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: P1046620

Luminaire Tested: **FFX-CLB-40-740-U-FR-T3-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046620
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-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5861.8 lumens
Efficiency:	N/A
Efficacy:	148.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - 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

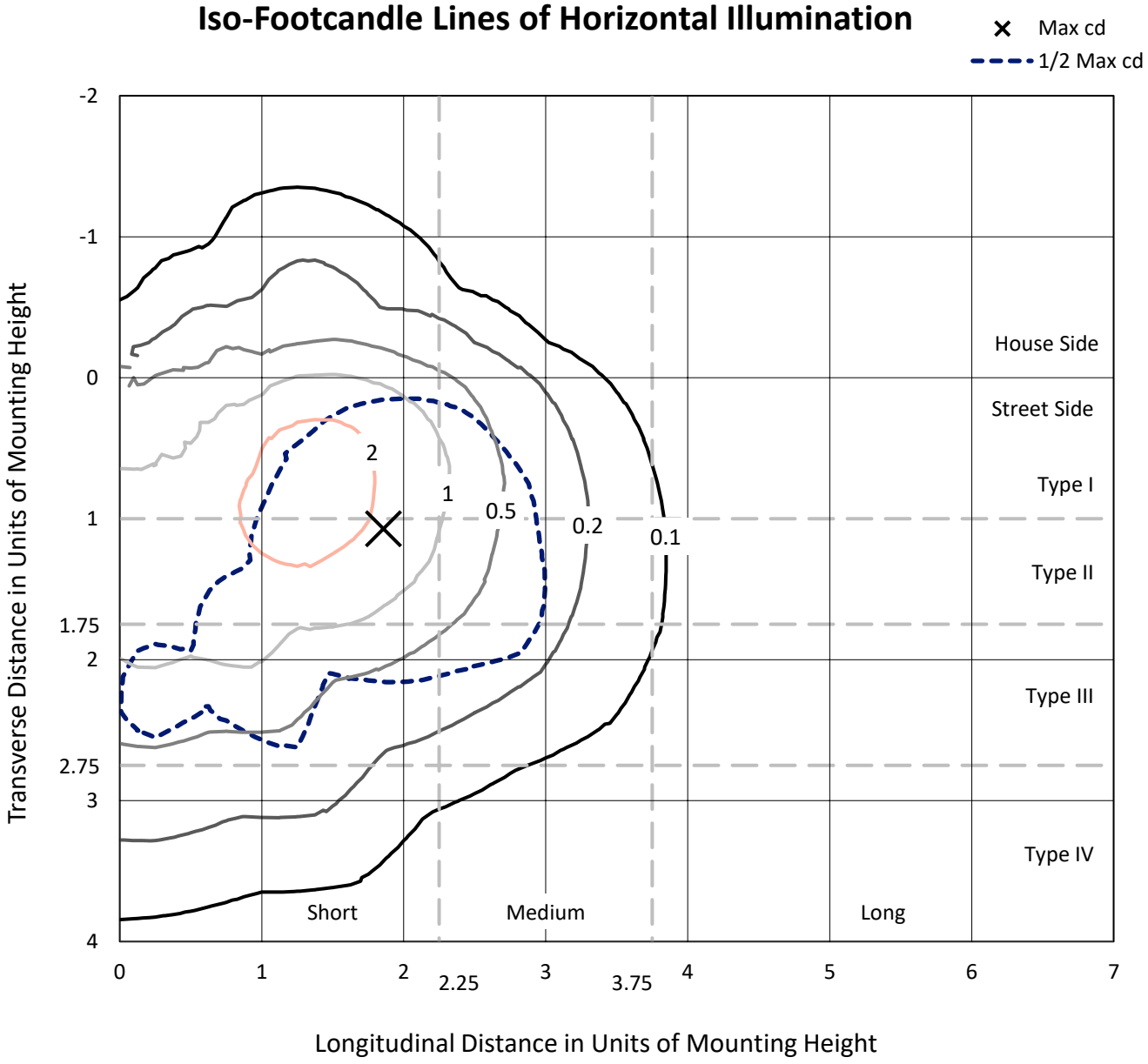


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Iso-Footcandle Lines of Horizontal Illumination



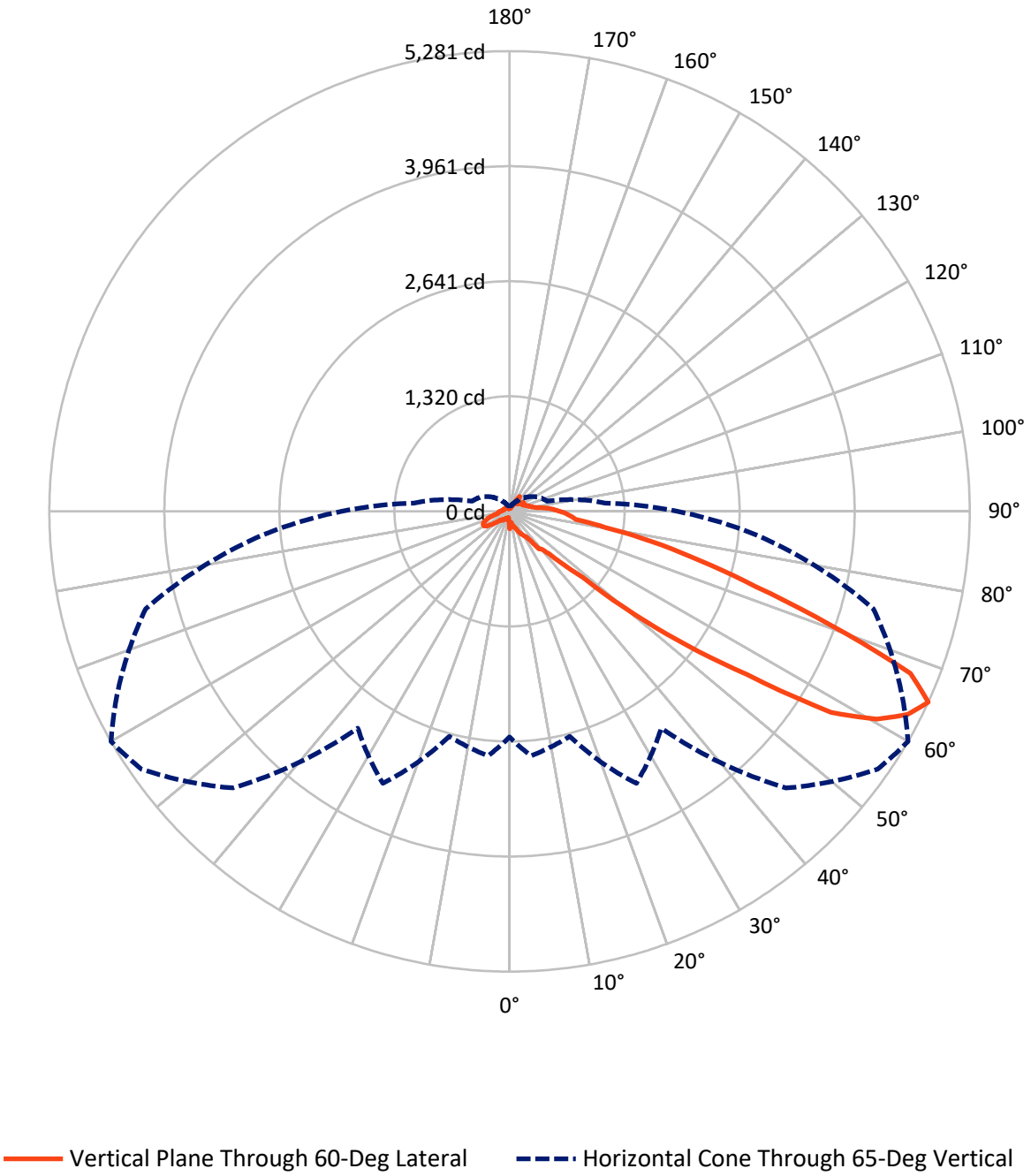
Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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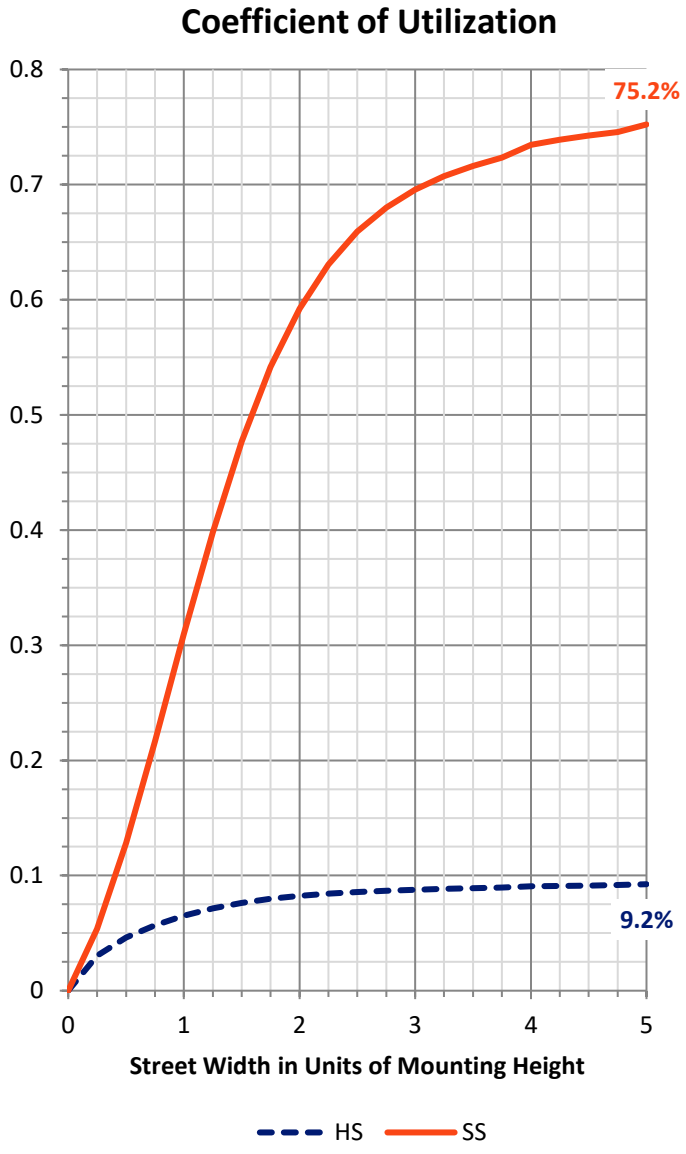
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	568.3	183.4	751.8
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	4567.8	542.2	5110.0
	% Fixture	77.9	9.2	87.2
Total	Lumens	5136.2	725.6	5861.8
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.2
10°-20°	37.5	0.6
20°-30°	80.2	1.4
30°-40°	164.6	2.8
40°-50°	385.7	6.6
50°-60°	1206.6	20.6
60°-70°	1889.3	32.2
70°-80°	999.5	17.1
80°-90°	361.9	6.2
90°-100°	218.2	3.7
100°-110°	136.7	2.3
110°-120°	110.5	1.9
120°-130°	92.2	1.6
130°-140°	67.1	1.1
140°-150°	61.7	1.1
150°-160°	25.7	0.4
160°-170°	10.2	0.2
170°-180°	3.3	0.1
0°-90°	5136.2	87.6
0°-180°	5861.8	100.0



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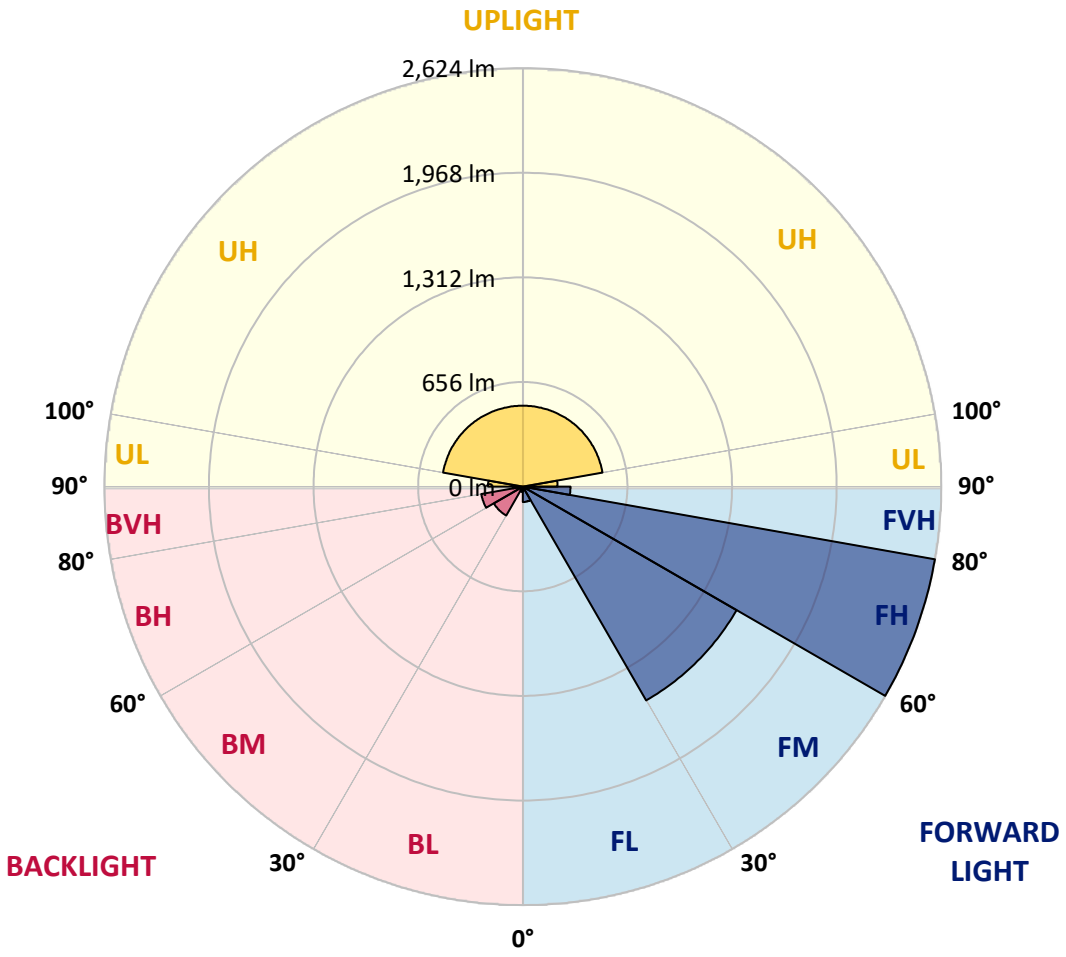
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	96.6	1.6			
FM	(30°-60°)	1548.0	26.4			
FH	(60°-80°)	2624.2	44.8			G2/5000
FVH	(80°-90°)	299.0	5.1			G3/500
BL	(0°-30°)	31.9	0.5	B0/110		
BM	(30°-60°)	209.0	3.6	B0/220		
BH	(60°-80°)	264.6	4.5	B1/500		G1/500
BVH	(80°-90°)	62.9	1.1			G1/100
UL	(90°-100°)	218.2	3.7		U3/500	
UH	(100°-180°)	507.4	8.7		U4/1000	

BUG Rating: B1-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6
2.5°	109.8	114.0	138.9	164.6	171.9	156.1	135.0	137.6	149.2	204.5	228.9
5°	128.6	129.9	127.8	130.8	148.8	171.5	158.2	142.8	122.2	88.3	87.5
7.5°	147.9	147.9	147.1	136.3	123.9	120.0	131.6	133.8	131.6	109.8	94.7
10°	161.2	161.2	160.8	161.6	162.5	158.2	139.3	132.0	124.3	114.9	110.6
12.5°	195.5	196.4	201.9	198.9	187.8	176.2	178.3	176.2	164.6	144.5	127.8
15°	239.2	240.9	241.8	230.7	212.6	191.2	177.5	174.1	171.9	160.3	143.6
17.5°	261.9	261.1	250.8	239.2	227.7	212.2	199.4	194.2	186.5	171.9	153.9
20°	259.4	259.4	249.1	246.5	247.4	237.9	221.6	215.2	206.6	192.9	168.1
22.5°	266.7	267.1	260.7	262.8	272.2	262.8	246.9	242.7	234.5	214.8	189.5
25°	294.5	294.5	287.2	284.2	292.4	289.0	280.0	274.8	263.2	239.2	194.6
27.5°	319.8	318.1	311.3	312.1	304.4	302.7	300.5	298.4	288.1	249.9	197.2
30°	339.5	339.5	333.5	337.4	321.1	323.7	316.0	322.0	308.7	264.5	207.1
32.5°	357.6	360.1	358.0	363.1	343.8	355.0	341.7	348.1	340.0	290.7	234.9
35°	399.1	402.1	412.0	424.9	401.3	412.9	391.9	400.9	392.7	349.8	288.5
37.5°	564.2	559.5	538.0	517.0	494.3	541.9	536.8	545.3	532.5	463.4	364.4
40°	567.6	565.1	560.8	547.5	504.6	551.8	553.9	569.3	607.9	497.3	394.0
42.5°	582.2	585.2	636.2	642.7	610.5	683.8	663.7	664.5	796.6	589.1	508.5
45°	673.5	673.5	689.8	698.0	688.5	899.0	896.0	870.3	1036.6	734.8	598.1
47.5°	772.1	775.1	805.1	885.7	938.5	1137.8	1197.0	1135.3	1353.5	964.2	824.0
50°	1060.7	1066.7	1160.1	1230.9	1329.9	1665.6	1956.7	1862.8	2205.3	1470.9	1241.6
52.5°	1269.4	1344.0	1395.5	1661.7	1700.3	2216.1	2591.6	2559.5	2789.3	2036.0	1507.0
55°	1510.8	1627.0	1661.3	2074.2	2143.2	2859.6	3249.3	3306.3	3320.4	2631.9	1771.5
57.5°	1908.2	2088.3	2094.7	2531.2	2543.2	3604.7	4225.0	4350.7	4207.5	3325.6	2188.6
60°	2235.8	2446.7	2376.0	2970.2	2851.0	4207.5	4699.6	4842.0	4576.2	3918.5	2480.2
62.5°	2438.6	2642.2	2549.2	3278.9	3036.2	4466.0	4983.0	5129.2	4836.8	4233.6	2704.4
65°	2589.9	2815.8	2672.6	3443.5	3035.8	4489.1	5157.9	5281.4	4968.5	4324.1	2770.4
67.5°	2592.9	2795.7	2616.9	3384.8	2833.8	4122.6	4884.9	4962.9	4615.6	4003.0	2574.0
70°	2266.6	2412.4	2213.9	2856.6	2285.9	3128.8	3814.8	3907.4	3558.0	3077.4	1994.4
72.5°	1896.7	1953.7	1756.9	2284.7	1790.3	2367.8	2916.2	2950.9	2766.1	2305.2	1541.7
75°	1489.4	1467.5	1365.5	1703.3	1361.2	1677.6	2290.2	2256.8	2155.2	1696.5	1176.4
77.5°	993.8	953.0	958.2	1168.7	950.9	1110.0	1667.7	1669.0	1633.4	1257.9	839.0
80°	606.2	607.5	590.8	741.3	627.6	737.8	1149.4	1111.7	1112.5	829.6	587.3
82.5°	474.2	481.9	460.9	534.2	494.3	586.9	751.1	772.1	749.4	609.2	432.6
85°	465.6	472.5	450.6	496.0	469.9	560.8	706.5	704.8	692.8	565.1	409.0
87.5°	426.6	434.7	418.4	450.2	430.0	519.2	650.4	641.8	630.2	531.6	390.1
90°	360.1	375.1	364.0	403.4	375.6	446.7	565.5	562.1	556.1	469.9	347.3
92.5°	327.5	330.5	322.4	358.0	327.1	391.4	502.0	491.3	478.0	407.7	295.8
95°	293.2	292.0	284.2	313.0	285.5	327.5	426.6	410.3	403.4	344.3	246.9
97.5°	234.9	235.4	231.5	251.2	231.5	261.5	320.3	314.3	300.5	257.2	189.1
100°	205.8	207.1	204.5	219.9	203.2	222.5	266.7	265.4	254.2	219.5	165.1
102.5°	194.6	195.1	198.5	207.9	192.1	206.2	243.1	243.5	236.2	204.5	155.2
105°	186.9	186.5	189.1	196.8	183.1	193.4	227.2	227.2	216.9	192.9	147.1
107.5°	180.9	180.1	184.4	190.8	181.3	184.4	210.5	212.2	202.4	179.6	139.8
110°	174.1	173.6	180.9	185.6	176.6	177.1	199.8	198.5	189.5	174.9	137.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	176.6	179.2	187.4	174.1	160.8	161.6	179.2	*181.3*	174.9	159.9	130.8
115°	174.5	177.1	187.8	168.9	149.2	154.3	168.9	*170.6*	161.2	148.8	123.0
117.5°	166.8	167.6	174.1	169.3	148.8	154.8	162.1	*165.1*	158.2	148.8	124.3
120°	197.2	190.8	190.8	183.5	160.3	171.1	184.8	*187.4*	180.9	163.3	123.9
122.5°	181.3	179.2	179.6	170.2	158.6	167.6	183.9	*188.2*	182.6	165.1	123.9
125°	142.8	143.2	141.0	144.1	139.3	142.3	150.9	*157.8*	152.6	143.2	117.9
127.5°	129.9	129.5	126.9	139.8	125.2	131.2	139.3	*143.2*	138.0	127.3	106.8
130°	126.5	126.5	133.8	147.1	138.5	135.9	132.9	*136.8*	135.9	129.0	106.8
132.5°	118.3	118.8	129.5	146.6	143.2	131.2	120.5	*122.6*	126.5	128.2	112.8
135°	118.3	117.0	113.6	117.5	115.3	118.3	115.3	*118.3*	119.2	118.3	98.6
137.5°	126.0	125.2	116.6	111.5	111.9	121.3	121.8	*123.0*	121.8	114.9	95.6
140°	123.5	120.5	114.5	112.3	112.8	122.6	126.5	*127.3*	126.0	112.8	90.0
142.5°	119.2	119.2	120.9	123.5	127.3	173.2	161.2	*172.3*	172.8	159.1	92.6
145°	171.1	172.8	167.6	162.1	175.8	208.4	195.9	*207.9*	216.1	201.1	127.8
147.5°	154.3	156.9	153.9	149.2	167.2	167.6	159.9	*161.2*	163.3	166.8	129.0
150°	109.3	106.3	111.0	107.6	125.6	124.8	114.0	*116.6*	121.3	121.8	102.9
152.5°	81.0	79.7	78.9	78.5	90.5	83.2	79.3	*78.0*	78.9	78.5	73.7
155°	71.6	71.6	71.2	73.3	79.7	74.6	70.7	*71.2*	69.0	67.7	65.2
157.5°	55.7	54.4	55.7	59.6	62.2	57.4	56.2	*55.3*	54.9	52.7	53.6
160°	45.9	45.9	46.7	49.7	51.4	48.0	45.4	*44.6*	44.6	43.7	46.7
162.5°	39.0	39.0	39.9	40.7	41.6	39.9	39.0	*39.0*	38.6	38.6	41.6
165°	32.6	32.6	33.0	34.7	35.2	34.3	33.9	*34.3*	34.3	36.0	38.6
167.5°	30.0	30.0	30.4	31.3	31.7	31.3	32.6	*33.9*	35.2	36.9	37.7
170°	28.7	28.7	29.2	29.6	30.4	31.3	33.9	*34.7*	35.2	34.7	34.7
172.5°	29.6	29.6	29.6	30.4	31.3	33.4	35.6	*35.6*	34.7	33.9	33.9
175°	30.0	29.6	30.0	30.9	32.2	33.4	34.3	*35.2*	35.2	34.7	34.7
177.5°	29.6	29.6	30.0	30.4	30.4	30.4	30.9	*31.3*	31.3	31.7	32.2
180°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	*29.2*	29.2	29.2	29.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6
2.5°	224.2	211.8	156.9	104.2	127.8	186.5	217.4	203.6	151.8	87.5	74.2
5°	91.7	102.9	120.0	114.9	103.3	84.9	63.9	63.5	87.9	106.8	108.5
7.5°	88.3	81.0	76.7	84.9	79.3	54.9	46.3	38.6	41.2	60.4	57.9
10°	108.9	106.3	99.0	81.0	59.6	49.3	46.3	47.2	50.6	45.4	45.0
12.5°	121.3	114.9	99.0	93.9	79.7	56.6	46.7	43.3	46.3	57.9	62.6
15°	132.9	123.5	103.8	87.0	71.6	58.7	50.2	43.7	39.0	33.9	33.4
17.5°	143.2	131.2	109.3	90.5	71.2	58.7	48.4	38.2	33.0	31.3	31.3
20°	155.6	144.5	116.6	94.3	71.6	57.4	46.7	37.7	33.0	31.3	31.3
22.5°	172.3	153.9	124.3	96.0	72.5	57.0	45.9	38.6	34.3	31.7	31.7
25°	177.1	162.9	129.5	101.6	75.9	59.2	48.0	39.9	35.2	33.0	32.6
27.5°	180.5	169.8	139.3	106.3	79.7	63.5	51.4	41.6	36.0	33.9	33.4
30°	193.8	184.4	150.1	113.2	84.9	67.7	54.4	44.2	37.7	34.3	33.4
32.5°	222.1	208.8	165.9	120.0	91.3	72.5	58.3	46.7	39.4	35.2	34.3
35°	276.1	265.4	207.9	134.2	98.2	78.5	63.0	50.2	41.6	36.4	36.0
37.5°	338.7	322.0	252.5	156.1	102.9	83.6	67.7	53.6	43.7	38.6	37.7
40°	349.4	301.8	223.8	142.3	103.8	86.2	72.0	57.4	46.3	40.3	39.0
42.5°	438.2	370.4	259.4	147.1	105.9	86.2	72.9	60.0	48.9	41.6	40.7
45°	463.4	369.1	258.1	164.2	116.2	88.7	73.3	61.3	51.0	43.7	42.4
47.5°	590.8	452.7	261.9	174.5	126.9	97.7	76.3	62.2	51.4	45.0	44.6
50°	844.6	605.4	315.1	210.5	152.2	114.0	85.7	65.2	52.3	46.3	45.9
52.5°	1043.1	719.0	338.3	252.1	193.8	144.9	102.5	72.9	54.0	46.7	45.9
55°	1239.9	857.4	381.1	297.5	230.7	174.5	127.3	85.3	58.3	47.6	46.7
57.5°	1540.0	1029.4	434.3	342.1	273.5	202.4	142.3	96.5	63.5	48.4	47.2
60°	1722.2	1090.2	439.9	364.8	298.0	222.1	147.5	100.7	69.9	51.9	49.7
62.5°	1885.9	1145.1	443.7	375.1	302.2	224.2	147.9	97.3	71.2	57.0	54.4
65°	*1928.4*	*1100.5*	*447.6*	*378.6*	*294.5*	*211.8*	*142.3*	*93.9*	*67.7*	*61.7*	*61.3*
67.5°	1832.4	986.9	421.0	365.7	274.0	190.4	128.2	89.2	66.0	60.0	61.3
70°	1427.6	783.7	385.8	337.0	236.7	160.8	114.0	83.2	65.2	57.0	55.7
72.5°	1125.0	666.7	389.7	321.1	199.8	142.3	100.7	75.9	61.7	55.7	54.9
75°	876.3	558.6	375.1	276.5	162.1	121.3	88.3	67.7	57.4	53.6	53.2
77.5°	642.7	443.3	309.5	213.1	133.8	101.2	77.2	62.2	54.4	51.0	50.6
80°	421.4	313.4	215.6	170.2	115.3	91.3	70.3	58.3	52.3	49.3	48.9
82.5°	358.4	278.2	191.6	156.5	106.8	87.9	69.0	57.0	51.9	48.4	48.0
85°	345.5	285.1	195.9	162.1	101.6	84.0	66.9	56.2	50.6	47.6	47.2
87.5°	324.5	258.1	189.5	145.3	93.9	76.7	62.6	54.0	48.4	45.9	45.0
90°	289.0	220.8	162.9	124.8	89.2	72.0	59.2	51.4	47.2	44.6	43.7
92.5°	233.2	167.6	128.2	110.2	87.0	71.6	58.7	51.4	47.2	44.6	43.7
95°	195.9	143.6	114.9	100.7	81.0	67.7	56.2	49.7	45.9	43.3	43.3
97.5°	155.2	120.0	102.5	90.5	72.9	61.7	53.2	47.6	44.2	41.6	41.6
100°	137.6	111.5	97.3	84.9	69.0	58.3	51.9	46.3	43.3	40.3	40.3
102.5°	130.8	108.0	96.0	80.6	66.0	56.2	49.7	44.6	42.0	39.0	39.0
105°	126.5	106.8	95.2	78.5	63.0	53.6	47.6	42.4	40.3	38.2	37.7
107.5°	122.2	105.0	96.5	77.2	60.4	51.9	47.6	42.0	39.4	37.7	37.7
110°	120.0	105.9	96.0	75.9	59.6	51.4	47.2	42.4	40.3	38.6	38.2

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

Scaled Data Report

REPORT NUMBER: P1046620
CATALOG NUMBER: FFX-CLB-40-740-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	114.5	101.2	91.7	72.0	58.3	50.2	45.4	42.0	39.0	37.3	36.9
115°	108.9	93.0	84.0	68.6	55.3	48.4	44.2	40.7	37.7	36.4	36.4
117.5°	111.0	90.9	77.2	67.3	54.4	47.2	43.3	39.9	37.3	36.4	36.0
120°	109.8	95.6	86.6	72.0	54.0	45.9	42.4	39.0	36.9	36.4	36.4
122.5°	105.0	103.3	95.2	73.3	52.3	46.3	43.3	40.3	38.2	36.9	36.9
125°	101.2	100.3	88.7	66.0	53.6	48.0	45.4	42.4	41.2	39.9	39.4
127.5°	93.5	84.0	73.7	63.5	54.4	48.9	46.3	44.6	43.3	41.2	40.7
130°	93.9	86.2	75.9	63.9	52.3	48.0	46.7	45.0	42.9	39.4	39.0
132.5°	102.0	93.9	75.5	59.2	50.2	48.0	47.2	45.0	40.3	36.4	36.0
135°	84.9	79.3	66.9	56.6	51.0	49.7	49.3	44.6	37.7	35.2	34.7
137.5°	82.7	74.6	64.3	57.0	53.2	50.6	48.9	42.9	35.2	32.6	31.7
140°	78.0	70.3	63.0	57.9	51.4	42.9	39.0	36.0	32.6	30.4	30.0
142.5°	78.0	70.7	59.6	51.0	44.6	39.9	37.7	35.2	31.3	28.3	27.4
145°	92.2	83.6	72.0	64.7	57.9	50.6	43.3	35.6	29.2	25.3	24.9
147.5°	104.6	94.3	85.3	73.3	62.2	50.2	39.9	31.3	26.6	24.9	24.9
150°	85.7	76.3	71.6	61.3	51.4	41.2	33.9	29.2	26.6	25.7	25.7
152.5°	64.3	54.0	50.6	45.0	39.0	33.9	30.4	27.9	27.0	26.6	26.6
155°	60.0	51.4	47.2	42.0	36.0	31.7	29.6	28.3	27.4	27.0	27.0
157.5°	52.3	47.6	42.0	38.2	33.9	30.9	29.6	28.7	27.9	27.4	27.4
160°	46.7	43.3	38.2	35.2	32.2	30.9	30.9	30.4	29.2	28.7	28.7
162.5°	42.0	40.7	36.0	33.4	32.2	32.6	34.7	34.3	32.2	30.4	30.0
165°	39.0	37.7	34.3	33.0	32.2	33.9	38.2	37.3	33.9	31.7	31.7
167.5°	37.3	36.4	33.9	32.6	33.0	36.4	40.3	40.7	37.7	34.7	34.3
170°	34.3	34.3	33.9	34.3	34.3	36.0	38.2	39.4	39.4	40.3	39.9
172.5°	33.9	34.3	35.6	35.6	35.2	35.6	37.3	39.4	40.7	42.0	42.4
175°	34.7	35.2	36.0	36.4	36.4	37.3	39.9	41.6	42.4	42.0	42.0
177.5°	32.2	32.6	33.0	34.7	35.6	36.4	39.0	39.9	40.7	41.6	41.6
180°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2

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

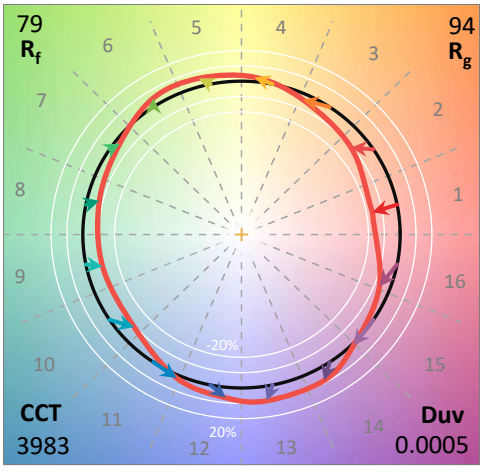
Test Information

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

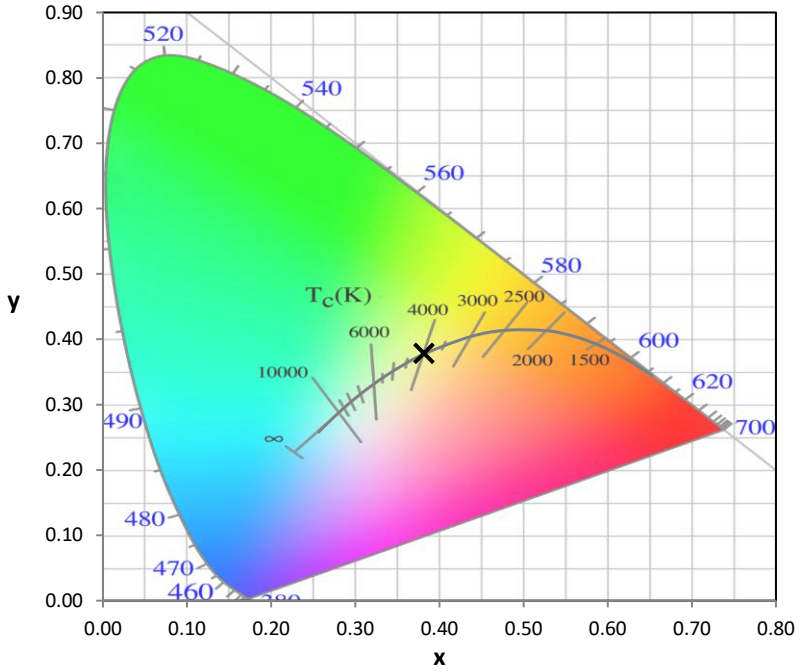
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-11

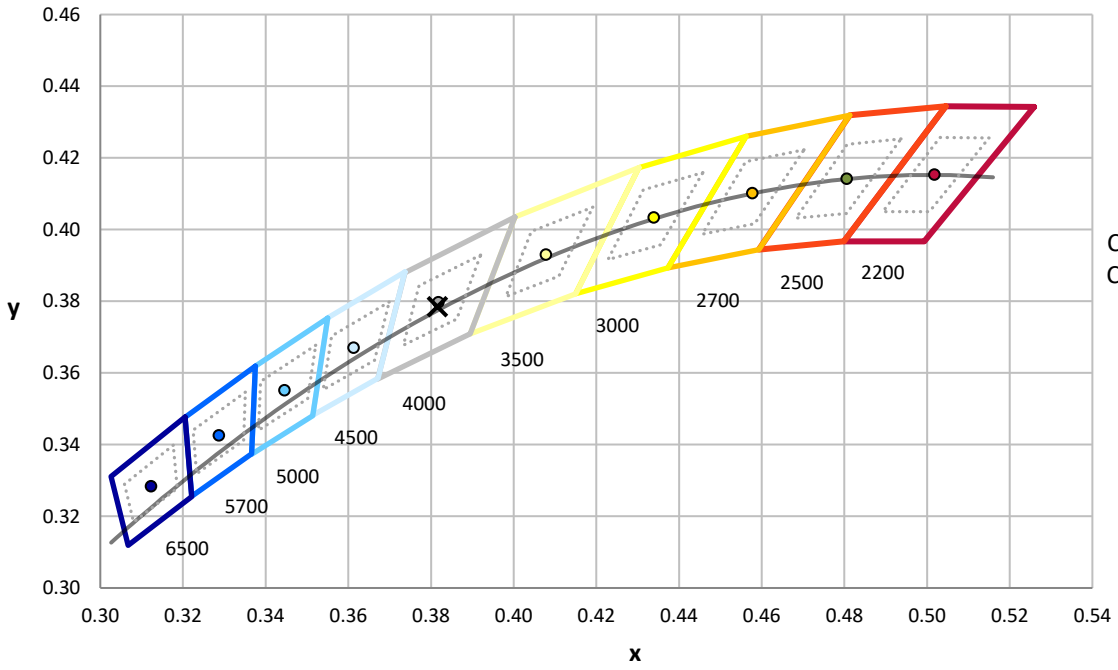
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

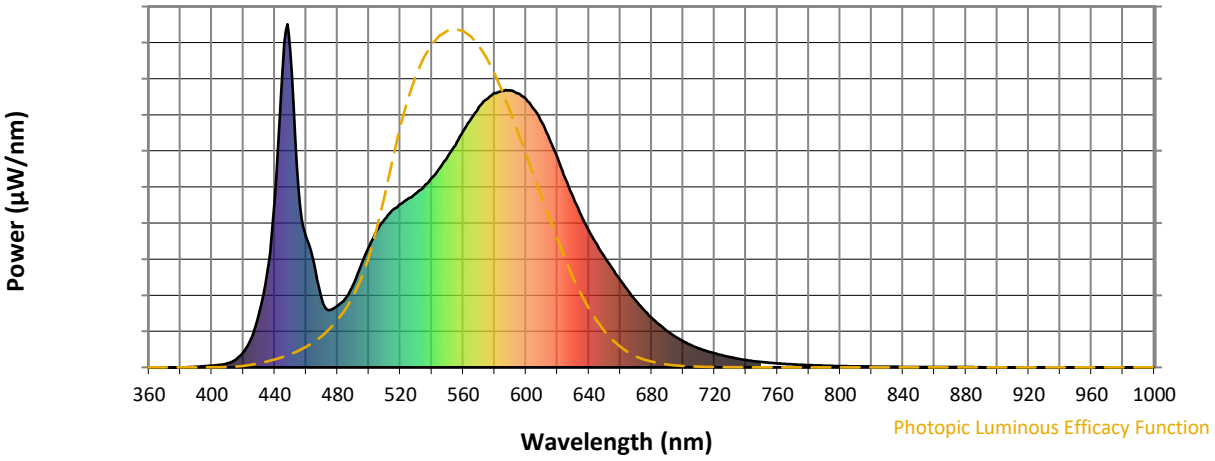


CCT = 3983K
CIE x = 0.3815
CIE y = 0.3785
Duv = 0.0005

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-11

Photopic Flux vs. Wavelength

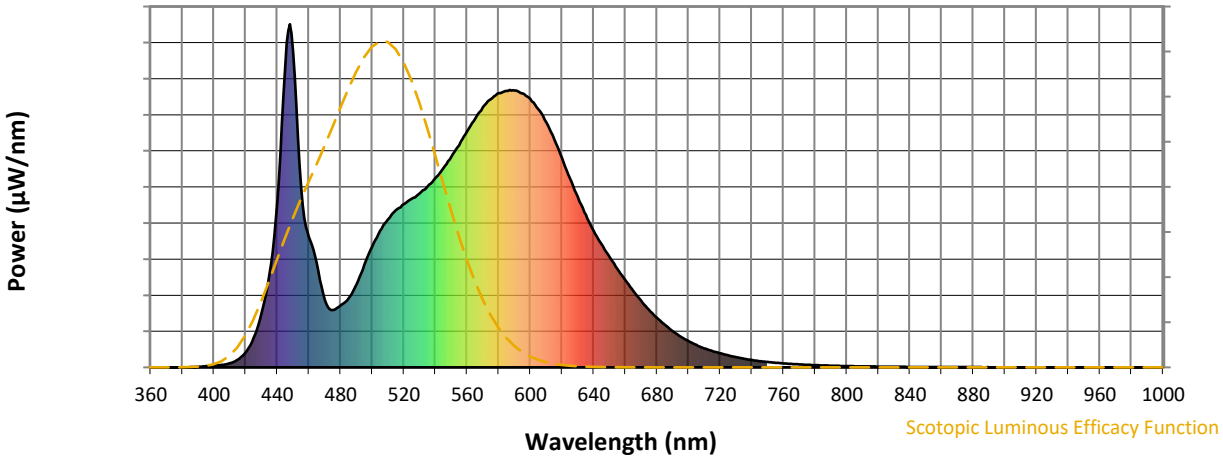


Photopic Lumens: NR

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

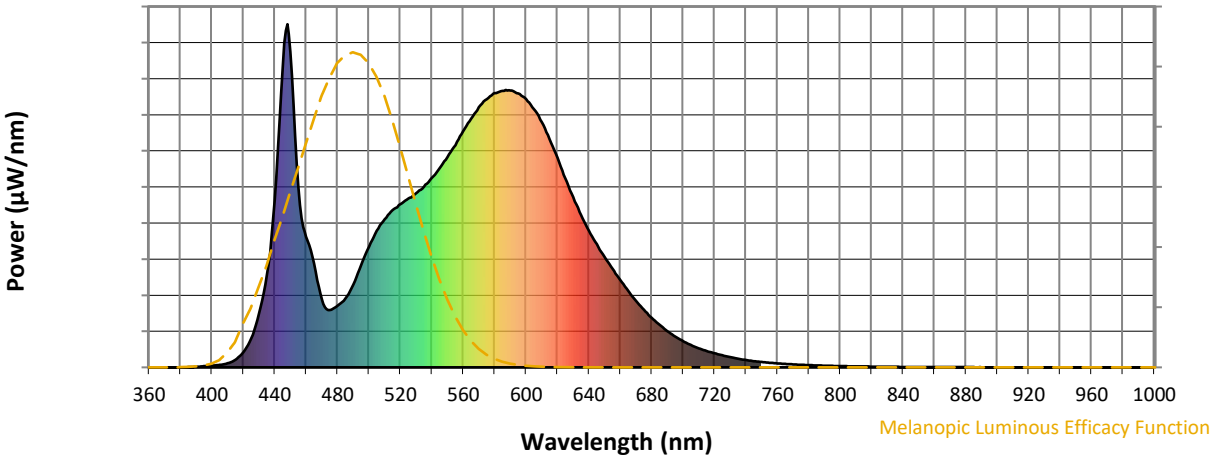


Scotopic Lumens: NR **S/P: 1.61**

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			

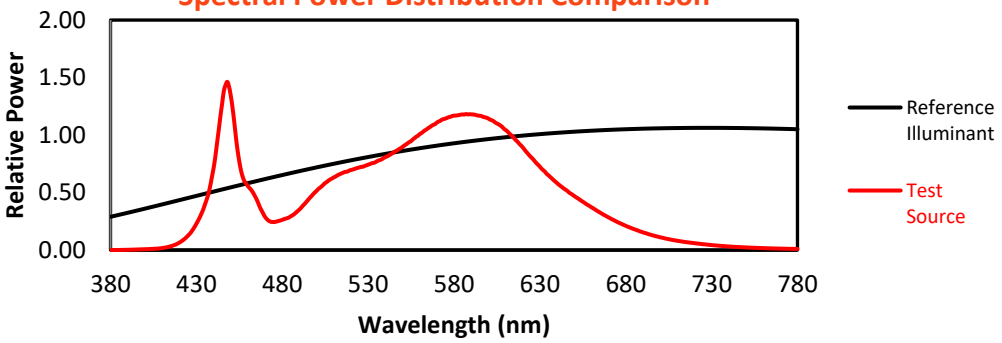
REPORT NUMBER: SP1-2501-332-11

TM-30-18

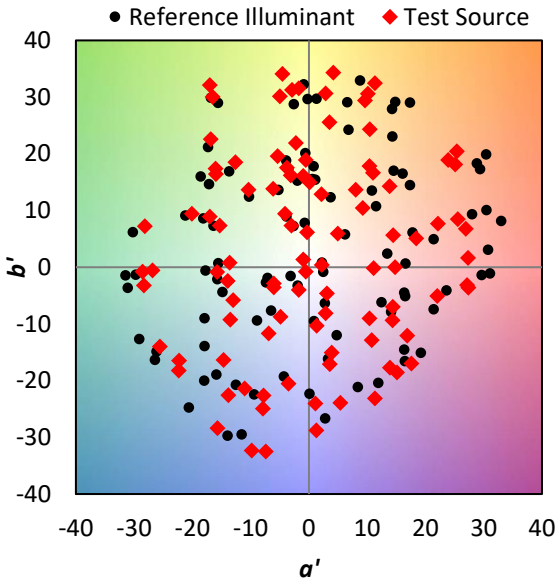
Summary

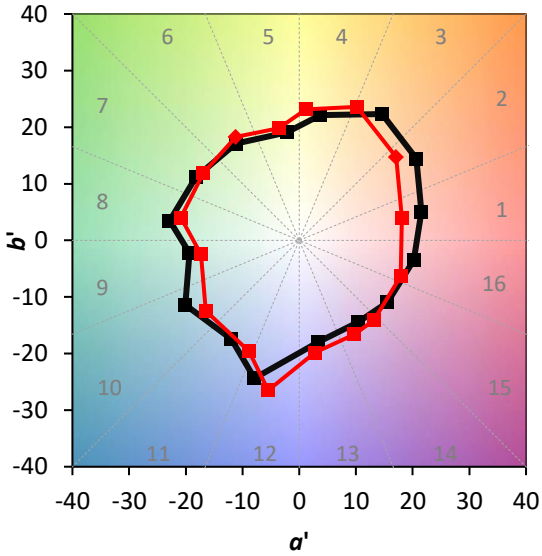
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R_g = 94.1
CIE R_a = 76.2
R_9 = -26.0

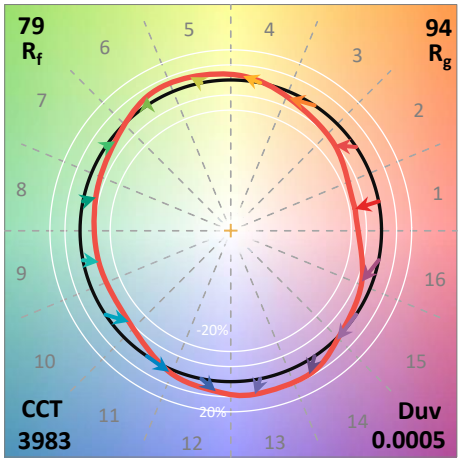
Spectral Power Distribution Comparison

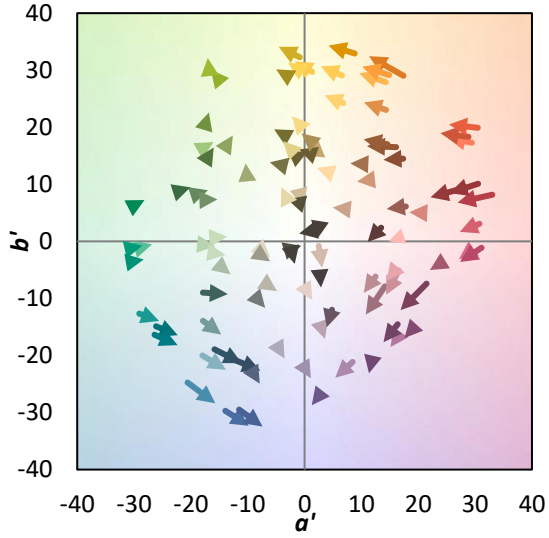


Color Vector Graphics







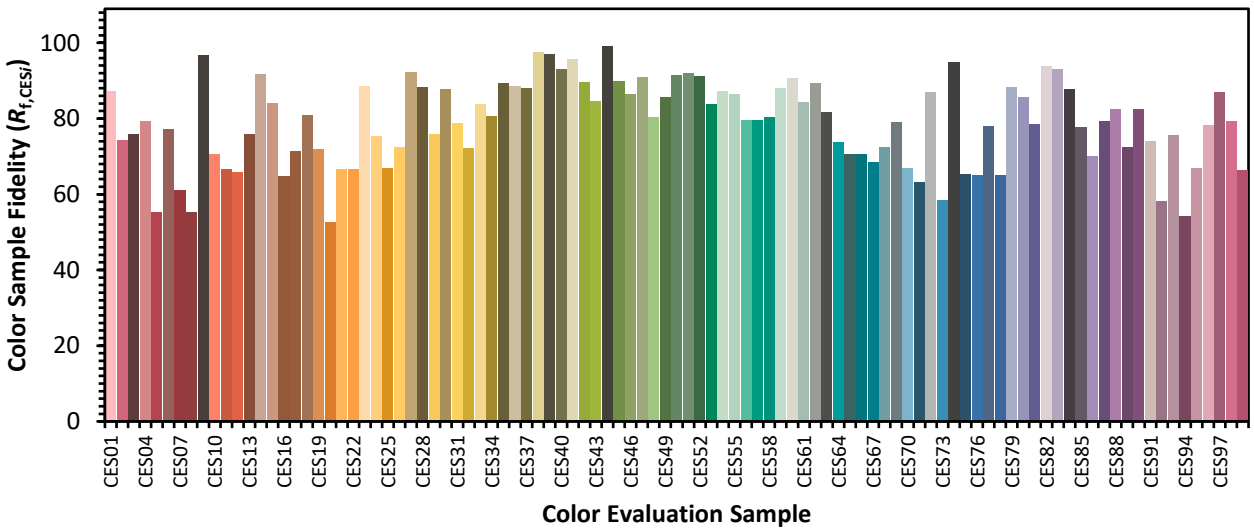


REPORT NUMBER: SP1-2501-332-11

TM-30-18

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

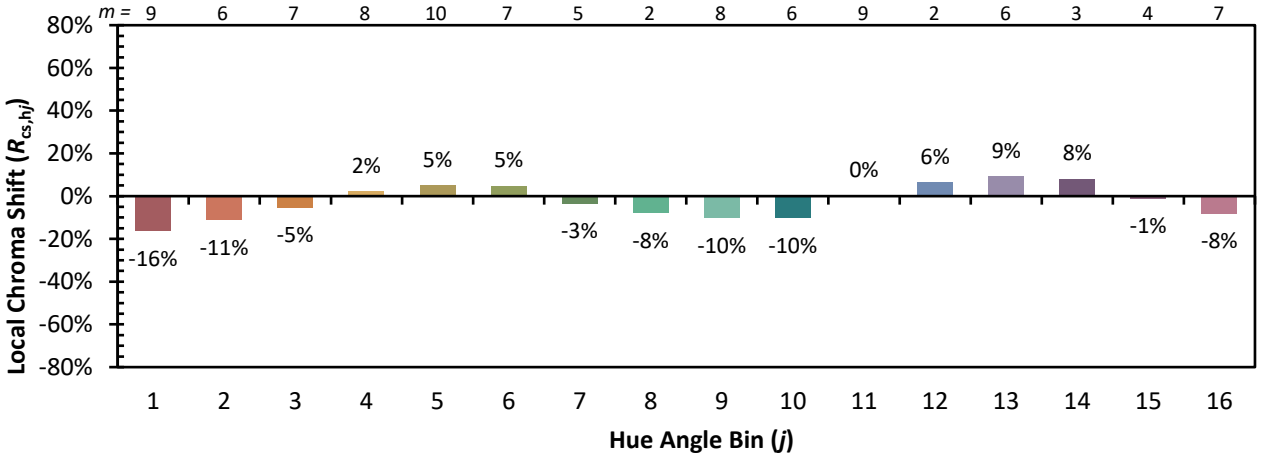
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CES02 = 61	CES27 = 92	CES52 = 91	CES77 = 78
CES03 = 30	CES28 = 88	CES53 = 84	CES78 = 65
CES04 = 70	CES29 = 76	CES54 = 87	CES79 = 88
CES05 = 47	CES30 = 88	CES55 = 86	CES80 = 86
CES06 = 50	CES31 = 79	CES56 = 80	CES81 = 79
CES07 = 40	CES32 = 72	CES57 = 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	

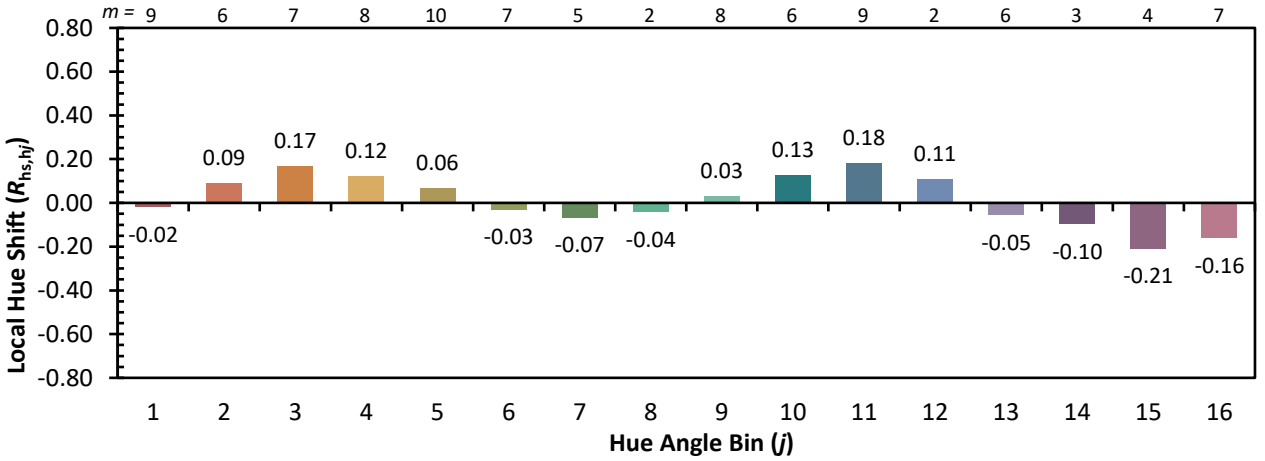


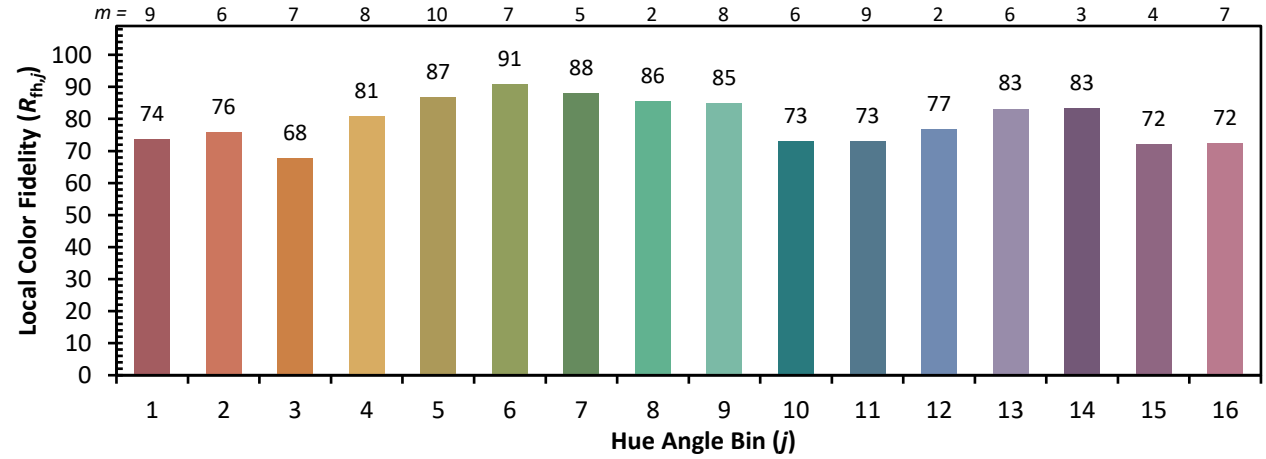
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Color Rendition by Hue-Angle Bin



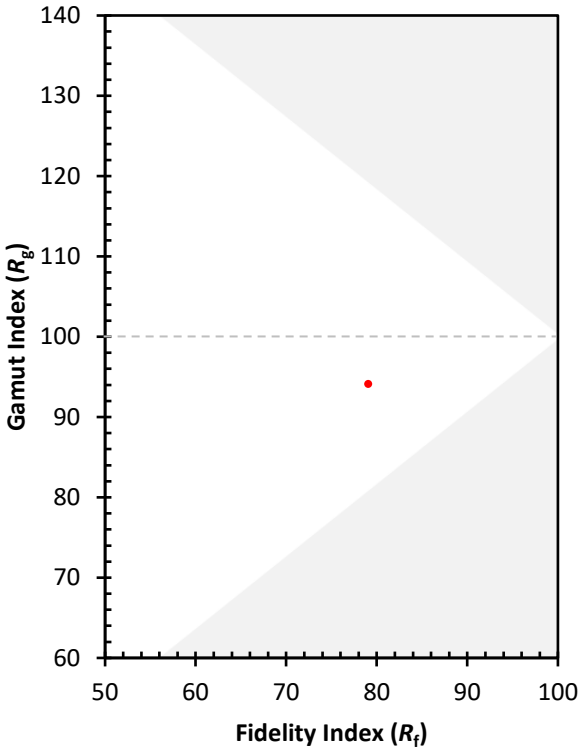


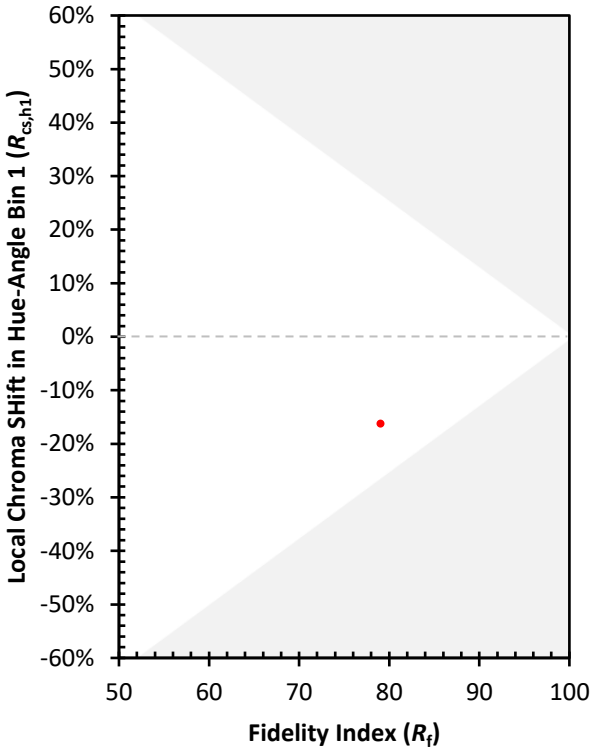


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Measure Comparisons





(END OF REPORT)