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: P1045916

Luminaire Tested: **FFX-CLB-60-722-U-FG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045916
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-722-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5666.6 lumens
Efficiency:	N/A
Efficacy:	93.5 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

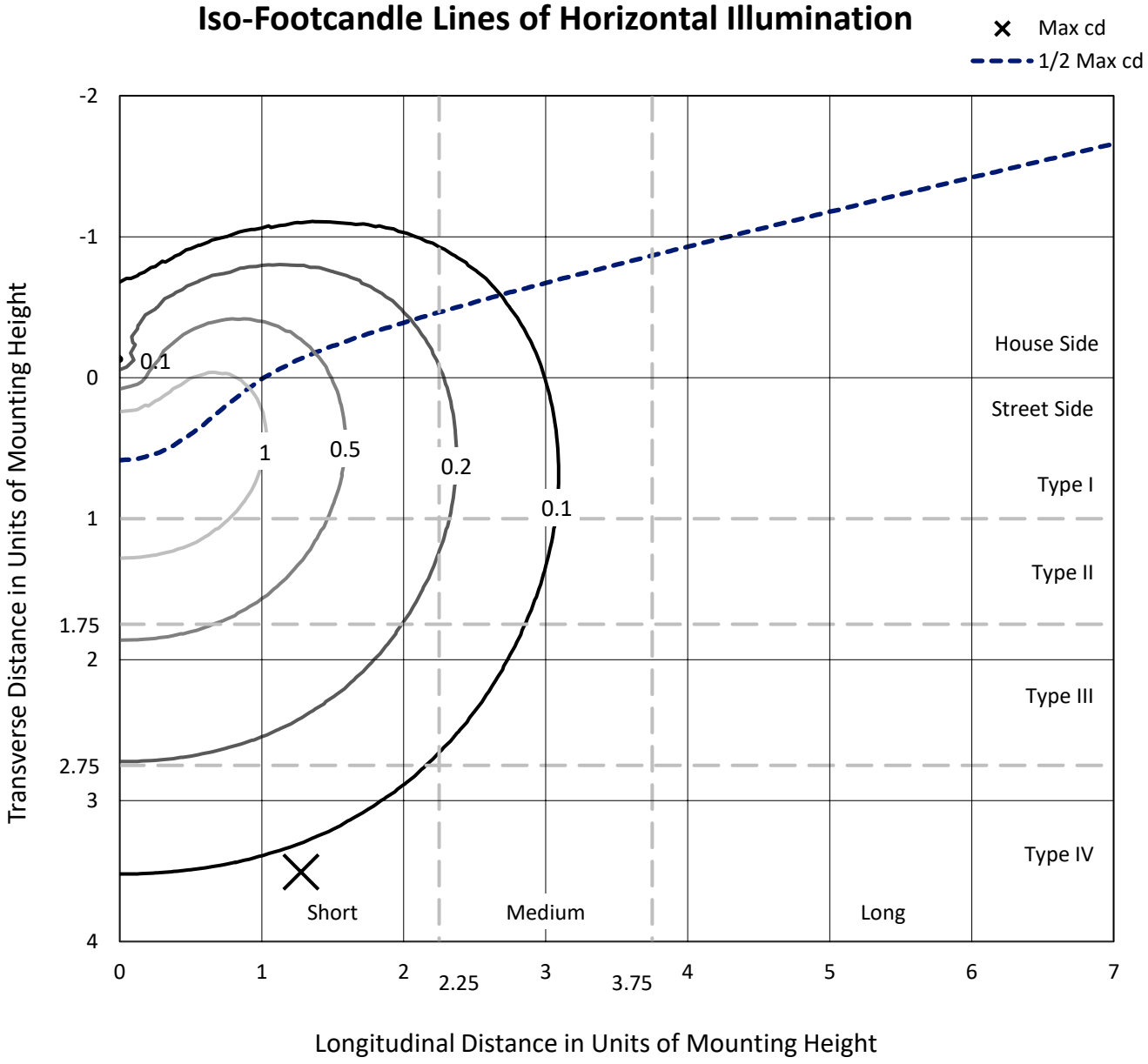


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Iso-Footcandle Lines of Horizontal Illumination



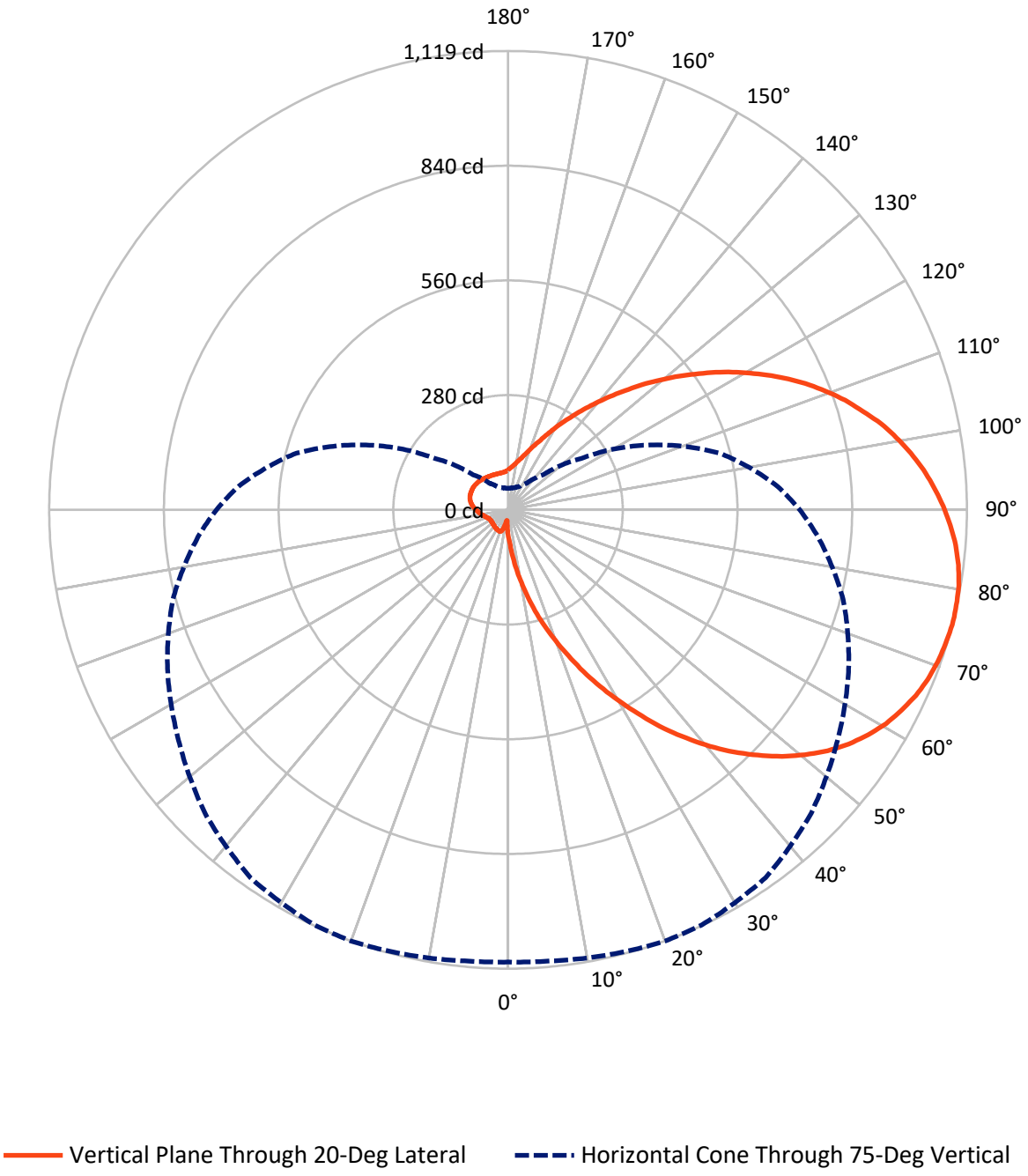
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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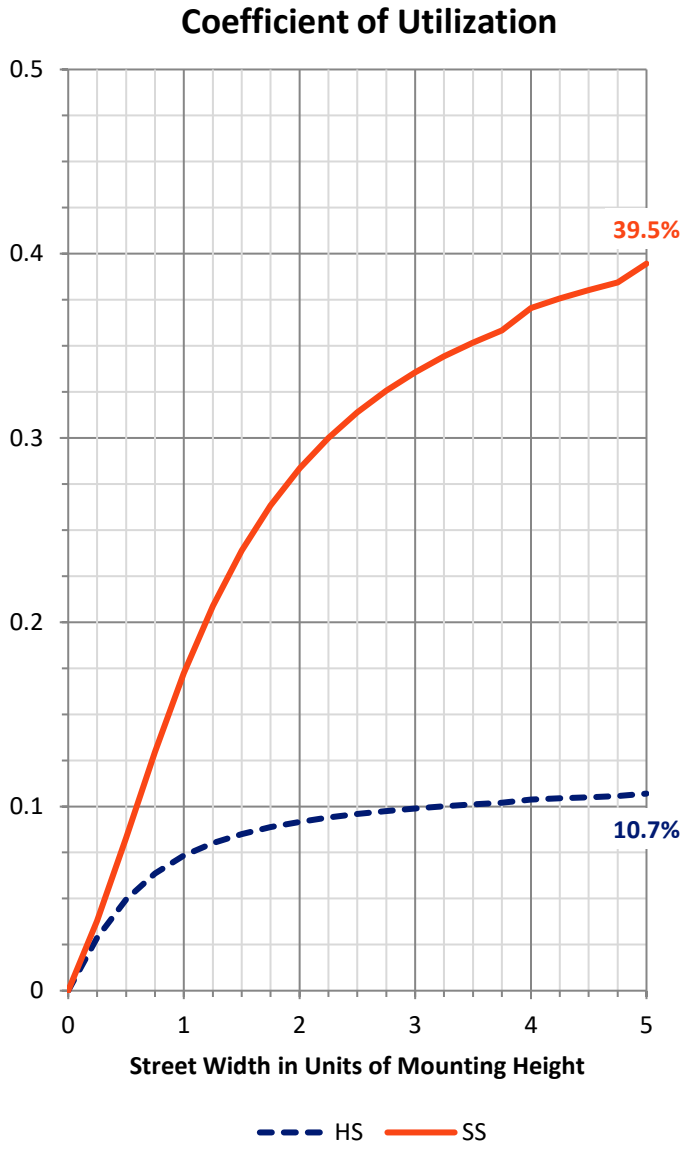
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	655.1	623.3	1278.4
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	2572.5	1815.7	4388.2
	% Fixture	45.4	32.0	77.4
Total	Lumens	3227.7	2439.0	5666.6
	% 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°	241.9	4.3
40°-50°	378.8	6.7
50°-60°	506.5	8.9
60°-70°	600.2	10.6
70°-80°	653.9	11.5
80°-90°	665.7	11.7
90°-100°	631.3	11.1
100°-110°	558.2	9.9
110°-120°	453.3	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°	3227.7	57.0
0°-180°	5666.6	100.0



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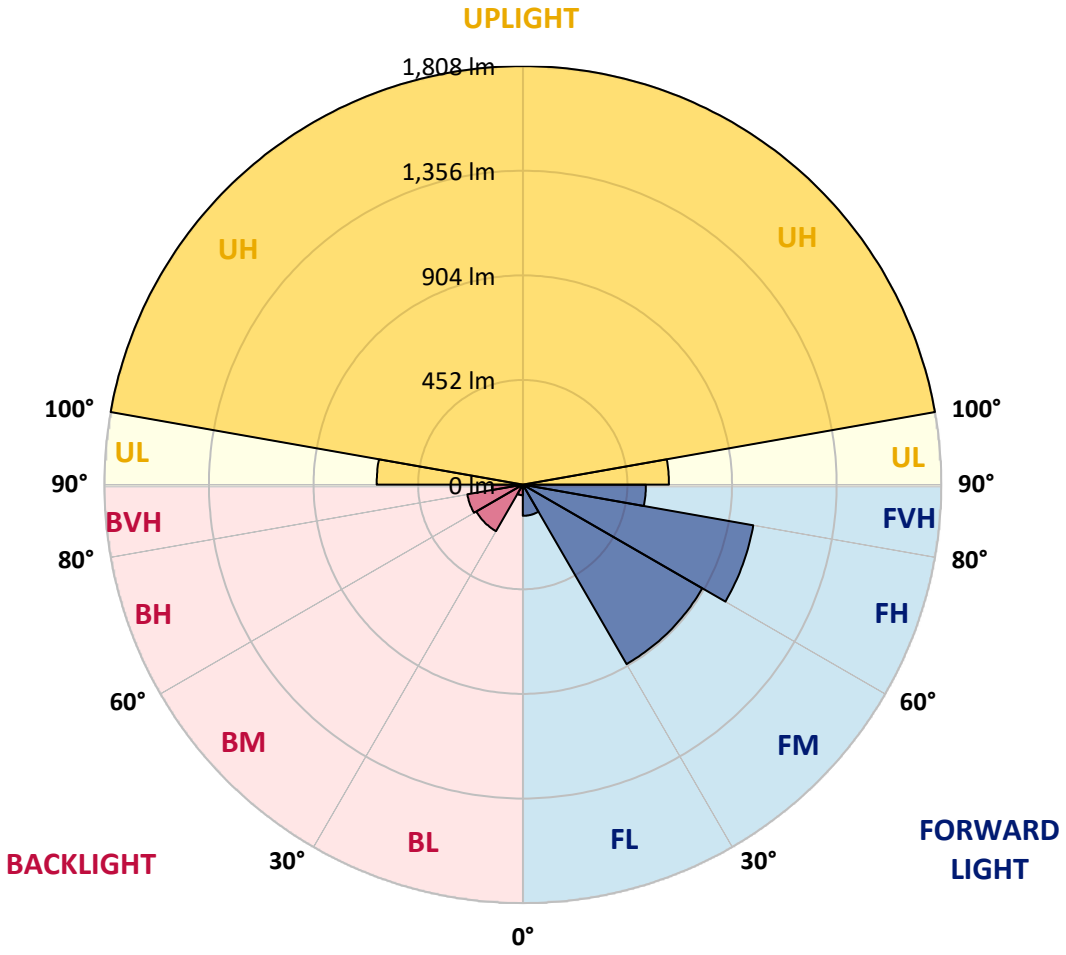
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	134.8	2.4			
FM	(30°-60°)	895.3	15.8			
FH	(60°-80°)	1010.9	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°)	631.3	11.1		U4/1000	
UH	(100°-180°)	1807.7	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	70.3	66.7
5°	110.2	110.7	109.6	*110.2*	110.7	107.8	103.6	98.2	90.5	83.4	75.6
7.5°	147.7	149.4	146.5	*145.9*	144.1	139.3	133.4	125.0	116.7	107.2	95.9
10°	188.7	188.2	184.6	*180.4*	179.2	173.3	165.5	157.8	145.3	133.4	121.5
12.5°	227.4	226.9	223.9	*220.9*	219.1	211.4	201.8	192.9	179.8	164.3	149.4
15°	267.9	268.5	265.6	*263.8*	260.2	252.5	244.7	231.6	218.5	200.7	182.8
17.5°	308.4	309.6	306.6	*305.4*	302.5	295.9	285.8	272.1	255.4	234.6	212.0
20°	353.1	354.3	352.5	*348.3*	344.7	337.6	328.7	311.4	292.9	271.5	242.3
22.5°	400.7	401.3	396.0	*394.8*	391.2	384.6	371.5	356.1	335.2	307.8	277.5
25°	447.8	447.8	446.6	*445.4*	440.0	432.3	419.2	400.1	376.9	347.7	312.0
27.5°	498.4	499.0	496.0	*494.8*	490.6	480.5	466.8	446.0	422.2	387.0	346.5
30°	552.0	551.4	548.4	*546.0*	544.2	534.1	518.6	497.2	467.4	426.9	385.8
32.5°	605.5	603.8	602.0	*599.6*	599.0	585.9	573.4	547.2	516.2	473.4	423.9
35°	660.3	656.1	655.0	*655.6*	652.6	641.9	623.4	597.8	562.1	517.4	461.4
37.5°	708.0	711.5	708.5	*706.2*	706.8	694.9	675.2	646.6	609.1	559.7	499.6
40°	760.9	758.6	758.6	*758.6*	756.8	746.1	725.2	693.7	650.8	598.4	532.9
42.5°	806.8	806.8	809.8	*808.0*	806.2	793.7	771.1	735.9	690.7	634.1	565.1
45°	853.8	852.6	856.2	*853.8*	852.6	839.5	815.7	779.4	731.8	669.8	597.2
47.5°	897.3	897.9	899.1	*899.1*	897.9	883.0	858.0	815.1	766.9	700.8	624.6
50°	934.8	937.8	941.4	*939.0*	940.2	924.1	896.1	852.6	796.7	730.0	649.0
52.5°	971.7	971.7	976.5	*976.5*	975.3	959.8	928.3	882.4	827.0	756.2	671.6
55°	1003.3	1003.9	1008.0	*1008.6*	1008.0	990.2	956.8	907.4	849.7	778.2	690.1
57.5°	1027.1	1028.9	1034.2	*1036.0*	1033.6	1017.6	980.1	930.0	868.7	795.5	706.2
60°	1048.5	1050.9	1056.9	*1059.2*	1057.5	1040.2	1000.9	947.3	884.2	810.4	719.9
62.5°	1067.6	1068.2	1075.9	*1077.1*	1076.5	1058.1	1016.4	960.4	896.7	821.7	731.8
65°	1081.3	1083.1	1091.4	*1093.2*	1092.0	1072.3	1028.9	971.1	906.8	831.2	740.7
67.5°	1092.0	1093.2	1101.5	*1104.5*	1103.3	1082.5	1037.8	977.7	912.8	837.8	747.8
70°	1097.9	1099.7	1109.3	*1111.6*	1110.5	1089.6	1043.2	980.7	916.3	842.5	752.6
72.5°	1101.5	1103.3	1113.4	*1116.4*	1115.8	1093.8	1045.6	981.8	917.5	844.9	756.2
75°	*1103.3*	*1105.1*	*1115.2*	*1119.4*	*1117.6*	*1095.6*	*1046.1*	*981.2*	*916.9*	*846.7*	*759.2*
76°	1103.3	1104.5	1115.2	*1119.4*	1117.6	1095.6	1046.1	980.1	916.3	847.3	760.3
77.5°	1102.1	1103.9	1114.6	*1118.2*	1117.0	1095.0	1044.4	977.7	914.6	846.1	760.9
80°	1099.1	1100.9	1111.0	*1115.2*	1113.4	1090.8	1040.2	972.9	909.8	843.7	760.9
82.5°	1092.6	1094.4	1103.9	*1106.9*	1106.3	1083.7	1032.5	964.6	902.7	839.5	759.8
85°	1082.5	1084.3	1092.0	*1095.6*	1093.8	1072.3	1021.1	953.3	893.7	833.0	756.2
87.5°	1068.8	1070.0	1078.3	*1079.5*	1078.9	1057.5	1006.9	939.0	881.8	824.1	750.2
90°	1052.1	1053.3	1059.8	*1061.6*	1059.8	1039.6	988.4	923.5	866.9	813.3	743.1
92.5°	1034.8	1034.2	1039.0	*1040.8*	1039.0	1018.8	969.3	905.0	851.4	801.4	734.1
95°	1014.6	1015.8	1017.0	*1018.2*	1015.8	996.1	947.9	884.8	834.8	788.3	725.8
97.5°	992.0	991.4	992.6	*992.6*	990.2	970.5	923.5	865.1	815.7	774.0	714.5
100°	968.1	967.6	966.4	*964.0*	961.6	942.5	899.1	840.7	796.1	756.8	703.2
102.5°	941.9	938.4	934.8	*934.2*	928.9	912.8	871.1	817.5	775.2	740.7	688.9
105°	909.8	908.6	903.2	*898.5*	895.5	877.6	839.5	791.9	753.2	721.1	673.4
107.5°	877.0	874.7	866.9	*865.1*	859.2	843.1	808.6	766.3	731.2	701.4	655.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	841.9	840.7	832.4	*827.0*	822.3	804.4	774.6	738.9	706.8	679.4	634.1
112.5°	802.6	801.4	792.5	*788.3*	781.2	767.5	739.5	707.4	680.0	655.0	611.5
115°	762.7	762.1	752.0	*746.7*	740.1	723.4	700.8	675.8	651.4	626.4	584.1
117.5°	722.8	719.9	709.7	*703.2*	696.6	681.8	663.3	643.6	621.0	597.8	556.1
120°	677.6	677.0	665.7	*660.3*	654.4	640.7	624.6	606.1	588.3	565.1	528.1
122.5°	634.1	633.5	623.4	*616.9*	609.1	598.4	585.3	571.0	554.9	532.3	496.0
125°	590.1	588.9	578.2	*571.6*	565.1	556.1	543.6	533.5	520.4	499.0	464.4
127.5°	545.4	543.0	536.5	*529.9*	522.8	511.5	507.3	498.4	484.1	463.2	432.9
130°	503.7	502.5	493.6	*487.6*	480.5	471.6	468.0	460.9	450.7	431.7	403.1
132.5°	460.3	459.1	453.7	*447.8*	441.8	432.9	431.1	424.5	414.4	398.9	372.1
135°	421.6	420.4	414.4	*407.9*	404.9	398.3	396.0	390.6	381.1	365.6	342.4
137.5°	384.0	383.4	377.5	*372.1*	368.6	363.8	361.4	356.7	349.5	335.8	314.4
140°	350.1	347.1	342.4	*337.6*	334.0	329.3	328.1	323.9	318.5	305.4	290.0
142.5°	316.2	314.4	310.8	*306.6*	304.3	298.9	295.9	294.1	287.0	276.9	264.4
145°	282.8	282.8	279.8	*276.9*	273.3	269.7	267.3	265.6	259.6	250.7	238.8
147.5°	254.8	254.8	252.5	*251.3*	248.3	243.5	241.7	240.0	234.6	227.4	217.9
150°	231.0	229.8	228.0	*226.3*	223.9	219.7	216.7	214.9	210.8	205.4	196.5
152.5°	207.2	207.2	206.0	*203.6*	201.8	198.9	196.5	194.1	191.1	185.2	178.0
155°	187.0	187.0	185.2	*184.0*	182.8	180.4	178.0	175.6	172.1	167.3	162.0
157.5°	170.3	170.3	169.1	*168.5*	166.1	164.9	162.5	160.2	156.6	152.4	147.7
160°	154.8	155.4	154.8	*154.2*	152.4	150.6	148.3	145.9	142.9	139.3	135.8
162.5°	142.3	142.9	141.7	*141.1*	139.9	138.1	135.8	134.6	132.2	128.0	124.4
165°	131.6	131.6	131.0	*130.4*	129.8	127.4	126.2	125.0	122.7	119.7	116.7
167.5°	123.3	123.3	122.7	*122.7*	121.5	120.3	118.5	117.3	114.9	113.1	109.6
170°	116.1	116.1	115.5	*114.9*	114.3	113.1	111.9	110.2	109.0	106.6	104.8
172.5°	110.2	110.2	109.6	*109.0*	109.0	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	97.1	96.5
180°	95.9	95.9	95.9	*95.9*	95.9	95.9	95.9	95.9	95.9	95.9	95.9

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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	58.4	54.2	51.2	47.0	43.5	42.3	41.7	41.1	41.1
5°	71.5	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	45.3	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	97.1	79.8	64.9	51.8	42.3	36.3	33.9	33.9
15°	170.3	160.2	138.7	115.5	94.7	76.8	61.9	51.2	44.1	41.1	40.5
17.5°	199.5	186.4	160.8	134.6	109.6	88.1	70.9	57.2	49.4	45.3	44.7
20°	230.4	214.4	184.0	151.8	123.3	97.1	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	45.3	44.7
25°	291.8	272.1	229.2	185.2	145.3	109.0	81.6	61.9	50.0	44.1	43.5
27.5°	325.1	301.9	253.6	202.4	155.4	114.9	83.4	61.9	48.8	42.9	42.3
30°	360.2	334.6	276.9	220.3	166.1	119.7	85.1	61.3	48.2	41.7	41.1
32.5°	396.0	366.2	302.5	237.6	176.8	124.4	86.3	61.3	47.0	41.1	39.9
35°	432.3	397.7	328.1	255.4	186.4	128.6	86.9	60.7	46.4	39.9	39.3
37.5°	464.4	428.7	351.9	271.5	195.3	131.6	87.5	60.1	45.8	39.3	38.7
40°	497.2	458.5	374.5	285.8	201.8	133.4	86.9	59.5	44.7	38.7	38.1
42.5°	526.9	485.3	395.4	299.5	207.8	135.2	86.3	58.4	44.1	38.1	37.5
45°	555.5	511.5	415.0	311.4	213.2	135.8	85.1	57.8	43.5	38.1	37.5
47.5°	581.7	534.1	434.1	322.7	217.9	135.8	84.5	56.6	43.5	38.1	37.5
50°	603.8	556.7	449.5	332.8	220.9	135.2	83.4	56.0	43.5	38.1	37.5
52.5°	625.2	575.2	465.0	340.6	222.7	134.0	81.6	55.4	43.5	38.7	38.1
55°	642.5	591.8	478.1	348.9	224.5	132.8	80.4	54.8	43.5	38.7	38.7
57.5°	657.3	605.5	488.2	354.3	224.5	130.4	79.2	54.8	44.1	39.9	39.3
60°	671.6	618.0	499.0	359.0	224.5	128.6	78.0	54.8	44.7	40.5	39.9
62.5°	681.2	628.2	507.3	363.2	223.3	126.8	76.8	54.8	45.3	41.7	41.1
65°	690.7	637.7	515.0	366.8	222.7	125.0	76.8	55.4	46.4	43.5	42.9
67.5°	697.8	645.4	520.4	369.2	221.5	123.3	76.2	56.6	48.2	45.3	44.7
70°	703.8	651.4	526.9	370.9	220.3	122.1	76.8	58.4	50.0	47.0	47.0
72.5°	708.5	656.7	530.5	372.7	219.1	121.5	78.0	60.1	53.0	50.0	49.4
75°	*711.5*	*659.7*	*534.1*	*373.3*	*217.9*	*120.9*	*79.2*	*62.5*	*55.4*	*53.0*	*52.4*
76°	712.1	660.9	535.3	373.9	217.3	120.9	79.8	63.1	56.6	54.2	53.6
77.5°	713.9	662.7	536.5	373.9	216.7	120.9	81.0	64.9	58.4	56.0	56.0
80°	715.1	663.9	538.3	374.5	215.5	120.9	82.8	67.9	61.9	59.5	58.9
82.5°	714.5	664.5	538.9	373.3	214.9	121.5	85.1	70.9	65.5	63.1	62.5
85°	712.1	662.7	537.7	371.5	213.2	122.7	87.5	74.4	68.5	66.1	66.1
87.5°	708.0	658.5	534.7	369.2	212.0	123.3	89.9	77.4	72.0	69.7	69.7
90°	702.0	653.8	531.1	366.8	210.2	123.8	92.9	80.4	75.6	73.8	73.2
92.5°	694.9	647.8	526.3	363.2	209.0	125.0	95.3	84.0	79.2	76.8	76.8
95°	687.7	641.3	521.0	359.0	207.8	126.8	97.6	86.9	82.2	80.4	80.4
97.5°	677.6	632.3	513.8	354.3	206.0	127.4	100.6	89.9	85.7	83.4	83.4
100°	665.1	622.2	505.5	349.5	204.8	129.2	103.0	92.9	88.7	86.9	86.3
102.5°	652.6	610.3	496.6	344.2	203.0	129.8	105.4	95.9	91.1	89.3	89.3
105°	638.3	597.2	485.3	337.0	201.3	131.0	107.2	97.6	93.5	91.7	91.1
107.5°	621.6	580.5	474.0	330.5	199.5	132.2	109.0	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: P1045916
CATALOG NUMBER: FFX-CLB-60-722-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	602.6	565.1	460.3	323.3	198.3	134.0	110.7	100.6	96.5	94.1	94.1
112.5°	580.5	543.0	445.4	315.0	198.3	136.4	111.9	101.8	97.1	94.7	94.7
115°	554.3	519.8	427.5	307.2	197.7	138.7	114.3	102.4	97.1	95.3	94.7
117.5°	528.7	495.4	409.6	299.5	199.5	142.9	116.7	103.6	97.1	94.7	94.7
120°	500.2	469.8	391.2	291.8	201.8	147.1	119.7	104.2	97.1	94.1	94.1
122.5°	470.4	442.4	373.3	284.6	203.6	151.8	122.1	105.4	96.5	93.5	92.9
125°	442.4	414.4	353.1	277.5	205.4	156.0	125.0	106.0	95.9	92.3	91.7
127.5°	411.4	390.0	335.2	269.7	206.6	159.6	127.4	106.6	95.3	91.1	90.5
130°	384.6	363.8	317.4	261.4	205.4	160.8	128.0	106.0	94.1	89.9	89.9
132.5°	354.9	338.2	297.7	250.7	202.4	160.8	128.6	106.0	93.5	89.3	88.7
135°	328.7	313.2	279.3	238.8	197.1	158.4	127.4	105.4	92.9	88.7	88.1
137.5°	304.3	289.4	259.6	226.3	189.3	154.2	125.0	104.2	92.3	88.1	87.5
140°	278.1	267.3	241.7	212.6	181.0	149.4	122.1	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	135.8	114.9	100.0	91.1	88.1	87.5
147.5°	212.0	203.0	188.2	169.1	150.0	129.2	111.3	98.2	91.1	88.1	87.5
150°	191.1	185.2	172.1	156.6	139.3	122.7	107.8	97.1	91.1	88.7	88.1
152.5°	173.3	169.1	157.8	145.3	130.4	116.1	104.2	95.9	91.1	88.7	88.7
155°	158.4	154.2	144.7	133.4	122.7	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	123.3	116.7	109.6	103.0	97.1	92.9	91.1	89.9	89.9
162.5°	122.7	120.3	115.5	110.2	104.8	99.4	95.3	92.3	91.1	89.9	89.9
165°	114.9	113.1	109.0	104.8	101.2	97.1	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	95.9	94.1	92.3	91.7	91.7	91.1	91.7
172.5°	100.0	99.4	97.6	95.9	94.7	92.9	92.3	91.7	92.3	92.3	92.3
175°	97.6	97.1	95.9	94.7	94.1	92.9	92.9	92.3	92.9	93.5	93.5
177.5°	95.9	95.3	94.7	94.7	94.1	93.5	93.5	94.1	94.7	94.7	94.7
180°	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

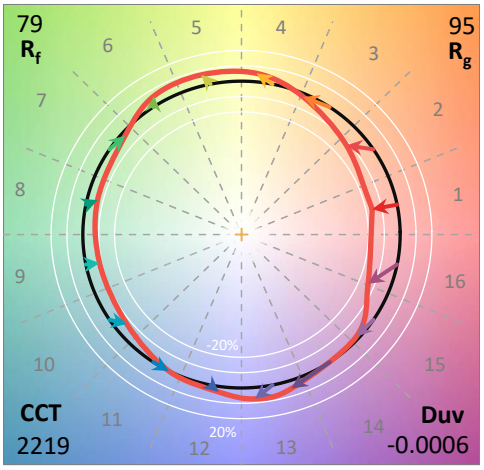
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

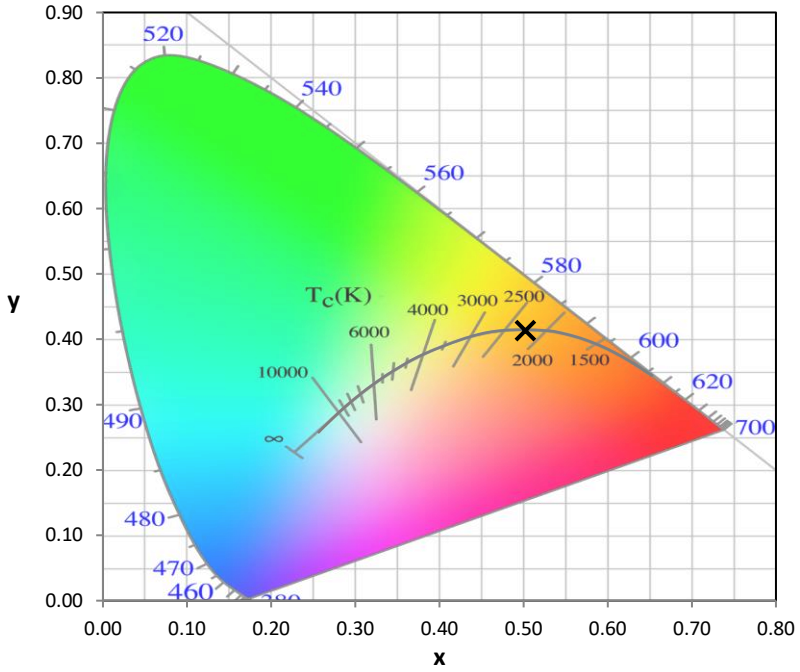
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

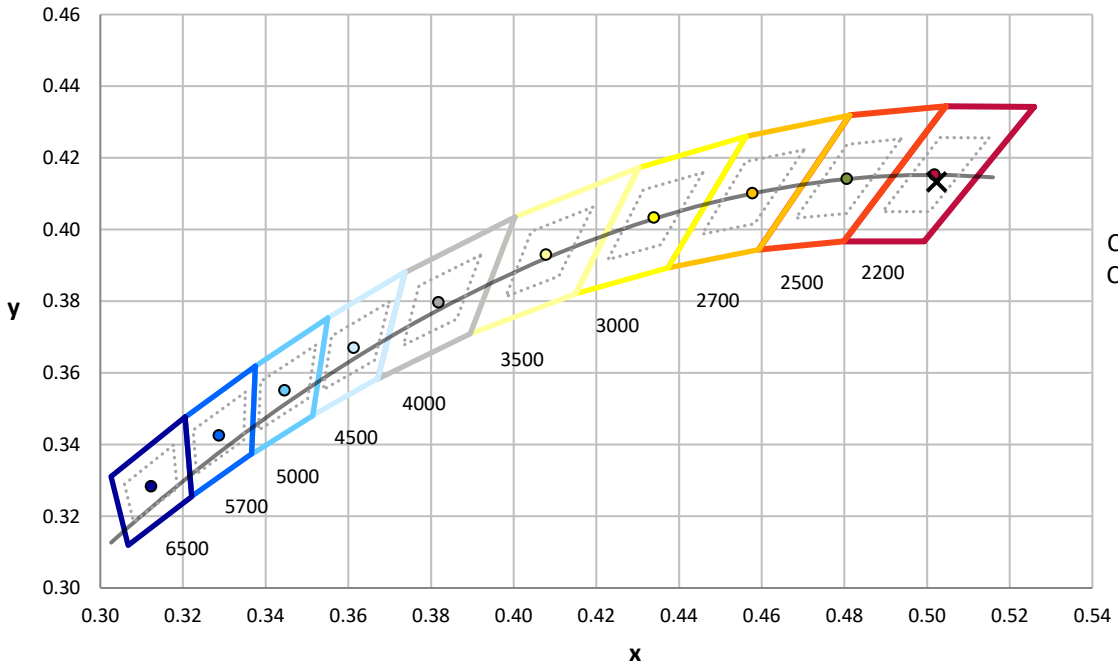
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

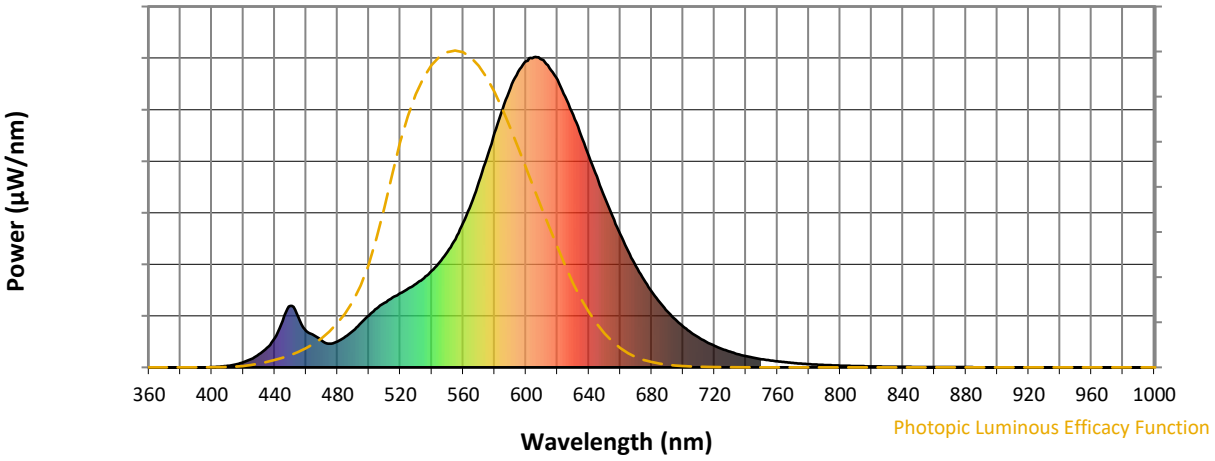


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

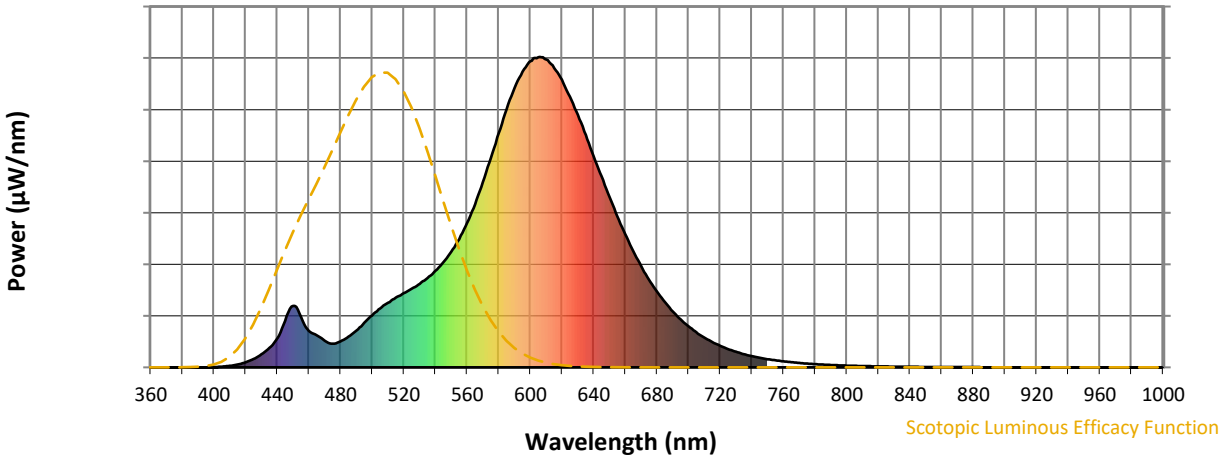


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

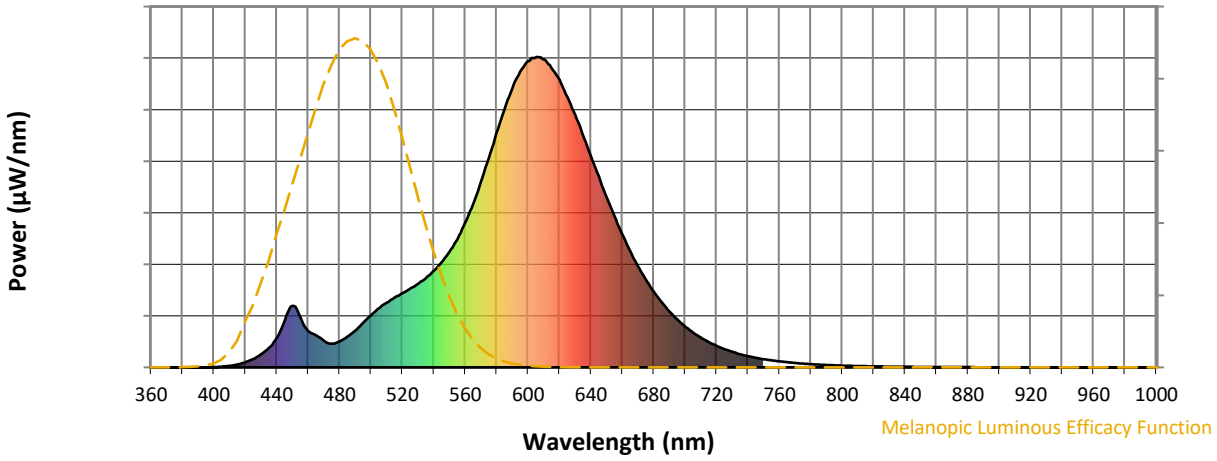


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

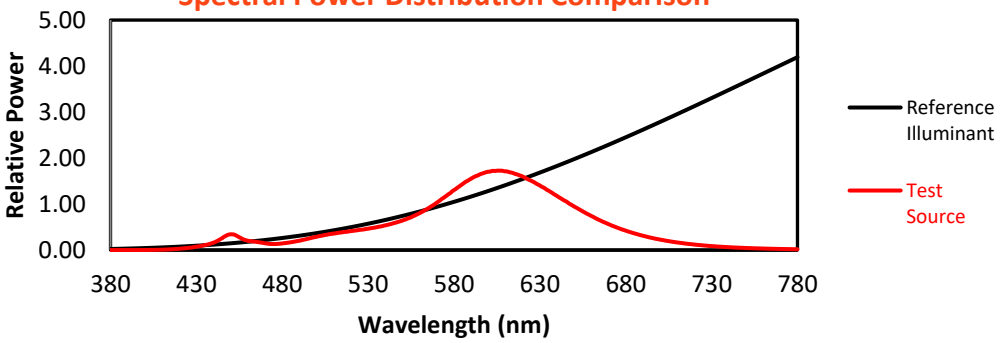
REPORT NUMBER: SP1-2501-332-2

TM-30-18

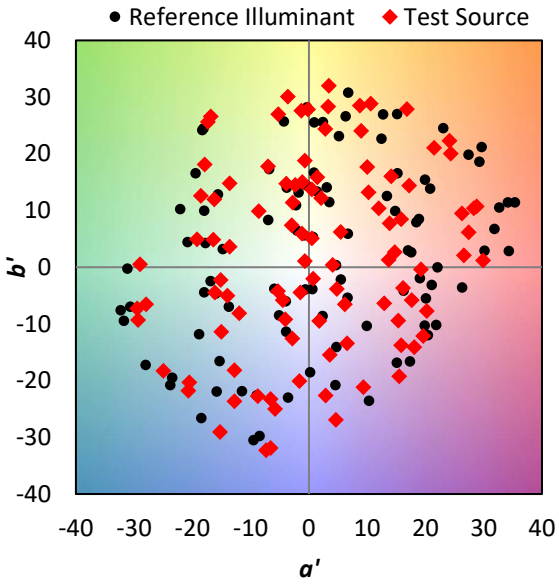
Summary

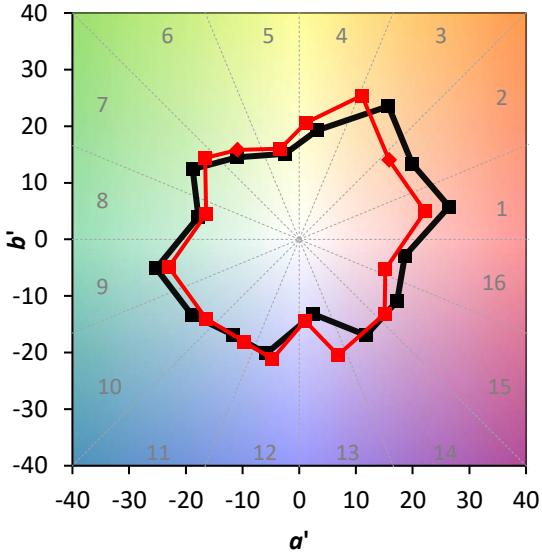
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

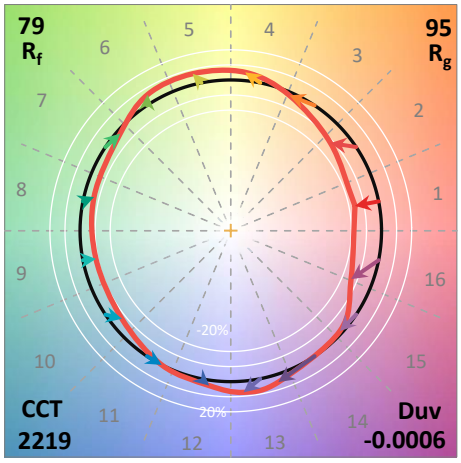
Spectral Power Distribution Comparison

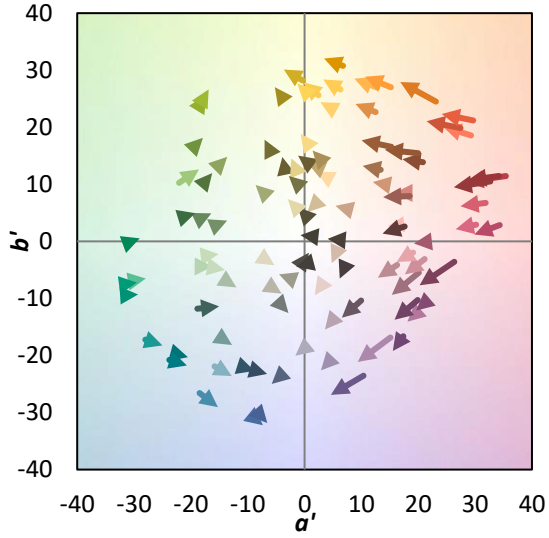


Color Vector Graphics







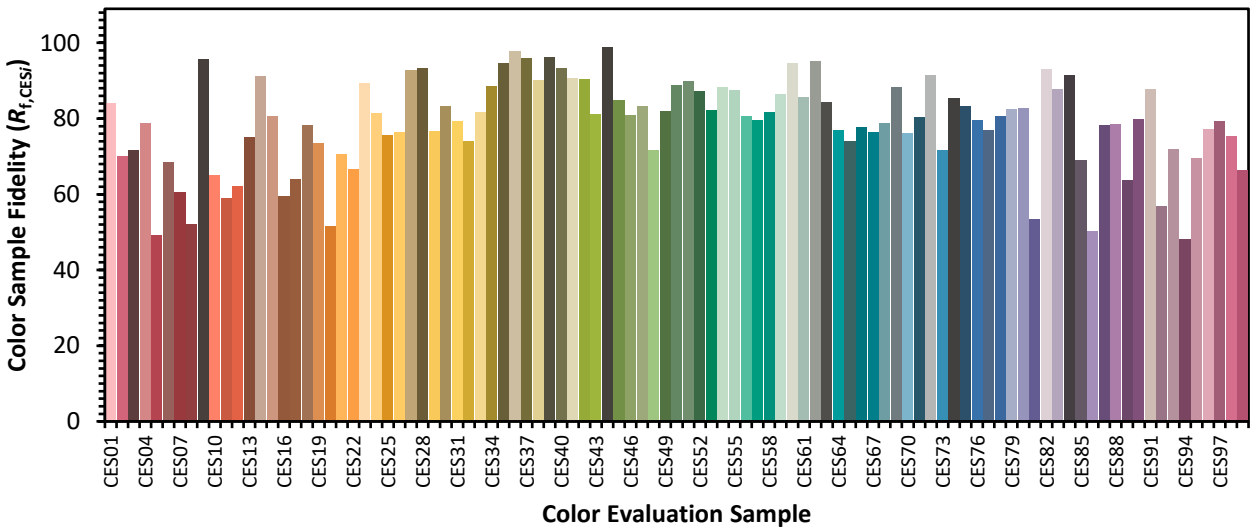


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

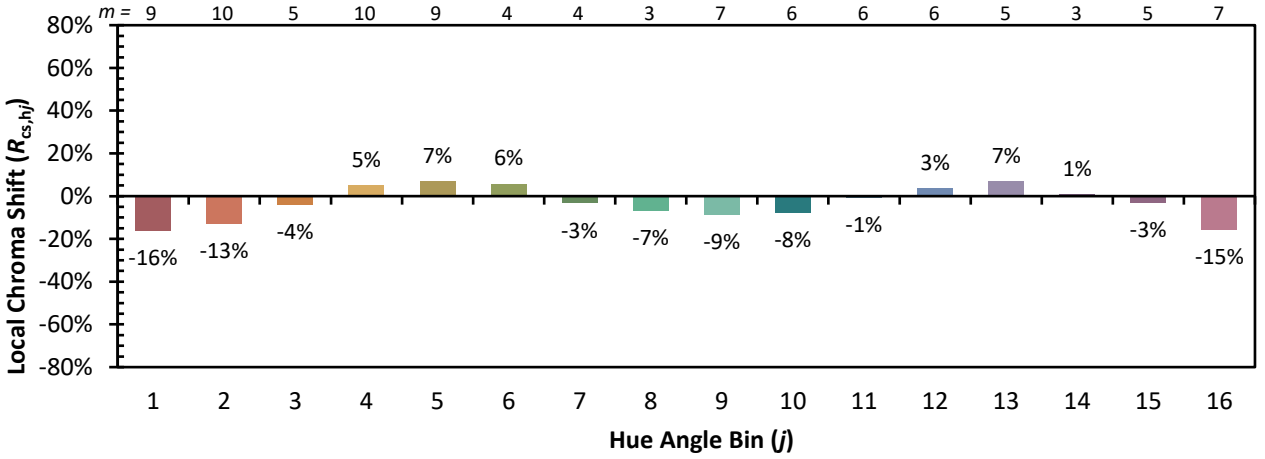
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

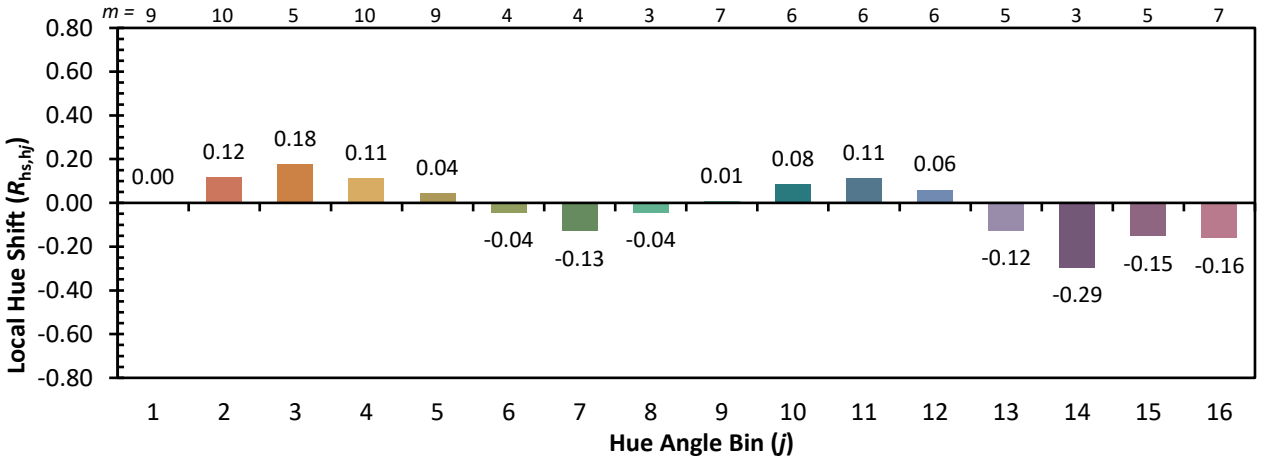


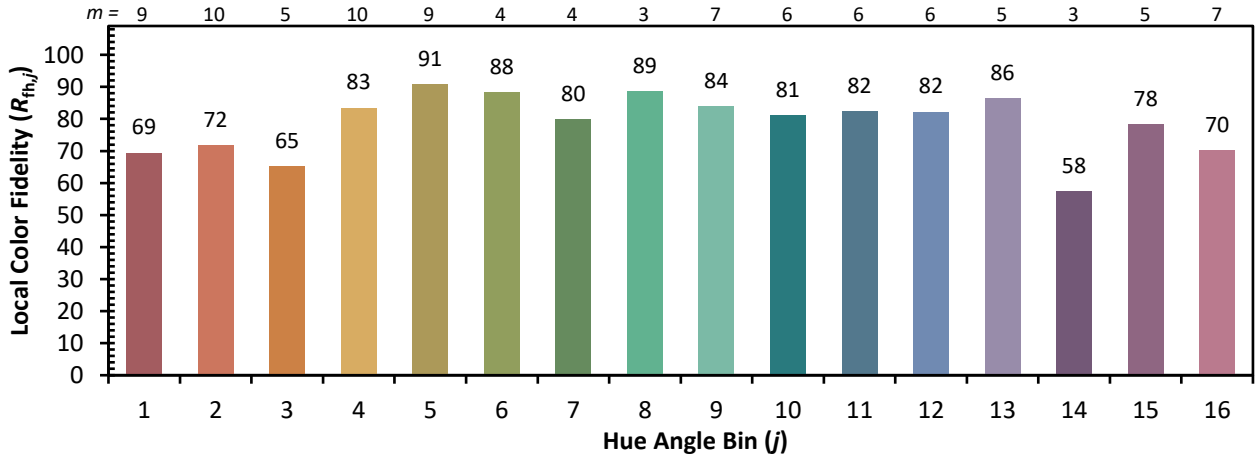
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Color Rendition by Hue-Angle Bin



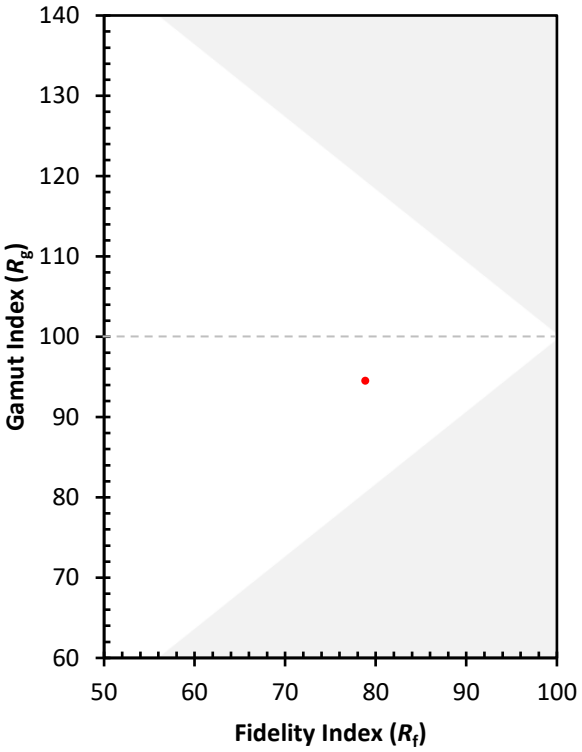


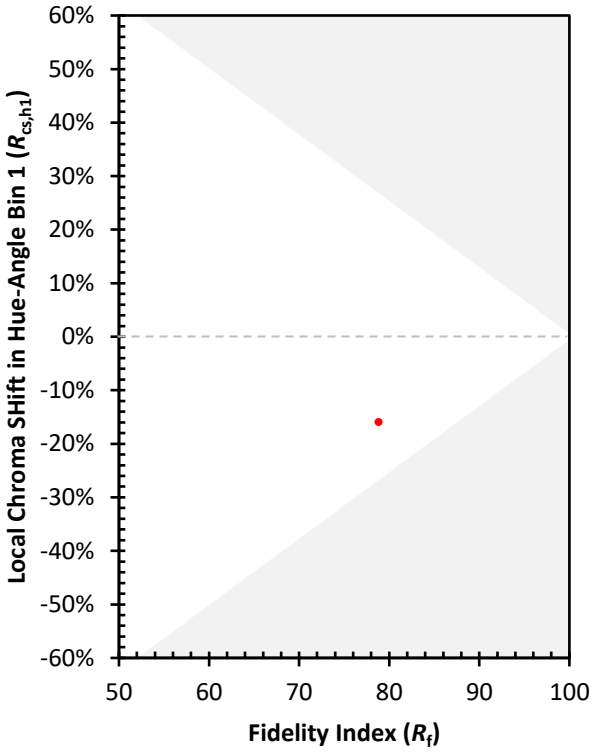


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Measure Comparisons





(END OF REPORT)