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: P1046260

Luminaire Tested: **FFX-CLB-40-740-U-FR-T4-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:	P1046260
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-740-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5887.8 lumens
Efficiency:	N/A
Efficacy:	149.4 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):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

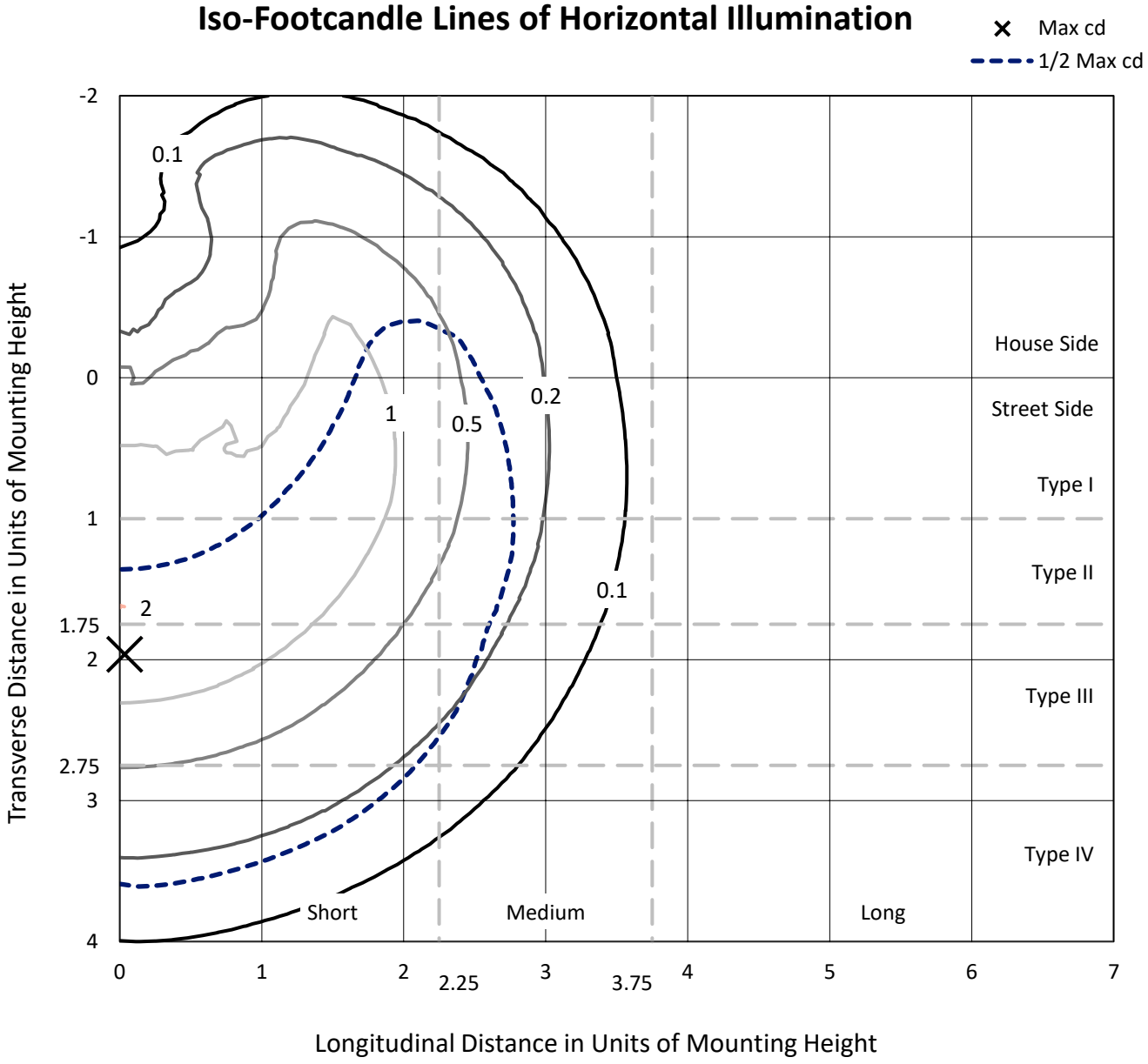


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Iso-Footcandle Lines of Horizontal Illumination



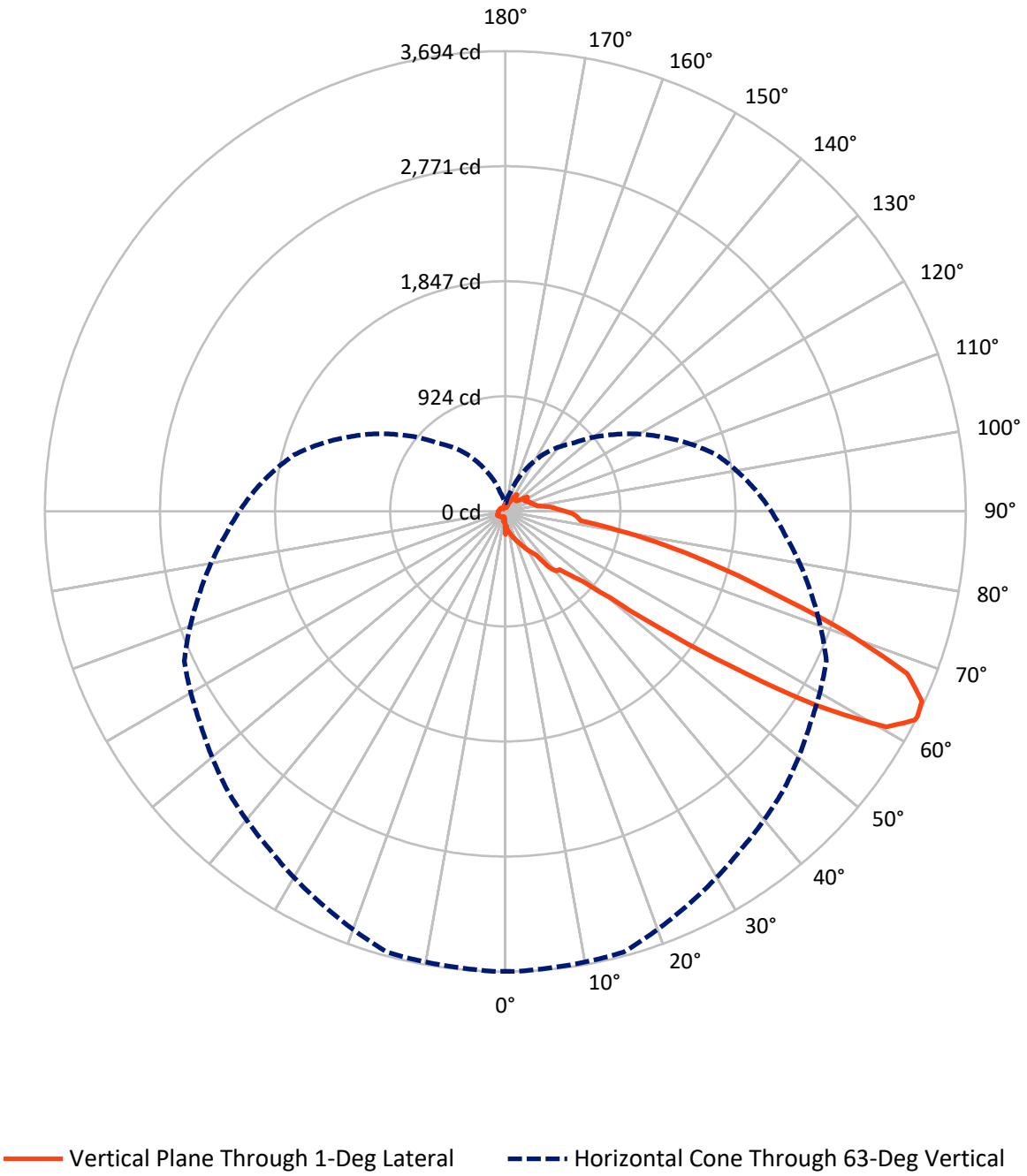
Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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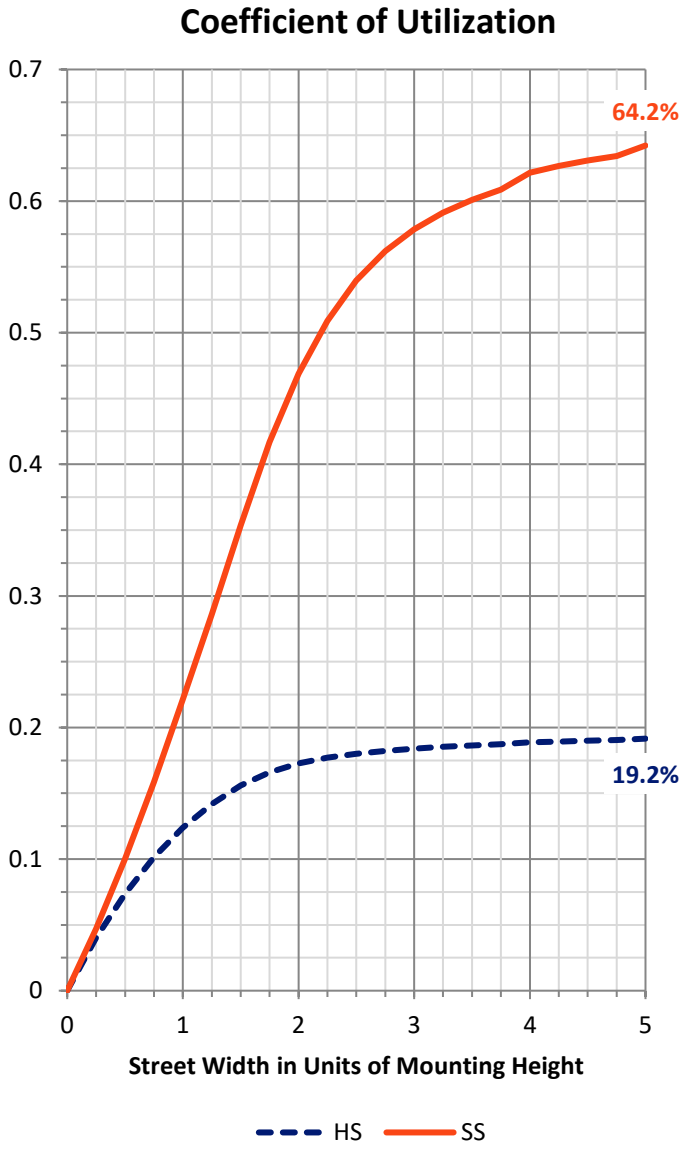
REPORT NUMBER: P1046260
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1165.8	233.5	1399.3
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	3949.4	539.1	4488.5
	% Fixture	67.1	9.2	76.2
Total	Lumens	5115.2	772.7	5887.8
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.2
10°-20°	38.7	0.7
20°-30°	85.4	1.5
30°-40°	174.8	3.0
40°-50°	353.1	6.0
50°-60°	1139.7	19.4
60°-70°	1877.6	31.9
70°-80°	1035.0	17.6
80°-90°	399.9	6.8
90°-100°	239.7	4.1
100°-110°	152.7	2.6
110°-120°	116.8	2.0
120°-130°	99.7	1.7
130°-140°	66.8	1.1
140°-150°	56.9	1.0
150°-160°	25.9	0.4
160°-170°	10.5	0.2
170°-180°	3.6	0.1
0°-90°	5115.2	86.9
0°-180°	5887.8	100.0



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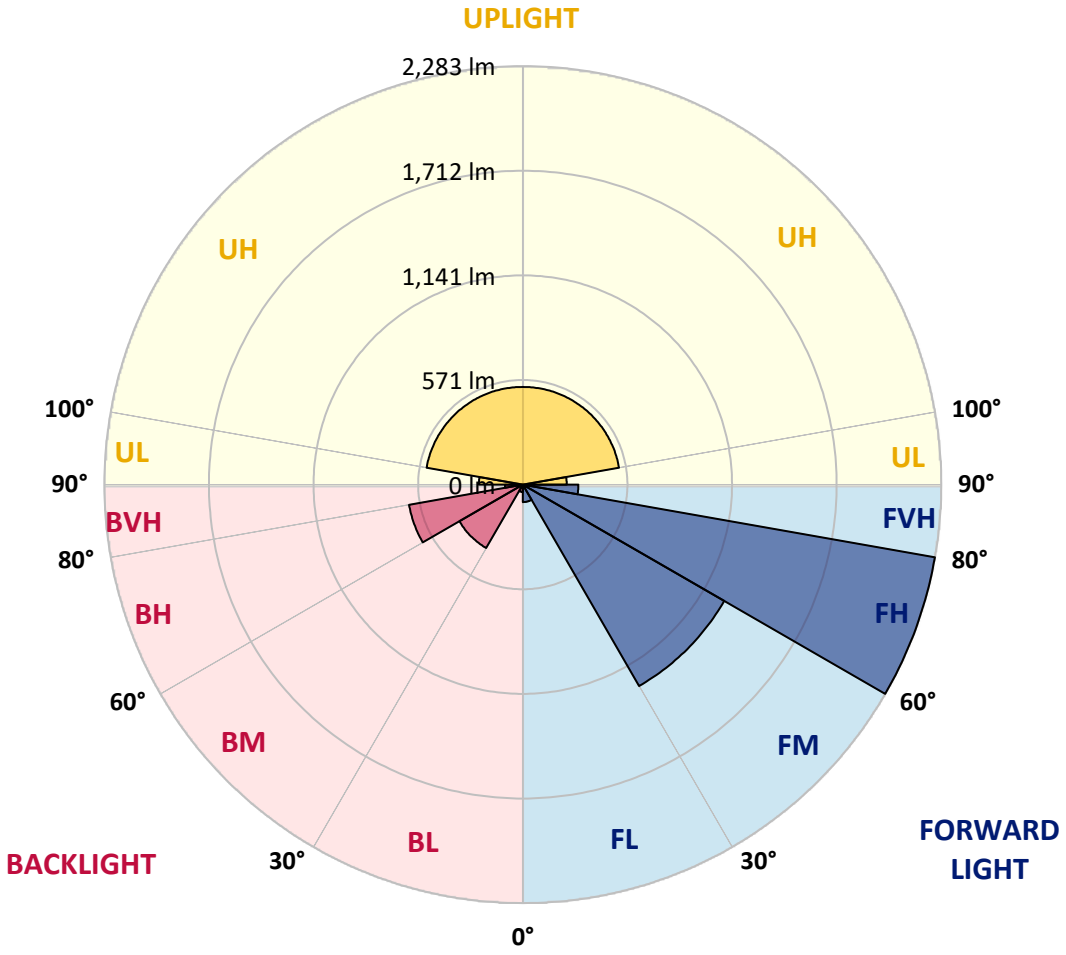
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	95.4	1.6			
FM	(30°-60°)	1268.5	21.5			
FH	(60°-80°)	2282.6	38.8			G2/5000
FVH	(80°-90°)	303.0	5.1			G3/500
BL	(0°-30°)	39.8	0.7	B0/110		
BM	(30°-60°)	399.1	6.8	B1/1000		
BH	(60°-80°)	630.0	10.7	B2/1000		G2/1000
BVH	(80°-90°)	96.9	1.6			G1/100
UL	(90°-100°)	239.7	4.1		U3/500	
UH	(100°-180°)	532.9	9.1		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2.5°	115.2	113.9	119.4	136.1	154.5	160.4	148.3	143.7	157.1	188.1	191.4
5°	132.8	134.9	133.6	135.7	137.4	150.4	162.1	149.9	121.5	99.3	100.9
7.5°	156.6	156.2	156.2	154.5	146.2	132.8	129.0	138.6	139.1	116.4	98.8
10°	167.1	166.7	166.7	165.0	163.3	164.6	160.4	142.8	128.6	119.4	113.5
12.5°	189.3	188.5	188.1	187.2	184.3	180.9	178.0	178.8	166.7	143.7	128.6
15°	207.7	206.9	207.7	208.6	206.5	200.6	192.2	180.5	169.6	160.0	146.6
17.5°	227.8	227.4	227.0	226.2	223.2	215.3	205.2	194.3	182.2	168.8	156.2
20°	247.1	246.3	246.7	247.1	245.9	236.2	226.2	212.8	199.8	186.8	172.1
22.5°	270.1	270.1	268.9	268.9	267.6	261.8	249.2	233.7	220.3	204.0	187.6
25°	299.9	298.6	298.6	297.4	292.3	286.1	277.3	259.7	243.8	228.3	206.5
27.5°	329.2	327.9	327.9	327.5	321.2	312.9	298.2	281.5	266.4	246.7	220.3
30°	362.7	361.9	362.3	357.7	352.7	340.9	322.5	303.2	283.5	260.5	235.0
32.5°	396.6	394.1	393.7	388.7	382.0	367.7	347.2	328.8	308.3	281.5	260.1
35°	436.4	431.0	436.8	435.6	434.7	419.7	396.2	374.9	350.6	326.3	303.2
37.5°	567.9	570.4	569.2	552.4	539.0	518.5	508.0	482.9	449.4	419.7	376.1
40°	629.9	629.1	627.0	608.6	596.4	575.1	558.3	539.5	519.8	473.3	419.3
42.5°	643.3	638.7	642.1	659.2	675.2	660.9	607.7	547.0	519.4	486.7	458.6
45°	741.3	729.6	734.6	739.2	723.7	703.2	680.2	640.8	594.3	547.4	495.9
47.5°	846.0	839.8	839.3	837.7	839.3	819.7	789.1	752.6	686.9	636.2	578.8
50°	1101.1	1092.7	1095.2	1097.3	1088.5	1068.4	1035.4	1011.5	932.7	835.6	761.0
52.5°	1568.9	1563.9	1552.2	1553.0	1473.9	1469.7	1424.9	1403.5	1287.5	1176.5	1026.1
55°	2146.5	2179.2	2143.2	2136.0	2103.4	2074.1	1961.8	1868.8	1702.5	1543.0	1366.6
57.5°	2928.9	2934.3	2888.7	2889.9	2773.9	2700.2	2596.8	2454.4	2206.8	1976.5	1778.8
60°	3498.9	3512.7	3491.4	3447.0	3222.5	3090.6	2976.6	2864.4	2675.5	2333.3	2058.1
62.5°	3684.5	3688.6	3675.2	3651.8	3453.7	3285.3	3138.7	2975.8	2830.9	2522.6	2246.2
63°	3691.2	3694.1	3683.6	3663.5	3479.7	3305.0	3158.4	2984.2	2842.2	2539.4	2257.5
65°	3673.2	3674.4	3669.8	3643.0	3496.0	3311.3	3150.0	2978.3	2848.1	2546.1	2257.5
67.5°	3511.1	3479.2	3492.6	3447.4	3325.1	3141.2	2987.1	2812.0	2694.8	2402.8	2126.4
70°	2888.7	2890.8	2888.7	2864.0	2829.2	2683.9	2503.8	2346.3	2198.0	1968.9	1752.0
72.5°	2234.9	2243.7	2224.4	2238.7	2210.6	2090.4	1974.0	1814.4	1710.1	1515.8	1324.3
75°	1731.0	1749.0	1754.9	1714.3	1690.0	1664.4	1600.8	1486.0	1381.7	1231.4	1064.3
77.5°	1308.0	1311.4	1316.4	1288.7	1256.9	1267.0	1257.8	1203.3	1115.8	1005.2	872.4
80°	903.8	913.5	929.8	913.9	917.7	911.8	910.5	867.0	803.7	734.2	663.0
82.5°	607.3	606.9	611.1	636.6	660.1	659.2	622.0	560.8	528.6	508.5	468.3
85°	581.3	581.3	587.2	568.8	557.0	545.3	542.8	521.9	497.2	451.9	396.2
87.5°	542.0	540.7	542.4	526.5	511.0	507.2	503.4	485.4	474.5	435.2	384.1
90°	463.6	467.0	467.0	465.7	456.1	452.3	437.3	422.2	415.5	379.9	339.7
92.5°	409.2	409.2	413.8	405.8	395.4	401.2	375.3	355.6	346.4	322.5	290.7
95°	369.8	368.6	374.4	363.1	355.6	344.7	333.8	313.3	306.6	286.1	253.8
97.5°	295.3	294.0	297.4	291.9	280.2	275.2	263.4	247.1	240.8	221.6	201.9
100°	254.2	253.8	255.1	252.1	245.4	239.2	229.1	216.1	210.3	194.3	176.7
102.5°	241.2	240.0	240.4	240.8	231.2	225.3	215.7	205.6	199.8	186.8	167.5
105°	229.5	228.7	227.8	227.8	217.0	211.1	204.8	198.1	193.1	178.8	160.4
107.5°	218.6	217.4	214.4	214.0	206.9	200.6	193.1	187.2	182.2	169.2	151.6

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	206.5	*206.1*	204.4	204.8	200.2	190.6	184.3	177.2	170.9	159.6	144.1
112.5°	200.2	*200.2*	198.9	201.0	183.4	173.8	167.1	160.8	156.6	145.8	134.0
115°	193.5	*190.1*	188.9	193.1	173.0	159.6	152.9	146.2	142.0	131.1	121.5
117.5°	179.3	*178.4*	178.8	182.2	176.3	161.7	150.8	142.4	138.2	130.3	121.5
120°	204.4	*203.6*	198.5	197.7	187.6	175.9	168.8	164.2	157.9	144.9	128.2
122.5°	213.6	*211.9*	204.0	206.5	193.1	187.2	184.3	182.6	176.7	159.6	134.0
125°	186.0	*183.4*	181.4	182.2	174.7	167.1	164.2	161.7	155.8	146.2	127.7
127.5°	149.1	*150.4*	148.7	144.1	142.8	131.5	127.7	124.8	119.4	111.4	108.5
130°	139.9	*139.1*	138.6	137.8	137.0	128.6	122.7	115.6	111.0	104.3	96.3
132.5°	124.4	*125.2*	126.5	133.6	140.3	133.2	118.1	107.2	104.3	105.5	102.2
135°	118.1	*118.5*	118.5	124.0	129.8	122.7	111.4	100.9	99.7	104.3	100.1
137.5°	121.0	*123.1*	122.7	121.5	118.1	113.1	110.6	104.7	101.4	98.4	91.3
140°	127.7	*130.3*	129.0	121.9	119.4	116.9	118.5	116.4	108.1	98.0	87.5
142.5°	126.9	*129.0*	128.2	127.3	131.9	126.1	118.1	110.2	103.5	98.0	91.3
145°	164.6	*163.8*	160.4	160.4	155.0	146.2	140.7	132.4	124.4	117.3	106.4
147.5°	152.0	*154.1*	155.0	151.2	148.7	142.8	142.0	137.4	134.9	128.6	117.3
150°	120.6	*122.3*	119.8	116.9	115.6	116.0	113.9	110.6	108.1	103.5	98.4
152.5°	83.3	*84.2*	83.3	80.8	80.0	78.7	79.2	76.6	75.0	72.0	67.4
155°	75.8	*76.2*	76.6	72.5	71.6	72.0	72.5	70.8	67.4	64.9	59.5
157.5°	59.5	*58.6*	58.6	57.8	58.2	57.0	57.0	56.5	55.3	53.6	51.9
160°	47.3	*47.7*	47.7	47.7	48.6	47.7	47.7	46.5	46.5	45.7	44.8
162.5°	40.2	*40.2*	40.2	40.2	39.8	39.8	40.6	40.2	40.2	40.6	41.5
165°	33.9	*34.3*	34.3	34.3	34.3	34.3	35.2	35.2	36.0	37.7	39.8
167.5°	31.8	*31.4*	31.4	31.8	31.8	32.7	32.7	34.3	37.3	40.2	40.2
170°	30.2	*30.2*	30.2	30.6	30.6	31.0	32.3	35.2	38.5	39.8	38.1
172.5°	31.4	*31.0*	31.0	31.4	31.4	32.7	34.3	36.9	38.1	38.1	36.4
175°	32.3	*31.8*	31.8	32.3	32.3	33.1	34.8	36.4	37.3	37.7	37.7
177.5°	31.4	*31.4*	31.4	31.4	31.4	31.8	31.8	33.1	33.9	34.8	35.6
180°	30.2	*30.2*	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2.5°	191.4	174.7	149.9	119.8	139.5	163.8	160.4	141.6	113.1	85.0	85.0
5°	106.0	112.2	118.5	103.9	93.0	92.1	89.6	80.4	79.2	65.3	61.6
7.5°	92.6	86.7	85.4	100.9	99.7	65.8	51.9	46.1	48.6	65.8	67.9
10°	111.0	108.5	100.5	83.8	69.9	63.7	63.2	64.1	58.6	47.3	44.4
12.5°	125.2	121.0	113.9	108.9	93.0	74.1	63.7	59.1	62.4	79.2	82.9
15°	139.1	133.2	121.0	107.2	91.3	77.5	66.6	57.0	57.0	54.4	53.2
17.5°	149.9	142.4	127.7	112.7	94.7	77.5	63.2	53.6	49.0	48.2	48.2
20°	163.8	156.6	140.7	122.3	99.7	78.3	62.8	53.6	48.2	46.1	45.7
22.5°	180.9	171.7	151.2	129.4	102.6	79.2	63.7	54.0	48.6	45.7	44.8
25°	196.9	186.4	162.1	139.5	109.3	81.3	64.5	55.3	49.4	46.1	45.7
27.5°	209.8	198.5	175.9	149.9	116.4	86.3	68.7	57.8	50.7	47.3	46.5
30°	224.5	214.0	190.1	160.8	123.1	92.6	74.6	62.4	54.4	49.8	49.4
32.5°	246.3	233.3	205.6	172.1	131.1	99.3	80.4	66.6	57.0	54.4	54.4
35°	285.6	272.2	235.8	190.6	138.6	106.0	86.3	71.2	60.7	54.9	54.4
37.5°	359.4	340.9	295.3	232.5	151.6	111.4	91.3	75.0	62.8	54.4	53.2
40°	393.3	361.9	313.3	254.6	170.5	117.7	95.5	77.9	63.2	55.7	54.9
42.5°	433.5	407.1	338.4	260.1	184.3	133.2	102.6	81.3	65.8	57.4	56.5
45°	472.0	446.5	388.7	307.4	215.3	156.2	115.2	88.0	69.9	59.9	58.2
47.5°	542.0	515.2	434.7	356.0	258.0	192.2	140.3	98.4	75.8	62.4	60.3
50°	723.7	685.6	591.0	471.6	330.0	244.2	179.7	120.2	83.8	63.7	61.1
52.5°	958.3	900.1	797.5	645.0	472.0	345.5	251.7	174.7	97.6	64.1	60.3
55°	1338.6	1267.0	1101.9	879.1	660.9	515.6	381.1	268.5	143.7	67.0	59.9
57.5°	1699.2	1646.0	1501.9	1202.9	876.6	655.1	501.3	377.8	195.6	73.7	62.8
60°	1964.3	1863.0	1694.6	1388.0	1058.8	760.2	557.9	392.9	201.0	75.0	64.9
62.5°	2122.6	1997.4	1747.8	1414.8	1084.8	782.0	580.5	361.5	162.5	73.3	67.9
63°	*2134.4*	*2012.9*	*1754.5*	*1405.6*	*1076.4*	*776.1*	*577.1*	*353.9*	*157.9*	*72.9*	*68.7*
65°	2119.7	2014.2	1731.0	1357.4	1005.2	724.2	537.4	317.9	128.2	71.6	69.5
67.5°	1974.0	1888.1	1608.3	1227.2	895.0	625.3	444.8	242.5	100.1	68.3	67.4
70°	1652.3	1553.9	1300.1	1014.4	709.5	505.1	354.8	188.1	82.5	64.9	64.1
72.5°	1229.7	1188.6	987.6	771.9	545.7	389.5	266.4	142.8	73.3	62.4	61.6
75°	994.3	932.7	783.2	609.8	415.1	289.4	197.7	107.2	67.0	60.3	59.5
77.5°	822.2	781.1	651.7	460.3	296.1	208.6	145.3	85.0	64.1	59.1	58.6
80°	636.6	611.1	508.5	340.5	211.9	155.4	115.2	77.9	62.8	58.6	58.2
82.5°	449.0	441.0	370.2	254.6	180.1	139.1	107.2	76.6	63.2	59.5	58.6
85°	371.9	354.8	311.6	242.1	170.9	133.2	103.5	75.4	63.2	59.1	58.6
87.5°	362.3	348.0	301.6	226.6	156.6	123.1	97.2	72.5	61.1	57.4	57.0
90°	327.5	313.3	270.1	202.3	147.4	115.6	90.9	68.7	58.6	55.7	54.9
92.5°	279.4	266.4	234.5	183.9	141.1	111.0	88.4	67.4	58.2	54.9	54.4
95°	242.5	231.6	205.6	169.2	130.3	103.5	83.8	64.9	56.5	53.6	53.2
97.5°	193.1	186.4	166.3	137.8	110.2	90.5	75.0	61.1	54.4	51.9	51.5
100°	170.0	164.2	148.3	124.8	102.2	85.4	72.5	59.9	52.8	50.7	50.3
102.5°	159.6	155.0	140.7	117.3	95.9	81.3	69.1	57.8	51.5	49.4	49.0
105°	151.6	147.4	134.4	111.8	90.5	75.8	64.9	55.3	49.4	47.7	47.3
107.5°	142.0	138.6	126.1	103.9	85.0	71.2	61.6	53.2	48.2	46.5	46.5

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

Scaled Data Report

REPORT NUMBER: P1046260
CATALOG NUMBER: FFX-CLB-40-740-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	134.0	131.5	118.5	99.3	81.3	68.3	59.5	52.4	47.7	46.1	46.1
112.5°	125.6	122.7	110.6	93.4	77.9	66.2	57.8	51.1	46.9	45.2	45.2
115°	116.4	113.5	101.8	86.7	73.7	62.8	55.3	49.0	45.2	44.0	44.0
117.5°	118.1	110.6	96.3	82.9	70.4	60.3	53.6	48.2	44.0	43.1	42.7
120°	119.8	110.2	99.7	87.1	72.5	59.1	52.4	46.9	43.6	42.3	42.3
122.5°	116.9	118.1	108.9	89.6	69.1	57.8	51.9	47.3	44.0	42.7	43.1
125°	114.3	117.3	106.4	84.6	66.6	57.4	51.9	48.6	45.7	44.4	44.4
127.5°	105.1	105.5	90.5	75.8	64.9	56.1	51.5	49.0	46.5	44.8	44.0
130°	92.6	91.7	84.6	73.7	61.1	54.0	49.8	48.6	46.1	43.1	42.7
132.5°	99.3	96.8	85.0	69.9	57.8	51.9	49.4	47.7	43.6	40.2	39.8
135°	94.2	91.7	79.6	65.3	56.1	52.8	51.5	47.3	41.0	38.5	38.1
137.5°	85.9	81.7	71.6	62.4	57.0	54.9	51.9	46.5	40.2	37.3	36.9
140°	82.5	78.3	70.4	64.1	57.8	51.1	46.1	41.0	36.9	34.3	33.9
142.5°	86.7	83.3	75.4	64.1	54.0	46.9	42.3	39.0	35.2	31.4	31.0
145°	100.9	94.7	83.8	72.0	61.6	53.2	46.1	39.0	32.3	28.1	27.6
147.5°	111.8	106.8	95.1	81.7	67.0	53.6	43.1	34.3	28.9	26.4	26.0
150°	93.0	90.0	81.3	70.4	59.5	47.3	37.3	30.6	27.2	26.4	26.4
152.5°	64.9	62.8	59.9	52.8	44.4	37.3	31.8	28.5	27.2	26.8	26.8
155°	57.4	56.1	52.4	46.1	40.2	34.8	30.6	28.1	27.6	27.2	27.2
157.5°	49.4	49.0	46.5	41.5	36.9	32.7	29.7	28.5	27.6	27.2	27.2
160°	44.4	43.1	40.6	37.3	34.3	31.8	30.2	29.3	28.5	28.1	28.1
162.5°	41.5	40.6	37.7	35.2	33.5	33.1	33.5	33.1	31.0	29.7	29.3
165°	39.4	39.0	36.0	34.3	33.5	35.6	38.1	37.3	33.5	31.4	31.4
167.5°	39.4	38.5	35.6	34.3	36.4	39.4	41.5	41.0	37.7	35.6	34.3
170°	37.3	36.4	35.6	36.0	39.0	40.2	40.6	41.5	41.9	44.0	44.8
172.5°	36.0	36.0	36.9	38.5	41.0	41.5	40.2	40.6	44.4	49.0	49.4
175°	37.7	37.7	39.4	42.3	43.6	44.4	42.7	43.1	47.3	51.9	52.4
177.5°	36.0	36.4	37.3	37.7	37.3	36.0	35.6	37.3	36.0	35.6	36.9
180°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2

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: SP1-2501-332-11

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

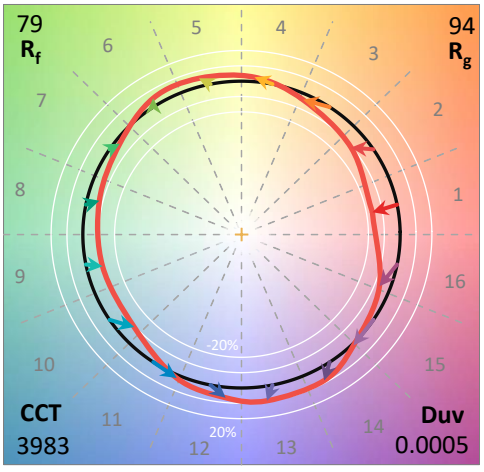
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-11
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-20-740-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):	3983	CRI (Ra):	76.2		
CIE u':	0.2252	R1:	72.6	R9:	-26.0
CIE v':	0.5025	R2:	84.0	R10:	63.7
Duv:	0.0005	R3:	93.4	R11:	72.4
CIE x:	0.3815	R4:	74.5	R12:	56.4
CIE y:	0.3785	R5:	73.8	R13:	75.0
CIE z:	0.2400	R6:	78.3	R14:	96.6
Peak Wavelength (nm):	448	R7:	81.1	R15:	64.5
Dominant Wavelength (nm):	578	R8:	52.1		
Purity:	28.07575				

Rf:	79
Rg:	94.1



Test Conditions

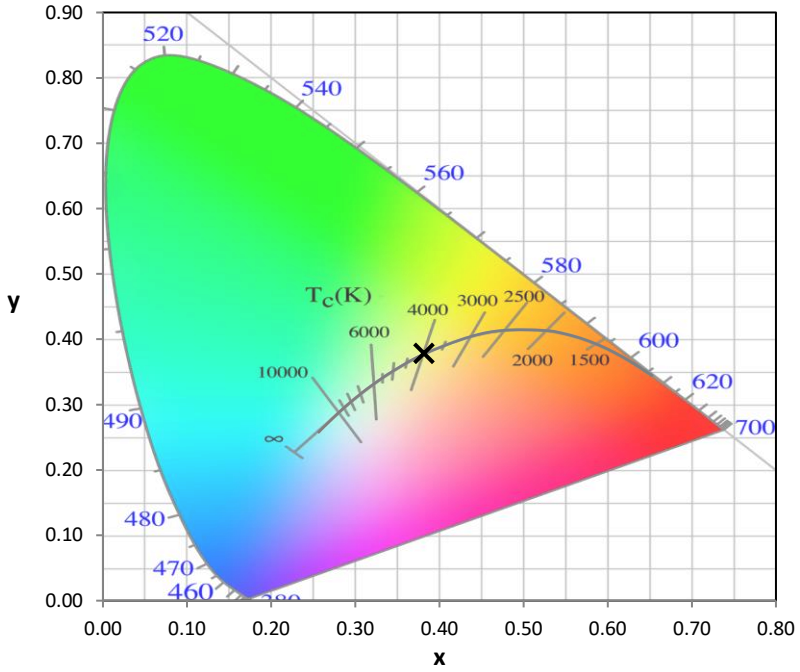
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-11

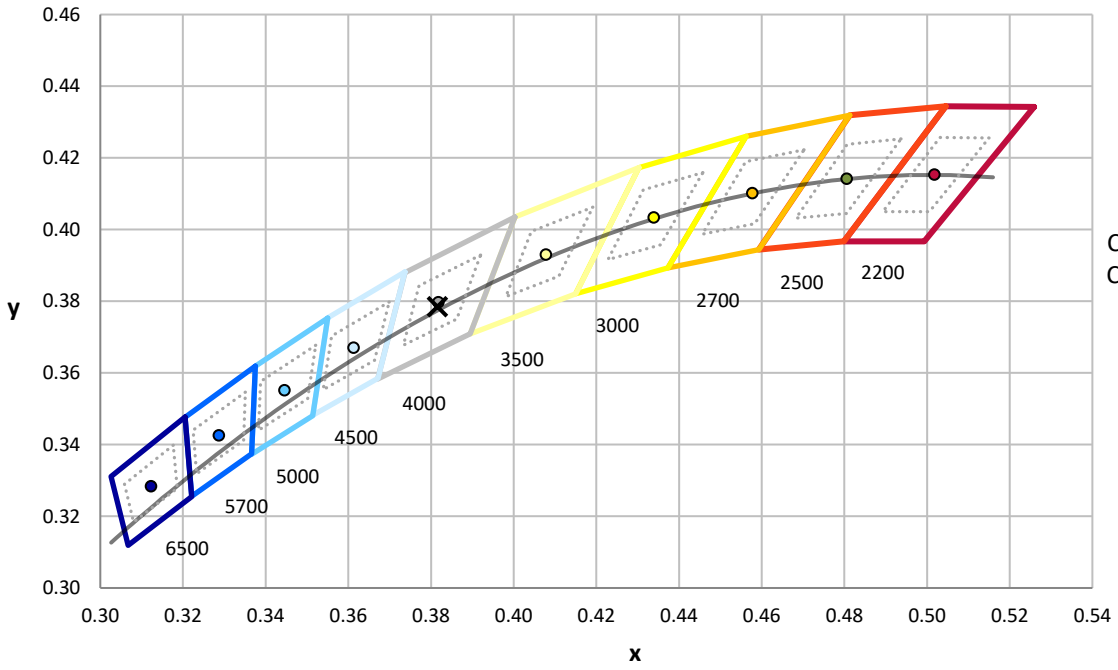
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-11

CIE 1931 Chromaticity Diagram



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

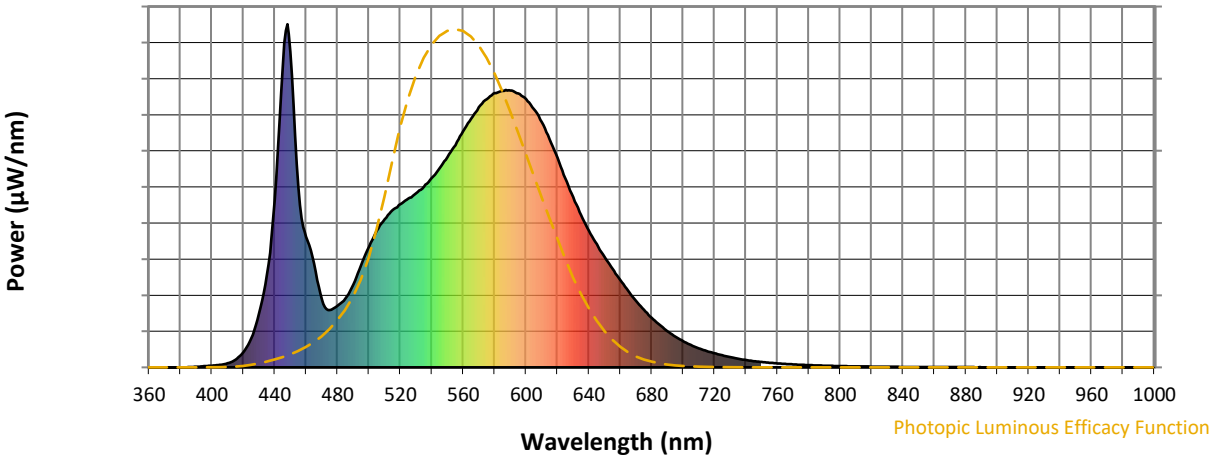


CCT = 3983K
CIE x = 0.3815
CIE y = 0.3785
Duv = 0.0005

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-11

Photopic Flux vs. Wavelength

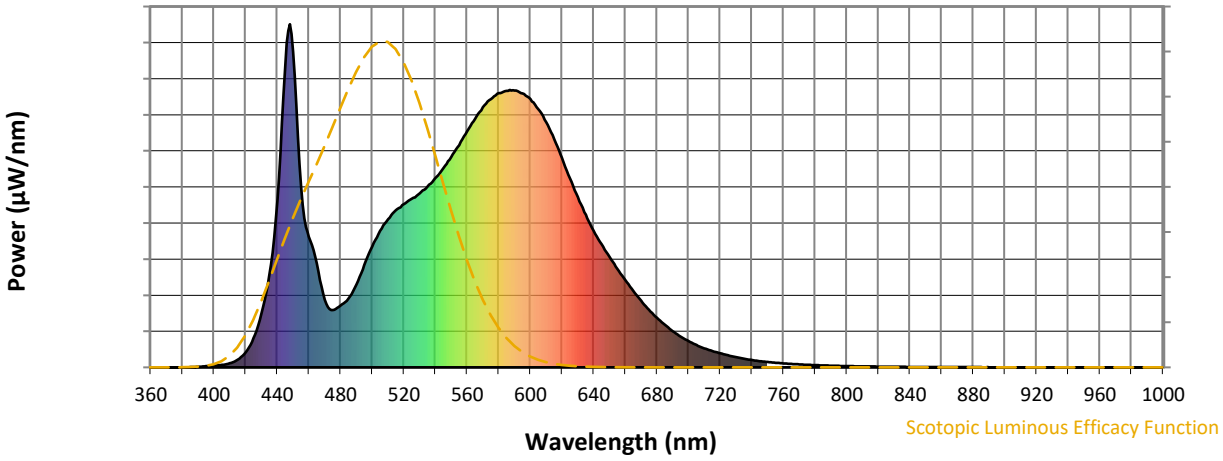


Photopic Lumens: NR

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-11

Scotopic Flux vs. Wavelength

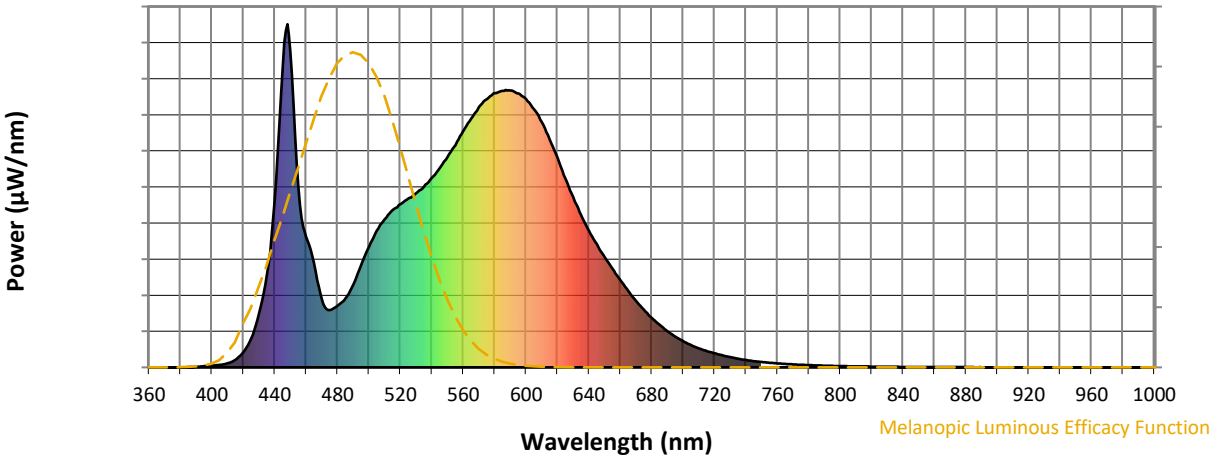


Scotopic Lumens: NR **S/P: 1.61**

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.24**

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

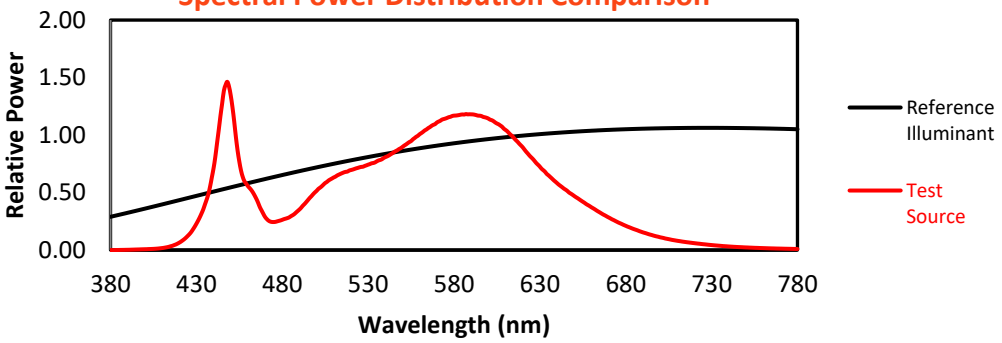
REPORT NUMBER: SP1-2501-332-11

TM-30-18

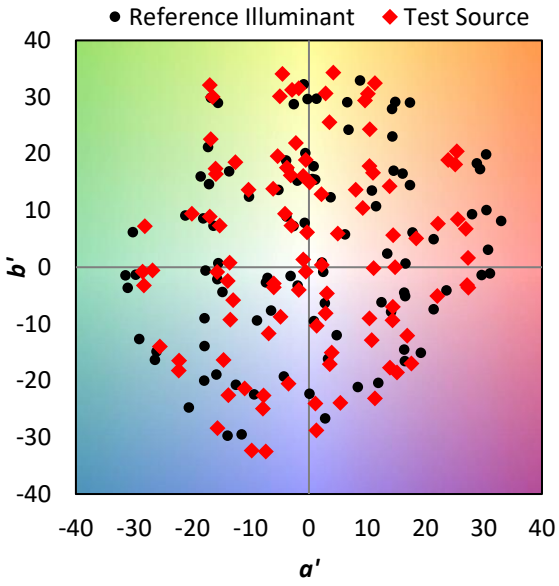
Summary

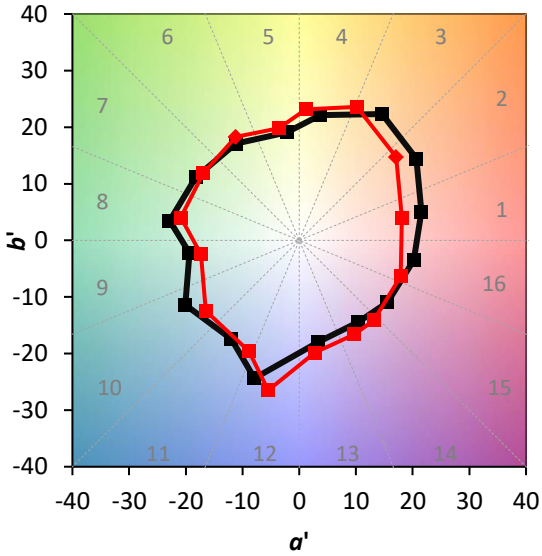
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R_g = 94.1
CIE R_a = 76.2
R_9 = -26.0

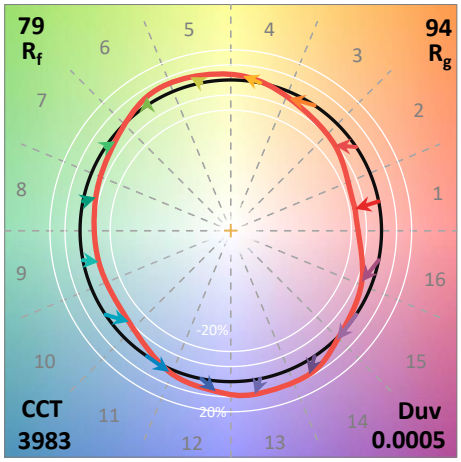
Spectral Power Distribution Comparison

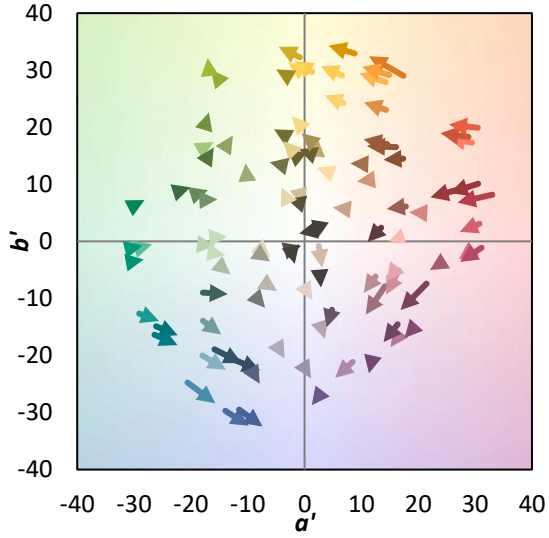


Color Vector Graphics







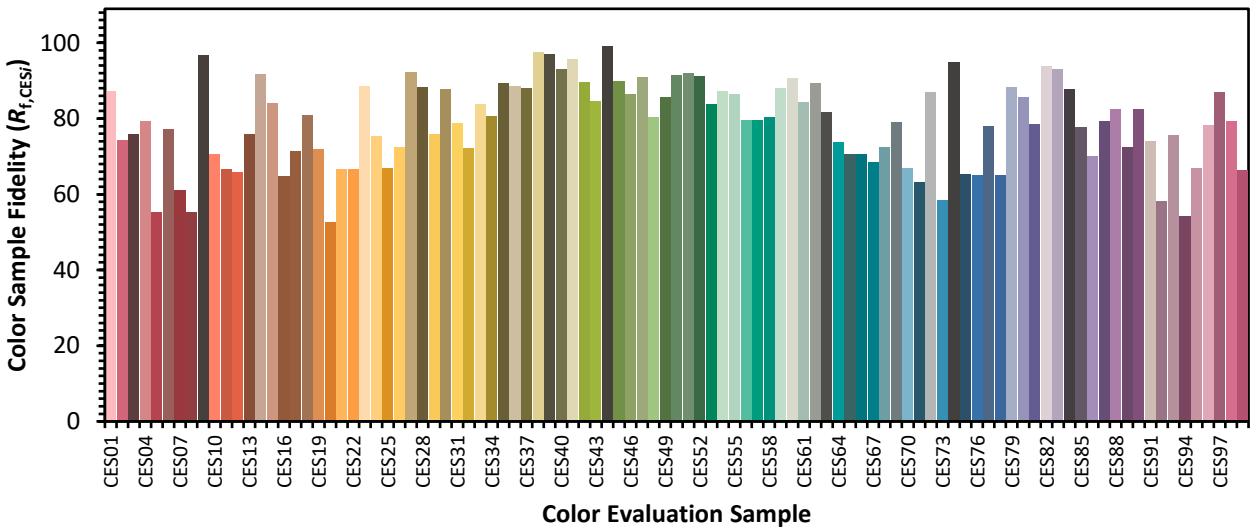


REPORT NUMBER: SP1-2501-332-11

TM-30-18

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

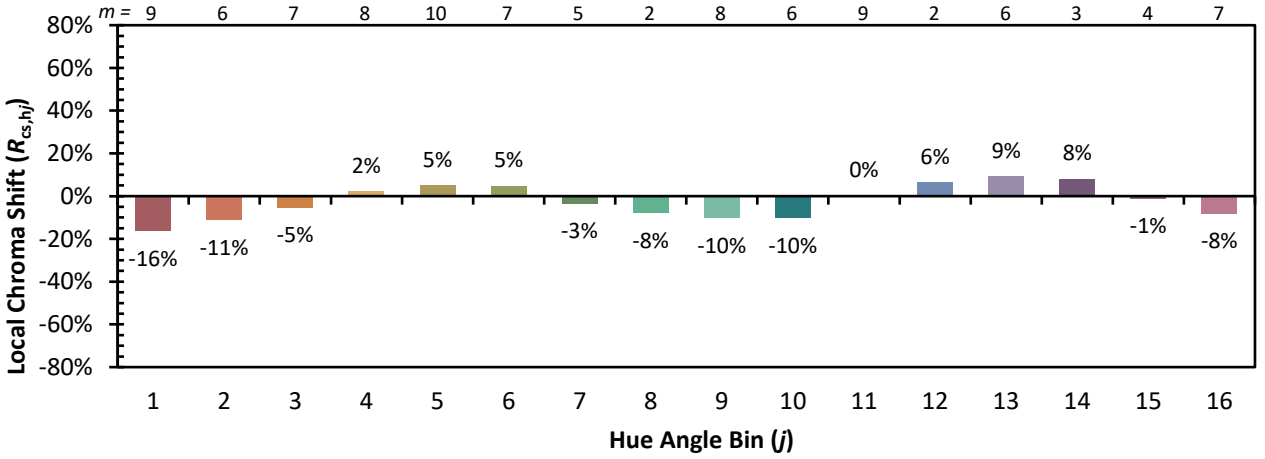
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CES02 = 61	CES27 = 92	CES52 = 91	CES77 = 78
CES03 = 30	CES28 = 88	CES53 = 84	CES78 = 65
CES04 = 70	CES29 = 76	CES54 = 87	CES79 = 88
CES05 = 47	CES30 = 88	CES55 = 86	CES80 = 86
CES06 = 50	CES31 = 79	CES56 = 80	CES81 = 79
CES07 = 40	CES32 = 72	CES57 = 79	CES82 = 94
CES08 = 39	CES33 = 84	CES58 = 80	CES83 = 93
CES09 = 29	CES34 = 81	CES59 = 88	CES84 = 88
CES10 = 74	CES35 = 89	CES60 = 91	CES85 = 78
CES11 = 57	CES36 = 88	CES61 = 84	CES86 = 70
CES12 = 63	CES37 = 88	CES62 = 89	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 82	CES88 = 82
CES14 = 74	CES39 = 97	CES64 = 74	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 71	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 71	CES91 = 74
CES17 = 49	CES42 = 90	CES67 = 68	CES92 = 58
CES18 = 56	CES43 = 85	CES68 = 72	CES93 = 76
CES19 = 72	CES44 = 99	CES69 = 79	CES94 = 54
CES20 = 65	CES45 = 90	CES70 = 67	CES95 = 67
CES21 = 86	CES46 = 87	CES71 = 63	CES96 = 78
CES22 = 78	CES47 = 91	CES72 = 87	CES97 = 87
CES23 = 91	CES48 = 80	CES73 = 58	CES98 = 79
CES24 = 91	CES49 = 86	CES74 = 95	CES99 = 66
CES25 = 72	CES50 = 92	CES75 = 65	

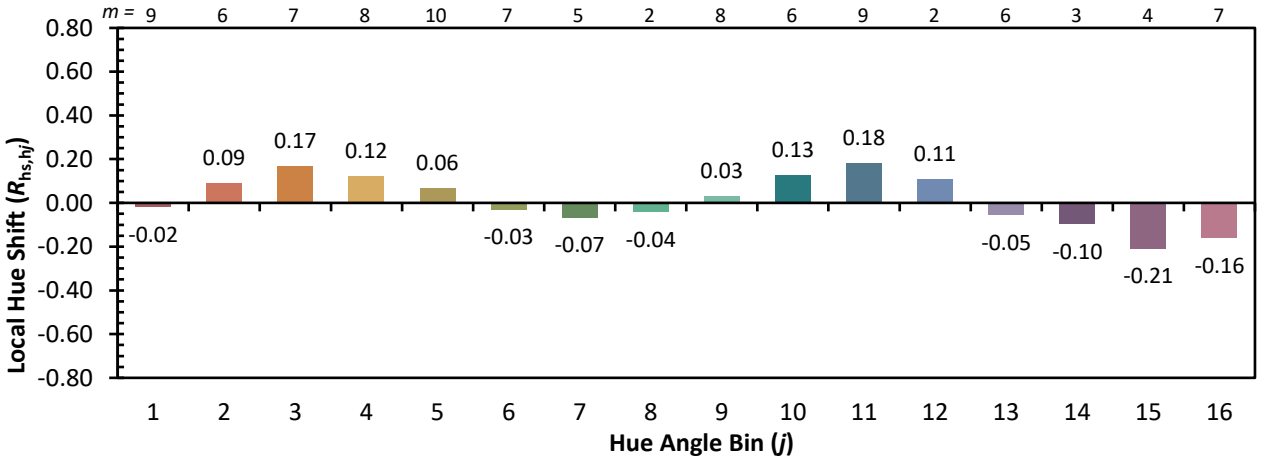


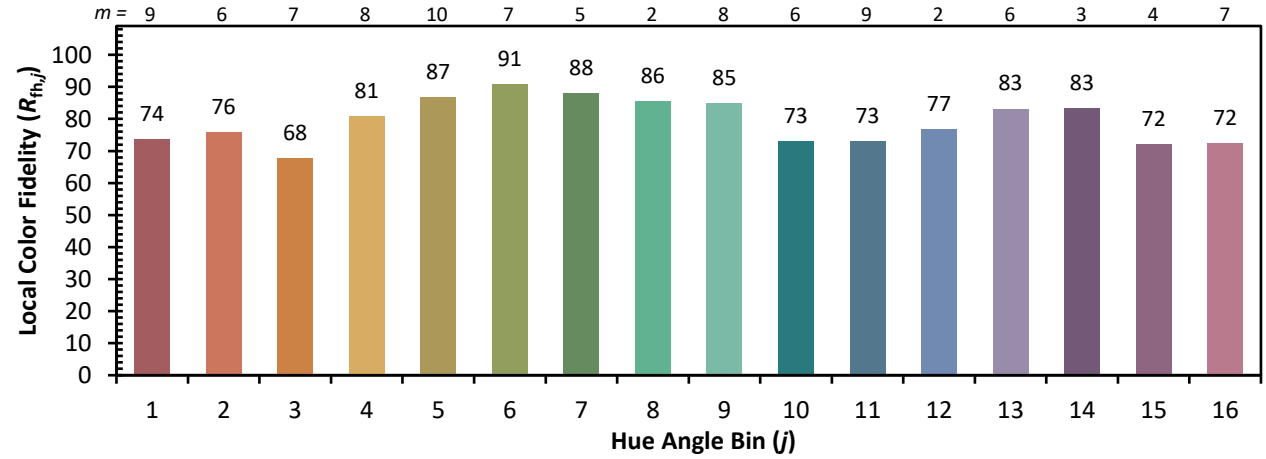
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Color Rendition by Hue-Angle Bin



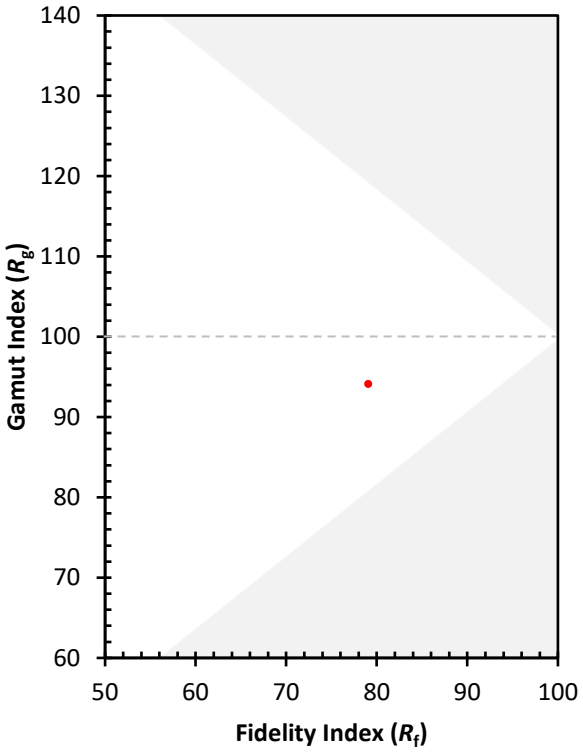


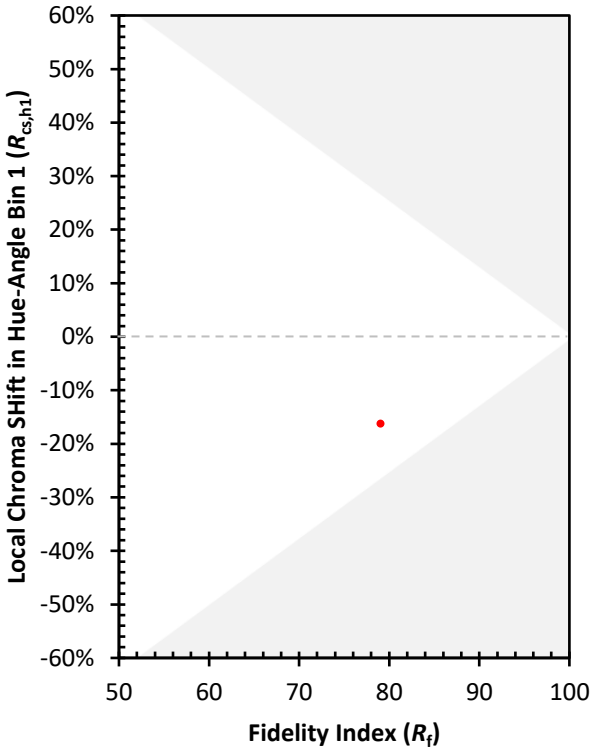


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Measure Comparisons





(END OF REPORT)