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: P1045935

Luminaire Tested: **FFX-CLB-50-730-U-FG-T5-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:	P1045935
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-730-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5665.9 lumens
Efficiency:	N/A
Efficacy:	112.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

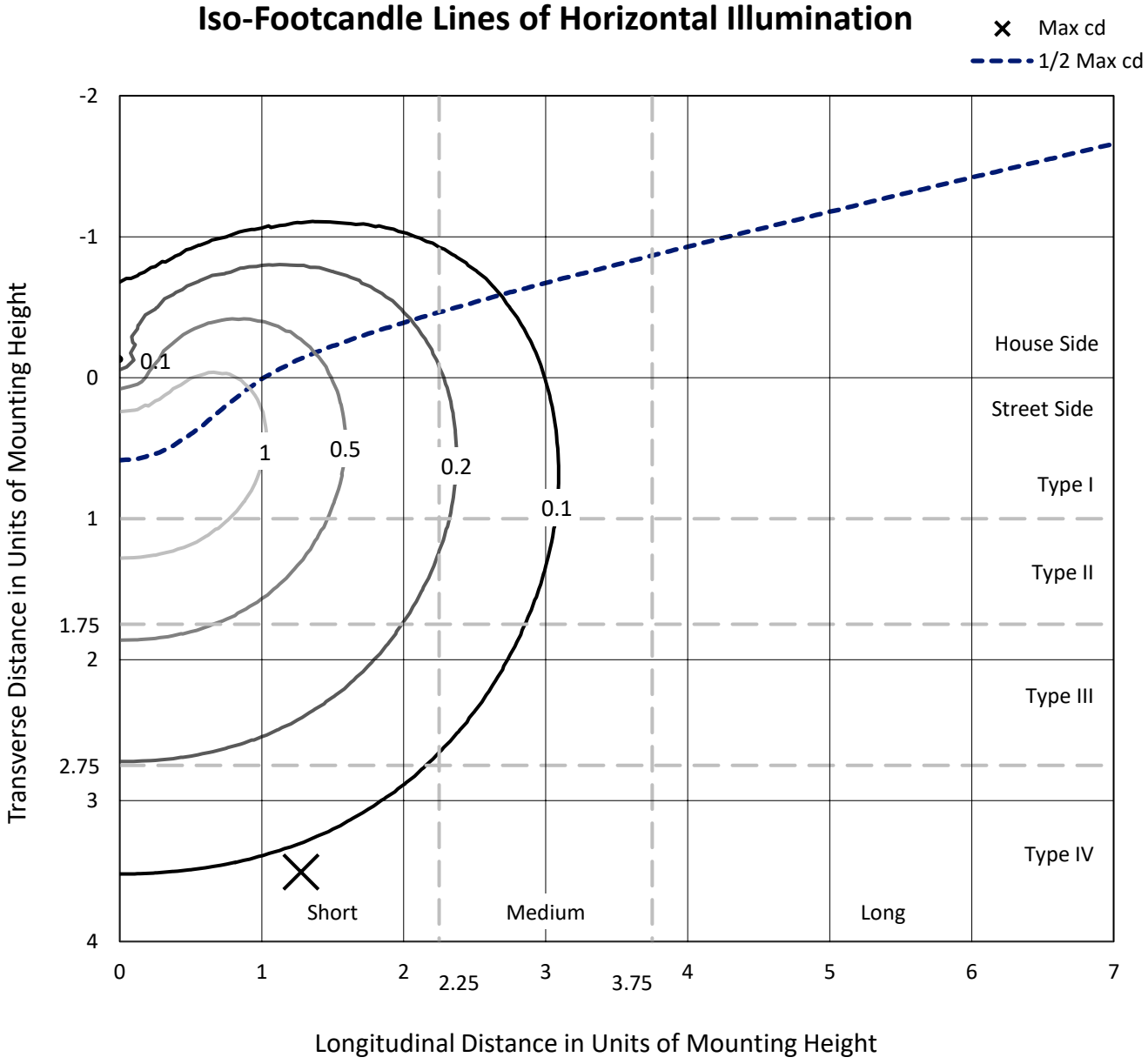


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Iso-Footcandle Lines of Horizontal Illumination



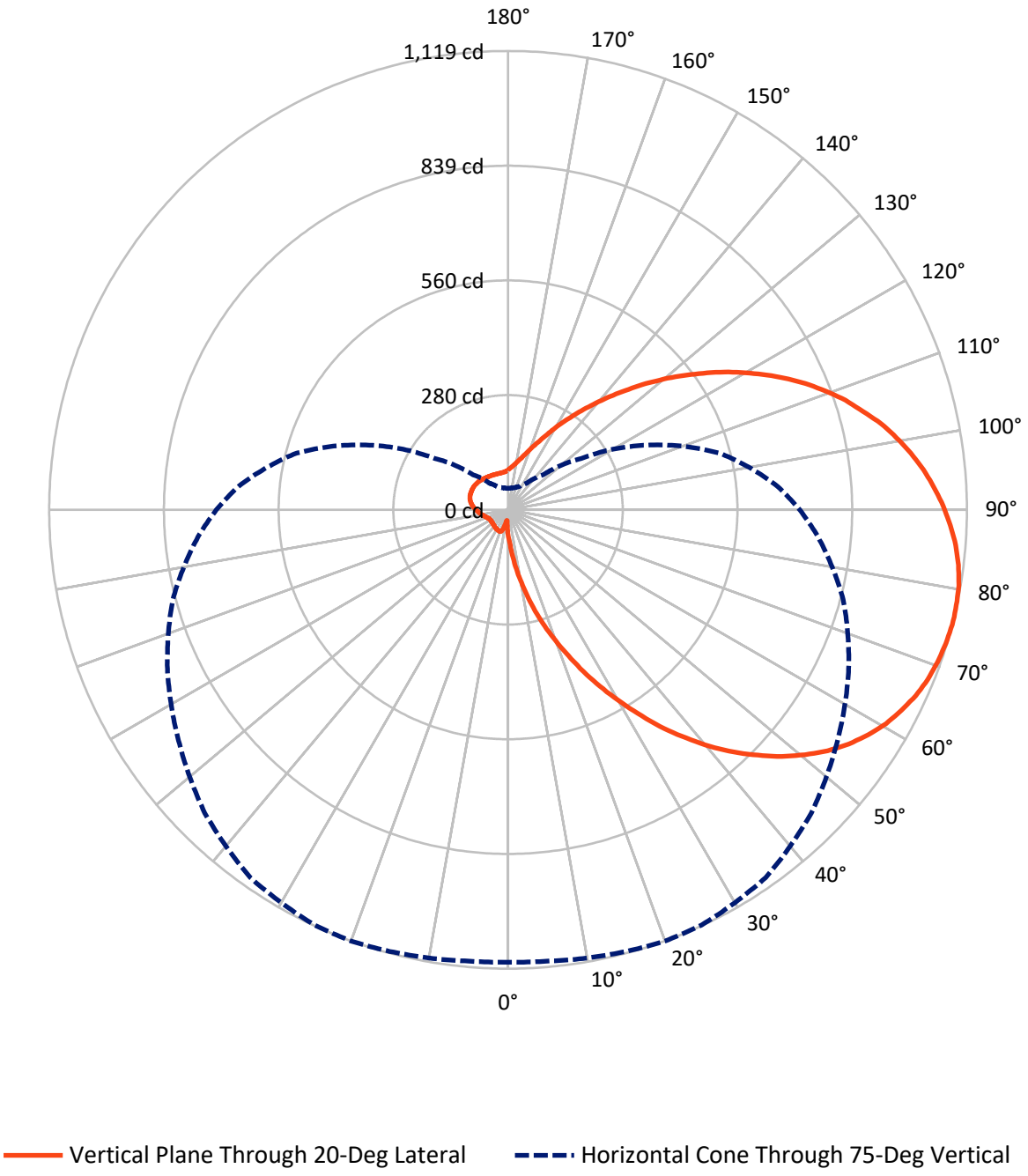
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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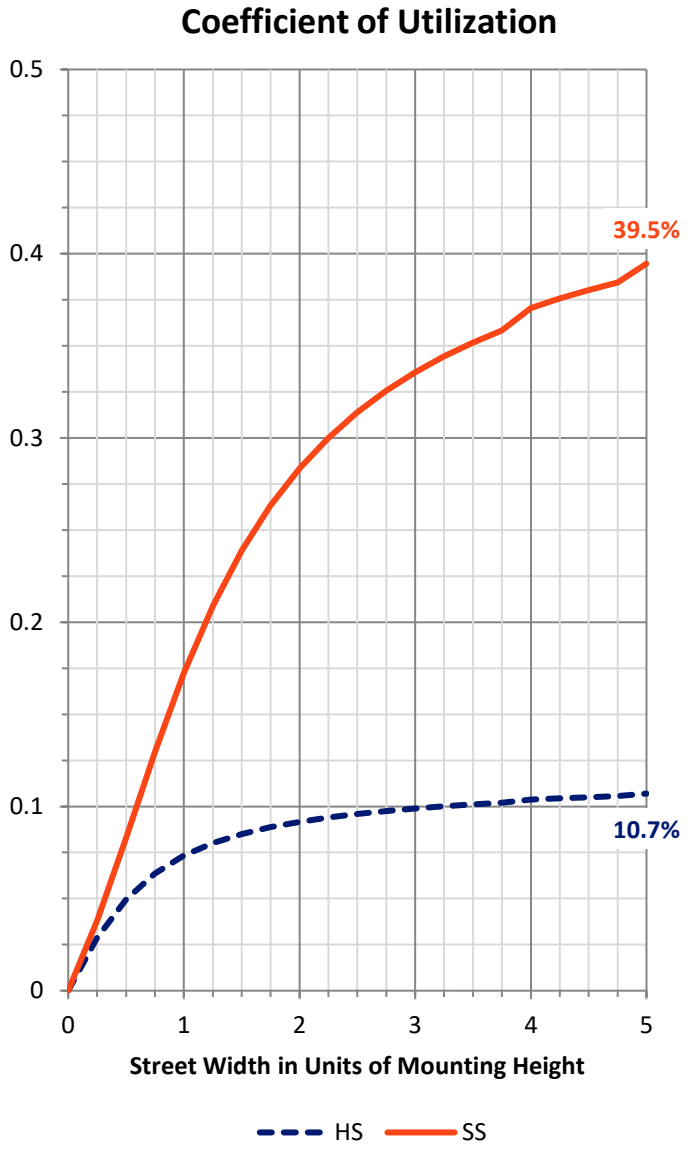
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	655.0	623.2	1278.2
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	2572.2	1815.5	4387.6
	% Fixture	45.4	32.0	77.4
Total	Lumens	3227.2	2438.6	5665.9
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	47.3	0.8
20°-30°	125.2	2.2
30°-40°	241.8	4.3
40°-50°	378.8	6.7
50°-60°	506.4	8.9
60°-70°	600.1	10.6
70°-80°	653.9	11.5
80°-90°	665.6	11.7
90°-100°	631.2	11.1
100°-110°	558.2	9.9
110°-120°	453.2	8.0
120°-130°	333.6	5.9
130°-140°	221.2	3.9
140°-150°	130.4	2.3
150°-160°	68.9	1.2
160°-170°	32.5	0.6
170°-180°	9.5	0.2
0°-90°	3227.2	57.0
0°-180°	5665.9	100.0



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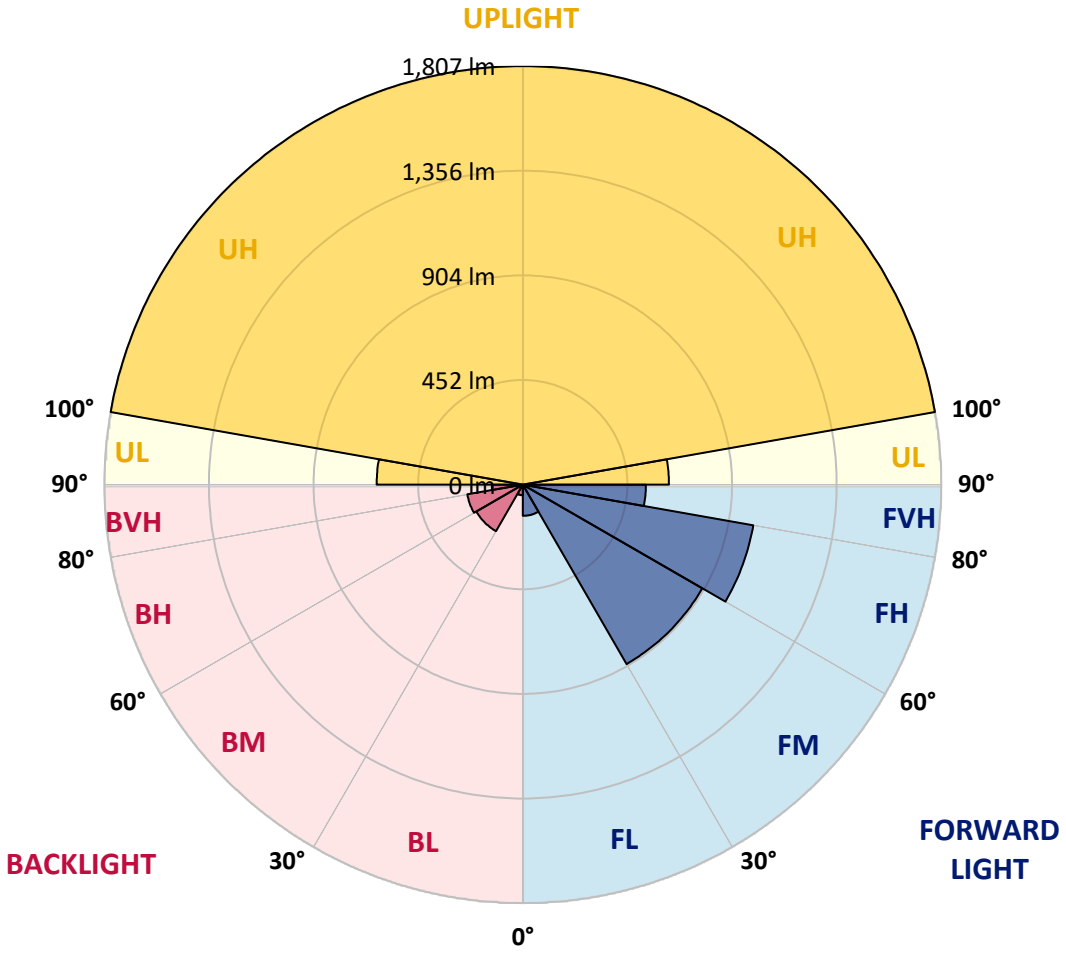
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	134.8	2.4			
FM	(30°-60°)	895.2	15.8			
FH	(60°-80°)	1010.7	17.8			G1/1800
FVH	(80°-90°)	531.5	9.4			G4/750
BL	(0°-30°)	45.7	0.8	B0/110		
BM	(30°-60°)	231.9	4.1	B1/1000		
BH	(60°-80°)	243.3	4.3	B1/500		G1/500
BVH	(80°-90°)	134.2	2.4			G2/225
UL	(90°-100°)	631.2	11.1		U4/1000	
UH	(100°-180°)	1807.4	31.9		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	64.9	64.9	64.9	*64.9*	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2.5°	79.2	79.2	79.8	*79.8*	80.4	79.2	77.4	76.2	74.4	70.2	66.7
5°	110.1	110.7	109.5	*110.1*	110.7	107.8	103.6	98.2	90.5	83.3	75.6
7.5°	147.6	149.4	146.5	*145.9*	144.1	139.3	133.4	125.0	116.7	107.2	95.8
10°	188.7	188.1	184.6	*180.4*	179.2	173.2	165.5	157.8	145.3	133.4	121.4
12.5°	227.4	226.8	223.8	*220.9*	219.1	211.3	201.8	192.9	179.8	164.3	149.4
15°	267.9	268.5	265.5	*263.7*	260.2	252.4	244.7	231.6	218.5	200.6	182.8
17.5°	308.4	309.6	306.6	*305.4*	302.4	295.9	285.8	272.1	255.4	234.6	211.9
20°	353.0	354.2	352.4	*348.3*	344.7	337.6	328.6	311.4	292.9	271.5	242.3
22.5°	400.7	401.3	395.9	*394.7*	391.1	384.6	371.5	356.0	335.2	307.8	277.4
25°	447.7	447.7	446.5	*445.3*	440.0	432.2	419.1	400.1	376.8	347.7	312.0
27.5°	498.3	498.9	495.9	*494.7*	490.6	480.4	466.7	445.9	422.1	387.0	346.5
30°	551.9	551.3	548.3	*545.9*	544.1	534.0	518.5	497.1	467.3	426.9	385.8
32.5°	605.5	603.7	601.9	*599.5*	598.9	585.8	573.3	547.1	516.2	473.3	423.9
35°	660.2	656.1	654.9	*655.5*	652.5	641.8	623.3	597.7	562.0	517.3	461.4
37.5°	707.9	711.4	708.5	*706.1*	706.7	694.8	675.1	646.5	609.0	559.6	499.5
40°	760.8	758.5	758.5	*758.5*	756.7	746.0	725.1	693.6	650.7	598.3	532.8
42.5°	806.7	806.7	809.7	*807.9*	806.1	793.6	771.0	735.8	690.6	634.0	565.0
45°	853.7	852.5	856.1	*853.7*	852.5	839.4	815.6	779.3	731.7	669.8	597.1
47.5°	897.2	897.8	899.0	*899.0*	897.8	882.9	857.9	815.0	766.8	700.7	624.5
50°	934.7	937.7	941.2	*938.8*	940.0	924.0	896.0	852.5	796.6	729.9	648.9
52.5°	971.6	971.6	976.4	*976.4*	975.2	959.7	928.1	882.3	826.9	756.1	671.5
55°	1003.1	1003.7	1007.9	*1008.5*	1007.9	990.0	956.7	907.3	849.5	778.1	690.0
57.5°	1027.0	1028.7	1034.1	*1035.9*	1033.5	1017.4	979.9	929.9	868.6	795.4	706.1
60°	1048.4	1050.8	1056.7	*1059.1*	1057.3	1040.1	1000.8	947.2	884.1	810.3	719.8
62.5°	1067.4	1068.0	1075.8	*1077.0*	1076.4	1057.9	1016.2	960.3	896.6	821.6	731.7
65°	1081.1	1082.9	1091.3	*1093.0*	1091.8	1072.2	1028.7	971.0	906.7	831.1	740.6
67.5°	1091.8	1093.0	1101.4	*1104.4*	1103.2	1082.3	1037.7	977.5	912.7	837.6	747.7
70°	1097.8	1099.6	1109.1	*1111.5*	1110.3	1089.5	1043.0	980.5	916.2	842.4	752.5
72.5°	1101.4	1103.2	1113.3	*1116.3*	1115.7	1093.6	1045.4	981.7	917.4	844.8	756.1
75°	*1103.2*	*1104.9*	*1115.1*	*1119.2*	*1117.4*	*1095.4*	*1046.0*	*981.1*	*916.8*	*846.6*	*759.1*
76°	1103.2	1104.4	1115.1	*1119.2*	1117.4	1095.4	1046.0	979.9	916.2	847.2	760.2
77.5°	1102.0	1103.8	1114.5	*1118.0*	1116.9	1094.8	1044.2	977.5	914.4	846.0	760.8
80°	1099.0	1100.8	1110.9	*1115.1*	1113.3	1090.7	1040.1	972.8	909.7	843.6	760.8
82.5°	1092.4	1094.2	1103.8	*1106.7*	1106.1	1083.5	1032.3	964.4	902.5	839.4	759.7
85°	1082.3	1084.1	1091.8	*1095.4*	1093.6	1072.2	1021.0	953.1	893.6	832.9	756.1
87.5°	1068.6	1069.8	1078.2	*1079.3*	1078.8	1057.3	1006.7	938.8	881.7	823.9	750.1
90°	1052.0	1053.2	1059.7	*1061.5*	1059.7	1039.5	988.3	923.4	866.8	813.2	743.0
92.5°	1034.7	1034.1	1038.9	*1040.6*	1038.9	1018.6	969.2	904.9	851.3	801.3	734.1
95°	1014.5	1015.6	1016.8	*1018.0*	1015.6	996.0	947.8	884.7	834.7	788.2	725.7
97.5°	991.8	991.2	992.4	*992.4*	990.0	970.4	923.4	865.0	815.6	773.9	714.4
100°	968.0	967.4	966.2	*963.9*	961.5	942.4	899.0	840.6	796.0	756.7	703.1
102.5°	941.8	938.3	934.7	*934.1*	928.7	912.7	871.0	817.4	775.1	740.6	688.8
105°	909.7	908.5	903.1	*898.4*	895.4	877.5	839.4	791.8	753.1	721.0	673.3
107.5°	876.9	874.6	866.8	*865.0*	859.1	843.0	808.5	766.2	731.1	701.3	654.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	841.8	840.6	832.3	*826.9*	822.2	804.3	774.5	738.8	706.7	679.3	634.0
112.5°	802.5	801.3	792.4	*788.2*	781.1	767.4	739.4	707.3	679.9	654.9	611.4
115°	762.6	762.0	751.9	*746.6*	740.0	723.3	700.7	675.7	651.3	626.3	584.0
117.5°	722.7	719.8	709.6	*703.1*	696.5	681.7	663.2	643.6	620.9	597.7	556.0
120°	677.5	676.9	665.6	*660.2*	654.3	640.6	624.5	606.1	588.2	565.0	528.1
122.5°	634.0	633.4	623.3	*616.8*	609.0	598.3	585.2	570.9	554.9	532.2	495.9
125°	590.0	588.8	578.1	*571.5*	565.0	556.0	543.5	533.4	520.3	498.9	464.4
127.5°	545.3	542.9	536.4	*529.9*	522.7	511.4	507.2	498.3	484.0	463.2	432.8
130°	503.7	502.5	493.5	*487.6*	480.4	471.5	467.9	460.8	450.7	431.6	403.0
132.5°	460.2	459.0	453.6	*447.7*	441.7	432.8	431.0	424.5	414.4	398.9	372.1
135°	421.5	420.3	414.4	*407.8*	404.8	398.3	395.9	390.5	381.0	365.5	342.3
137.5°	384.0	383.4	377.4	*372.1*	368.5	363.8	361.4	356.6	349.5	335.8	314.3
140°	350.1	347.1	342.3	*337.6*	334.0	329.2	328.0	323.9	318.5	305.4	289.9
142.5°	316.1	314.3	310.8	*306.6*	304.2	298.9	295.9	294.1	287.0	276.8	264.3
145°	282.8	282.8	279.8	*276.8*	273.3	269.7	267.3	265.5	259.6	250.6	238.7
147.5°	254.8	254.8	252.4	*251.2*	248.3	243.5	241.7	239.9	234.6	227.4	217.9
150°	231.0	229.8	228.0	*226.2*	223.8	219.7	216.7	214.9	210.7	205.4	196.5
152.5°	207.2	207.2	206.0	*203.6*	201.8	198.8	196.5	194.1	191.1	185.1	178.0
155°	186.9	186.9	185.1	*184.0*	182.8	180.4	178.0	175.6	172.1	167.3	161.9
157.5°	170.3	170.3	169.1	*168.5*	166.1	164.9	162.5	160.1	156.6	152.4	147.6
160°	154.8	155.4	154.8	*154.2*	152.4	150.6	148.2	145.9	142.9	139.3	135.7
162.5°	142.3	142.9	141.7	*141.1*	139.9	138.1	135.7	134.5	132.2	128.0	124.4
165°	131.6	131.6	131.0	*130.4*	129.8	127.4	126.2	125.0	122.6	119.7	116.7
167.5°	123.2	123.2	122.6	*122.6*	121.4	120.3	118.5	117.3	114.9	113.1	109.5
170°	116.1	116.1	115.5	*114.9*	114.3	113.1	111.9	110.1	108.9	106.6	104.8
172.5°	110.1	110.1	109.5	*108.9*	108.9	107.2	106.6	105.4	104.2	102.4	100.6
175°	105.4	104.8	104.8	*104.2*	103.6	102.4	101.8	101.2	100.0	99.4	98.2
177.5°	101.2	101.2	100.6	*100.6*	100.0	98.8	98.8	98.2	97.6	97.0	96.4
180°	95.8	95.8	95.8	*95.8*	95.8	95.8	95.8	95.8	95.8	95.8	95.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2.5°	64.9	63.1	58.3	54.2	51.2	47.0	43.5	42.3	41.7	41.1	41.1
5°	71.4	67.9	59.5	51.8	44.7	38.7	33.3	28.0	23.8	21.4	20.2
7.5°	89.9	85.7	74.4	64.3	54.2	45.2	36.3	29.8	23.8	20.2	20.2
10°	114.3	108.4	94.1	79.8	67.3	54.2	43.5	34.5	29.2	26.2	26.2
12.5°	139.9	132.2	115.5	97.0	79.8	64.9	51.8	42.3	36.3	33.9	33.9
15°	170.3	160.1	138.7	115.5	94.7	76.8	61.9	51.2	44.1	41.1	40.5
17.5°	199.4	186.3	160.7	134.5	109.5	88.1	70.8	57.2	49.4	45.2	44.7
20°	230.4	214.3	184.0	151.8	123.2	97.0	76.2	61.3	51.2	46.4	45.8
22.5°	259.0	241.7	205.4	167.9	134.0	103.6	79.2	61.9	50.6	45.2	44.7
25°	291.7	272.1	229.2	185.1	145.3	108.9	81.6	61.9	50.0	44.1	43.5
27.5°	325.1	301.8	253.6	202.4	155.4	114.9	83.3	61.9	48.8	42.9	42.3
30°	360.2	334.6	276.8	220.3	166.1	119.7	85.1	61.3	48.2	41.7	41.1
32.5°	395.9	366.1	302.4	237.5	176.8	124.4	86.3	61.3	47.0	41.1	39.9
35°	432.2	397.7	328.0	255.4	186.3	128.6	86.9	60.7	46.4	39.9	39.3
37.5°	464.4	428.6	351.8	271.5	195.3	131.6	87.5	60.1	45.8	39.3	38.7
40°	497.1	458.4	374.5	285.8	201.8	133.4	86.9	59.5	44.7	38.7	38.1
42.5°	526.9	485.2	395.3	299.5	207.8	135.1	86.3	58.3	44.1	38.1	37.5
45°	555.4	511.4	415.0	311.4	213.1	135.7	85.1	57.7	43.5	38.1	37.5
47.5°	581.6	534.0	434.0	322.7	217.9	135.7	84.5	56.6	43.5	38.1	37.5
50°	603.7	556.6	449.5	332.8	220.9	135.1	83.3	56.0	43.5	38.1	37.5
52.5°	625.1	575.1	465.0	340.5	222.7	134.0	81.6	55.4	43.5	38.7	38.1
55°	642.4	591.8	478.1	348.9	224.4	132.8	80.4	54.8	43.5	38.7	38.7
57.5°	657.3	605.5	488.2	354.2	224.4	130.4	79.2	54.8	44.1	39.9	39.3
60°	671.5	618.0	498.9	359.0	224.4	128.6	78.0	54.8	44.7	40.5	39.9
62.5°	681.1	628.1	507.2	363.2	223.3	126.8	76.8	54.8	45.2	41.7	41.1
65°	690.6	637.6	515.0	366.7	222.7	125.0	76.8	55.4	46.4	43.5	42.9
67.5°	697.7	645.3	520.3	369.1	221.5	123.2	76.2	56.6	48.2	45.2	44.7
70°	703.7	651.3	526.9	370.9	220.3	122.0	76.8	58.3	50.0	47.0	47.0
72.5°	708.5	656.7	530.4	372.7	219.1	121.4	78.0	60.1	53.0	50.0	49.4
75°	*711.4*	*659.6*	*534.0*	*373.3*	*217.9*	*120.9*	*79.2*	*62.5*	*55.4*	*53.0*	*52.4*
76°	712.0	660.8	535.2	373.9	217.3	120.9	79.8	63.1	56.6	54.2	53.6
77.5°	713.8	662.6	536.4	373.9	216.7	120.9	81.0	64.9	58.3	56.0	56.0
80°	715.0	663.8	538.2	374.5	215.5	120.9	82.8	67.9	61.9	59.5	58.9
82.5°	714.4	664.4	538.8	373.3	214.9	121.4	85.1	70.8	65.5	63.1	62.5
85°	712.0	662.6	537.6	371.5	213.1	122.6	87.5	74.4	68.5	66.1	66.1
87.5°	707.9	658.4	534.6	369.1	211.9	123.2	89.9	77.4	72.0	69.7	69.7
90°	701.9	653.7	531.0	366.7	210.2	123.8	92.9	80.4	75.6	73.8	73.2
92.5°	694.8	647.7	526.3	363.2	209.0	125.0	95.3	83.9	79.2	76.8	76.8
95°	687.6	641.2	520.9	359.0	207.8	126.8	97.6	86.9	82.2	80.4	80.4
97.5°	677.5	632.2	513.8	354.2	206.0	127.4	100.6	89.9	85.7	83.3	83.3
100°	665.0	622.1	505.4	349.5	204.8	129.2	103.0	92.9	88.7	86.9	86.3
102.5°	652.5	610.2	496.5	344.1	203.0	129.8	105.4	95.8	91.1	89.3	89.3
105°	638.2	597.1	485.2	337.0	201.2	131.0	107.2	97.6	93.5	91.7	91.1
107.5°	621.5	580.5	473.9	330.4	199.4	132.2	108.9	99.4	95.3	93.5	92.9

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

Scaled Data Report

REPORT NUMBER: P1045935
CATALOG NUMBER: FFX-CLB-50-730-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	602.5	565.0	460.2	323.3	198.2	134.0	110.7	100.6	96.4	94.1	94.1
112.5°	580.5	542.9	445.3	314.9	198.2	136.3	111.9	101.8	97.0	94.7	94.7
115°	554.3	519.7	427.5	307.2	197.7	138.7	114.3	102.4	97.0	95.3	94.7
117.5°	528.7	495.3	409.6	299.5	199.4	142.9	116.7	103.6	97.0	94.7	94.7
120°	500.1	469.7	391.1	291.7	201.8	147.0	119.7	104.2	97.0	94.1	94.1
122.5°	470.3	442.3	373.3	284.6	203.6	151.8	122.0	105.4	96.4	93.5	92.9
125°	442.3	414.4	353.0	277.4	205.4	156.0	125.0	106.0	95.8	92.3	91.7
127.5°	411.4	389.9	335.2	269.7	206.6	159.6	127.4	106.6	95.3	91.1	90.5
130°	384.6	363.8	317.3	261.4	205.4	160.7	128.0	106.0	94.1	89.9	89.9
132.5°	354.8	338.2	297.7	250.6	202.4	160.7	128.6	106.0	93.5	89.3	88.7
135°	328.6	313.1	279.2	238.7	197.1	158.4	127.4	105.4	92.9	88.7	88.1
137.5°	304.2	289.3	259.6	226.2	189.3	154.2	125.0	104.2	92.3	88.1	87.5
140°	278.0	267.3	241.7	212.5	181.0	149.4	122.0	103.0	92.3	88.1	87.5
142.5°	254.2	245.3	222.1	197.7	170.3	142.3	118.5	101.2	91.7	88.1	87.5
145°	232.8	222.7	204.8	182.8	159.6	135.7	114.9	100.0	91.1	88.1	87.5
147.5°	211.9	203.0	188.1	169.1	150.0	129.2	111.3	98.2	91.1	88.1	87.5
150°	191.1	185.1	172.1	156.6	139.3	122.6	107.8	97.0	91.1	88.7	88.1
152.5°	173.2	169.1	157.8	145.3	130.4	116.1	104.2	95.8	91.1	88.7	88.7
155°	158.4	154.2	144.7	133.4	122.6	110.7	101.8	94.7	91.1	89.3	88.7
157.5°	143.5	140.5	132.8	124.4	115.5	106.6	99.4	94.1	91.1	89.3	89.3
160°	132.2	129.2	123.2	116.7	109.5	103.0	97.0	92.9	91.1	89.9	89.9
162.5°	122.6	120.3	115.5	110.1	104.8	99.4	95.3	92.3	91.1	89.9	89.9
165°	114.9	113.1	108.9	104.8	101.2	97.0	94.1	92.3	91.1	90.5	90.5
167.5°	108.4	107.2	104.2	101.2	98.2	95.3	92.9	91.7	91.1	91.1	91.1
170°	103.6	102.4	100.6	98.2	95.8	94.1	92.3	91.7	91.7	91.1	91.7
172.5°	100.0	99.4	97.6	95.8	94.7	92.9	92.3	91.7	92.3	92.3	92.3
175°	97.6	97.0	95.8	94.7	94.1	92.9	92.9	92.3	92.9	93.5	93.5
177.5°	95.8	95.3	94.7	94.7	94.1	93.5	93.5	94.1	94.7	94.7	94.7
180°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8

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

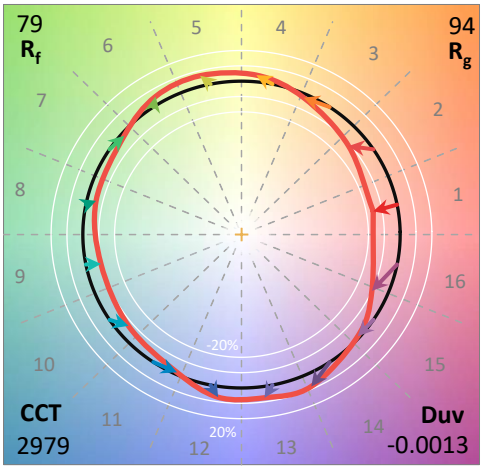
Test Information

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

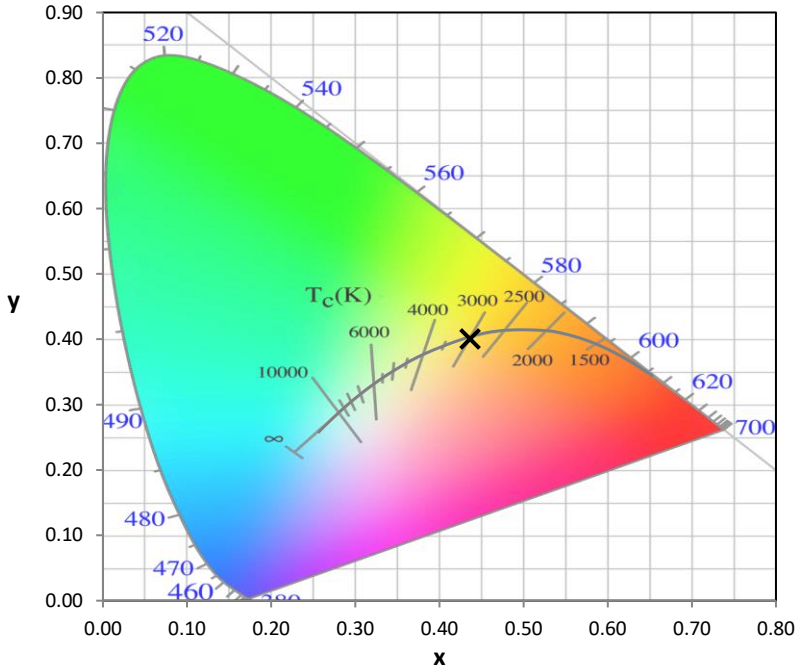
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

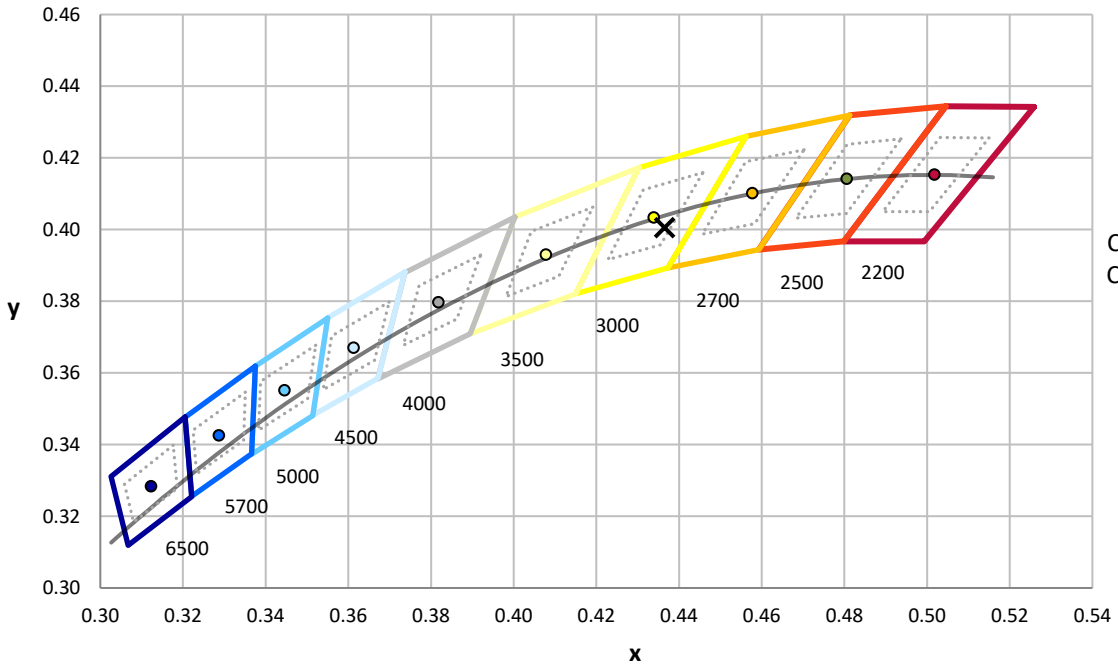
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

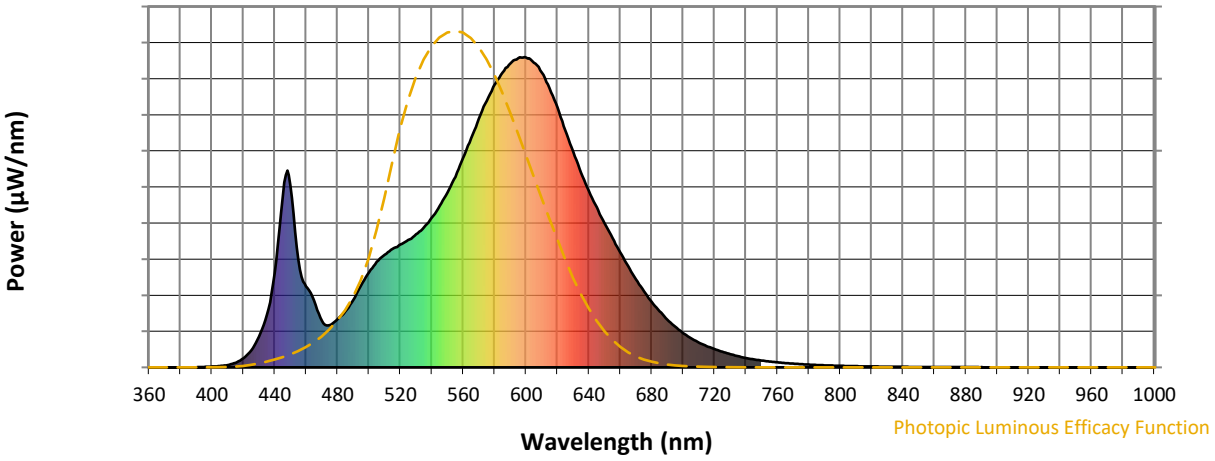


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

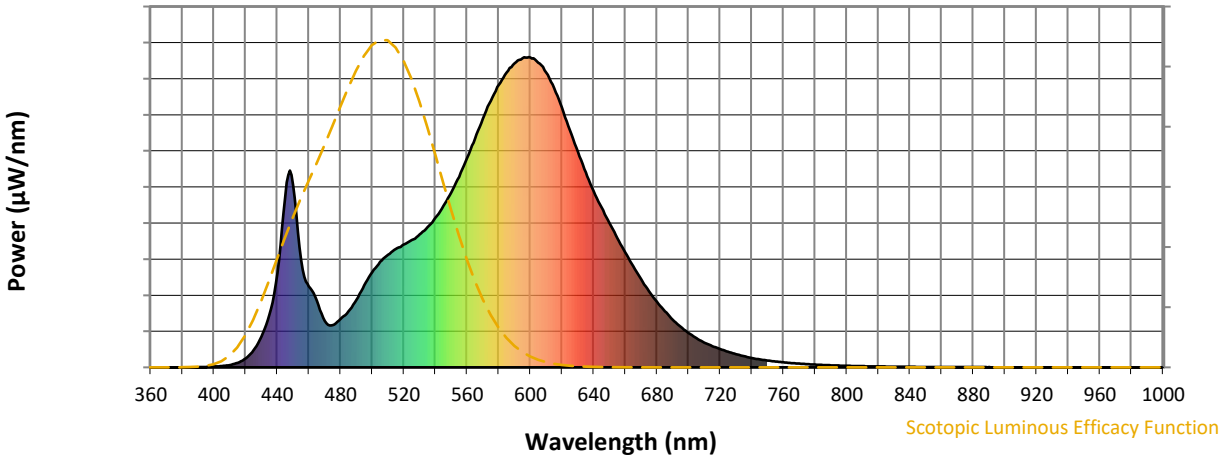


Photopic Lumens: NR

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

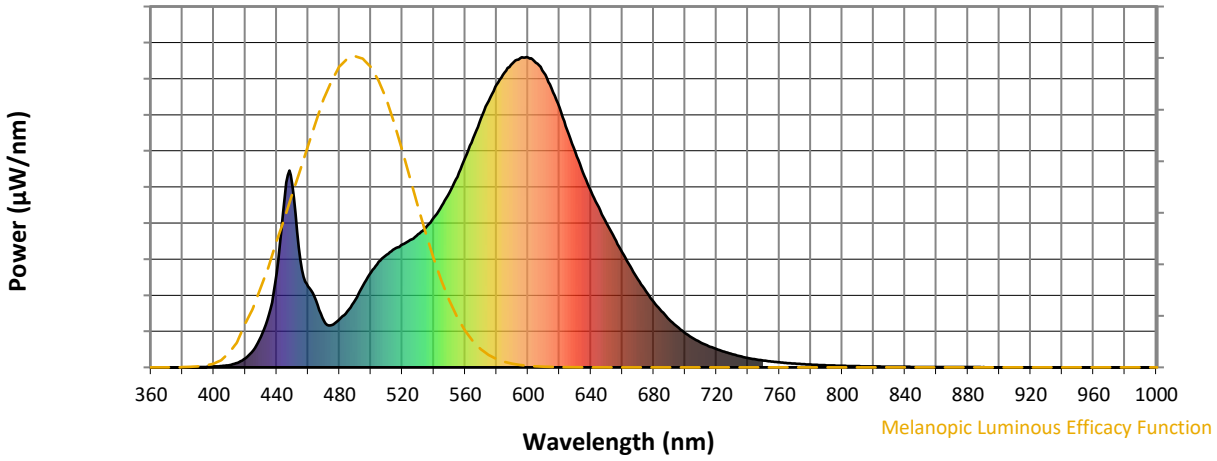


Scotopic Lumens: NR **S/P: 1.29**

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			

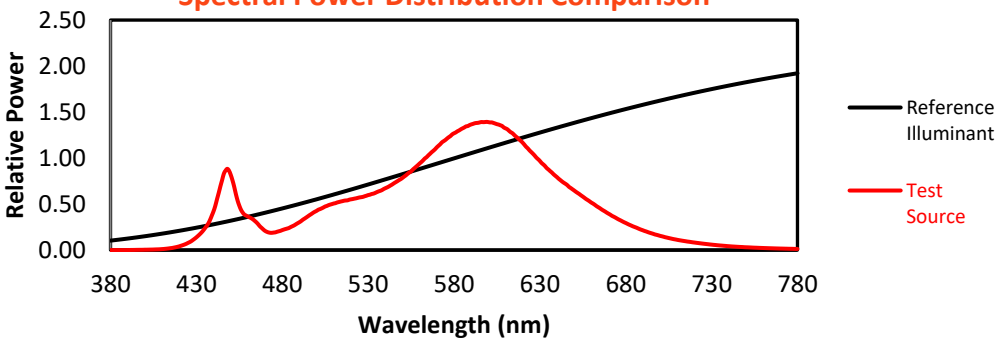
REPORT NUMBER: SP1-2501-332-9

TM-30-18

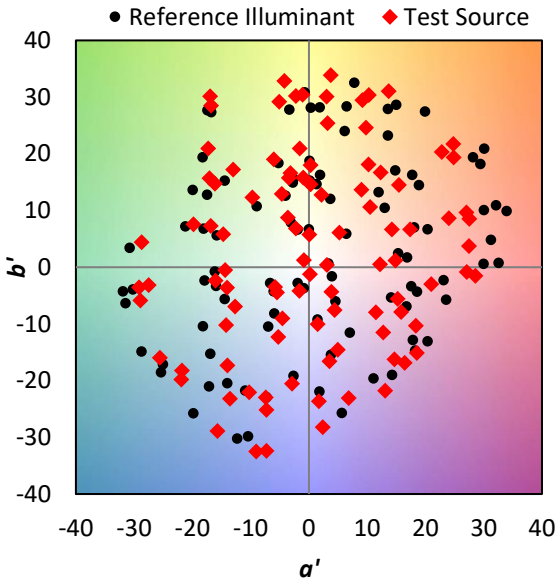
Summary

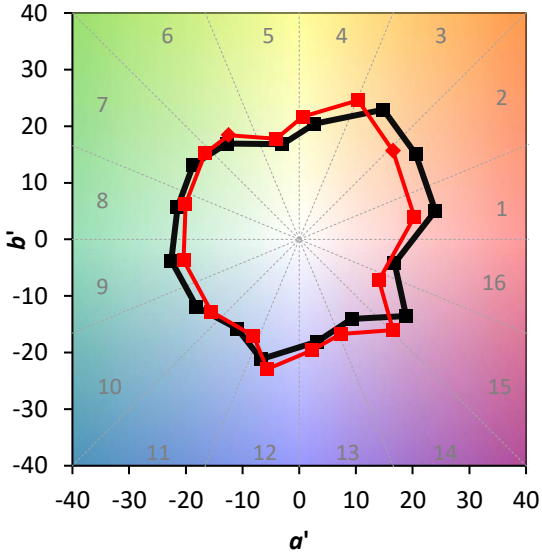
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

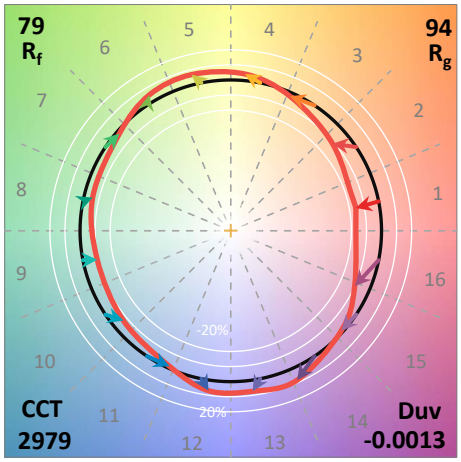
Spectral Power Distribution Comparison

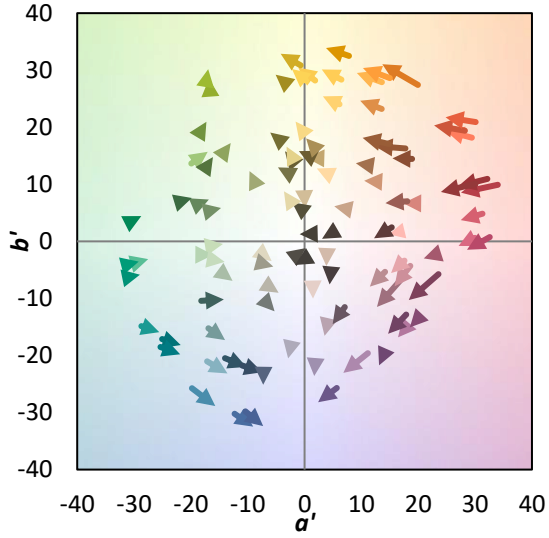


Color Vector Graphics







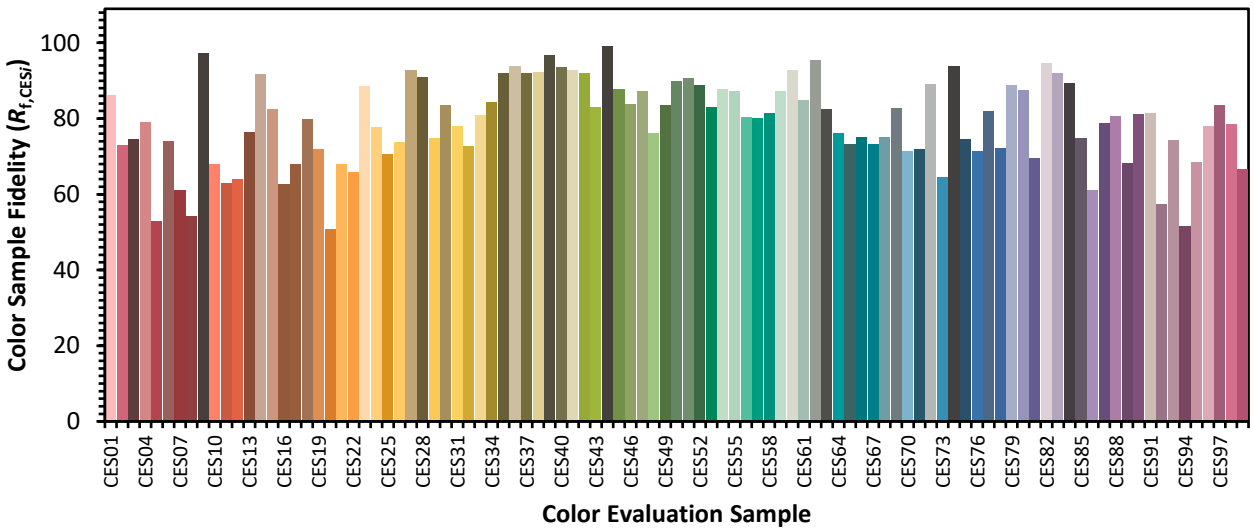


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

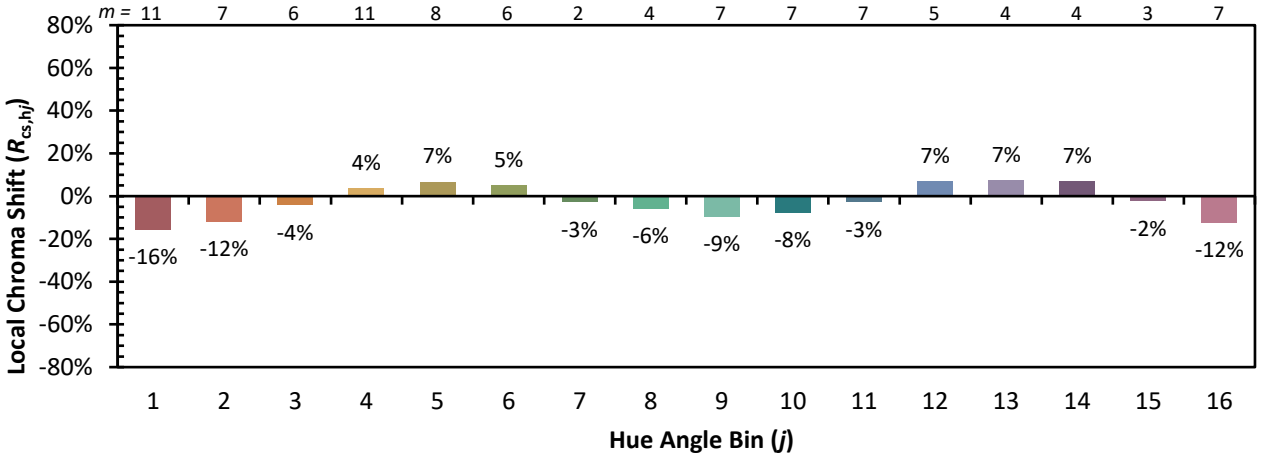
CES01 = 86	CES26 = 74	CES51 = 91	CES76 = 71
CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 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	

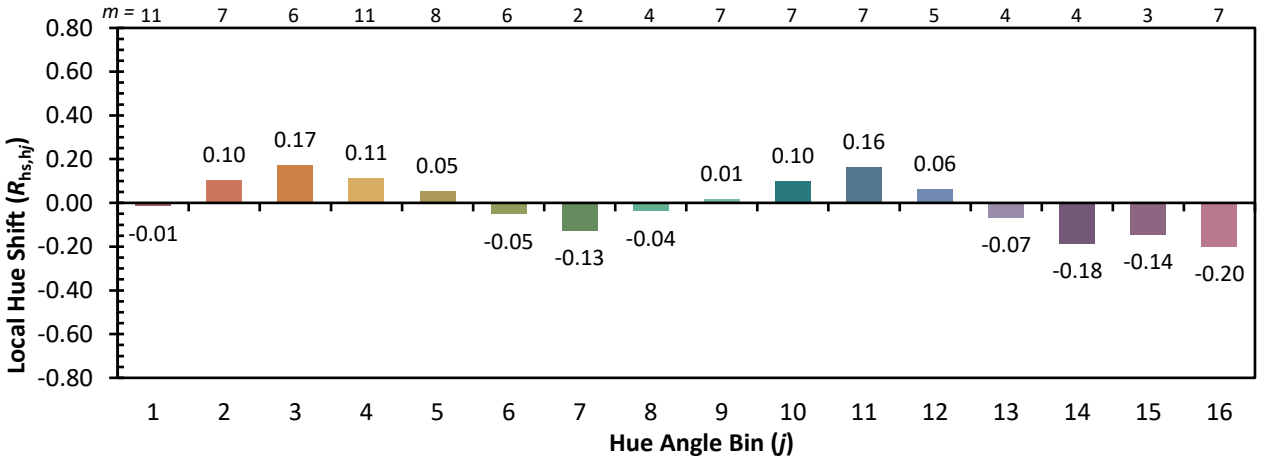


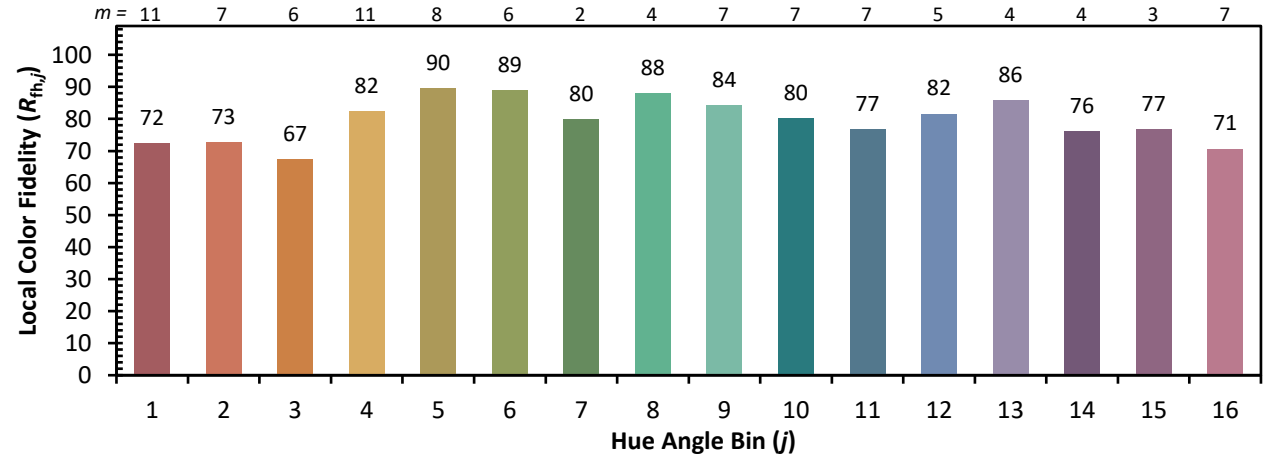
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Color Rendition by Hue-Angle Bin



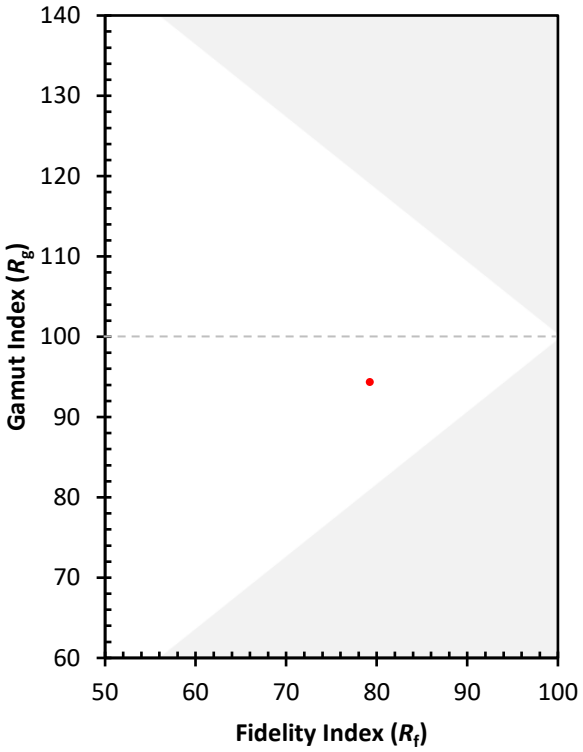


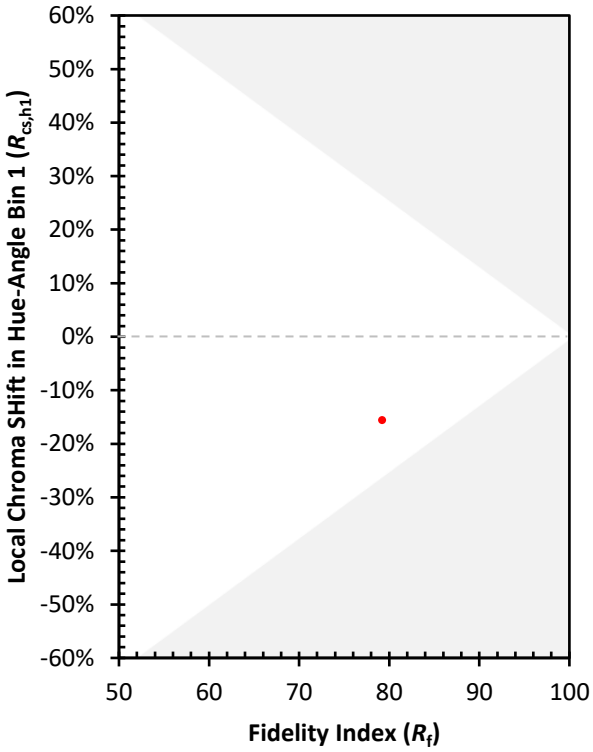


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Measure Comparisons





(END OF REPORT)