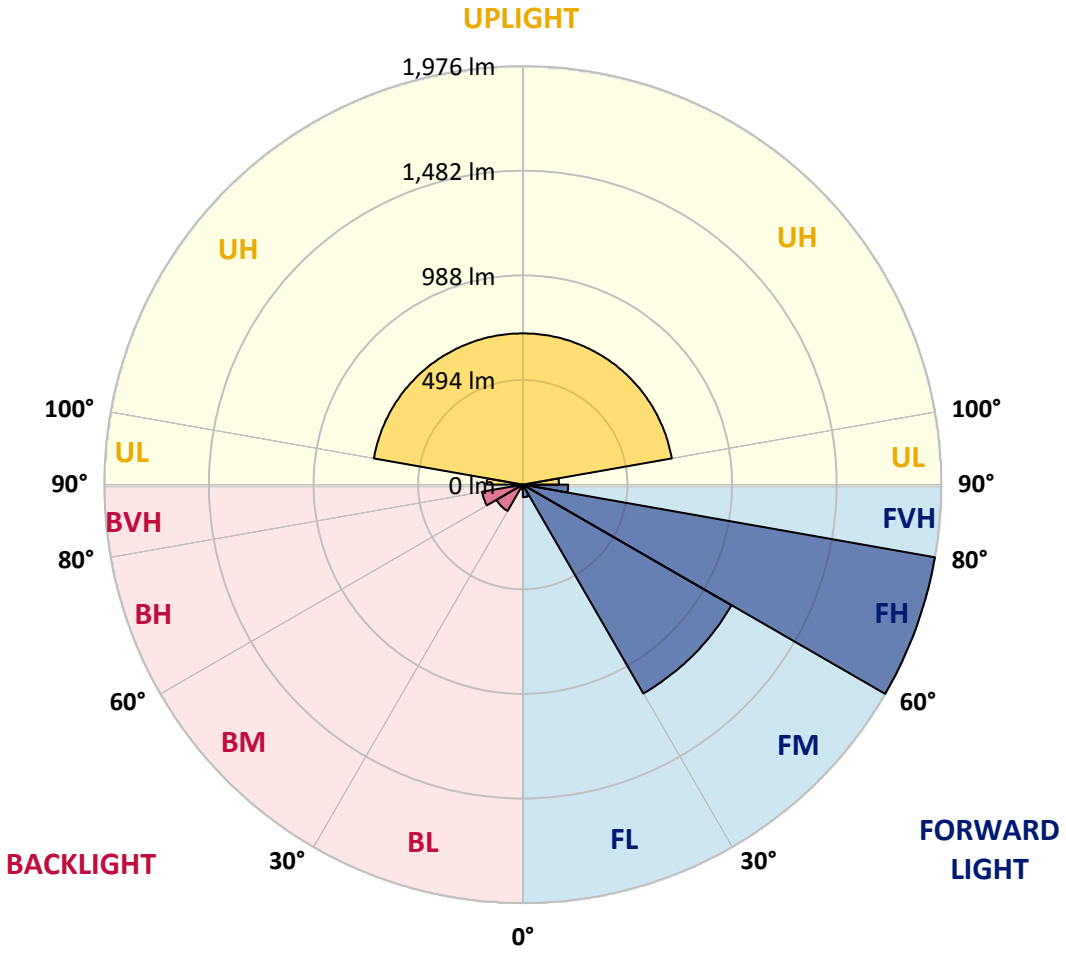
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	59.6	1.3			
FM	(30°-60°)	1138.3	24.3			
FH	(60°-80°)	1976.3	42.2			G2/5000
FVH	(80°-90°)	214.2	4.6			G2/225
BL	(0°-30°)	21.5	0.5	B0/110		
BM	(30°-60°)	143.6	3.1	B0/220		
BH	(60°-80°)	195.4	4.2	B1/500		G1/500
BVH	(80°-90°)	50.3	1.1			G1/100
UL	(90°-100°)	170.7	3.6		U3/500	
UH	(100°-180°)	714.2	15.2		U4/1000	

BUG Rating: B1-U4-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	31.8	31.4	32.1	33.1	32.8	31.8	31.1	30.8	29.8	29.5	28.5
5°	47.0	46.7	46.0	46.7	47.0	45.7	45.0	43.4	41.7	38.7	37.1
7.5°	65.9	66.2	66.9	65.2	64.6	61.6	60.9	59.3	56.6	53.0	52.0
10°	89.4	89.7	91.4	88.7	84.4	80.8	80.1	80.8	83.8	74.5	68.9
12.5°	112.6	111.6	116.5	115.2	109.6	104.3	101.6	102.0	100.6	93.7	84.4
15°	134.1	134.1	137.7	139.0	133.1	120.8	116.9	115.9	115.2	107.9	95.0
17.5°	147.6	148.3	148.6	148.6	146.7	136.4	131.8	129.8	123.8	117.2	105.3
20°	158.9	159.2	156.3	156.6	159.6	150.6	146.0	142.0	135.7	128.8	113.9
22.5°	174.5	173.8	169.2	167.2	173.8	166.2	161.2	156.9	149.3	141.4	127.8
25°	191.7	191.0	186.4	181.4	186.0	179.1	173.8	169.8	162.9	157.6	129.8
27.5°	208.2	207.6	199.6	199.0	195.0	191.7	186.0	185.1	179.8	164.2	128.8
30°	220.5	219.8	211.2	211.5	201.3	203.9	195.6	195.0	188.7	168.2	131.1
32.5°	225.1	225.8	222.1	220.5	206.6	217.2	209.6	206.9	205.2	178.8	142.7
35°	242.0	247.3	252.9	254.9	242.3	262.2	246.6	244.6	248.6	217.5	178.1
37.5°	372.1	369.4	348.6	319.1	312.5	356.2	353.9	355.5	352.9	309.5	235.7
40°	372.4	374.1	360.8	343.0	322.1	366.8	400.9	370.8	414.8	337.3	258.5
42.5°	391.3	386.0	417.5	424.4	401.2	467.8	568.4	454.9	549.9	411.2	351.9
45°	463.1	463.1	468.8	472.1	463.8	631.0	825.6	634.6	734.9	514.4	422.4
47.5°	537.3	531.0	563.1	617.1	649.2	812.1	1089.8	838.5	996.8	691.6	586.3
50°	749.2	758.1	819.7	882.6	930.6	1209.0	1754.6	1436.7	1628.1	1063.3	895.2
52.5°	913.7	966.0	1013.3	1189.8	1211.3	1651.9	2306.4	1927.7	2085.9	1494.0	1108.3
55°	1083.5	1187.1	1215.3	1526.8	1551.3	2122.7	2745.7	2441.8	2486.5	1969.7	1315.9
57.5°	1394.7	1539.4	1549.0	1881.3	1880.3	2734.8	3428.0	3179.7	3145.9	2508.3	1634.0
60°	1662.5	1827.4	1768.5	2228.9	2125.7	3186.0	3797.8	3547.5	3473.7	2940.4	1857.8
62.5°	1825.1	1986.0	1913.5	2458.0	2282.2	3401.8	3931.5	3785.5	3659.7	3201.9	2040.2
65°	1946.2	2112.1	2003.5	2588.1	2279.3	3412.4	4002.4	3908.0	3760.7	3270.1	2080.3
67.5°	1930.3	2092.2	1962.1	2536.5	2120.0	3107.5	3794.1	3676.6	3494.5	3006.9	1945.6
70°	1673.8	1771.4	1628.4	2160.4	1695.0	2403.7	2955.6	2887.7	2712.6	2301.8	1504.9
72.5°	1408.9	1433.1	1299.0	1691.0	1321.5	1751.2	2245.8	2173.3	2058.5	1708.2	1137.5
75°	1088.2	1088.2	1011.3	1267.9	981.9	1242.8	1699.9	1681.4	1610.5	1281.8	863.7
77.5°	734.9	696.5	684.9	856.4	678.3	820.0	1183.5	1227.2	1208.7	917.7	629.7
80°	428.4	437.6	421.4	528.7	446.3	536.3	759.4	817.0	815.4	609.5	413.1
82.5°	334.0	340.6	323.8	380.7	340.6	422.1	532.3	528.7	541.3	441.6	310.9
85°	329.1	334.0	316.5	351.9	327.1	400.9	500.2	499.2	496.6	408.8	292.0
87.5°	299.3	305.9	290.7	319.1	296.6	366.1	454.5	459.8	452.2	383.4	280.7
90°	250.3	257.2	250.6	283.7	260.5	315.8	395.3	399.2	392.6	341.6	253.3
92.5°	225.1	229.7	221.8	250.6	226.1	277.4	349.3	351.6	341.3	300.6	219.2
95°	207.6	212.2	202.3	223.5	199.6	244.6	297.3	304.9	289.7	253.6	186.7
97.5°	172.5	169.5	165.5	183.7	165.2	192.7	227.4	233.1	223.5	196.6	148.6
100°	149.3	150.3	148.6	161.9	145.0	165.5	192.7	195.0	191.0	171.5	134.4
102.5°	144.7	145.0	148.0	156.9	137.4	152.3	175.5	176.8	175.8	157.2	124.1
105°	143.3	143.0	144.7	154.3	134.1	139.4	161.6	162.2	158.9	146.3	116.2
107.5°	135.4	136.4	136.1	144.7	131.8	132.4	146.7	146.3	145.7	134.1	109.9
110°	155.3	153.6	146.7	147.0	134.4	137.7	152.0	150.3	147.0	140.0	119.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	220.8	216.2	208.2	182.1	168.8	178.1	*187.7*	189.4	185.7	179.4	151.6
115°	245.0	244.3	235.4	218.2	174.5	177.8	*184.1*	186.7	191.0	178.8	155.3
117.5°	200.9	211.9	198.0	200.3	175.5	154.3	*153.3*	148.0	150.3	149.0	143.7
120°	253.6	255.6	227.4	222.1	204.9	211.9	*212.2*	212.9	205.9	172.5	152.0
122.5°	356.5	356.5	364.5	379.0	370.1	357.5	*350.2*	343.0	333.4	301.6	257.9
125°	452.2	451.5	447.2	454.5	445.6	450.6	*452.9*	454.9	444.6	405.9	346.3
127.5°	364.5	373.8	389.3	428.7	403.9	396.9	*390.3*	394.9	387.3	380.0	343.0
130°	282.4	283.4	308.9	334.0	332.0	309.9	*302.2*	289.0	292.0	291.0	268.8
132.5°	241.3	242.7	257.6	271.8	283.7	267.5	*252.6*	245.6	248.0	246.3	232.1
135°	210.9	210.9	205.6	203.9	213.9	228.8	*227.1*	218.2	213.9	208.9	187.7
137.5°	182.4	181.7	172.1	166.8	174.8	194.0	*195.3*	195.3	191.0	179.1	163.9
140°	150.3	149.3	144.3	145.3	147.3	160.2	*161.2*	164.2	163.5	153.9	135.4
142.5°	113.9	114.2	121.5	129.8	134.4	162.2	*157.9*	154.6	165.2	164.5	118.2
145°	152.0	148.6	148.6	145.0	155.9	183.4	*174.8*	177.4	191.3	178.4	127.8
147.5°	139.4	141.0	141.4	140.7	154.6	156.3	*150.0*	150.3	155.3	155.3	130.8
150°	107.9	105.3	105.9	107.3	121.8	120.8	*115.2*	114.9	118.8	117.9	106.9
152.5°	85.4	85.1	84.7	86.1	98.0	93.0	*90.7*	89.7	89.1	88.1	85.4
155°	80.4	80.1	79.5	81.1	88.1	85.7	*84.4*	84.4	82.8	81.1	79.5
157.5°	71.5	71.2	71.5	74.8	78.8	76.1	*75.8*	75.5	74.8	72.8	72.2
160°	66.9	66.5	67.2	69.9	71.5	69.2	*68.5*	68.9	68.5	67.5	68.9
162.5°	63.2	63.2	63.2	64.9	65.5	63.9	*63.6*	63.9	64.2	64.2	65.9
165°	61.2	61.2	61.6	62.6	62.6	61.9	*61.2*	61.2	62.9	63.6	64.9
167.5°	62.6	62.6	62.9	63.2	63.2	62.6	*62.6*	62.9	63.9	64.6	64.6
170°	64.6	64.6	64.6	64.9	64.6	63.6	*63.6*	63.6	63.9	63.9	64.2
172.5°	66.9	66.9	66.9	66.5	65.9	65.5	*64.9*	64.9	65.2	64.9	65.2
175°	70.2	69.9	69.9	69.5	69.2	68.9	*68.5*	68.2	68.2	67.2	67.2
177.5°	71.8	71.5	71.8	71.8	71.5	70.8	*70.2*	70.2	69.9	69.2	68.9
180°	69.2	69.2	69.2	69.2	69.2	69.2	*69.2*	69.2	69.2	69.2	69.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	27.8	26.8	24.2	21.8	20.2	19.5	19.5	18.5	17.2	16.2	15.9
5°	36.7	36.1	35.1	33.8	30.8	26.8	23.5	22.2	21.5	21.2	20.9
7.5°	52.0	52.6	54.0	53.6	48.0	37.4	31.1	30.8	34.4	38.4	39.7
10°	67.2	66.5	70.8	74.5	60.6	42.4	32.1	31.1	36.1	43.0	44.0
12.5°	80.4	77.1	74.8	70.8	57.9	42.4	34.4	32.4	34.8	40.1	40.1
15°	90.4	86.1	76.5	67.2	55.6	43.7	35.8	34.4	34.4	32.8	33.1
17.5°	98.0	90.0	76.1	64.2	51.6	41.7	35.4	31.8	29.8	27.1	26.5
20°	106.9	101.3	82.8	66.2	51.0	40.4	34.4	30.1	27.8	26.8	26.5
22.5°	116.5	104.9	87.1	66.9	51.0	41.0	34.1	29.5	27.5	26.8	26.8
25°	117.5	107.6	89.4	69.5	52.6	42.4	34.8	29.8	27.8	27.1	26.8
27.5°	116.2	109.2	93.4	72.5	54.3	43.7	36.1	30.5	27.8	26.8	26.5
30°	121.2	115.5	98.0	74.5	55.9	45.4	37.4	31.8	28.5	26.5	26.2
32.5°	133.7	125.8	104.3	75.8	56.6	45.7	38.7	33.1	29.1	26.8	26.5
35°	166.8	159.6	128.4	80.4	56.6	46.3	39.7	34.1	29.8	27.1	26.8
37.5°	214.8	201.3	157.9	96.0	57.3	47.7	40.7	35.4	30.8	27.8	27.1
40°	227.8	192.3	134.1	86.1	58.6	49.0	42.4	36.7	32.1	28.8	28.5
42.5°	295.6	246.0	165.5	91.0	62.6	50.0	43.4	38.1	33.1	29.8	29.1
45°	316.5	246.3	168.2	105.3	73.5	54.3	45.0	39.1	33.8	30.5	30.1
47.5°	414.8	305.6	171.5	112.9	82.4	62.6	49.0	40.4	34.4	31.1	30.8
50°	608.1	431.0	212.9	141.0	102.0	76.5	57.6	43.0	35.1	32.1	31.4
52.5°	758.8	517.1	230.7	172.5	135.4	101.0	72.5	50.0	37.1	32.8	32.1
55°	924.9	635.3	262.2	207.9	164.2	126.5	92.0	60.3	41.0	33.8	33.1
57.5°	1153.7	758.4	307.9	245.3	199.3	147.6	104.9	70.5	46.3	36.1	34.8
60°	1292.7	810.7	315.2	265.5	220.1	164.5	110.6	74.8	52.0	39.4	37.4
62.5°	1425.8	846.8	317.1	273.4	225.1	167.8	111.2	72.8	54.0	44.0	41.4
65°	*1453.0*	*811.1*	*317.8*	*275.1*	*219.2*	*159.2*	*107.6*	*70.8*	*51.6*	*48.0*	*48.3*
67.5°	1361.3	720.4	294.6	263.2	203.3	142.0	96.7	67.9	51.0	47.3	48.3
70°	1070.3	564.4	269.1	244.0	172.5	120.8	86.1	63.9	51.0	45.7	44.7
72.5°	830.9	482.3	275.8	231.7	147.6	107.9	77.8	59.6	49.3	45.4	44.7
75°	644.9	402.6	271.8	203.9	120.5	92.7	69.9	54.6	47.0	44.7	44.4
77.5°	471.4	317.5	224.8	156.3	100.0	78.8	61.6	51.3	45.7	43.7	43.4
80°	303.2	222.1	156.6	124.8	87.7	71.8	57.6	49.0	45.0	43.7	43.4
82.5°	255.6	201.6	141.0	118.2	84.7	73.2	60.3	51.3	47.3	46.0	45.7
85°	246.0	207.6	145.0	123.1	81.1	69.9	58.9	51.3	47.7	46.0	45.7
87.5°	233.7	187.7	143.0	113.2	78.1	67.2	57.9	52.6	49.0	48.0	47.7
90°	211.5	165.5	131.1	105.3	82.4	71.5	63.9	58.3	54.6	52.3	51.6
92.5°	178.4	133.1	112.6	103.9	90.4	81.1	73.5	68.5	64.6	62.2	61.2
95°	150.3	116.2	98.0	92.0	79.8	72.8	65.5	61.9	58.9	56.9	56.9
97.5°	122.5	99.6	91.0	86.4	76.5	68.9	62.9	59.3	58.3	57.6	57.3
100°	115.2	97.7	91.7	87.7	79.8	72.8	68.2	64.9	64.6	64.2	64.2
102.5°	106.9	92.4	85.7	81.8	73.8	67.9	64.6	61.9	60.9	59.9	58.9
105°	101.0	87.4	82.4	77.1	70.8	64.9	61.6	57.6	56.9	56.6	56.6
107.5°	98.0	86.7	84.1	75.8	69.9	67.2	63.2	58.3	57.3	55.9	55.9
110°	108.3	96.3	88.7	78.5	72.2	69.9	68.9	64.6	61.2	57.3	56.9

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

Scaled Data Report

REPORT NUMBER: P1046548
CATALOG NUMBER: FFX-CLB-40-722-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	134.1	117.9	108.9	93.7	80.8	75.1	70.8	66.2	64.2	61.6	60.6
115°	144.3	127.8	116.5	101.3	86.4	76.5	70.2	69.5	67.5	65.9	67.5
117.5°	148.0	116.2	96.0	92.4	81.1	73.2	70.2	69.2	69.9	69.9	66.9
120°	159.6	125.5	117.9	113.2	92.0	79.1	72.5	75.8	75.1	71.2	71.2
122.5°	238.0	212.5	187.4	156.3	129.8	114.5	92.0	77.1	74.2	71.5	69.9
125°	313.5	290.7	251.3	209.9	164.2	121.5	91.4	80.8	75.1	71.8	72.5
127.5°	319.5	295.3	250.3	199.6	146.7	113.5	92.0	82.8	76.5	72.8	72.2
130°	249.6	232.4	198.6	161.6	124.5	101.6	85.1	75.8	70.2	66.9	66.2
132.5°	220.8	206.2	171.2	138.7	113.5	94.3	80.1	69.9	65.9	63.6	63.2
135°	176.4	164.2	140.7	123.1	105.6	89.7	75.5	65.9	62.2	61.9	61.2
137.5°	154.6	144.7	126.5	111.9	97.3	82.1	70.2	62.2	60.6	60.9	59.9
140°	126.1	121.8	111.6	99.0	83.4	67.5	59.3	56.6	59.3	60.6	60.6
142.5°	108.3	102.6	91.0	76.5	66.5	59.3	58.3	57.3	58.6	59.3	59.3
145°	99.6	93.0	83.4	78.1	73.5	67.2	61.9	57.3	55.9	56.3	56.3
147.5°	112.6	104.9	98.7	88.7	77.5	66.9	58.9	53.6	53.6	55.0	55.3
150°	93.4	86.7	82.4	76.8	68.2	59.6	54.0	51.3	52.3	55.0	55.3
152.5°	78.1	70.2	67.5	64.2	59.6	55.0	52.3	51.0	52.6	54.6	54.6
155°	76.1	69.2	65.9	62.6	58.3	54.3	52.0	51.3	53.0	54.3	54.6
157.5°	71.5	67.5	63.2	60.6	57.3	54.3	52.6	52.0	53.3	54.3	54.6
160°	68.9	66.5	61.6	59.3	56.3	54.3	54.0	54.0	54.6	55.0	55.0
162.5°	65.9	64.6	61.6	59.6	57.6	56.6	57.3	57.6	57.6	57.3	57.3
165°	64.9	64.2	61.6	59.9	58.9	59.3	60.6	60.9	59.9	59.3	59.3
167.5°	64.6	64.6	62.6	61.2	60.9	61.6	62.9	62.9	61.9	60.6	60.3
170°	64.6	64.9	64.2	64.2	63.6	63.9	64.2	64.2	63.6	62.9	62.6
172.5°	65.5	65.5	65.5	65.5	65.2	65.5	65.9	65.9	65.9	65.5	65.5
175°	67.2	67.2	67.2	66.9	66.5	66.5	66.9	67.2	67.5	67.5	67.5
177.5°	68.9	68.5	68.2	68.5	68.2	68.2	68.9	69.2	69.5	69.5	69.5
180°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2

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

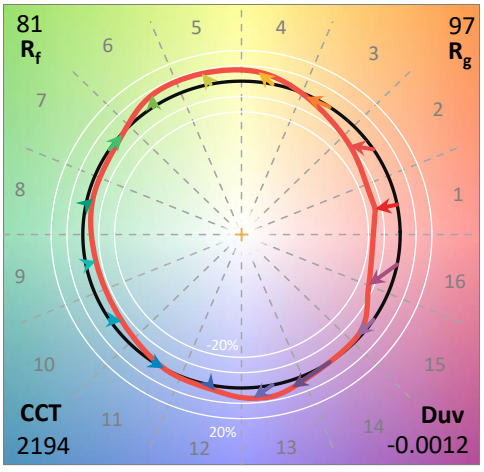
Test Information

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

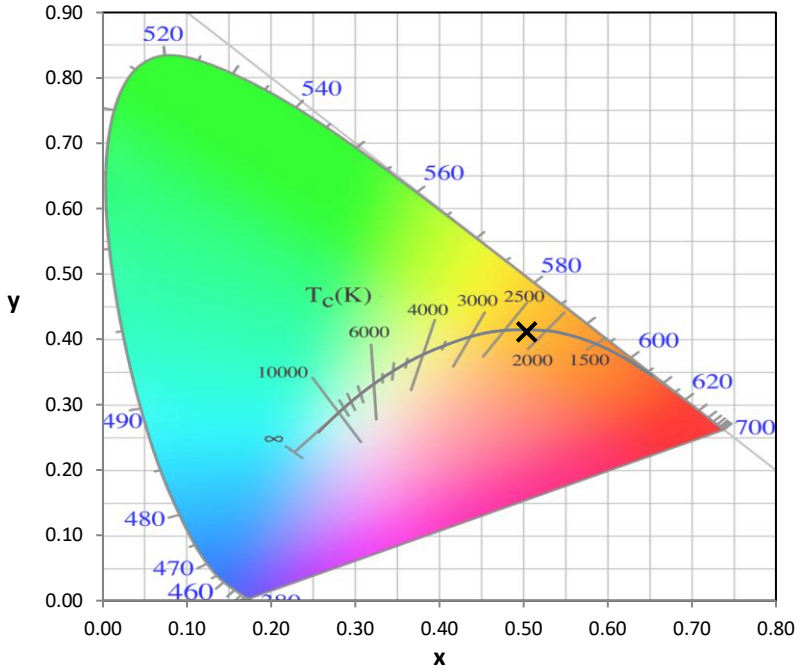
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-7

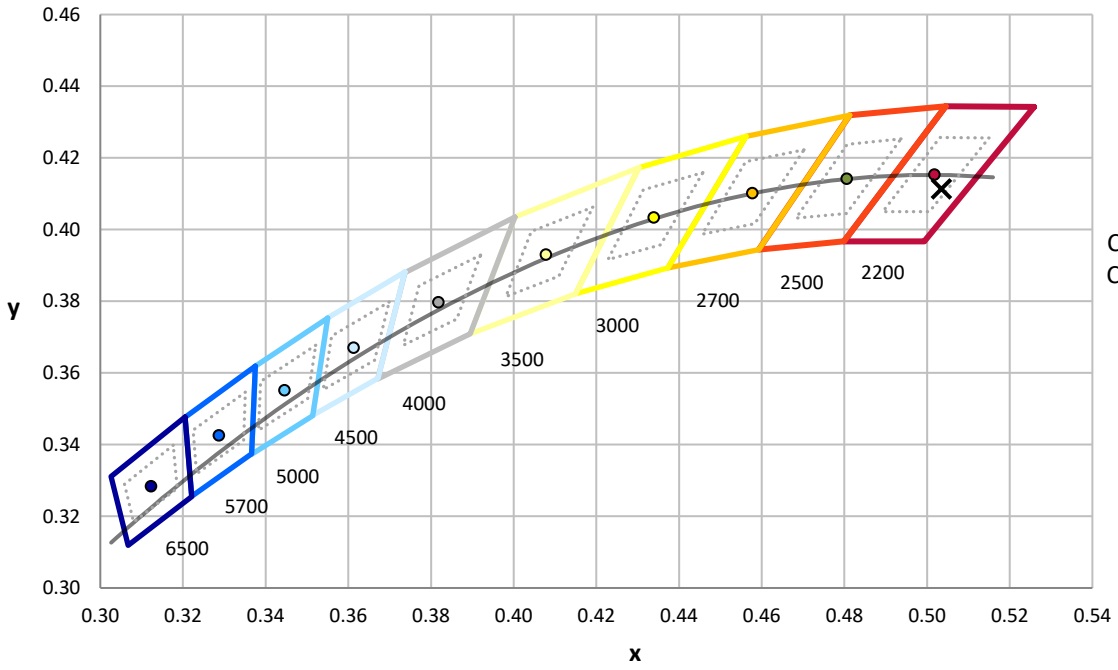
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

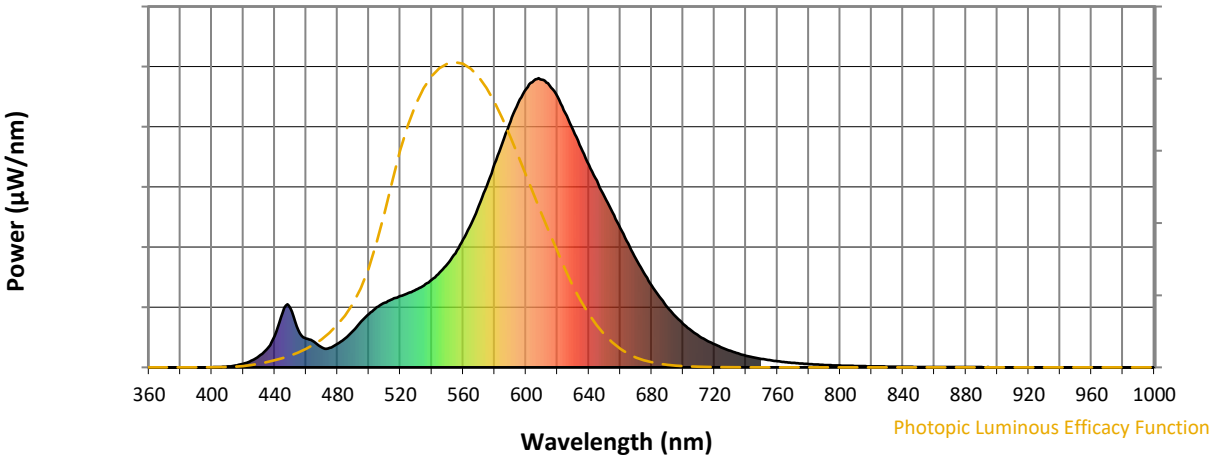


CCT = 2194K
CIE x = 0.5035
CIE y = 0.4113
Duv = -0.0012

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-7

Photopic Flux vs. Wavelength

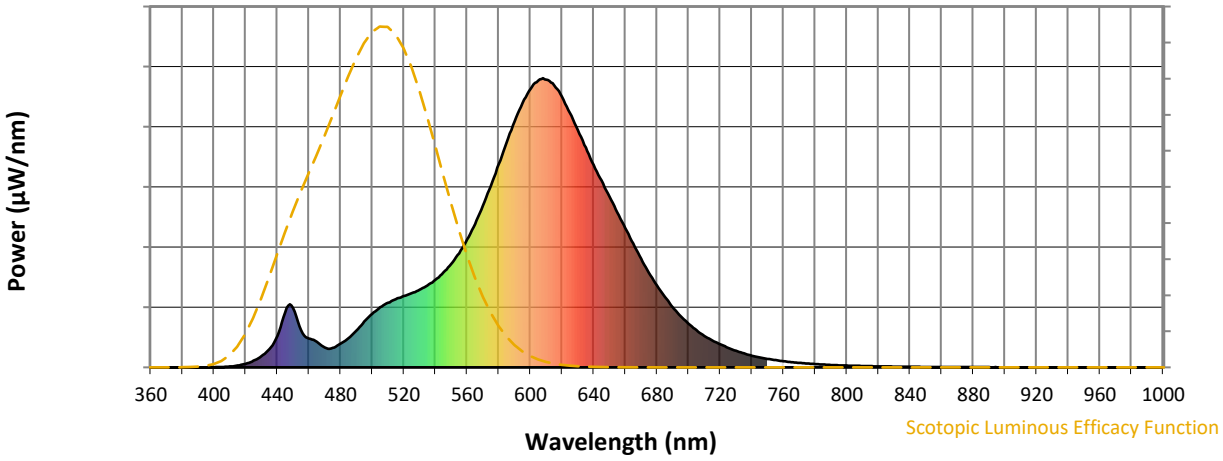


Photopic Lumens: NR

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

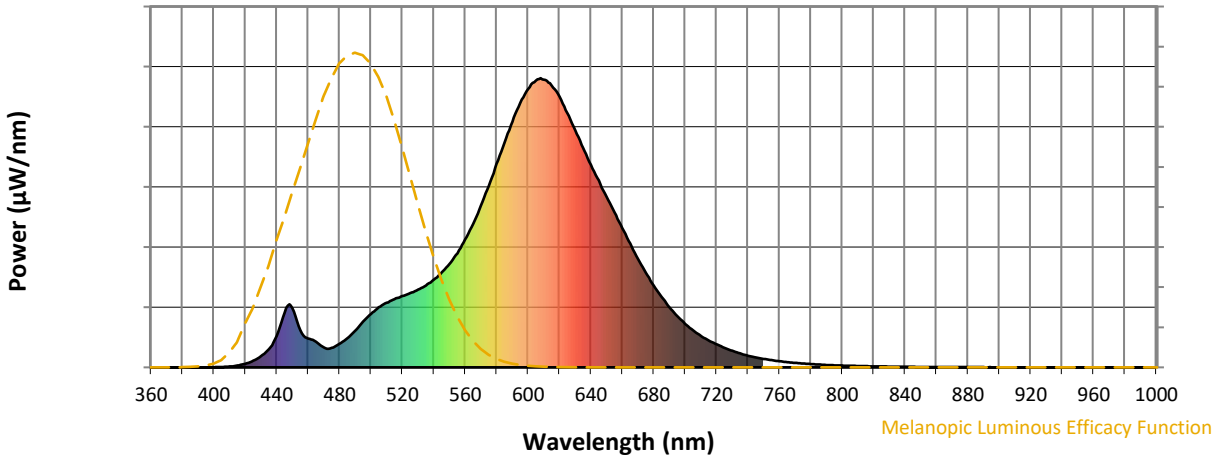


Scotopic Lumens: NR **S/P: 0.96**

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			

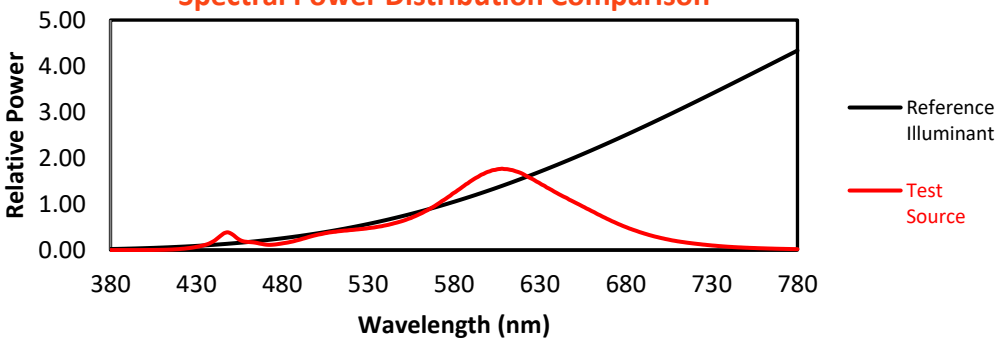
REPORT NUMBER: SP1-2501-332-7

TM-30-18

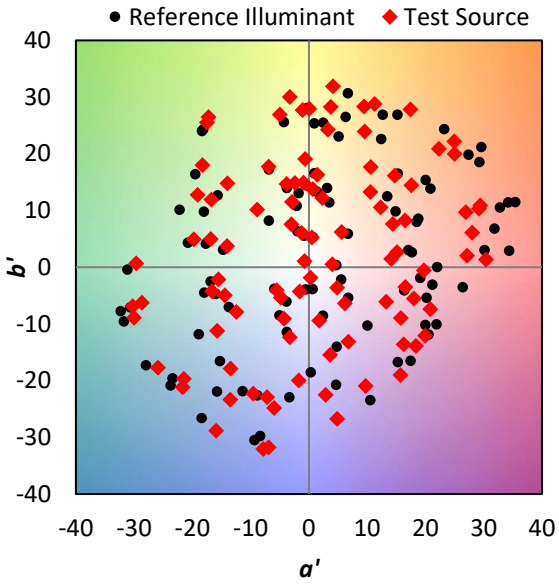
Summary

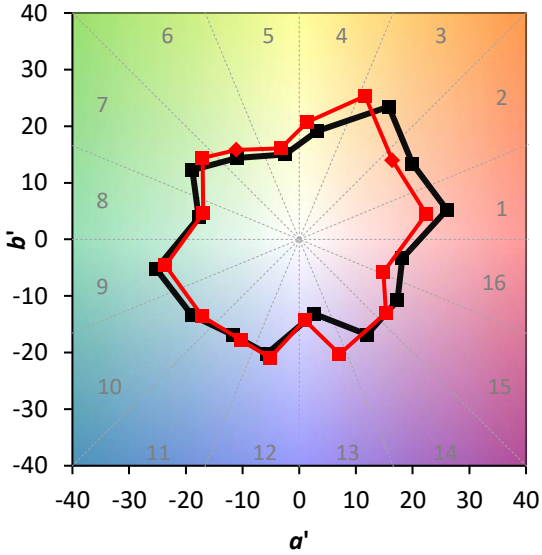
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R_g = 96.6
CIE R_a = 76.9
R_9 = -13.4

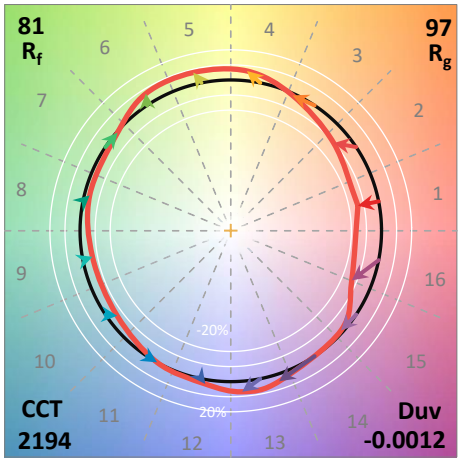
Spectral Power Distribution Comparison

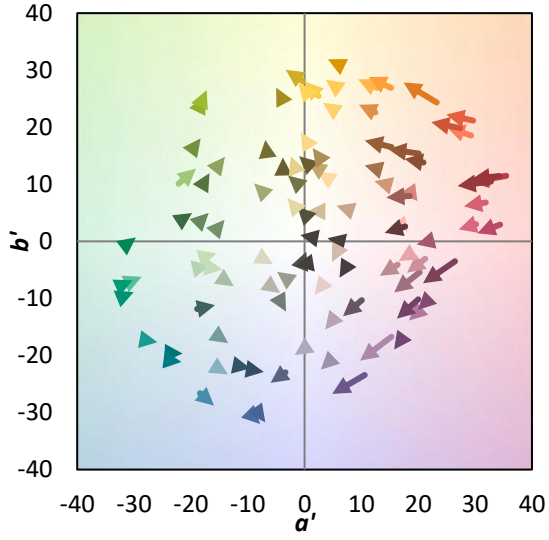


Color Vector Graphics







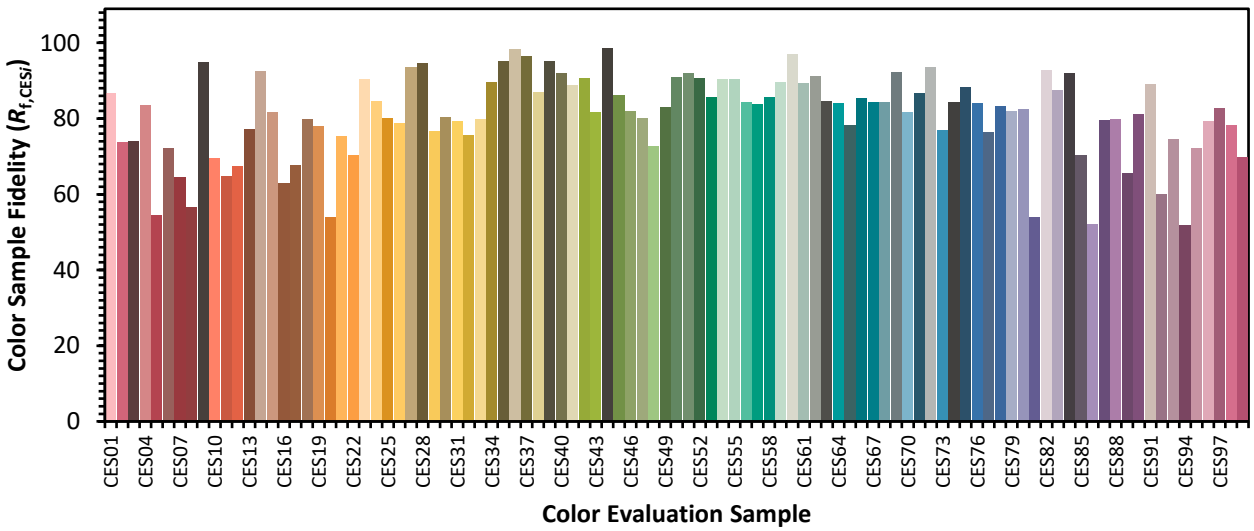


REPORT NUMBER: SP1-2501-332-7

TM-30-18

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

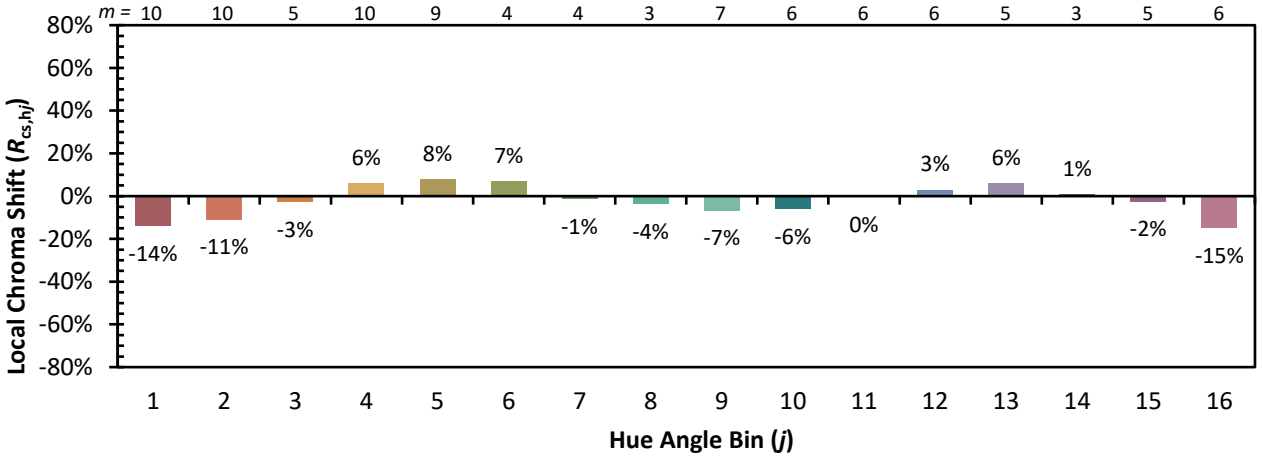
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CES02 = 65	CES27 = 94	CES52 = 91	CES77 = 76
CES03 = 32	CES28 = 95	CES53 = 86	CES78 = 83
CES04 = 72	CES29 = 77	CES54 = 90	CES79 = 82
CES05 = 52	CES30 = 80	CES55 = 90	CES80 = 82
CES06 = 52	CES31 = 79	CES56 = 84	CES81 = 54
CES07 = 44	CES32 = 76	CES57 = 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	

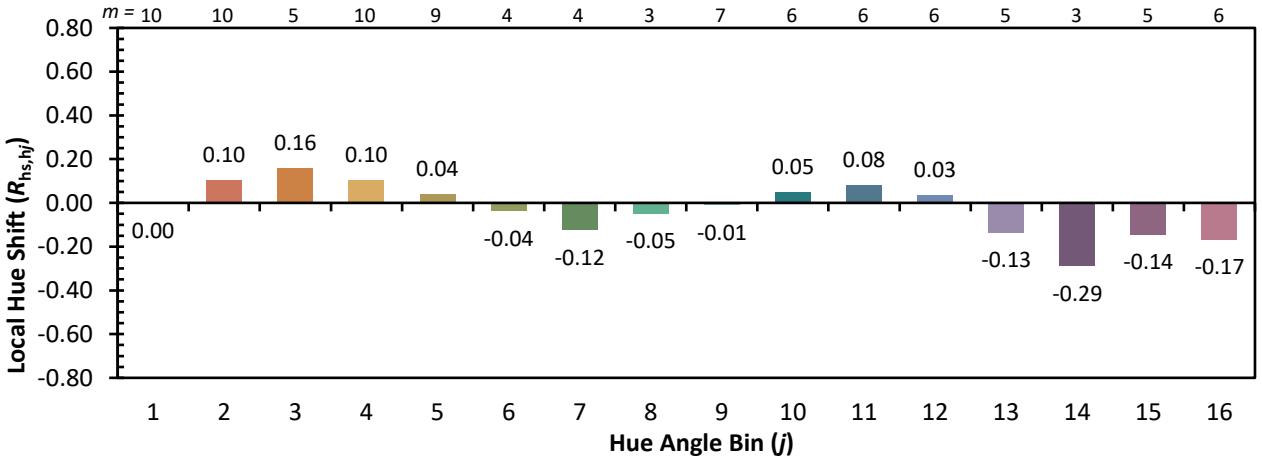


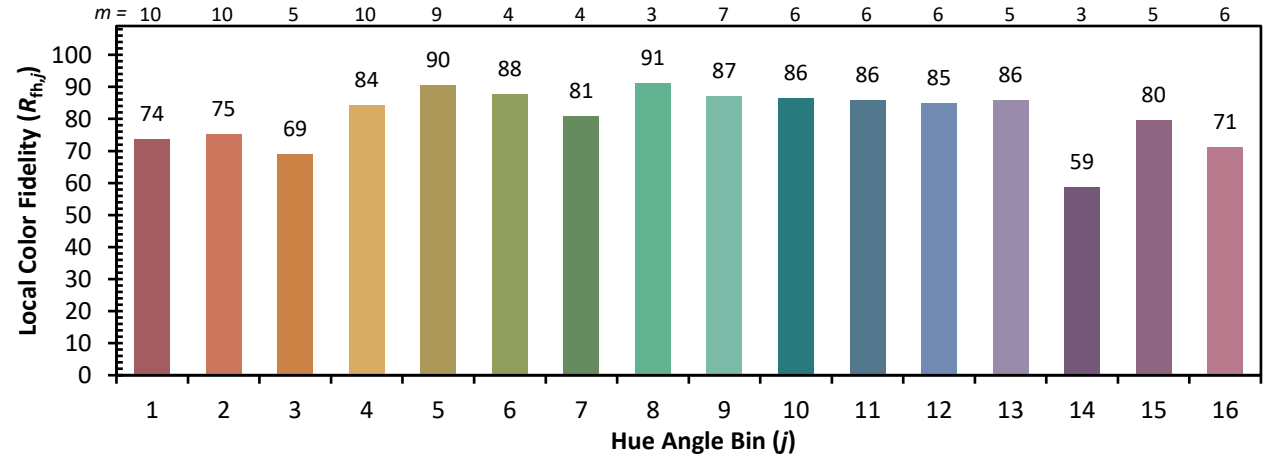
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Color Rendition by Hue-Angle Bin



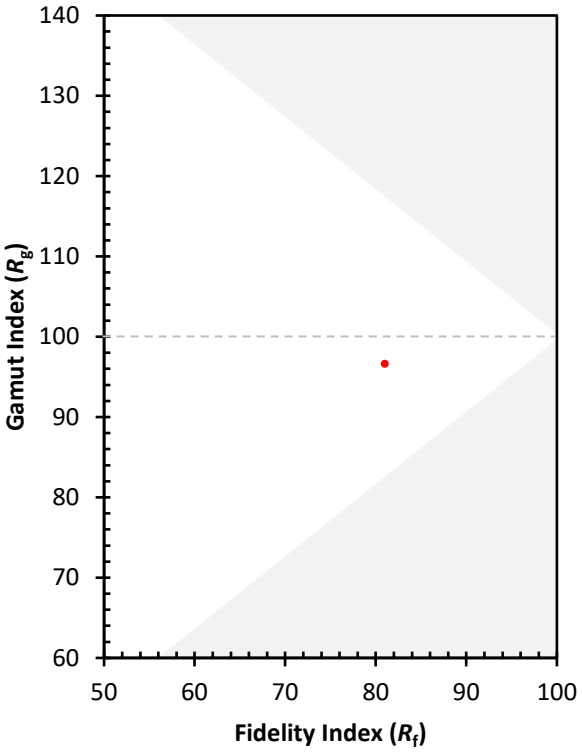


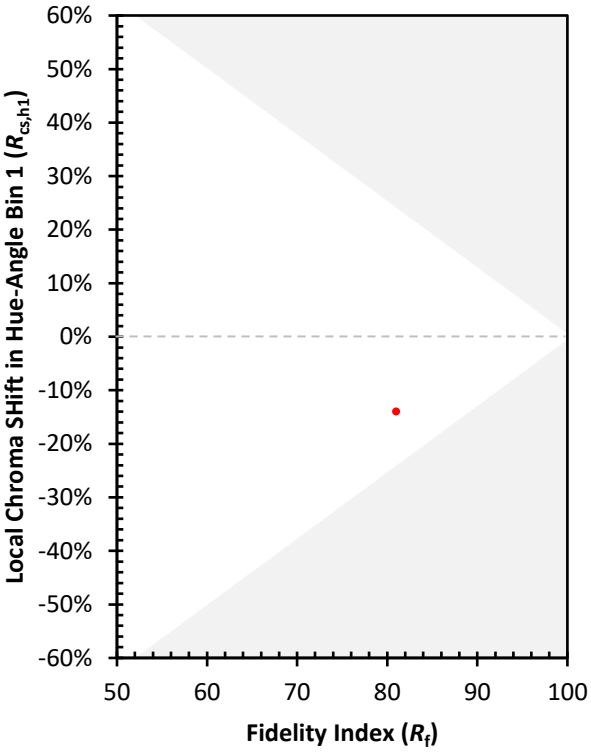


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Measure Comparisons





(END OF REPORT)