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: P1045973

Luminaire Tested: **FFX-CLB-30-727-U-PG-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:	P1045973
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-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC 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:	3182.9 lumens
Efficiency:	N/A
Efficacy:	104.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U4 - 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

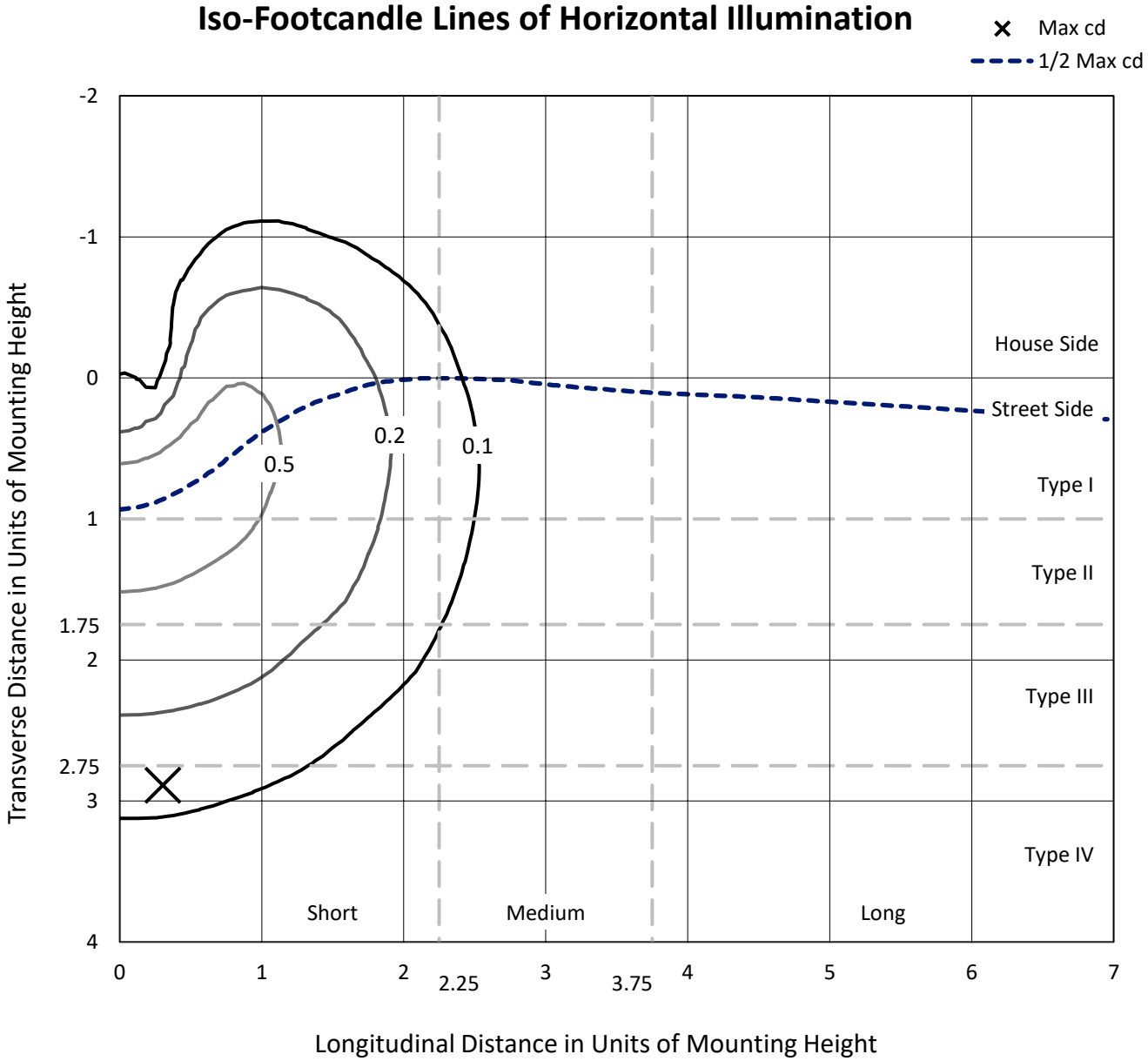


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Iso-Footcandle Lines of Horizontal Illumination



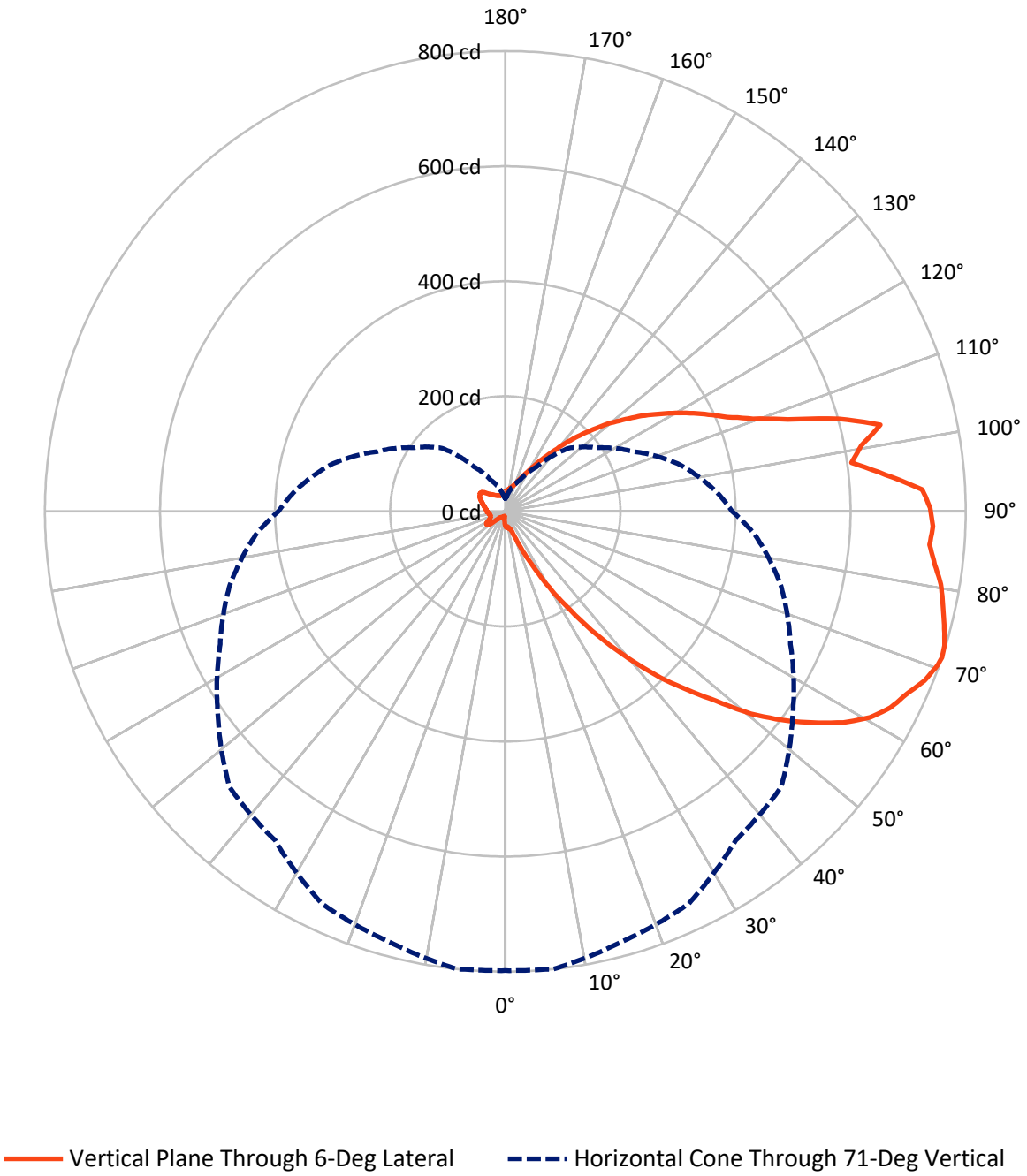
Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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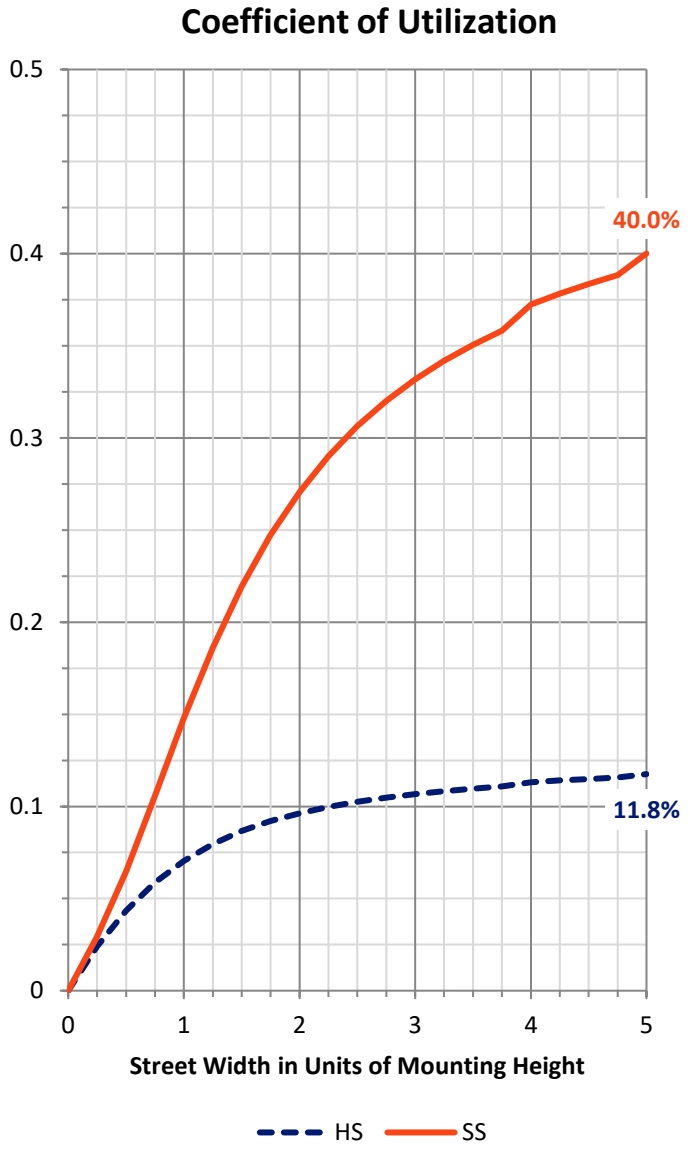
REPORT NUMBER: P1045973
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	408.7	324.1	732.8
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	1491.0	959.1	2450.1
	% Fixture	46.8	30.1	77.0
Total	Lumens	1899.7	1283.2	3182.9
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	6.6	0.2
20°-30°	30.2	0.9
30°-40°	101.1	3.2
40°-50°	205.9	6.5
50°-60°	316.8	10.0
60°-70°	394.3	12.4
70°-80°	421.7	13.2
80°-90°	420.9	13.2
90°-100°	380.4	12.0
100°-110°	332.8	10.5
110°-120°	226.8	7.1
120°-130°	160.2	5.0
130°-140°	97.1	3.1
140°-150°	49.2	1.5
150°-160°	23.0	0.7
160°-170°	10.5	0.3
170°-180°	3.3	0.1
0°-90°	1899.7	59.7
0°-180°	3182.9	100.0



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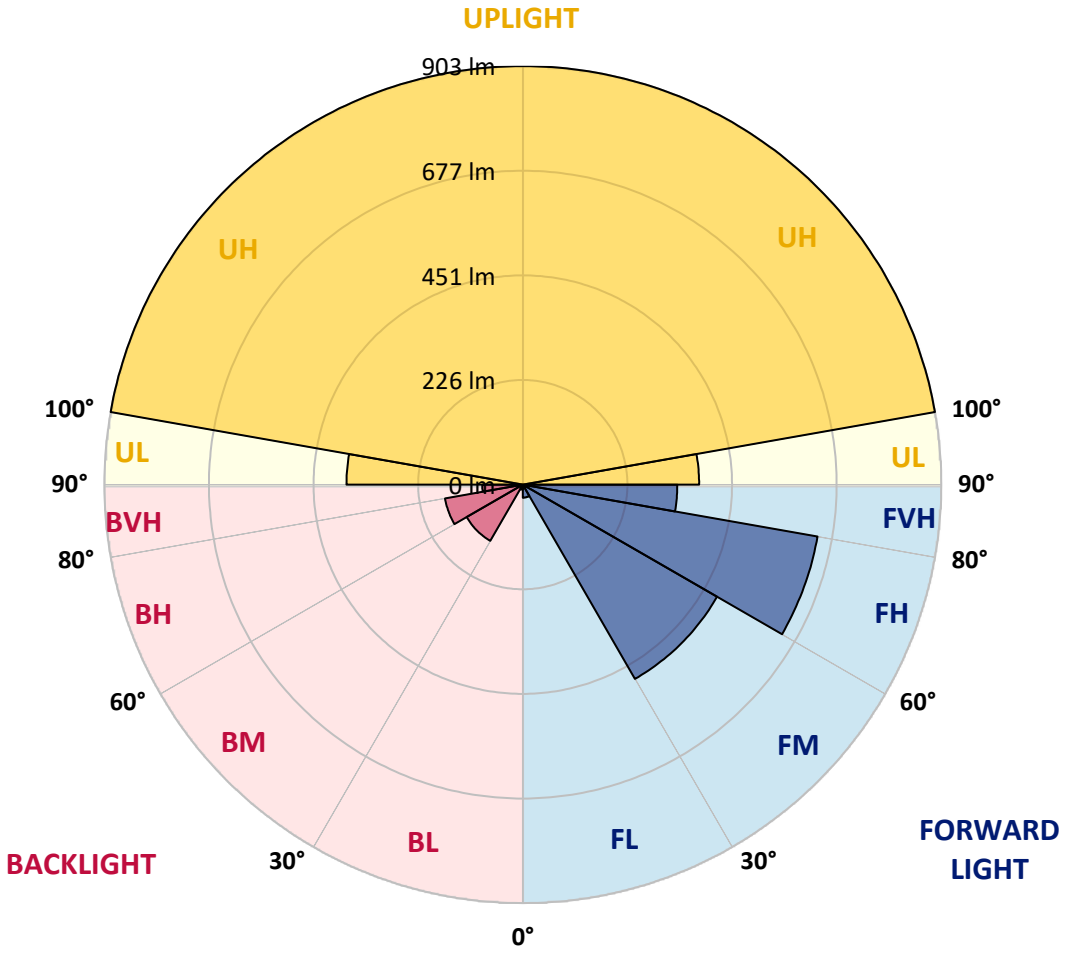
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	28.2	0.9			
FM	(30°-60°)	483.9	15.2			
FH	(60°-80°)	645.6	20.3			G0/660
FVH	(80°-90°)	333.3	10.5			G3/500
BL	(0°-30°)	10.8	0.3	B0/110		
BM	(30°-60°)	140.0	4.4	B0/220		
BH	(60°-80°)	170.4	5.4	B1/500		G1/500
BVH	(80°-90°)	87.6	2.8			G1/100
UL	(90°-100°)	380.4	12.0		U3/500	
UH	(100°-180°)	902.8	28.4		U4/1000	

BUG Rating: B1-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	25.9	25.9	*25.9*	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
2.5°	28.0	28.0	*28.0*	28.0	28.0	28.0	27.7	27.0	26.6	26.3	25.9
5°	26.6	26.6	*26.6*	26.6	26.6	26.6	26.6	26.3	25.9	25.2	24.5
7.5°	26.6	26.6	*26.6*	26.6	26.3	25.9	25.6	25.2	24.9	23.5	22.1
10°	29.0	29.4	*29.0*	29.0	28.0	27.0	26.3	25.2	24.5	23.8	22.1
12.5°	30.8	30.8	*30.8*	30.4	29.7	29.0	27.7	25.9	24.5	23.2	21.8
15°	31.8	31.8	*31.8*	31.8	31.1	30.1	29.0	27.7	26.3	24.5	22.8
17.5°	35.9	35.9	*35.9*	35.6	34.9	34.2	33.5	32.8	31.8	30.1	28.3
20°	47.4	48.4	*48.0*	47.0	46.3	45.6	46.0	45.3	44.6	42.2	39.4
22.5°	65.7	67.1	*66.7*	67.1	66.0	65.3	65.0	65.7	64.3	60.8	55.6
25°	92.3	92.3	*91.3*	94.0	94.4	90.9	91.6	91.3	90.2	84.0	75.7
27.5°	122.0	121.3	*121.0*	125.5	126.2	124.8	126.2	123.7	120.3	113.4	103.0
30°	156.6	159.3	*160.7*	161.4	163.5	164.9	166.6	164.5	155.2	146.9	132.4
32.5°	200.5	198.7	*198.4*	205.7	209.5	209.8	214.0	208.1	197.7	182.2	163.1
35°	248.9	244.7	*245.4*	249.9	256.1	260.6	263.7	252.3	241.6	221.2	196.3
37.5°	294.5	294.8	*294.5*	296.2	308.0	309.4	310.0	297.3	281.7	260.6	229.5
40°	341.2	341.8	*343.6*	349.1	361.6	359.1	353.6	342.2	322.1	298.3	261.7
42.5°	389.2	393.7	*394.7*	397.5	406.1	405.4	396.1	383.3	360.2	330.4	289.3
45°	440.7	440.0	*441.7*	445.5	452.5	452.5	435.9	417.2	392.0	358.4	314.2
47.5°	489.4	494.6	*491.5*	500.8	497.4	499.8	471.5	448.7	421.0	381.3	334.9
50°	551.0	553.7	*552.7*	551.7	541.3	541.3	512.3	481.5	450.4	403.4	355.7
52.5°	603.2	604.2	*602.5*	598.3	583.8	579.0	544.7	509.1	476.3	429.3	375.7
55°	651.6	644.6	*647.8*	641.2	618.4	613.2	580.7	530.2	499.1	448.0	393.0
57.5°	687.2	691.0	*692.0*	677.8	655.0	633.9	612.1	555.5	516.4	465.6	404.4
60°	717.6	727.9	*727.3*	705.8	685.8	648.1	636.0	577.6	527.8	481.1	416.9
62.5°	740.4	751.4	*750.8*	733.5	715.5	662.6	649.1	590.7	534.7	489.1	426.2
65°	762.9	768.0	*765.6*	758.7	737.3	676.1	661.6	596.6	540.6	492.6	429.6
67.5°	785.7	785.3	*785.0*	775.3	752.1	688.5	671.6	605.2	546.5	496.4	432.1
70°	797.1	797.8	*797.4*	777.0	755.6	696.8	677.1	609.7	547.9	496.4	434.1
71°	*797.8*	*798.8*	*799.5*	*775.0*	*752.5*	*697.5*	*677.5*	*609.7*	*546.5*	*495.3*	*433.1*
72.5°	792.9	798.1	*797.4*	769.8	748.0	696.5	675.1	607.0	544.4	491.2	430.0
75°	782.2	791.5	*787.4*	759.4	736.6	689.6	668.5	604.2	539.2	485.6	427.2
77.5°	772.9	783.6	*776.7*	750.8	730.4	684.7	665.0	604.9	535.4	482.2	426.2
80°	766.7	772.5	*767.0*	745.6	725.2	679.2	662.6	605.2	534.4	480.5	423.1
82.5°	757.3	754.9	*751.1*	734.2	713.4	669.2	652.9	599.7	532.0	477.0	419.6
85°	749.0	739.0	*739.0*	723.8	702.7	661.2	641.5	593.1	527.8	473.5	415.5
87.5°	753.9	740.4	*743.2*	728.6	705.5	662.3	639.5	592.4	529.5	474.2	413.1
90°	749.0	736.2	*737.6*	722.4	695.5	651.6	623.9	578.6	518.5	464.6	404.4
92.5°	740.7	727.3	*725.2*	709.6	682.3	640.8	611.8	569.6	509.8	457.0	401.3
95°	676.8	667.1	*663.0*	651.9	630.8	594.5	571.7	531.3	471.8	423.4	375.4
97.5°	611.1	612.8	*607.0*	593.8	570.7	542.3	517.1	478.4	428.3	386.4	339.8
100°	637.0	634.6	*628.7*	611.1	586.9	555.1	525.4	488.1	439.3	401.6	350.1
102.5°	665.4	670.9	*668.5*	646.4	619.1	593.5	571.0	533.7	480.1	440.4	385.4
105°	588.0	599.0	*601.4*	584.2	564.1	542.7	523.0	496.7	450.4	409.6	366.4
107.5°	512.6	514.3	*516.1*	502.9	492.9	473.9	454.2	430.3	395.1	364.0	321.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	460.4	462.1	*459.4*	453.8	443.5	429.0	407.2	390.6	359.8	333.6	295.2
112.5°	418.9	420.7	*418.6*	411.7	402.3	390.9	368.1	354.3	328.0	303.5	268.9
115°	392.3	394.4	*390.9*	383.7	375.7	369.5	349.8	329.4	305.6	283.8	254.1
117.5°	367.1	371.2	*363.3*	361.2	355.3	349.1	326.6	308.7	287.9	268.2	244.4
120°	339.4	342.9	*336.3*	333.9	330.4	324.2	303.1	286.9	270.3	252.7	229.9
122.5°	317.3	312.5	*309.4*	309.4	305.2	301.1	279.3	265.8	252.7	237.8	214.3
125°	292.1	285.5	*284.1*	286.5	281.4	275.8	258.5	246.4	236.4	221.6	198.4
127.5°	263.7	257.5	*257.5*	258.5	255.4	249.9	238.5	228.5	222.3	206.4	183.2
130°	237.1	233.7	*234.4*	231.9	228.8	224.3	216.0	208.8	203.6	187.7	171.1
132.5°	205.3	209.1	*209.1*	205.0	204.3	200.8	194.3	190.8	182.8	169.7	155.9
135°	182.8	186.0	*185.6*	181.8	181.5	179.4	174.6	171.4	163.8	152.8	141.4
137.5°	163.8	163.8	*163.1*	160.7	159.3	159.0	154.5	151.4	144.1	136.5	127.2
140°	145.2	142.1	*141.0*	141.4	139.3	139.0	135.1	131.3	127.9	120.6	113.0
142.5°	125.8	123.7	*122.7*	121.3	120.6	119.6	117.2	114.1	110.6	105.8	98.9
145°	107.5	107.5	*106.8*	105.4	105.4	104.0	101.6	99.9	96.8	91.6	86.1
147.5°	93.3	92.3	*92.3*	91.9	90.9	90.2	88.1	85.7	83.6	79.5	74.3
150°	80.2	80.2	*79.5*	80.2	79.5	78.5	77.1	75.0	72.6	69.5	65.3
152.5°	69.8	70.2	*69.5*	70.5	69.8	69.1	67.4	66.0	63.3	60.5	57.7
155°	62.2	62.6	*62.2*	61.9	61.9	60.8	60.1	58.1	56.3	53.9	51.5
157.5°	55.3	55.6	*55.6*	55.6	55.6	54.6	53.2	51.8	50.5	48.4	46.3
160°	50.8	50.5	*50.5*	50.1	49.8	49.4	48.4	47.0	46.0	44.2	42.5
162.5°	46.3	46.3	*46.3*	46.0	45.6	45.3	44.6	43.2	42.2	40.8	39.4
165°	43.2	43.2	*43.2*	43.2	42.5	42.2	41.5	40.4	39.7	38.4	37.0
167.5°	41.1	41.1	*41.1*	40.8	40.4	40.1	39.7	38.7	38.0	37.0	35.9
170°	39.4	39.4	*39.4*	39.4	39.1	38.4	38.0	37.3	36.6	35.9	34.9
172.5°	37.7	37.7	*37.7*	37.7	37.3	37.3	37.0	36.3	35.9	34.9	34.6
175°	36.3	36.3	*36.3*	36.3	35.9	35.9	35.6	35.3	34.9	34.6	33.9
177.5°	35.3	35.3	*35.3*	35.3	34.9	34.9	34.9	34.6	34.2	33.9	33.9
180°	33.9	33.9	*33.9*	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
2.5°	25.9	25.9	25.2	24.9	24.5	23.8	23.2	22.1	22.1	22.1	21.8
5°	24.2	23.8	23.2	22.1	21.8	21.4	20.7	19.4	17.6	16.2	16.2
7.5°	22.5	20.7	19.0	18.3	17.3	15.6	13.8	11.8	9.3	9.0	9.0
10°	21.1	20.0	18.0	16.2	14.5	14.2	12.8	10.7	9.7	8.6	8.6
12.5°	20.7	20.0	17.6	15.6	13.5	12.4	11.4	10.4	9.3	8.6	8.6
15°	21.8	21.1	18.7	16.2	13.8	12.4	11.1	10.0	9.7	9.3	9.3
17.5°	27.3	26.3	22.8	19.0	15.9	13.8	12.1	11.1	10.7	10.4	10.4
20°	37.0	35.3	30.4	25.2	20.4	15.9	13.5	11.8	11.4	11.1	11.1
22.5°	52.5	49.4	41.1	33.2	25.9	20.0	15.6	12.4	11.4	11.1	11.1
25°	71.5	67.4	55.3	43.6	32.8	25.6	19.0	14.2	11.4	10.7	10.7
27.5°	96.8	89.5	73.3	58.4	43.9	32.5	23.8	16.9	12.4	10.7	10.4
30°	123.4	114.4	93.7	74.0	55.6	40.8	29.4	20.4	14.2	10.7	10.4
32.5°	152.4	140.3	117.5	93.0	69.1	50.5	35.9	23.8	16.2	11.4	10.7
35°	182.2	168.7	140.3	113.0	83.0	60.1	42.9	27.7	17.6	12.1	11.4
37.5°	212.2	197.0	166.3	131.0	96.4	70.2	49.8	31.8	19.0	12.8	12.1
40°	242.3	224.0	190.1	147.9	109.6	80.2	56.3	35.3	20.0	13.8	13.5
42.5°	265.8	247.1	209.8	162.1	123.4	89.2	62.9	38.0	21.1	15.6	14.9
45°	287.2	267.5	226.4	174.9	134.1	99.9	70.5	42.5	23.2	17.6	16.9
47.5°	309.0	289.7	243.7	187.3	144.5	110.6	79.5	47.4	28.7	22.8	22.5
50°	328.0	306.6	262.3	204.3	157.6	120.6	88.8	53.2	33.9	33.2	33.5
52.5°	346.3	324.9	278.2	216.7	166.6	132.7	97.8	55.6	38.4	39.1	39.7
55°	366.7	341.8	291.0	226.4	171.8	140.7	103.0	57.7	42.5	39.7	39.1
57.5°	380.6	351.9	301.4	237.1	177.3	145.5	103.3	60.1	46.0	38.4	37.3
60°	389.9	357.4	306.9	243.0	184.9	150.0	102.3	60.5	48.0	35.3	32.1
62.5°	396.1	364.7	311.8	244.4	190.8	153.5	102.0	59.1	47.4	31.5	29.0
65°	398.9	370.9	316.3	245.1	191.8	155.9	102.0	58.4	46.3	27.7	24.9
67.5°	398.9	373.0	318.0	246.4	191.1	156.6	98.9	60.5	44.9	26.3	22.8
70°	396.8	371.9	315.6	246.1	192.5	155.9	95.4	60.5	42.9	26.3	21.8
71°	*394.0*	*369.8*	*313.9*	*245.8*	*192.9*	*155.2*	*94.0*	*60.1*	*41.8*	*25.6*	*22.1*
72.5°	390.2	366.7	310.7	245.1	191.8	153.1	91.3	60.5	40.8	25.2	22.5
75°	386.1	364.3	308.3	242.3	191.5	150.0	86.4	59.5	40.4	25.6	23.2
77.5°	384.7	364.7	306.9	241.6	191.5	148.3	83.0	58.8	39.7	25.9	24.5
80°	381.6	364.0	304.2	239.9	190.8	145.2	81.9	58.8	39.1	26.3	25.2
82.5°	378.5	362.2	301.8	238.2	189.8	141.0	80.9	58.4	38.4	27.3	26.6
85°	375.7	361.9	301.8	237.1	189.4	138.6	80.5	58.1	38.0	28.3	27.7
87.5°	375.7	363.6	304.9	239.9	192.5	138.6	81.9	58.8	38.4	29.7	29.4
90°	368.8	356.0	300.0	238.2	193.6	139.0	83.3	60.5	39.7	31.1	30.4
92.5°	366.7	352.6	298.6	239.9	194.9	139.0	85.0	62.2	40.8	31.8	31.1
95°	343.9	328.0	281.0	227.8	186.3	135.1	85.7	61.9	41.5	32.1	31.8
97.5°	312.1	294.8	250.6	202.6	164.9	121.3	78.1	58.1	41.1	33.2	32.5
100°	322.8	302.4	256.1	206.0	162.1	118.9	76.7	56.3	42.2	34.6	33.9
102.5°	352.6	330.4	281.7	228.1	176.6	131.3	85.7	59.8	44.2	36.3	35.3
105°	334.9	310.4	272.0	220.9	172.1	131.3	86.1	60.8	46.3	37.7	37.0
107.5°	295.9	273.1	239.5	196.7	157.6	121.3	81.6	59.1	48.0	39.4	38.4

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

Scaled Data Report

REPORT NUMBER: P1045973
CATALOG NUMBER: FFX-CLB-30-727-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	273.4	248.9	218.1	179.4	146.6	112.7	78.5	58.1	49.1	41.5	40.1
112.5°	249.6	228.5	198.7	164.9	136.5	104.0	76.4	57.7	49.8	43.6	42.2
115°	236.1	214.3	188.7	155.9	130.0	101.3	75.7	59.5	52.2	46.3	44.9
117.5°	224.3	206.4	183.5	149.0	125.5	100.2	77.1	61.5	53.9	48.7	47.0
120°	212.2	195.6	174.9	143.4	121.7	96.8	77.4	62.6	55.3	50.8	49.8
122.5°	205.0	186.3	165.9	138.6	117.2	94.4	77.1	63.9	55.6	51.8	51.8
125°	191.5	176.6	156.2	132.4	110.6	93.0	77.1	63.3	56.7	53.2	52.5
127.5°	176.6	166.9	146.6	125.5	106.1	89.5	75.0	63.3	56.3	53.2	53.2
130°	162.8	154.2	137.6	116.1	102.0	84.7	71.9	60.1	54.3	52.2	52.2
132.5°	147.2	141.7	126.2	107.2	93.7	78.8	67.7	55.6	50.8	49.1	49.1
135°	133.1	127.9	113.4	97.5	85.4	73.3	62.9	52.5	46.7	44.6	44.6
137.5°	119.9	115.1	102.3	88.8	77.8	67.7	58.1	49.4	43.6	41.1	41.5
140°	106.5	100.6	91.9	80.5	70.5	62.6	53.2	46.3	40.8	38.7	38.4
142.5°	94.4	89.9	81.9	72.2	63.6	57.4	49.1	43.2	38.7	36.6	36.3
145°	83.3	79.5	72.6	64.6	57.7	51.8	45.3	40.4	36.6	34.9	34.6
147.5°	71.5	69.1	63.9	57.7	51.8	46.7	42.2	37.7	35.3	33.2	32.8
150°	62.9	61.2	57.0	51.8	47.4	43.2	39.7	35.6	33.5	32.1	31.8
152.5°	56.0	54.3	50.8	47.0	43.2	40.1	37.0	34.2	32.1	31.1	30.8
155°	50.1	48.7	46.0	42.9	39.7	37.0	34.6	32.5	31.1	30.1	30.1
157.5°	45.6	44.2	42.2	39.4	37.0	34.6	32.8	31.1	30.4	29.4	29.4
160°	41.8	40.8	39.1	36.6	34.6	32.8	31.5	30.1	29.7	29.0	29.0
162.5°	38.7	38.0	36.3	34.6	33.2	31.8	30.8	29.7	29.0	28.7	28.7
165°	36.6	35.9	34.9	33.5	32.1	31.1	30.4	29.4	29.0	29.0	28.7
167.5°	35.6	34.9	33.9	32.5	31.5	31.1	30.4	29.7	29.4	29.4	29.0
170°	34.6	34.2	33.5	32.5	31.5	31.1	30.8	30.1	30.1	29.7	29.7
172.5°	34.2	33.9	33.2	32.5	31.8	31.5	31.1	30.8	30.8	30.8	30.4
175°	33.9	33.9	33.2	32.5	32.1	32.1	31.8	31.5	31.5	31.5	31.5
177.5°	33.9	33.5	33.5	33.2	32.8	32.8	32.8	32.5	32.5	32.5	32.5
180°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9

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

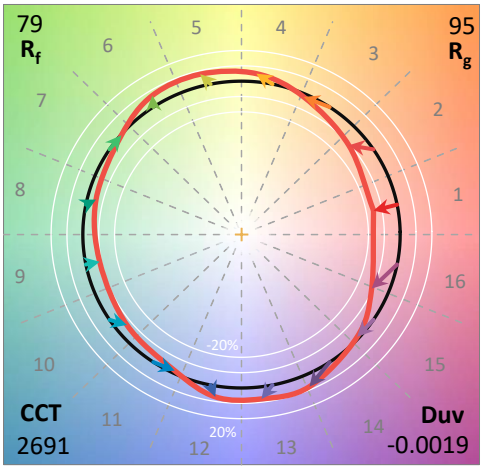
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

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

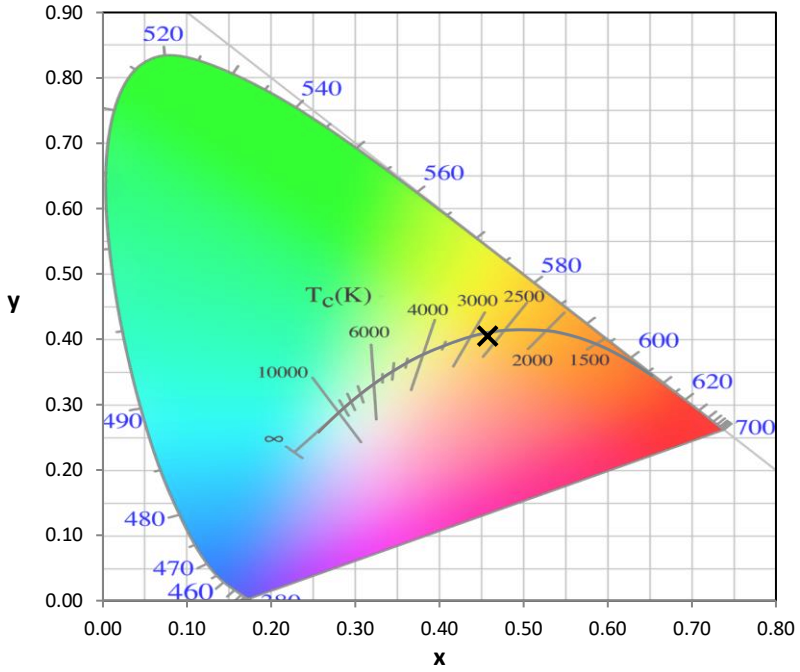
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

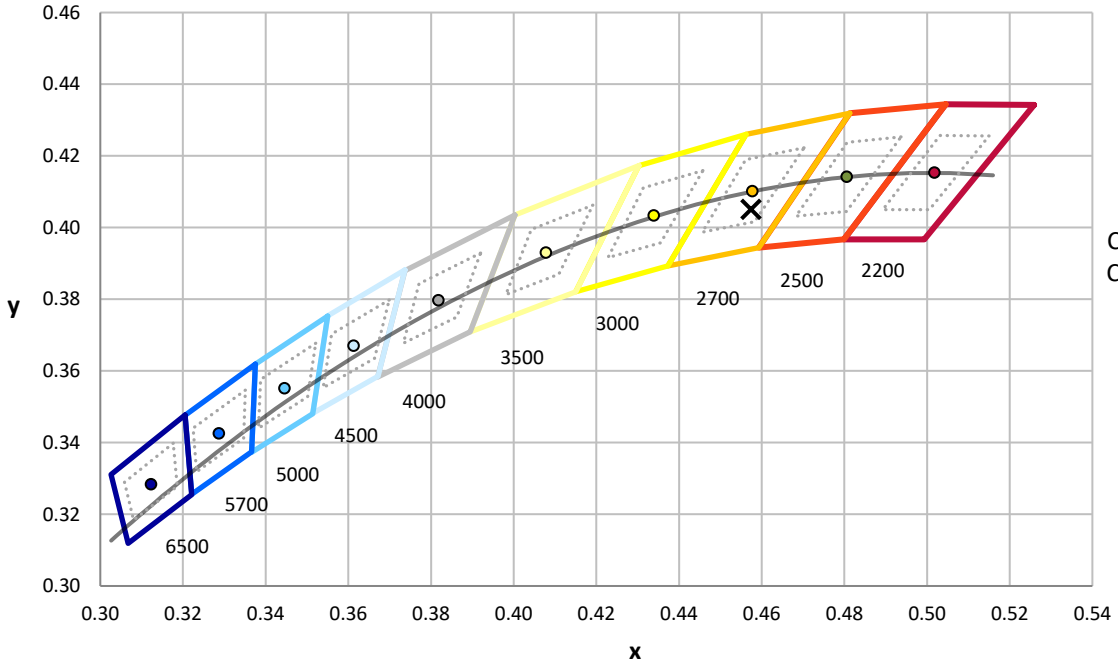
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

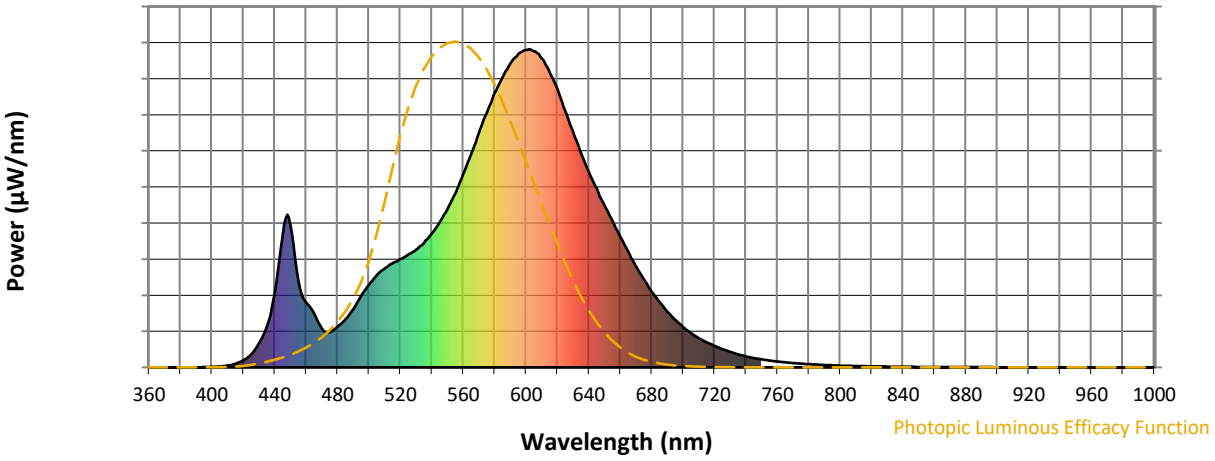


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

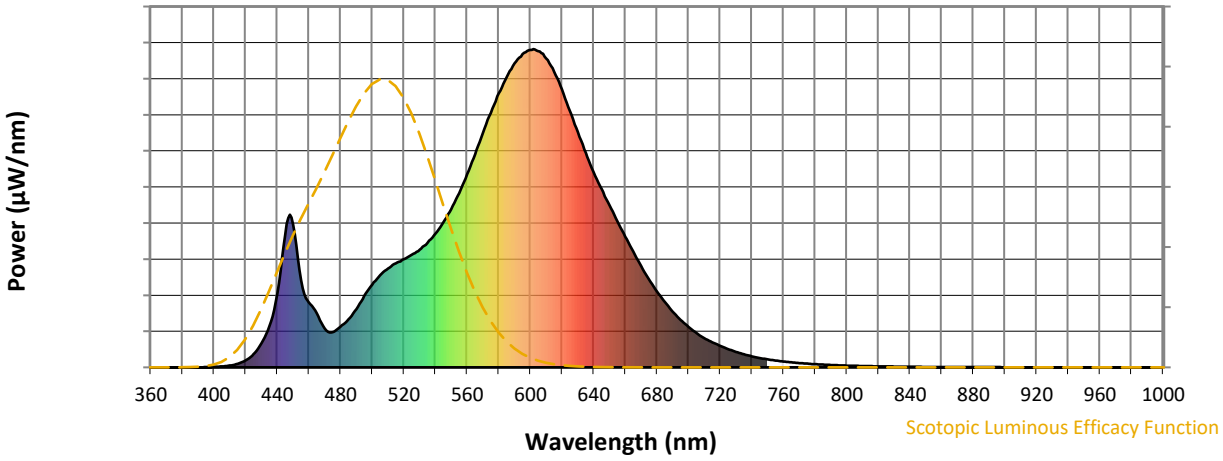


Photopic Lumens: NR

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

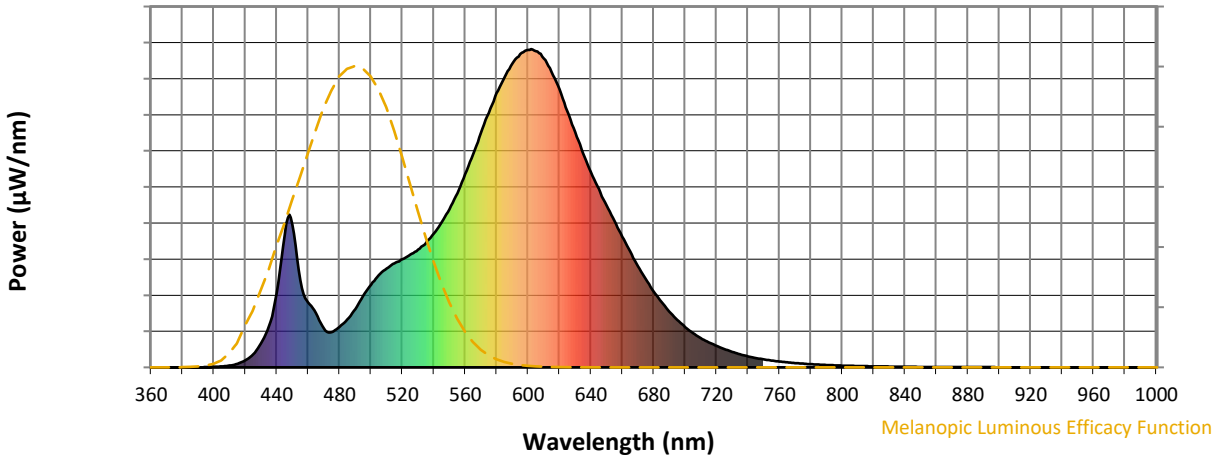


Scotopic Lumens: NR **S/P: 1.18**

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			

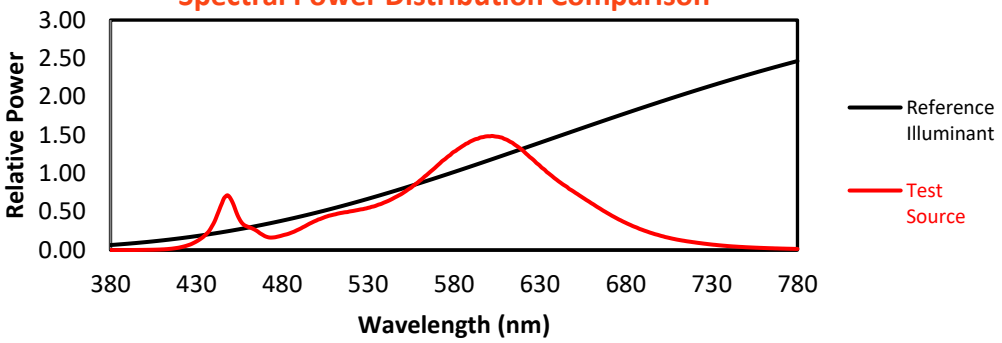
REPORT NUMBER: SP1-2501-332-8

TM-30-18

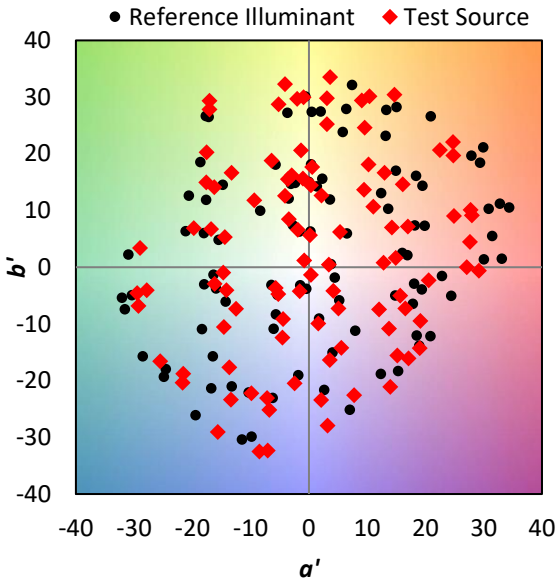
Summary

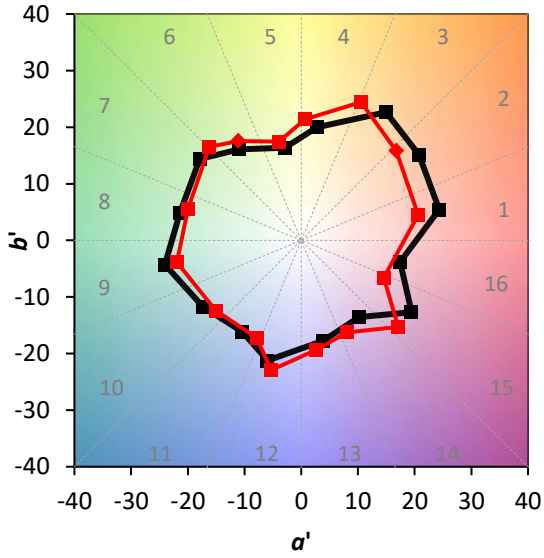
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R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

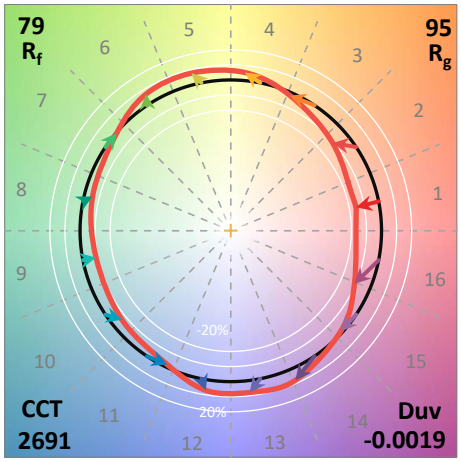
Spectral Power Distribution Comparison

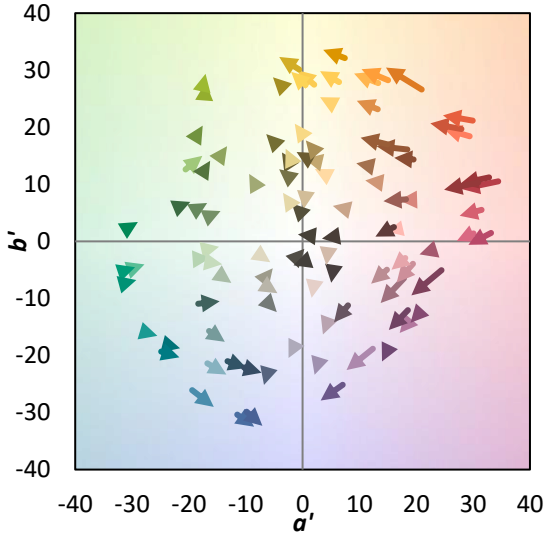


Color Vector Graphics







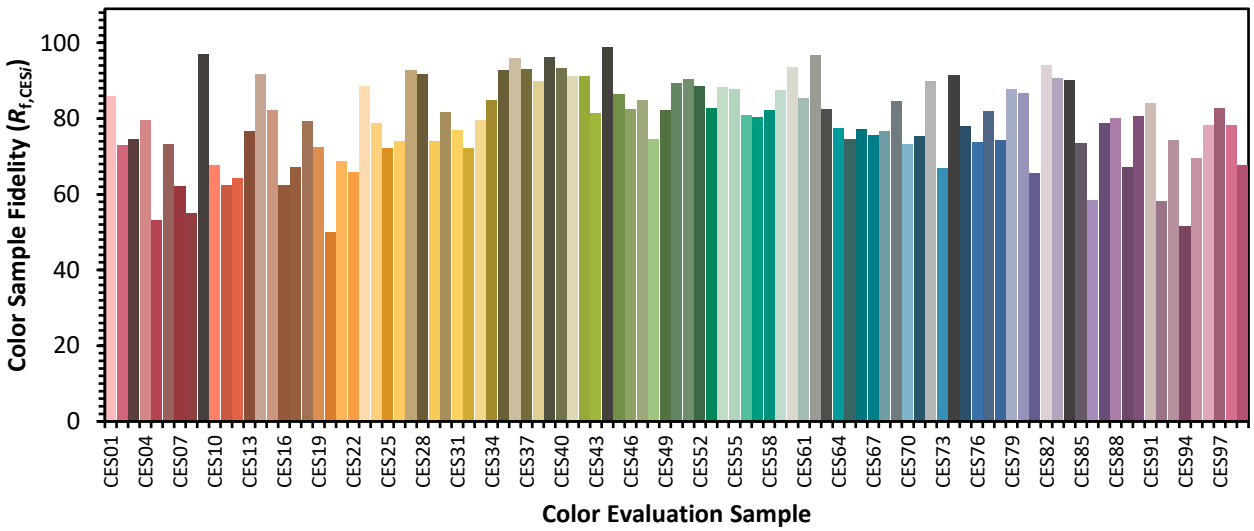


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

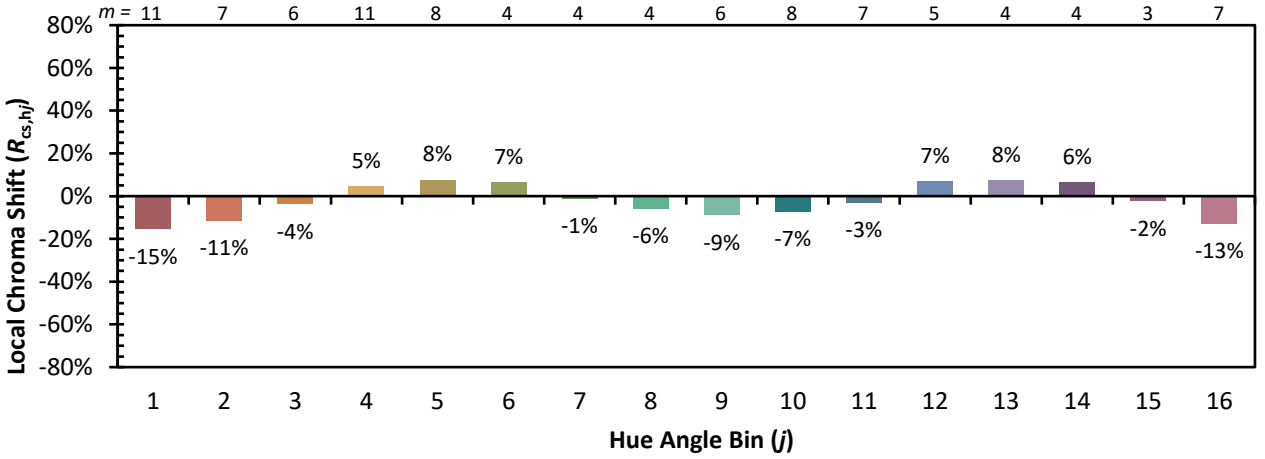
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CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57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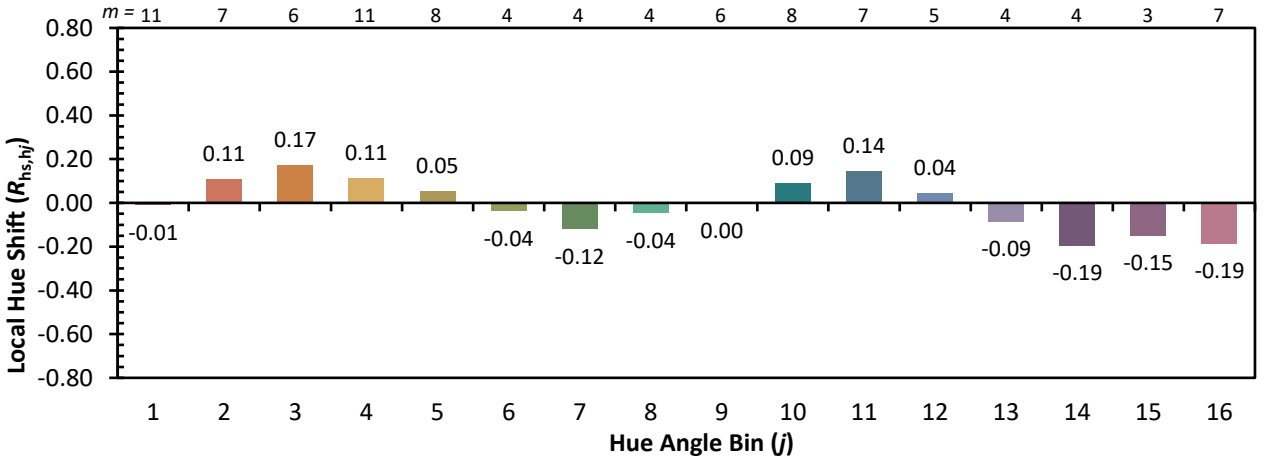


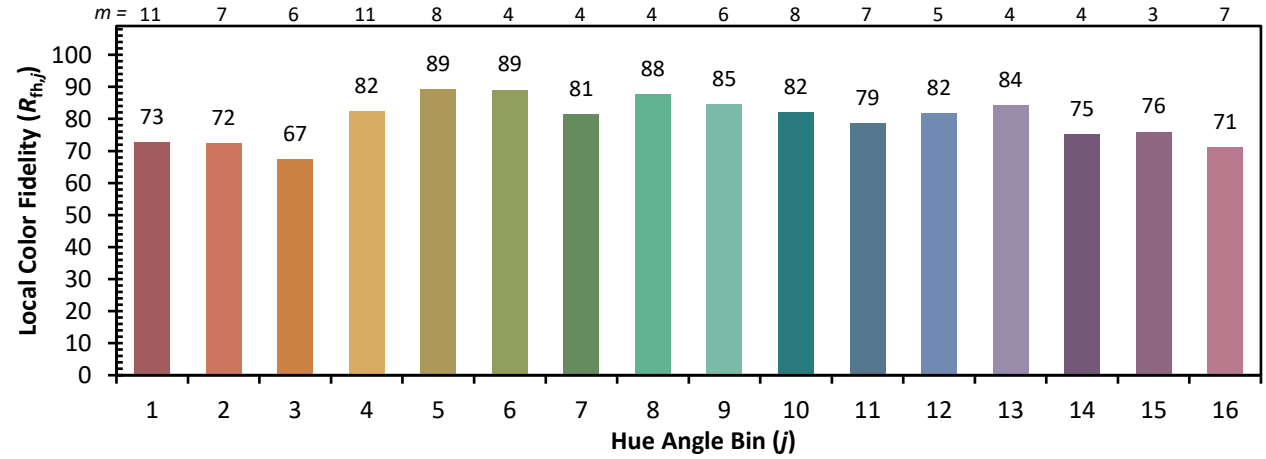
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Color Rendition by Hue-Angle Bin



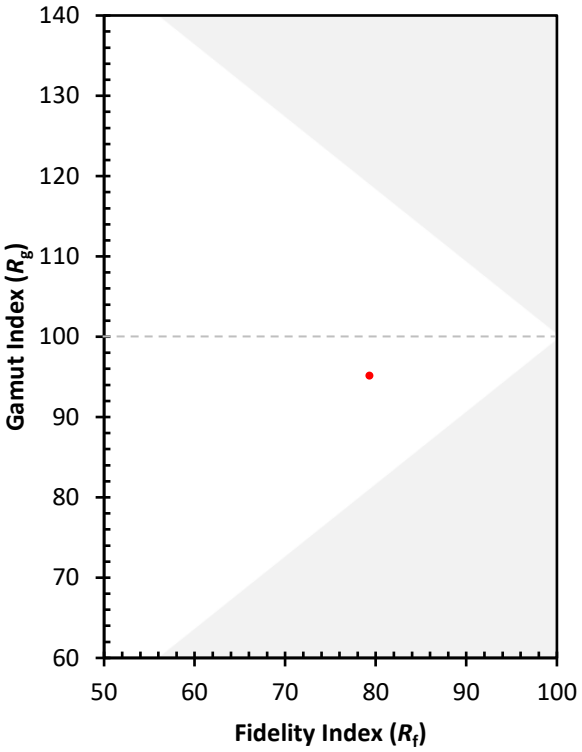


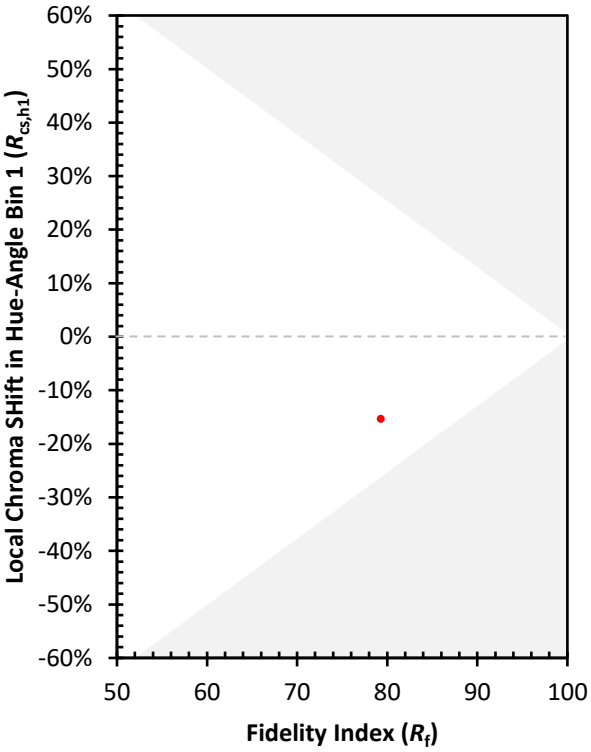


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Measure Comparisons





(END OF REPORT)