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: P1045865

Luminaire Tested: **FFX-CLB-30-750-U-VM8-T5-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:	P1045865
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-750-U-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3506.1 lumens
Efficiency:	N/A
Efficacy:	114.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	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

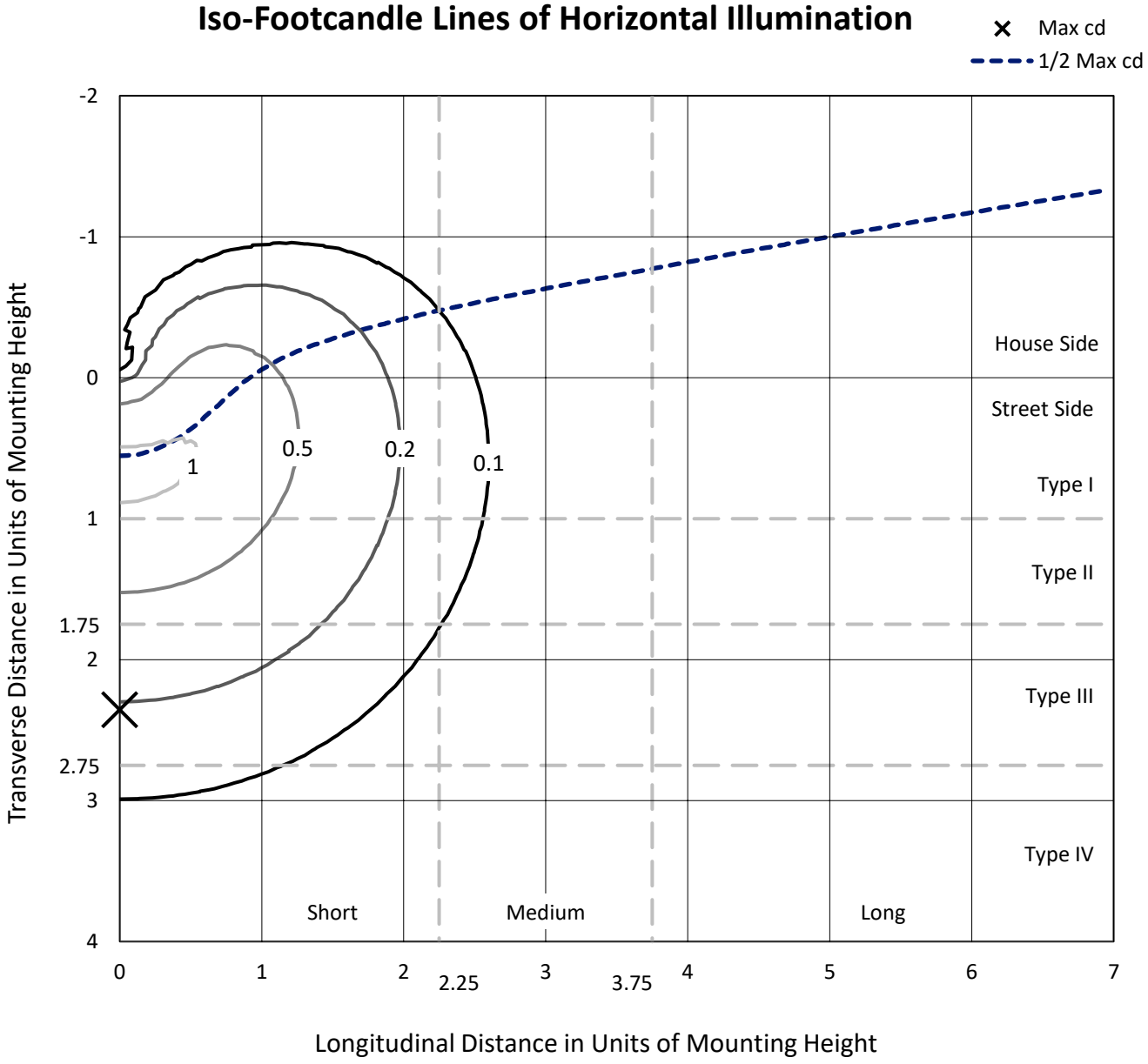


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REPORT NUMBER: P1045865
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Iso-Footcandle Lines of Horizontal Illumination



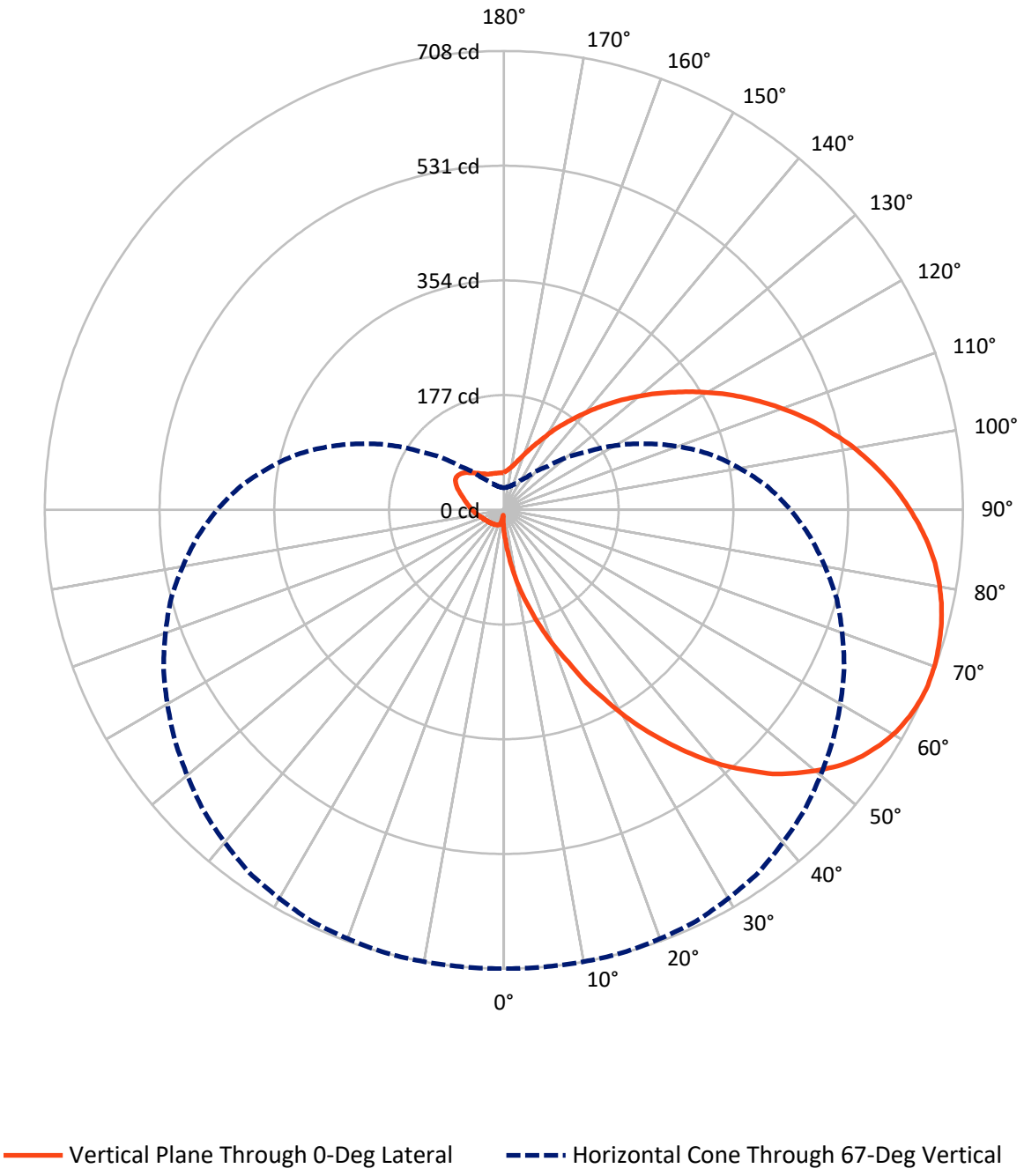
Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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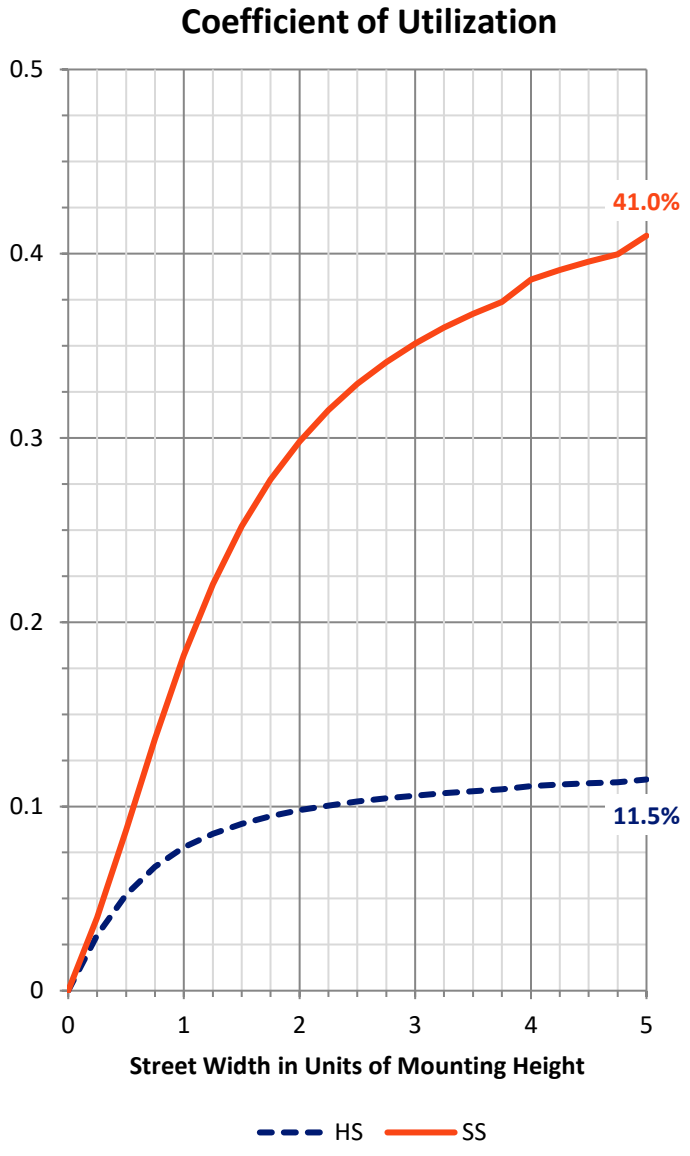
REPORT NUMBER: P1045865
CATALOG NUMBER: FFX-CLB-30-750-U-VM8-T5-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	434.2	413.6	847.8
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	1637.1	1021.2	2658.3
	% Fixture	46.7	29.1	75.8
Total	Lumens	2071.3	1434.8	3506.1
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	29.1	0.8
20°-30°	81.3	2.3
30°-40°	162.8	4.6
40°-50°	255.8	7.3
50°-60°	336.3	9.6
60°-70°	388.4	11.1
70°-80°	409.8	11.7
80°-90°	403.1	11.5
90°-100°	369.9	10.6
100°-110°	320.0	9.1
110°-120°	262.6	7.5
120°-130°	200.2	5.7
130°-140°	134.9	3.8
140°-150°	79.9	2.3
150°-160°	42.0	1.2
160°-170°	19.6	0.6
170°-180°	5.7	0.2
0°-90°	2071.3	59.1
0°-180°	3506.1	100.0



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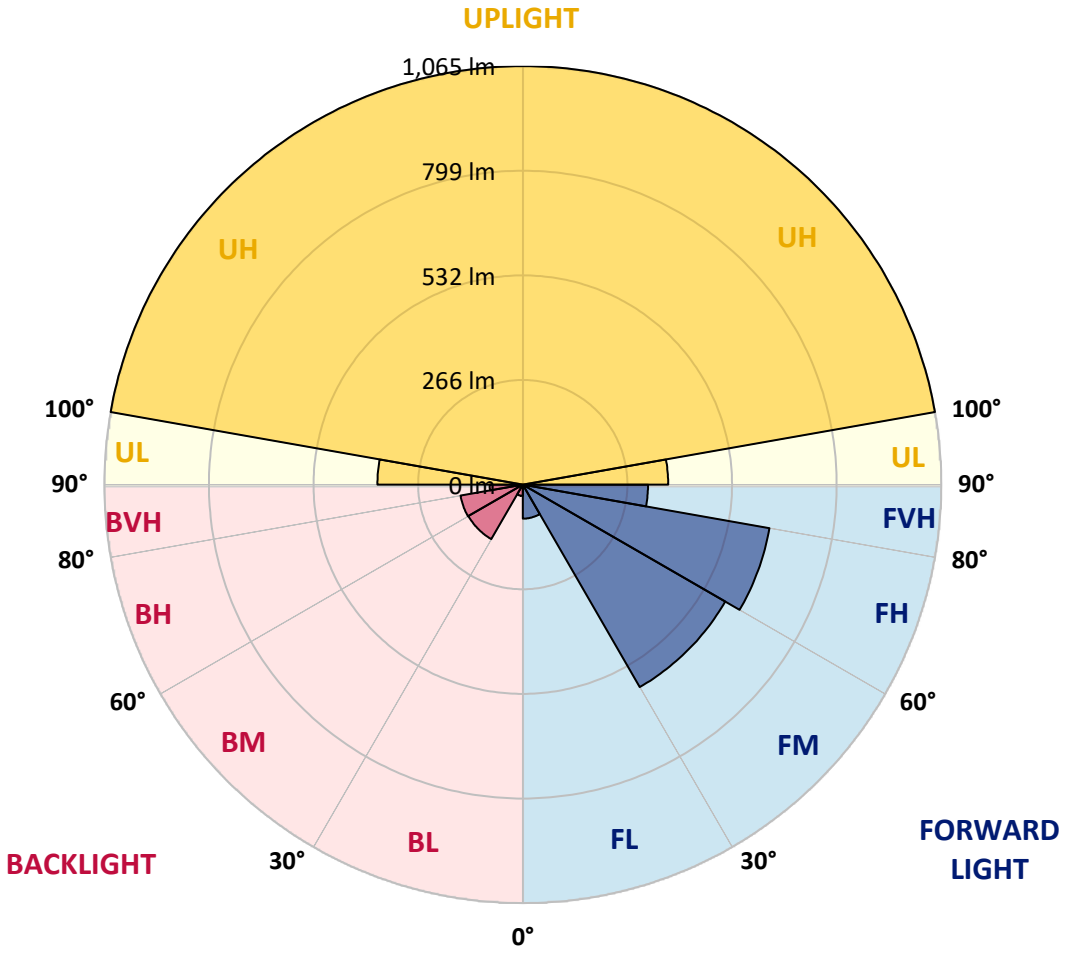
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	86.5	2.5			
FM	(30°-60°)	594.8	17.0			
FH	(60°-80°)	637.2	18.2			G0/660
FVH	(80°-90°)	318.5	9.1			G3/500
BL	(0°-30°)	28.6	0.8	B0/110		
BM	(30°-60°)	160.1	4.6	B0/220		
BH	(60°-80°)	161.0	4.6	B1/500		G1/500
BVH	(80°-90°)	84.5	2.4			G1/100
UL	(90°-100°)	369.9	10.6		U3/500	
UH	(100°-180°)	1064.9	30.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*34.1*	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
2.5°	*45.3*	46.0	46.0	45.6	45.3	44.5	43.7	42.2	39.1	36.8	34.5
5°	*65.6*	65.6	66.0	65.6	64.1	62.5	59.1	56.4	51.4	47.6	43.3
7.5°	*89.0*	90.1	89.8	88.6	85.9	82.5	78.3	73.3	68.3	62.5	56.0
10°	*115.1*	114.7	114.7	113.2	110.1	105.5	100.9	95.1	87.8	80.6	72.1
12.5°	*139.6*	140.8	140.0	138.1	134.3	130.8	125.1	118.5	110.1	102.4	90.9
15°	*166.1*	166.9	166.9	165.7	162.3	157.3	150.8	144.6	133.5	122.8	111.6
17.5°	*196.4*	195.3	193.7	193.7	189.5	185.3	178.8	170.3	158.0	146.2	131.2
20°	*226.7*	226.3	224.4	223.3	220.6	214.4	206.0	196.4	184.1	170.7	153.1
22.5°	*255.1*	258.9	258.5	256.6	253.2	247.0	237.8	226.3	213.7	196.8	176.5
25°	*295.4*	293.1	293.5	291.5	288.5	281.2	272.0	258.5	243.2	224.4	201.4
27.5°	*330.3*	329.5	329.5	328.4	324.1	316.5	305.7	293.1	275.4	253.2	227.5
30°	*370.6*	368.6	367.9	366.7	362.5	354.1	342.9	327.2	308.0	285.4	255.1
32.5°	*408.5*	407.0	404.3	403.9	400.9	392.0	379.4	363.3	341.4	314.9	281.6
35°	*445.0*	445.7	444.6	442.7	438.5	430.0	417.7	398.2	376.7	346.0	309.9
37.5°	*481.8*	481.4	482.2	480.6	474.1	466.1	451.5	430.8	406.2	372.9	334.9
40°	*517.9*	515.9	515.6	514.0	509.4	501.4	484.9	463.8	436.2	401.6	358.7
42.5°	*548.9*	549.7	548.9	547.4	541.3	532.1	514.8	491.4	462.2	425.0	380.9
45°	*581.5*	580.4	580.0	580.0	571.9	562.4	543.6	519.4	486.8	446.9	400.1
47.5°	*607.2*	608.8	608.0	606.1	600.7	588.8	568.9	542.4	508.3	467.2	417.4
50°	*631.4*	633.3	633.7	631.8	625.3	612.2	591.5	562.0	527.4	484.1	432.3
52.5°	*653.7*	653.3	654.4	653.3	647.1	633.7	609.9	580.0	542.8	498.3	443.8
55°	*670.9*	670.9	671.7	670.1	664.4	649.4	624.9	593.0	555.1	509.4	453.8
57.5°	*684.7*	685.5	685.1	684.7	678.2	662.5	636.4	603.4	565.0	517.5	461.1
60°	*695.5*	695.8	695.8	695.1	688.6	672.1	645.6	611.5	571.6	524.4	466.8
62.5°	*702.4*	702.8	702.8	702.0	695.5	678.6	651.7	616.4	576.2	528.6	470.7
65°	*706.6*	707.0	707.0	706.2	699.7	682.4	654.8	619.1	578.5	530.9	473.0
67°	*708.1*	*708.1*	*708.1*	*707.7*	*700.8*	*684.0*	*655.6*	*619.5*	*579.2*	*531.7*	*474.1*
67.5°	*707.7*	707.7	708.1	707.4	700.8	683.6	655.2	619.5	578.8	531.7	474.1
70°	*706.6*	706.6	706.6	705.8	699.3	682.0	653.7	617.6	577.7	530.9	473.7
72.5°	*702.4*	702.8	702.8	702.0	695.5	678.6	650.2	614.1	574.6	528.6	472.6
75°	*697.4*	697.4	697.4	696.6	690.1	673.2	645.2	609.5	570.8	525.5	470.3
77.5°	*690.1*	690.1	690.1	689.3	682.8	666.3	638.7	603.8	565.8	521.3	467.6
80°	*680.9*	681.3	680.9	680.1	673.6	657.1	630.6	596.5	559.3	516.3	463.8
82.5°	*670.1*	670.5	670.1	668.6	662.5	646.7	620.3	586.9	551.6	509.8	459.2
85°	*656.3*	656.0	656.3	654.0	648.7	632.9	608.8	576.2	542.0	502.1	452.6
87.5°	*640.6*	641.0	640.2	639.1	632.6	617.2	594.2	563.9	530.9	492.9	445.0
90°	*623.3*	623.3	623.0	621.4	614.5	600.7	578.8	549.7	519.0	482.6	436.9
92.5°	*605.7*	605.3	604.2	603.4	597.3	583.1	562.0	535.9	507.1	472.2	428.5
95°	*586.1*	586.1	585.4	583.8	576.9	565.4	545.1	520.5	493.3	461.1	419.7
97.5°	*565.4*	565.0	564.7	562.4	556.2	544.7	528.2	504.4	479.5	449.2	409.7
100°	*545.1*	543.9	543.2	540.9	535.5	524.4	508.7	487.9	463.8	436.2	398.9
102.5°	*521.3*	521.3	520.9	518.6	511.7	502.5	488.3	469.9	449.2	422.7	387.4
105°	*500.2*	498.3	497.5	495.2	489.9	479.9	468.0	451.9	432.7	408.1	375.9
107.5°	*476.4*	474.9	474.5	471.1	466.8	457.6	447.7	432.7	416.6	394.7	364.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*452.3*	451.5	451.1	447.7	442.3	436.2	425.8	413.9	399.7	379.8	352.9
112.5°	*428.5*	427.7	427.7	425.0	420.0	412.4	405.1	394.7	382.1	364.8	339.9
115°	*405.1*	403.9	403.5	400.5	395.5	389.7	382.4	375.2	364.4	349.8	327.2
117.5°	*381.7*	380.1	380.5	377.8	374.0	368.3	361.3	356.4	347.2	333.7	314.6
120°	*357.5*	357.9	357.9	354.4	351.0	346.4	340.6	335.6	329.5	317.6	300.0
122.5°	*334.5*	335.3	335.3	333.0	328.7	324.5	320.7	316.1	310.7	301.5	285.8
125°	*311.5*	313.0	312.2	310.3	306.9	302.3	299.6	295.8	291.5	283.9	270.1
127.5°	*290.4*	290.4	288.5	288.8	285.4	281.6	279.3	276.6	272.4	265.1	253.9
130°	*268.5*	268.9	269.3	267.0	263.9	260.8	258.5	257.4	253.9	247.8	236.7
132.5°	*248.6*	248.6	247.8	246.3	243.6	241.3	241.3	237.8	235.1	229.4	219.8
135°	*229.0*	228.6	228.6	227.1	225.2	224.0	221.3	219.8	217.1	211.7	204.5
137.5°	*209.8*	210.6	209.8	208.7	206.8	205.2	203.3	202.9	199.1	195.3	187.2
140°	*191.4*	192.6	191.4	191.0	189.5	187.6	186.4	184.9	183.7	178.8	171.9
142.5°	*174.2*	174.9	174.2	173.8	172.6	171.1	170.3	169.2	166.5	163.4	157.7
145°	*159.2*	158.8	158.8	158.4	156.9	155.7	154.6	153.8	152.3	149.2	142.7
147.5°	*144.6*	143.5	144.2	143.5	142.3	141.5	141.2	139.6	138.1	135.0	130.4
150°	*129.7*	130.4	130.0	129.7	128.5	128.5	127.4	126.2	125.1	121.6	118.5
152.5°	*117.4*	117.4	117.8	117.0	116.6	115.5	114.7	114.3	112.8	110.5	107.0
155°	*107.0*	106.6	106.6	106.6	105.9	104.7	104.3	103.6	102.8	100.1	97.1
157.5°	*97.1*	97.1	97.1	96.7	96.7	95.5	95.1	94.0	92.8	91.3	88.6
160°	*88.6*	88.6	88.2	88.2	87.8	87.5	86.7	85.5	84.8	83.6	81.3
162.5°	*81.7*	81.3	81.3	80.9	80.6	79.8	79.4	79.0	77.9	76.7	74.8
165°	*75.2*	75.2	75.2	74.8	74.4	74.0	73.7	72.9	72.1	71.3	70.2
167.5°	*70.2*	70.2	70.2	69.8	69.8	69.4	69.0	68.3	67.5	66.7	66.0
170°	*66.4*	66.4	66.4	66.0	65.6	65.2	64.8	64.4	64.1	63.3	62.9
172.5°	*63.3*	63.3	63.3	63.3	62.5	62.1	61.8	61.8	61.4	61.0	60.6
175°	*60.6*	60.6	60.6	60.6	60.2	59.8	59.5	59.5	59.1	58.7	58.3
177.5°	*59.1*	59.1	59.1	58.7	58.7	58.3	57.9	57.9	57.5	57.5	57.2
180°	*57.2*	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
2.5°	33.0	31.5	28.8	26.5	24.6	22.6	21.5	20.3	20.3	20.7	19.9
5°	39.9	37.2	32.2	26.9	22.2	18.4	15.3	12.7	10.4	9.2	9.2
7.5°	52.9	49.9	43.0	36.1	29.5	23.4	18.4	14.2	10.7	8.8	8.4
10°	67.9	64.4	54.9	46.4	38.4	30.7	24.2	18.4	14.6	12.7	12.3
12.5°	85.2	80.6	69.0	58.3	47.9	38.4	30.3	23.8	19.9	18.0	17.6
15°	105.1	97.8	84.8	71.3	57.9	46.0	36.4	29.2	24.9	22.2	22.2
17.5°	123.1	115.5	99.7	82.5	67.1	53.3	41.8	33.0	27.2	24.6	24.2
20°	143.8	133.5	114.7	94.7	76.0	59.1	45.3	35.3	28.4	24.9	24.9
22.5°	164.9	154.2	131.2	107.0	84.4	64.4	48.7	36.8	29.2	25.3	24.9
25°	189.9	175.3	147.7	120.4	94.0	70.2	51.8	38.4	29.9	26.1	25.3
27.5°	214.0	199.1	166.9	133.9	102.8	76.0	54.5	39.9	30.7	26.5	26.1
30°	239.4	221.0	184.5	147.7	112.0	80.9	57.2	41.0	31.1	26.9	26.1
32.5°	264.7	244.4	204.1	161.1	120.8	85.5	59.5	41.8	31.8	27.2	26.5
35°	290.4	268.5	222.9	174.5	128.9	89.8	61.0	42.6	32.2	27.2	26.9
37.5°	312.6	289.6	240.5	186.8	135.8	93.2	62.5	43.3	32.2	27.6	27.2
40°	334.9	309.9	255.9	197.2	141.9	95.9	63.7	43.7	32.6	28.0	27.6
42.5°	354.8	327.2	269.3	206.4	146.9	97.8	64.1	43.7	33.0	28.4	28.0
45°	372.9	344.9	281.9	215.2	151.1	99.0	64.4	44.1	33.4	28.8	28.4
47.5°	389.4	359.4	293.5	222.5	154.6	100.1	64.4	44.1	33.8	29.5	28.8
50°	403.2	371.7	303.0	228.6	156.9	100.5	64.1	44.1	34.1	29.9	29.5
52.5°	413.9	382.1	311.1	232.8	158.4	100.1	63.7	44.1	34.5	30.3	29.9
55°	423.1	390.5	316.9	236.3	158.8	99.4	63.3	44.1	34.9	31.1	30.7
57.5°	430.0	396.6	321.8	239.0	159.2	98.6	62.5	44.1	35.3	31.5	31.1
60°	435.4	402.0	325.7	240.5	158.8	97.4	62.1	44.1	35.7	32.2	31.8
62.5°	439.2	405.1	328.0	240.9	157.7	96.3	61.4	44.1	36.1	33.0	32.6
65°	441.5	407.4	329.9	241.3	156.5	95.1	61.0	44.5	36.8	34.1	33.8
67°	*442.3*	*408.5*	*330.3*	*241.3*	*155.7*	*94.4*	*61.0*	*44.9*	*37.6*	*34.5*	*34.1*
67.5°	442.7	408.5	330.3	240.9	155.4	94.4	61.0	44.9	37.6	34.9	34.5
70°	442.3	408.5	330.3	240.1	154.2	93.6	60.6	45.6	38.7	36.1	35.7
72.5°	441.5	407.8	329.5	239.0	152.7	92.8	61.0	46.4	39.9	37.2	36.8
75°	439.6	406.2	328.0	237.4	151.5	92.1	61.4	47.2	41.0	38.7	38.4
77.5°	437.7	404.3	326.8	235.9	150.4	92.1	61.8	48.3	42.6	40.3	39.9
80°	434.2	401.6	324.5	234.4	149.2	91.7	62.5	49.9	44.1	41.8	41.4
82.5°	430.0	397.8	321.5	232.1	148.1	91.7	63.7	51.0	45.6	43.3	43.0
85°	424.3	392.8	317.6	229.0	146.9	92.1	64.4	52.6	47.2	45.3	44.9
87.5°	417.7	386.7	313.0	226.3	145.8	92.1	65.6	54.1	48.7	46.8	46.8
90°	410.1	380.1	307.6	223.3	144.6	92.8	67.1	55.6	50.6	48.7	48.7
92.5°	403.2	373.2	303.4	220.2	143.8	93.6	68.7	57.5	52.6	50.6	50.6
95°	394.0	366.0	297.3	217.5	143.5	94.4	70.2	59.5	54.9	52.9	52.6
97.5°	385.1	357.9	291.9	214.4	143.1	95.9	72.1	61.8	56.8	54.9	54.9
100°	375.5	349.8	285.8	211.7	143.1	97.8	74.8	64.1	59.5	57.5	57.2
102.5°	366.3	341.0	279.6	209.1	143.8	99.7	77.5	66.7	62.1	60.2	59.8
105°	356.0	331.8	274.3	206.8	144.6	102.4	80.6	70.2	65.2	63.3	62.9
107.5°	345.6	323.4	268.1	204.8	146.2	105.9	84.4	73.7	68.7	66.4	66.0

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

Scaled Data Report

REPORT NUMBER: P1045865
CATALOG NUMBER: FFX-CLB-30-750-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	334.5	314.2	262.8	203.3	148.5	109.7	88.6	78.3	72.5	70.2	69.8
112.5°	324.1	305.0	257.0	202.2	150.8	114.3	93.6	82.5	77.1	74.0	73.7
115°	312.6	295.4	251.6	201.0	153.4	118.9	99.0	87.1	81.3	78.3	78.3
117.5°	301.5	285.4	245.5	199.9	156.1	123.9	104.0	92.1	85.5	82.5	82.1
120°	288.5	274.7	239.0	197.6	157.7	127.7	108.2	96.3	89.0	85.9	85.5
122.5°	275.4	262.8	230.5	194.1	158.0	130.0	111.2	99.7	92.1	88.6	88.2
125°	260.5	249.7	221.7	188.7	156.9	131.2	113.2	100.9	93.2	89.4	89.0
127.5°	245.9	235.5	211.4	182.2	153.8	130.0	112.8	100.9	93.2	89.0	88.6
130°	230.2	221.0	199.1	174.2	148.8	127.4	111.2	99.4	91.7	87.5	87.1
132.5°	214.0	206.4	187.2	165.3	142.7	123.1	107.8	96.7	89.0	85.2	84.8
135°	198.3	191.4	174.9	155.4	136.2	118.1	104.0	93.2	85.5	82.1	82.1
137.5°	183.4	176.8	162.3	145.8	128.5	112.4	99.4	89.0	82.5	79.0	78.3
140°	168.0	162.6	150.0	135.4	120.4	106.3	94.4	84.8	78.6	75.6	75.2
142.5°	153.8	149.2	138.5	126.6	112.8	100.5	89.4	81.3	75.6	72.5	72.1
145°	140.4	136.2	127.0	116.2	105.1	94.4	84.4	77.1	72.1	69.8	69.4
147.5°	127.0	124.3	116.6	107.8	97.4	87.8	79.8	73.7	69.0	67.1	66.7
150°	115.8	112.4	106.6	98.6	90.5	82.5	75.6	70.2	66.7	64.8	64.8
152.5°	104.7	102.8	97.1	90.9	84.0	77.5	71.3	67.1	64.4	62.9	62.9
155°	96.3	93.6	88.6	83.6	77.9	72.5	68.3	64.8	62.5	61.4	61.0
157.5°	87.5	85.9	82.1	77.5	73.3	69.0	65.6	62.9	61.0	60.2	59.8
160°	80.2	79.0	76.0	72.5	69.0	66.0	63.3	61.4	59.8	59.1	59.1
162.5°	74.0	73.3	70.6	68.3	65.6	63.3	61.4	59.8	59.1	58.7	58.7
165°	69.4	68.7	66.7	64.8	63.3	61.4	60.2	59.1	58.3	58.3	58.3
167.5°	65.6	64.8	63.7	62.5	61.4	59.8	59.1	58.3	58.3	57.9	57.9
170°	62.5	62.1	61.0	60.2	59.5	58.7	58.3	57.9	57.5	57.5	57.5
172.5°	60.2	59.8	59.1	58.7	57.9	57.5	57.5	57.5	57.5	57.5	57.5
175°	58.3	57.9	57.9	57.5	57.2	57.2	56.8	57.2	57.2	57.2	57.2
177.5°	57.2	57.2	56.8	56.8	56.8	56.8	56.8	57.2	57.2	57.5	57.5
180°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2

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: SP1-2501-332-10

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

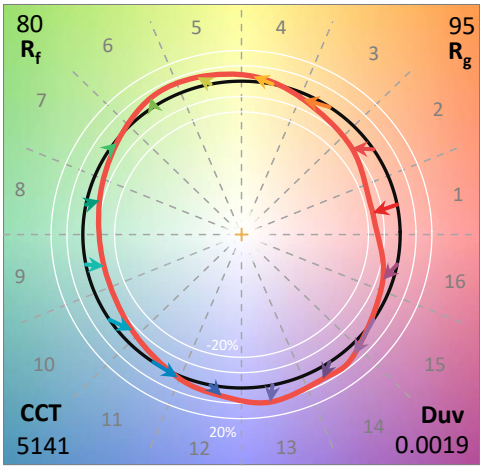
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-10
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-20-750-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	5141	CRI (Ra):	78.0		
CIE u':	0.2087	R1:	75.1	R9:	-20.0
CIE v':	0.4845	R2:	83.7	R10:	62.4
Duv:	0.0019	R3:	90.5	R11:	77.7
CIE x:	0.3415	R4:	78.3	R12:	58.6
CIE y:	0.3524	R5:	77.1	R13:	76.9
CIE z:	0.3060	R6:	78.0	R14:	95.0
Peak Wavelength (nm):	448	R7:	82.9	R15:	67.8
Dominant Wavelength (nm):	568	R8:	58.7		
Purity:	8.219556				
Rf:	79.6				
Rg:	95.3				



Test Conditions

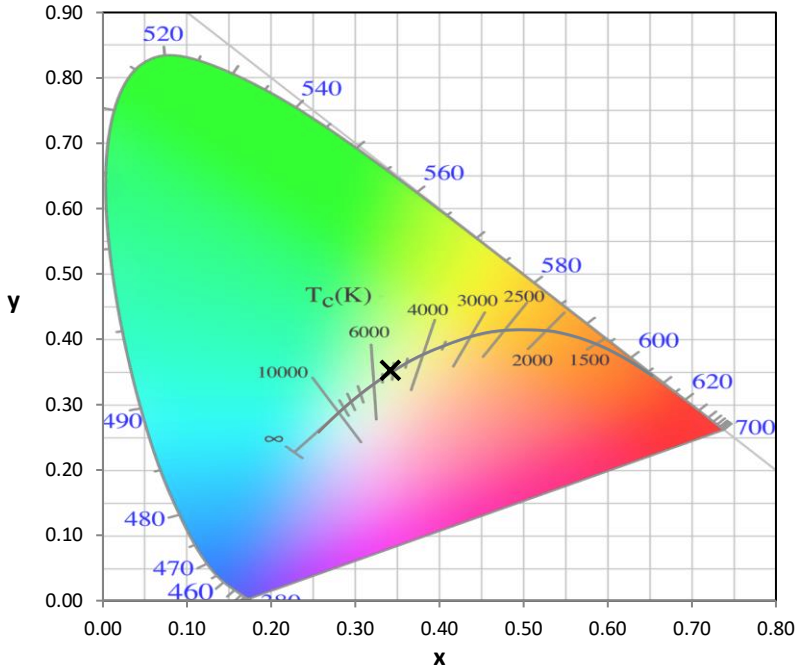
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-10

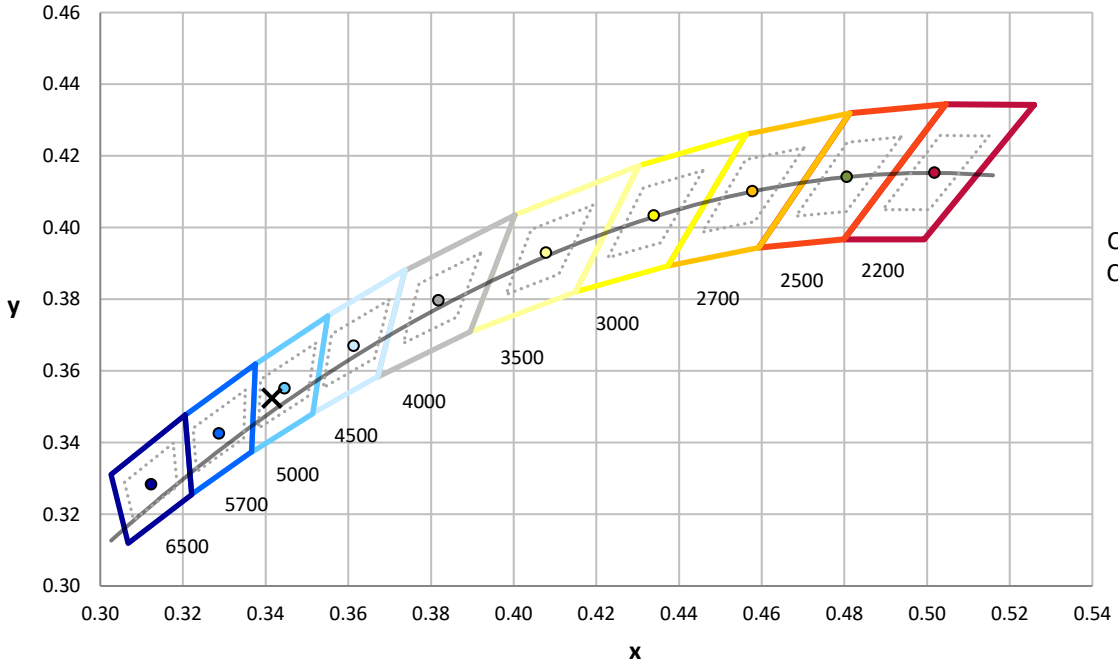
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-10

CIE 1931 Chromaticity Diagram



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

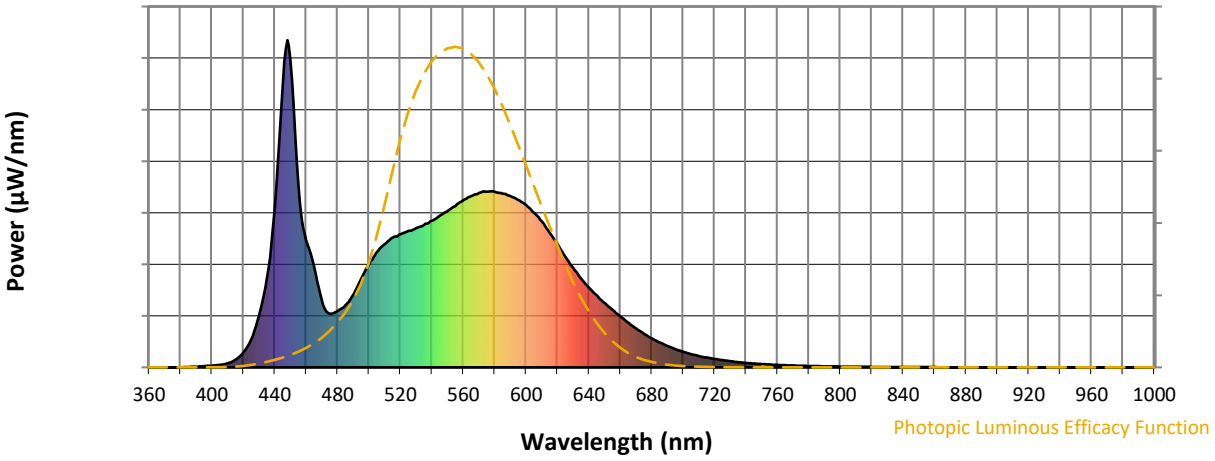


CCT = 5141K
CIE x = 0.3415
CIE y = 0.3524
Duv = 0.0019

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-10

Photopic Flux vs. Wavelength

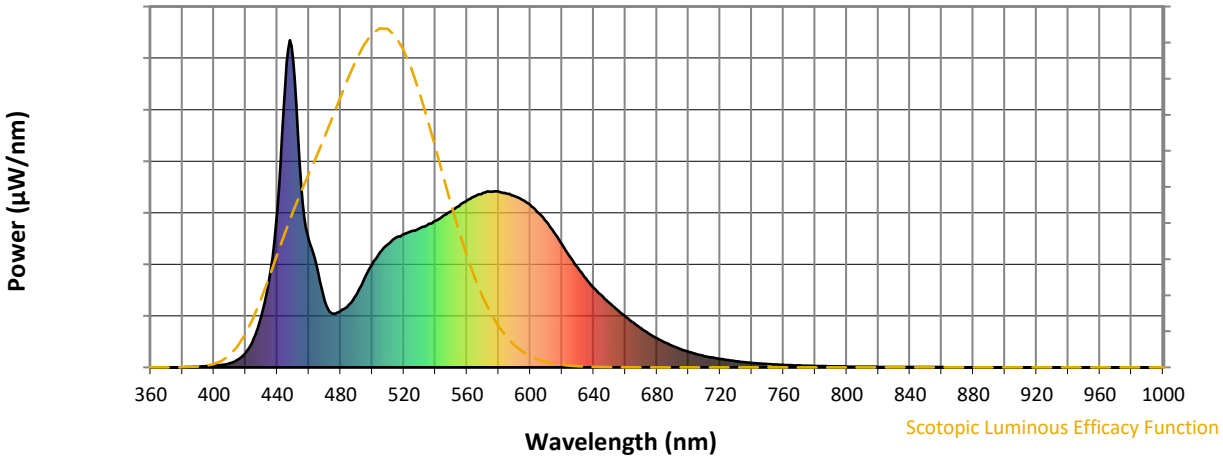


Photopic Lumens: NR

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Scotopic Flux vs. Wavelength

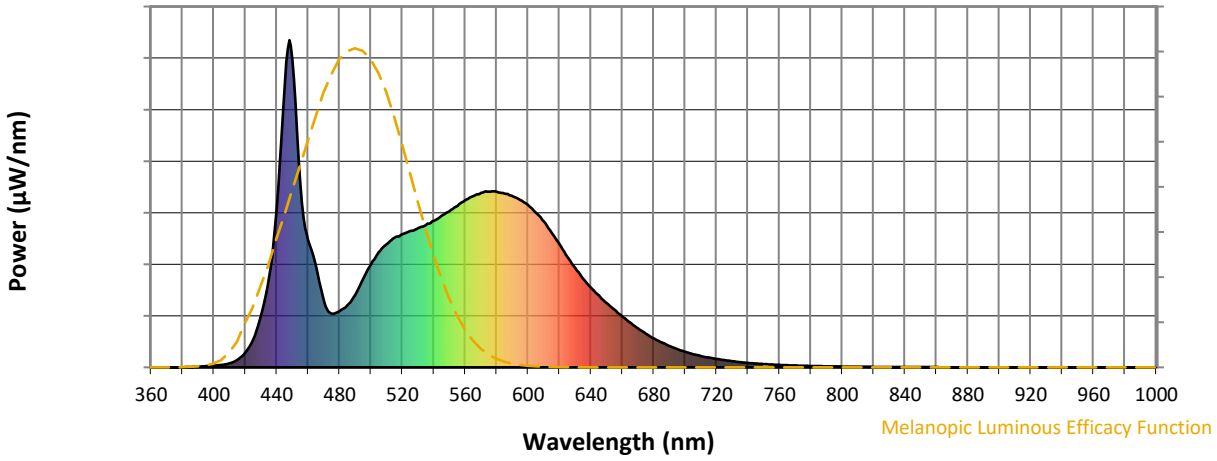


Scotopic Lumens: NR **S/P: 1.92**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.05**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

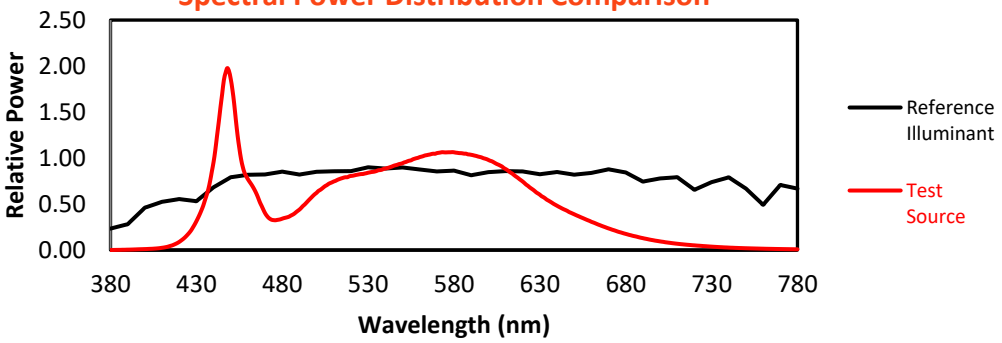
REPORT NUMBER: SP1-2501-332-10

TM-30-18

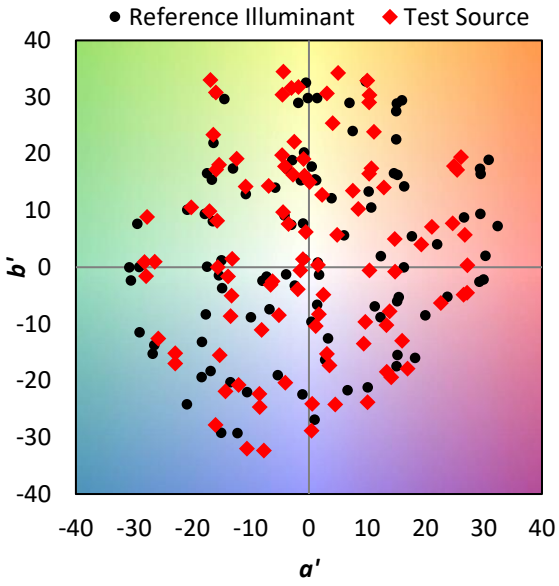
Summary

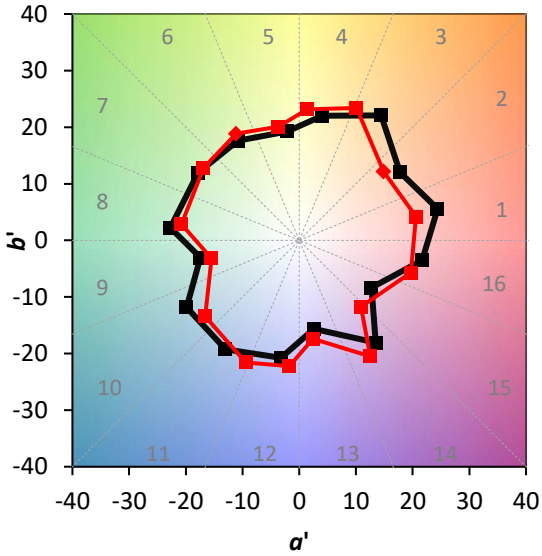
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R_g = 95.3
CIE R_a = 78.0
R_9 = -20.0

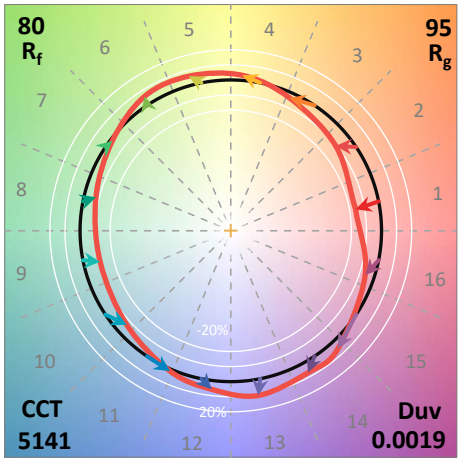
Spectral Power Distribution Comparison

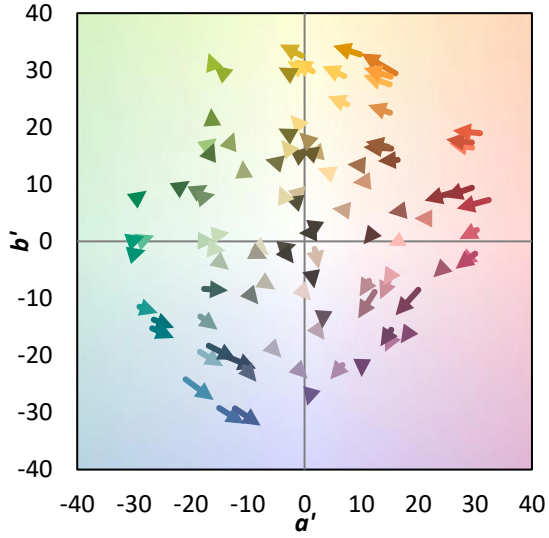


Color Vector Graphics







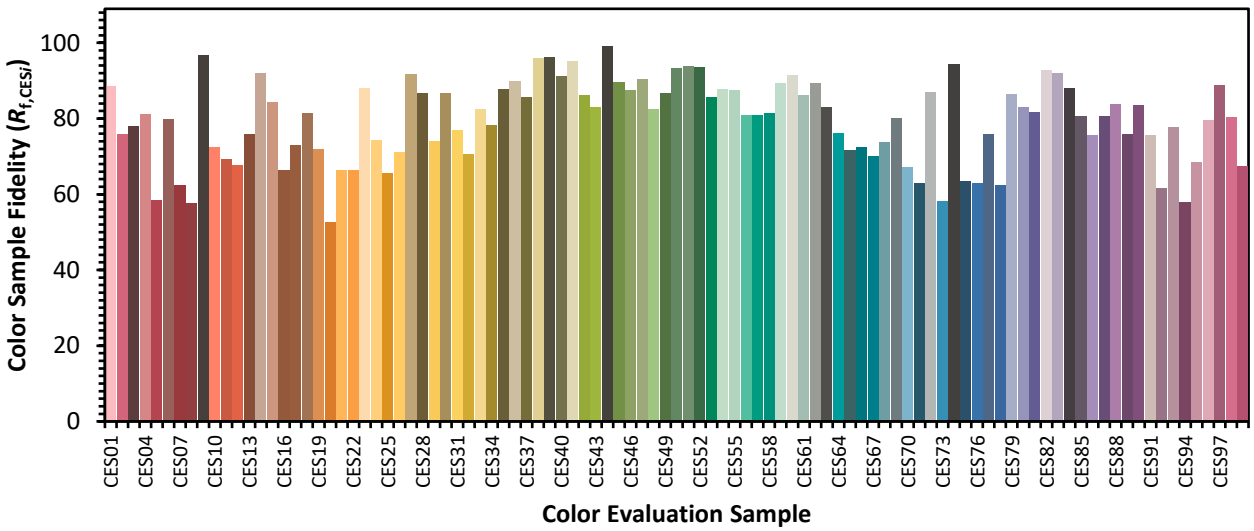


REPORT NUMBER: SP1-2501-332-10

TM-30-18

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

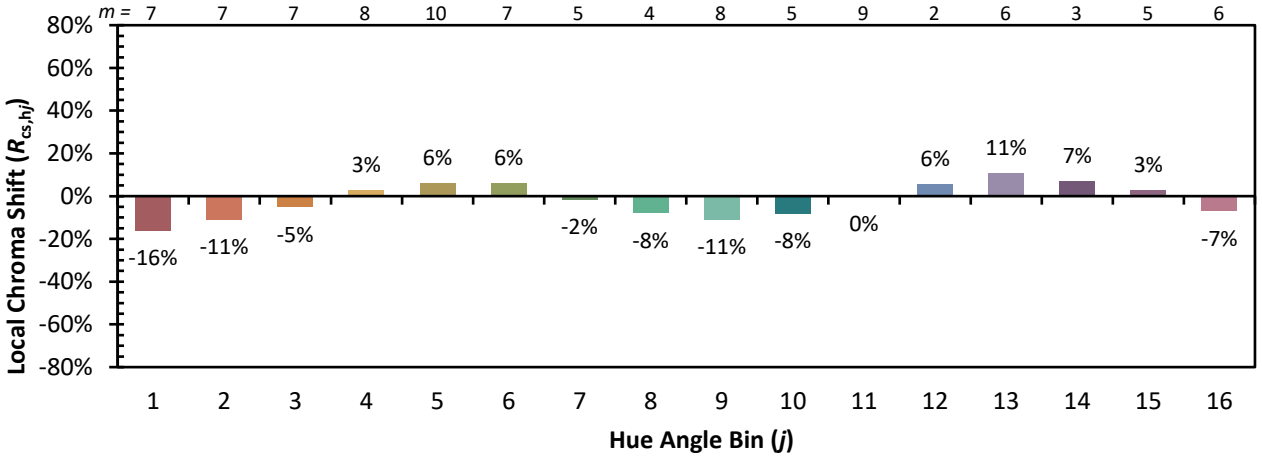
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CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 76
CES03 = 30	CES28 = 87	CES53 = 86	CES78 = 63
CES04 = 69	CES29 = 74	CES54 = 88	CES79 = 86
CES05 = 46	CES30 = 87	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 77	CES56 = 81	CES81 = 82
CES07 = 39	CES32 = 70	CES57 = 81	CES82 = 93
CES08 = 38	CES33 = 83	CES58 = 82	CES83 = 92
CES09 = 29	CES34 = 78	CES59 = 89	CES84 = 88
CES10 = 73	CES35 = 88	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 90	CES61 = 86	CES86 = 76
CES12 = 61	CES37 = 86	CES62 = 89	CES87 = 81
CES13 = 42	CES38 = 96	CES63 = 83	CES88 = 84
CES14 = 74	CES39 = 96	CES64 = 76	CES89 = 76
CES15 = 70	CES40 = 91	CES65 = 72	CES90 = 83
CES16 = 46	CES41 = 95	CES66 = 72	CES91 = 76
CES17 = 49	CES42 = 86	CES67 = 70	CES92 = 62
CES18 = 55	CES43 = 83	CES68 = 74	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 58
CES20 = 64	CES45 = 90	CES70 = 67	CES95 = 68
CES21 = 85	CES46 = 88	CES71 = 63	CES96 = 79
CES22 = 77	CES47 = 90	CES72 = 87	CES97 = 89
CES23 = 91	CES48 = 83	CES73 = 58	CES98 = 80
CES24 = 90	CES49 = 87	CES74 = 94	CES99 = 67
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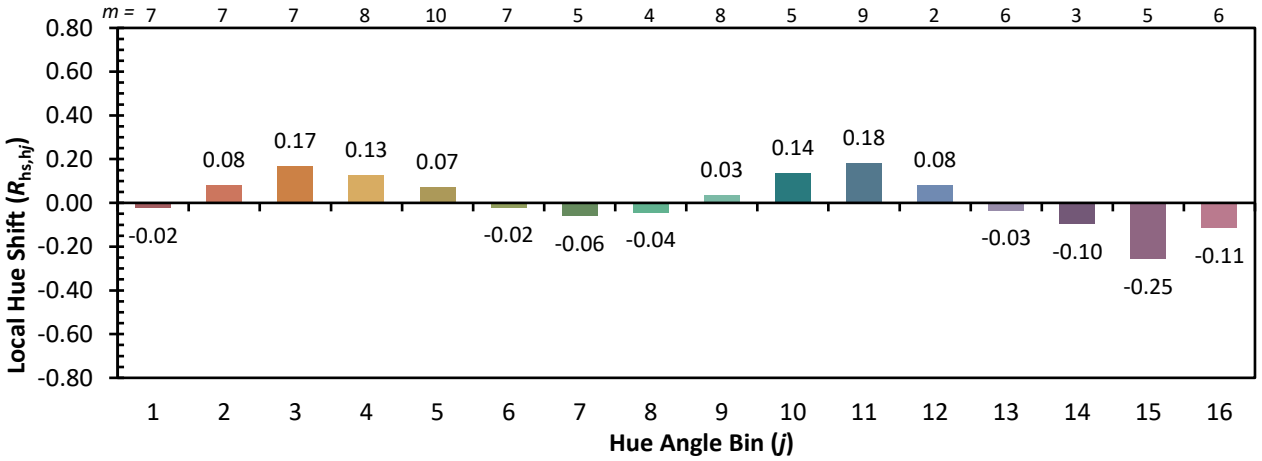


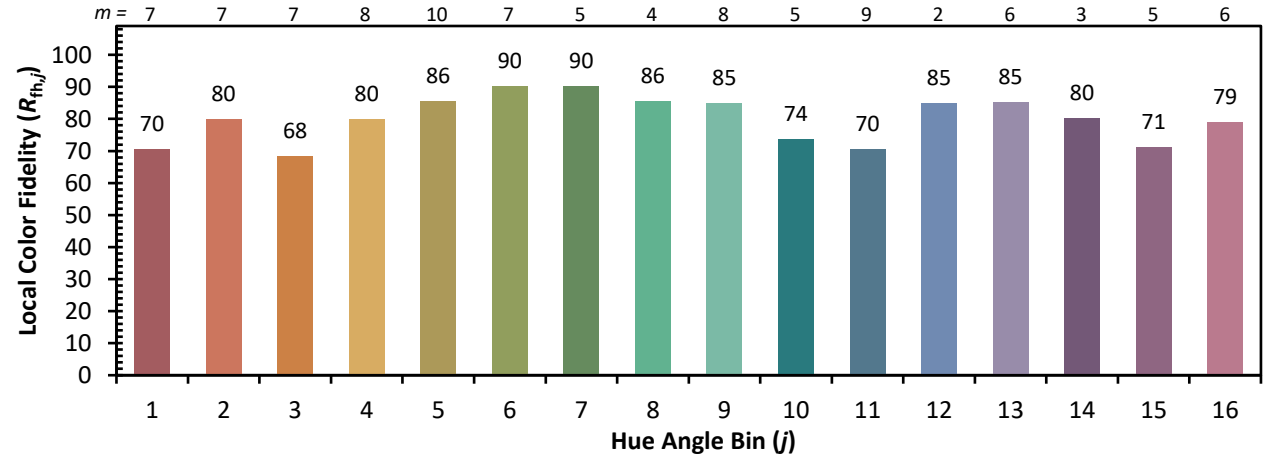
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Color Rendition by Hue-Angle Bin



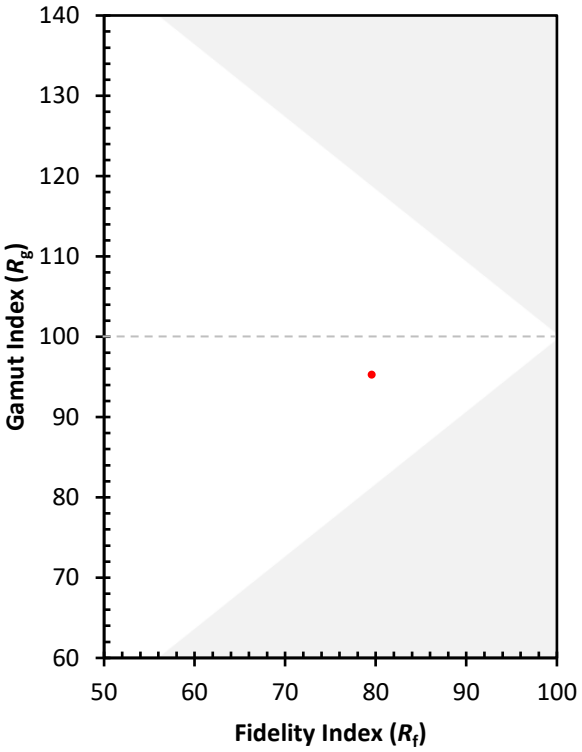


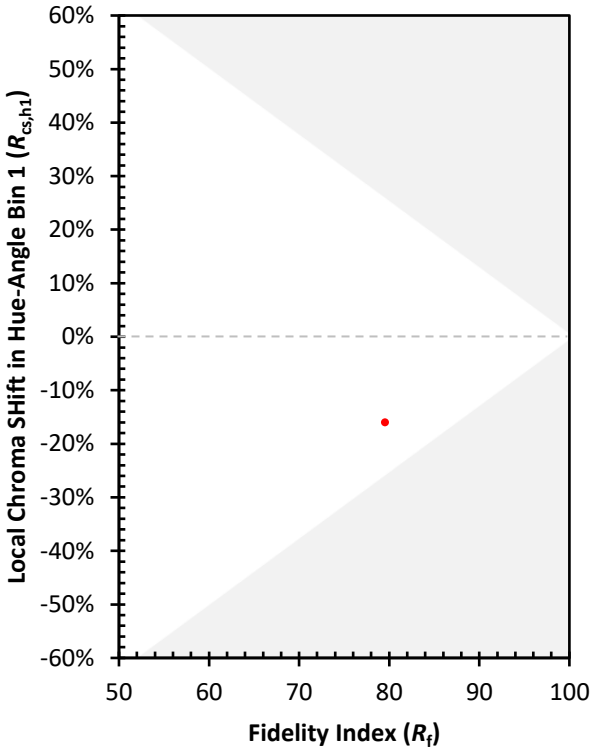


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Measure Comparisons





(END OF REPORT)