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: P1045826

Luminaire Tested: **FFX-CLB-60-722-U-VM8-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:	P1045826
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-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5439.3 lumens
Efficiency:	N/A
Efficacy:	89.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

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

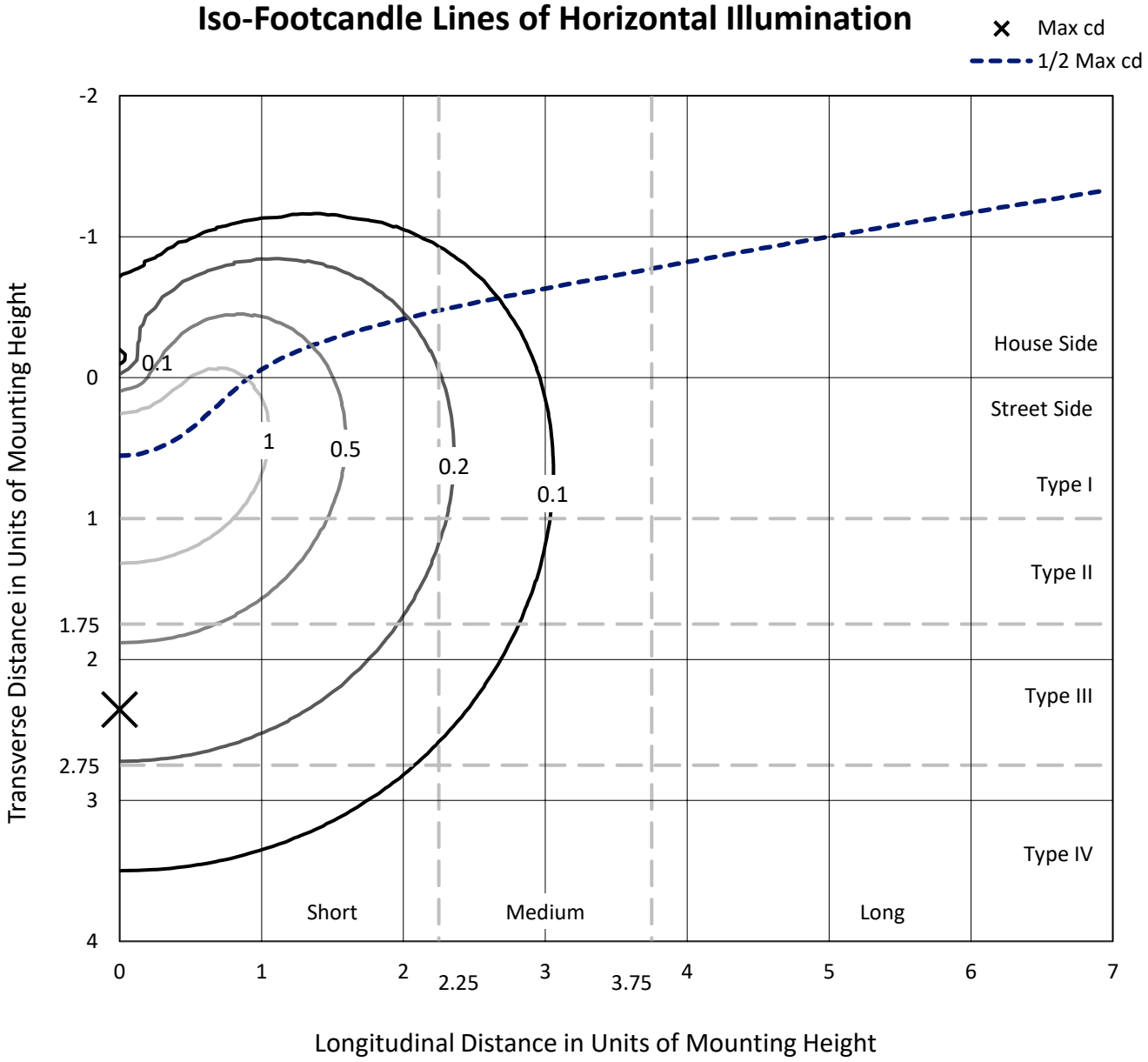


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Iso-Footcandle Lines of Horizontal Illumination



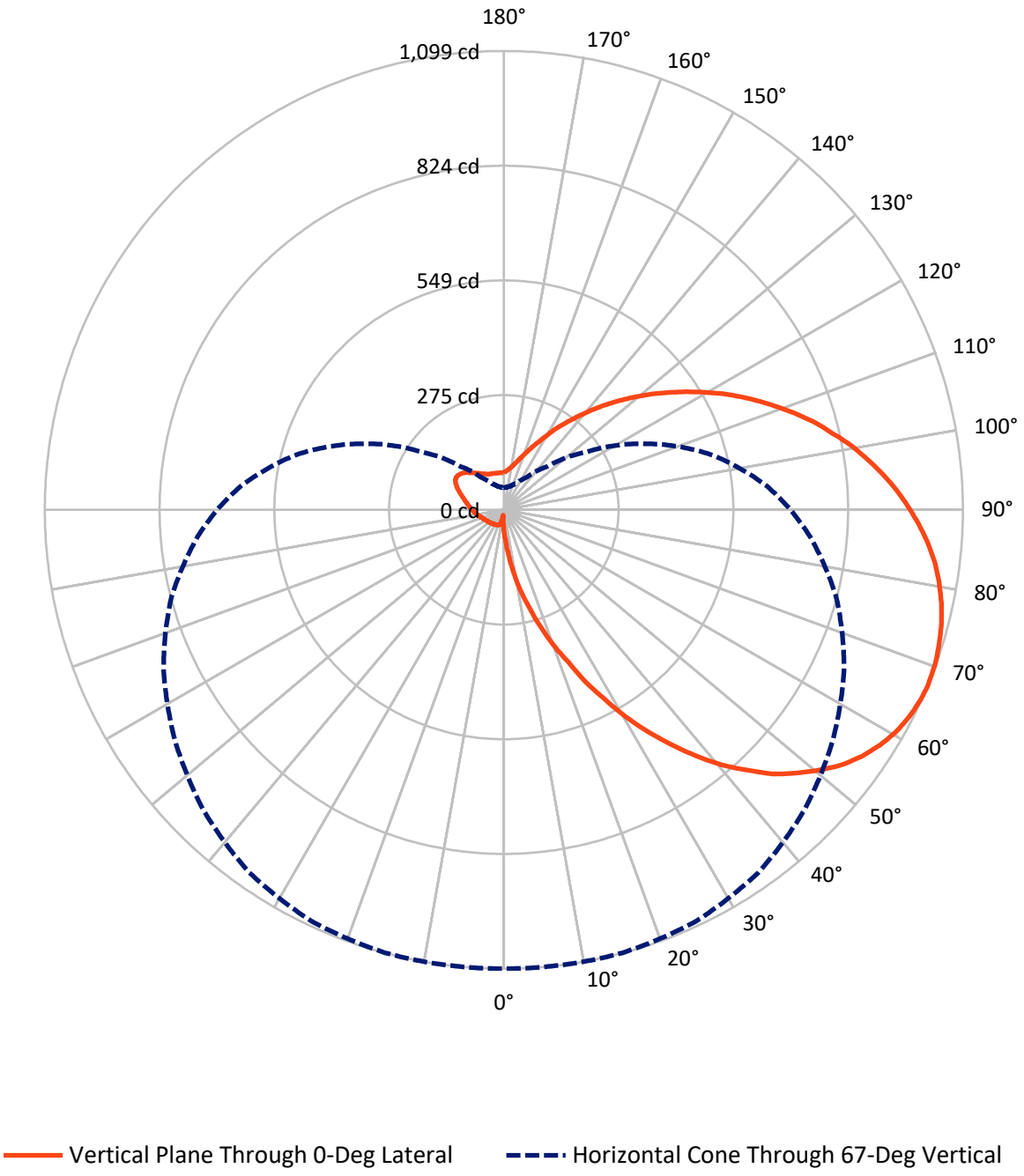
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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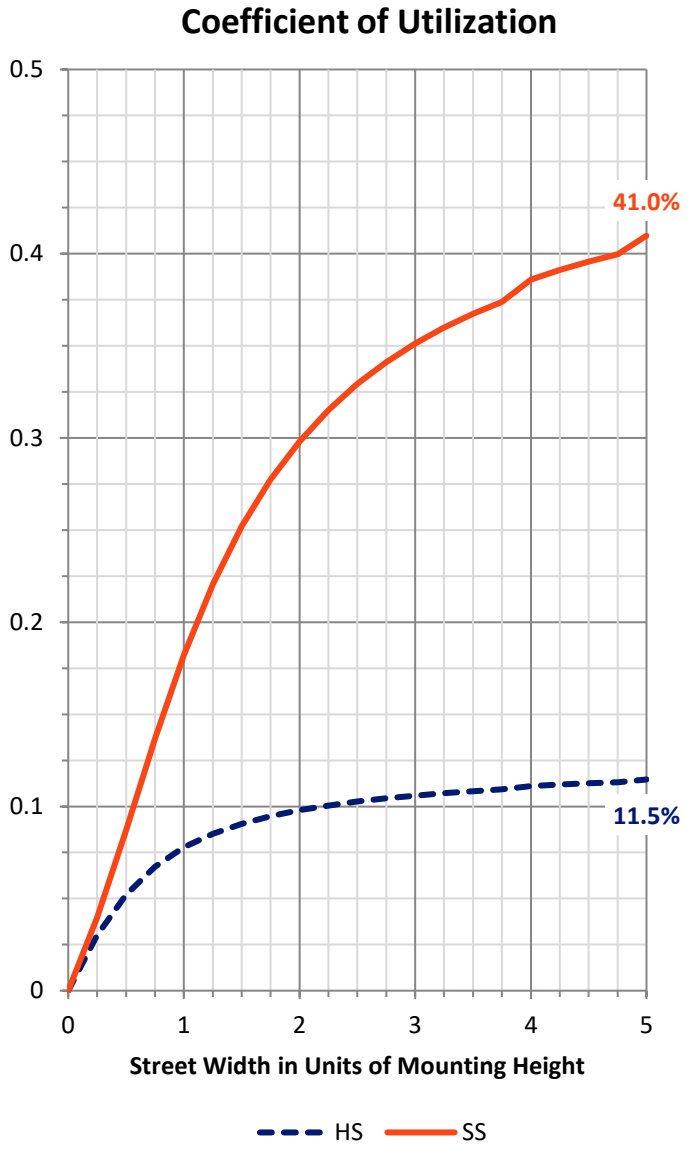
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	673.6	641.7	1315.3
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	2539.8	1584.2	4124.0
	% Fixture	46.7	29.1	75.8
Total	Lumens	3213.3	2226.0	5439.3
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	45.2	0.8
20°-30°	126.2	2.3
30°-40°	252.5	4.6
40°-50°	396.8	7.3
50°-60°	521.8	9.6
60°-70°	602.5	11.1
70°-80°	635.8	11.7
80°-90°	625.3	11.5
90°-100°	573.9	10.6
100°-110°	496.4	9.1
110°-120°	407.4	7.5
120°-130°	310.7	5.7
130°-140°	209.2	3.8
140°-150°	124.0	2.3
150°-160°	65.2	1.2
160°-170°	30.4	0.6
170°-180°	8.8	0.2
0°-90°	3213.3	59.1
0°-180°	5439.3	100.0



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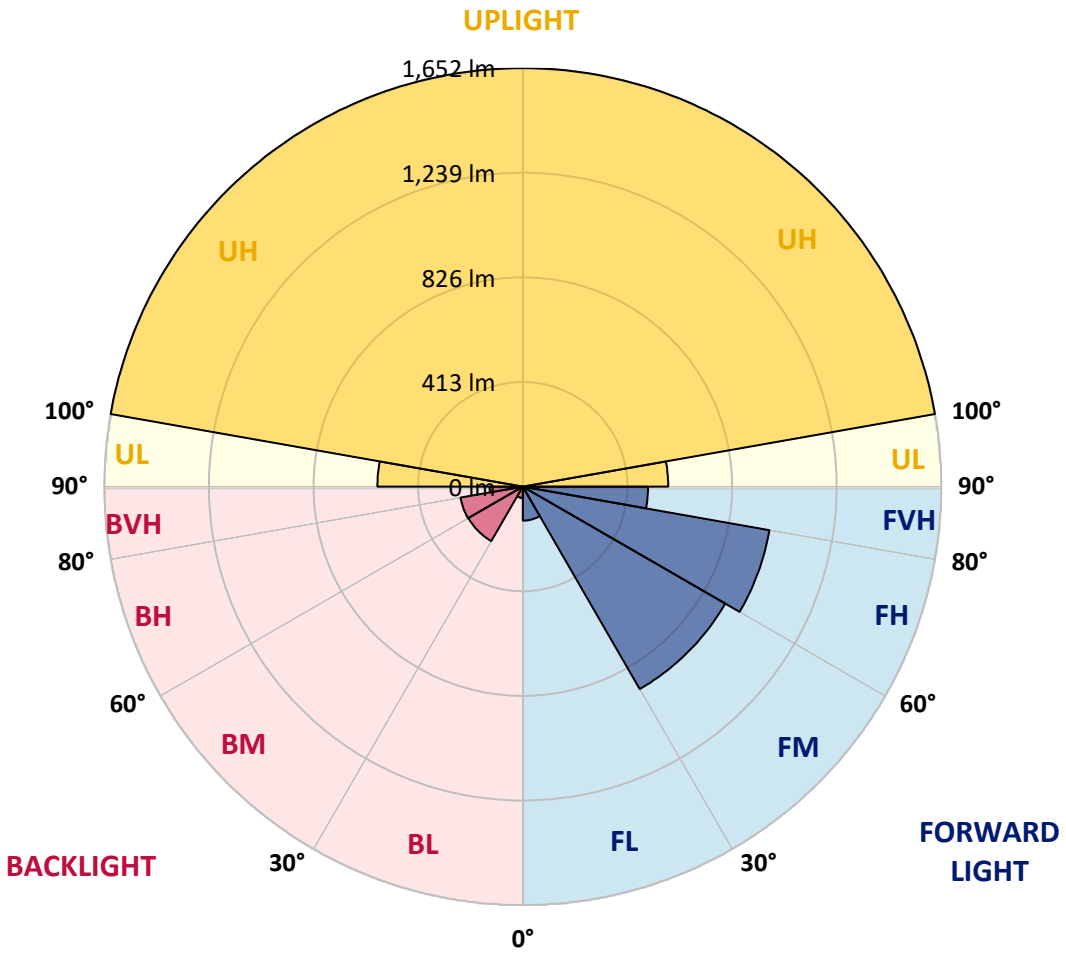
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	134.2	2.5			
FM	(30°-60°)	922.8	17.0			
FH	(60°-80°)	988.6	18.2			G1/1800
FVH	(80°-90°)	494.2	9.1			G3/500
BL	(0°-30°)	44.4	0.8	B0/110		
BM	(30°-60°)	248.4	4.6	B1/1000		
BH	(60°-80°)	249.7	4.6	B1/500		G1/500
BVH	(80°-90°)	131.1	2.4			G2/225
UL	(90°-100°)	573.9	10.6		U4/1000	
UH	(100°-180°)	1652.0	30.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*53.0*	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	*70.2*	71.4	71.4	70.8	70.2	69.0	67.8	65.5	60.7	57.1	53.6
5°	*101.8*	101.8	102.4	101.8	99.4	97.0	91.6	87.5	79.7	73.8	67.2
7.5°	*138.1*	139.9	139.3	137.5	133.3	127.9	121.4	113.7	105.9	97.0	86.9
10°	*178.5*	177.9	177.9	175.6	170.8	163.7	156.5	147.6	136.3	125.0	111.9
12.5°	*216.6*	218.4	217.2	214.2	208.3	202.9	194.0	183.9	170.8	158.9	141.0
15°	*257.7*	258.9	258.9	257.1	251.7	244.0	233.9	224.4	207.1	190.4	173.2
17.5°	*304.7*	302.9	300.5	300.5	294.0	287.4	277.3	264.2	245.2	226.7	203.5
20°	*351.7*	351.1	348.1	346.4	342.2	332.7	319.6	304.7	285.7	264.8	237.4
22.5°	*395.7*	401.7	401.1	398.1	392.8	383.3	369.0	351.1	331.5	305.3	273.8
25°	*458.2*	454.7	455.3	452.3	447.5	436.2	421.9	401.1	377.3	348.1	312.4
27.5°	*512.4*	511.2	511.2	509.4	502.9	491.0	474.3	454.7	427.3	392.8	352.9
30°	*574.9*	571.9	570.7	568.9	562.4	549.3	532.0	507.6	477.9	442.8	395.7
32.5°	*633.8*	631.4	627.2	626.6	621.9	608.2	588.6	563.6	529.6	488.6	436.8
35°	*690.3*	691.5	689.7	686.8	680.2	667.1	648.1	617.7	584.4	536.8	480.8
37.5°	*747.5*	746.9	748.1	745.7	735.6	723.1	700.4	668.3	630.2	578.4	519.5
40°	*803.4*	800.4	799.8	797.4	790.3	777.8	752.2	719.5	676.6	623.1	556.4
42.5°	*851.6*	852.8	851.6	849.2	839.7	825.4	798.6	762.3	717.1	659.4	590.9
45°	*902.2*	900.4	899.8	899.8	887.3	872.4	843.3	805.8	755.2	693.3	620.7
47.5°	*942.1*	944.4	943.2	940.3	931.9	913.5	882.5	841.5	788.5	724.8	647.5
50°	*979.5*	982.5	983.1	980.1	970.0	949.8	917.7	871.8	818.3	751.0	670.7
52.5°	*1014.1*	1013.5	1015.3	1013.5	1003.9	983.1	946.2	899.8	842.1	773.0	688.5
55°	*1040.8*	1040.8	1042.0	1039.7	1030.7	1007.5	969.4	920.0	861.1	790.3	704.0
57.5°	*1062.3*	1063.5	1062.9	1062.3	1052.2	1027.8	987.3	936.1	876.6	802.8	715.3
60°	*1078.9*	1079.5	1079.5	1078.3	1068.2	1042.6	1001.6	948.6	886.7	813.5	724.2
62.5°	*1089.6*	1090.2	1090.2	1089.0	1078.9	1052.7	1011.1	956.3	893.9	820.1	730.2
65°	*1096.2*	1096.8	1096.8	1095.6	1085.5	1058.7	1015.9	960.5	897.4	823.6	733.8
67°	*1098.6*	*1098.6*	*1098.6*	*1098.0*	*1087.3*	*1061.1*	*1017.0*	*961.1*	*898.6*	*824.8*	*735.6*
67.5°	*1098.0*	1098.0	1098.6	1097.4	1087.3	1060.5	1016.4	961.1	898.0	824.8	735.6
70°	*1096.2*	1096.2	1096.2	1095.0	1084.9	1058.1	1014.1	958.1	896.2	823.6	735.0
72.5°	*1089.6*	1090.2	1090.2	1089.0	1078.9	1052.7	1008.7	952.8	891.5	820.1	733.2
75°	*1081.9*	1081.9	1081.9	1080.7	1070.6	1044.4	1001.0	945.6	885.5	815.3	729.6
77.5°	*1070.6*	1070.6	1070.6	1069.4	1059.3	1033.7	990.9	936.7	877.8	808.8	725.4
80°	*1056.3*	1056.9	1056.3	1055.1	1045.0	1019.4	978.4	925.4	867.7	801.0	719.5
82.5°	*1039.7*	1040.3	1039.7	1037.3	1027.8	1003.4	962.3	910.5	855.8	790.9	712.3
85°	*1018.2*	1017.6	1018.2	1014.7	1006.3	981.9	944.4	893.9	840.9	779.0	702.2
87.5°	*993.8*	994.4	993.2	991.5	981.3	957.5	921.8	874.8	823.6	764.7	690.3
90°	*967.1*	967.1	966.5	964.1	953.4	931.9	898.0	852.8	805.2	748.6	677.8
92.5°	*939.7*	939.1	937.3	936.1	926.6	904.6	871.8	831.4	786.7	732.6	664.7
95°	*909.3*	909.3	908.1	905.8	895.0	877.2	845.6	807.6	765.3	715.3	651.0
97.5°	*877.2*	876.6	876.0	872.4	862.9	845.1	819.5	782.6	743.9	696.9	635.6
100°	*845.6*	843.9	842.7	839.1	830.8	813.5	789.1	757.0	719.5	676.6	618.9
102.5°	*808.8*	808.8	808.2	804.6	793.9	779.6	757.6	729.0	696.9	655.8	601.1
105°	*776.0*	773.0	771.9	768.3	760.0	744.5	726.0	701.0	671.3	633.2	583.2
107.5°	*739.1*	736.7	736.1	730.8	724.2	710.0	694.5	671.3	646.3	612.4	564.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*701.6*	700.4	699.8	694.5	686.2	676.6	660.6	642.1	620.1	589.2	547.5
112.5°	*664.7*	663.5	663.5	659.4	651.6	639.7	628.4	612.4	592.7	565.9	527.3
115°	*628.4*	626.6	626.1	621.3	613.6	604.6	593.3	582.0	565.4	542.7	507.6
117.5°	*592.1*	589.8	590.3	586.2	580.2	571.3	560.6	552.9	538.6	517.7	488.0
120°	*554.6*	555.2	555.2	549.9	544.5	537.4	528.5	520.7	511.2	492.8	465.4
122.5°	*518.9*	520.1	520.1	516.6	510.0	503.5	497.5	490.4	482.0	467.8	443.4
125°	*483.2*	485.6	484.4	481.4	476.1	468.9	464.8	458.8	452.3	440.4	419.0
127.5°	*450.5*	450.5	447.5	448.1	442.8	436.8	433.2	429.1	422.5	411.2	394.0
130°	*416.6*	417.2	417.8	414.2	409.4	404.7	401.1	399.3	394.0	384.4	367.2
132.5°	*385.6*	385.6	384.4	382.1	377.9	374.3	374.3	369.0	364.8	355.9	341.0
135°	*355.3*	354.7	354.7	352.3	349.3	347.5	343.4	341.0	336.8	328.5	317.2
137.5°	*325.5*	326.7	325.5	323.7	320.8	318.4	315.4	314.8	308.9	302.9	290.4
140°	*297.0*	298.7	297.0	296.4	294.0	291.0	289.2	286.8	285.1	277.3	266.6
142.5°	*270.2*	271.4	270.2	269.6	267.8	265.4	264.2	262.4	258.3	253.5	244.6
145°	*247.0*	246.4	246.4	245.8	243.4	241.6	239.8	238.6	236.3	231.5	221.4
147.5°	*224.4*	222.6	223.8	222.6	220.8	219.6	219.0	216.6	214.2	209.5	202.3
150°	*201.1*	202.3	201.7	201.1	199.4	199.4	197.6	195.8	194.0	188.6	183.9
152.5°	*182.1*	182.1	182.7	181.5	180.9	179.1	177.9	177.3	175.0	171.4	166.0
155°	*166.0*	165.4	165.4	165.4	164.3	162.5	161.9	160.7	159.5	155.3	150.6
157.5°	*150.6*	150.6	150.6	150.0	150.0	148.2	147.6	145.8	144.0	141.6	137.5
160°	*137.5*	137.5	136.9	136.9	136.3	135.7	134.5	132.7	131.5	129.7	126.2
162.5°	*126.8*	126.2	126.2	125.6	125.0	123.8	123.2	122.6	120.8	119.0	116.0
165°	*116.6*	116.6	116.6	116.0	115.5	114.9	114.3	113.1	111.9	110.7	108.9
167.5°	*108.9*	108.9	108.9	108.3	108.3	107.7	107.1	105.9	104.7	103.5	102.4
170°	*103.0*	103.0	103.0	102.4	101.8	101.2	100.6	100.0	99.4	98.2	97.6
172.5°	*98.2*	98.2	98.2	98.2	97.0	96.4	95.8	95.8	95.2	94.6	94.0
175°	*94.0*	94.0	94.0	94.0	93.4	92.8	92.2	92.2	91.6	91.1	90.5
177.5°	*91.6*	91.6	91.6	91.1	91.1	90.5	89.9	89.9	89.3	89.3	88.7
180°	*88.7*	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	51.2	48.8	44.6	41.1	38.1	35.1	33.3	31.5	31.5	32.1	30.9
5°	61.9	57.7	50.0	41.7	34.5	28.6	23.8	19.6	16.1	14.3	14.3
7.5°	82.1	77.4	66.7	55.9	45.8	36.3	28.6	22.0	16.7	13.7	13.1
10°	105.3	100.0	85.1	72.0	59.5	47.6	37.5	28.6	22.6	19.6	19.0
12.5°	132.1	125.0	107.1	90.5	74.4	59.5	47.0	36.9	30.9	28.0	27.4
15°	163.1	151.8	131.5	110.7	89.9	71.4	56.5	45.2	38.7	34.5	34.5
17.5°	191.0	179.1	154.7	127.9	104.1	82.7	64.9	51.2	42.3	38.1	37.5
20°	223.2	207.1	177.9	147.0	117.8	91.6	70.2	54.8	44.0	38.7	38.7
22.5°	255.9	239.2	203.5	166.0	130.9	100.0	75.6	57.1	45.2	39.3	38.7
25°	294.6	272.0	229.1	186.9	145.8	108.9	80.3	59.5	46.4	40.5	39.3
27.5°	332.1	308.9	258.9	207.7	159.5	117.8	84.5	61.9	47.6	41.1	40.5
30°	371.3	342.8	286.2	229.1	173.8	125.6	88.7	63.7	48.2	41.7	40.5
32.5°	410.6	379.1	316.6	249.9	187.5	132.7	92.2	64.9	49.4	42.3	41.1
35°	450.5	416.6	345.8	270.8	200.0	139.3	94.6	66.1	50.0	42.3	41.7
37.5°	485.0	449.3	373.1	289.8	210.7	144.6	97.0	67.2	50.0	42.8	42.3
40°	519.5	480.8	396.9	305.9	220.2	148.8	98.8	67.8	50.6	43.4	42.8
42.5°	550.5	507.6	417.8	320.2	227.9	151.8	99.4	67.8	51.2	44.0	43.4
45°	578.4	535.0	437.4	333.9	234.5	153.5	100.0	68.4	51.8	44.6	44.0
47.5°	604.0	557.6	455.3	345.2	239.8	155.3	100.0	68.4	52.4	45.8	44.6
50°	625.5	576.7	470.1	354.7	243.4	155.9	99.4	68.4	53.0	46.4	45.8
52.5°	642.1	592.7	482.6	361.2	245.8	155.3	98.8	68.4	53.6	47.0	46.4
55°	656.4	605.8	491.6	366.6	246.4	154.1	98.2	68.4	54.2	48.2	47.6
57.5°	667.1	615.3	499.3	370.8	247.0	152.9	97.0	68.4	54.8	48.8	48.2
60°	675.4	623.7	505.2	373.1	246.4	151.2	96.4	68.4	55.3	50.0	49.4
62.5°	681.4	628.4	508.8	373.7	244.6	149.4	95.2	68.4	55.9	51.2	50.6
65°	685.0	632.0	511.8	374.3	242.8	147.6	94.6	69.0	57.1	53.0	52.4
67°	*686.2*	*633.8*	*512.4*	*374.3*	*241.6*	*146.4*	*94.6*	*69.6*	*58.3*	*53.6*	*53.0*
67.5°	686.8	633.8	512.4	373.7	241.0	146.4	94.6	69.6	58.3	54.2	53.6
70°	686.2	633.8	512.4	372.5	239.2	145.2	94.0	70.8	60.1	55.9	55.3
72.5°	685.0	632.6	511.2	370.8	236.9	144.0	94.6	72.0	61.9	57.7	57.1
75°	682.0	630.2	508.8	368.4	235.1	142.8	95.2	73.2	63.7	60.1	59.5
77.5°	679.0	627.2	507.0	366.0	233.3	142.8	95.8	75.0	66.1	62.5	61.9
80°	673.7	623.1	503.5	363.6	231.5	142.2	97.0	77.4	68.4	64.9	64.3
82.5°	667.1	617.1	498.7	360.0	229.7	142.2	98.8	79.1	70.8	67.2	66.7
85°	658.2	609.4	492.8	355.3	227.9	142.8	100.0	81.5	73.2	70.2	69.6
87.5°	648.1	599.9	485.6	351.1	226.1	142.8	101.8	83.9	75.6	72.6	72.6
90°	636.2	589.8	477.3	346.4	224.4	144.0	104.1	86.3	78.6	75.6	75.6
92.5°	625.5	579.0	470.7	341.6	223.2	145.2	106.5	89.3	81.5	78.6	78.6
95°	611.2	567.7	461.2	337.4	222.6	146.4	108.9	92.2	85.1	82.1	81.5
97.5°	597.5	555.2	452.9	332.7	222.0	148.8	111.9	95.8	88.1	85.1	85.1
100°	582.6	542.7	443.4	328.5	222.0	151.8	116.0	99.4	92.2	89.3	88.7
102.5°	568.3	529.1	433.8	324.3	223.2	154.7	120.2	103.5	96.4	93.4	92.8
105°	552.3	514.8	425.5	320.8	224.4	158.9	125.0	108.9	101.2	98.2	97.6
107.5°	536.2	501.7	416.0	317.8	226.7	164.3	130.9	114.3	106.5	103.0	102.4

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

Scaled Data Report

REPORT NUMBER: P1045826
CATALOG NUMBER: FFX-CLB-60-722-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	518.9	487.4	407.6	315.4	230.3	170.2	137.5	121.4	112.5	108.9	108.3
112.5°	502.9	473.1	398.7	313.6	233.9	177.3	145.2	127.9	119.6	114.9	114.3
115°	485.0	458.2	390.4	311.8	238.0	184.5	153.5	135.1	126.2	121.4	121.4
117.5°	467.8	442.8	380.9	310.1	242.2	192.2	161.3	142.8	132.7	127.9	127.4
120°	447.5	426.1	370.8	306.5	244.6	198.2	167.8	149.4	138.1	133.3	132.7
122.5°	427.3	407.6	357.7	301.1	245.2	201.7	172.6	154.7	142.8	137.5	136.9
125°	404.1	387.4	344.0	292.8	243.4	203.5	175.6	156.5	144.6	138.7	138.1
127.5°	381.5	365.4	327.9	282.7	238.6	201.7	175.0	156.5	144.6	138.1	137.5
130°	357.1	342.8	308.9	270.2	230.9	197.6	172.6	154.1	142.2	135.7	135.1
132.5°	332.1	320.2	290.4	256.5	221.4	191.0	167.2	150.0	138.1	132.1	131.5
135°	307.7	297.0	271.4	241.0	211.3	183.3	161.3	144.6	132.7	127.4	127.4
137.5°	284.5	274.3	251.7	226.1	199.4	174.4	154.1	138.1	127.9	122.6	121.4
140°	260.7	252.3	232.7	210.1	186.9	164.8	146.4	131.5	122.0	117.2	116.6
142.5°	238.6	231.5	214.8	196.4	175.0	155.9	138.7	126.2	117.2	112.5	111.9
145°	217.8	211.3	197.0	180.3	163.1	146.4	130.9	119.6	111.9	108.3	107.7
147.5°	197.0	192.8	180.9	167.2	151.2	136.3	123.8	114.3	107.1	104.1	103.5
150°	179.7	174.4	165.4	152.9	140.4	127.9	117.2	108.9	103.5	100.6	100.6
152.5°	162.5	159.5	150.6	141.0	130.3	120.2	110.7	104.1	100.0	97.6	97.6
155°	149.4	145.2	137.5	129.7	120.8	112.5	105.9	100.6	97.0	95.2	94.6
157.5°	135.7	133.3	127.4	120.2	113.7	107.1	101.8	97.6	94.6	93.4	92.8
160°	124.4	122.6	117.8	112.5	107.1	102.4	98.2	95.2	92.8	91.6	91.6
162.5°	114.9	113.7	109.5	105.9	101.8	98.2	95.2	92.8	91.6	91.1	91.1
165°	107.7	106.5	103.5	100.6	98.2	95.2	93.4	91.6	90.5	90.5	90.5
167.5°	101.8	100.6	98.8	97.0	95.2	92.8	91.6	90.5	90.5	89.9	89.9
170°	97.0	96.4	94.6	93.4	92.2	91.1	90.5	89.9	89.3	89.3	89.3
172.5°	93.4	92.8	91.6	91.1	89.9	89.3	89.3	89.3	89.3	89.3	89.3
175°	90.5	89.9	89.9	89.3	88.7	88.7	88.1	88.7	88.7	88.7	88.7
177.5°	88.7	88.7	88.1	88.1	88.1	88.1	88.1	88.7	88.7	89.3	89.3
180°	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7

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

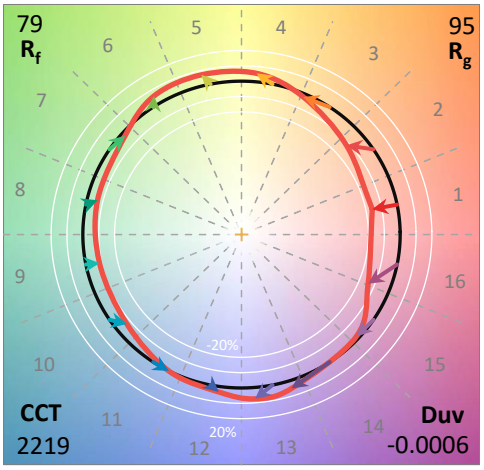
Test Information

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

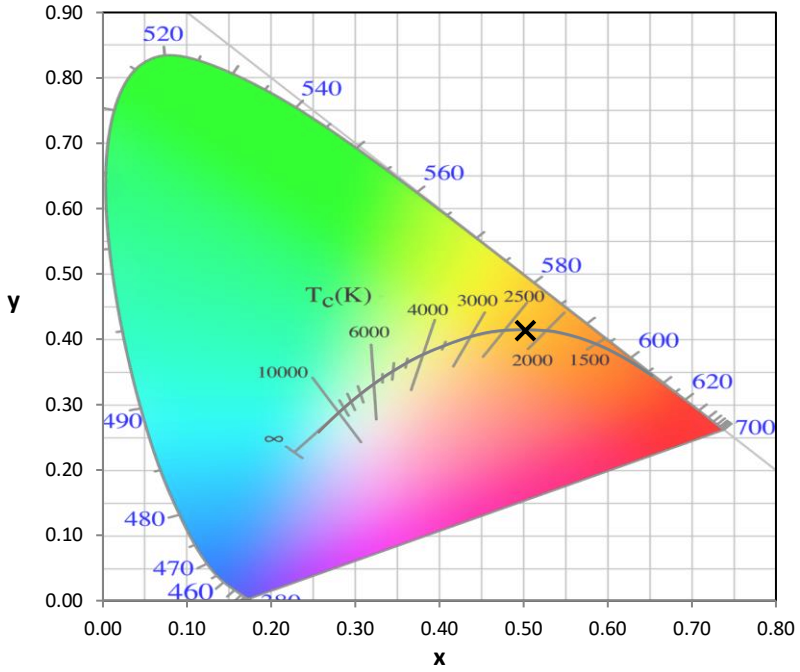
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

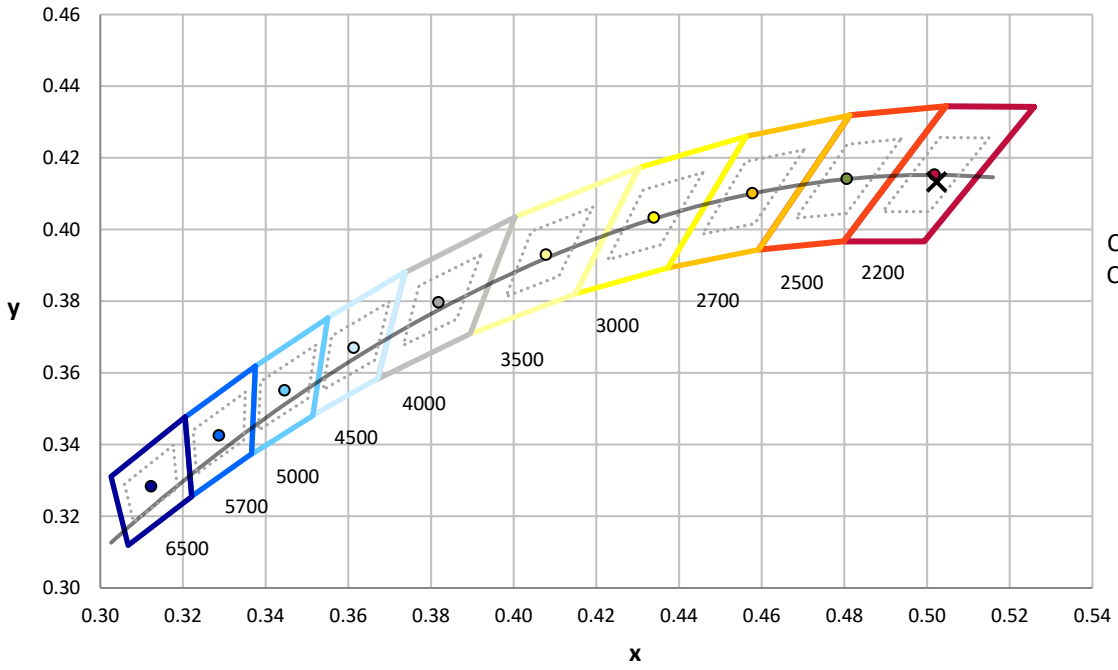
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

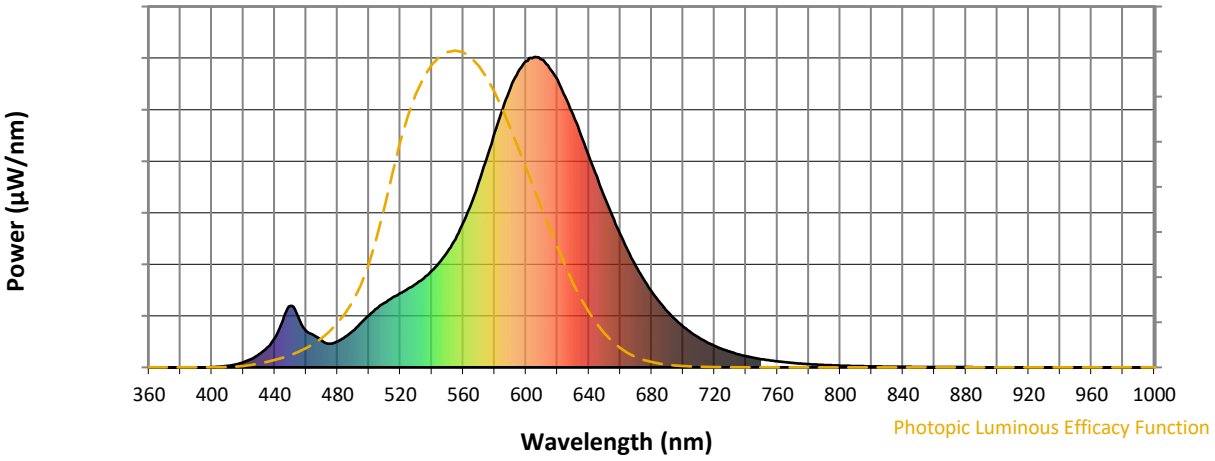


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

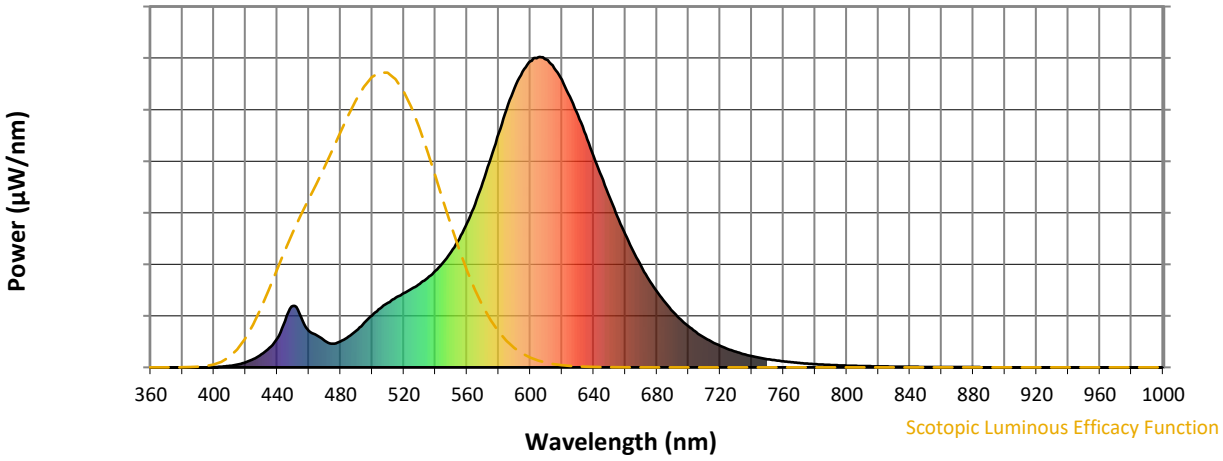


Photopic Lumens: NR

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

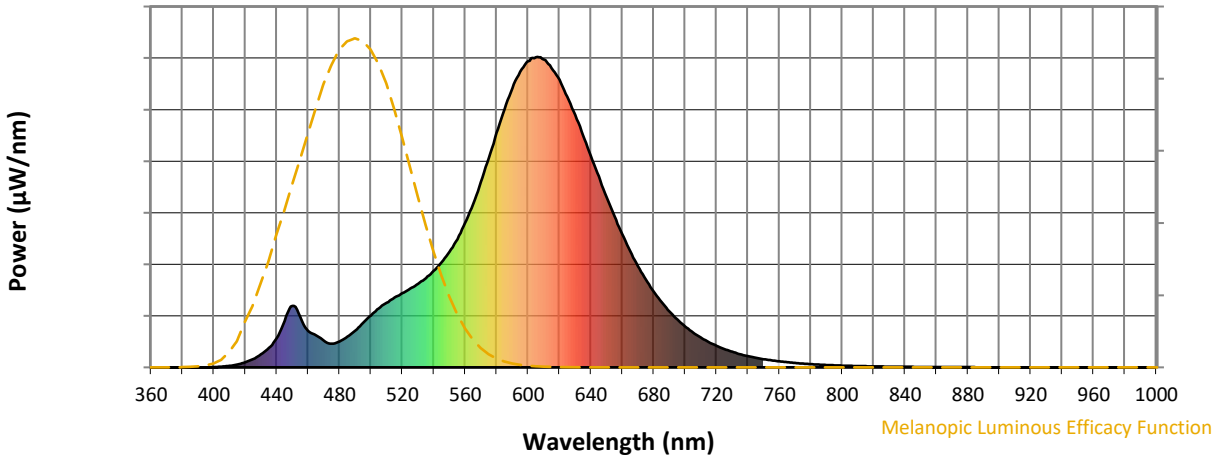


Scotopic Lumens: NR **S/P: 0.94**

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			

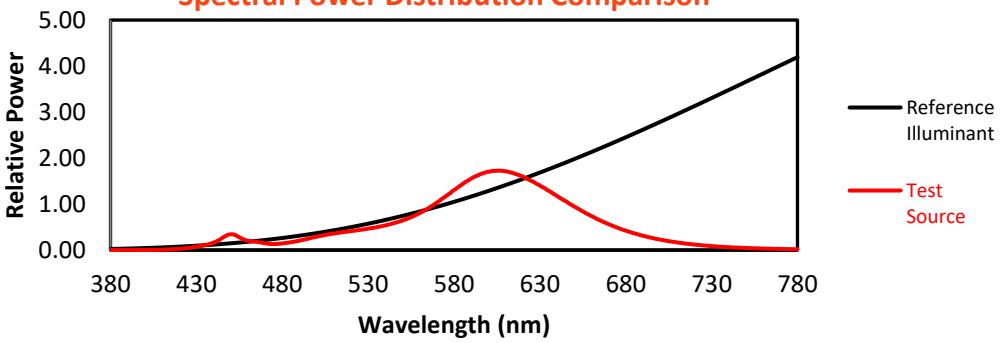
REPORT NUMBER: SP1-2501-332-2

TM-30-18

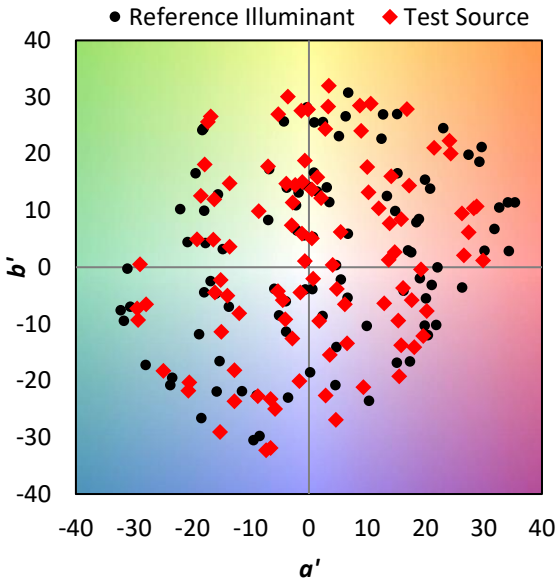
Summary

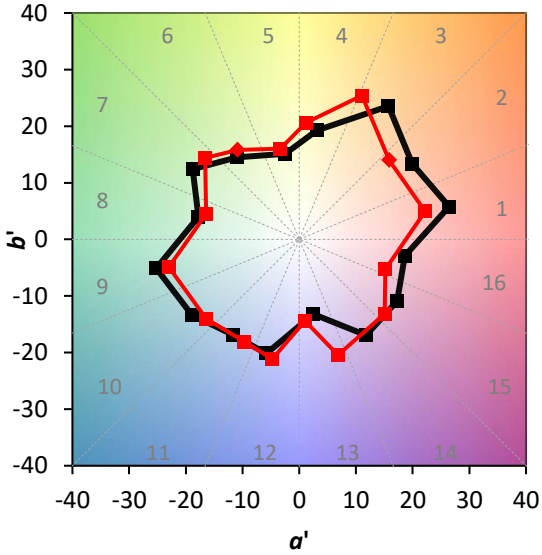
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

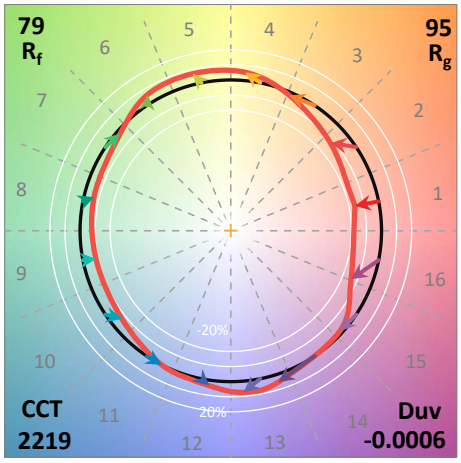
Spectral Power Distribution Comparison

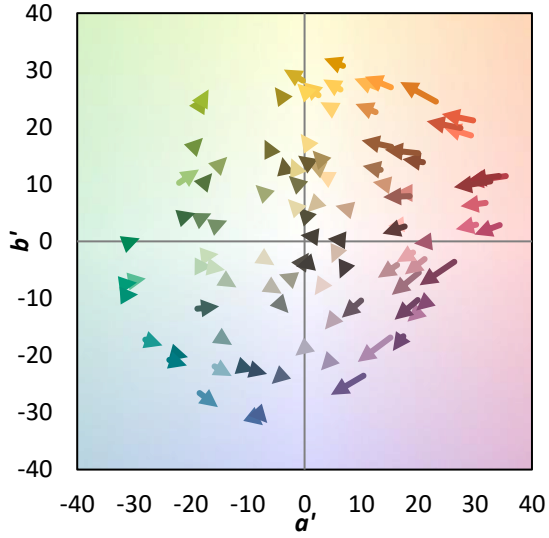


Color Vector Graphics







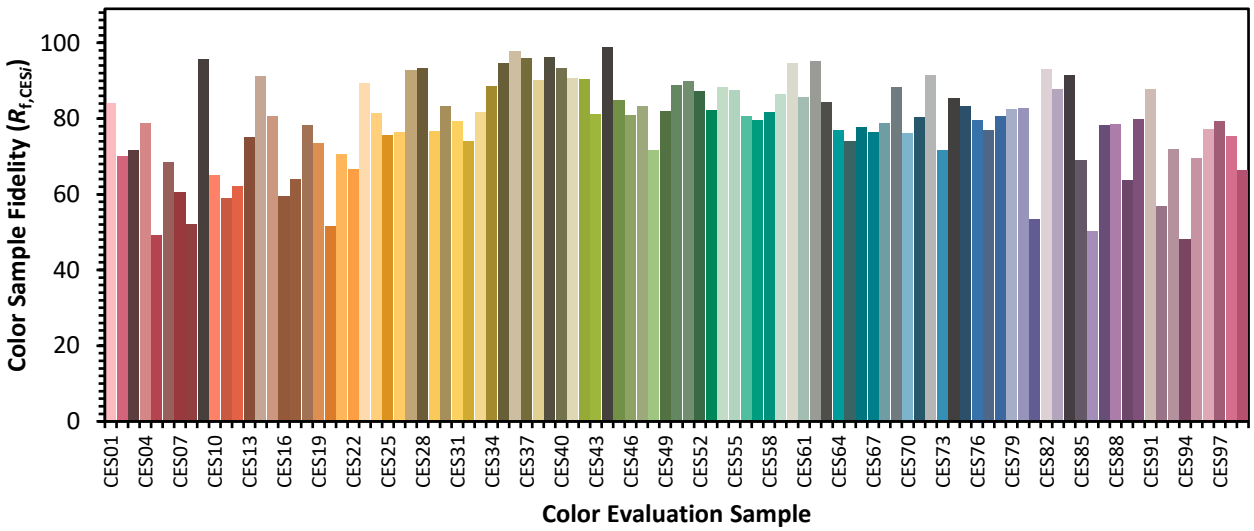


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

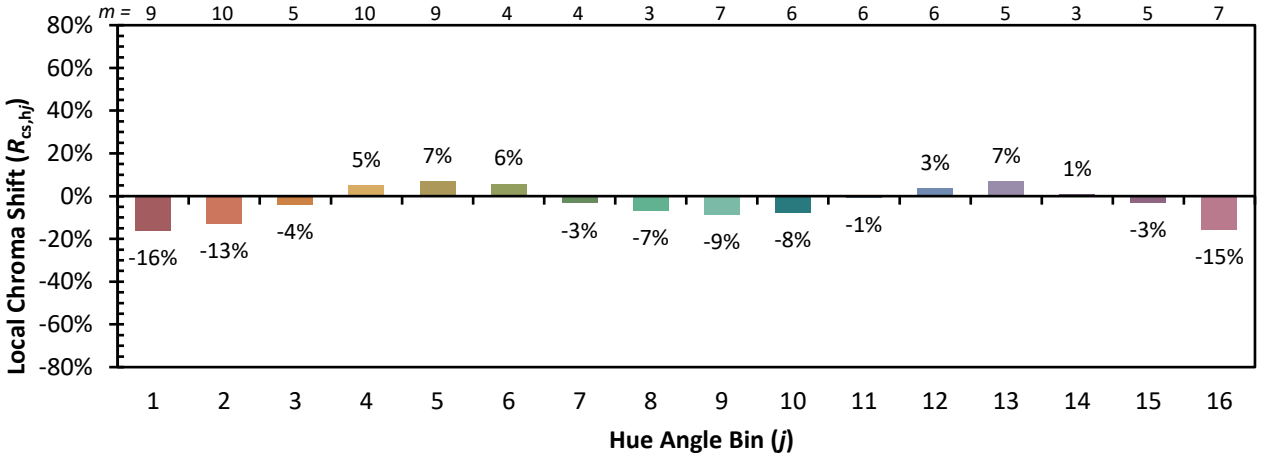
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 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	

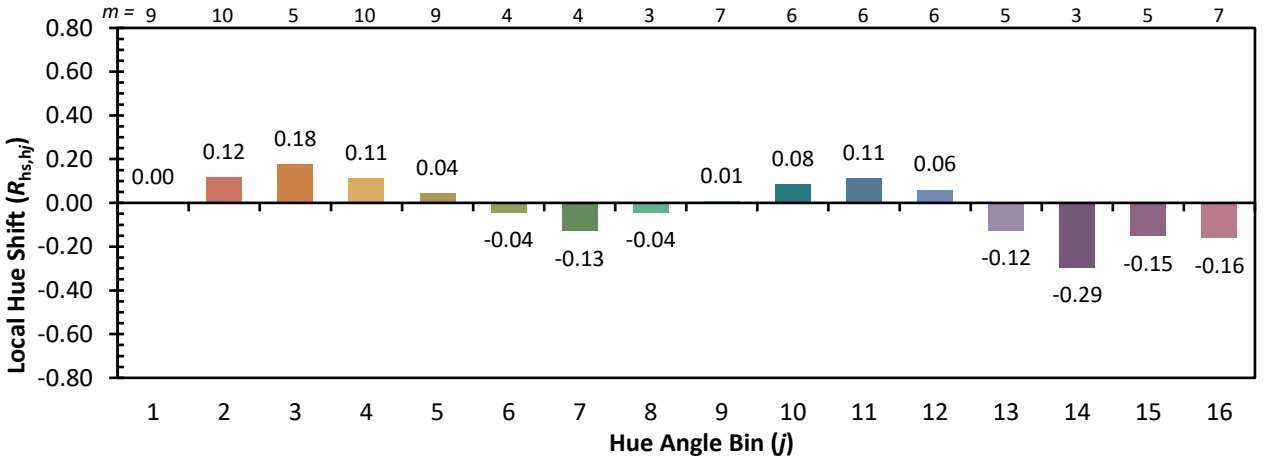


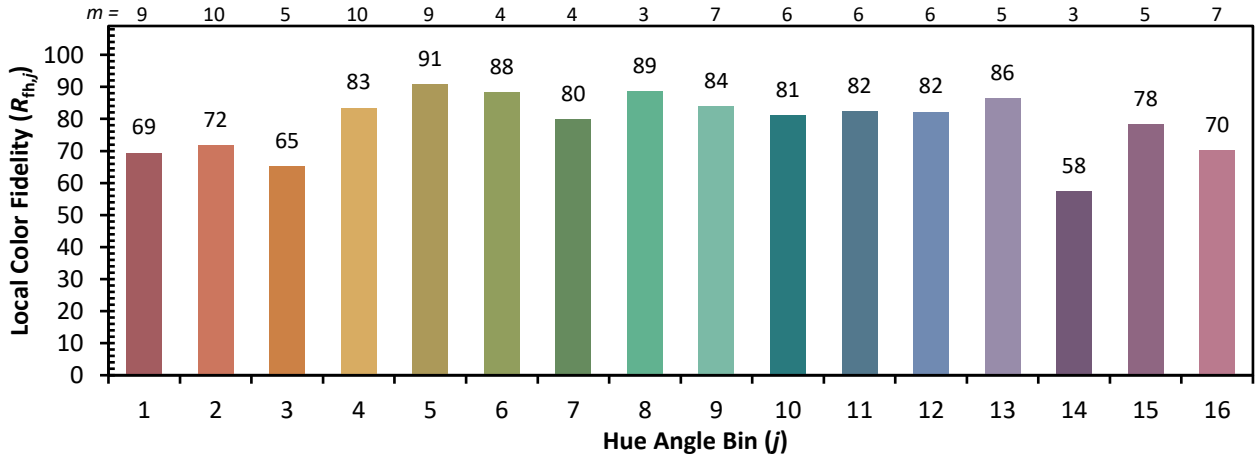
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Color Rendition by Hue-Angle Bin



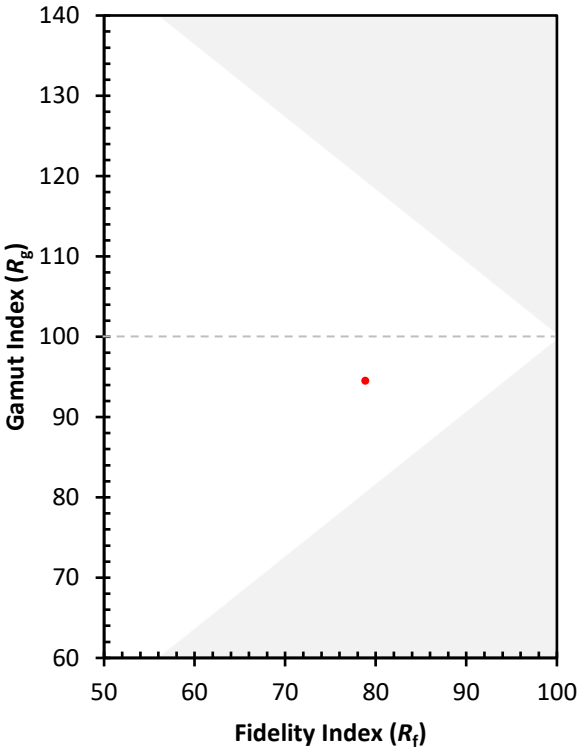


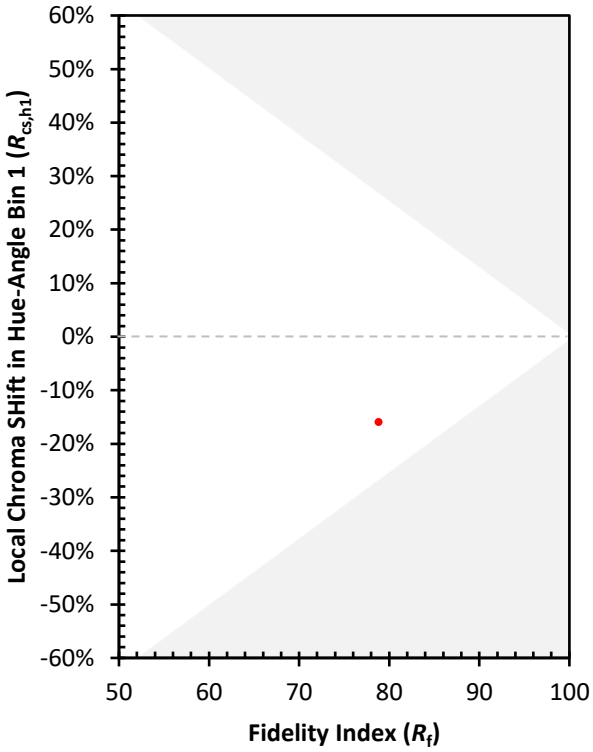


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Measure Comparisons





(END OF REPORT)