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: P1224028

Luminaire Tested: **FFX-CLB-40-727-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224028
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-727-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5258.3 lumens
Efficiency:	N/A
Efficacy:	133.5 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):	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

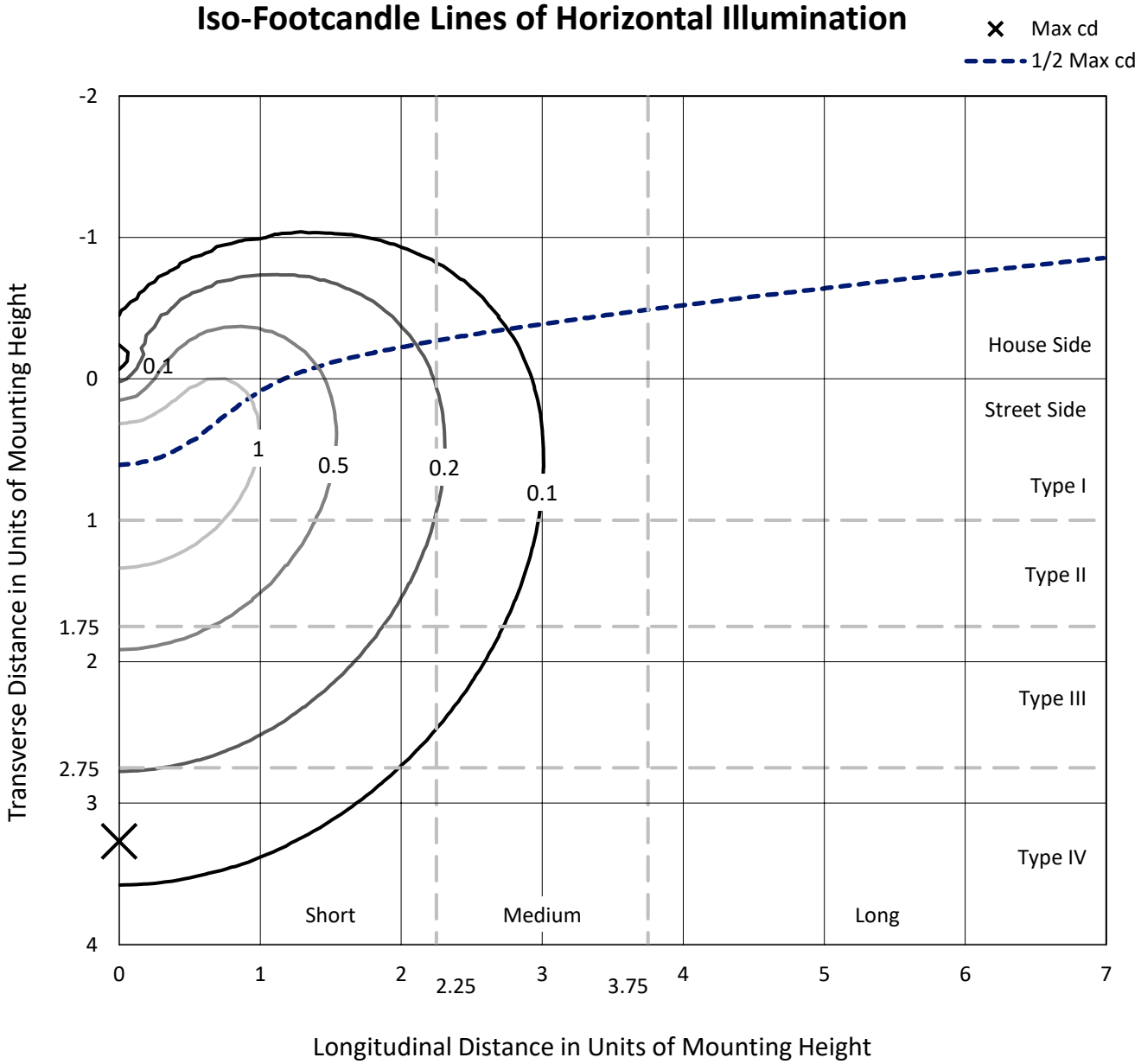


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Iso-Footcandle Lines of Horizontal Illumination



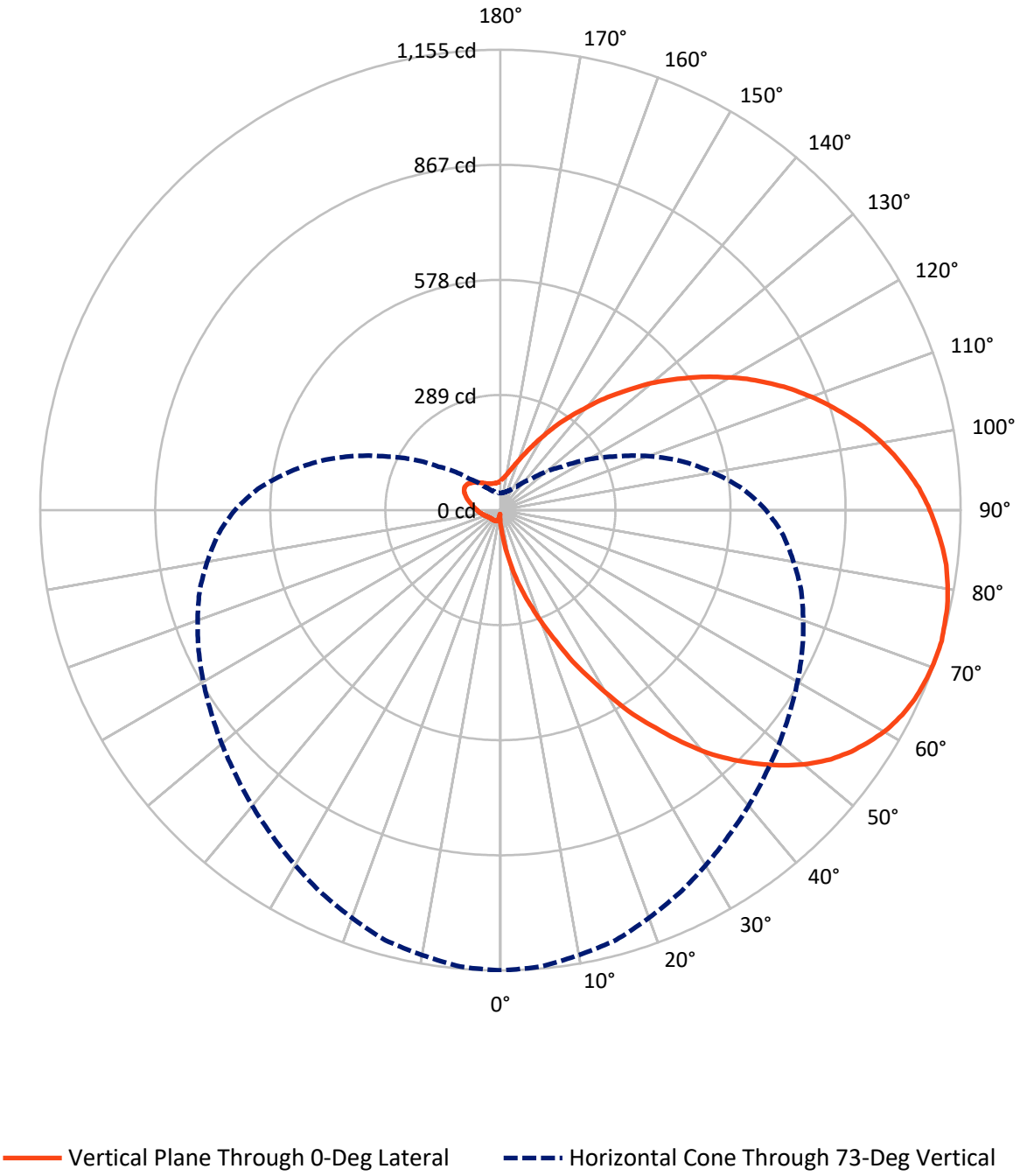
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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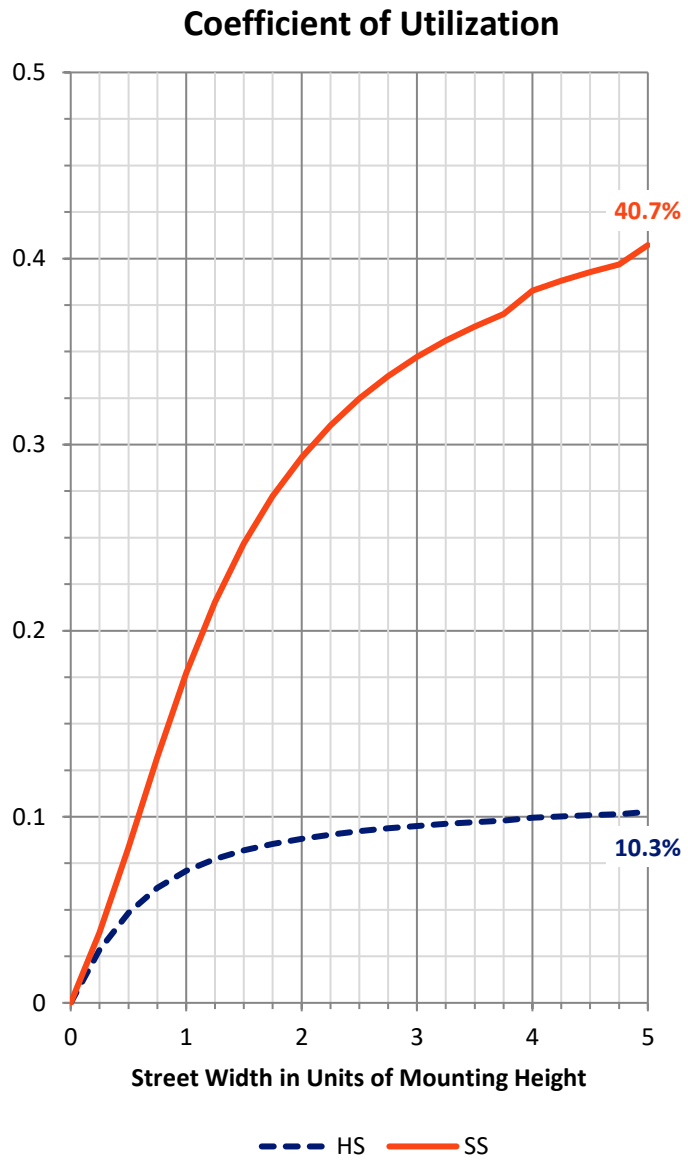
REPORT NUMBER: P1224028
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.4	572.3	1154.7
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	2455.6	1647.9	4103.5
	% Fixture	46.7	31.3	78.0
Total	Lumens	3038.0	2220.2	5258.3
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	37.3	0.7
20°-30°	112.6	2.1
30°-40°	234.5	4.5
40°-50°	371.6	7.1
50°-60°	488.2	9.3
60°-70°	568.8	10.8
70°-80°	609.6	11.6
80°-90°	610.1	11.6
90°-100°	572.1	10.9
100°-110°	503.3	9.6
110°-120°	415.6	7.9
120°-130°	312.8	5.9
130°-140°	206.4	3.9
140°-150°	118.4	2.3
150°-160°	58.7	1.1
160°-170°	25.6	0.5
170°-180°	7.2	0.1
0°-90°	3038.0	57.8
0°-180°	5258.3	100.0



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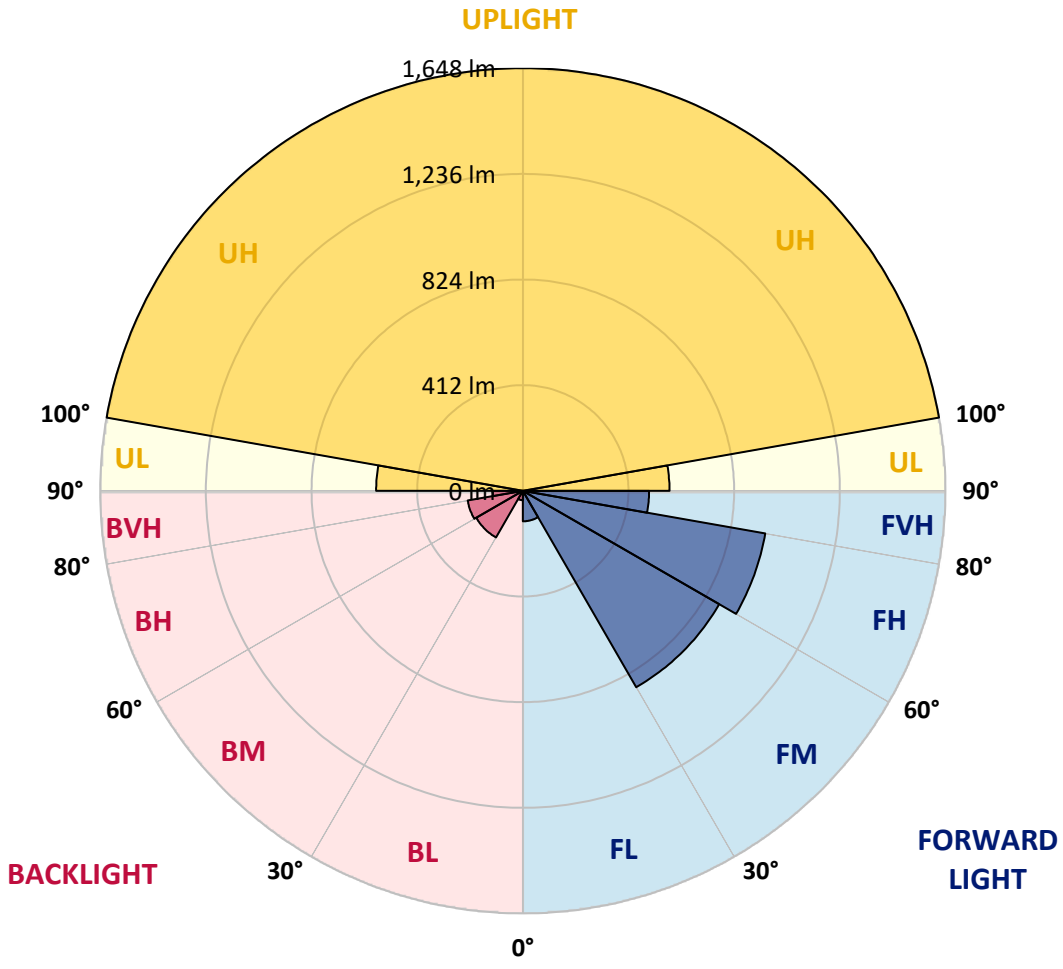
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	118.9	2.3			
FM	(30°-60°)	884.4	16.8			
FH	(60°-80°)	960.0	18.3			G1/1800
FVH	(80°-90°)	492.3	9.4			G3/500
BL	(0°-30°)	36.3	0.7	B0/110		
BM	(30°-60°)	209.9	4.0	B0/220		
BH	(60°-80°)	218.5	4.2	B1/500		G1/500
BVH	(80°-90°)	117.8	2.2			G2/225
UL	(90°-100°)	572.1	10.9		U4/1000	
UH	(100°-180°)	1648.1	31.3		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
2.5°	47.4	47.8	47.4	48.2	46.4	46.4	44.9	43.5	41.7	39.5	38.1
5°	70.4	70.1	70.1	70.4	69.4	66.1	62.5	57.5	53.2	48.5	46.0
7.5°	101.3	99.9	98.5	98.1	94.5	89.8	84.8	79.1	73.0	66.5	61.8
10°	133.7	134.8	133.3	129.4	125.1	119.7	113.2	105.3	97.4	88.4	83.0
12.5°	175.4	172.5	168.9	165.0	160.6	155.6	145.2	136.2	125.1	113.9	106.7
15°	216.0	213.5	213.5	208.4	201.6	194.1	184.4	173.2	157.8	140.2	133.7
17.5°	257.7	258.0	254.4	248.7	242.6	232.9	222.5	206.6	190.8	172.5	161.4
20°	306.6	305.1	302.6	298.3	287.5	278.9	265.9	248.3	226.8	204.5	190.8
22.5°	357.2	357.9	357.9	351.1	341.1	329.2	314.5	294.3	268.8	240.1	223.5
25°	420.5	420.1	413.3	405.4	397.5	385.3	366.6	342.1	314.1	279.6	260.2
27.5°	478.0	477.6	476.2	469.0	457.1	441.3	419.4	392.8	360.8	319.5	296.5
30°	542.0	543.4	539.4	533.3	517.9	501.7	476.2	444.9	407.2	362.6	336.7
32.5°	611.3	608.4	605.2	597.3	580.4	557.8	529.0	496.7	455.3	404.3	375.9
35°	671.3	676.7	671.7	659.5	638.6	614.5	582.9	546.6	501.7	447.1	414.7
37.5°	738.9	737.8	730.3	718.4	698.3	667.7	634.3	592.3	542.0	485.2	449.2
40°	801.8	797.5	793.2	775.6	750.0	719.5	678.2	635.4	583.6	519.7	483.4
42.5°	857.5	857.1	845.6	828.0	796.0	762.3	719.5	671.7	617.8	551.7	510.7
45°	908.9	907.8	896.7	870.4	840.2	799.6	755.1	705.5	648.7	579.0	539.8
47.5°	957.4	954.5	939.1	912.5	874.4	831.6	785.6	733.5	674.9	603.4	562.4
50°	1001.6	999.1	981.1	947.3	906.7	861.1	810.8	756.9	699.7	627.8	583.6
52.5°	1039.3	1035.0	1014.2	977.9	931.5	883.4	830.9	777.0	719.1	645.1	602.3
55°	1069.5	1064.9	1042.6	1002.0	953.4	901.3	848.1	794.6	734.2	660.5	616.7
57.5°	1094.7	1091.1	1066.7	1022.1	970.3	916.8	862.9	808.3	748.2	674.9	629.3
60°	1116.6	1112.3	1084.6	1038.6	984.0	928.6	873.7	819.0	760.1	686.1	640.8
62.5°	1132.1	1128.8	1099.7	1050.5	993.7	937.6	880.9	828.0	769.1	696.1	649.4
65°	1143.2	1139.2	1109.8	1057.7	999.8	941.9	886.2	832.0	774.8	702.2	655.9
67.5°	1149.7	1146.8	1115.9	1062.7	1002.3	944.1	888.8	835.9	779.5	707.3	660.9
70°	1154.0	1149.7	1118.4	1063.8	1001.6	943.7	888.8	836.3	782.0	710.9	663.8
72.5°	1155.1	1150.4	1118.0	1062.0	999.4	940.1	887.0	836.6	782.7	712.7	666.7
73°	1155.4	1150.4	1117.7	1061.3	998.4	939.8	886.6	835.9	782.0	712.3	666.7
75°	1151.5	1148.2	1114.8	1056.9	994.8	936.2	884.1	834.1	782.0	712.7	666.3
77.5°	1147.5	1142.5	1107.6	1050.8	986.5	929.7	878.7	830.5	779.5	711.9	665.9
80°	1138.2	1133.1	1098.3	1039.3	976.1	920.4	871.1	824.8	774.8	708.0	663.1
82.5°	1127.4	1121.6	1085.3	1026.0	963.5	908.5	861.4	817.2	768.7	703.3	658.8
85°	1111.6	1107.3	1070.2	1009.9	949.1	896.3	850.3	808.3	760.8	696.1	652.3
87.5°	1093.2	1089.7	1051.2	991.5	930.8	880.5	837.4	796.4	751.8	688.2	645.1
90°	1074.2	1069.9	1031.4	970.7	912.8	863.2	822.3	783.8	740.7	678.5	635.8
92.5°	1052.3	1047.2	1008.4	949.5	893.1	845.6	807.5	769.8	728.1	667.4	626.0
95°	1025.7	1021.0	982.6	923.6	868.3	825.1	788.1	753.3	713.4	654.1	614.2
97.5°	997.3	993.0	954.2	897.7	844.2	801.8	767.3	735.7	697.6	641.1	600.9
100°	966.7	961.0	922.5	868.3	815.4	777.0	746.1	717.7	680.3	625.0	586.5
102.5°	934.4	929.0	892.4	839.2	789.6	752.2	724.2	696.5	662.3	610.2	572.5
105°	897.7	894.9	857.8	806.5	760.1	725.6	699.4	675.3	642.9	592.3	557.8
107.5°	861.4	855.7	821.2	772.0	728.5	697.2	674.6	652.3	622.8	574.3	541.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*823.0*	817.2	786.3	739.3	699.0	669.2	648.3	628.6	602.0	556.7	525.8
112.5°	*784.2*	777.7	747.2	704.0	664.9	640.4	621.4	604.8	580.8	539.1	508.5
115°	*742.1*	739.6	709.8	668.5	634.0	611.0	594.4	579.3	556.7	520.0	492.0
117.5°	*700.8*	696.1	670.3	632.2	600.2	578.6	566.0	552.7	532.2	497.7	473.3
120°	*656.2*	655.2	630.4	594.8	565.0	548.1	535.8	524.7	506.7	475.5	452.5
122.5°	*614.2*	612.0	588.3	556.3	531.5	515.7	506.0	496.3	480.9	451.7	430.2
125°	*569.6*	567.1	548.4	522.2	498.5	483.4	474.0	466.5	452.5	426.2	406.1
127.5°	*528.3*	525.8	508.9	483.7	465.0	451.4	442.8	435.9	421.9	399.3	381.7
130°	*487.3*	483.0	468.3	448.2	429.5	420.1	411.5	406.5	392.1	370.9	355.4
132.5°	*443.5*	441.3	430.9	412.2	397.1	387.4	379.9	373.4	362.3	342.9	328.8
135°	*404.7*	402.5	392.8	377.0	366.6	357.6	350.8	343.9	332.4	313.7	301.9
137.5°	*367.6*	365.9	357.2	346.4	333.1	327.8	323.1	314.8	304.8	287.9	277.1
140°	*328.8*	329.6	322.7	313.0	304.8	298.3	293.6	286.8	276.7	262.4	251.6
142.5°	*296.9*	297.9	289.7	282.8	275.3	270.3	265.6	259.8	250.1	237.2	228.9
145°	*266.7*	264.1	260.9	254.4	247.3	244.0	239.3	234.3	226.8	213.8	207.0
147.5°	*236.1*	235.4	232.2	227.8	222.1	217.1	213.5	210.6	203.1	192.3	186.2
150°	*208.4*	207.7	205.9	202.7	197.7	194.4	191.6	187.6	180.4	172.1	166.8
152.5°	*184.0*	184.0	182.9	178.6	176.5	172.9	169.3	167.1	159.9	153.1	148.4
155°	*162.8*	162.8	161.4	159.2	155.3	153.1	150.9	147.7	142.7	137.3	133.0
157.5°	*144.5*	144.8	143.0	141.2	138.4	136.6	134.4	131.2	127.9	122.9	119.7
160°	*128.3*	128.7	127.9	126.5	123.6	121.8	120.0	117.5	114.6	110.7	107.8
162.5°	*115.4*	115.0	114.3	112.8	111.0	110.0	107.8	106.0	103.5	100.6	98.1
165°	*105.3*	104.2	103.9	102.8	101.0	99.9	98.1	96.7	94.9	92.0	90.9
167.5°	*96.3*	96.3	95.6	94.9	93.4	92.0	90.6	89.5	88.0	86.3	84.8
170°	*89.1*	89.1	88.4	87.7	86.3	85.5	84.5	83.4	82.3	80.9	80.1
172.5°	*83.4*	83.4	83.0	81.9	81.2	80.1	79.8	78.7	77.6	76.9	76.2
175°	*79.1*	79.1	78.3	77.6	76.9	76.2	75.5	75.1	74.8	74.0	73.7
177.5°	*75.8*	75.5	75.1	74.4	73.7	73.3	73.0	72.6	72.6	72.2	71.9
180°	*71.5*	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
2.5°	36.7	33.4	29.8	26.6	24.8	22.3	20.8	20.1	20.8	19.8
5°	43.5	37.7	32.0	27.7	23.0	19.4	16.2	12.9	10.8	10.4
7.5°	57.9	51.4	43.5	36.3	29.8	24.1	19.0	15.1	12.2	11.9
10°	76.5	66.8	56.8	46.7	37.4	29.8	23.7	19.4	18.0	17.6
12.5°	99.9	85.9	71.9	58.6	47.1	37.0	30.2	25.5	23.4	23.0
15°	124.3	106.7	88.8	71.5	56.1	43.8	35.2	30.2	27.7	27.3
17.5°	150.6	127.6	103.1	83.0	64.7	50.0	39.2	32.3	29.5	28.8
20°	177.2	148.4	120.4	94.2	71.9	53.9	41.3	33.4	29.8	29.1
22.5°	207.0	172.5	137.6	104.9	78.3	57.9	43.1	34.1	30.2	29.5
25°	240.8	196.9	155.6	117.5	85.5	61.5	44.9	35.2	30.5	29.8
27.5°	275.3	224.3	173.9	128.7	91.6	64.0	46.4	35.6	30.9	30.2
30°	310.1	251.6	192.6	139.4	97.0	66.8	47.1	35.9	30.9	30.5
32.5°	346.4	277.1	210.6	149.5	101.7	68.6	47.8	36.3	31.3	30.5
35°	379.2	304.0	227.5	159.2	106.0	70.1	48.2	36.3	31.3	30.5
37.5°	410.4	327.0	242.9	167.1	109.3	71.2	48.5	36.3	31.3	30.5
40°	443.1	351.5	257.0	174.3	111.8	71.9	48.5	36.3	31.3	30.9
42.5°	469.7	372.0	268.8	179.3	113.6	71.9	48.5	36.3	31.6	30.9
45°	493.8	388.9	280.3	184.0	114.6	71.9	48.2	36.7	31.6	31.3
47.5°	514.6	405.7	288.9	187.2	115.0	71.9	48.2	36.7	32.0	31.6
50°	534.0	419.4	296.5	189.8	115.4	71.5	48.2	37.0	32.3	31.6
52.5°	550.6	430.5	302.6	191.2	114.6	70.8	48.2	37.4	33.1	32.3
55°	564.6	441.0	306.9	191.9	113.9	70.4	48.2	37.7	33.4	33.1
57.5°	576.1	449.2	310.9	192.3	113.2	70.1	48.5	38.5	34.5	34.1
60°	586.5	456.1	313.7	192.3	112.5	69.7	48.9	39.2	35.2	34.9
62.5°	594.8	461.4	315.9	191.9	112.1	69.7	49.6	40.3	36.3	35.9
65°	600.5	465.4	317.0	191.2	111.4	70.1	50.3	41.3	37.7	37.4
67.5°	605.9	469.0	317.7	190.8	111.0	70.4	51.4	42.8	39.2	38.8
70°	609.2	471.2	318.1	190.5	110.7	71.2	52.5	44.2	41.0	40.6
72.5°	610.6	472.6	318.4	189.8	111.0	71.9	53.9	45.6	42.8	42.4
73°	*611.0*	*472.6*	*318.1*	*189.8*	*111.0*	*72.2*	*54.3*	*46.4*	*43.1*	*42.8*
75°	611.7	472.6	317.7	189.4	111.4	73.0	55.3	47.8	44.6	44.6
77.5°	610.6	471.9	317.0	189.0	111.8	74.4	57.1	49.6	46.7	46.4
80°	608.4	470.1	315.9	189.0	112.5	75.8	59.3	51.8	48.9	48.5
82.5°	603.8	466.8	314.5	188.7	113.6	77.6	61.5	53.9	51.4	51.0
85°	599.1	462.9	312.3	188.7	115.0	79.8	63.6	56.4	53.9	53.5
87.5°	591.9	458.2	310.1	188.3	116.4	81.6	65.8	58.9	56.1	56.1
90°	583.6	453.2	308.0	188.7	117.9	84.1	68.6	61.8	58.9	58.6
92.5°	575.4	447.4	305.5	189.4	120.4	86.6	71.5	64.7	61.8	61.1
95°	564.2	439.5	302.6	189.8	122.5	89.5	74.4	67.6	64.7	64.7
97.5°	552.7	432.3	299.4	190.8	125.4	93.1	78.3	71.2	68.3	68.3
100°	540.5	424.8	297.2	191.9	128.3	97.0	81.9	74.8	71.9	71.9
102.5°	527.6	416.5	295.1	194.1	132.6	101.0	86.3	79.1	75.8	75.8
105°	514.3	408.6	292.9	196.6	136.9	106.0	90.9	83.7	80.5	80.5
107.5°	501.3	401.1	291.1	199.8	141.6	111.0	95.6	88.4	85.2	84.5

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

Scaled Data Report

REPORT NUMBER: P1224028
CATALOG NUMBER: FFX-CLB-40-727-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	487.7	393.2	289.7	203.1	147.0	116.8	101.3	93.1	89.5	89.5
112.5°	472.9	384.9	288.6	206.3	152.7	122.5	106.4	98.1	94.5	93.8
115°	457.5	376.6	286.4	209.9	157.8	128.3	111.8	102.4	98.5	98.1
117.5°	442.4	366.9	283.9	212.4	162.4	133.0	116.1	106.7	102.4	102.1
120°	424.8	356.1	279.6	213.1	166.0	136.6	119.7	109.6	105.3	104.6
122.5°	405.4	342.1	273.5	212.4	167.8	139.1	121.8	111.8	106.7	106.4
125°	383.5	326.7	265.6	209.9	168.2	140.2	122.5	112.1	107.5	106.7
127.5°	360.5	311.2	255.2	204.8	166.0	139.4	121.8	111.4	106.4	106.0
130°	336.7	292.9	242.9	198.4	162.4	136.9	120.0	109.6	104.6	104.2
132.5°	313.0	273.5	229.6	189.8	157.4	133.0	116.8	106.7	102.1	101.3
135°	287.5	254.4	216.0	180.8	150.6	128.7	112.8	103.1	98.5	98.1
137.5°	264.1	234.7	202.0	170.7	144.1	122.9	108.5	99.5	95.6	94.9
140°	241.1	215.6	186.9	159.9	135.8	117.2	103.5	95.6	91.6	91.3
142.5°	219.9	198.0	173.6	149.5	128.3	111.4	99.2	91.6	88.4	87.7
145°	198.0	179.7	159.6	138.7	120.0	105.3	94.5	87.7	84.8	84.1
147.5°	179.0	162.8	145.6	127.9	112.5	99.2	89.8	84.1	81.6	81.2
150°	161.0	147.3	132.3	117.9	104.2	93.4	85.5	80.5	78.3	78.0
152.5°	144.8	133.0	120.8	108.5	97.0	88.4	81.6	77.3	75.5	75.5
155°	129.7	120.0	110.3	100.3	91.3	84.1	78.7	75.1	73.7	73.3
157.5°	116.8	109.3	101.3	93.1	86.3	80.1	75.8	73.3	71.9	71.9
160°	105.7	99.9	93.4	87.3	81.9	76.9	73.7	71.5	70.4	70.4
162.5°	96.7	92.0	87.0	82.3	77.6	74.4	71.9	70.4	69.7	69.7
165°	89.1	85.9	82.3	78.3	75.1	72.6	70.8	69.7	69.4	69.4
167.5°	83.7	80.9	78.0	75.5	73.3	71.2	70.1	69.4	69.4	69.0
170°	79.1	77.3	74.8	73.0	71.2	70.1	69.4	69.0	69.0	68.6
172.5°	75.5	74.0	72.6	71.2	70.1	69.4	69.0	69.0	69.0	69.0
175°	73.3	72.2	71.2	70.4	69.7	69.0	69.0	69.4	69.4	69.4
177.5°	71.5	71.2	70.4	70.1	69.7	69.7	69.7	70.1	70.4	70.4
180°	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

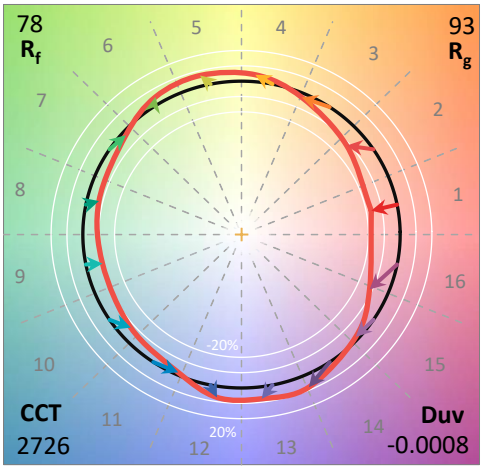
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

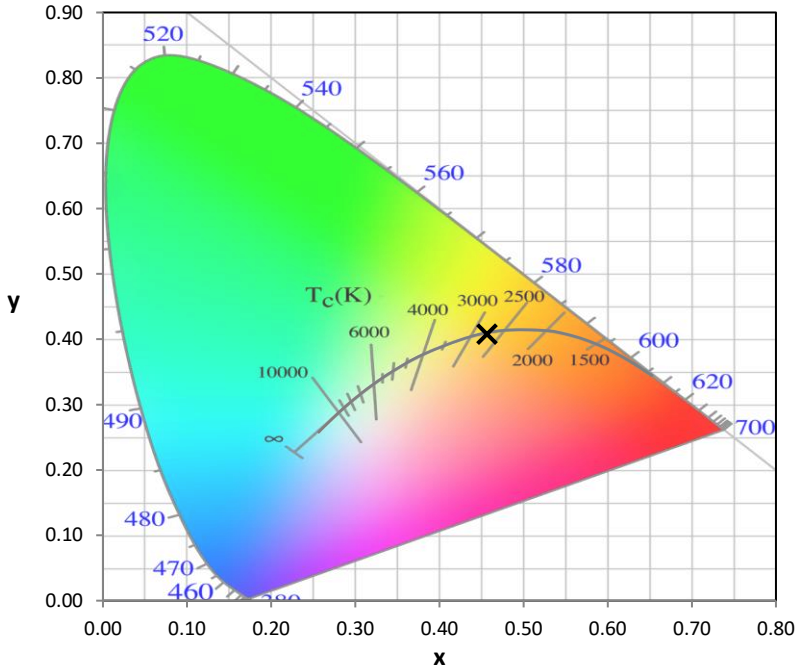
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

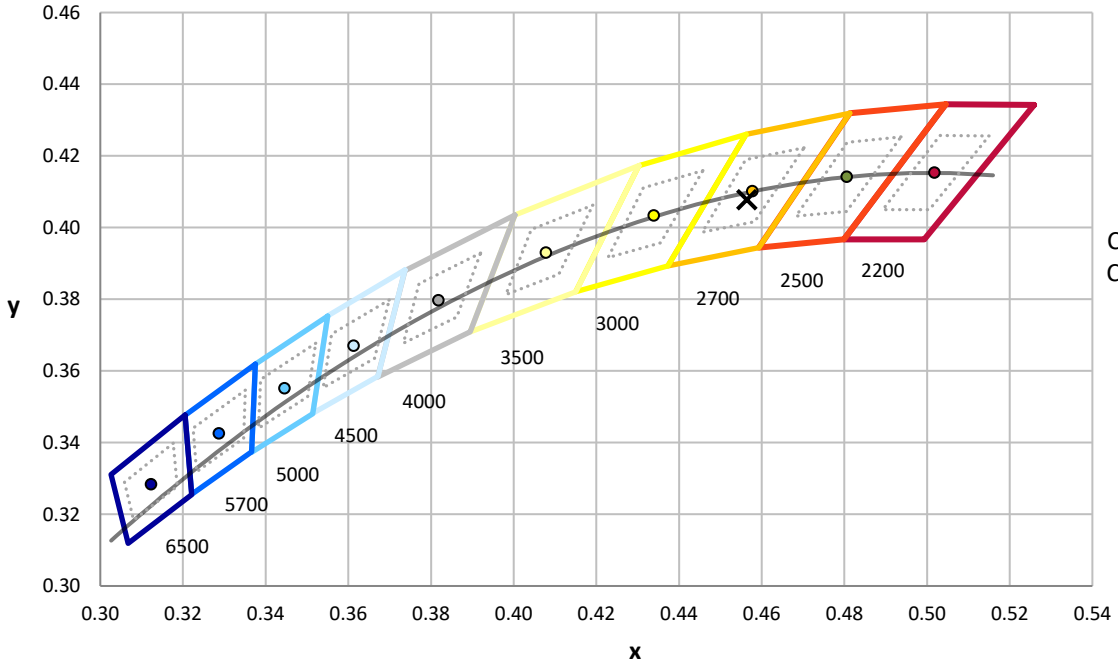
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

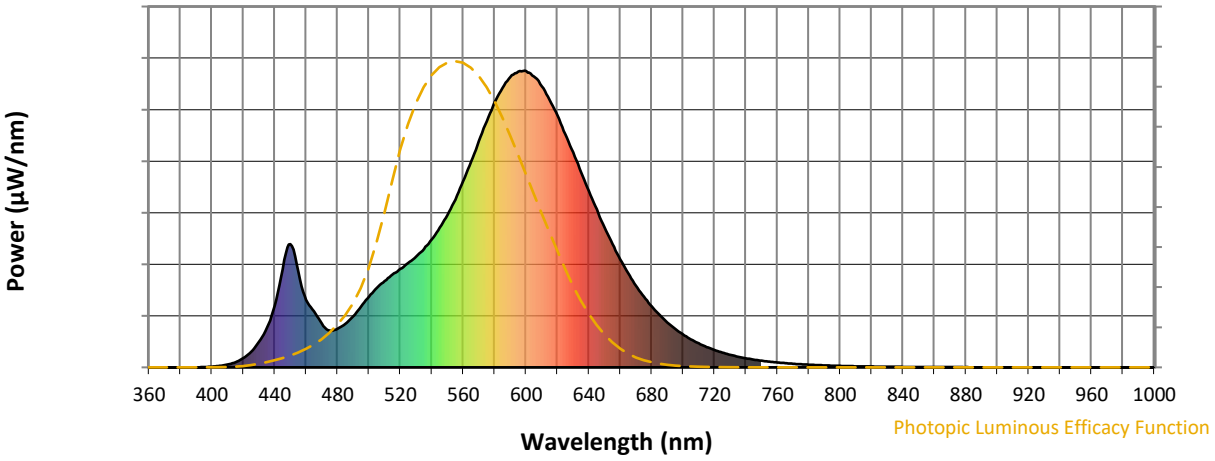


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

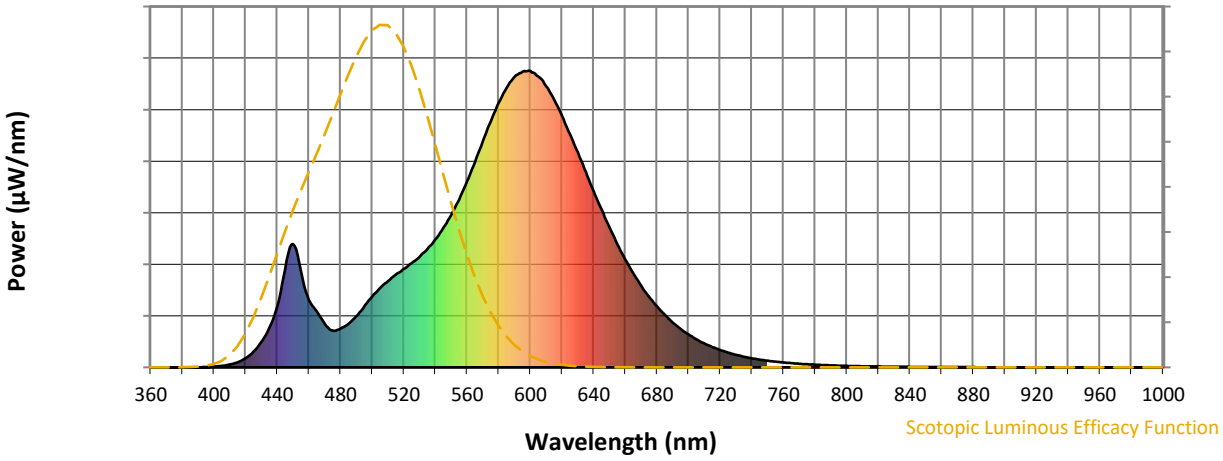


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

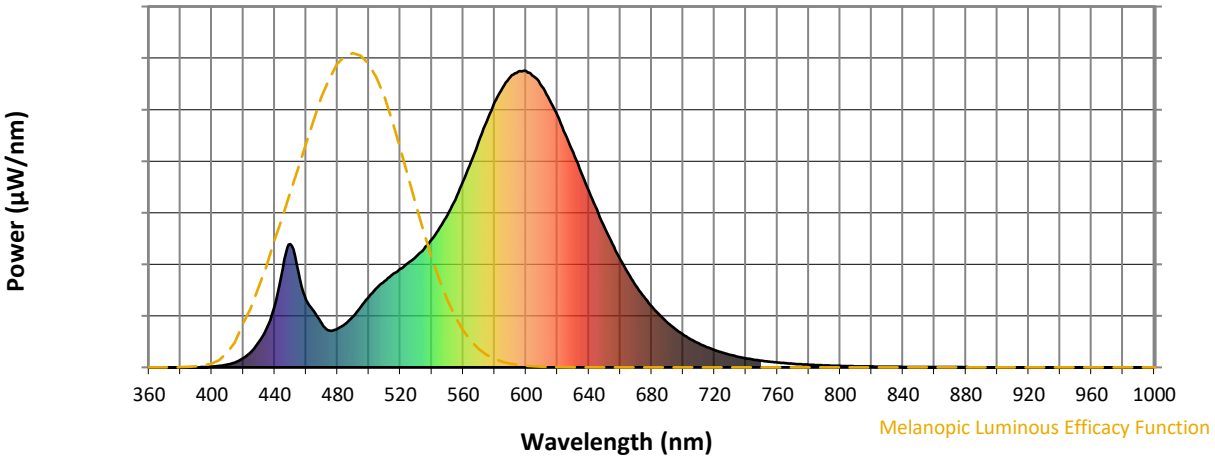


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

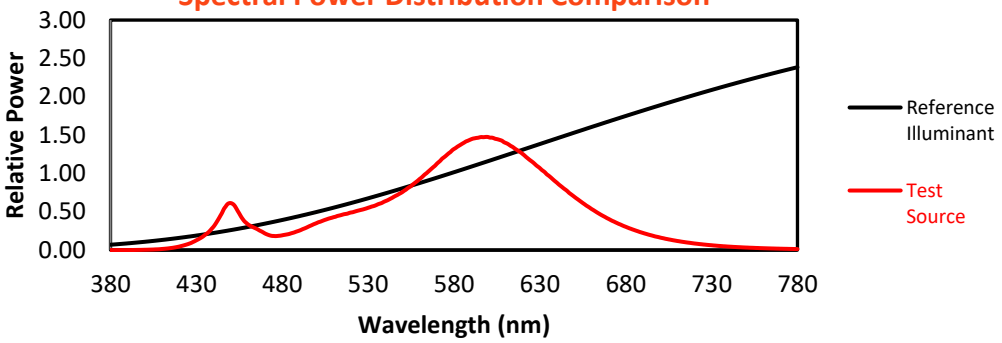
REPORT NUMBER: SP1-2501-332-3

TM-30-18

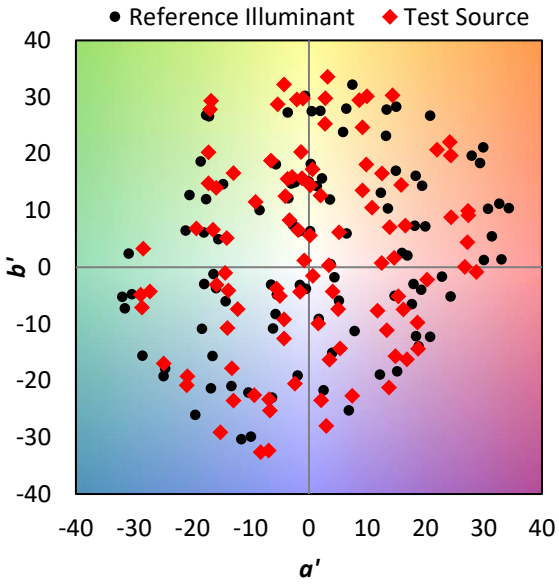
Summary

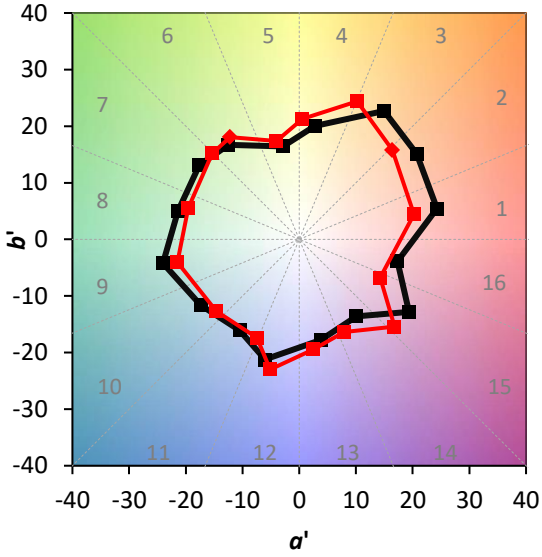
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

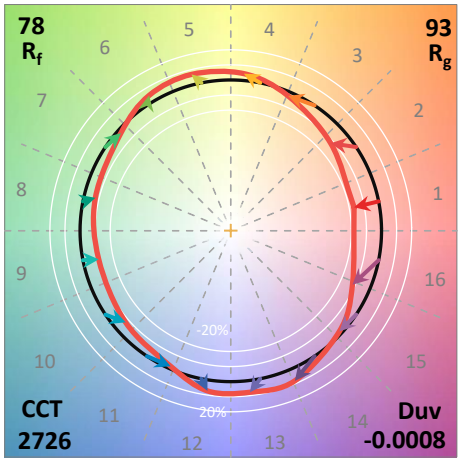
Spectral Power Distribution Comparison

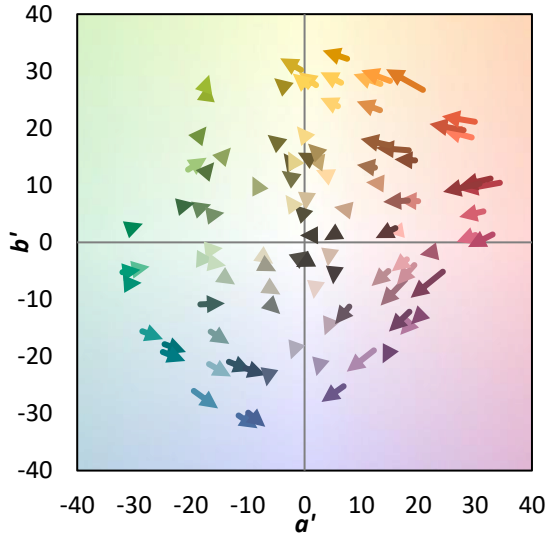


Color Vector Graphics







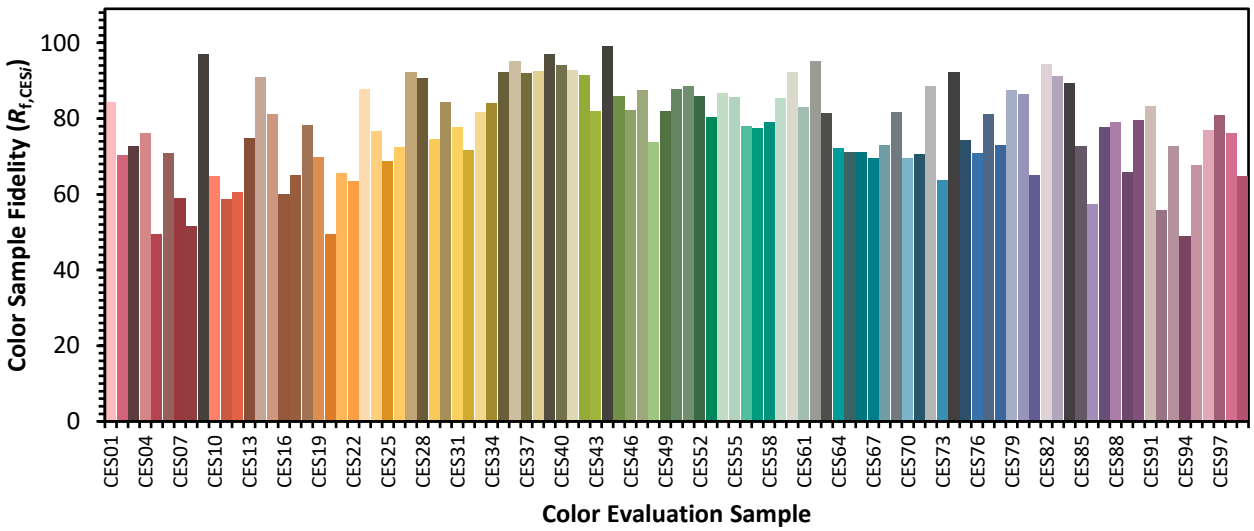


REPORT NUMBER: SP1-2501-332-3

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

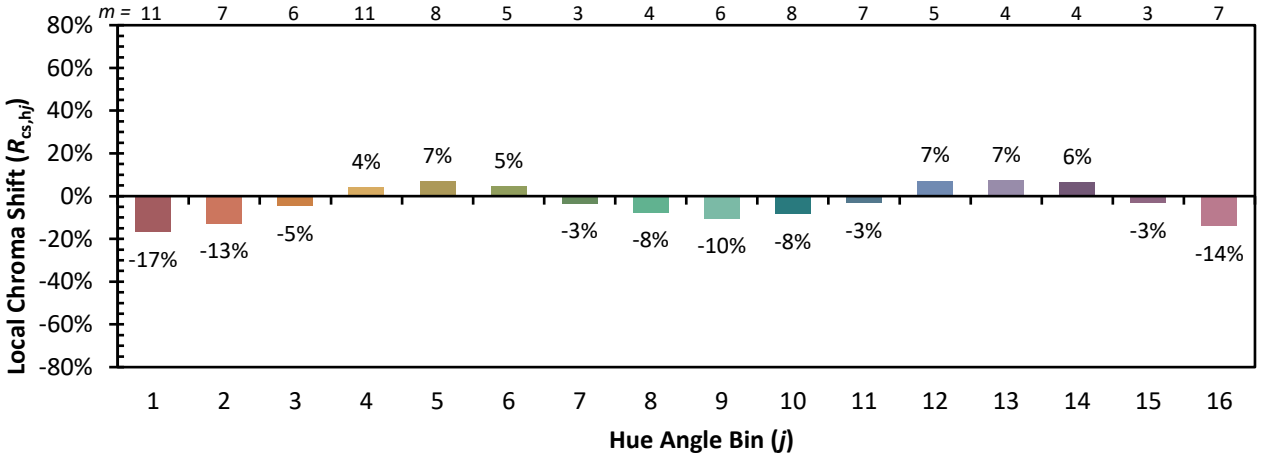
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

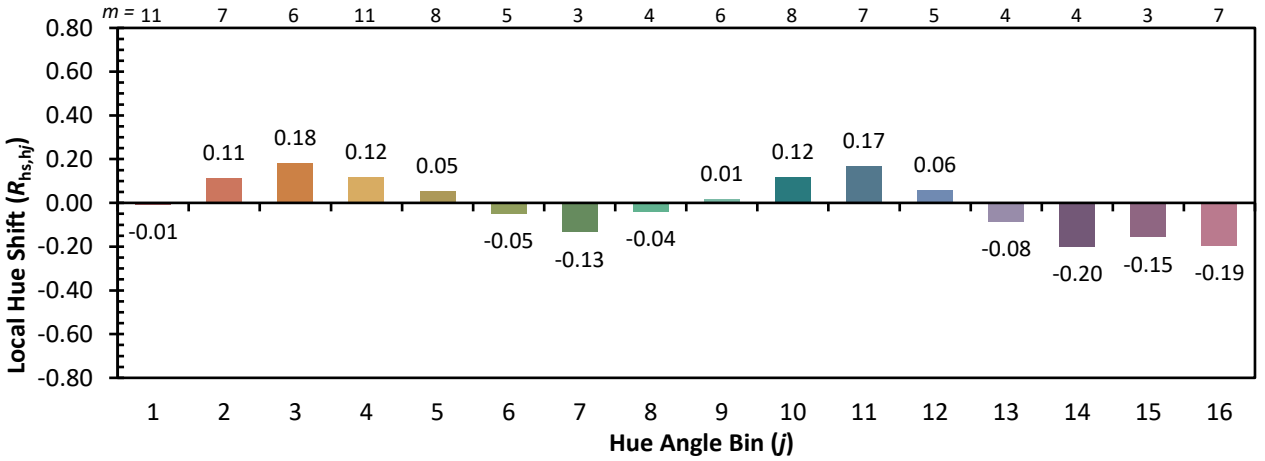


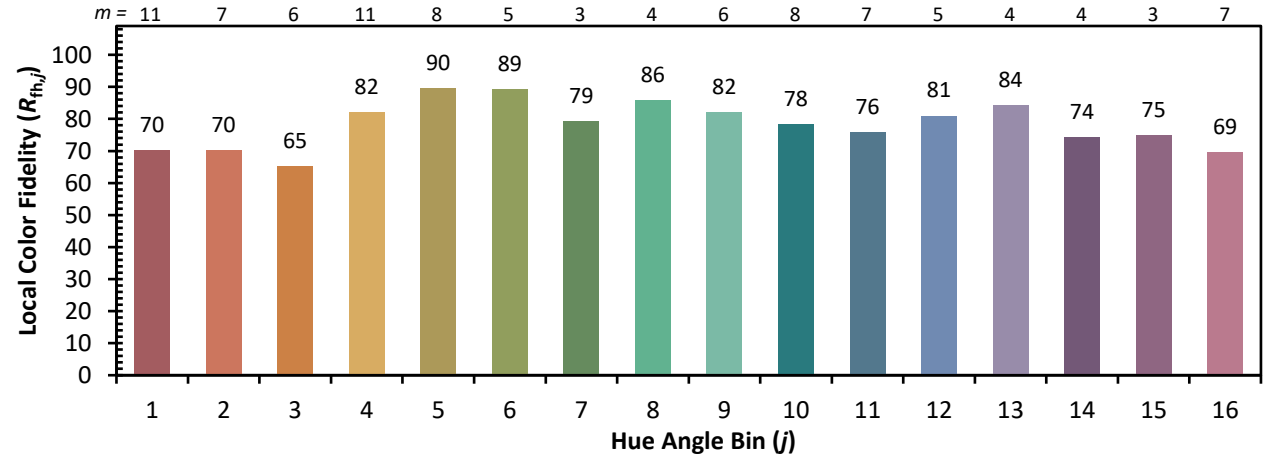
REPORT NUMBER: SP1-2501-332-3

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Color Rendition by Hue-Angle Bin



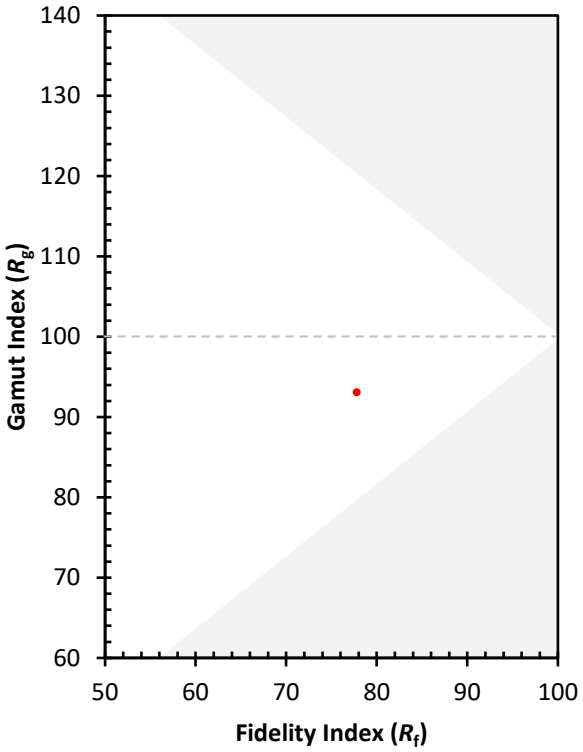


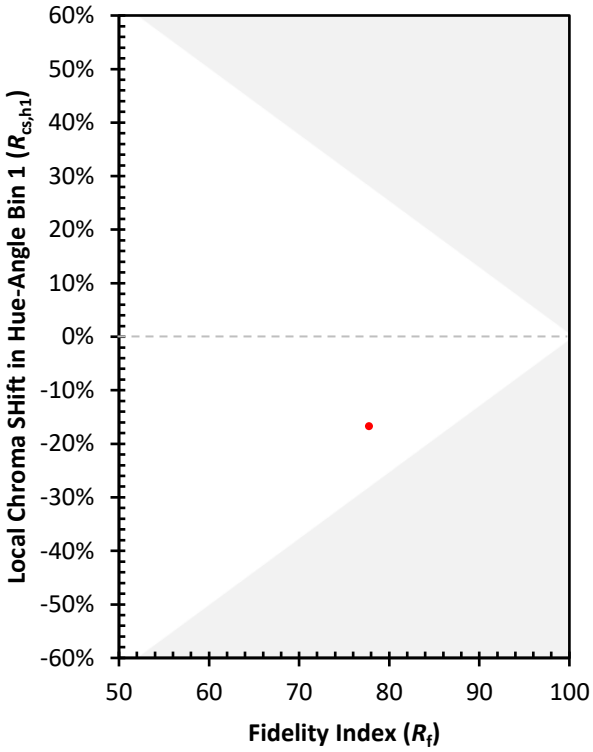


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Measure Comparisons





(END OF REPORT)