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: P1045928

Luminaire Tested: **FFX-CLB-30-727-U-FG-T5-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:	P1045928
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-727-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3287.3 lumens
Efficiency:	N/A
Efficacy:	107.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

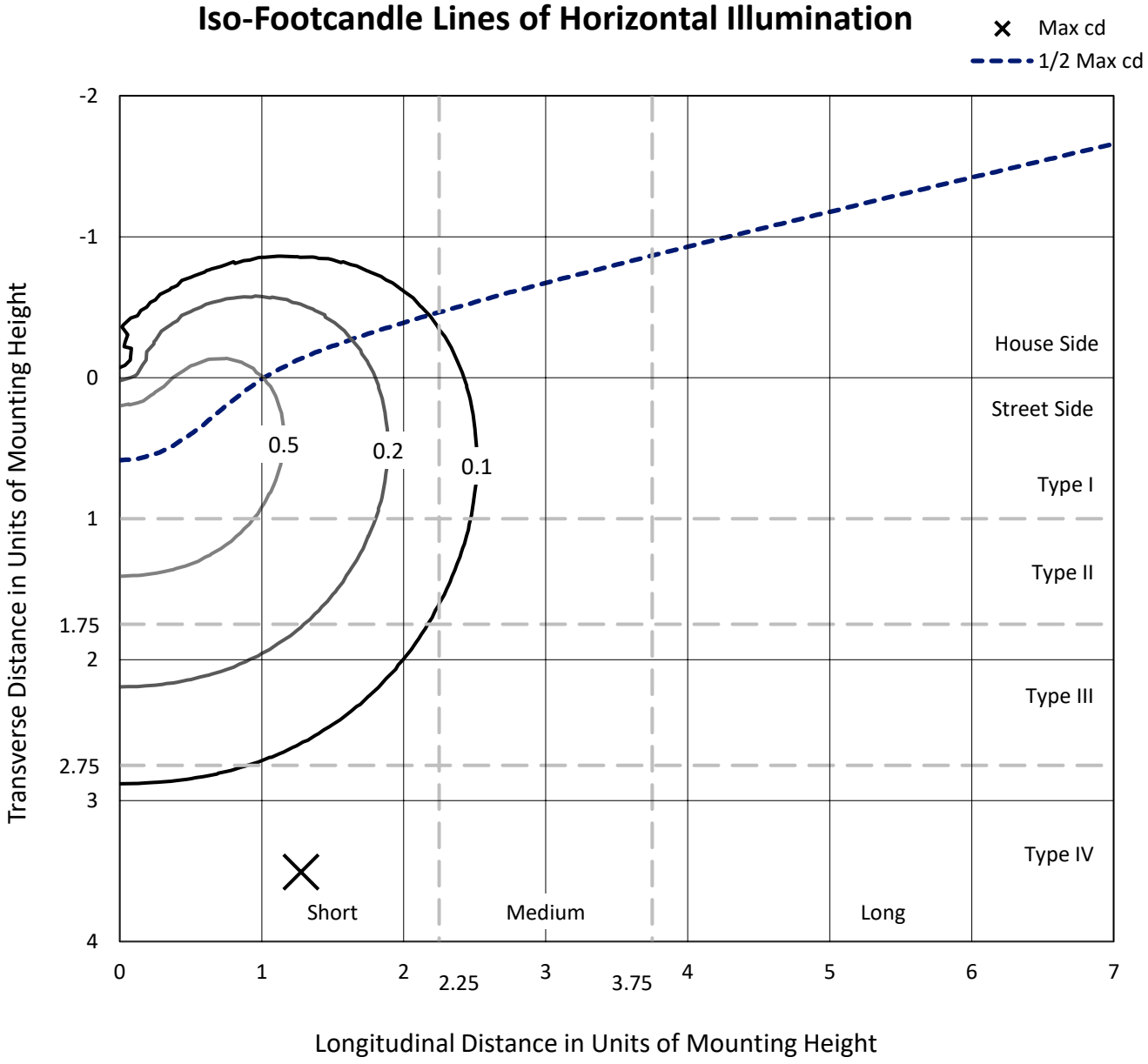


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Iso-Footcandle Lines of Horizontal Illumination



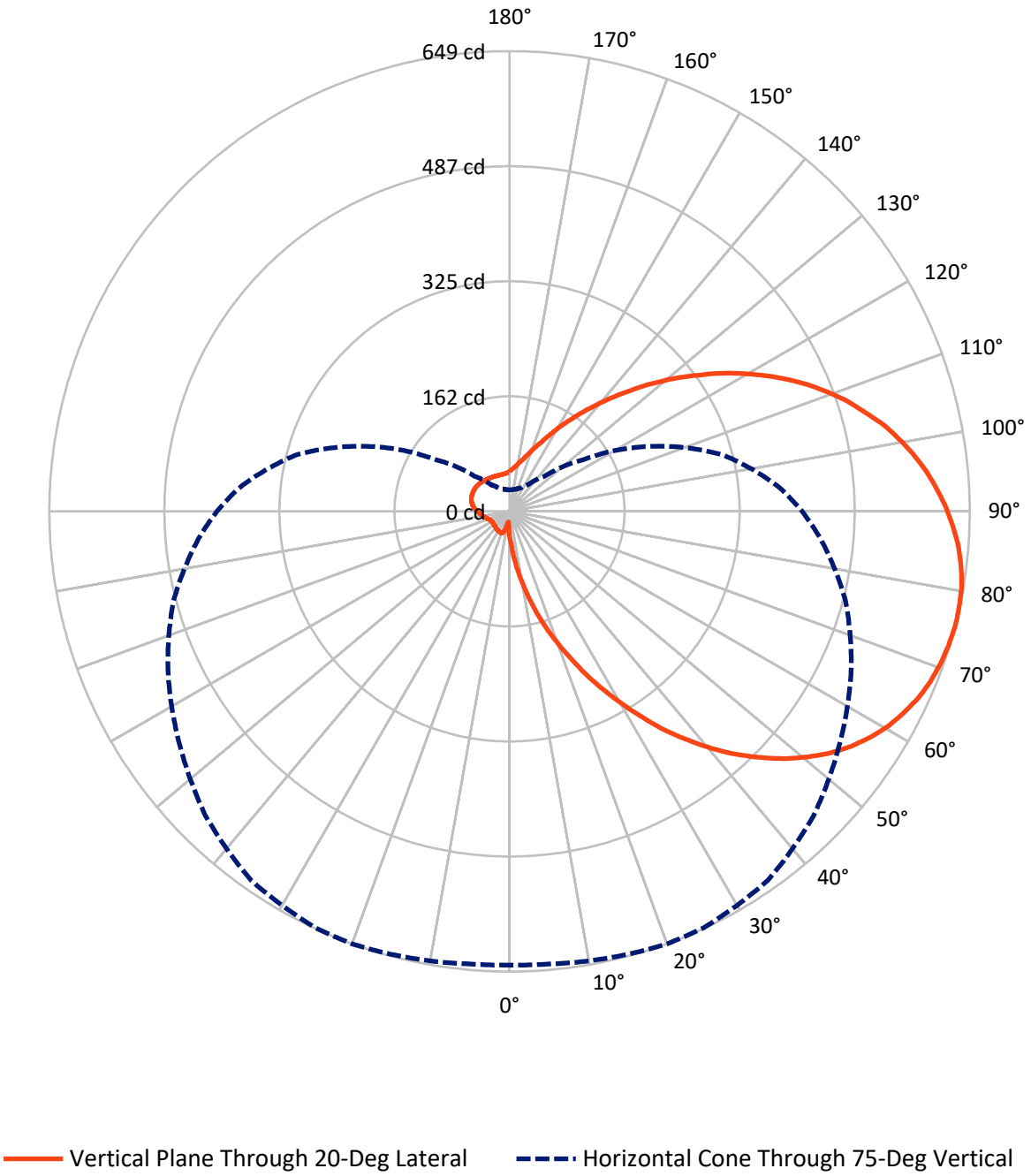
Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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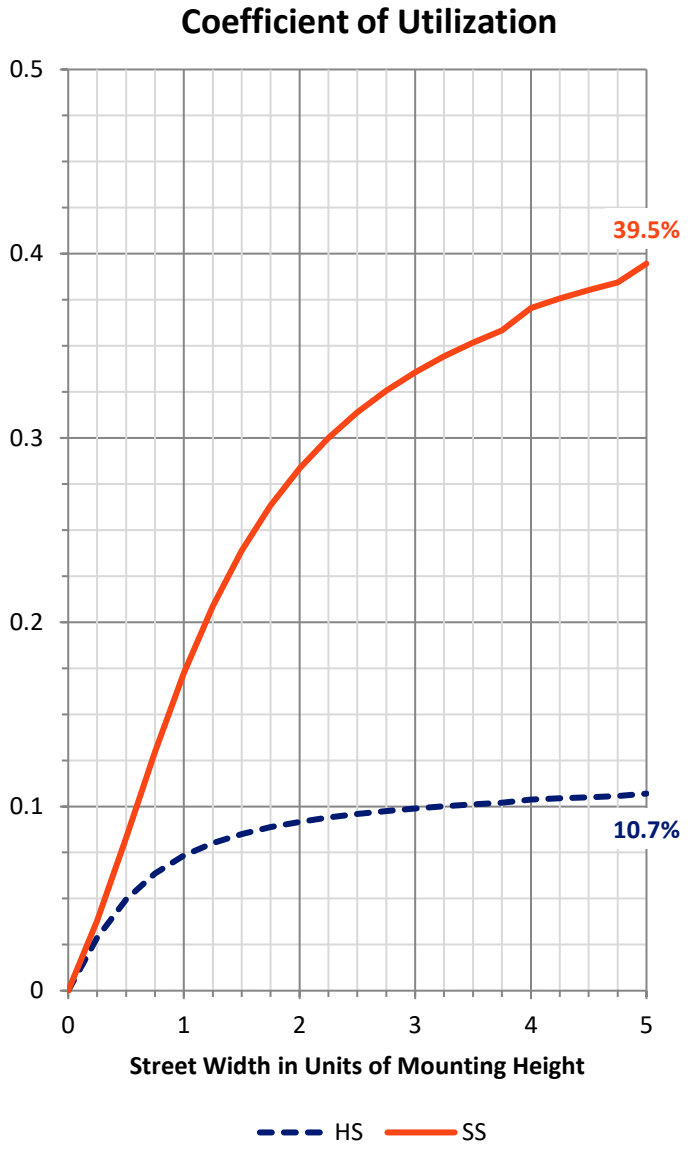
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	380.1	361.6	741.6
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	1492.4	1053.3	2545.7
	% Fixture	45.4	32.0	77.4
Total	Lumens	1872.4	1414.9	3287.3
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	27.4	0.8
20°-30°	72.7	2.2
30°-40°	140.3	4.3
40°-50°	219.8	6.7
50°-60°	293.8	8.9
60°-70°	348.2	10.6
70°-80°	379.4	11.5
80°-90°	386.2	11.7
90°-100°	366.2	11.1
100°-110°	323.8	9.9
110°-120°	263.0	8.0
120°-130°	193.5	5.9
130°-140°	128.3	3.9
140°-150°	75.6	2.3
150°-160°	40.0	1.2
160°-170°	18.8	0.6
170°-180°	5.5	0.2
0°-90°	1872.4	57.0
0°-180°	3287.3	100.0



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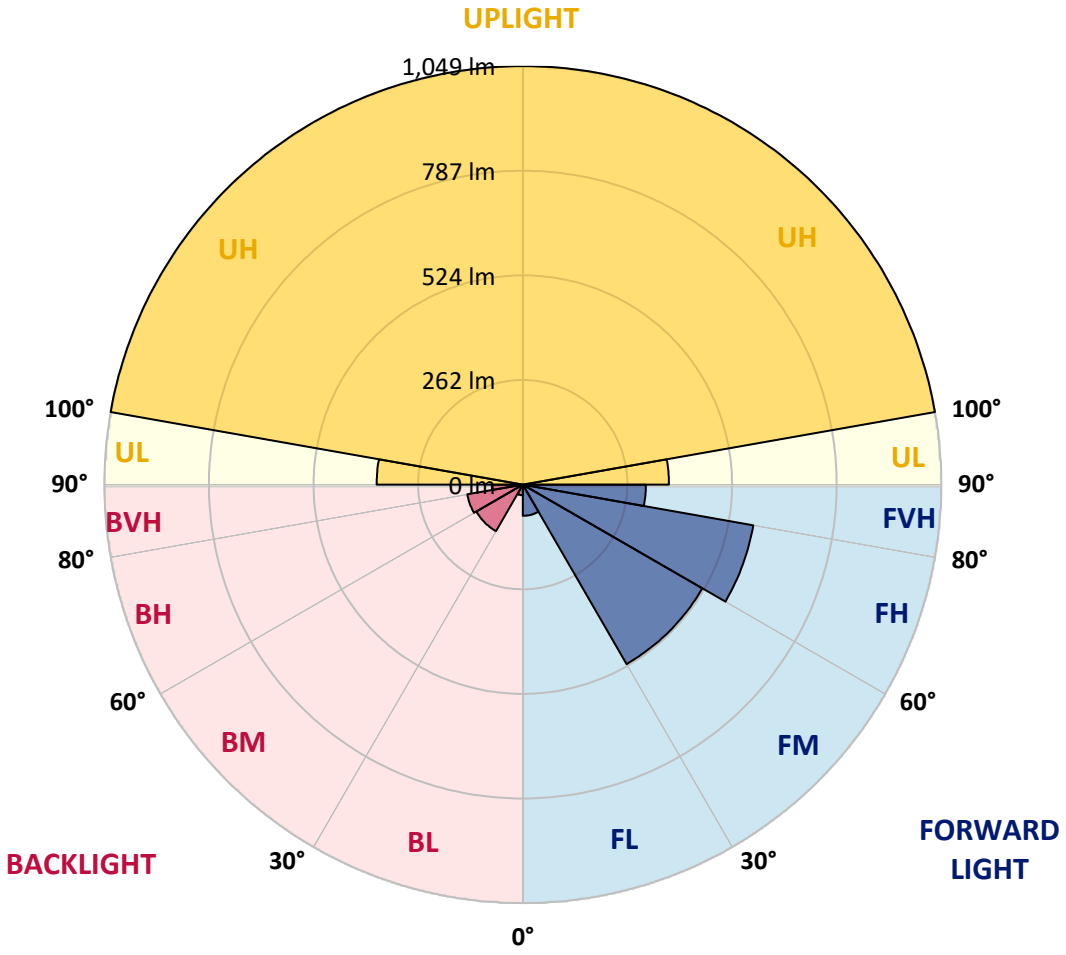
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	78.2	2.4			
FM	(30°-60°)	519.4	15.8			
FH	(60°-80°)	586.4	17.8			G0/660
FVH	(80°-90°)	308.4	9.4			G3/500
BL	(0°-30°)	26.5	0.8	B0/110		
BM	(30°-60°)	134.5	4.1	B0/220		
BH	(60°-80°)	141.1	4.3	B1/500		G1/500
BVH	(80°-90°)	77.8	2.4			G1/100
UL	(90°-100°)	366.2	11.1		U3/500	
UH	(100°-180°)	1048.7	31.9		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	37.7	37.7	37.7	*37.7*	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2.5°	45.9	45.9	46.3	*46.3*	46.6	45.9	44.9	44.2	43.2	40.8	38.7
5°	63.9	64.2	63.6	*63.9*	64.2	62.5	60.1	57.0	52.5	48.4	43.9
7.5°	85.7	86.7	85.0	*84.6*	83.6	80.8	77.4	72.5	67.7	62.2	55.6
10°	109.5	109.2	107.1	*104.7*	104.0	100.5	96.0	91.5	84.3	77.4	70.5
12.5°	131.9	131.6	129.9	*128.1*	127.1	122.6	117.1	111.9	104.3	95.3	86.7
15°	155.4	155.8	154.1	*153.0*	150.9	146.5	142.0	134.4	126.8	116.4	106.0
17.5°	178.9	179.6	177.9	*177.2*	175.5	171.7	165.8	157.9	148.2	136.1	123.0
20°	204.8	205.5	204.5	*202.1*	200.0	195.9	190.7	180.7	169.9	157.5	140.6
22.5°	232.5	232.8	229.7	*229.0*	226.9	223.1	215.5	206.6	194.5	178.6	161.0
25°	259.8	259.8	259.1	*258.4*	255.3	250.8	243.2	232.1	218.6	201.7	181.0
27.5°	289.1	289.5	287.7	*287.0*	284.6	278.8	270.8	258.7	244.9	224.5	201.0
30°	320.2	319.9	318.1	*316.7*	315.7	309.8	300.9	288.4	271.2	247.7	223.8
32.5°	351.3	350.3	349.2	*347.8*	347.5	339.9	332.6	317.4	299.5	274.6	245.9
35°	383.1	380.6	380.0	*380.3*	378.6	372.4	361.7	346.8	326.1	300.2	267.7
37.5°	410.7	412.8	411.0	*409.7*	410.0	403.1	391.7	375.1	353.4	324.7	289.8
40°	441.4	440.1	440.1	*440.1*	439.0	432.8	420.7	402.4	377.5	347.1	309.1
42.5°	468.0	468.0	469.8	*468.7*	467.7	460.4	447.3	426.9	400.7	367.9	327.8
45°	495.3	494.6	496.7	*495.3*	494.6	487.0	473.2	452.2	424.5	388.6	346.5
47.5°	520.5	520.9	521.6	*521.6*	520.9	512.3	497.7	472.9	444.9	406.6	362.3
50°	542.3	544.0	546.1	*544.7*	545.4	536.1	519.9	494.6	462.2	423.5	376.5
52.5°	563.7	563.7	566.5	*566.5*	565.8	556.8	538.5	511.9	479.8	438.7	389.6
55°	582.0	582.4	584.8	*585.1*	584.8	574.4	555.1	526.4	492.9	451.5	400.3
57.5°	595.8	596.9	600.0	*601.0*	599.6	590.3	568.6	539.5	504.0	461.5	409.7
60°	608.3	609.7	613.1	*614.5*	613.5	603.4	580.6	549.6	512.9	470.1	417.6
62.5°	619.3	619.7	624.2	*624.9*	624.5	613.8	589.6	557.2	520.2	476.7	424.5
65°	627.3	628.3	633.1	*634.2*	633.5	622.1	596.9	563.4	526.1	482.2	429.7
67.5°	633.5	634.2	639.0	*640.7*	640.1	628.0	602.1	567.2	529.5	486.0	433.8
70°	636.9	638.0	643.5	*644.9*	644.2	632.1	605.2	568.9	531.6	488.8	436.6
72.5°	639.0	640.1	645.9	*647.7*	647.3	634.5	606.6	569.6	532.3	490.1	438.7
75°	*640.1*	*641.1*	*647.0*	*649.4*	*648.3*	*635.6*	*606.9*	*569.2*	*531.9*	*491.2*	*440.4*
76°	640.1	640.7	647.0	*649.4*	648.3	635.6	606.9	568.6	531.6	491.5	441.1
77.5°	639.4	640.4	646.6	*648.7*	648.0	635.2	605.9	567.2	530.6	490.8	441.4
80°	637.6	638.7	644.5	*647.0*	645.9	632.8	603.4	564.4	527.8	489.5	441.4
82.5°	633.8	634.9	640.4	*642.1*	641.8	628.7	599.0	559.6	523.7	487.0	440.8
85°	628.0	629.0	633.5	*635.6*	634.5	622.1	592.4	553.0	518.5	483.2	438.7
87.5°	620.0	620.7	625.6	*626.2*	625.9	613.5	584.1	544.7	511.6	478.1	435.2
90°	610.4	611.0	614.8	*615.9*	614.8	603.1	573.4	535.7	502.9	471.8	431.1
92.5°	600.3	600.0	602.8	*603.8*	602.8	591.0	562.3	525.0	493.9	464.9	425.9
95°	588.6	589.3	590.0	*590.7*	589.3	577.9	549.9	513.3	484.3	457.3	421.1
97.5°	575.5	575.1	575.8	*575.8*	574.4	563.0	535.7	501.9	473.2	449.0	414.5
100°	561.6	561.3	560.6	*559.2*	557.8	546.8	521.6	487.7	461.8	439.0	407.9
102.5°	546.5	544.4	542.3	*542.0*	538.9	529.5	505.3	474.3	449.7	429.7	399.6
105°	527.8	527.1	524.0	*521.2*	519.5	509.1	487.0	459.4	437.0	418.3	390.7
107.5°	508.8	507.4	502.9	*501.9*	498.4	489.1	469.1	444.6	424.2	406.9	380.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	488.4	487.7	482.9	*479.8*	477.0	466.7	449.4	428.7	410.0	394.1	367.9
112.5°	465.6	464.9	459.8	*457.3*	453.2	445.2	429.0	410.4	394.5	380.0	354.7
115°	442.5	442.1	436.3	*433.2*	429.4	419.7	406.6	392.0	377.9	363.4	338.9
117.5°	419.3	417.6	411.7	*407.9*	404.1	395.5	384.8	373.4	360.3	346.8	322.6
120°	393.1	392.7	386.2	*383.1*	379.6	371.7	362.3	351.6	341.3	327.8	306.4
122.5°	367.9	367.5	361.7	*357.9*	353.4	347.1	339.5	331.3	321.9	308.8	287.7
125°	342.3	341.6	335.4	*331.6*	327.8	322.6	315.4	309.5	301.9	289.5	269.4
127.5°	316.4	315.0	311.2	*307.4*	303.3	296.7	294.3	289.1	280.8	268.7	251.1
130°	292.2	291.5	286.4	*282.9*	278.8	273.6	271.5	267.4	261.5	250.4	233.8
132.5°	267.0	266.3	263.2	*259.8*	256.3	251.1	250.1	246.3	240.4	231.4	215.9
135°	244.6	243.9	240.4	*236.6*	234.9	231.1	229.7	226.6	221.1	212.1	198.6
137.5°	222.8	222.4	219.0	*215.9*	213.8	211.0	209.7	206.9	202.8	194.8	182.4
140°	203.1	201.4	198.6	*195.9*	193.8	191.0	190.3	187.9	184.8	177.2	168.2
142.5°	183.4	182.4	180.3	*177.9*	176.5	173.4	171.7	170.6	166.5	160.6	153.4
145°	164.1	164.1	162.3	*160.6*	158.5	156.5	155.1	154.1	150.6	145.4	138.5
147.5°	147.8	147.8	146.5	*145.8*	144.0	141.3	140.2	139.2	136.1	131.9	126.4
150°	134.0	133.3	132.3	*131.3*	129.9	127.5	125.7	124.7	122.3	119.2	114.0
152.5°	120.2	120.2	119.5	*118.1*	117.1	115.4	114.0	112.6	110.9	107.4	103.3
155°	108.5	108.5	107.4	*106.7*	106.0	104.7	103.3	101.9	99.8	97.1	94.0
157.5°	98.8	98.8	98.1	*97.8*	96.4	95.7	94.3	92.9	90.8	88.4	85.7
160°	89.8	90.2	89.8	*89.5*	88.4	87.4	86.0	84.6	82.9	80.8	78.8
162.5°	82.6	82.9	82.2	*81.9*	81.2	80.1	78.8	78.1	76.7	74.3	72.2
165°	76.3	76.3	76.0	*75.6*	75.3	73.9	73.2	72.5	71.2	69.4	67.7
167.5°	71.5	71.5	71.2	*71.2*	70.5	69.8	68.7	68.0	66.7	65.6	63.6
170°	67.4	67.4	67.0	*66.7*	66.3	65.6	64.9	63.9	63.2	61.8	60.8
172.5°	63.9	63.9	63.6	*63.2*	63.2	62.2	61.8	61.1	60.4	59.4	58.4
175°	61.1	60.8	60.8	*60.4*	60.1	59.4	59.1	58.7	58.0	57.7	57.0
177.5°	58.7	58.7	58.4	*58.4*	58.0	57.3	57.3	57.0	56.6	56.3	56.0
180°	55.6	55.6	55.6	*55.6*	55.6	55.6	55.6	55.6	55.6	55.6	55.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2.5°	37.7	36.6	33.9	31.4	29.7	27.3	25.2	24.5	24.2	23.8	23.8
5°	41.5	39.4	34.5	30.1	25.9	22.5	19.3	16.2	13.8	12.4	11.7
7.5°	52.2	49.7	43.2	37.3	31.4	26.3	21.1	17.3	13.8	11.7	11.7
10°	66.3	62.9	54.6	46.3	39.0	31.4	25.2	20.0	16.9	15.2	15.2
12.5°	81.2	76.7	67.0	56.3	46.3	37.7	30.1	24.5	21.1	19.7	19.7
15°	98.8	92.9	80.5	67.0	54.9	44.6	35.9	29.7	25.6	23.8	23.5
17.5°	115.7	108.1	93.3	78.1	63.6	51.1	41.1	33.2	28.7	26.3	25.9
20°	133.7	124.4	106.7	88.1	71.5	56.3	44.2	35.6	29.7	26.9	26.6
22.5°	150.3	140.2	119.2	97.4	77.7	60.1	45.9	35.9	29.4	26.3	25.9
25°	169.3	157.9	133.0	107.4	84.3	63.2	47.3	35.9	29.0	25.6	25.2
27.5°	188.6	175.1	147.1	117.4	90.2	66.7	48.4	35.9	28.3	24.9	24.5
30°	209.0	194.1	160.6	127.8	96.4	69.4	49.4	35.6	28.0	24.2	23.8
32.5°	229.7	212.4	175.5	137.8	102.6	72.2	50.1	35.6	27.3	23.8	23.1
35°	250.8	230.7	190.3	148.2	108.1	74.6	50.4	35.2	26.9	23.1	22.8
37.5°	269.4	248.7	204.1	157.5	113.3	76.3	50.8	34.9	26.6	22.8	22.5
40°	288.4	266.0	217.3	165.8	117.1	77.4	50.4	34.5	25.9	22.5	22.1
42.5°	305.7	281.5	229.4	173.7	120.6	78.4	50.1	33.9	25.6	22.1	21.8
45°	322.3	296.7	240.8	180.7	123.7	78.8	49.4	33.5	25.2	22.1	21.8
47.5°	337.5	309.8	251.8	187.2	126.4	78.8	49.0	32.8	25.2	22.1	21.8
50°	350.3	323.0	260.8	193.1	128.1	78.4	48.4	32.5	25.2	22.1	21.8
52.5°	362.7	333.7	269.8	197.6	129.2	77.7	47.3	32.1	25.2	22.5	22.1
55°	372.7	343.3	277.4	202.4	130.2	77.0	46.6	31.8	25.2	22.5	22.5
57.5°	381.3	351.3	283.2	205.5	130.2	75.6	45.9	31.8	25.6	23.1	22.8
60°	389.6	358.5	289.5	208.3	130.2	74.6	45.2	31.8	25.9	23.5	23.1
62.5°	395.2	364.4	294.3	210.7	129.5	73.6	44.6	31.8	26.3	24.2	23.8
65°	400.7	369.9	298.8	212.8	129.2	72.5	44.6	32.1	26.9	25.2	24.9
67.5°	404.8	374.4	301.9	214.2	128.5	71.5	44.2	32.8	28.0	26.3	25.9
70°	408.3	377.9	305.7	215.2	127.8	70.8	44.6	33.9	29.0	27.3	27.3
72.5°	411.0	381.0	307.8	216.2	127.1	70.5	45.2	34.9	30.7	29.0	28.7
75°	*412.8*	*382.7*	*309.8*	*216.6*	*126.4*	*70.1*	*45.9*	*36.3*	*32.1*	*30.7*	*30.4*
76°	413.1	383.4	310.5	216.9	126.1	70.1	46.3	36.6	32.8	31.4	31.1
77.5°	414.2	384.4	311.2	216.9	125.7	70.1	47.0	37.7	33.9	32.5	32.5
80°	414.8	385.1	312.3	217.3	125.0	70.1	48.0	39.4	35.9	34.5	34.2
82.5°	414.5	385.5	312.6	216.6	124.7	70.5	49.4	41.1	38.0	36.6	36.3
85°	413.1	384.4	311.9	215.5	123.7	71.2	50.8	43.2	39.7	38.3	38.3
87.5°	410.7	382.0	310.2	214.2	123.0	71.5	52.2	44.9	41.8	40.4	40.4
90°	407.2	379.3	308.1	212.8	121.9	71.8	53.9	46.6	43.9	42.8	42.5
92.5°	403.1	375.8	305.3	210.7	121.2	72.5	55.3	48.7	45.9	44.6	44.6
95°	399.0	372.0	302.2	208.3	120.6	73.6	56.6	50.4	47.7	46.6	46.6
97.5°	393.1	366.8	298.1	205.5	119.5	73.9	58.4	52.2	49.7	48.4	48.4
100°	385.8	361.0	293.3	202.8	118.8	75.0	59.8	53.9	51.5	50.4	50.1
102.5°	378.6	354.1	288.1	199.7	117.8	75.3	61.1	55.6	52.8	51.8	51.8
105°	370.3	346.5	281.5	195.5	116.8	76.0	62.2	56.6	54.2	53.2	52.8
107.5°	360.6	336.8	275.0	191.7	115.7	76.7	63.2	57.7	55.3	54.2	53.9

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

Scaled Data Report

REPORT NUMBER: P1045928
CATALOG NUMBER: FFX-CLB-30-727-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	349.6	327.8	267.0	187.6	115.0	77.7	64.2	58.4	56.0	54.6	54.6
112.5°	336.8	315.0	258.4	182.7	115.0	79.1	64.9	59.1	56.3	54.9	54.9
115°	321.6	301.5	248.0	178.2	114.7	80.5	66.3	59.4	56.3	55.3	54.9
117.5°	306.7	287.4	237.6	173.7	115.7	82.9	67.7	60.1	56.3	54.9	54.9
120°	290.2	272.5	226.9	169.3	117.1	85.3	69.4	60.4	56.3	54.6	54.6
122.5°	272.9	256.6	216.6	165.1	118.1	88.1	70.8	61.1	56.0	54.2	53.9
125°	256.6	240.4	204.8	161.0	119.2	90.5	72.5	61.5	55.6	53.5	53.2
127.5°	238.7	226.2	194.5	156.5	119.9	92.6	73.9	61.8	55.3	52.8	52.5
130°	223.1	211.0	184.1	151.6	119.2	93.3	74.3	61.5	54.6	52.2	52.2
132.5°	205.9	196.2	172.7	145.4	117.4	93.3	74.6	61.5	54.2	51.8	51.5
135°	190.7	181.7	162.0	138.5	114.3	91.9	73.9	61.1	53.9	51.5	51.1
137.5°	176.5	167.9	150.6	131.3	109.8	89.5	72.5	60.4	53.5	51.1	50.8
140°	161.3	155.1	140.2	123.3	105.0	86.7	70.8	59.8	53.5	51.1	50.8
142.5°	147.5	142.3	128.8	114.7	98.8	82.6	68.7	58.7	53.2	51.1	50.8
145°	135.1	129.2	118.8	106.0	92.6	78.8	66.7	58.0	52.8	51.1	50.8
147.5°	123.0	117.8	109.2	98.1	87.0	75.0	64.6	57.0	52.8	51.1	50.8
150°	110.9	107.4	99.8	90.8	80.8	71.2	62.5	56.3	52.8	51.5	51.1
152.5°	100.5	98.1	91.5	84.3	75.6	67.4	60.4	55.6	52.8	51.5	51.5
155°	91.9	89.5	83.9	77.4	71.2	64.2	59.1	54.9	52.8	51.8	51.5
157.5°	83.2	81.5	77.0	72.2	67.0	61.8	57.7	54.6	52.8	51.8	51.8
160°	76.7	75.0	71.5	67.7	63.6	59.8	56.3	53.9	52.8	52.2	52.2
162.5°	71.2	69.8	67.0	63.9	60.8	57.7	55.3	53.5	52.8	52.2	52.2
165°	66.7	65.6	63.2	60.8	58.7	56.3	54.6	53.5	52.8	52.5	52.5
167.5°	62.9	62.2	60.4	58.7	57.0	55.3	53.9	53.2	52.8	52.8	52.8
170°	60.1	59.4	58.4	57.0	55.6	54.6	53.5	53.2	53.2	52.8	53.2
172.5°	58.0	57.7	56.6	55.6	54.9	53.9	53.5	53.2	53.5	53.5	53.5
175°	56.6	56.3	55.6	54.9	54.6	53.9	53.9	53.5	53.9	54.2	54.2
177.5°	55.6	55.3	54.9	54.9	54.6	54.2	54.2	54.6	54.9	54.9	54.9
180°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6

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

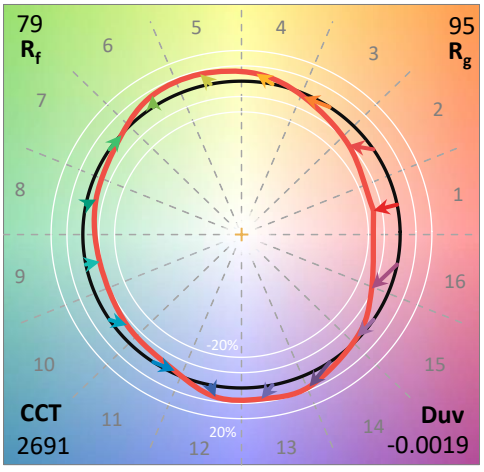
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

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

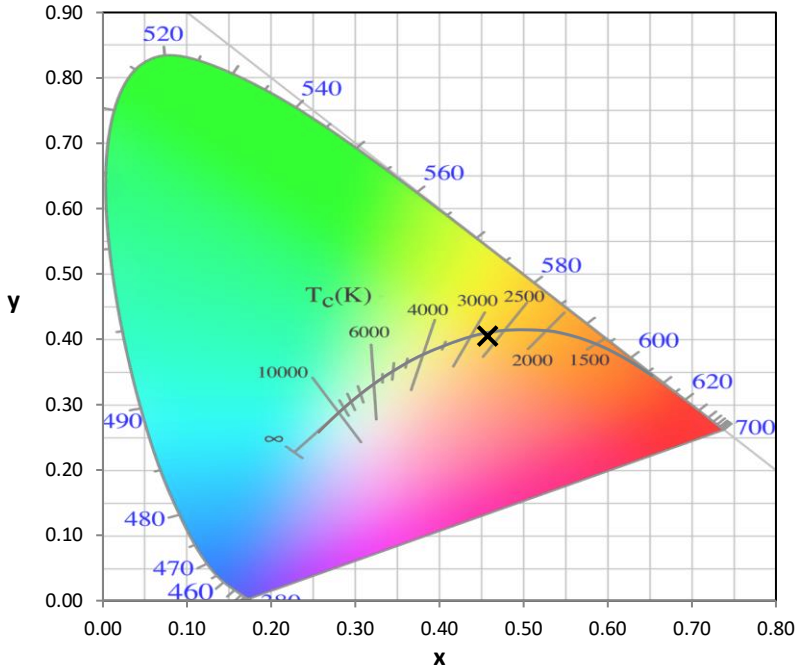
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

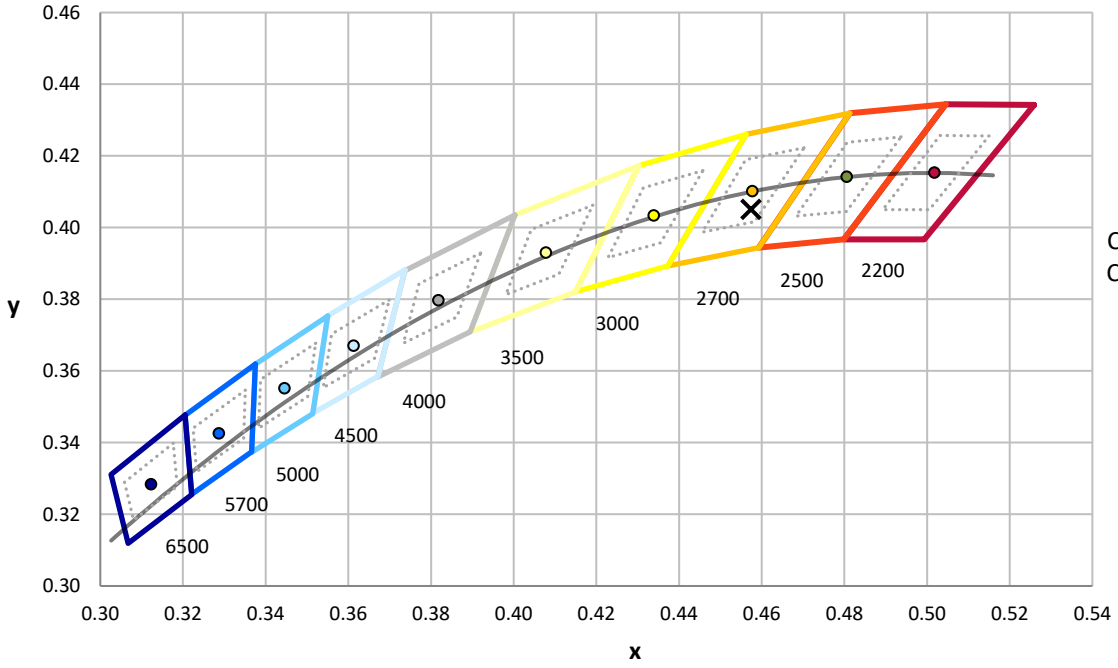
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

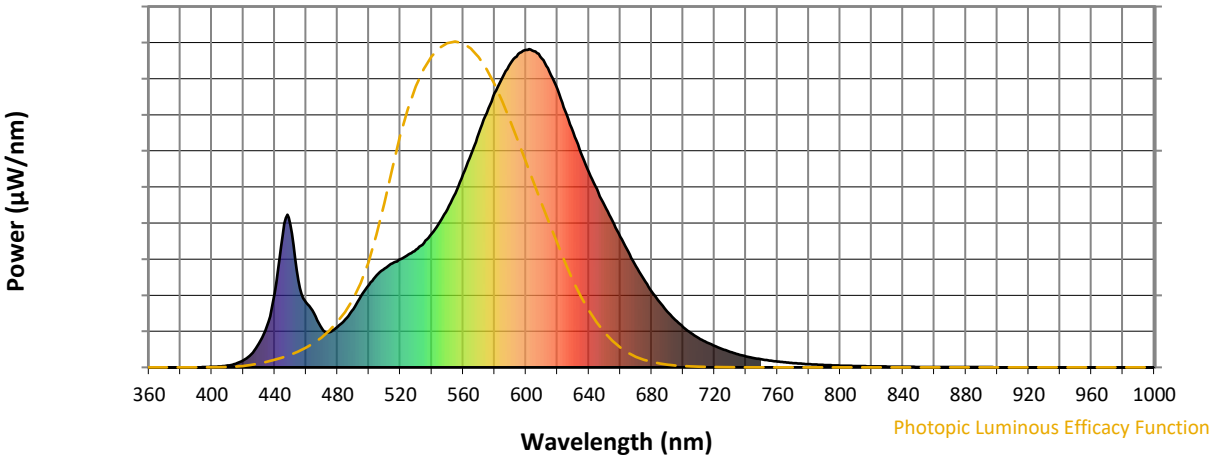


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

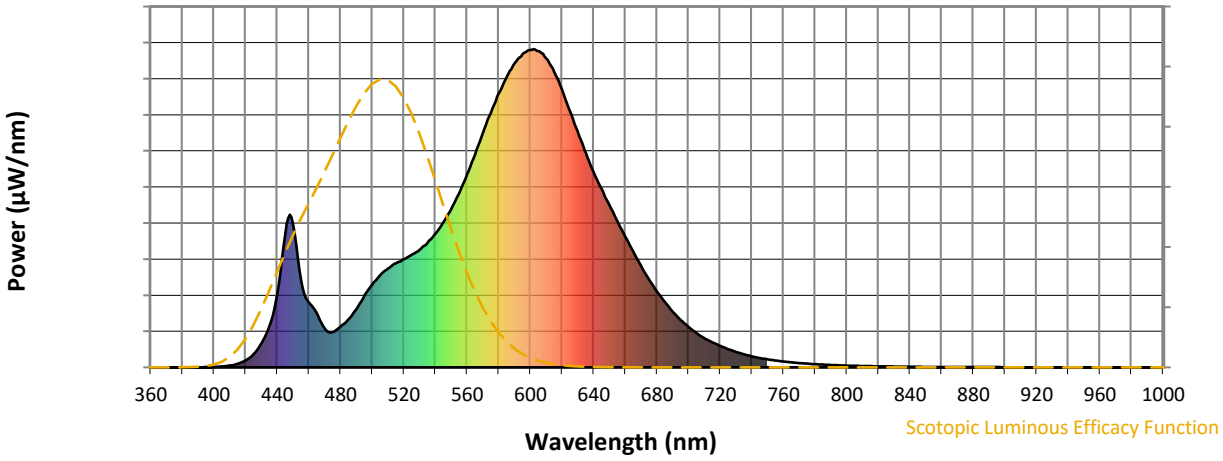


Photopic Lumens: NR

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

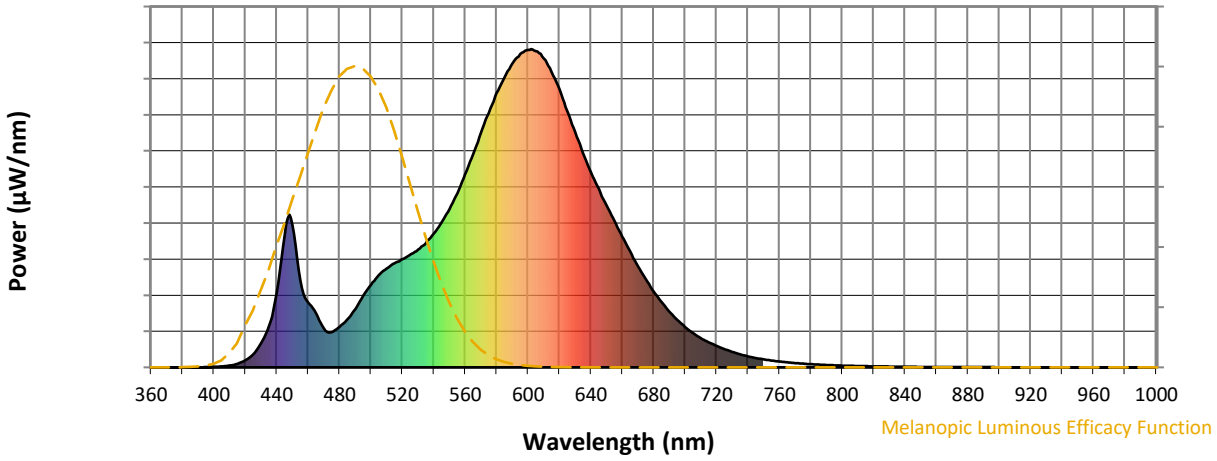


Scotopic Lumens: NR **S/P: 1.18**

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			

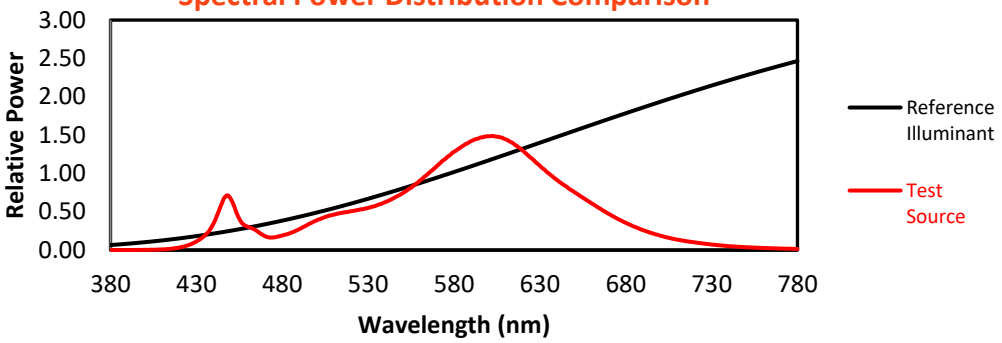
REPORT NUMBER: SP1-2501-332-8

TM-30-18

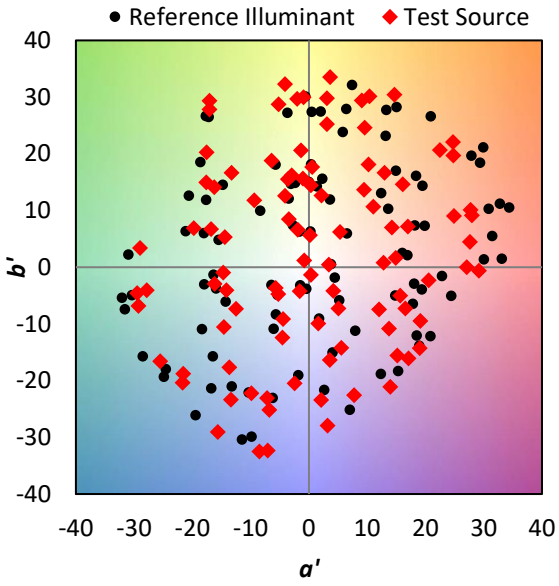
Summary

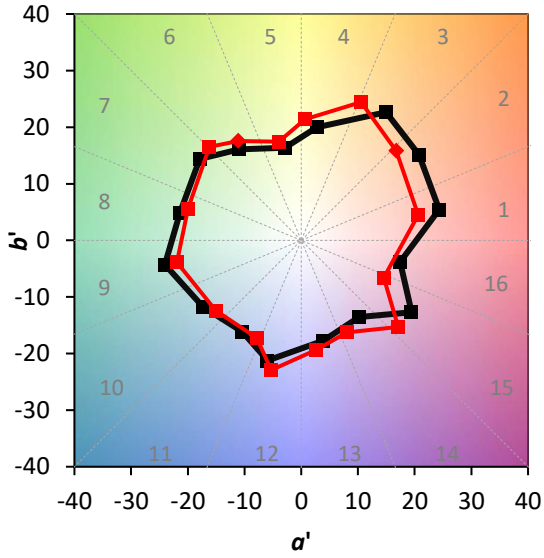
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

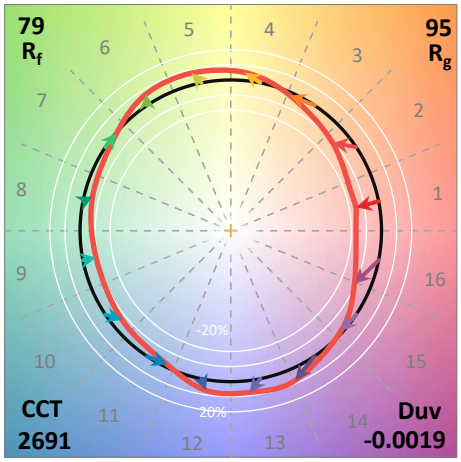
Spectral Power Distribution Comparison

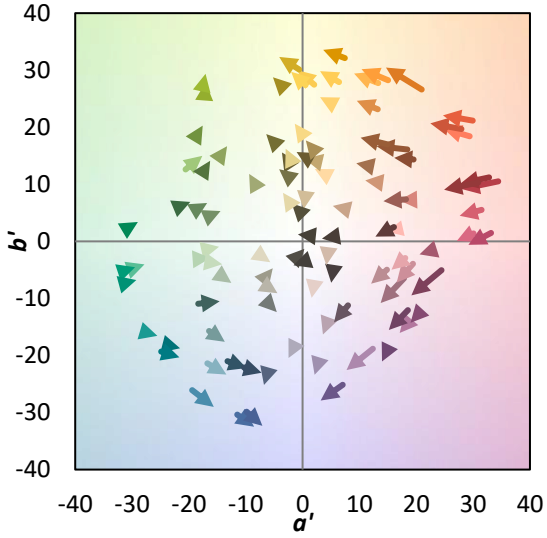


Color Vector Graphics







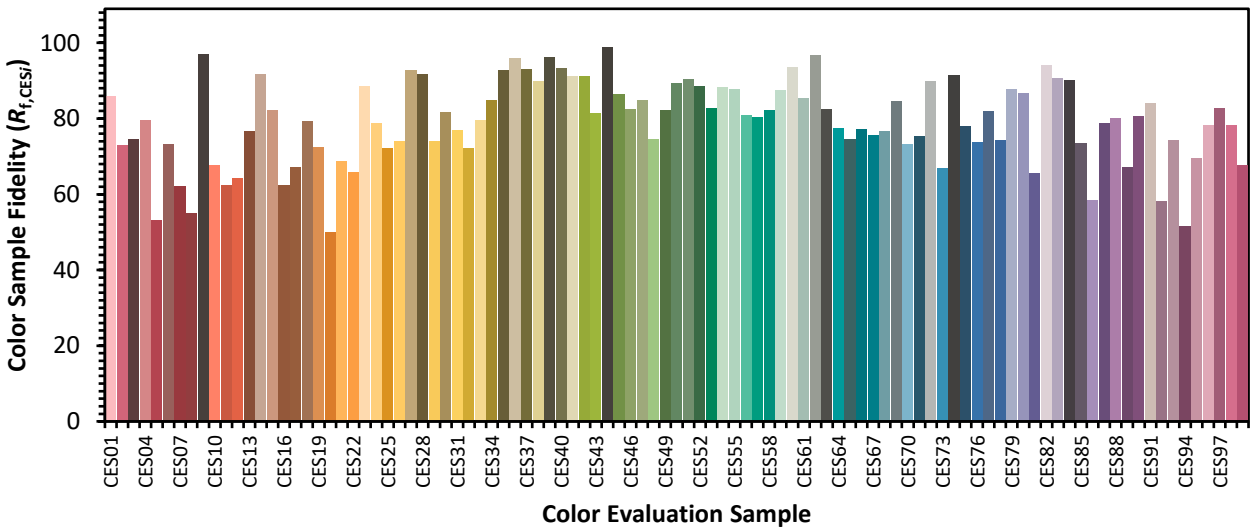


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

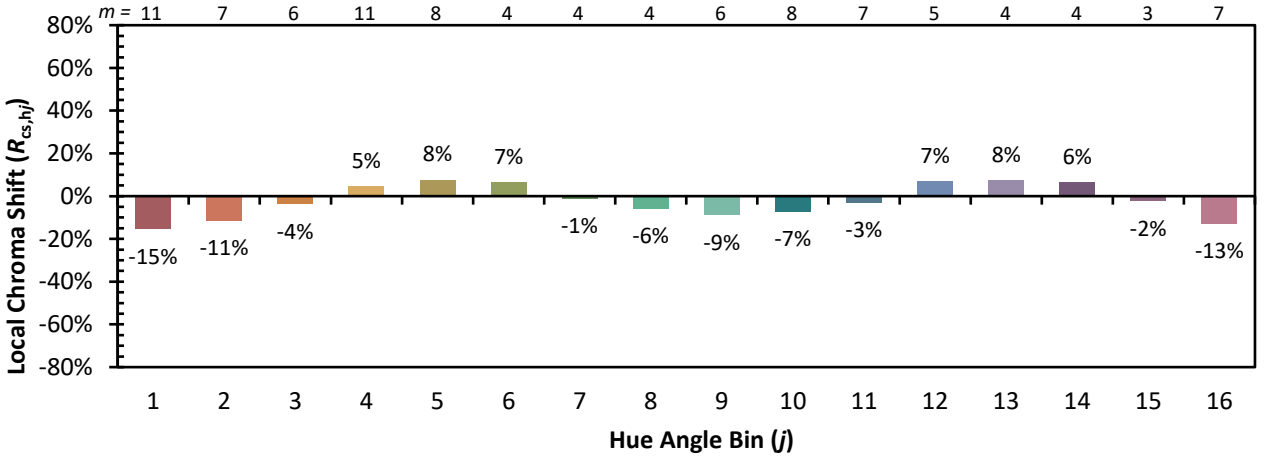
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 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	

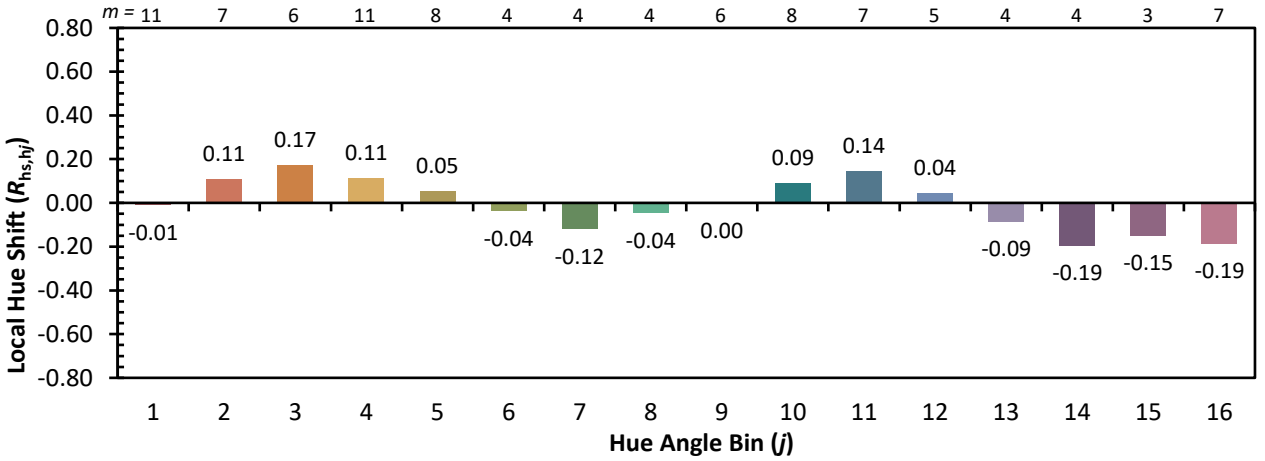


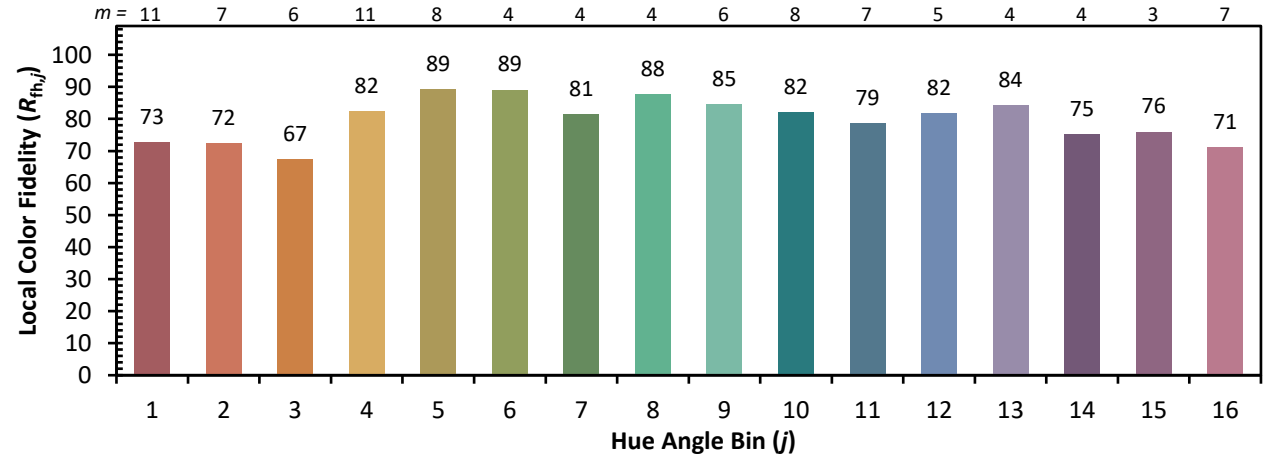
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Color Rendition by Hue-Angle Bin



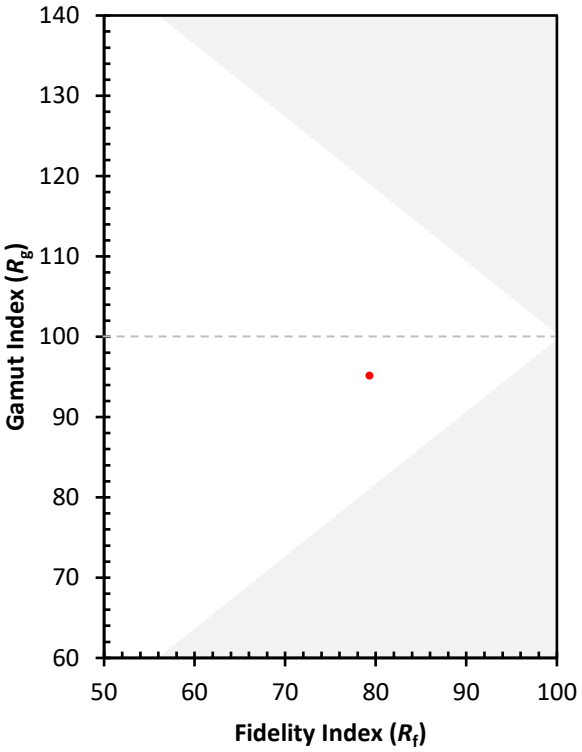


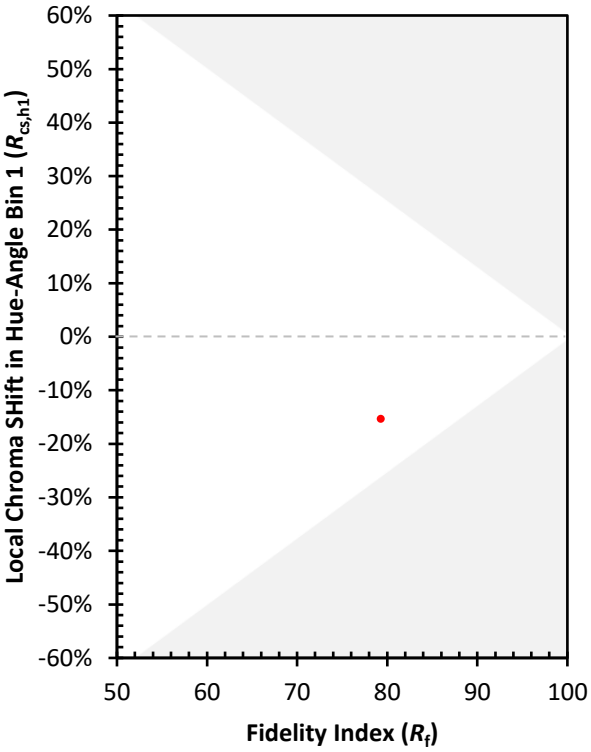


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Measure Comparisons





(END OF REPORT)