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: P1045744

Luminaire Tested: **FFX-CLB-70-727-U-FR-T5-UPLR-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045744
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-FR-T5-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6814.3 lumens
Efficiency:	N/A
Efficacy:	95.7 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

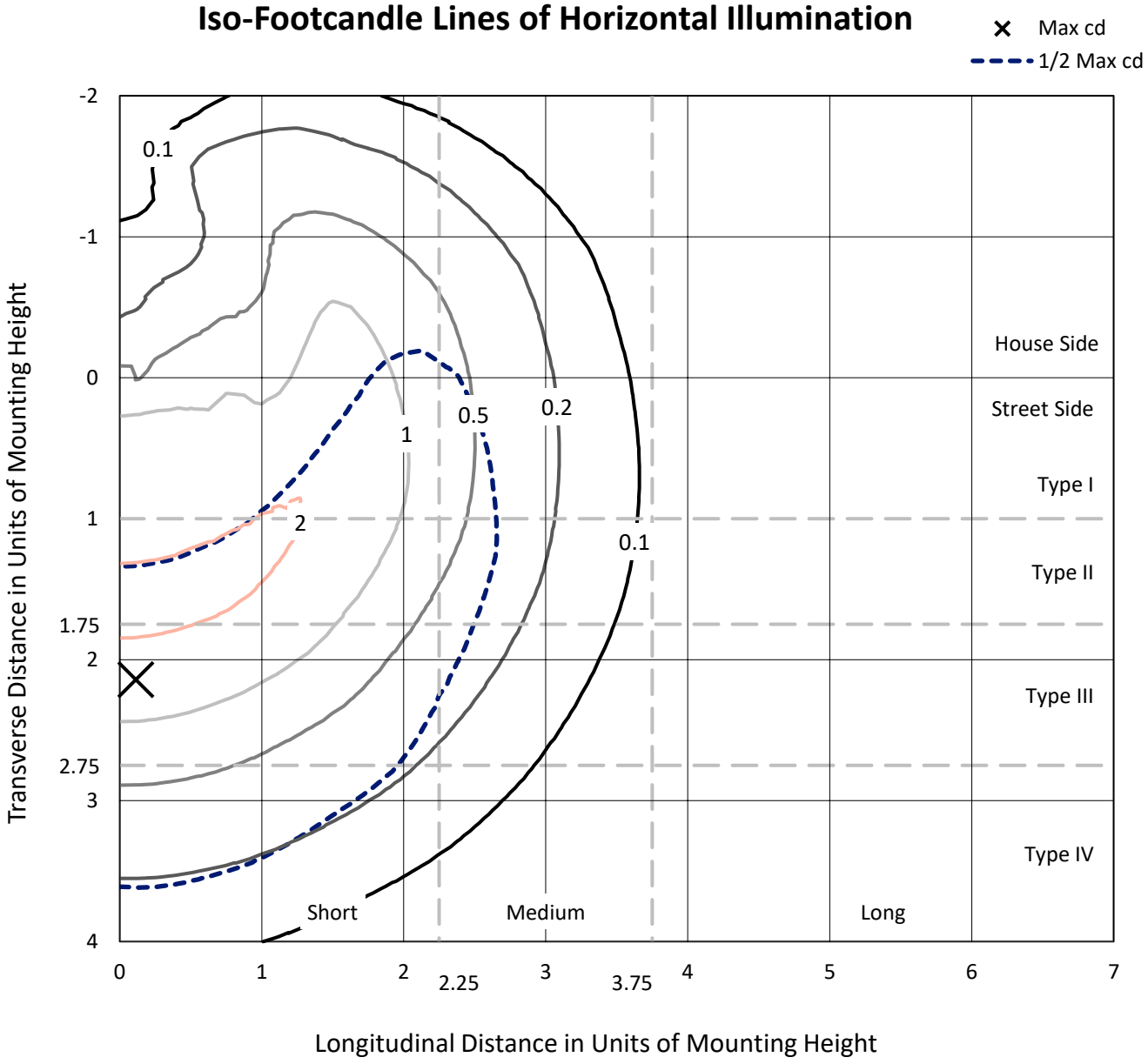


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Iso-Footcandle Lines of Horizontal Illumination



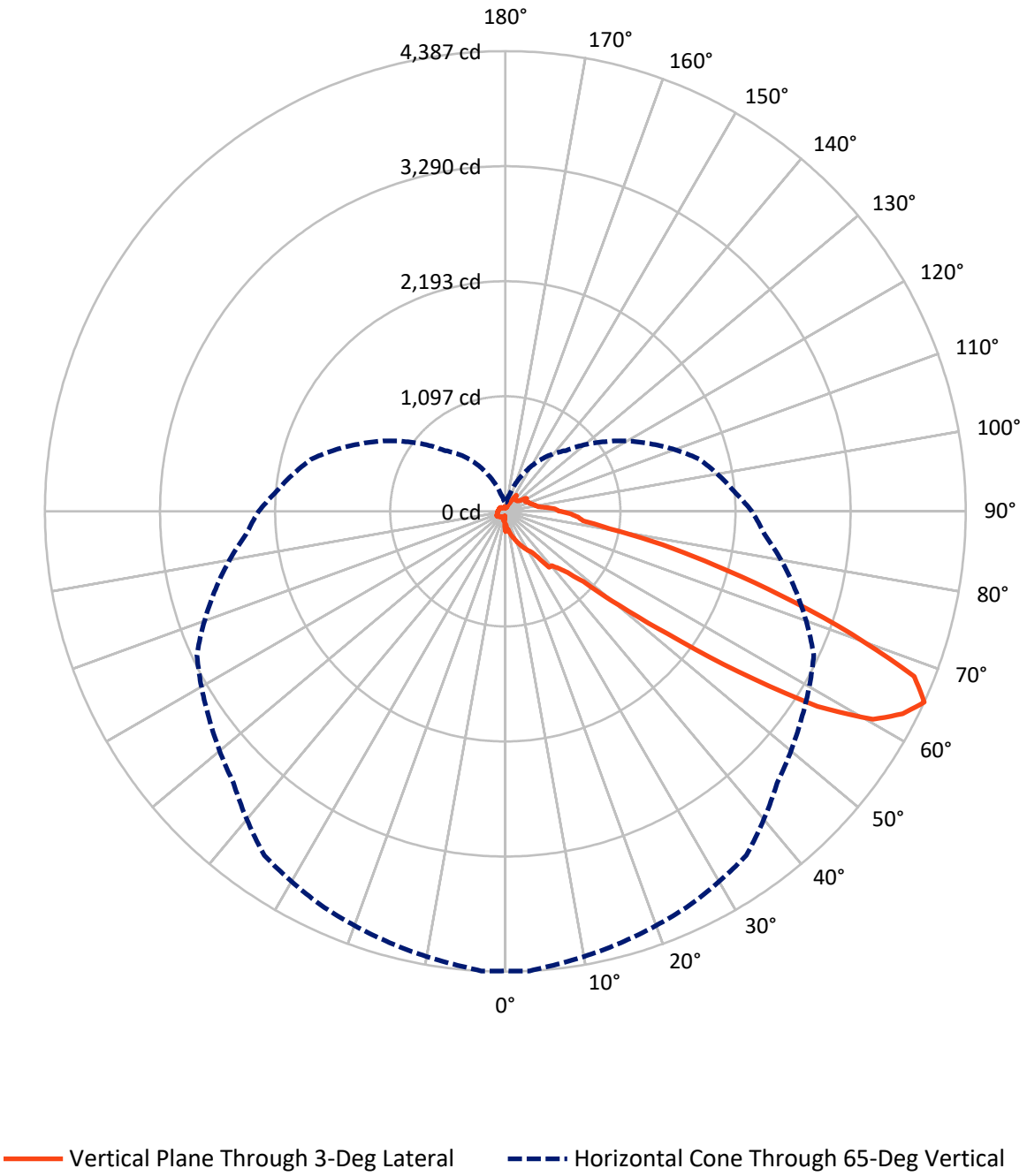
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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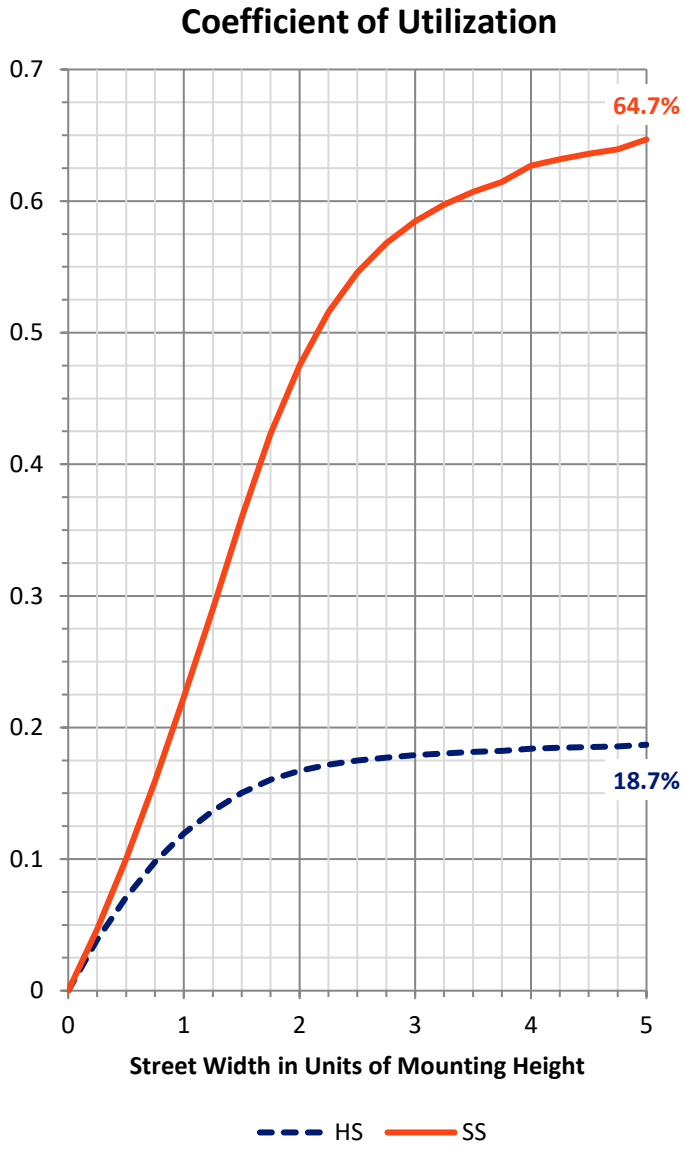
REPORT NUMBER: P1045744
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1318.4	286.6	1605.0
	% Fixture	19.3	4.2	23.6
Street Side	Lumens	4597.2	612.1	5209.3
	% Fixture	67.5	9.0	76.4
Total	Lumens	5915.6	898.7	6814.3
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.2
10°-20°	46.4	0.7
20°-30°	103.6	1.5
30°-40°	209.4	3.1
40°-50°	420.6	6.2
50°-60°	1349.7	19.8
60°-70°	2152.8	31.6
70°-80°	1171.1	17.2
80°-90°	450.0	6.6
90°-100°	268.2	3.9
100°-110°	178.0	2.6
110°-120°	141.9	2.1
120°-130°	118.2	1.7
130°-140°	81.4	1.2
140°-150°	65.7	1.0
150°-160°	29.4	0.4
160°-170°	11.9	0.2
170°-180°	4.0	0.1
0°-90°	5915.6	86.8
0°-180°	6814.3	100.0



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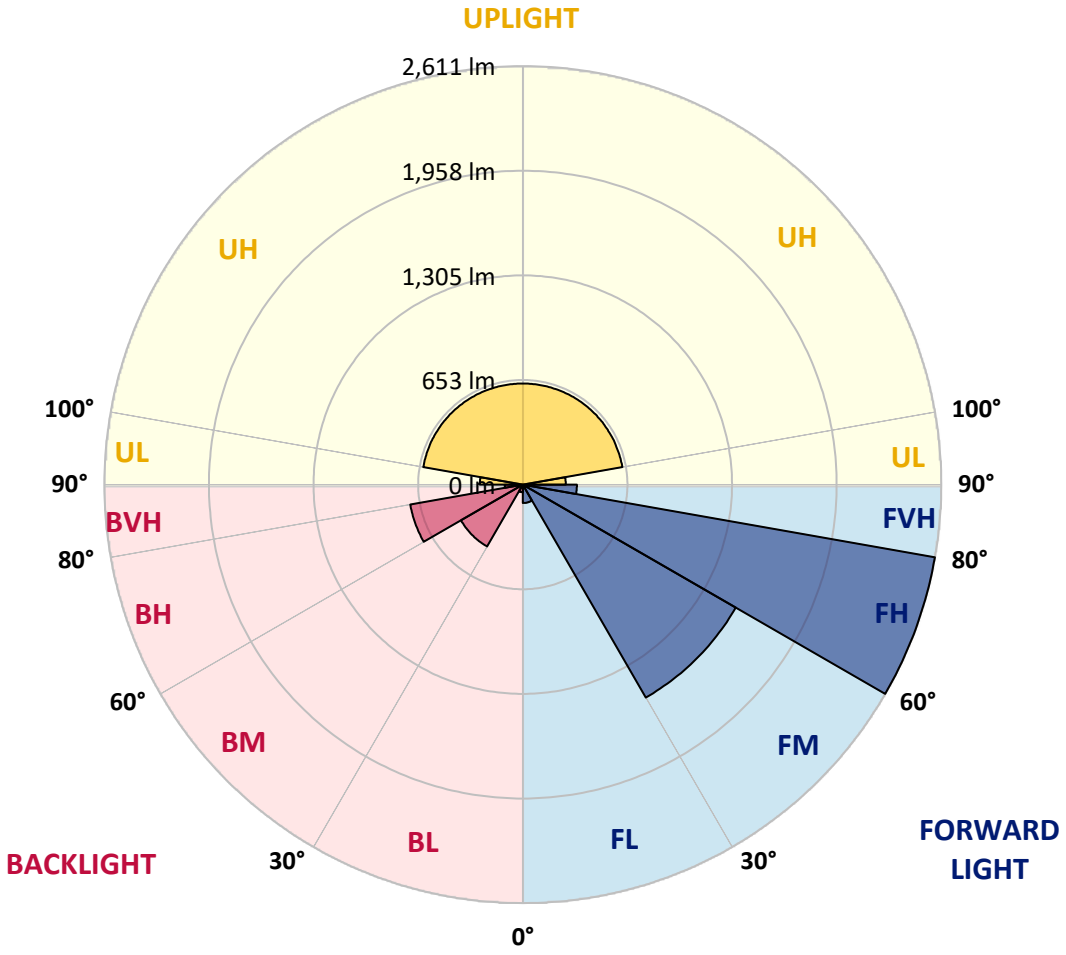
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	114.9	1.7			
FM	(30°-60°)	1534.1	22.5			
FH	(60°-80°)	2610.8	38.3			G2/5000
FVH	(80°-90°)	337.3	5.0			G3/500
BL	(0°-30°)	47.3	0.7	B0/110		
BM	(30°-60°)	445.5	6.5	B1/1000		
BH	(60°-80°)	713.0	10.5	B2/1000		G2/1000
BVH	(80°-90°)	112.7	1.7			G2/225
UL	(90°-100°)	268.2	3.9		U3/500	
UH	(100°-180°)	630.5	9.3		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	124.5	123.7	126.1	137.0	165.2	174.6	166.8	153.5	151.1	165.2	176.2
5°	169.9	168.3	166.8	155.8	144.8	150.3	166.0	169.9	154.2	125.3	106.5
7.5°	172.2	170.7	171.5	171.5	169.1	158.9	147.2	152.7	166.0	148.0	116.7
10°	191.8	191.0	191.0	190.3	187.9	184.8	184.0	172.2	151.9	136.2	130.0
12.5°	223.9	223.9	223.1	222.4	220.0	214.5	207.5	198.1	191.8	173.0	153.5
15°	249.8	247.4	249.0	246.6	242.7	239.6	231.0	220.8	202.0	189.5	172.2
17.5°	274.8	274.8	275.6	271.7	267.0	264.6	255.2	241.9	223.9	202.0	185.6
20°	306.1	303.8	303.8	299.9	294.4	286.6	277.9	266.2	251.3	221.6	199.6
22.5°	335.9	336.7	336.7	330.4	321.8	314.7	303.0	288.9	274.8	244.3	216.1
25°	369.5	368.8	368.0	367.2	358.6	346.1	331.2	316.3	306.1	276.4	237.2
27.5°	400.9	399.3	398.5	402.4	394.6	382.1	360.1	342.1	331.2	300.6	256.8
30°	435.3	434.5	434.5	436.1	433.0	413.4	389.9	368.8	353.1	322.6	275.6
32.5°	465.8	464.3	465.1	471.3	470.5	445.5	424.3	398.5	378.9	354.7	303.0
35°	541.0	537.9	542.6	552.0	559.0	532.4	503.4	463.5	433.7	408.7	355.4
37.5°	676.4	677.2	678.8	666.3	639.6	620.1	606.0	573.9	537.1	494.8	432.2
40°	681.9	681.1	685.1	703.8	714.8	681.1	648.3	610.7	601.3	565.3	485.4
42.5°	745.3	740.6	744.6	762.6	777.4	757.1	728.1	664.7	630.3	598.2	532.4
45°	836.2	830.7	837.7	840.9	837.7	815.8	820.5	768.8	736.7	671.7	580.1
47.5°	974.7	999.8	1003.7	1004.5	1035.8	1006.1	987.3	937.9	865.1	787.6	683.5
50°	1368.6	1409.3	1395.2	1381.9	1384.2	1361.5	1335.7	1267.6	1169.7	1038.9	890.2
52.5°	1953.4	1937.7	1940.1	1948.7	1970.6	1869.6	1825.8	1723.2	1565.1	1408.5	1194.0
55°	2669.0	2695.6	2694.0	2722.2	2718.3	2609.5	2470.9	2298.7	2068.5	1839.1	1585.4
57.5°	3553.7	3506.7	3475.4	3423.7	3379.1	3231.1	3139.5	2953.2	2648.6	2304.1	1978.5
60°	4050.1	4024.2	4016.4	3945.2	3884.1	3702.5	3513.8	3311.8	3073.8	2666.6	2297.1
62.5°	4236.4	4248.9	4238.0	4191.8	4151.1	3992.1	3675.1	3455.0	3242.1	2850.6	2461.5
65°	4379.7	4386.7	4361.7	4256.8	4145.6	4003.1	3661.7	3444.9	3242.9	2857.7	2477.2
67.5°	4204.3	4202.7	4183.2	4032.1	3844.2	3703.2	3393.2	3159.9	2988.4	2666.6	2299.5
70°	3491.1	3495.8	3499.7	3388.5	3182.6	3077.7	2763.7	2563.3	2415.3	2137.4	1873.5
72.5°	2733.2	2747.3	2753.5	2666.6	2514.0	2405.9	2196.1	2045.8	1908.0	1687.2	1479.7
75°	2056.0	2070.1	2066.1	2012.1	1904.9	1875.1	1773.3	1644.9	1529.8	1358.4	1183.0
77.5°	1542.4	1530.6	1527.5	1475.0	1369.3	1377.2	1348.2	1274.6	1185.3	1084.4	962.2
80°	1021.7	1011.5	991.2	1009.2	1000.6	975.5	927.8	890.2	855.0	794.7	728.1
82.5°	751.6	748.5	744.6	732.8	725.0	718.7	697.6	637.3	595.0	560.6	520.6
85°	703.1	693.7	695.2	674.9	650.6	628.7	612.2	586.4	553.5	499.5	441.6
87.5°	613.8	613.8	609.1	595.0	570.8	565.3	553.5	535.5	515.9	474.5	422.8
90°	510.5	507.3	507.3	506.6	501.1	497.2	474.5	458.0	449.4	407.9	371.9
92.5°	471.3	469.8	466.6	462.7	447.1	443.9	421.2	400.1	381.3	355.4	327.3
95°	382.9	386.0	378.9	378.2	370.3	365.6	347.6	337.4	324.9	303.8	277.9
97.5°	323.3	318.7	319.4	312.4	304.6	301.4	290.5	275.6	263.8	247.4	228.6
100°	296.7	295.9	294.4	288.9	277.9	270.9	259.1	245.1	233.3	218.4	202.8
102.5°	279.5	278.7	277.9	273.2	260.7	256.8	245.8	234.9	224.7	211.4	191.0
105°	262.3	261.5	259.9	254.5	246.6	242.7	232.5	226.3	216.1	204.3	184.8
107.5°	246.6	246.6	245.8	239.6	234.9	231.7	221.6	216.1	205.1	194.9	176.2
110°	238.8	238.8	238.0	233.3	223.9	219.2	209.8	202.8	192.6	182.4	167.5

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	230.2	*231.0*	231.0	232.5	209.8	201.2	193.4	187.9	179.3	169.9	157.4
115°	210.6	*211.4*	210.6	218.4	210.6	198.9	194.2	184.8	173.8	158.9	145.6
117.5°	212.2	*212.2*	213.7	217.7	213.7	202.8	192.6	180.9	171.5	156.6	144.8
120°	240.4	*238.8*	238.8	231.0	229.4	219.2	212.2	199.6	184.0	169.1	152.7
122.5°	231.0	*230.2*	231.0	218.4	217.7	215.3	213.0	210.6	190.3	181.6	160.5
125°	184.8	*183.2*	182.4	177.7	185.6	180.1	178.5	184.0	170.7	162.8	151.1
127.5°	165.2	*163.6*	162.8	161.3	166.0	156.6	155.0	156.6	146.4	137.0	130.0
130°	158.2	*155.8*	155.8	161.3	168.3	160.5	151.9	145.6	141.7	135.4	123.7
132.5°	149.5	*149.5*	150.3	157.4	169.9	161.3	145.6	133.1	131.5	132.3	126.8
135°	147.2	*146.4*	147.2	144.8	144.1	139.4	132.3	122.1	119.8	126.1	119.8
137.5°	151.1	*150.3*	149.5	143.3	136.2	132.3	130.7	124.5	118.2	114.3	108.0
140°	149.5	*149.5*	148.8	147.2	142.5	134.7	133.1	126.8	120.6	113.5	105.7
142.5°	151.9	*154.2*	155.8	157.4	155.8	147.2	138.6	128.4	121.4	117.4	108.8
145°	187.1	*187.1*	187.1	184.0	178.5	171.5	165.2	158.2	152.7	140.1	128.4
147.5°	155.0	*155.0*	154.2	155.0	155.0	151.9	151.1	148.8	149.5	143.3	131.5
150°	107.3	*109.6*	109.6	113.5	115.1	113.5	113.5	115.1	112.7	112.0	105.7
152.5°	86.9	*86.1*	84.6	86.1	86.1	86.9	86.9	85.3	84.6	84.6	80.6
155°	76.7	*76.7*	76.7	75.9	74.4	75.2	75.9	75.9	73.6	72.0	68.9
157.5°	61.1	*60.3*	60.3	61.9	61.9	61.9	61.9	61.9	61.9	62.6	63.4
160°	51.7	*50.1*	50.9	50.9	51.7	52.5	51.7	52.5	52.5	53.2	52.5
162.5°	42.3	*41.5*	41.5	42.3	43.1	43.8	44.6	44.6	45.4	47.0	47.8
165°	37.6	*37.6*	37.6	38.4	38.4	39.1	39.9	40.7	42.3	44.6	45.4
167.5°	35.2	*35.2*	35.2	35.2	36.0	36.8	38.4	40.7	42.3	44.6	44.6
170°	34.4	*34.4*	35.2	35.2	35.2	36.0	39.1	41.5	42.3	43.1	43.1
172.5°	36.0	*36.0*	36.0	36.0	36.0	37.6	41.5	42.3	42.3	42.3	43.1
175°	37.6	*37.6*	36.8	36.8	37.6	38.4	39.1	43.1	44.6	45.4	47.0
177.5°	35.2	*35.2*	35.2	36.0	36.0	36.8	37.6	39.1	39.1	40.7	43.1
180°	39.1	*39.1*	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	184.0	197.3	180.9	163.6	151.1	158.2	166.0	159.7	152.7	153.5	140.1
5°	110.4	113.5	115.1	100.2	83.0	92.4	112.7	105.7	81.4	45.4	39.1
7.5°	106.5	101.8	100.2	111.2	101.0	67.3	52.5	47.8	63.4	75.9	79.9
10°	126.1	120.6	108.8	89.3	79.1	74.4	72.8	69.7	60.3	47.0	44.6
12.5°	144.8	138.6	127.6	118.2	104.9	87.7	76.7	73.6	79.1	88.5	88.5
15°	163.6	155.0	140.9	128.4	118.2	99.4	85.3	72.8	71.2	73.6	73.6
17.5°	176.9	167.5	151.1	133.9	115.9	97.9	81.4	68.9	63.4	61.9	61.9
20°	190.3	181.6	162.1	143.3	121.4	100.2	81.4	68.1	61.9	59.5	58.7
22.5°	207.5	196.5	174.6	154.2	127.6	101.8	80.6	68.9	61.9	57.9	57.2
25°	227.0	214.5	189.5	165.2	133.9	103.3	81.4	69.7	62.6	57.9	57.2
27.5°	242.7	229.4	205.1	177.7	141.7	107.3	84.6	71.2	63.4	58.7	57.9
30°	260.7	246.6	219.2	191.0	151.1	113.5	90.8	75.9	66.5	60.3	60.3
32.5°	288.1	269.3	238.8	203.6	160.5	120.6	97.9	81.4	69.7	65.0	65.0
35°	332.7	314.0	273.2	227.8	170.7	127.6	103.3	86.9	73.6	67.3	67.3
37.5°	404.0	375.8	330.4	267.8	187.1	133.1	109.6	90.8	75.9	67.3	65.8
40°	445.5	414.2	357.0	297.5	207.5	140.1	114.3	94.0	77.5	68.1	67.3
42.5°	491.7	455.7	382.1	305.3	220.8	156.6	121.4	97.1	79.1	70.5	68.9
45°	540.2	505.8	439.2	346.8	252.1	179.3	133.1	103.3	83.8	73.6	72.0
47.5°	628.7	586.4	500.3	405.6	298.3	215.3	158.9	113.5	89.3	76.7	75.2
50°	827.6	788.4	668.6	526.9	371.9	267.0	198.9	134.7	97.9	79.1	76.7
52.5°	1096.9	1027.2	891.8	714.0	519.1	374.2	265.4	181.6	111.2	81.4	77.5
55°	1488.3	1410.8	1210.4	978.7	710.9	543.3	401.6	273.2	158.2	83.8	76.7
57.5°	1877.5	1783.5	1615.2	1298.1	955.2	692.9	537.1	400.1	230.2	94.0	79.1
60°	2156.2	2041.9	1833.6	1543.1	1158.7	815.0	606.8	436.1	256.0	96.3	81.4
62.5°	2320.6	2177.3	1915.8	1569.0	1207.3	865.9	635.0	411.8	220.0	94.0	84.6
65°	*2350.3*	*2187.5*	*1915.8*	*1524.4*	*1157.2*	*821.3*	*613.8*	*380.5*	*173.8*	*90.0*	*86.9*
67.5°	2179.7	2027.8	1798.4	1399.9	1026.4	705.4	528.5	313.2	132.3	86.9	86.1
70°	1789.0	1674.7	1487.6	1143.9	833.0	573.9	420.4	241.1	107.3	83.0	81.4
72.5°	1396.0	1290.3	1150.1	897.2	644.3	454.9	321.0	188.7	95.5	79.9	79.1
75°	1098.4	1019.4	903.5	708.5	484.6	344.5	243.5	142.5	86.1	78.3	76.7
77.5°	898.8	847.1	727.3	541.0	361.7	256.0	181.6	113.5	82.2	76.7	75.9
80°	699.2	656.1	580.9	404.8	259.1	192.6	143.3	100.2	79.9	75.9	75.2
82.5°	498.7	483.8	420.4	314.7	216.1	165.2	129.2	96.3	79.1	75.2	74.4
85°	416.5	395.4	348.4	273.2	198.9	157.4	123.7	94.7	79.1	75.2	74.4
87.5°	402.4	383.6	340.6	260.7	187.1	148.0	118.2	91.6	77.5	73.6	73.6
90°	355.4	336.7	303.8	234.9	172.2	137.8	110.4	86.9	74.4	70.5	70.5
92.5°	314.7	303.8	272.5	215.3	165.2	132.3	106.5	84.6	72.8	69.7	68.9
95°	266.2	256.8	232.5	194.2	155.0	126.1	103.3	82.2	71.2	68.1	68.1
97.5°	220.8	213.0	194.2	164.4	133.9	112.0	93.2	77.5	68.9	66.5	66.5
100°	194.9	188.7	172.2	148.0	123.7	104.9	90.0	76.7	68.1	65.0	65.0
102.5°	184.8	178.5	162.1	140.1	117.4	100.2	87.7	75.2	67.3	64.2	63.4
105°	176.9	170.7	155.8	133.1	111.2	95.5	83.0	73.6	65.8	63.4	62.6
107.5°	169.1	162.1	148.0	125.3	105.7	90.8	79.9	71.2	65.0	62.6	62.6
110°	160.5	154.2	140.9	119.0	101.8	87.7	78.3	70.5	65.0	62.6	62.6

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

Scaled Data Report

REPORT NUMBER: P1045744
CATALOG NUMBER: FFX-CLB-70-727-U-FR-T5-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	151.1	144.8	132.3	112.7	97.9	85.3	76.7	69.7	65.0	62.6	62.6
115°	140.1	134.7	122.9	106.5	93.2	82.2	74.4	68.1	63.4	61.9	61.9
117.5°	137.0	130.7	119.0	104.1	91.6	79.9	72.8	66.5	62.6	61.1	61.1
120°	144.1	135.4	122.9	108.8	91.6	78.3	71.2	65.8	61.9	60.3	60.3
122.5°	153.5	146.4	132.3	106.5	88.5	76.7	69.7	65.0	61.1	60.3	60.3
125°	144.8	140.1	126.8	98.6	85.3	75.2	68.9	65.0	61.9	60.3	60.3
127.5°	126.8	122.1	112.0	94.0	82.2	73.6	68.1	65.0	62.6	60.3	60.3
130°	119.8	113.5	104.1	90.0	79.1	71.2	67.3	65.0	62.6	59.5	58.7
132.5°	122.9	117.4	102.6	84.6	74.4	68.1	65.0	63.4	58.7	55.6	54.8
135°	115.9	110.4	95.5	80.6	72.0	67.3	64.2	59.5	54.8	50.9	50.9
137.5°	103.3	97.1	88.5	77.5	71.2	68.9	65.0	58.7	52.5	49.3	49.3
140°	102.6	95.5	87.7	76.7	69.7	63.4	58.7	52.5	47.8	46.2	45.4
142.5°	104.1	99.4	88.5	75.9	66.5	58.7	53.2	48.5	45.4	43.1	43.1
145°	120.6	113.5	99.4	83.0	72.0	62.6	54.8	48.5	43.8	39.9	39.1
147.5°	124.5	117.4	104.9	90.8	76.7	65.0	54.0	46.2	39.9	36.8	36.0
150°	104.1	99.4	92.4	81.4	68.9	57.2	47.8	40.7	36.8	35.2	34.4
152.5°	79.1	77.5	72.8	65.0	56.4	48.5	42.3	38.4	36.0	35.2	34.4
155°	67.3	66.5	61.9	55.6	48.5	43.1	39.1	36.8	35.2	35.2	34.4
157.5°	62.6	61.1	57.2	50.9	44.6	41.5	37.6	36.0	35.2	35.2	35.2
160°	52.5	50.9	47.8	45.4	41.5	39.1	36.8	36.0	35.2	35.2	34.4
162.5°	47.0	45.4	43.8	41.5	40.7	39.9	39.1	37.6	36.8	36.0	36.0
165°	44.6	43.8	41.5	40.7	40.7	41.5	41.5	39.9	38.4	36.8	36.8
167.5°	43.8	43.1	41.5	40.7	42.3	43.1	43.8	42.3	40.7	38.4	37.6
170°	43.8	43.8	43.1	42.3	43.1	43.8	44.6	44.6	43.8	42.3	42.3
172.5°	43.8	44.6	43.8	43.8	43.8	43.8	43.8	45.4	45.4	44.6	44.6
175°	47.0	47.0	44.6	43.8	44.6	45.4	46.2	45.4	45.4	46.2	46.2
177.5°	43.1	44.6	47.8	48.5	50.1	50.1	48.5	47.8	45.4	44.6	44.6
180°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1

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

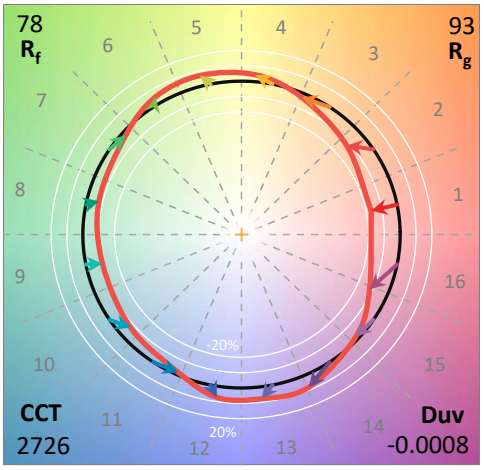
Test Information

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

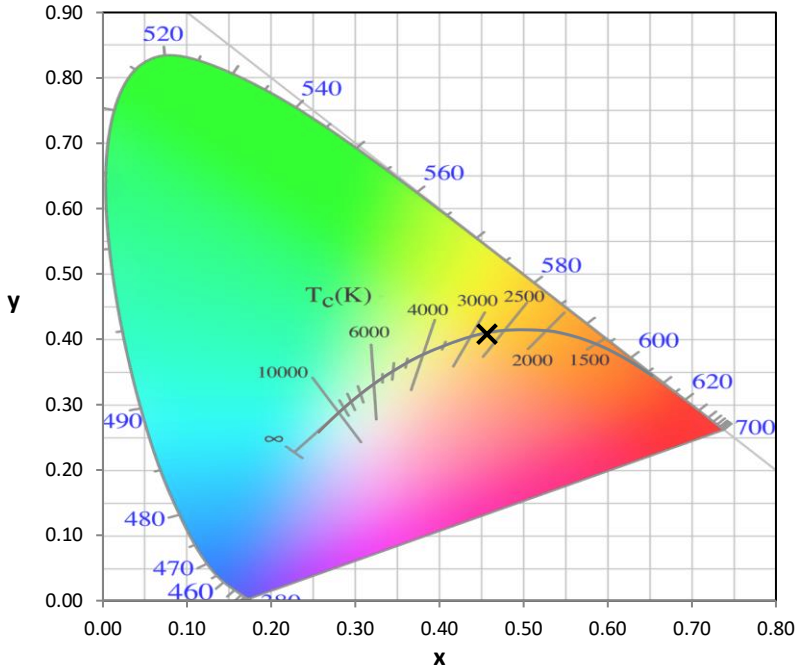
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

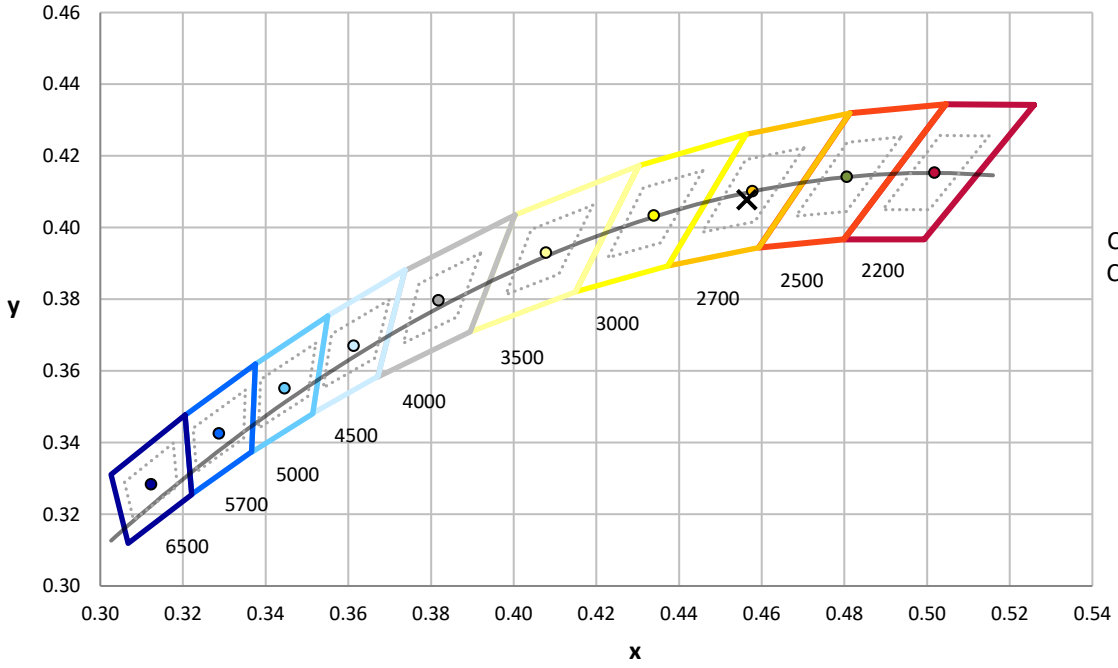
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

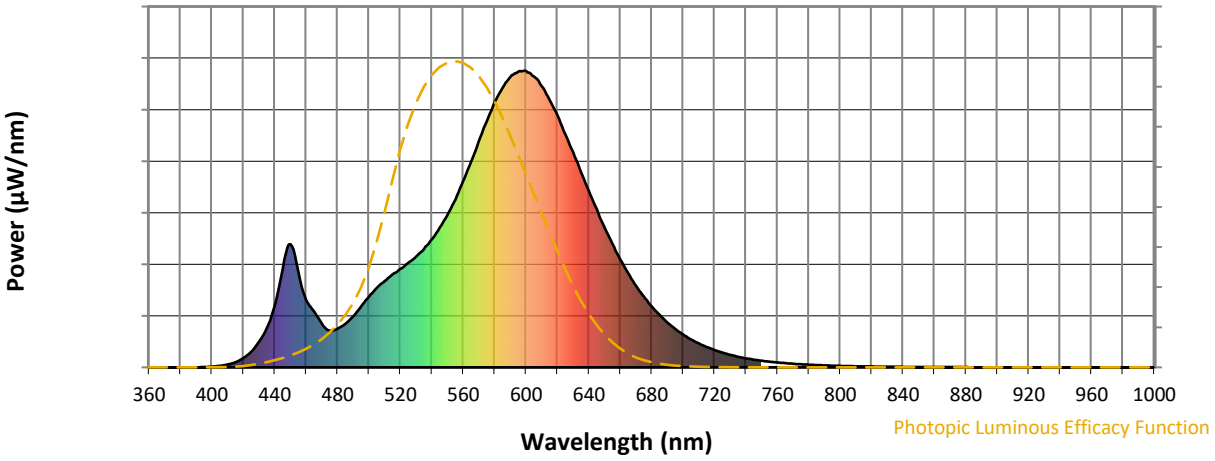


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

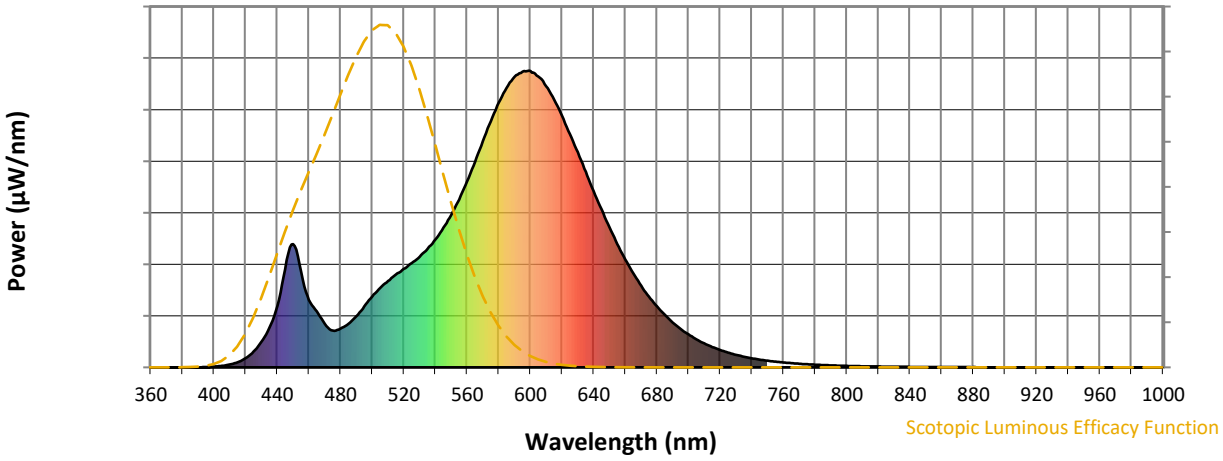


Photopic Lumens: NR

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

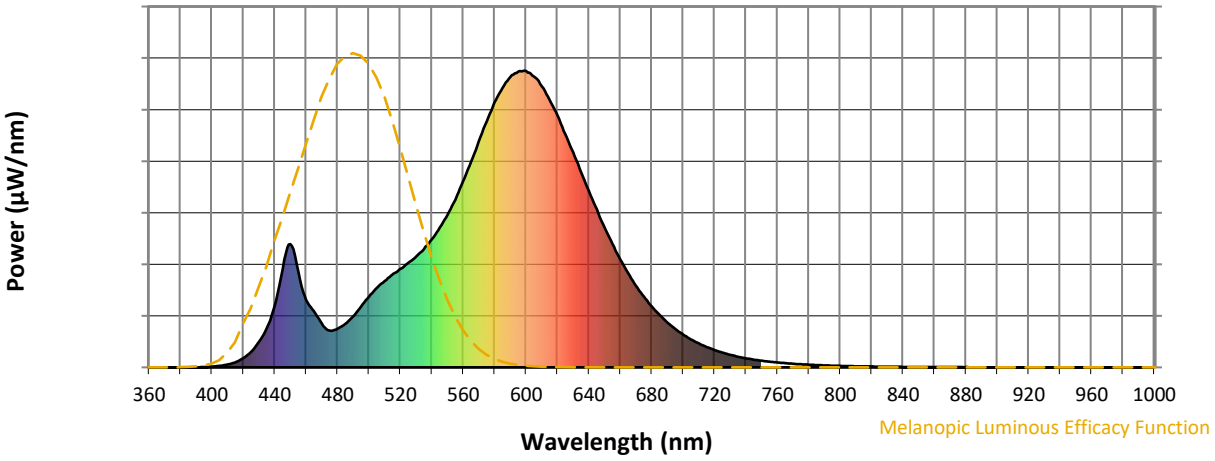


Scotopic Lumens: NR **S/P: 1.16**

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			

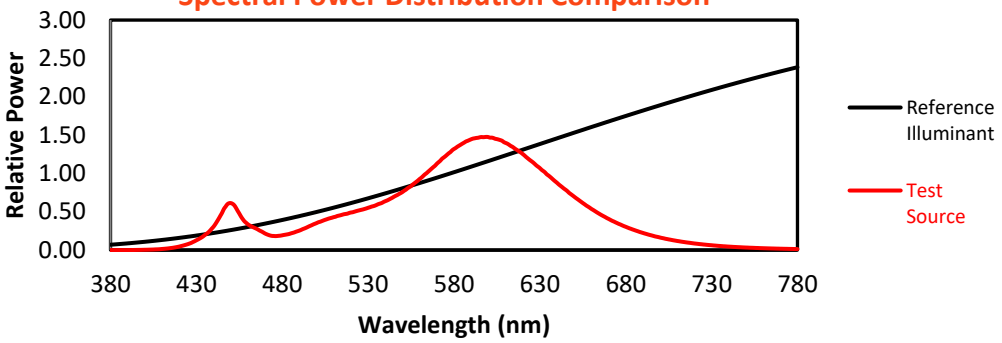
REPORT NUMBER: SP1-2501-332-3

TM-30-18

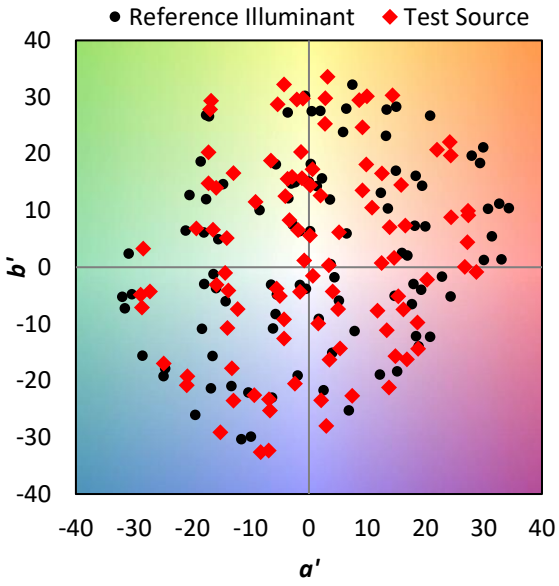
Summary

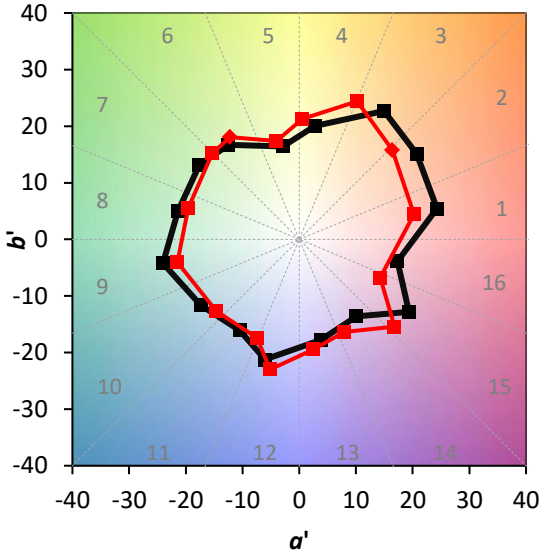
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

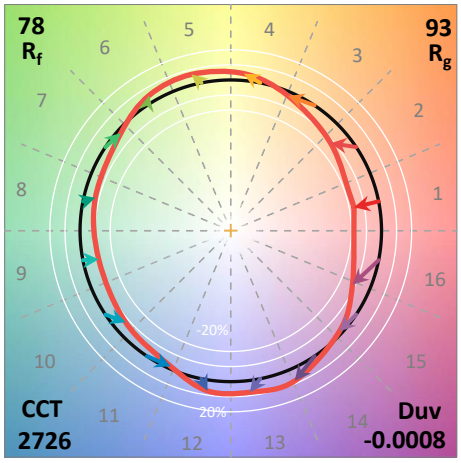
Spectral Power Distribution Comparison

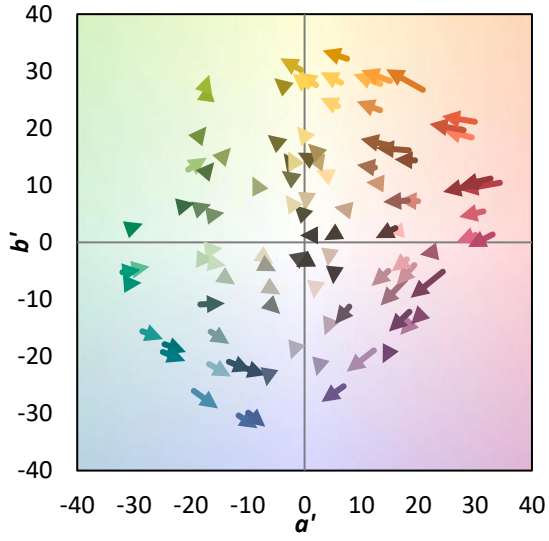


Color Vector Graphics







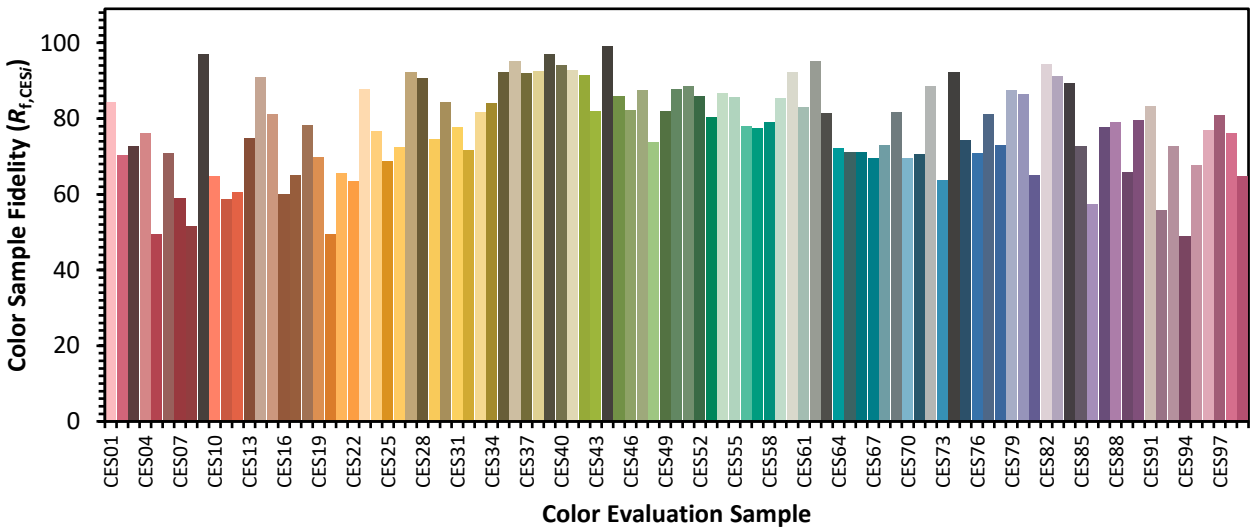


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

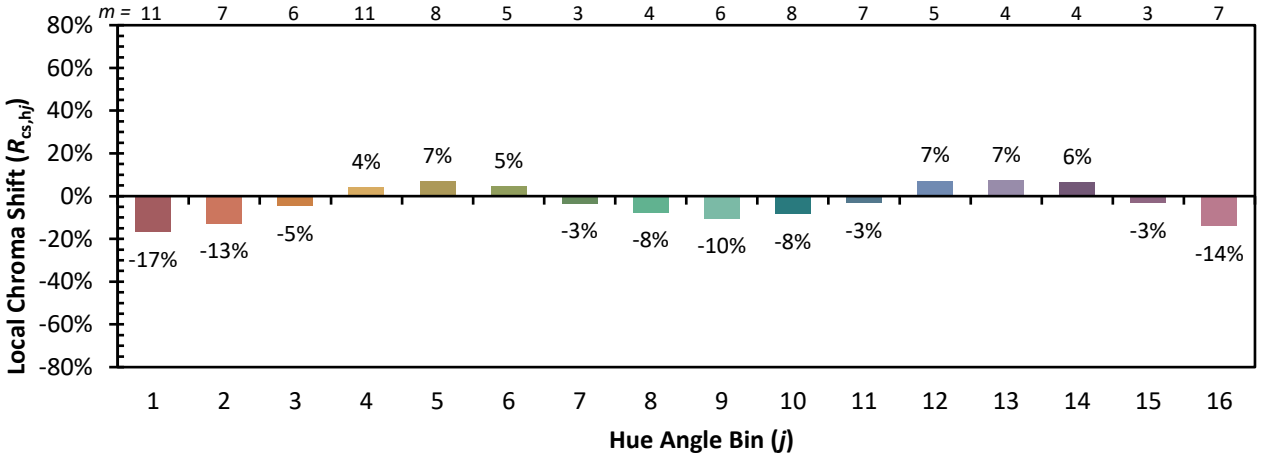
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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	

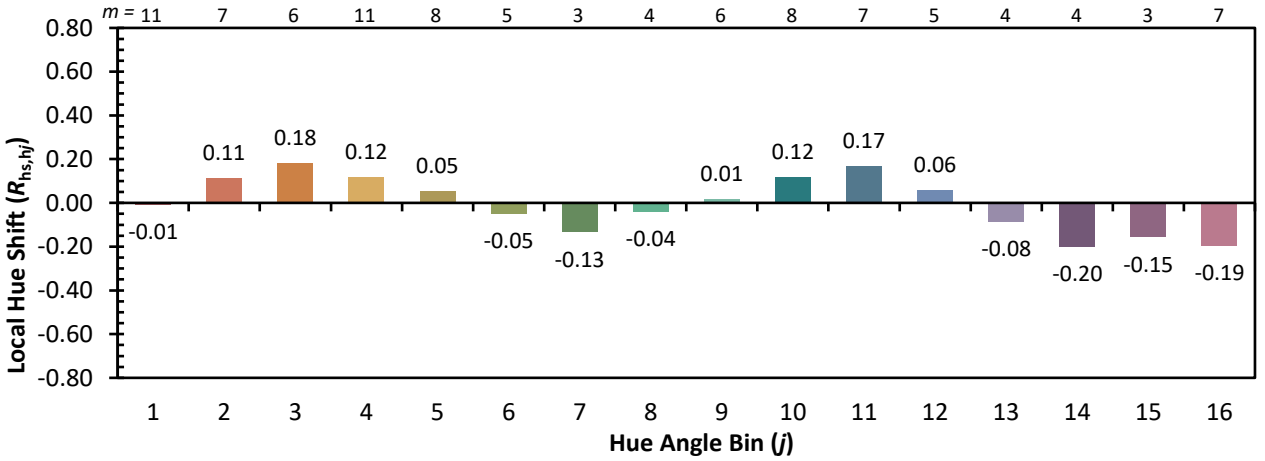


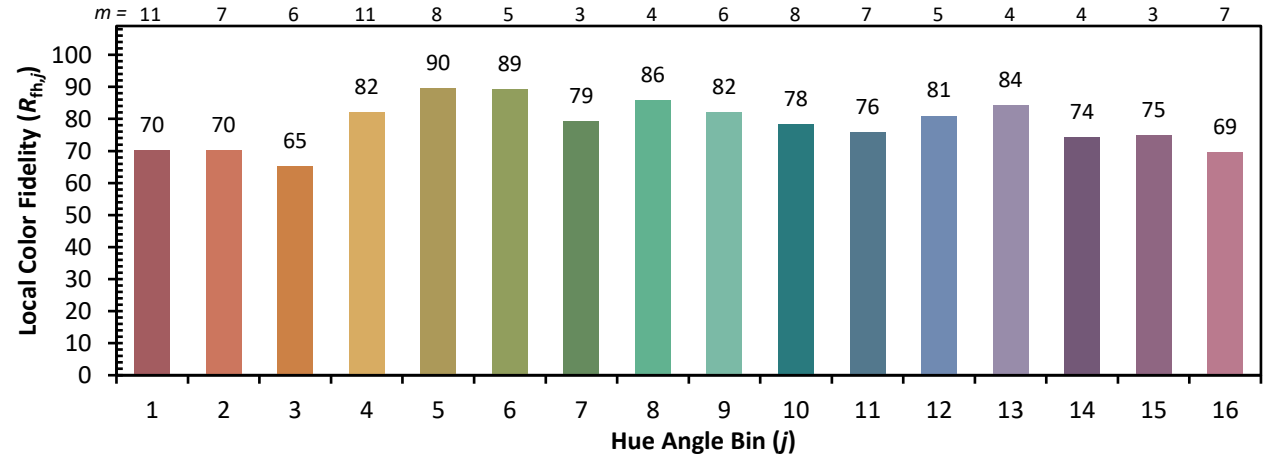
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Color Rendition by Hue-Angle Bin



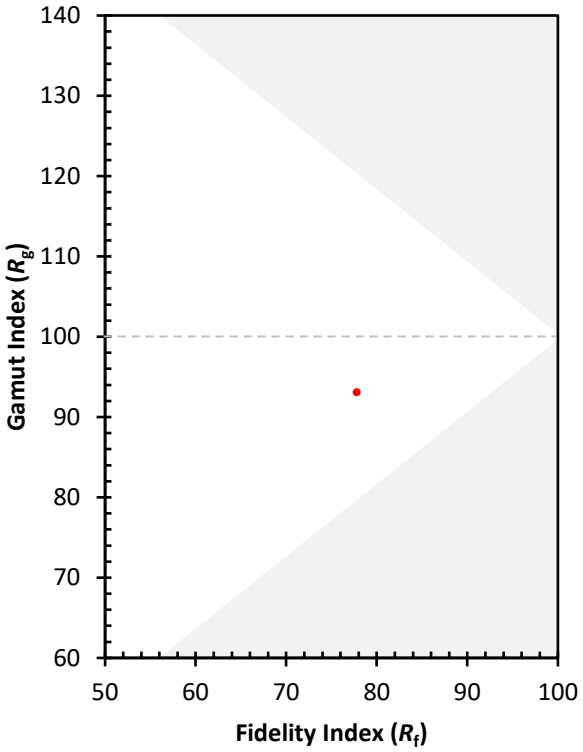


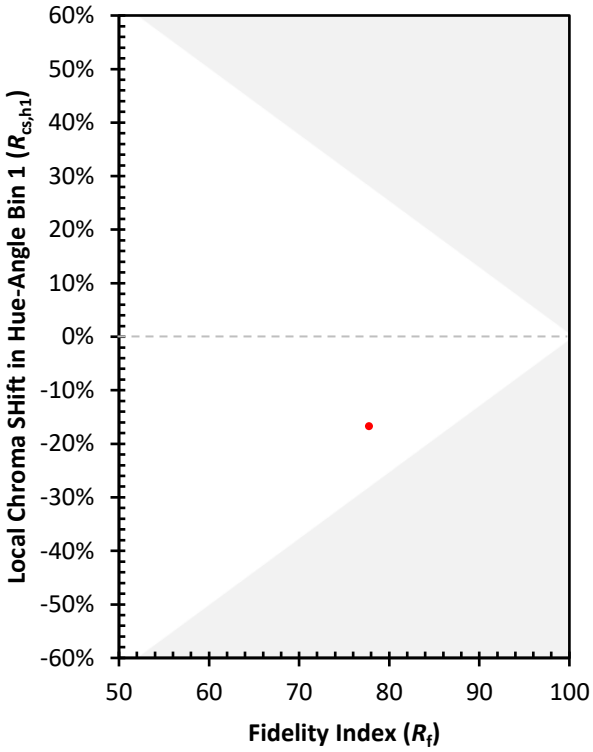


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Measure Comparisons





(END OF REPORT)