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: P1046601

Luminaire Tested: **FFX-CLB-50-727-U-FR-T3-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:	P1046601
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-727-U-FR-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6689 lumens
Efficiency:	N/A
Efficacy:	132.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U4 - G3

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

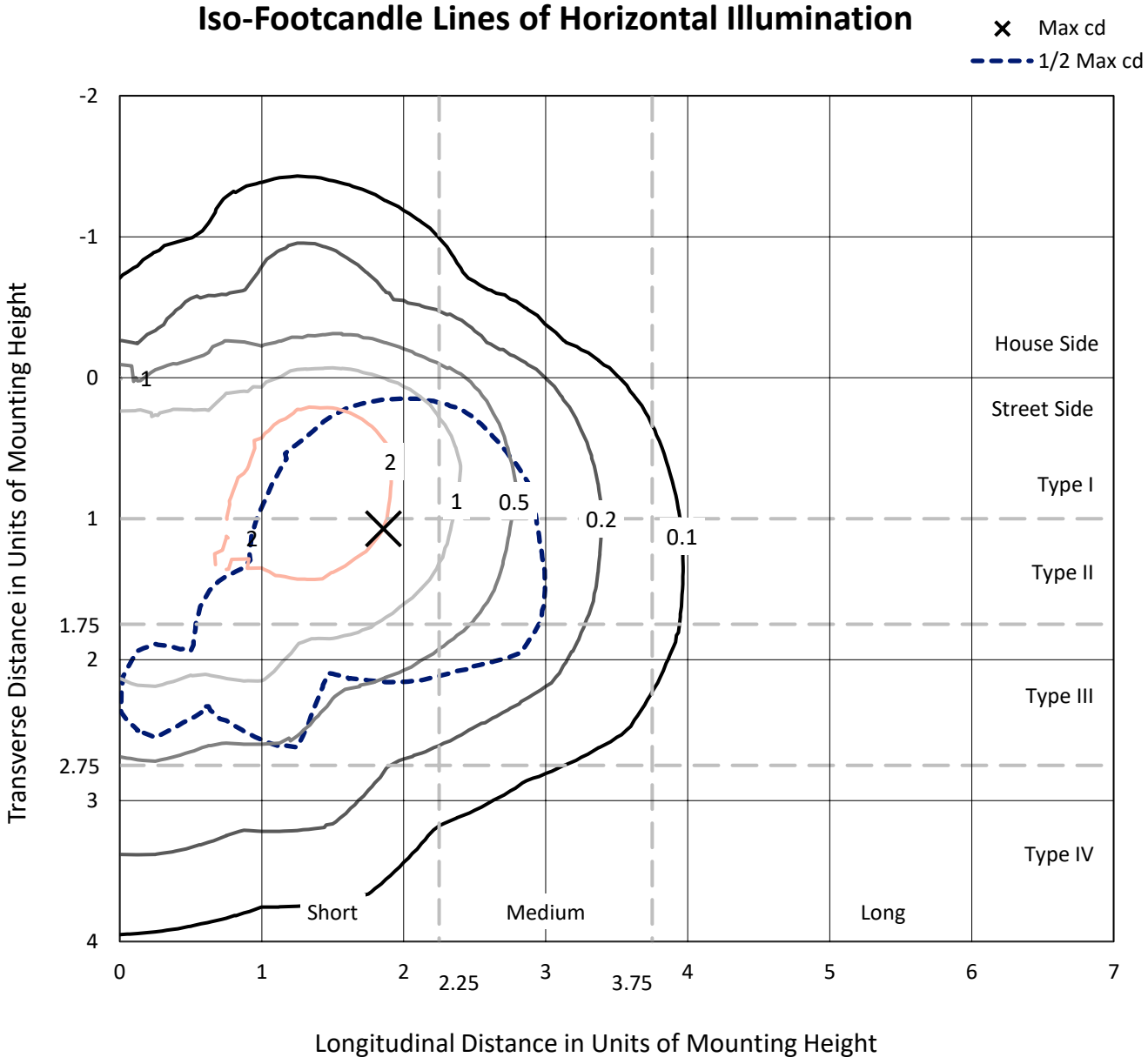


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Iso-Footcandle Lines of Horizontal Illumination



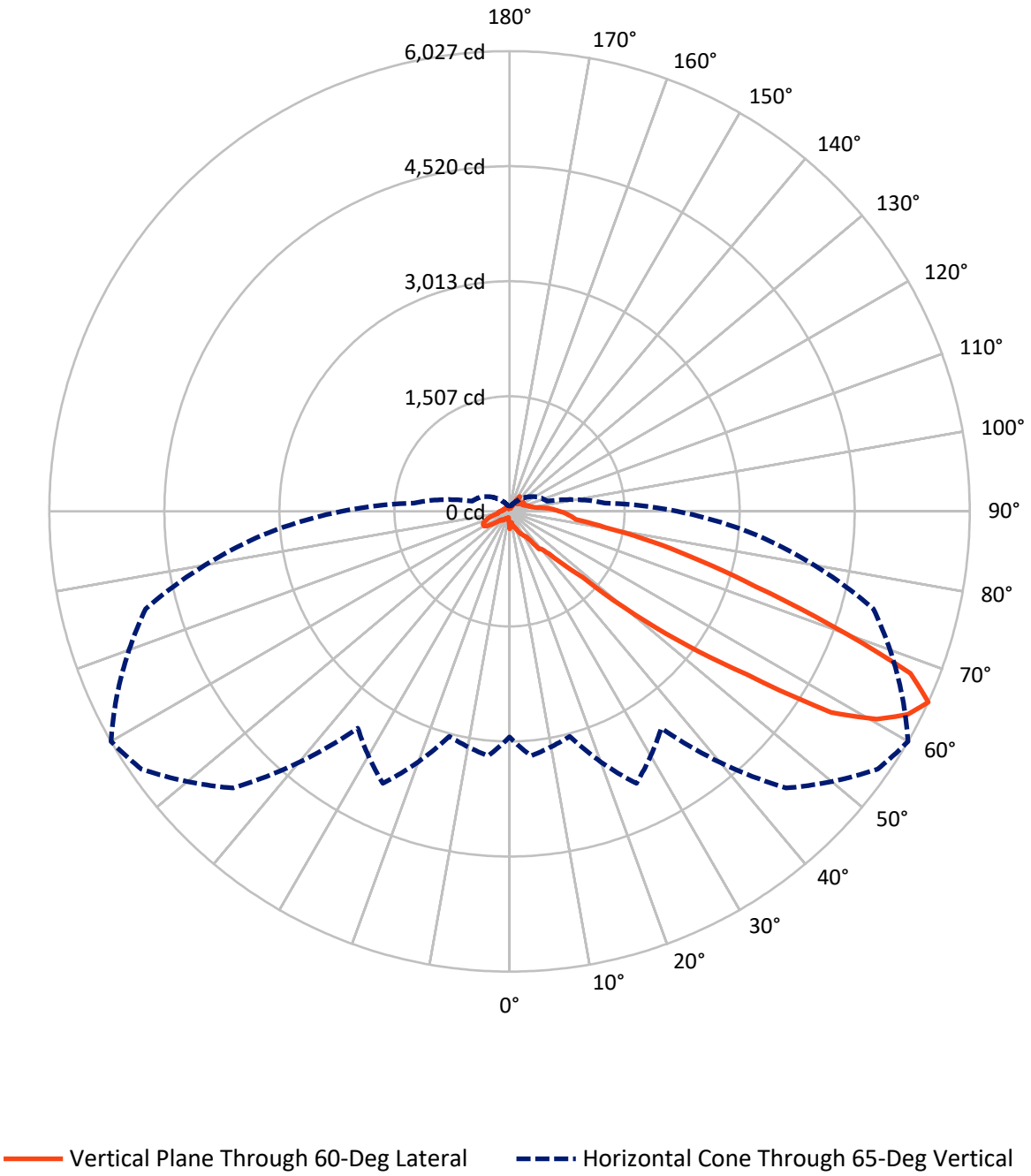
Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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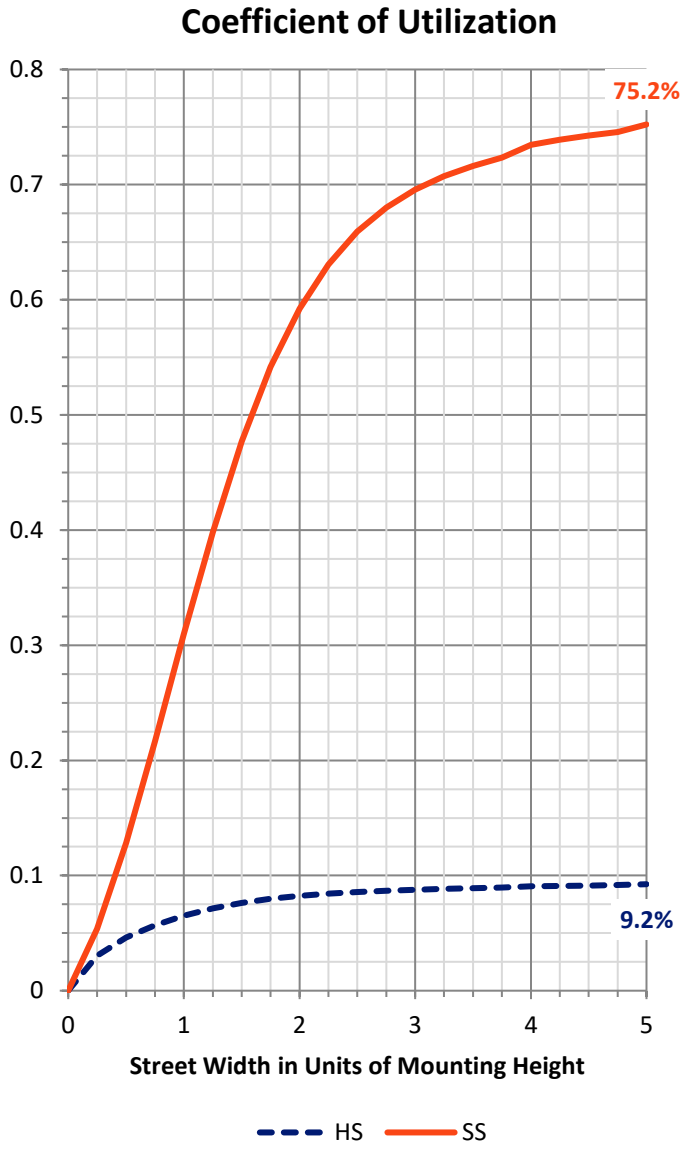
REPORT NUMBER: P1046601
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	648.6	209.3	857.9
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	5212.4	618.7	5831.1
	% Fixture	77.9	9.2	87.2
Total	Lumens	5861.0	828.0	6689.0
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.2
10°-20°	42.8	0.6
20°-30°	91.6	1.4
30°-40°	187.9	2.8
40°-50°	440.2	6.6
50°-60°	1376.9	20.6
60°-70°	2155.9	32.2
70°-80°	1140.5	17.1
80°-90°	413.0	6.2
90°-100°	249.0	3.7
100°-110°	156.0	2.3
110°-120°	126.1	1.9
120°-130°	105.2	1.6
130°-140°	76.6	1.1
140°-150°	70.4	1.1
150°-160°	29.3	0.4
160°-170°	11.7	0.2
170°-180°	3.8	0.1
0°-90°	5861.0	87.6
0°-180°	6689.0	100.0



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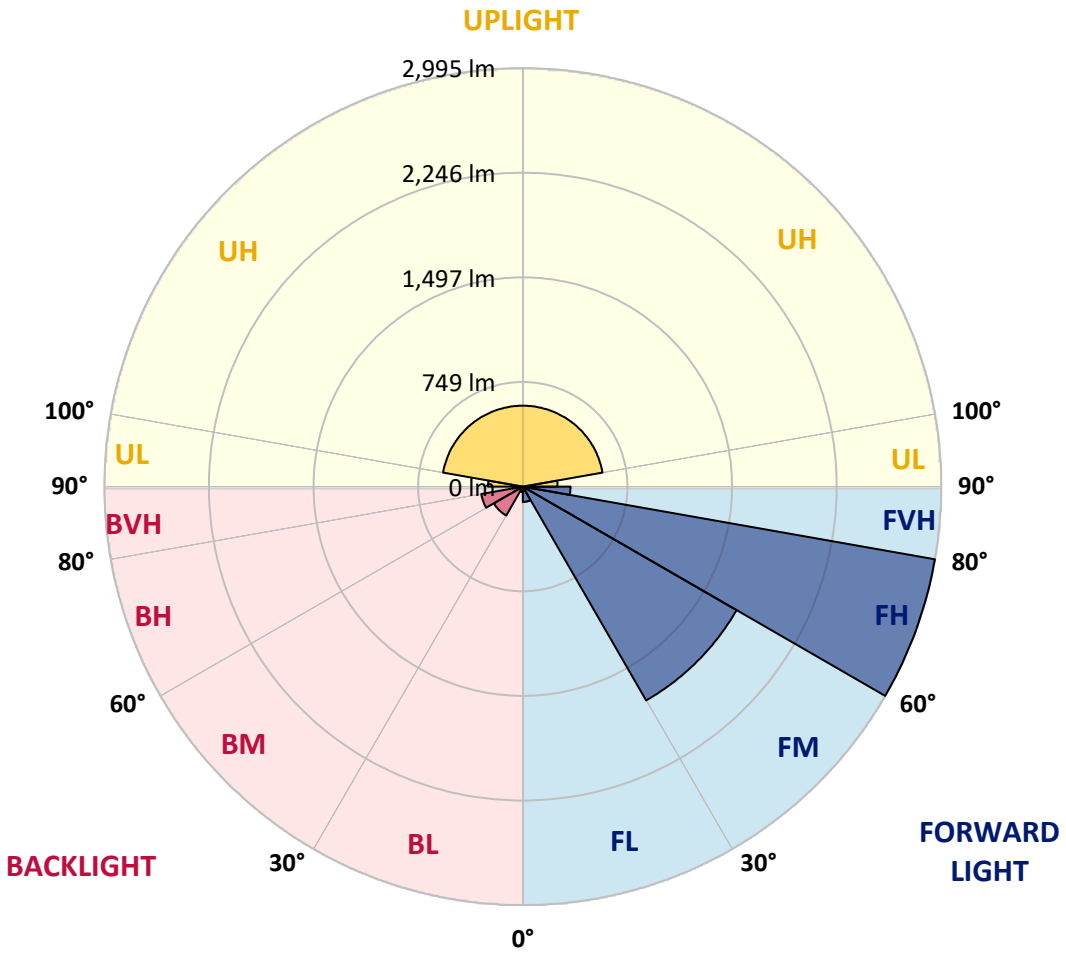
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	110.2	1.6			
FM	(30°-60°)	1766.4	26.4			
FH	(60°-80°)	2994.5	44.8			G2/5000
FVH	(80°-90°)	341.2	5.1			G3/500
BL	(0°-30°)	36.4	0.5	B0/110		
BM	(30°-60°)	238.5	3.6	B1/1000		
BH	(60°-80°)	301.9	4.5	B1/500		G1/500
BVH	(80°-90°)	71.7	1.1			G1/100
UL	(90°-100°)	249.0	3.7		U3/500	
UH	(100°-180°)	579.0	8.7		U4/1000	

BUG Rating: B1-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0
2.5°	125.2	130.1	158.5	187.9	196.2	178.1	154.1	157.0	170.2	233.4	261.2
5°	146.8	148.2	145.8	149.2	169.8	195.7	180.5	162.9	139.4	100.8	99.8
7.5°	168.8	168.8	167.8	155.6	141.4	137.0	150.2	152.6	150.2	125.2	108.1
10°	183.9	183.9	183.5	184.4	185.4	180.5	159.0	150.7	141.9	131.1	126.2
12.5°	223.1	224.1	230.4	227.0	214.3	201.1	203.5	201.1	187.9	164.9	145.8
15°	273.0	274.9	275.9	263.2	242.7	218.2	202.5	198.6	196.2	183.0	163.9
17.5°	298.9	297.9	286.2	273.0	259.8	242.2	227.5	221.6	212.8	196.2	175.6
20°	296.0	296.0	284.2	281.3	282.3	271.5	252.9	245.6	235.8	220.1	191.8
22.5°	304.3	304.8	297.4	299.9	310.7	299.9	281.8	276.9	267.6	245.1	216.2
25°	336.1	336.1	327.8	324.4	333.6	329.7	319.5	313.6	300.4	273.0	222.1
27.5°	365.0	363.0	355.2	356.2	347.3	345.4	342.9	340.5	328.8	285.2	225.0
30°	387.5	387.5	380.6	385.0	366.4	369.4	360.6	367.4	352.2	301.8	236.3
32.5°	408.0	410.9	408.5	414.4	392.4	405.1	389.9	397.2	388.0	331.7	268.1
35°	455.5	458.9	470.1	484.8	457.9	471.1	447.1	457.4	448.1	399.2	329.2
37.5°	643.8	638.4	614.0	590.0	564.1	618.4	612.5	622.3	607.6	528.8	415.8
40°	647.7	644.8	639.9	624.7	575.8	629.6	632.1	649.7	693.7	567.5	449.6
42.5°	664.4	667.8	726.0	733.3	696.7	780.3	757.3	758.3	909.0	672.2	580.2
45°	768.6	768.6	787.2	796.5	785.7	1025.9	1022.5	993.1	1182.9	838.5	682.5
47.5°	881.1	884.5	918.8	1010.7	1070.9	1298.4	1365.9	1295.5	1544.5	1100.3	940.3
50°	1210.3	1217.2	1323.8	1404.6	1517.6	1900.6	2232.8	2125.7	2516.6	1678.5	1416.8
52.5°	1448.6	1533.7	1592.4	1896.2	1940.2	2528.8	2957.3	2920.6	3182.9	2323.3	1719.6
55°	1724.0	1856.6	1895.7	2366.8	2445.6	3263.1	3707.8	3772.9	3789.0	3003.3	2021.5
57.5°	2177.5	2383.0	2390.3	2888.4	2902.1	4113.4	4821.3	4964.6	4801.2	3794.9	2497.5
60°	2551.3	2792.0	2711.3	3389.3	3253.3	4801.2	5362.8	5525.3	5221.9	4471.5	2830.1
62.5°	2782.7	3015.1	2908.9	3741.6	3464.7	5096.2	5686.2	5853.0	5519.4	4831.1	3086.0
65°	2955.4	3213.2	3049.8	3929.4	3464.2	5122.6	5885.8	6026.7	5669.6	4934.3	3161.3
67.5°	2958.8	3190.2	2986.2	3862.4	3233.7	4704.3	5574.2	5663.2	5266.9	4567.9	2937.3
70°	2586.5	2752.8	2526.3	3259.7	2608.5	3570.3	4353.1	4458.8	4060.0	3511.6	2275.9
72.5°	2164.3	2229.4	2004.8	2607.1	2043.0	2702.0	3327.7	3367.3	3156.5	2630.5	1759.2
75°	1699.6	1674.6	1558.2	1943.7	1553.3	1914.3	2613.4	2575.3	2459.3	1935.8	1342.4
77.5°	1134.0	1087.5	1093.4	1333.6	1085.1	1266.6	1903.1	1904.5	1863.9	1435.4	957.4
80°	691.8	693.2	674.1	845.9	716.2	841.9	1311.6	1268.5	1269.5	946.6	670.2
82.5°	541.1	549.9	525.9	609.6	564.1	669.7	857.1	881.1	855.2	695.2	493.6
85°	531.3	539.1	514.2	566.0	536.2	639.9	806.2	804.3	790.6	644.8	466.7
87.5°	486.8	496.1	477.5	513.7	490.7	592.4	742.1	732.4	719.2	606.6	445.2
90°	410.9	428.1	415.3	460.4	428.6	509.8	645.3	641.4	634.5	536.2	396.3
92.5°	373.8	377.2	367.9	408.5	373.3	446.7	572.9	560.6	545.5	465.2	337.6
95°	334.6	333.2	324.4	357.1	325.8	373.8	486.8	468.2	460.4	392.8	281.8
97.5°	268.1	268.6	264.2	286.7	264.2	298.4	365.4	358.6	342.9	293.5	215.7
100°	234.8	236.3	233.4	251.0	231.9	253.9	304.3	302.8	290.1	250.5	188.3
102.5°	222.1	222.6	226.5	237.3	219.2	235.3	277.4	277.9	269.6	233.4	177.1
105°	213.3	212.8	215.7	224.6	208.9	220.6	259.3	259.3	247.5	220.1	167.8
107.5°	206.5	205.5	210.4	217.7	206.9	210.4	240.2	242.2	230.9	205.0	159.5
110°	198.6	198.1	206.5	211.8	201.6	202.0	228.0	226.5	216.2	199.6	157.0

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Scaled Data Report

REPORT NUMBER: P1046601
CATALOG NUMBER: FFX-CLB-50-727-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	201.6	204.5	213.8	198.6	183.5	184.4	204.5	*206.9*	199.6	182.5	149.2
115°	199.1	202.0	214.3	192.8	170.2	176.1	192.8	*194.7*	183.9	169.8	140.4
117.5°	190.3	191.3	198.6	193.2	169.8	176.6	184.9	*188.3*	180.5	169.8	141.9
120°	225.0	217.7	217.7	209.4	183.0	195.2	210.9	*213.8*	206.5	186.4	141.4
122.5°	206.9	204.5	205.0	194.2	181.0	191.3	209.9	*214.8*	208.4	188.3	141.4
125°	162.9	163.4	161.0	164.4	159.0	162.4	172.2	*180.0*	174.2	163.4	134.5
127.5°	148.2	147.7	144.8	159.5	142.9	149.7	159.0	*163.4*	157.5	145.3	121.8
130°	144.3	144.3	152.6	167.8	158.0	155.1	151.7	*156.1*	155.1	147.3	121.8
132.5°	135.0	135.5	147.7	167.3	163.4	149.7	137.5	*139.9*	144.3	146.3	128.7
135°	135.0	133.6	129.6	134.0	131.6	135.0	131.6	*135.0*	136.0	135.0	112.5
137.5°	143.8	142.9	133.1	127.2	127.7	138.4	138.9	*140.4*	138.9	131.1	109.1
140°	140.9	137.5	130.6	128.2	128.7	139.9	144.3	*145.3*	143.8	128.7	102.7
142.5°	136.0	136.0	138.0	140.9	145.3	197.6	183.9	*196.7*	197.2	181.5	105.7
145°	195.2	197.2	191.3	184.9	200.6	237.8	223.6	*237.3*	246.6	229.4	145.8
147.5°	176.1	179.1	175.6	170.2	190.8	191.3	182.5	*183.9*	186.4	190.3	147.3
150°	124.8	121.3	126.7	122.8	143.3	142.4	130.1	*133.1*	138.4	138.9	117.4
152.5°	92.5	91.0	90.0	89.5	103.2	94.9	90.5	*89.0*	90.0	89.5	84.1
155°	81.7	81.7	81.2	83.7	91.0	85.1	80.7	*81.2*	78.8	77.3	74.4
157.5°	63.6	62.1	63.6	68.0	70.9	65.6	64.1	*63.1*	62.6	60.2	61.2
160°	52.3	52.3	53.3	56.7	58.7	54.8	51.9	*50.9*	50.9	49.9	53.3
162.5°	44.5	44.5	45.5	46.5	47.5	45.5	44.5	*44.5*	44.0	44.0	47.5
165°	37.2	37.2	37.7	39.6	40.1	39.1	38.6	*39.1*	39.1	41.1	44.0
167.5°	34.2	34.2	34.7	35.7	36.2	35.7	37.2	*38.6*	40.1	42.1	43.1
170°	32.8	32.8	33.3	33.8	34.7	35.7	38.6	*39.6*	40.1	39.6	39.6
172.5°	33.8	33.8	33.8	34.7	35.7	38.2	40.6	*40.6*	39.6	38.6	38.6
175°	34.2	33.8	34.2	35.2	36.7	38.2	39.1	*40.1*	40.1	39.6	39.6
177.5°	33.8	33.8	34.2	34.7	34.7	34.7	35.2	*35.7*	35.7	36.2	36.7
180°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	*33.3*	33.3	33.3	33.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0
2.5°	255.9	241.7	179.1	118.9	145.8	212.8	248.0	232.4	173.2	99.8	84.6
5°	104.7	117.4	137.0	131.1	117.9	96.9	72.9	72.4	100.3	121.8	123.8
7.5°	100.8	92.5	87.6	96.9	90.5	62.6	52.8	44.0	47.0	69.0	66.0
10°	124.3	121.3	113.0	92.5	68.0	56.3	52.8	53.8	57.7	51.9	51.4
12.5°	138.4	131.1	113.0	107.1	91.0	64.6	53.3	49.4	52.8	66.0	71.4
15°	151.7	140.9	118.4	99.3	81.7	67.0	57.2	49.9	44.5	38.6	38.2
17.5°	163.4	149.7	124.8	103.2	81.2	67.0	55.3	43.5	37.7	35.7	35.7
20°	177.6	164.9	133.1	107.6	81.7	65.6	53.3	43.1	37.7	35.7	35.7
22.5°	196.7	175.6	141.9	109.6	82.7	65.1	52.3	44.0	39.1	36.2	36.2
25°	202.0	185.9	147.7	115.9	86.6	67.5	54.8	45.5	40.1	37.7	37.2
27.5°	206.0	193.7	159.0	121.3	91.0	72.4	58.7	47.5	41.1	38.6	38.2
30°	221.1	210.4	171.2	129.2	96.9	77.3	62.1	50.4	43.1	39.1	38.2
32.5°	253.4	238.3	189.3	137.0	104.2	82.7	66.5	53.3	45.0	40.1	39.1
35°	315.1	302.8	237.3	153.1	112.0	89.5	71.9	57.2	47.5	41.6	41.1
37.5°	386.5	367.4	288.2	178.1	117.4	95.4	77.3	61.2	49.9	44.0	43.1
40°	398.7	344.4	255.4	162.4	118.4	98.3	82.2	65.6	52.8	46.0	44.5
42.5°	500.0	422.7	296.0	167.8	120.8	98.3	83.2	68.5	55.8	47.5	46.5
45°	528.8	421.2	294.5	187.4	132.6	101.3	83.7	70.0	58.2	49.9	48.4
47.5°	674.1	516.6	298.9	199.1	144.8	111.5	87.1	70.9	58.7	51.4	50.9
50°	963.8	690.8	359.6	240.2	173.7	130.1	97.8	74.4	59.7	52.8	52.3
52.5°	1190.3	820.4	386.0	287.7	221.1	165.4	116.9	83.2	61.6	53.3	52.3
55°	1414.8	978.4	434.9	339.5	263.2	199.1	145.3	97.4	66.5	54.3	53.3
57.5°	1757.3	1174.6	495.6	390.4	312.1	230.9	162.4	110.1	72.4	55.3	53.8
60°	1965.2	1244.1	501.9	416.3	340.0	253.4	168.3	115.0	79.7	59.2	56.7
62.5°	2152.1	1306.7	506.3	428.1	344.9	255.9	168.8	111.1	81.2	65.1	62.1
65°	*2200.5*	*1255.8*	*510.7*	*432.0*	*336.1*	*241.7*	*162.4*	*107.1*	*77.3*	*70.4*	*70.0*
67.5°	2090.9	1126.2	480.4	417.3	312.6	217.2	146.3	101.8	75.3	68.5	70.0
70°	1629.1	894.3	440.3	384.5	270.0	183.5	130.1	94.9	74.4	65.1	63.6
72.5°	1283.7	760.7	444.7	366.4	228.0	162.4	115.0	86.6	70.4	63.6	62.6
75°	1000.0	637.5	428.1	315.5	184.9	138.4	100.8	77.3	65.6	61.2	60.7
77.5°	733.3	505.9	353.2	243.1	152.6	115.5	88.1	70.9	62.1	58.2	57.7
80°	480.9	357.6	246.1	194.2	131.6	104.2	80.2	66.5	59.7	56.3	55.8
82.5°	409.0	317.5	218.7	178.6	121.8	100.3	78.8	65.1	59.2	55.3	54.8
85°	394.3	325.3	223.6	184.9	115.9	95.9	76.3	64.1	57.7	54.3	53.8
87.5°	370.3	294.5	216.2	165.8	107.1	87.6	71.4	61.6	55.3	52.3	51.4
90°	329.7	251.9	185.9	142.4	101.8	82.2	67.5	58.7	53.8	50.9	49.9
92.5°	266.1	191.3	146.3	125.7	99.3	81.7	67.0	58.7	53.8	50.9	49.9
95°	223.6	163.9	131.1	115.0	92.5	77.3	64.1	56.7	52.3	49.4	49.4
97.5°	177.1	137.0	116.9	103.2	83.2	70.4	60.7	54.3	50.4	47.5	47.5
100°	157.0	127.2	111.1	96.9	78.8	66.5	59.2	52.8	49.4	46.0	46.0
102.5°	149.2	123.3	109.6	92.0	75.3	64.1	56.7	50.9	47.9	44.5	44.5
105°	144.3	121.8	108.6	89.5	71.9	61.2	54.3	48.4	46.0	43.5	43.1
107.5°	139.4	119.9	110.1	88.1	69.0	59.2	54.3	47.9	45.0	43.1	43.1
110°	137.0	120.8	109.6	86.6	68.0	58.7	53.8	48.4	46.0	44.0	43.5

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

Scaled Data Report

REPORT NUMBER: P1046601
CATALOG NUMBER: FFX-CLB-50-727-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	130.6	115.5	104.7	82.2	66.5	57.2	51.9	47.9	44.5	42.6	42.1
115°	124.3	106.2	95.9	78.3	63.1	55.3	50.4	46.5	43.1	41.6	41.6
117.5°	126.7	103.7	88.1	76.8	62.1	53.8	49.4	45.5	42.6	41.6	41.1
120°	125.2	109.1	98.8	82.2	61.6	52.3	48.4	44.5	42.1	41.6	41.6
122.5°	119.9	117.9	108.6	83.7	59.7	52.8	49.4	46.0	43.5	42.1	42.1
125°	115.5	114.5	101.3	75.3	61.2	54.8	51.9	48.4	47.0	45.5	45.0
127.5°	106.7	95.9	84.1	72.4	62.1	55.8	52.8	50.9	49.4	47.0	46.5
130°	107.1	98.3	86.6	72.9	59.7	54.8	53.3	51.4	48.9	45.0	44.5
132.5°	116.4	107.1	86.1	67.5	57.2	54.8	53.8	51.4	46.0	41.6	41.1
135°	96.9	90.5	76.3	64.6	58.2	56.7	56.3	50.9	43.1	40.1	39.6
137.5°	94.4	85.1	73.4	65.1	60.7	57.7	55.8	48.9	40.1	37.2	36.2
140°	89.0	80.2	71.9	66.0	58.7	48.9	44.5	41.1	37.2	34.7	34.2
142.5°	89.0	80.7	68.0	58.2	50.9	45.5	43.1	40.1	35.7	32.3	31.3
145°	105.2	95.4	82.2	73.9	66.0	57.7	49.4	40.6	33.3	28.9	28.4
147.5°	119.4	107.6	97.4	83.7	70.9	57.2	45.5	35.7	30.3	28.4	28.4
150°	97.8	87.1	81.7	70.0	58.7	47.0	38.6	33.3	30.3	29.4	29.4
152.5°	73.4	61.6	57.7	51.4	44.5	38.6	34.7	31.8	30.8	30.3	30.3
155°	68.5	58.7	53.8	47.9	41.1	36.2	33.8	32.3	31.3	30.8	30.8
157.5°	59.7	54.3	47.9	43.5	38.6	35.2	33.8	32.8	31.8	31.3	31.3
160°	53.3	49.4	43.5	40.1	36.7	35.2	35.2	34.7	33.3	32.8	32.8
162.5°	47.9	46.5	41.1	38.2	36.7	37.2	39.6	39.1	36.7	34.7	34.2
165°	44.5	43.1	39.1	37.7	36.7	38.6	43.5	42.6	38.6	36.2	36.2
167.5°	42.6	41.6	38.6	37.2	37.7	41.6	46.0	46.5	43.1	39.6	39.1
170°	39.1	39.1	38.6	39.1	39.1	41.1	43.5	45.0	45.0	46.0	45.5
172.5°	38.6	39.1	40.6	40.6	40.1	40.6	42.6	45.0	46.5	47.9	48.4
175°	39.6	40.1	41.1	41.6	41.6	42.6	45.5	47.5	48.4	47.9	47.9
177.5°	36.7	37.2	37.7	39.6	40.6	41.6	44.5	45.5	46.5	47.5	47.5
180°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3

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: SP1-2501-332-8

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

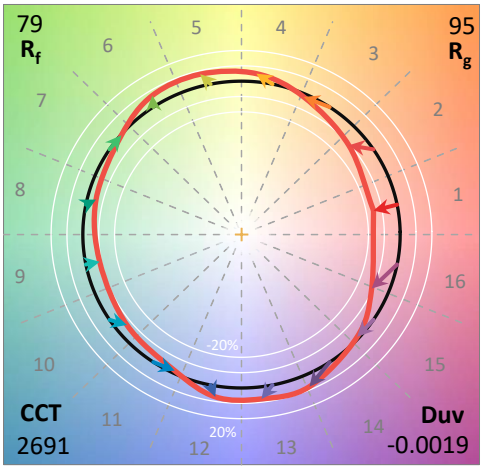
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

0

Spectral Parameters

CCT (K):	2691	CRI (Ra):	75.2		
CIE u':	0.2634	R1:	72.6	R9:	-22.6
CIE v':	0.5248	R2:	88.2	R10:	75.5
Duv:	-0.0019	R3:	92.0	R11:	69.1
CIE x:	0.4574	R4:	71.0	R12:	71.3
CIE y:	0.4050	R5:	73.5	R13:	75.9
CIE z:	0.1375	R6:	86.2	R14:	95.9
Peak Wavelength (nm):	602	R7:	75.1	R15:	63.7
Dominant Wavelength (nm):	584	R8:	43.1		
Purity:	58.87605				

Rf:	79.3
Rg:	95.1



Test Conditions

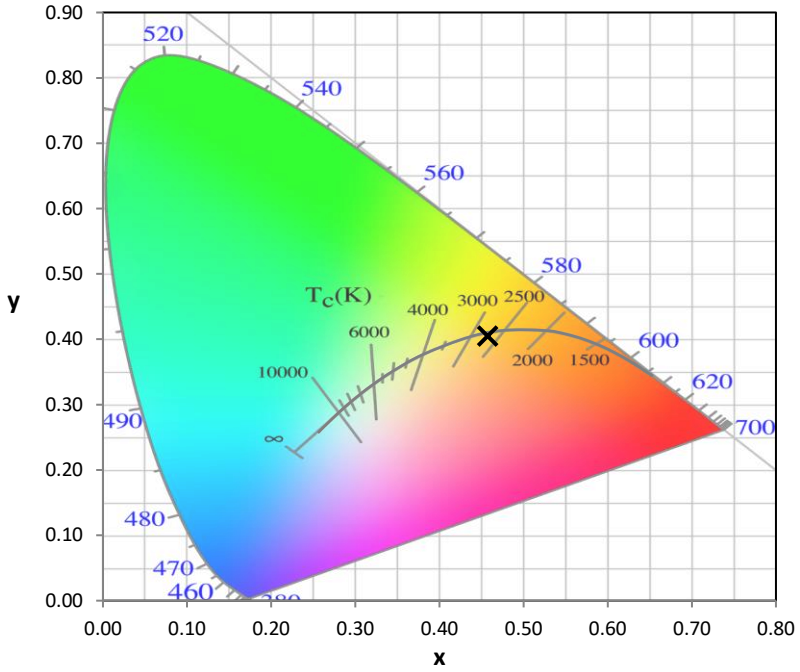
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

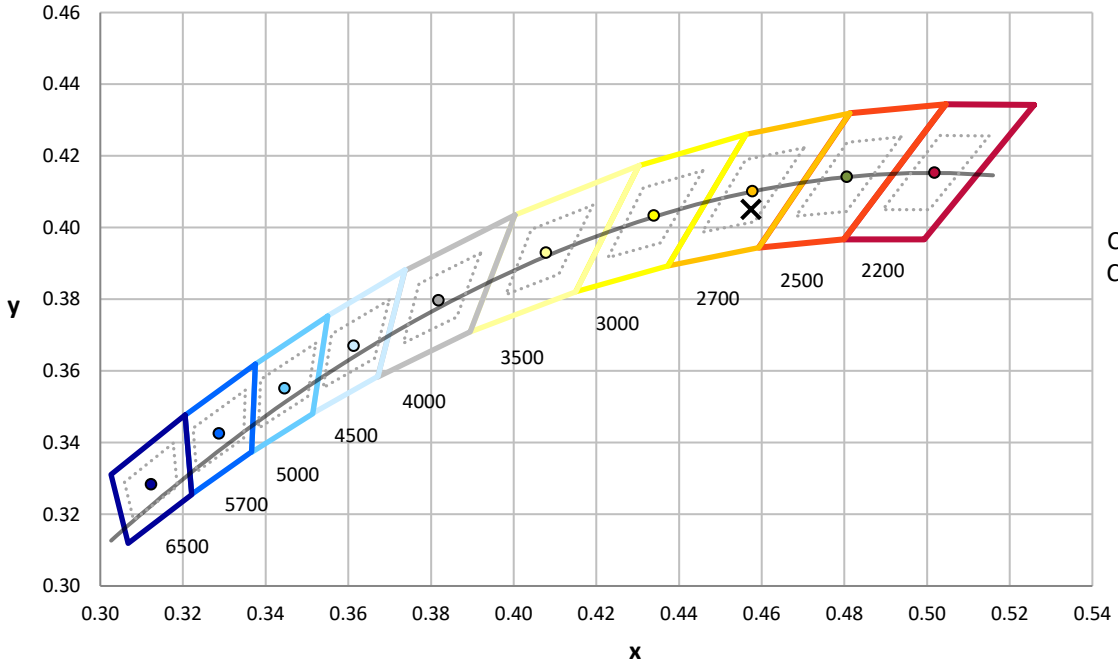
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-8

CIE 1931 Chromaticity Diagram



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

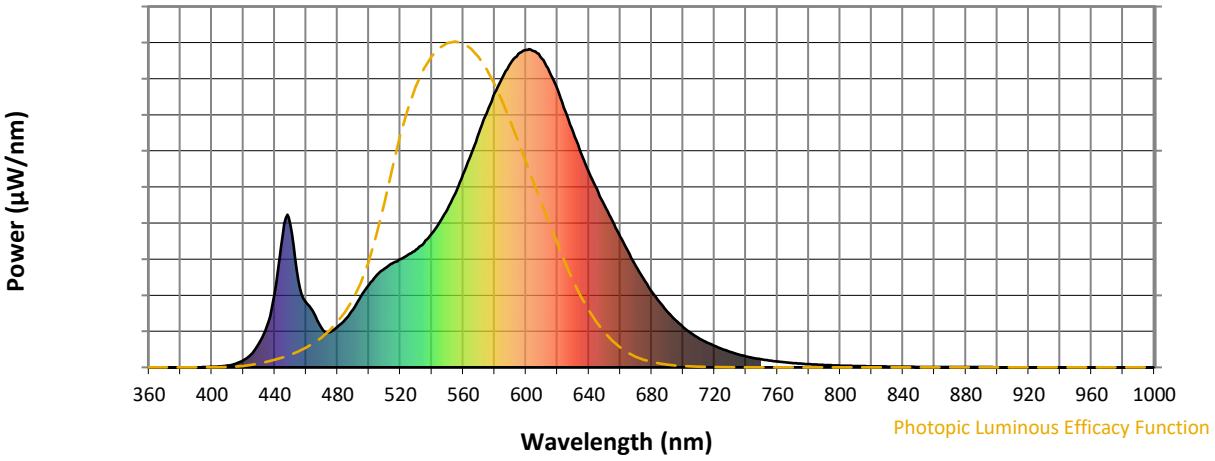


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

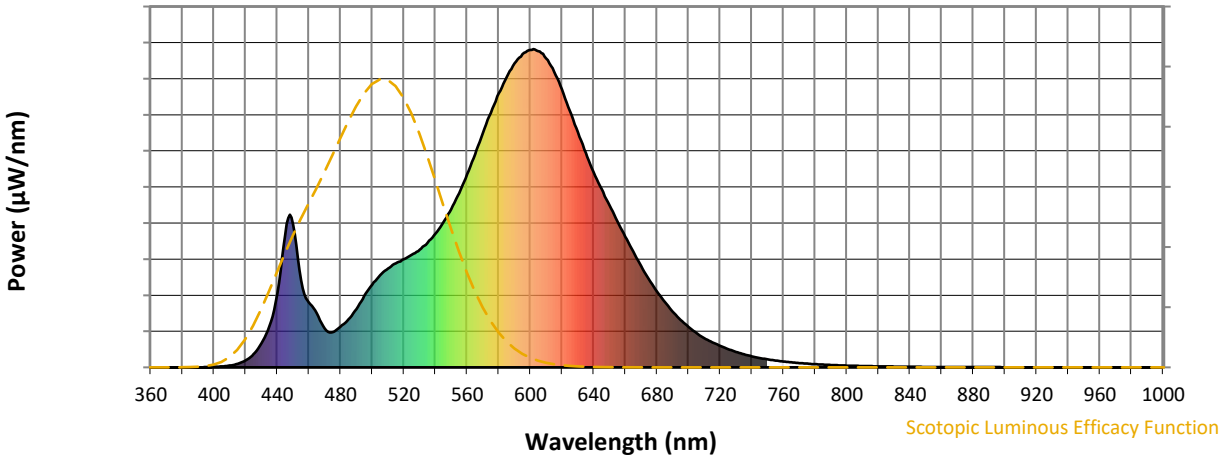


Photopic Lumens: NR

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Scotopic Flux vs. Wavelength

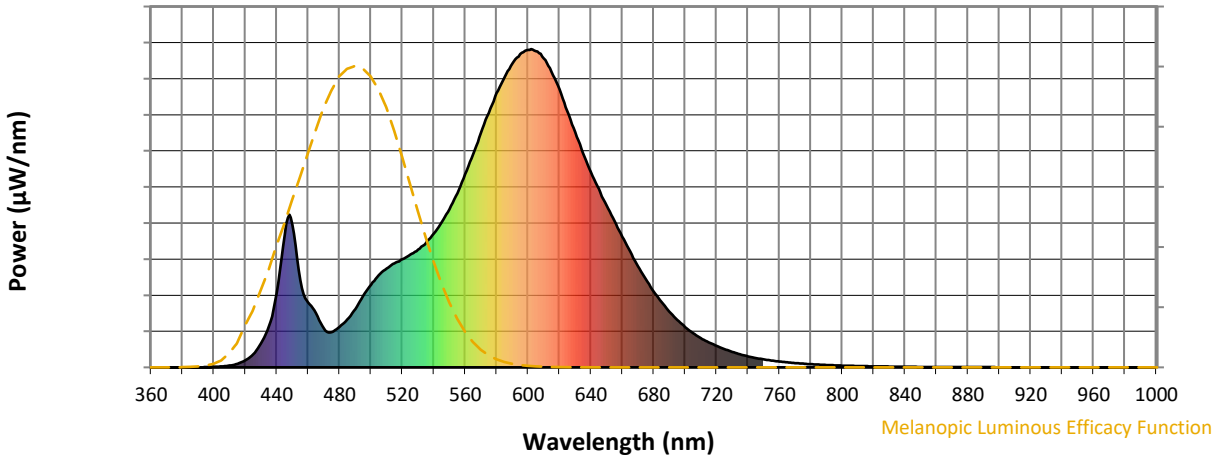


Scotopic Lumens: NR **S/P: 1.18**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.19**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

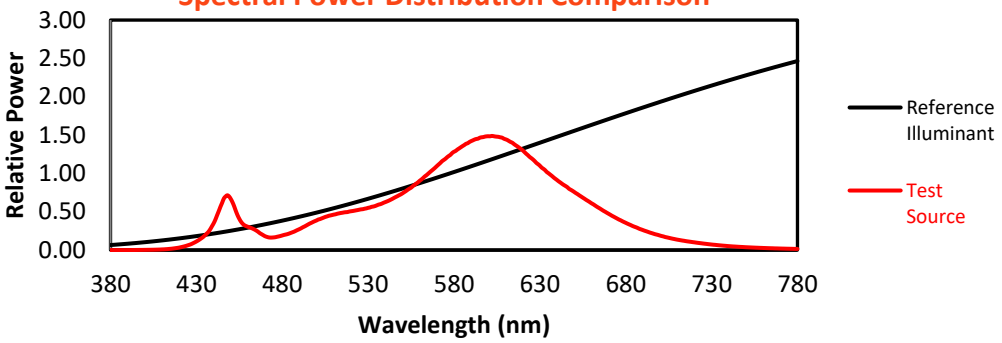
REPORT NUMBER: SP1-2501-332-8

TM-30-18

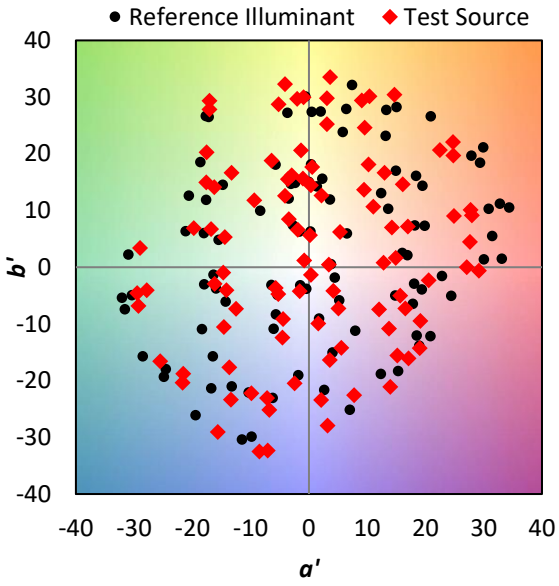
Summary

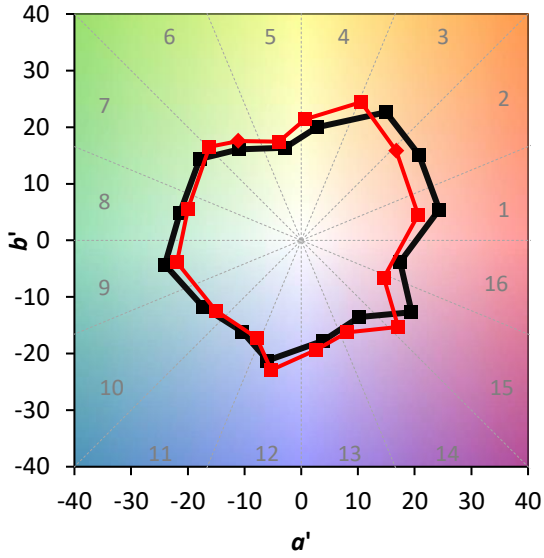
R_f = 79.3
R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

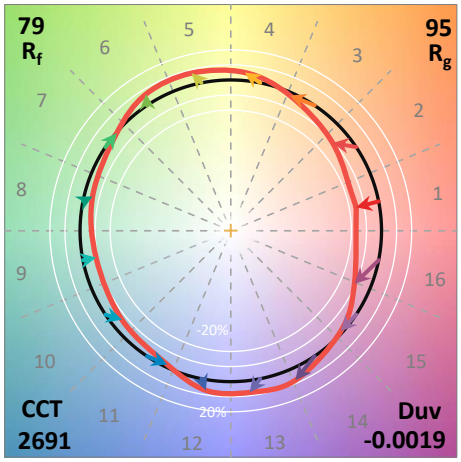
Spectral Power Distribution Comparison

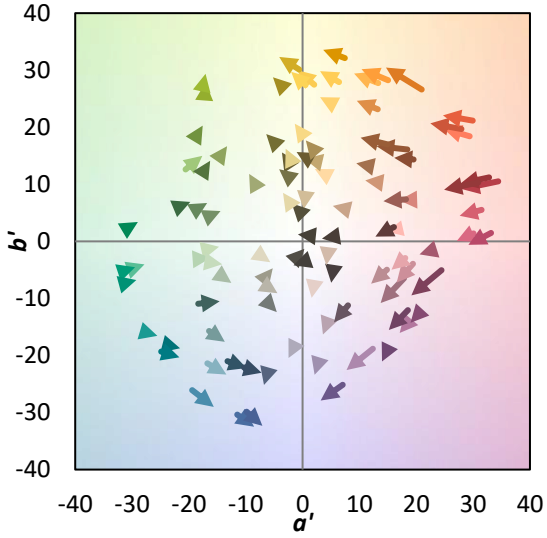


Color Vector Graphics







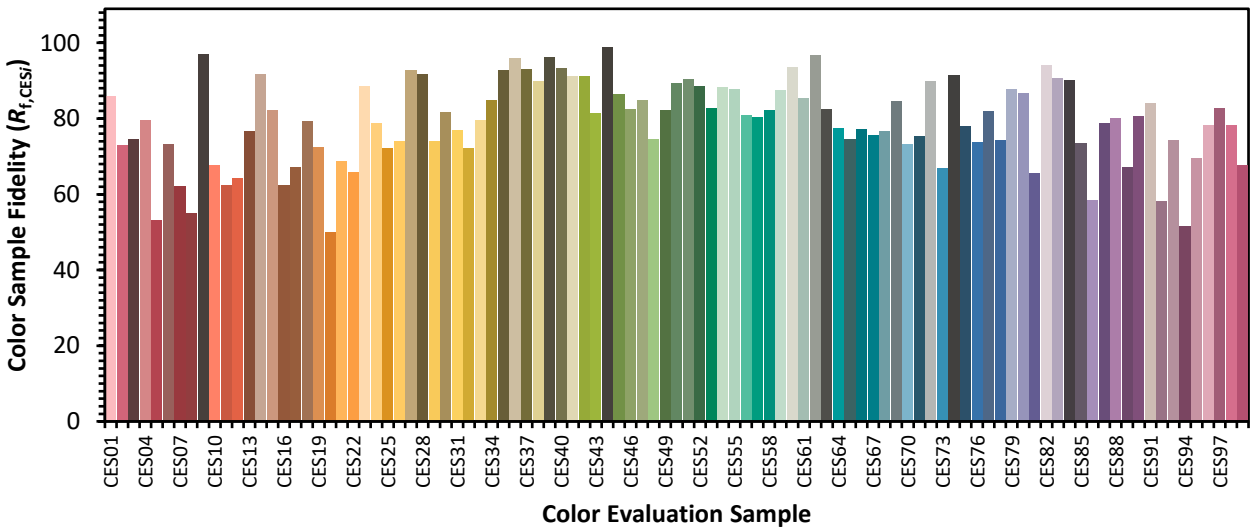


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

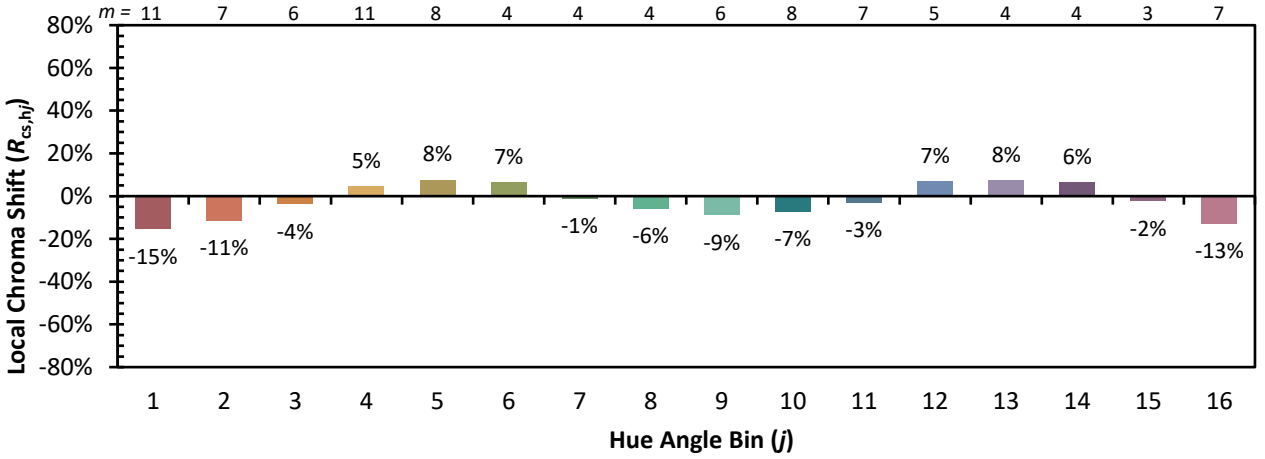
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 80	CES82 = 94
CES08 = 41	CES33 = 80	CES58 = 82	CES83 = 91
CES09 = 29	CES34 = 85	CES59 = 88	CES84 = 90
CES10 = 77	CES35 = 93	CES60 = 94	CES85 = 73
CES11 = 60	CES36 = 96	CES61 = 85	CES86 = 58
CES12 = 66	CES37 = 93	CES62 = 97	CES87 = 79
CES13 = 44	CES38 = 90	CES63 = 83	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 77	CES89 = 67
CES15 = 72	CES40 = 93	CES65 = 75	CES90 = 81
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 84
CES17 = 51	CES42 = 91	CES67 = 76	CES92 = 58
CES18 = 57	CES43 = 82	CES68 = 77	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 85	CES94 = 52
CES20 = 67	CES45 = 86	CES70 = 73	CES95 = 70
CES21 = 87	CES46 = 83	CES71 = 75	CES96 = 78
CES22 = 80	CES47 = 85	CES72 = 90	CES97 = 83
CES23 = 92	CES48 = 74	CES73 = 67	CES98 = 78
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 68
CES25 = 73	CES50 = 89	CES75 = 78	

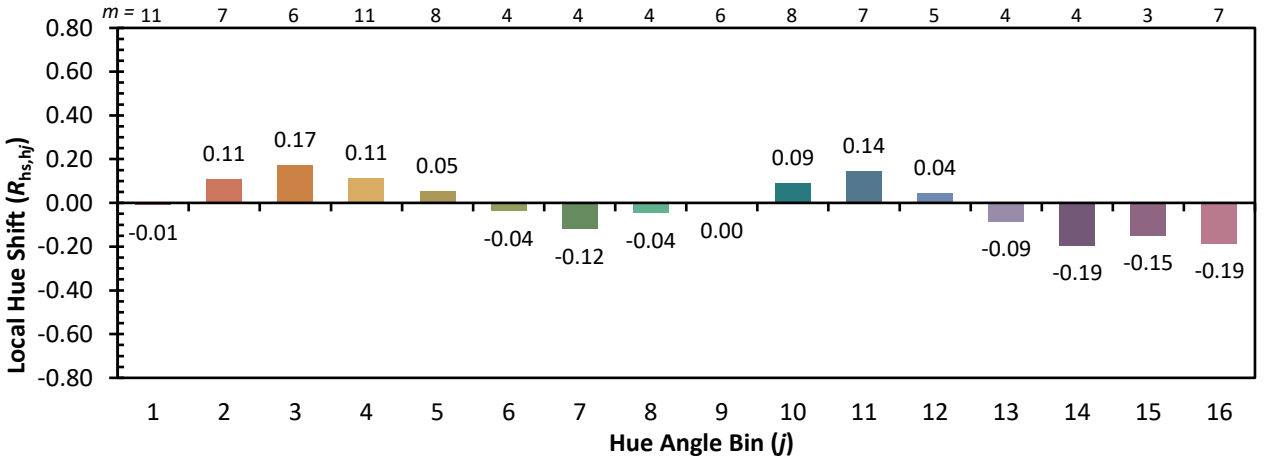


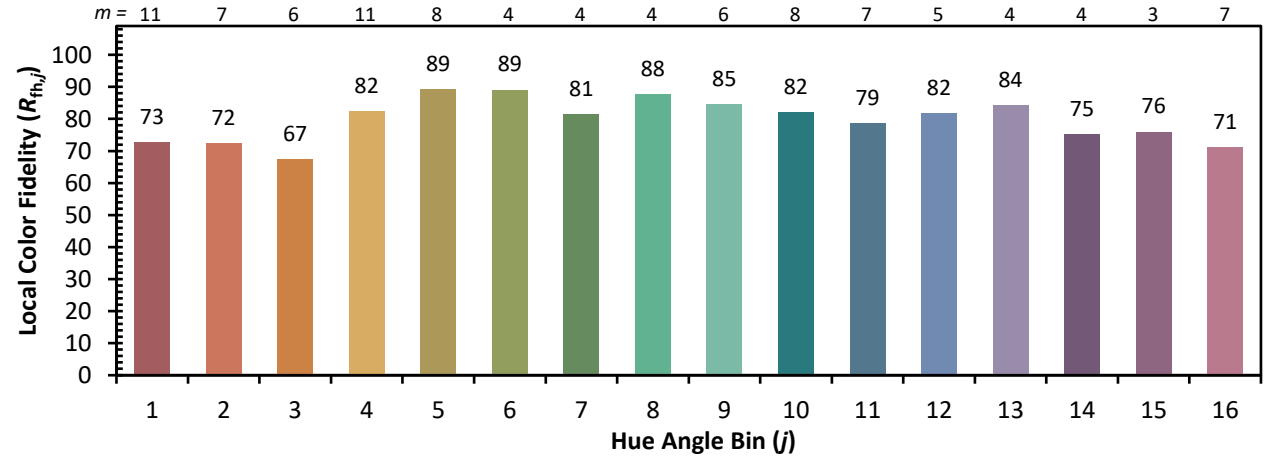
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Color Rendition by Hue-Angle Bin



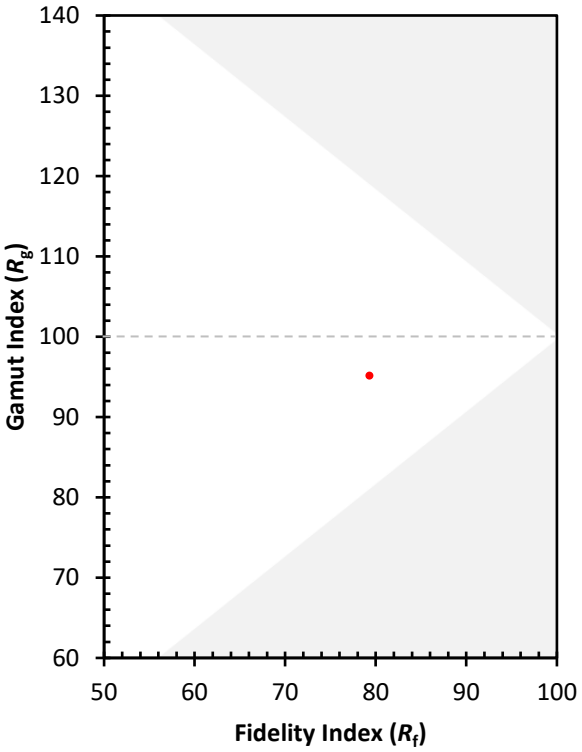


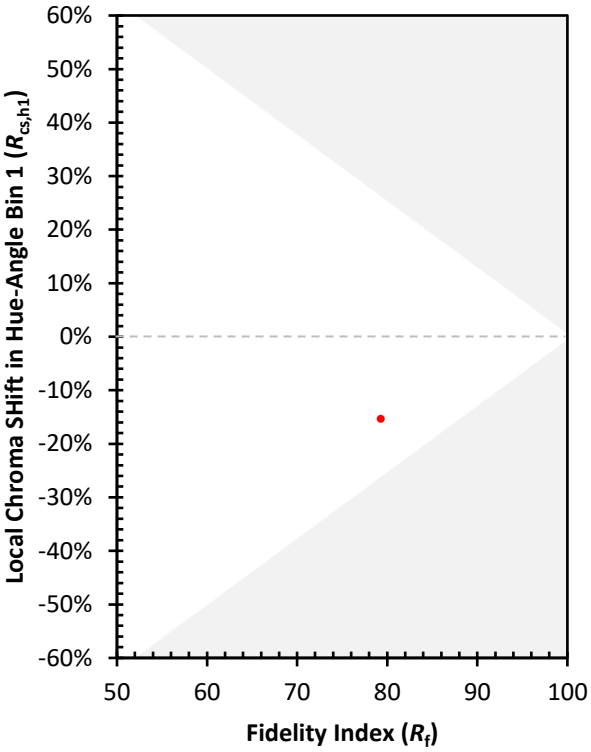


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Measure Comparisons





(END OF REPORT)