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: P1045801

Luminaire Tested: **FFX-CLB-40-730-U-FR-T5-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:	P1045801
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-730-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4190.6 lumens
Efficiency:	N/A
Efficacy:	106.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - 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

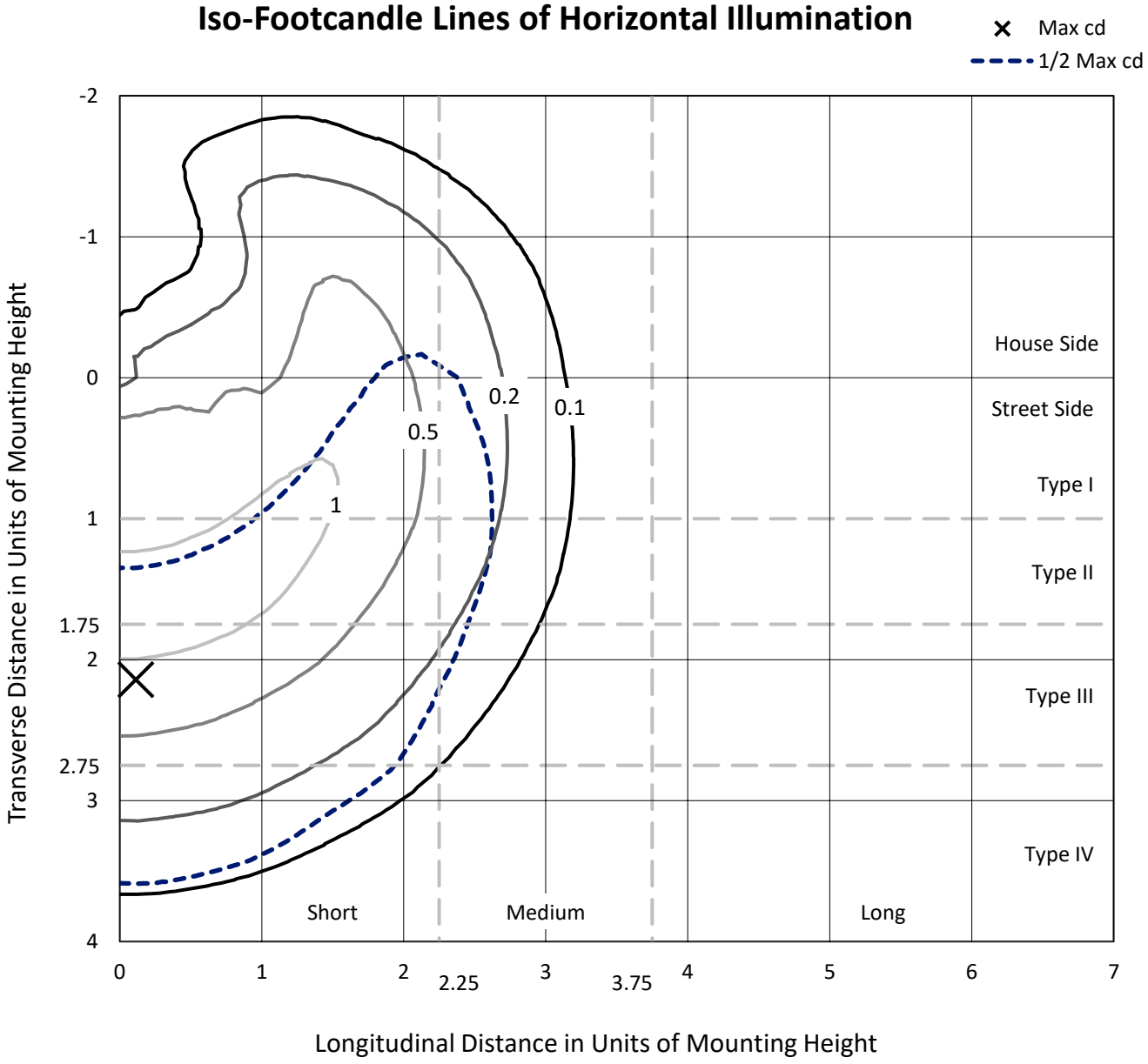


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Iso-Footcandle Lines of Horizontal Illumination



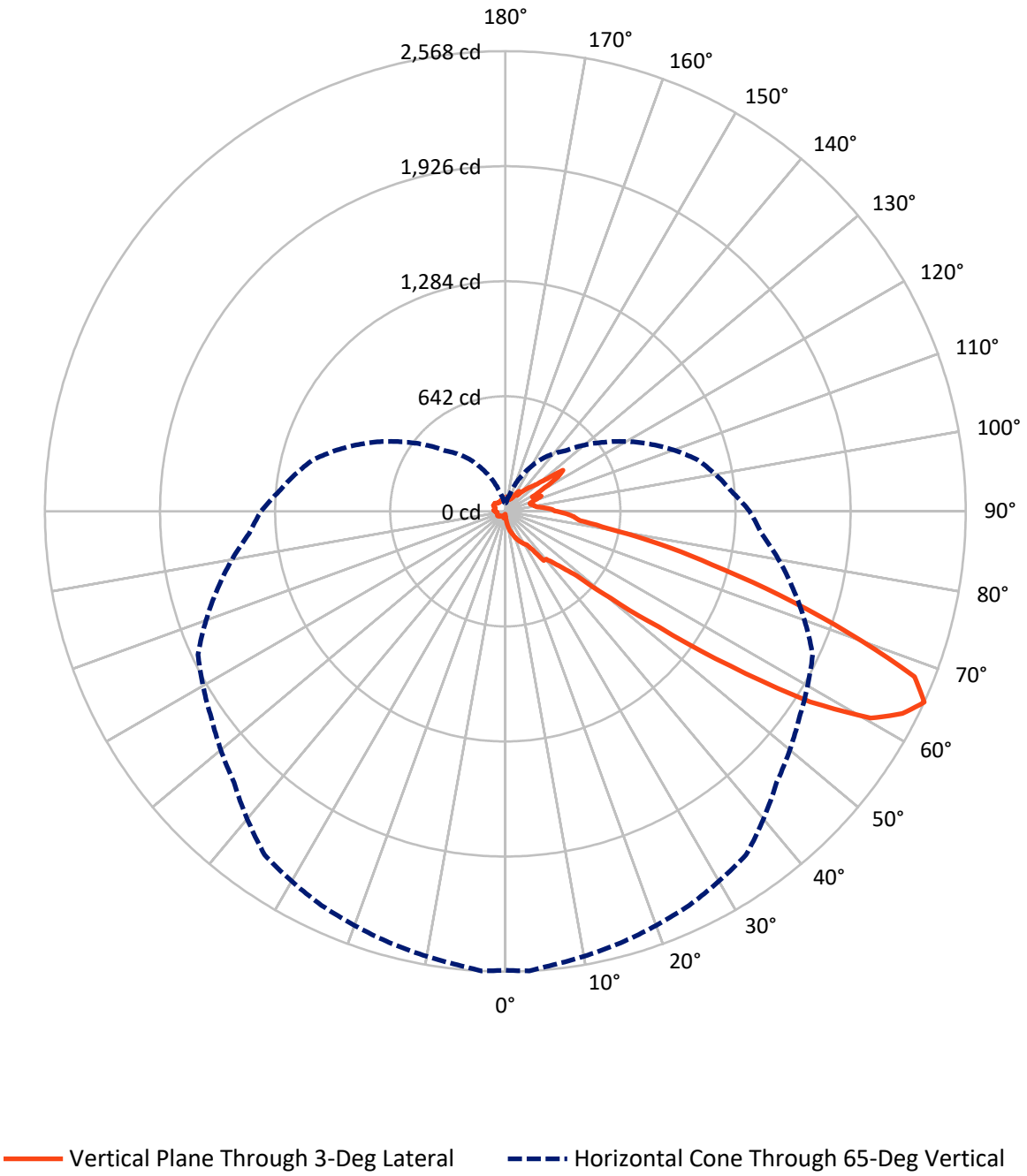
Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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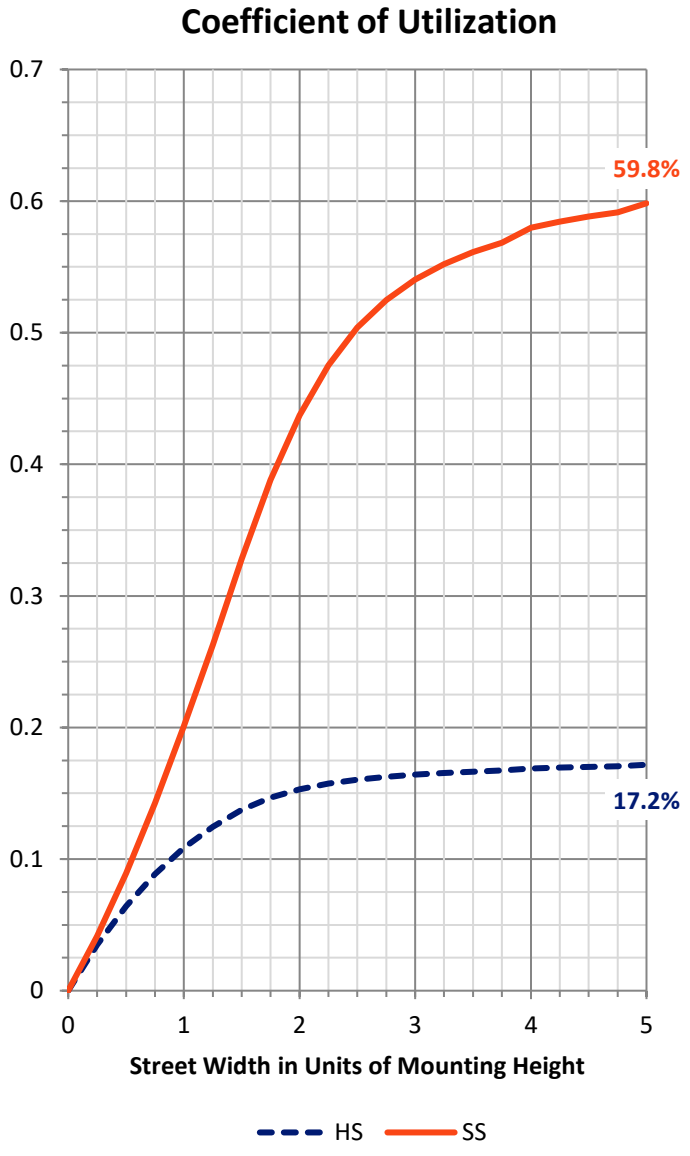
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.1	290.8	1037.9
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	2611.5	541.2	3152.7
	% Fixture	62.3	12.9	75.2
Total	Lumens	3358.6	832.0	4190.6
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	23.7	0.6
20°-30°	52.3	1.2
30°-40°	104.4	2.5
40°-50°	225.2	5.4
50°-60°	770.1	18.4
60°-70°	1251.4	29.9
70°-80°	673.4	16.1
80°-90°	253.7	6.1
90°-100°	160.1	3.8
100°-110°	113.8	2.7
110°-120°	125.6	3.0
120°-130°	191.8	4.6
130°-140°	115.1	2.7
140°-150°	63.5	1.5
150°-160°	35.4	0.8
160°-170°	19.6	0.5
170°-180°	7.2	0.2
0°-90°	3358.6	80.1
0°-180°	4190.6	100.0



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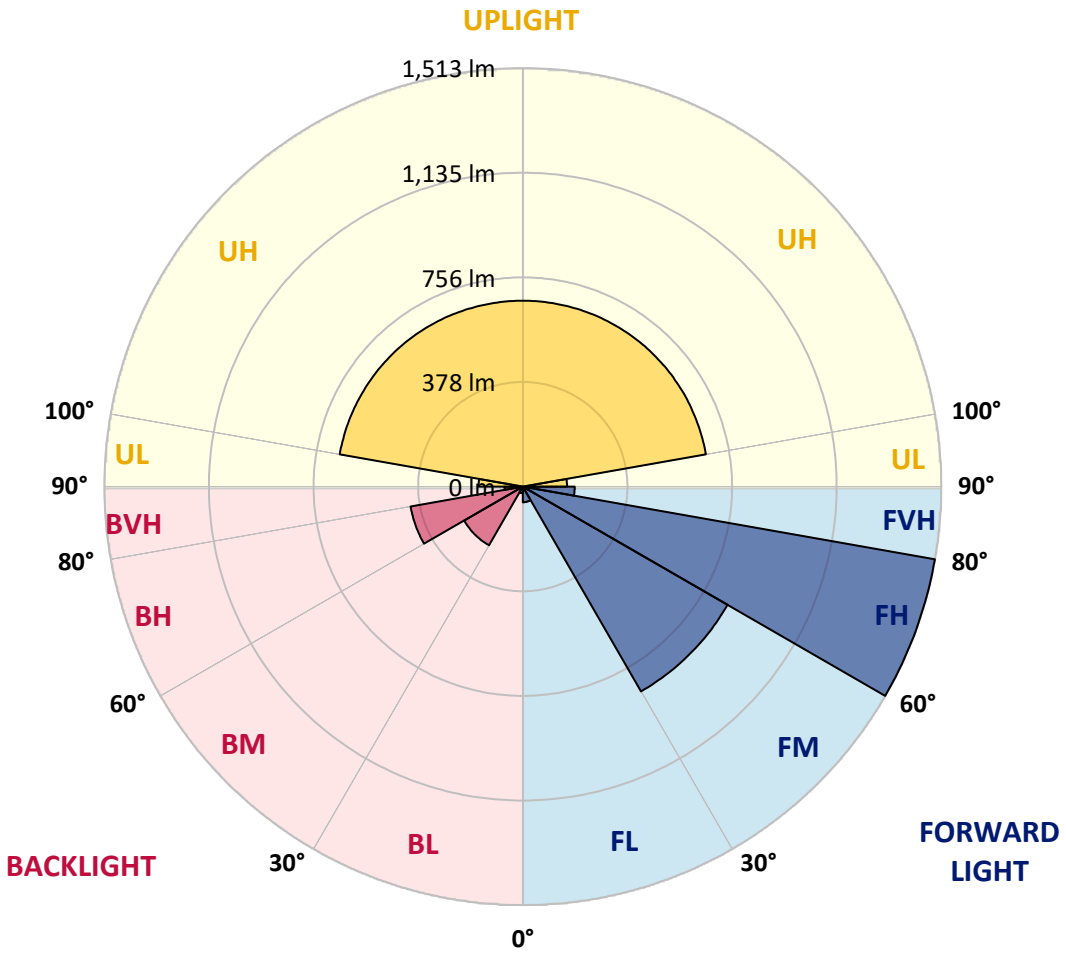
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	56.5	1.3			
FM	(30°-60°)	854.7	20.4			
FH	(60°-80°)	1512.8	36.1			G1/1800
FVH	(80°-90°)	187.5	4.5			G2/225
BL	(0°-30°)	23.9	0.6	B0/110		
BM	(30°-60°)	244.9	5.8	B1/1000		
BH	(60°-80°)	412.0	9.8	B1/500		G1/500
BVH	(80°-90°)	66.2	1.6			G1/100
UL	(90°-100°)	160.1	3.8		U3/500	
UH	(100°-180°)	671.9	16.0		U4/1000	

BUG Rating: B1-U4-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
2.5°	33.3	33.8	33.8	33.8	34.7	35.2	34.7	33.3	31.5	30.5	29.6
5°	48.4	49.3	48.8	48.8	47.9	47.9	46.5	45.5	44.6	41.3	38.0
7.5°	67.1	66.2	65.7	64.8	65.2	62.9	61.0	61.0	59.6	56.3	51.2
10°	86.8	86.8	85.4	85.0	84.0	83.1	79.8	77.9	77.9	72.3	66.2
12.5°	108.4	108.0	108.4	107.5	106.1	103.7	100.0	95.8	93.4	88.3	79.3
15°	122.5	122.0	122.0	121.6	120.6	118.3	115.5	111.3	105.2	100.0	91.5
17.5°	137.5	136.6	136.6	134.3	132.4	129.6	127.2	123.0	115.5	106.1	98.1
20°	154.0	154.0	154.0	150.7	146.9	143.2	139.9	136.1	130.5	116.4	105.2
22.5°	169.5	169.9	169.5	166.2	162.9	156.8	151.6	146.9	141.3	127.2	113.6
25°	184.5	185.4	185.0	185.0	180.7	172.7	165.7	158.7	154.9	140.8	122.0
27.5°	197.6	198.1	198.6	200.9	198.6	189.6	178.4	169.9	167.1	151.6	129.1
30°	210.3	211.7	211.7	214.1	213.6	203.7	190.1	180.7	175.1	160.1	136.1
32.5°	222.5	223.4	223.9	229.5	229.1	215.9	204.2	193.9	184.5	173.2	148.3
35°	266.6	265.2	272.3	276.5	273.2	261.5	247.4	228.1	215.0	201.9	175.1
37.5°	348.8	347.8	347.8	338.5	325.3	311.7	307.9	287.8	271.8	254.9	218.3
40°	351.1	351.1	352.5	362.9	369.4	352.1	335.6	315.9	312.6	295.3	250.7
42.5°	385.4	389.1	392.9	399.9	411.7	400.4	381.6	350.2	335.2	317.3	279.3
45°	443.6	449.2	447.4	450.2	447.4	437.5	436.1	418.7	396.2	361.9	310.8
47.5°	539.8	536.5	534.7	545.9	564.2	545.9	541.7	514.0	470.8	427.2	369.0
50°	776.4	762.3	776.9	774.5	771.3	754.4	741.7	714.0	643.6	572.7	488.7
52.5°	1093.3	1070.3	1083.4	1092.3	1083.0	1059.0	1021.0	967.0	872.2	780.6	669.9
55°	1553.8	1521.9	1526.1	1537.4	1543.9	1489.5	1435.0	1315.8	1173.6	1032.3	912.1
57.5°	2062.2	2004.9	2042.4	1979.5	1953.7	1856.6	1810.6	1689.9	1522.8	1334.1	1140.2
60°	2348.5	2342.4	2335.4	2286.5	2259.3	2150.4	2042.4	1929.3	1779.6	1556.6	1329.9
62.5°	2472.9	2486.0	2475.7	2450.4	2426.0	2330.2	2142.4	2008.2	1886.6	1657.5	1431.3
65°	2560.7	2568.2	2550.8	2492.2	2426.0	2340.5	2140.1	2003.0	1891.8	1660.8	1435.5
67.5°	2460.2	2461.6	2440.5	2364.5	2230.2	2155.1	1960.8	1841.1	1732.2	1535.0	1324.2
70°	2026.5	2030.7	2017.6	1950.0	1837.3	1772.1	1584.8	1461.8	1379.6	1243.5	1088.1
72.5°	1579.6	1597.9	1579.1	1552.4	1445.3	1397.0	1271.2	1171.7	1096.1	967.9	842.6
75°	1187.6	1191.9	1192.3	1162.3	1106.0	1095.2	1008.8	943.1	877.3	772.2	680.2
77.5°	861.4	880.2	873.6	868.4	794.7	799.0	764.7	725.7	684.4	614.5	548.8
80°	571.8	581.6	569.9	572.7	562.8	560.5	528.6	502.3	476.9	444.5	418.7
82.5°	416.8	415.0	414.0	408.9	401.4	402.8	386.8	354.4	323.9	317.3	293.4
85°	385.4	384.0	382.6	373.2	357.2	347.4	338.5	325.3	306.5	277.0	246.0
87.5°	337.0	337.5	334.2	324.4	314.0	311.2	304.2	295.7	286.3	264.3	237.1
90°	277.4	276.0	276.5	270.9	272.7	271.8	261.0	250.7	246.9	228.1	212.2
92.5°	256.3	254.9	255.4	251.1	244.6	243.2	231.4	218.7	213.1	201.4	189.2
95°	214.1	214.1	212.2	210.3	207.0	202.3	196.2	187.8	183.5	174.2	161.9
97.5°	179.8	177.9	179.3	176.0	173.2	171.3	166.6	158.2	154.0	146.9	137.5
100°	167.1	167.1	166.6	165.2	158.2	154.4	149.3	141.3	138.0	131.9	124.9
102.5°	160.1	159.6	159.1	157.7	151.2	144.6	138.0	133.3	129.6	124.4	116.9
105°	146.5	146.5	147.4	146.9	142.2	138.0	131.0	126.7	123.0	117.8	110.8
107.5°	145.1	144.6	144.6	138.9	132.8	130.5	125.3	121.6	118.3	113.1	105.2
110°	166.2	167.1	168.5	159.1	144.6	138.5	131.0	126.7	123.0	116.4	108.0

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CATALOG NUMBER: FFX-CLB-40-730-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	217.8	*217.8*	216.9	211.7	186.4	169.5	165.7	154.9	148.8	138.9	127.2
115°	195.7	*196.2*	195.7	197.2	195.3	174.2	177.9	160.1	170.4	147.4	139.4
117.5°	170.9	*170.4*	168.5	169.0	170.9	184.5	154.9	150.7	154.9	134.3	127.2
120°	238.5	*234.2*	238.5	221.1	218.3	220.6	203.7	200.4	182.6	157.7	138.9
122.5°	351.1	*344.6*	353.9	347.8	352.5	337.0	320.6	307.0	287.3	245.5	208.0
125°	396.7	*395.3*	392.9	384.5	376.9	370.4	373.2	378.4	367.6	333.8	290.1
127.5°	292.0	*295.7*	294.3	311.2	327.7	323.9	314.0	318.7	324.4	322.5	296.7
130°	232.8	*236.1*	238.0	254.4	268.5	268.5	252.5	248.3	253.0	262.9	253.0
132.5°	204.2	*205.1*	206.1	211.7	223.4	229.1	219.2	212.6	214.5	219.7	211.2
135°	184.0	*183.5*	182.1	178.4	179.3	185.0	189.2	188.2	186.8	186.8	182.1
137.5°	159.6	*159.1*	159.1	153.5	151.2	155.8	161.9	167.6	163.8	158.7	153.0
140°	132.8	*132.4*	132.8	136.1	137.1	137.5	140.8	140.8	140.8	140.4	138.0
142.5°	110.3	*110.8*	111.7	120.2	124.4	124.4	120.2	116.4	115.9	118.8	119.2
145°	135.7	*135.7*	136.1	135.7	132.8	130.0	127.2	127.2	124.4	117.8	114.5
147.5°	121.1	*123.0*	121.6	123.0	123.9	124.4	123.9	125.3	125.8	122.0	116.9
150°	95.3	*94.8*	93.9	95.3	97.6	100.5	101.4	102.3	102.8	102.8	102.8
152.5°	82.6	*83.1*	82.6	84.0	85.4	85.9	87.3	87.3	87.8	87.3	86.4
155°	80.3	*80.3*	80.3	80.3	80.7	81.7	83.6	84.5	83.6	82.1	79.8
157.5°	74.6	*74.6*	74.6	75.1	76.0	77.0	78.4	79.3	79.3	78.4	76.5
160°	71.4	*71.4*	71.4	71.4	72.3	73.2	74.2	75.1	75.1	74.6	73.2
162.5°	67.6	*67.6*	67.6	68.1	69.0	69.9	70.9	71.8	71.4	71.4	70.4
165°	67.1	*67.1*	67.1	67.6	68.5	69.9	70.4	70.4	70.9	70.9	70.9
167.5°	69.0	*69.0*	69.5	69.5	70.4	70.9	71.8	72.3	72.8	72.3	72.3
170°	71.8	*71.8*	71.8	72.3	72.8	72.8	73.2	73.2	73.7	73.7	73.7
172.5°	75.6	*75.6*	75.6	75.6	75.1	75.1	75.1	75.1	75.6	75.1	75.6
175°	79.8	*79.8*	79.8	79.3	78.9	78.9	78.4	78.4	77.9	77.5	77.5
177.5°	80.3	*80.3*	80.3	80.3	79.8	79.3	79.3	78.9	78.4	78.4	78.4
180°	78.4	*78.4*	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
2.5°	28.6	27.7	25.3	23.5	22.1	20.2	18.8	17.4	16.4	16.0	15.5
5°	37.6	35.7	32.9	30.0	27.7	24.4	22.5	19.2	16.9	16.0	15.5
7.5°	49.3	47.9	46.5	46.0	45.1	40.8	34.7	30.0	29.1	28.2	29.1
10°	62.9	60.1	55.9	58.2	58.2	50.2	41.8	37.1	36.6	38.5	39.0
12.5°	75.6	71.8	66.7	66.2	61.0	50.2	41.3	36.6	36.1	36.6	37.1
15°	87.3	83.1	77.5	72.8	64.8	53.5	43.2	37.1	35.7	37.1	37.1
17.5°	93.9	89.7	81.7	72.8	63.4	53.0	42.7	36.1	32.9	31.0	31.0
20°	101.9	98.6	87.8	76.5	63.8	52.6	42.2	35.2	31.5	29.6	29.1
22.5°	108.9	105.2	93.4	81.2	66.7	52.6	40.8	34.7	31.5	29.6	29.1
25°	117.4	111.7	100.0	86.4	69.0	52.6	40.8	35.2	31.9	30.0	29.6
27.5°	123.0	116.4	105.2	90.1	71.8	53.5	42.2	35.7	31.9	30.0	30.0
30°	128.6	122.5	109.4	95.3	75.1	55.9	44.6	37.6	33.3	31.0	31.0
32.5°	139.9	131.9	115.9	99.5	77.9	57.7	46.9	39.4	34.7	32.4	32.4
35°	165.2	154.0	134.7	111.7	81.7	59.6	49.3	41.8	35.7	32.9	32.9
37.5°	203.7	189.6	166.2	134.7	91.1	62.4	51.2	42.7	36.6	34.3	33.8
40°	229.1	211.7	183.5	153.0	104.7	67.1	53.5	44.1	37.6	34.7	34.3
42.5°	259.6	238.5	200.9	158.7	111.7	77.0	58.2	46.5	39.0	35.2	34.7
45°	287.3	269.4	234.2	185.4	131.9	91.5	66.7	50.7	41.3	36.6	36.1
47.5°	343.6	315.9	269.0	218.7	157.3	113.6	81.2	57.3	45.1	38.5	37.6
50°	453.5	424.8	368.0	290.1	203.3	144.6	104.7	69.5	49.8	40.4	39.0
52.5°	615.9	563.3	499.9	394.8	288.2	208.9	148.3	98.1	59.1	42.2	39.9
55°	833.2	803.2	691.0	557.2	410.7	312.6	228.1	152.6	88.3	44.6	40.4
57.5°	1082.5	1022.9	920.5	753.9	549.2	398.1	308.4	227.2	130.0	52.1	42.7
60°	1243.0	1181.1	1063.7	895.2	668.5	474.6	351.6	253.0	147.4	53.5	44.6
62.5°	1346.8	1259.9	1111.1	914.0	703.2	506.0	371.3	240.3	125.8	52.1	46.0
65°	*1362.7*	*1268.4*	*1111.1*	*888.1*	*671.7*	*480.2*	*359.1*	*222.0*	*99.0*	*49.8*	*47.9*
67.5°	1268.4	1166.0	1035.5	814.4	602.7	411.7	308.4	181.2	75.1	48.4	47.4
70°	1027.1	962.8	844.0	663.8	481.2	337.0	245.5	138.9	61.0	46.9	46.5
72.5°	784.9	738.4	655.3	517.3	370.8	260.1	187.3	109.4	54.9	46.0	45.5
75°	624.8	582.6	515.0	398.5	283.1	200.4	139.9	84.0	50.2	46.0	45.1
77.5°	515.4	478.3	417.3	315.9	206.5	149.7	106.1	68.1	49.3	46.0	45.5
80°	396.7	369.9	324.4	229.5	147.9	112.2	84.5	60.6	49.3	46.9	46.5
82.5°	281.2	270.9	236.6	178.8	124.4	97.6	77.9	59.6	50.2	47.9	47.4
85°	233.8	221.6	197.2	155.8	115.9	94.4	77.0	61.0	52.6	50.7	50.2
87.5°	225.3	217.3	193.4	150.7	111.3	90.1	73.7	59.6	52.6	51.6	52.1
90°	203.7	194.8	176.5	140.4	106.6	89.7	75.1	62.0	54.5	53.5	53.0
92.5°	185.0	179.8	163.8	135.7	109.8	92.9	79.3	67.6	61.5	59.6	59.6
95°	158.2	153.0	144.1	124.4	104.7	91.1	79.3	69.0	63.8	62.9	62.4
97.5°	134.7	131.4	123.9	108.4	92.9	81.7	71.4	63.4	59.1	57.7	57.7
100°	123.0	120.2	114.1	103.7	92.0	82.6	74.2	67.1	63.4	62.4	62.4
102.5°	114.5	112.2	106.6	99.0	88.7	81.2	74.2	68.1	63.8	62.9	63.4
105°	107.5	105.2	99.5	92.0	83.6	75.6	70.4	65.7	61.0	59.6	59.6
107.5°	102.3	100.0	95.3	87.8	80.7	73.7	68.1	64.3	60.6	59.6	59.6
110°	104.7	101.4	94.4	86.4	80.3	74.2	69.5	65.7	62.9	61.5	61.5

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

Scaled Data Report

REPORT NUMBER: P1045801
CATALOG NUMBER: FFX-CLB-40-730-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	122.5	117.4	105.6	94.4	86.4	79.3	74.2	69.0	66.7	64.8	64.8
115°	134.3	129.1	117.4	103.7	92.0	82.1	75.1	70.9	68.1	69.9	69.0
117.5°	122.5	118.8	109.8	100.0	90.6	82.1	76.0	73.2	71.4	73.7	74.6
120°	134.7	127.7	120.6	109.4	92.0	80.3	76.0	75.1	75.1	73.2	73.2
122.5°	192.5	180.7	154.4	135.2	111.3	98.1	90.1	82.6	75.1	72.3	71.8
125°	269.4	247.4	214.1	180.3	147.4	119.7	96.7	82.6	75.6	71.4	70.4
127.5°	283.5	264.3	233.8	192.9	148.3	116.9	96.2	85.4	77.5	72.8	72.3
130°	239.4	230.0	202.8	167.6	133.3	108.9	95.3	85.4	77.9	73.7	72.8
132.5°	203.3	196.7	171.3	143.2	118.8	100.9	88.7	77.9	70.9	67.1	66.2
135°	174.6	170.4	148.3	128.2	109.8	95.3	82.6	72.3	66.7	64.3	63.8
137.5°	149.7	145.5	130.5	116.4	102.3	89.7	79.3	70.4	65.2	63.8	63.4
140°	134.3	130.5	121.1	106.1	92.5	79.3	71.8	66.2	63.4	62.4	62.0
142.5°	116.9	112.7	102.3	91.5	82.1	71.8	66.7	64.3	62.9	62.0	61.5
145°	110.8	108.0	96.2	86.4	77.5	72.3	69.5	66.2	63.4	61.5	61.0
147.5°	112.2	108.9	98.6	89.2	81.2	75.6	70.9	66.2	62.4	60.6	60.1
150°	100.5	99.5	93.4	85.9	78.4	72.3	67.6	63.8	61.5	61.0	61.0
152.5°	84.0	83.6	80.7	76.5	71.4	66.7	63.4	61.5	61.5	62.4	62.9
155°	78.9	77.5	75.6	72.8	68.5	65.2	62.9	62.0	62.4	63.4	63.4
157.5°	76.0	74.6	72.8	70.4	68.1	65.2	63.4	62.9	63.8	64.8	64.8
160°	72.3	71.4	69.9	67.6	65.7	64.3	63.4	63.4	63.8	64.3	64.3
162.5°	69.9	69.0	67.6	66.2	65.2	64.8	64.3	63.8	64.3	64.8	64.8
165°	69.9	69.5	67.6	66.2	65.7	65.7	65.7	65.7	65.7	65.2	65.2
167.5°	71.8	71.4	69.9	69.0	68.5	69.0	69.0	68.5	68.1	67.1	67.1
170°	73.7	73.2	72.8	72.3	71.8	72.3	72.3	72.3	71.8	71.8	71.4
172.5°	75.6	75.1	74.6	74.2	74.2	74.2	74.6	75.1	75.1	75.1	75.1
175°	77.5	77.5	76.5	76.0	76.0	76.0	76.5	76.5	77.0	77.0	77.0
177.5°	78.4	78.4	78.4	78.4	78.9	78.4	78.4	77.9	77.9	77.9	77.9
180°	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

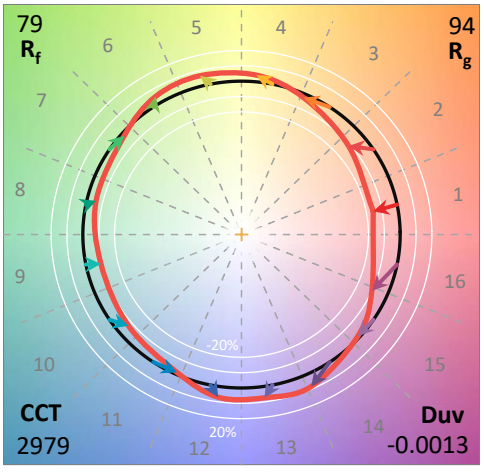
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-9
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-20-730-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):	2979
CIE u':	0.2518
CIE v':	0.5199
Duv:	-0.0013
CIE x:	0.4365
CIE y:	0.4006
CIE z:	0.1630
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	583
Purity:	51.24251
Rf:	79.2
Rg:	94.4

CRI (Ra):	75.1				
R1:	72.0	R9:	-26.5
R2:	87.0	R10:	72.2
R3:	93.5	R11:	69.1
R4:	71.3	R12:	66.7
R5:	73.0	R13:	75.2
R6:	83.8	R14:	96.7
R7:	76.4	R15:	63.2
R8:	44.1		



Test Conditions

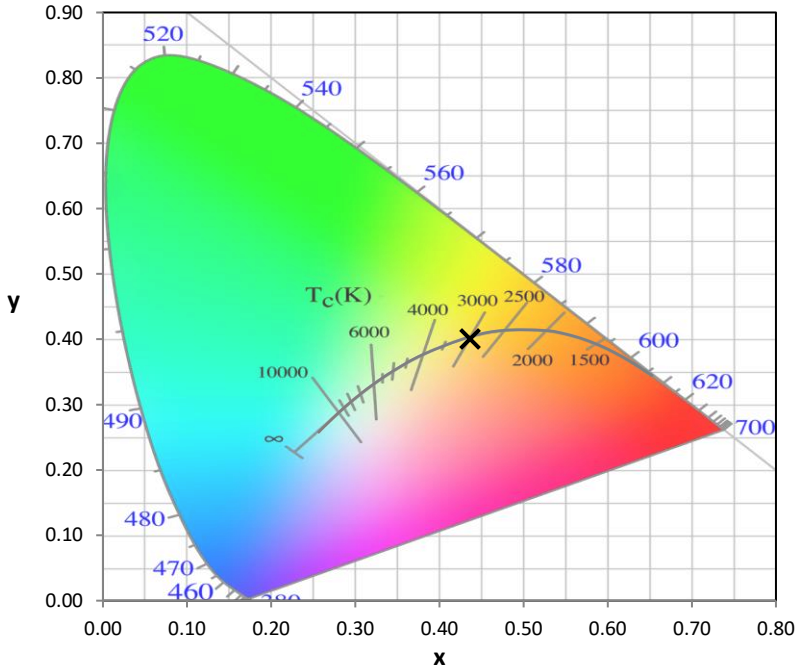
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

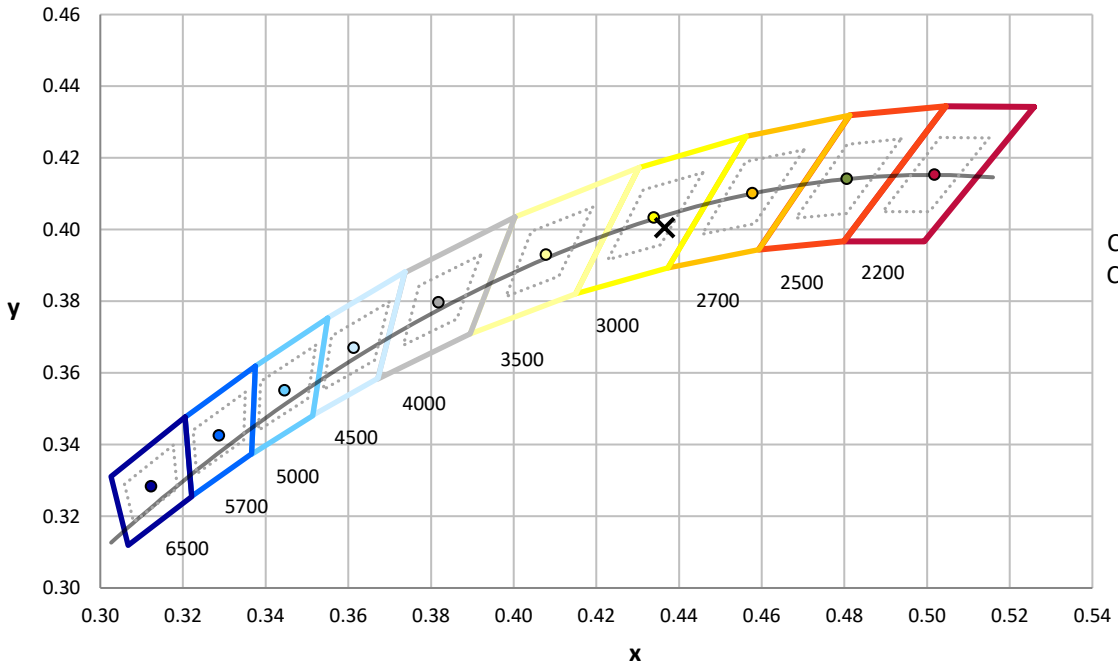
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-9

CIE 1931 Chromaticity Diagram



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

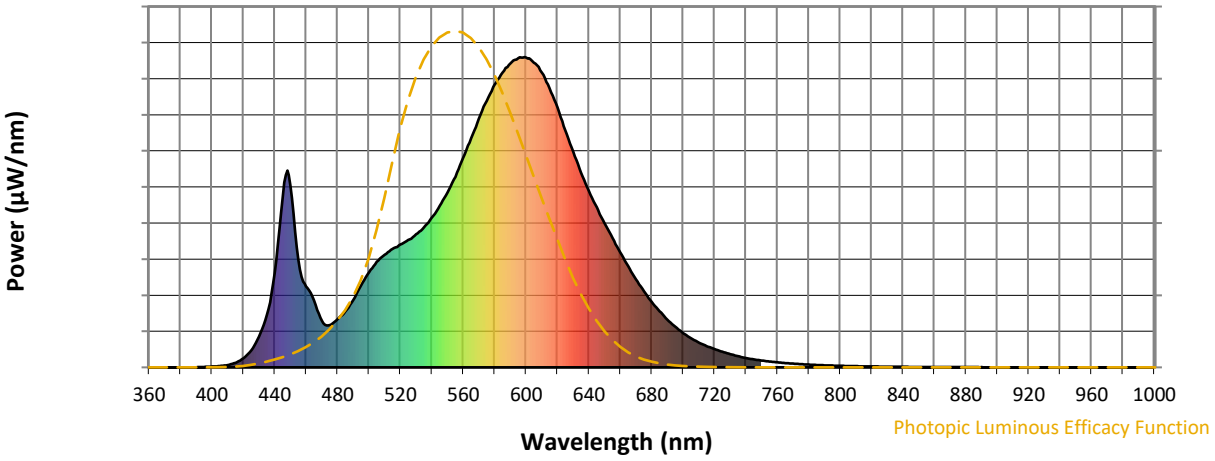


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

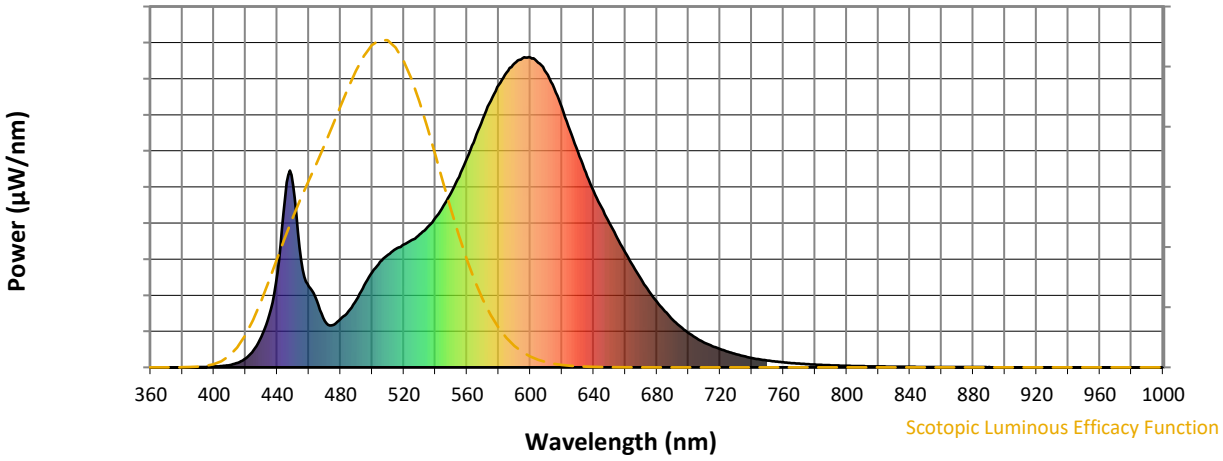


Photopic Lumens: NR

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Scotopic Flux vs. Wavelength

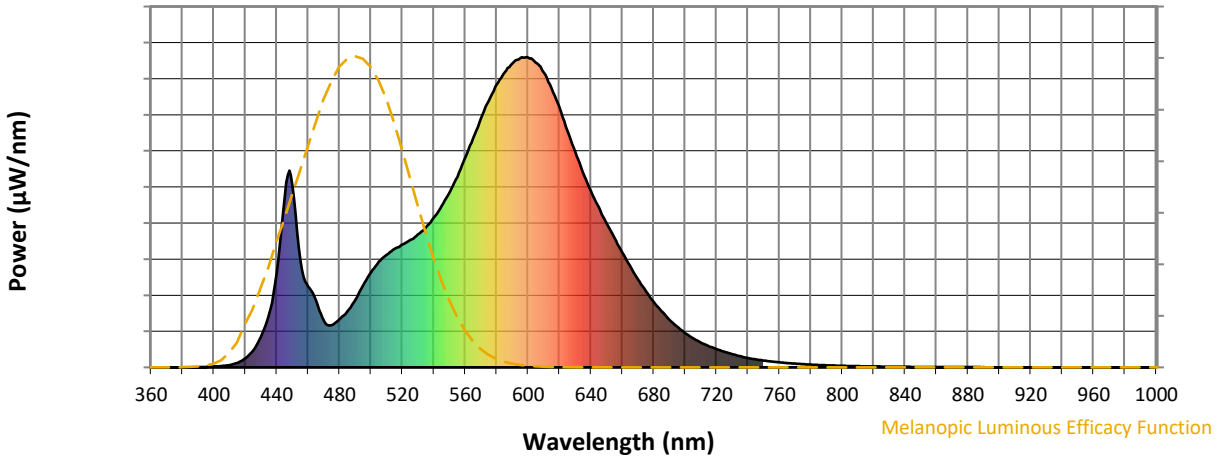


Scotopic Lumens: NR **S/P: 1.29**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

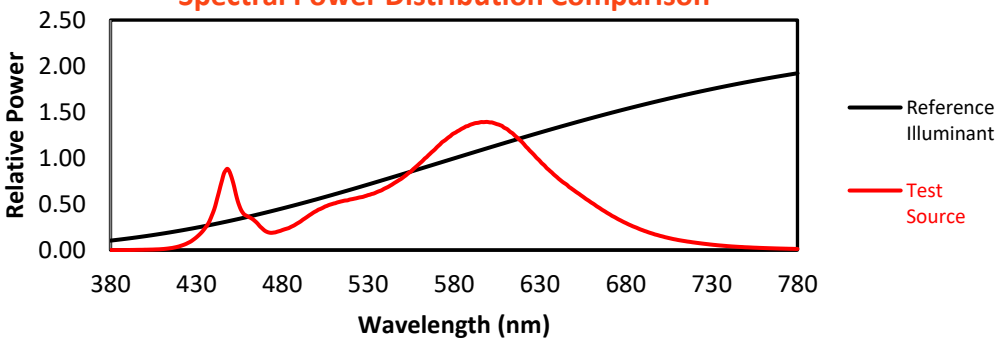
REPORT NUMBER: SP1-2501-332-9

TM-30-18

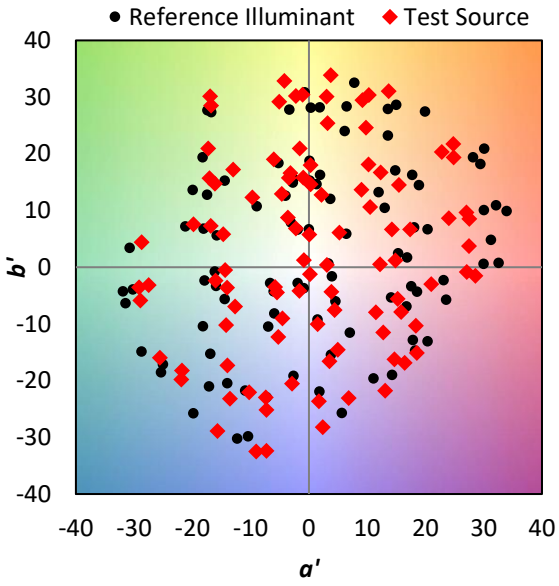
Summary

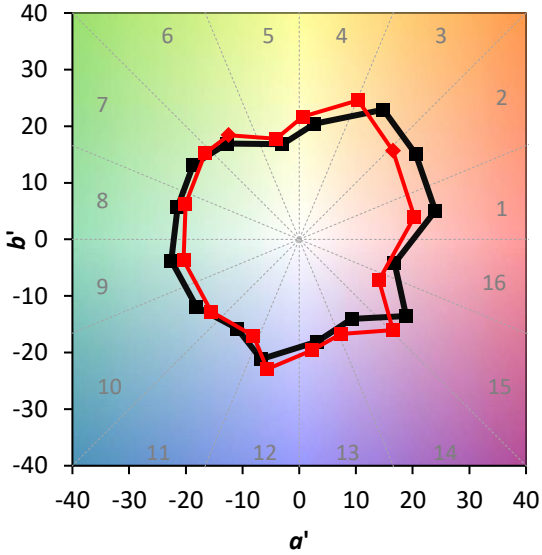
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

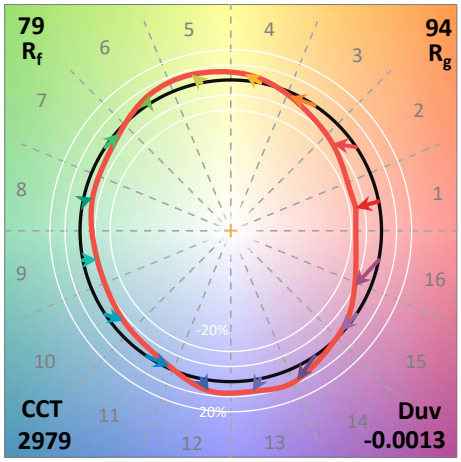
Spectral Power Distribution Comparison

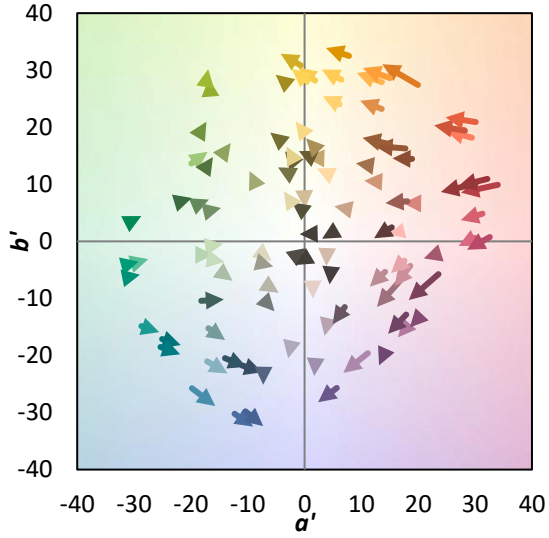


Color Vector Graphics







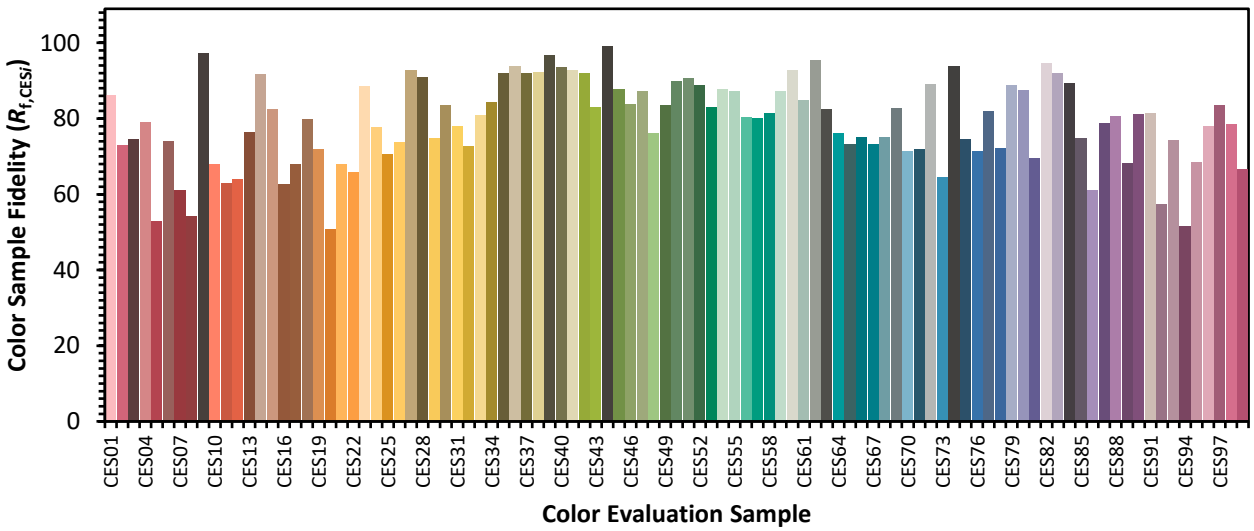


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

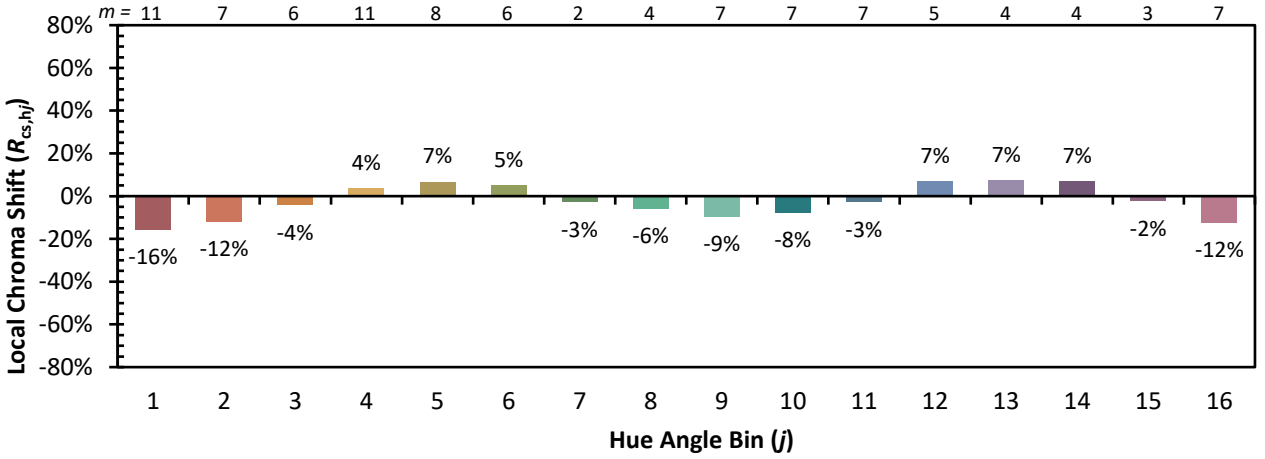
CES01 = 86	CES26 = 74	CES51 = 91	CES76 = 71
CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 95
CES08 = 40	CES33 = 81	CES58 = 81	CES83 = 92
CES09 = 29	CES34 = 84	CES59 = 87	CES84 = 89
CES10 = 76	CES35 = 92	CES60 = 93	CES85 = 75
CES11 = 59	CES36 = 94	CES61 = 85	CES86 = 61
CES12 = 65	CES37 = 92	CES62 = 96	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 76	CES89 = 68
CES15 = 71	CES40 = 94	CES65 = 73	CES90 = 81
CES16 = 47	CES41 = 93	CES66 = 75	CES91 = 81
CES17 = 50	CES42 = 92	CES67 = 73	CES92 = 57
CES18 = 56	CES43 = 83	CES68 = 75	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 52
CES20 = 66	CES45 = 88	CES70 = 71	CES95 = 69
CES21 = 87	CES46 = 84	CES71 = 72	CES96 = 78
CES22 = 79	CES47 = 87	CES72 = 89	CES97 = 84
CES23 = 92	CES48 = 76	CES73 = 64	CES98 = 78
CES24 = 91	CES49 = 84	CES74 = 94	CES99 = 67
CES25 = 72	CES50 = 90	CES75 = 75	

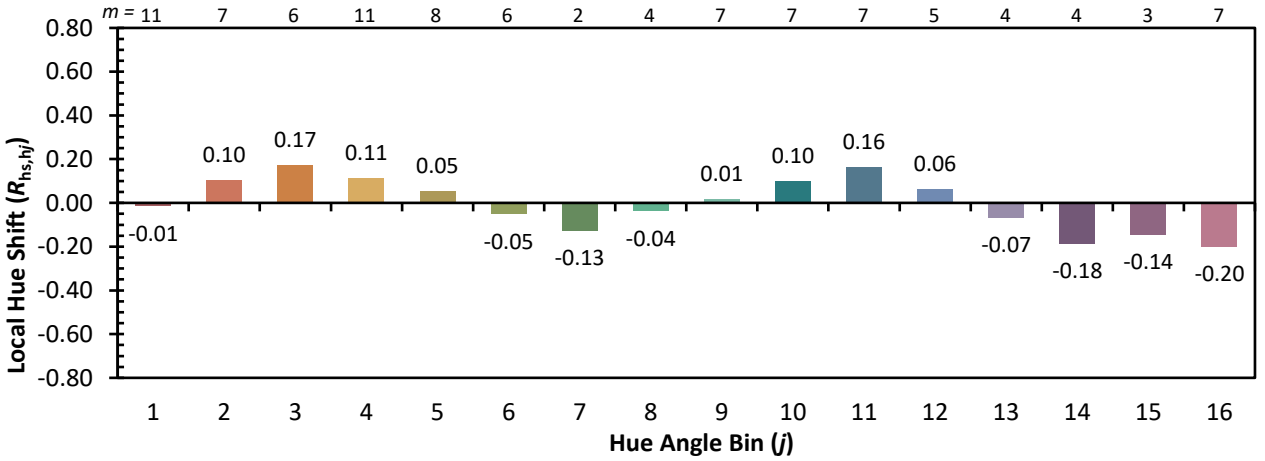


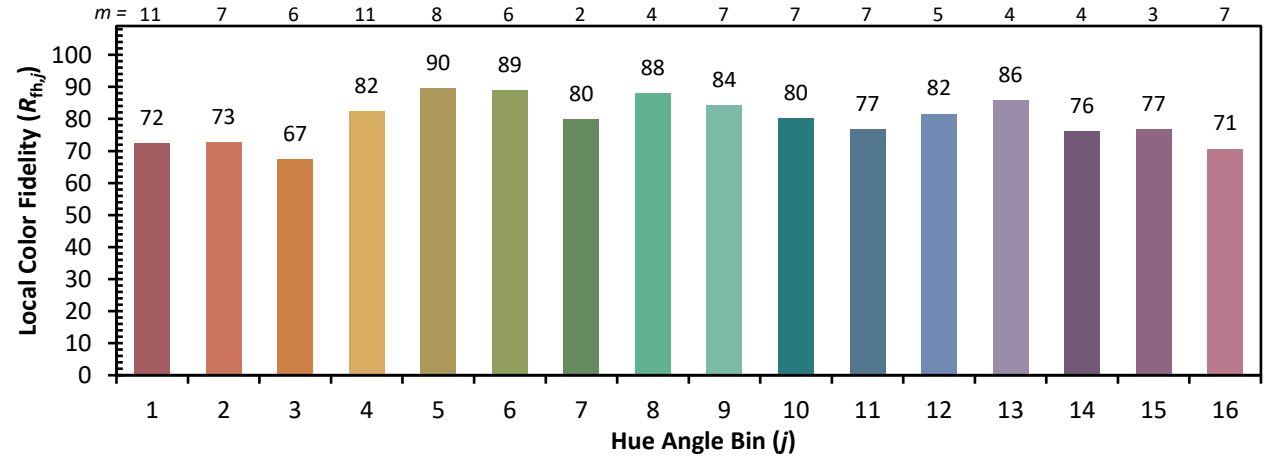
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Color Rendition by Hue-Angle Bin



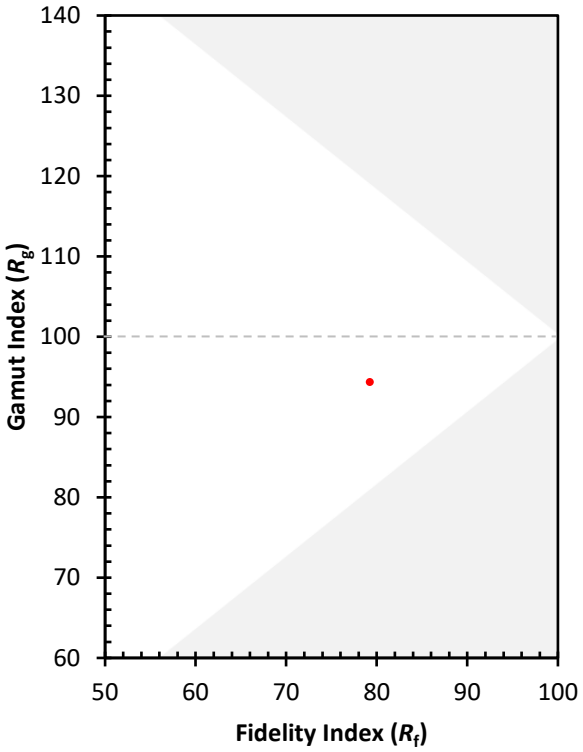


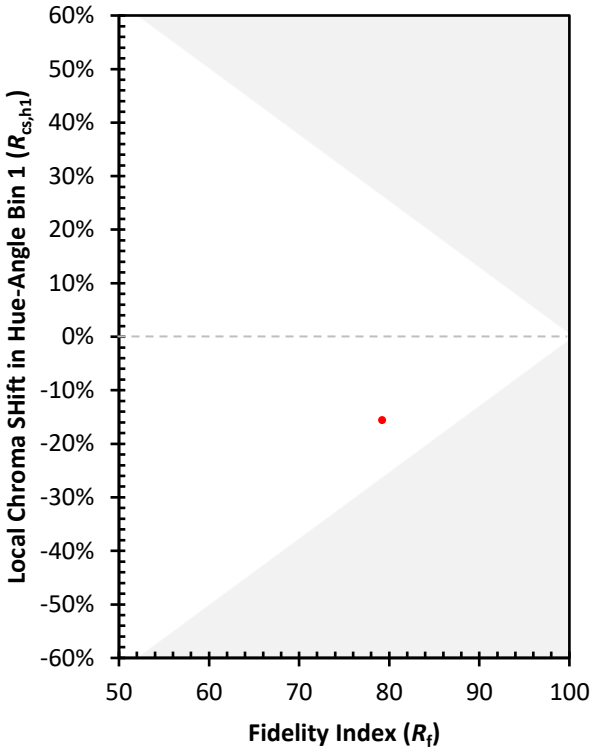


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Measure Comparisons





(END OF REPORT)