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: P1046447

Luminaire Tested: **FFX-CLB-60-750-U-FR-T4-UPLR**

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:	P1046447
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-750-U-FR-T4-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND UPLIGHT REFLECTOR
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9610.7 lumens
Efficiency:	N/A
Efficacy:	158.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U4 - G3

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

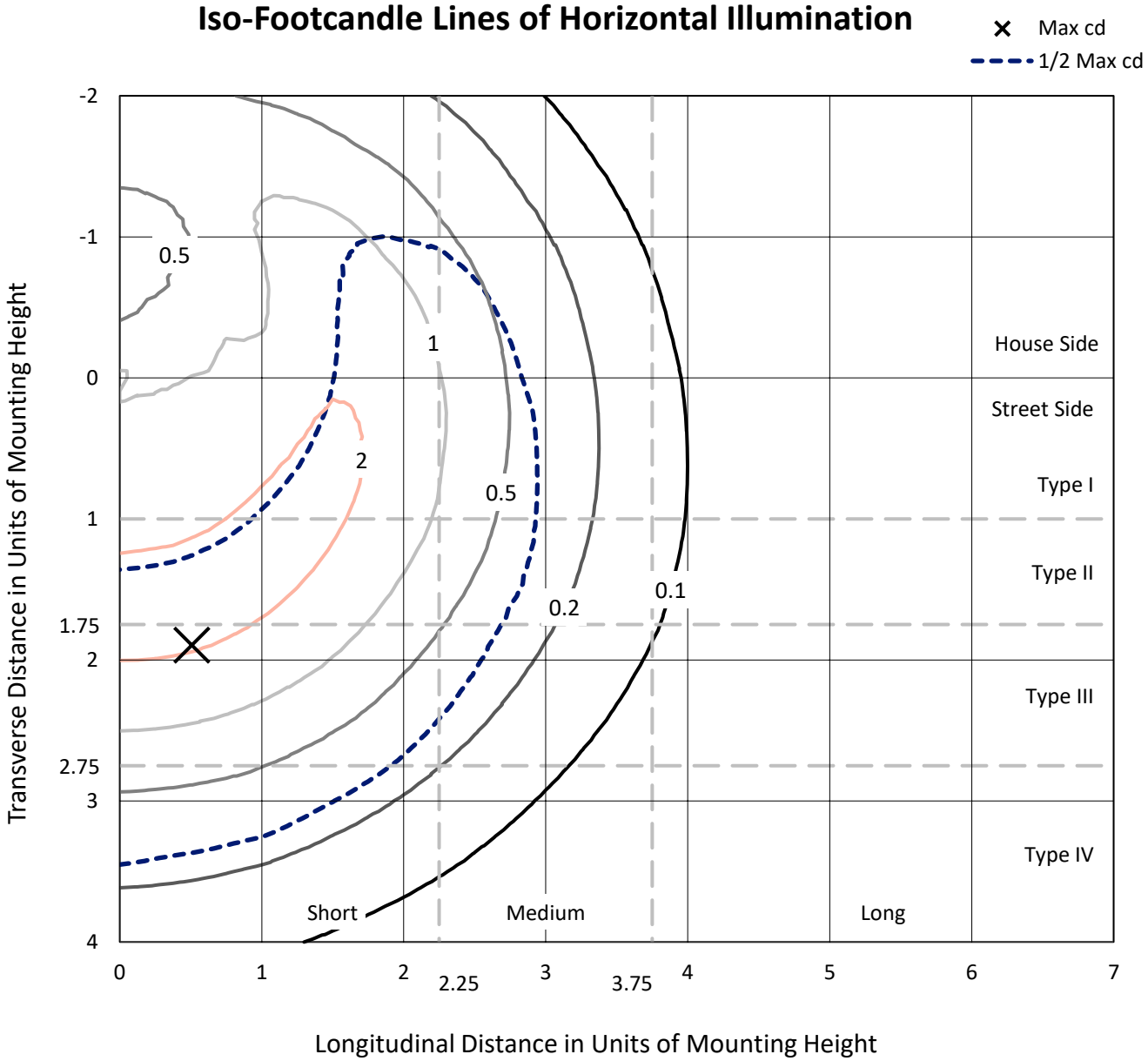


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Iso-Footcandle Lines of Horizontal Illumination



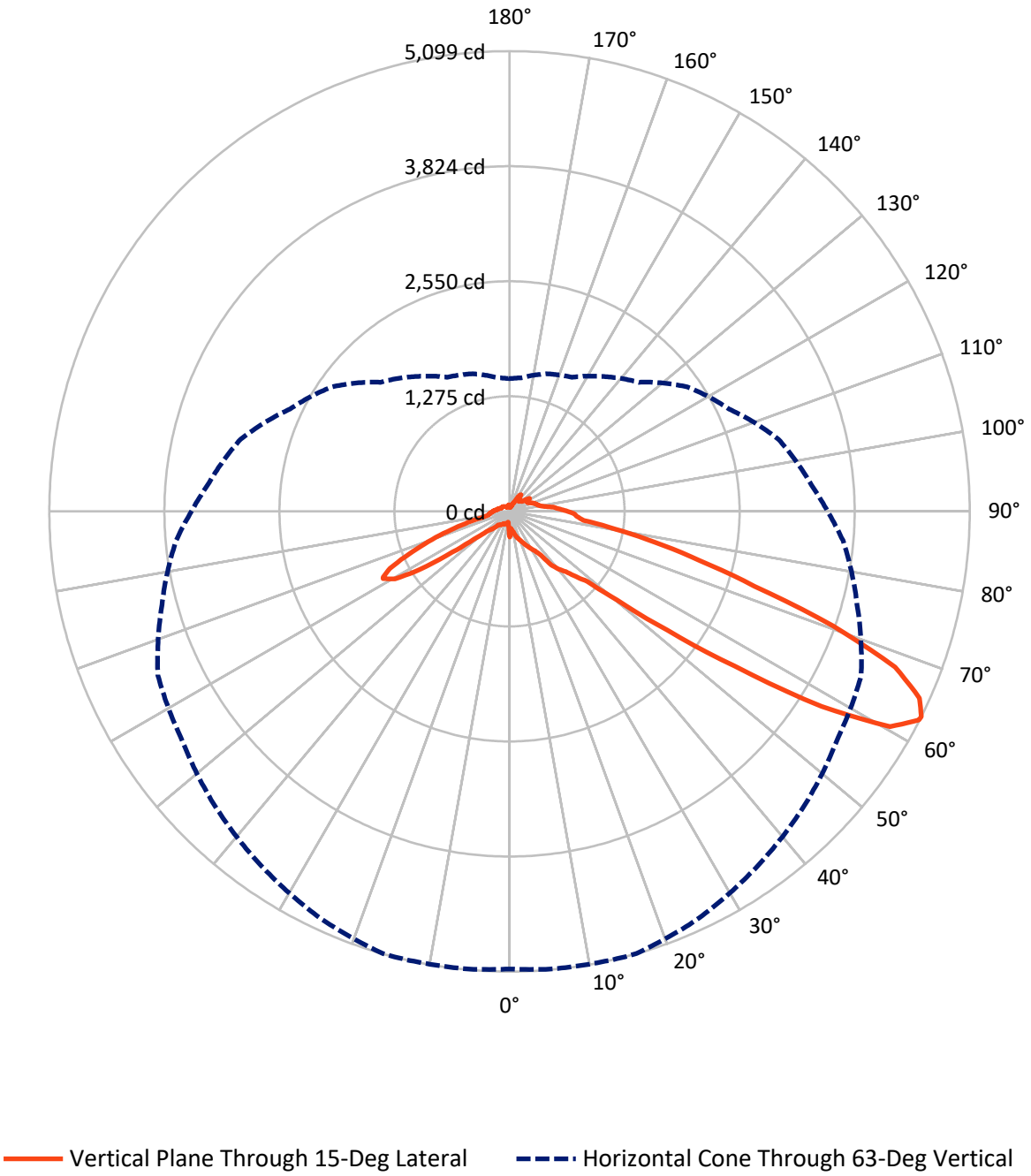
Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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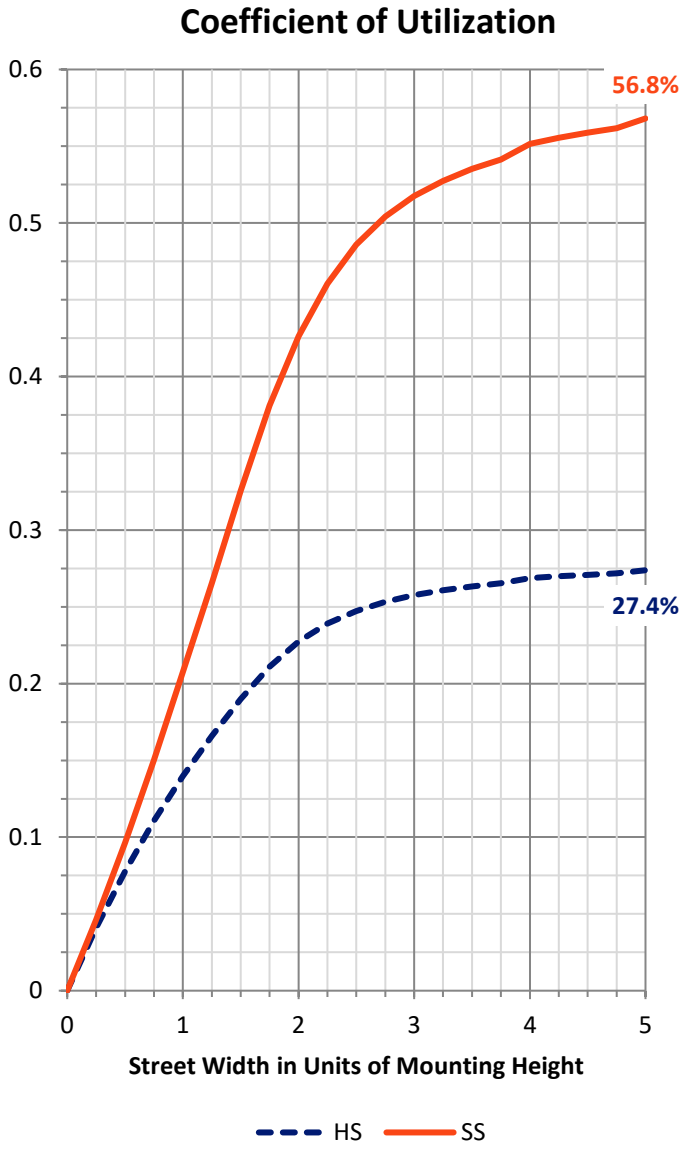
REPORT NUMBER: P1046447
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2718.1	442.9	3160.9
	% Fixture	28.3	4.6	32.9
Street Side	Lumens	5691.2	758.6	6449.8
	% Fixture	59.2	7.9	67.1
Total	Lumens	8409.3	1201.5	9610.7
	% Fixture	87.5	12.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.2
10°-20°	62.9	0.7
20°-30°	136.3	1.4
30°-40°	280.3	2.9
40°-50°	578.0	6.0
50°-60°	1901.3	19.8
60°-70°	3147.9	32.8
70°-80°	1651.1	17.2
80°-90°	634.0	6.6
90°-100°	383.0	4.0
100°-110°	241.2	2.5
110°-120°	178.6	1.9
120°-130°	152.1	1.6
130°-140°	99.2	1.0
140°-150°	86.2	0.9
150°-160°	39.4	0.4
160°-170°	16.1	0.2
170°-180°	5.6	0.1
0°-90°	8409.3	87.5
0°-180°	9610.7	100.0



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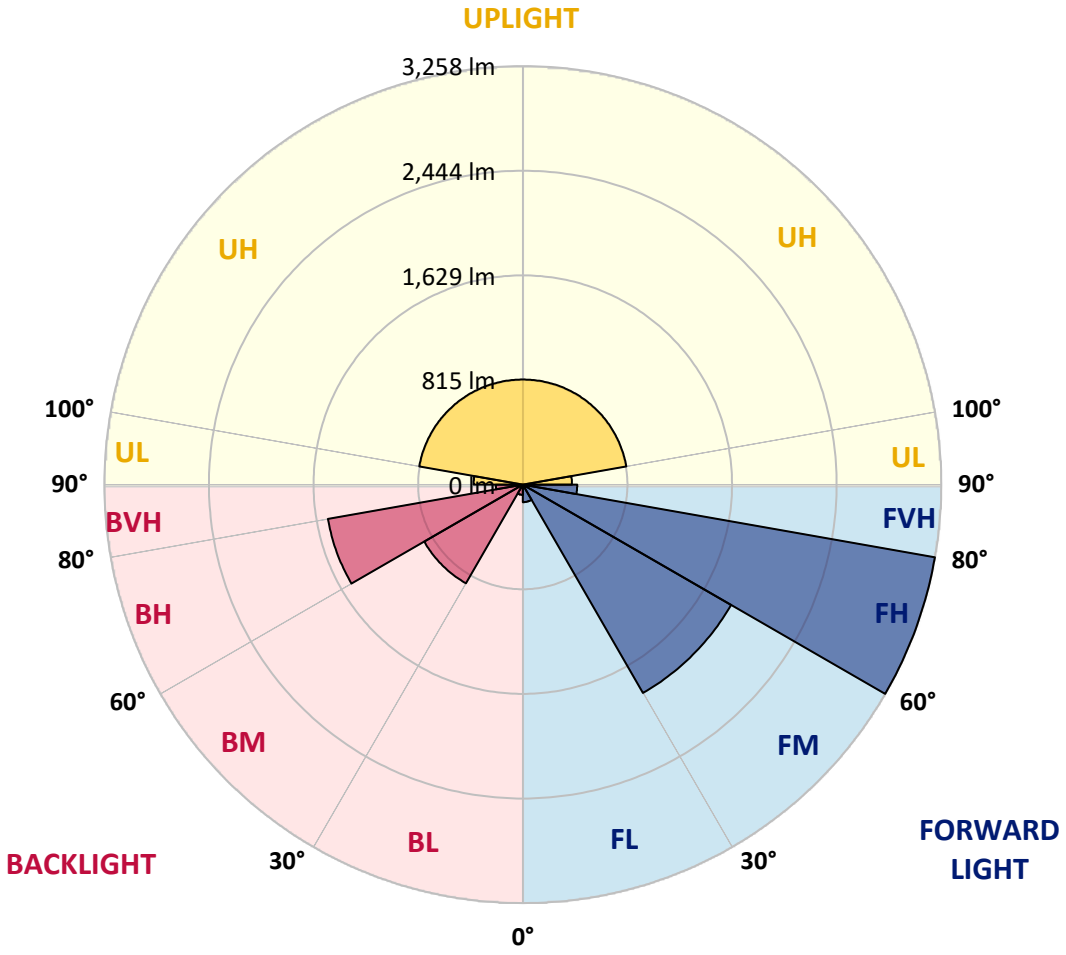
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	136.7	1.4			
FM	(30°-60°)	1872.7	19.5			
FH	(60°-80°)	3258.2	33.9			G2/5000
FVH	(80°-90°)	423.6	4.4			G3/500
BL	(0°-30°)	80.0	0.8	B0/110		
BM	(30°-60°)	886.8	9.2	B1/1000		
BH	(60°-80°)	1540.8	16.0	B3/2500		G3/2500
BVH	(80°-90°)	210.4	2.2			G2/225
UL	(90°-100°)	383.0	4.0		U3/500	
UH	(100°-180°)	818.5	8.5		U4/1000	

BUG Rating: B3-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
0°	283.8	283.8	*283.8*	283.8	283.8	283.8	283.8	283.8	283.8	283.8	283.8
2.5°	174.7	174.7	*200.0*	204.4	228.3	235.9	222.7	212.6	237.2	287.6	295.8
5°	189.9	193.6	*193.0*	192.4	193.6	216.3	239.7	229.0	188.0	149.5	149.5
7.5°	215.1	216.3	*215.7*	215.1	206.9	193.6	188.0	205.0	215.7	183.6	153.9
10°	232.7	231.5	*230.9*	230.2	231.5	236.5	234.6	213.8	193.0	182.3	176.0
12.5°	266.2	266.8	*264.9*	263.7	262.4	260.5	258.6	263.0	251.7	220.8	200.0
15°	291.4	291.4	*296.5*	295.2	295.2	288.9	280.1	267.4	252.3	244.1	225.8
17.5°	317.9	318.5	*317.9*	317.9	315.4	307.2	297.7	286.4	270.6	256.7	240.9
20°	343.8	343.8	*343.1*	342.5	341.9	335.6	323.6	308.4	293.9	280.7	264.3
22.5°	370.9	372.8	*374.0*	372.8	370.9	364.6	351.3	336.8	322.9	304.0	286.4
25°	409.4	410.0	*408.7*	407.5	404.9	396.7	386.7	371.5	354.5	334.3	311.0
27.5°	445.9	447.2	*446.6*	446.6	441.5	434.6	424.5	404.3	385.4	362.1	338.1
30°	487.6	486.3	*483.2*	483.8	480.6	475.0	463.6	445.9	422.0	394.2	367.7
32.5°	528.6	528.6	*524.2*	522.3	522.3	514.7	502.1	483.8	461.1	431.4	405.6
35°	573.4	584.7	*596.1*	600.5	600.5	589.8	574.6	550.7	531.1	500.2	468.0
37.5°	788.4	781.5	*753.8*	756.9	747.4	743.0	732.9	712.8	685.6	638.3	589.1
40°	864.1	862.9	*842.1*	839.5	835.1	820.6	809.9	796.0	786.6	729.8	656.0
42.5°	877.4	884.3	*912.1*	919.0	955.0	932.9	890.0	811.8	792.2	749.3	718.4
45°	1026.2	1028.8	*1028.8*	1030.0	1020.6	1004.2	998.5	948.7	909.6	847.7	789.7
47.5°	1174.5	1180.1	*1158.1*	1175.7	1200.3	1166.9	1151.8	1110.8	1057.2	1009.2	914.0
50°	1518.9	1540.9	*1545.4*	1546.0	1556.7	1554.2	1531.5	1474.7	1421.1	1311.3	1205.4
52.5°	2156.6	2178.0	*2187.5*	2164.8	2131.3	2116.2	2121.9	2098.5	1974.3	1856.3	1641.2
55°	2989.2	3026.4	*3026.4*	3050.3	3040.3	2968.3	2963.9	2811.3	2610.7	2479.5	2292.2
57.5°	4103.1	4046.9	*4078.5*	4112.5	4043.2	3967.5	3854.6	3695.0	3401.7	3175.2	2904.0
60°	4928.7	4906.0	*4843.6*	4805.1	4631.7	4481.5	4392.6	4275.9	4053.2	3755.5	3392.8
62.5°	5080.1	5096.5	*5092.1*	5092.1	4953.3	4773.6	4593.8	4422.9	4284.7	3978.2	3691.2
63°	*5070.7*	*5090.8*	*5099.0*	*5096.5*	*4971.6*	*4794.4*	*4615.9*	*4427.3*	*4299.2*	*3986.4*	*3708.9*
65°	4989.9	5007.0	*4992.4*	4987.4	4908.6	4788.7	4588.1	4401.4	4284.7	3949.8	3711.4
67.5°	4665.7	4661.9	*4607.7*	4632.3	4582.5	4515.6	4328.3	4144.1	4063.3	3697.5	3478.0
70°	3768.1	3741.7	*3800.9*	3836.3	3782.0	3755.5	3532.9	3411.8	3307.7	3029.5	2852.3
72.5°	2880.7	2825.8	*2835.9*	2868.1	2799.9	2781.6	2686.4	2586.7	2536.9	2363.4	2166.7
75°	2258.7	2229.1	*2174.2*	2183.1	2126.9	2108.6	2098.5	2069.5	2050.0	1905.5	1710.6
77.5°	1689.2	1687.9	*1641.9*	1634.9	1594.6	1624.8	1612.8	1656.4	1646.9	1532.1	1383.9
80°	1182.0	1175.1	*1187.1*	1182.7	1173.2	1190.9	1171.9	1195.9	1195.9	1120.9	1058.4
82.5°	771.4	785.3	*823.1*	832.0	845.8	887.5	820.6	785.3	775.8	767.6	737.4
85°	765.7	769.5	*753.1*	755.0	748.7	732.9	744.9	750.6	741.1	695.7	628.9
87.5°	721.6	726.6	*713.4*	717.2	693.8	698.9	706.4	710.9	706.4	666.1	610.6
90°	608.1	613.7	*625.7*	625.7	627.6	628.9	616.9	623.8	619.4	580.9	540.6
92.5°	539.3	544.3	*545.0*	545.6	540.6	557.0	537.4	525.4	522.3	491.4	462.3
95°	493.3	487.6	*486.3*	487.6	485.1	484.4	471.8	463.0	459.2	434.6	406.2
97.5°	386.0	389.2	*387.9*	391.1	384.8	384.1	373.4	362.1	358.3	338.1	319.2
100°	338.7	338.1	*339.3*	340.0	336.2	331.8	324.2	316.0	311.6	296.5	278.2
102.5°	317.9	317.3	*319.8*	320.4	317.3	314.1	307.8	302.8	299.0	285.1	264.9
105°	304.7	302.8	*305.9*	305.9	299.0	297.1	292.7	292.0	289.5	273.1	253.6
107.5°	286.4	283.2	*287.0*	286.4	283.8	281.9	278.2	275.6	273.7	259.9	237.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
110°	269.3	264.9	*266.8*	268.1	270.0	268.7	265.5	260.5	255.5	244.1	225.8
112.5°	237.8	240.3	*239.7*	239.7	241.6	242.2	236.5	233.4	230.2	221.4	209.4
115°	225.8	225.8	*225.8*	225.8	220.8	218.9	213.2	209.4	208.8	198.1	190.5
117.5°	216.3	217.6	*220.8*	222.7	229.0	225.2	212.6	204.4	201.2	196.8	188.6
120°	254.8	250.4	*246.0*	245.4	246.0	243.5	240.9	235.3	227.7	215.7	193.0
122.5°	273.1	261.8	*263.7*	263.0	258.6	260.5	261.1	261.8	256.7	237.8	202.5
125°	229.0	225.8	*227.7*	229.6	230.2	229.6	228.3	234.0	227.1	220.8	194.3
127.5°	182.9	181.7	*177.9*	177.2	176.0	176.6	176.6	178.5	172.2	165.9	164.6
130°	174.1	171.6	*172.2*	172.8	172.2	168.4	165.9	162.7	162.1	155.8	147.0
132.5°	157.7	159.0	*169.7*	170.9	178.5	174.1	160.8	152.0	153.3	156.4	153.3
135°	147.6	147.0	*155.2*	155.8	167.2	164.0	153.3	143.2	143.2	150.8	147.6
137.5°	150.8	152.0	*152.6*	153.3	152.6	152.0	151.4	147.0	143.8	143.2	135.6
140°	162.1	161.5	*155.2*	155.8	155.2	155.2	159.0	162.1	151.4	141.9	129.3
142.5°	169.7	171.6	*169.0*	172.2	177.9	172.8	166.5	158.3	152.0	145.7	138.1
145°	230.2	225.8	*223.9*	222.7	218.9	208.2	201.8	193.6	186.1	176.0	163.4
147.5°	208.8	210.0	*206.3*	207.5	202.5	198.7	197.4	198.1	195.5	189.9	176.6
150°	165.9	167.2	*163.4*	161.5	159.6	159.6	159.6	160.8	157.7	153.9	147.6
152.5°	116.1	114.8	*113.5*	112.9	111.6	110.4	110.4	111.0	107.9	106.6	101.6
155°	106.6	106.0	*100.9*	99.7	100.9	102.2	102.8	100.9	98.4	95.9	88.9
157.5°	83.3	81.4	*80.7*	82.0	82.0	81.4	80.1	81.4	78.8	78.2	77.0
160°	68.1	67.5	*68.1*	68.1	68.8	68.8	68.1	68.1	66.9	67.5	67.5
162.5°	58.0	58.0	*58.0*	57.4	58.7	59.3	58.7	58.7	59.3	61.2	62.4
165°	49.8	49.8	*50.5*	50.5	51.1	51.1	51.7	52.4	53.6	58.0	61.8
167.5°	46.7	46.7	*47.3*	47.3	47.9	48.6	49.8	52.4	56.1	61.2	63.1
170°	46.0	46.0	*46.0*	46.0	46.7	47.3	49.8	53.6	58.0	61.2	59.3
172.5°	47.9	47.9	*48.6*	48.6	48.6	51.1	53.0	56.1	58.7	59.3	57.4
175°	49.8	49.2	*49.8*	49.8	50.5	52.4	54.9	56.1	57.4	58.0	58.7
177.5°	48.6	48.6	*48.6*	49.2	49.2	49.8	51.1	51.7	53.0	54.2	56.1
180°	47.3	47.3	*47.3*	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	283.8	283.8	283.8	283.8	283.8	283.8	283.8	283.8	283.8	283.8	283.8
2.5°	295.8	287.6	223.9	191.8	218.9	271.9	276.9	239.7	186.1	129.3	118.0
5°	157.7	166.5	186.1	185.4	172.8	161.5	147.6	138.8	153.3	147.0	150.8
7.5°	142.6	134.4	137.5	160.8	157.1	119.2	107.9	105.3	118.0	147.0	143.8
10°	173.5	170.9	161.5	142.6	136.2	141.3	145.7	142.6	131.2	114.2	111.6
12.5°	196.2	193.0	194.3	206.3	191.8	159.0	140.7	135.0	141.3	166.5	171.6
15°	218.2	212.6	204.4	187.3	173.5	164.6	153.9	142.6	146.3	139.4	136.9
17.5°	233.4	224.5	207.5	194.9	181.0	169.7	160.2	148.2	140.0	138.1	138.8
20°	253.6	244.1	225.8	211.3	194.3	179.1	162.7	150.1	141.9	138.8	138.8
22.5°	276.9	265.5	244.7	224.5	205.6	186.1	166.5	152.6	145.1	141.9	140.7
25°	301.5	290.1	264.3	242.8	218.9	197.4	177.2	159.6	151.4	147.6	144.4
27.5°	326.7	312.9	287.0	260.5	234.6	209.4	188.0	169.7	158.3	152.0	152.6
30°	354.5	343.1	314.1	283.8	251.7	222.0	201.2	180.4	166.5	159.6	160.2
32.5°	391.7	373.4	338.7	304.0	272.5	239.7	213.2	189.2	174.1	169.7	170.3
35°	453.5	430.2	387.9	340.6	298.3	259.9	226.4	198.1	180.4	173.5	172.8
37.5°	565.2	533.6	485.1	429.5	368.4	305.9	251.7	208.2	186.1	174.7	172.8
40°	619.4	576.5	515.3	467.4	425.8	372.1	310.3	244.7	195.5	181.0	179.1
42.5°	691.9	656.0	576.5	483.2	427.7	382.9	339.3	297.1	235.9	198.1	191.1
45°	762.0	729.8	667.3	575.9	493.3	423.2	358.3	312.2	274.4	235.9	232.7
47.5°	879.9	845.8	741.8	660.4	573.4	493.9	425.8	350.1	300.9	273.7	273.7
50°	1175.7	1113.3	1010.5	885.6	745.6	616.9	520.4	427.7	368.4	327.4	325.5
52.5°	1588.9	1500.6	1349.2	1211.1	1045.8	896.9	746.8	585.3	498.9	439.6	439.0
55°	2185.6	2095.4	1892.9	1627.4	1424.9	1247.0	1091.2	914.0	777.7	681.8	674.3
57.5°	2822.0	2746.3	2540.1	2210.2	1891.0	1576.3	1387.7	1246.4	1180.8	1113.9	1100.0
60°	3234.5	3104.6	2916.6	2601.9	2292.8	1891.6	1657.6	1495.5	1473.5	1458.9	1440.7
62.5°	3494.4	3341.1	3061.7	2684.5	2400.7	2020.9	1811.5	1638.7	1587.0	1509.4	1487.3
63°	*3524.0*	*3357.5*	*3085.0*	*2682.6*	*2403.8*	*2022.8*	*1822.9*	*1638.7*	*1578.2*	*1484.8*	*1470.3*
65°	3510.2	3355.6	3083.8	2643.5	2330.7	1985.6	1790.1	1563.6	1467.1	1343.5	1318.9
67.5°	3298.2	3133.6	2877.5	2444.8	2162.2	1810.3	1595.2	1354.9	1208.5	1087.4	1059.0
70°	2685.1	2583.0	2357.8	1983.7	1769.3	1494.9	1306.3	1117.7	959.4	832.0	799.8
72.5°	2046.2	1938.9	1769.9	1527.1	1368.7	1180.1	1001.6	856.6	726.0	641.5	644.0
75°	1623.6	1521.4	1382.0	1222.4	1093.1	925.3	748.7	604.9	512.2	461.7	457.3
77.5°	1307.6	1236.9	1115.2	968.2	856.6	681.2	524.2	398.6	329.9	300.9	292.7
80°	1008.0	958.8	867.9	738.6	622.6	478.7	357.0	281.9	245.4	220.8	216.3
82.5°	717.2	687.5	611.8	521.6	442.8	367.7	312.9	263.7	225.8	205.0	198.7
85°	598.6	570.8	522.9	466.8	416.3	361.4	303.4	251.0	215.7	199.3	191.1
87.5°	580.9	555.1	509.0	449.1	394.2	334.9	276.3	227.1	201.8	186.1	181.0
90°	520.4	500.8	460.5	405.6	350.7	290.1	239.1	204.4	184.8	172.2	166.5
92.5°	448.5	431.4	398.0	352.0	305.9	262.4	223.3	194.3	174.7	162.1	157.7
95°	389.8	379.1	351.3	312.2	278.8	242.8	209.4	181.7	161.5	150.1	145.7
97.5°	311.0	298.3	278.2	251.0	225.8	200.6	176.0	157.1	142.6	135.0	131.2
100°	270.6	262.4	244.1	222.7	201.2	179.1	160.2	145.7	136.2	129.9	126.8
102.5°	254.8	249.1	232.1	210.7	190.5	169.0	150.1	136.9	129.9	124.3	121.7
105°	240.3	235.9	222.7	203.1	183.6	160.2	138.8	127.4	121.1	117.3	115.4
107.5°	225.2	220.1	207.5	188.6	171.6	151.4	132.5	118.6	110.4	106.0	105.3

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

Scaled Data Report

REPORT NUMBER: P1046447
CATALOG NUMBER: FFX-CLB-60-750-U-FR-T4-UPLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	212.6	208.8	194.9	179.8	163.4	144.4	128.0	113.5	104.1	99.0	98.4
112.5°	199.3	194.9	181.0	166.5	152.6	136.2	121.7	109.1	100.3	95.2	94.6
115°	181.7	177.9	167.8	153.9	142.6	126.8	114.8	103.4	96.5	91.5	90.8
117.5°	183.6	172.8	159.0	146.3	136.2	124.9	114.2	105.3	94.6	88.9	88.9
120°	186.1	176.0	162.1	151.4	145.7	136.9	120.5	107.9	93.4	87.7	87.0
122.5°	183.6	184.8	177.2	166.5	155.2	140.0	119.8	106.0	91.5	87.0	87.7
125°	177.9	183.6	172.8	158.3	143.2	128.7	111.6	99.0	90.2	87.0	86.4
127.5°	160.8	159.6	145.7	135.0	124.3	112.3	101.6	94.0	87.7	83.9	82.0
130°	141.9	141.3	135.6	126.8	116.1	105.3	95.9	90.8	84.5	79.5	78.2
132.5°	149.5	147.6	135.6	121.1	109.1	100.3	94.0	88.3	79.5	73.8	73.2
135°	141.3	140.0	128.0	113.5	102.8	98.4	94.0	85.8	75.1	70.6	70.0
137.5°	129.3	124.3	114.2	105.3	100.3	99.0	93.4	83.9	73.8	68.8	68.1
140°	123.0	119.2	111.6	106.0	100.3	93.4	85.2	76.3	69.4	65.6	65.0
142.5°	130.6	129.3	118.0	107.9	99.0	90.8	82.0	76.3	68.8	63.7	63.1
145°	154.5	148.2	134.4	120.5	112.9	102.2	90.8	78.8	65.0	57.4	55.5
147.5°	169.0	163.4	149.5	134.4	118.0	100.9	83.3	68.1	57.4	51.7	50.5
150°	140.0	137.5	128.7	114.8	100.9	85.2	70.6	59.9	53.0	49.2	49.2
152.5°	98.4	97.8	94.0	85.8	77.0	68.1	60.6	54.2	50.5	47.9	47.9
155°	87.0	85.8	83.3	75.7	69.4	61.8	56.1	52.4	49.8	47.9	47.9
157.5°	75.1	73.8	73.2	67.5	62.4	57.4	53.0	49.8	47.9	46.7	46.0
160°	66.9	65.0	63.1	59.9	56.8	54.2	52.4	49.8	47.9	46.7	46.7
162.5°	62.4	61.2	58.0	55.5	54.2	54.2	54.9	53.6	49.8	47.9	47.3
165°	62.4	60.6	56.1	53.6	53.6	56.8	59.9	57.4	54.2	50.5	49.8
167.5°	63.1	61.8	57.4	55.5	57.4	61.2	64.3	63.7	59.3	56.1	56.1
170°	58.7	58.0	58.7	60.6	62.4	63.1	64.3	63.7	65.0	69.4	69.4
172.5°	56.8	57.4	60.6	63.7	67.5	67.5	64.3	63.7	69.4	75.7	77.0
175°	59.3	60.6	63.7	67.5	70.6	70.6	67.5	68.1	73.8	79.5	80.7
177.5°	56.8	57.4	58.7	58.0	59.3	56.1	57.4	56.1	58.0	58.0	58.0
180°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

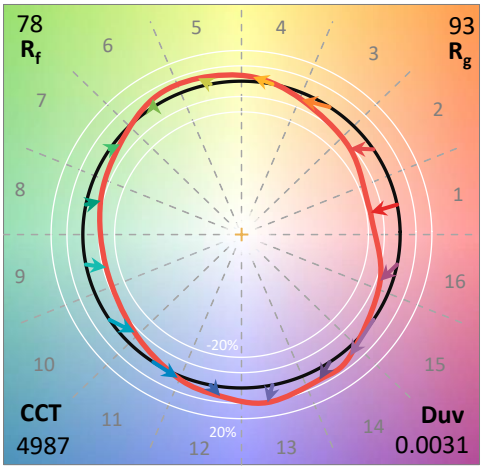
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

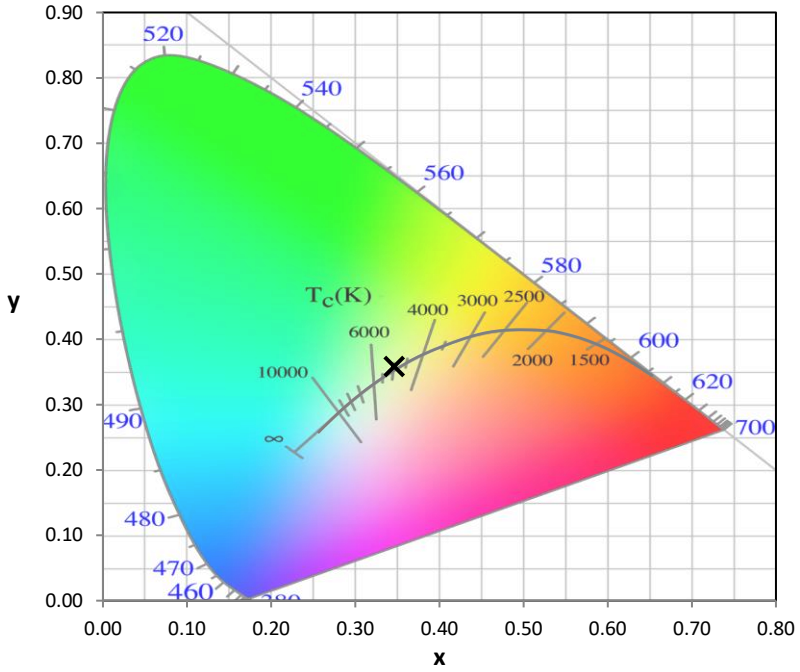
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

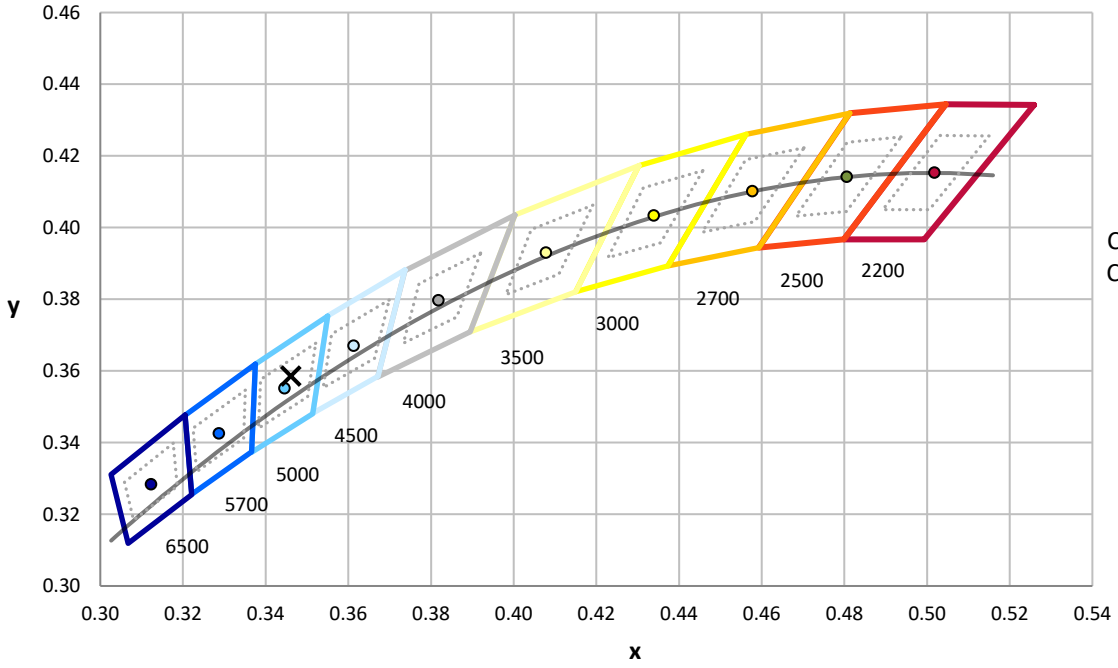
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

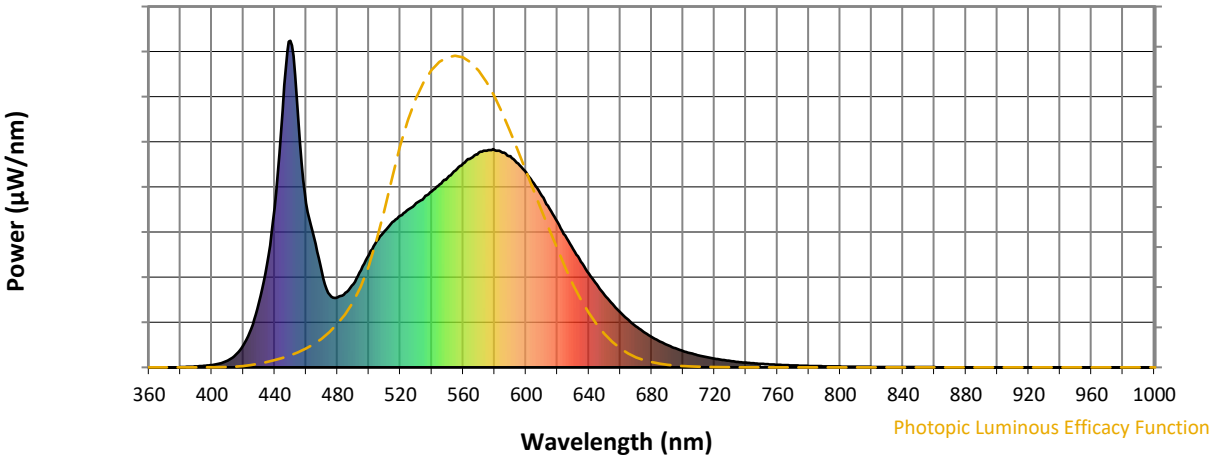


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

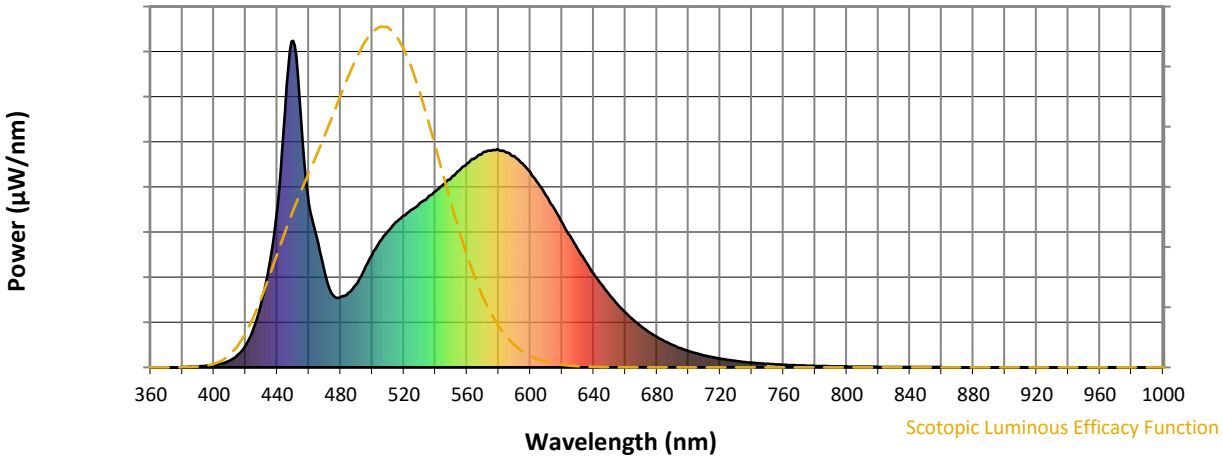


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

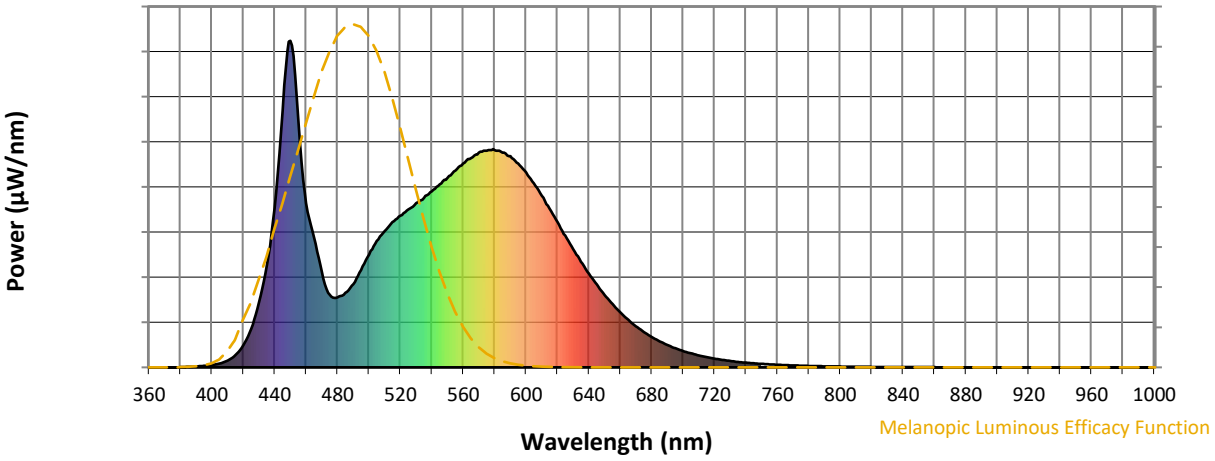


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

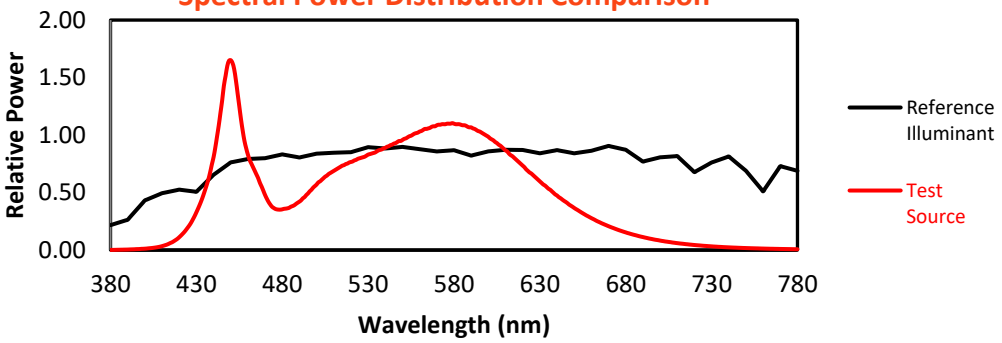
REPORT NUMBER: SP1-2501-332-5

TM-30-18

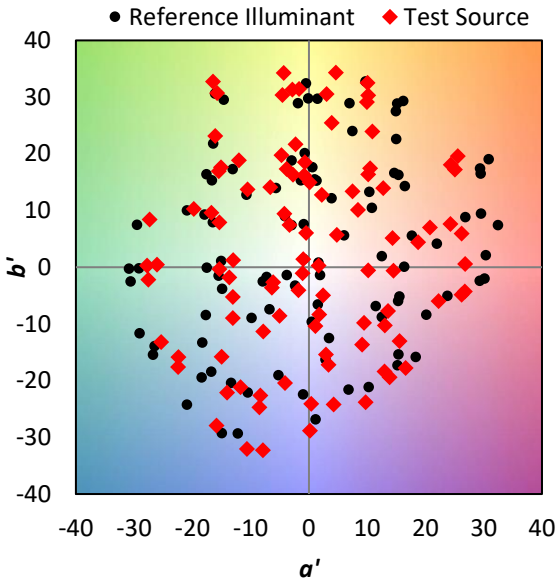
Summary

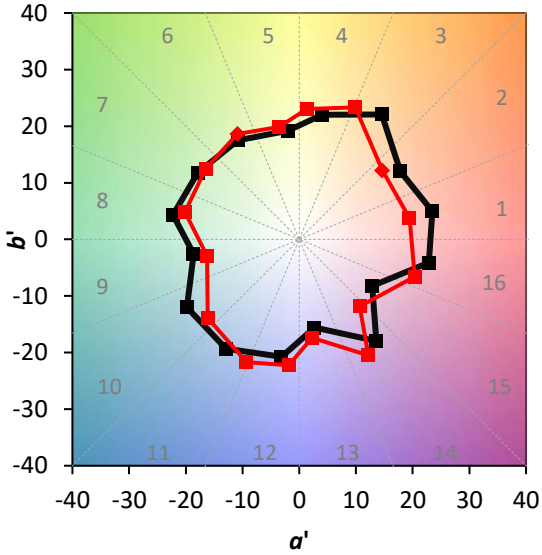
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

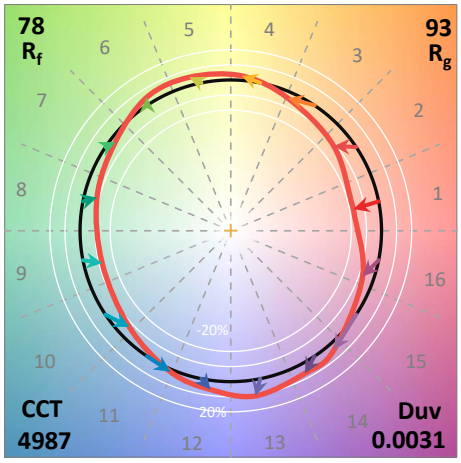
Spectral Power Distribution Comparison

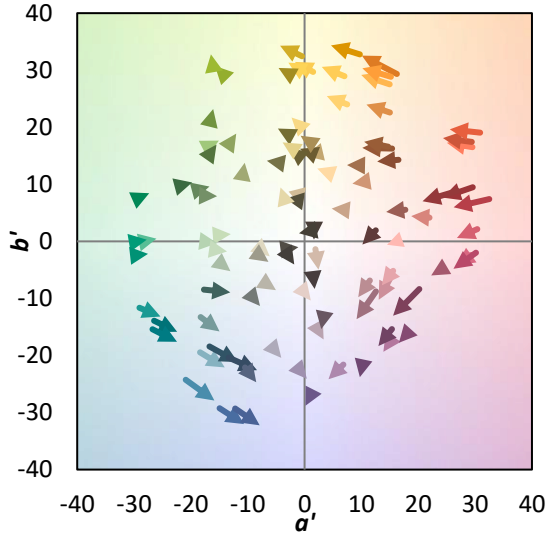


Color Vector Graphics







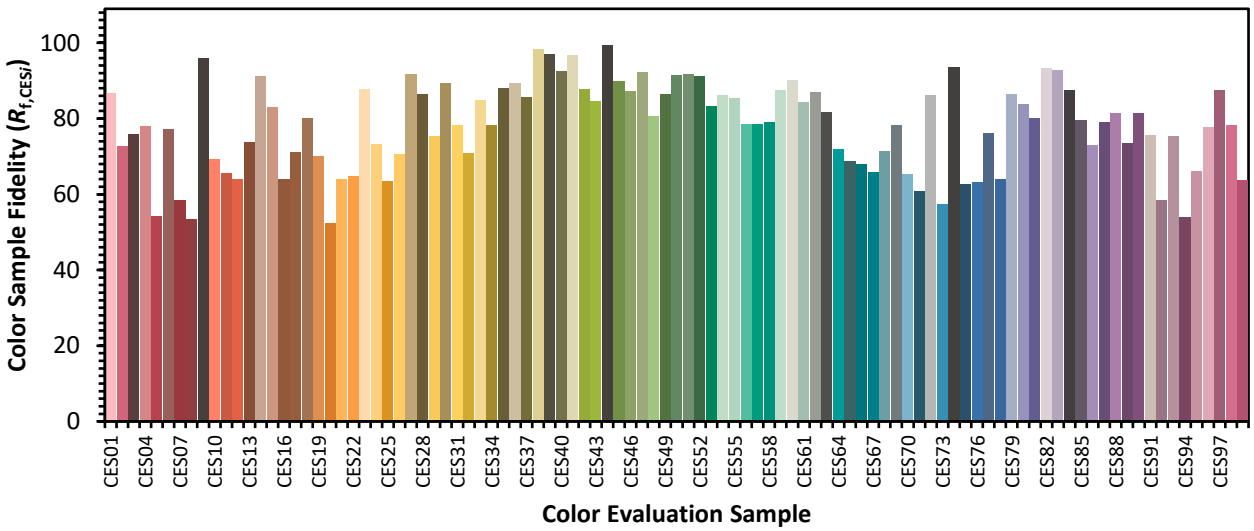


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

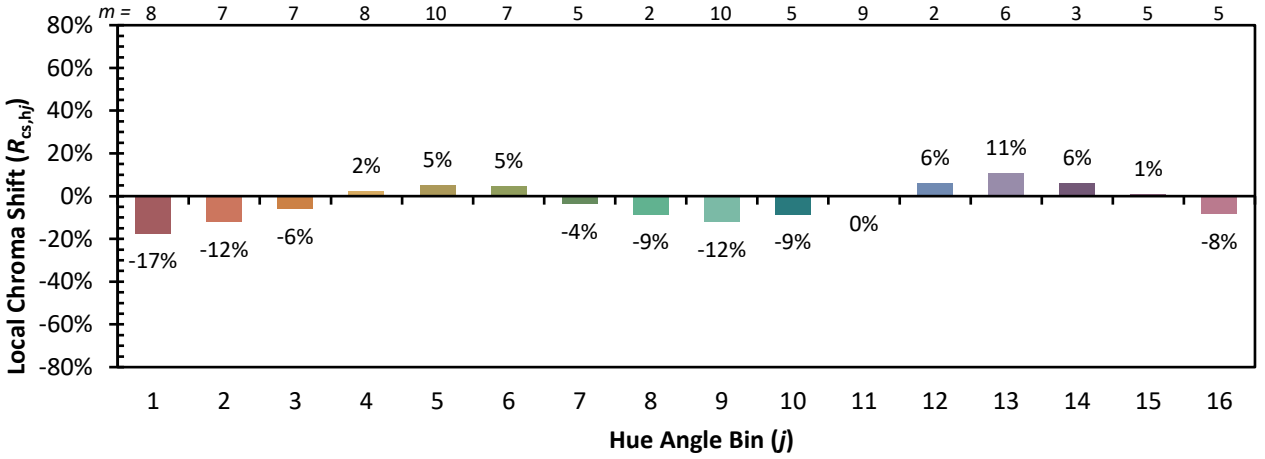
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
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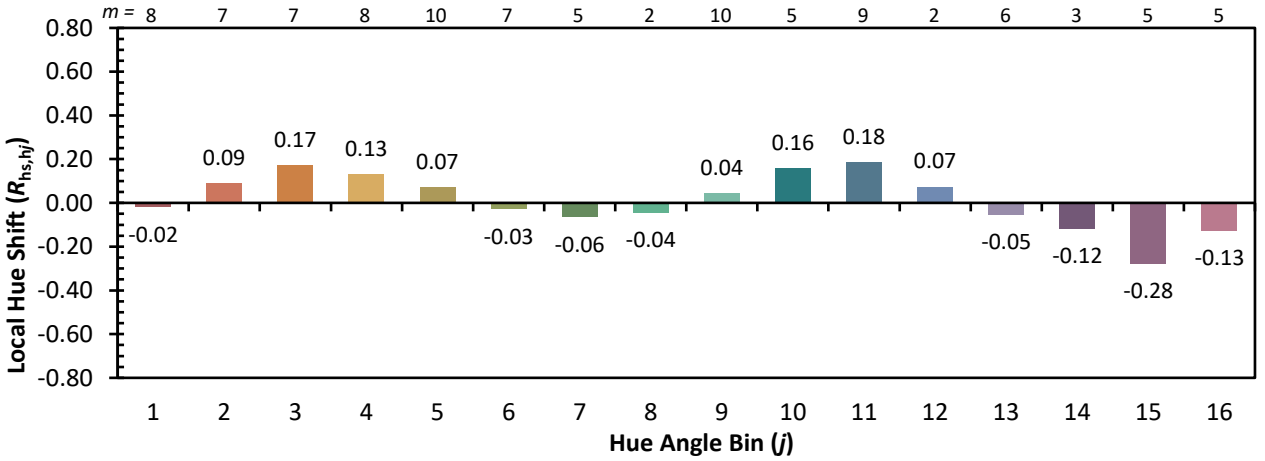


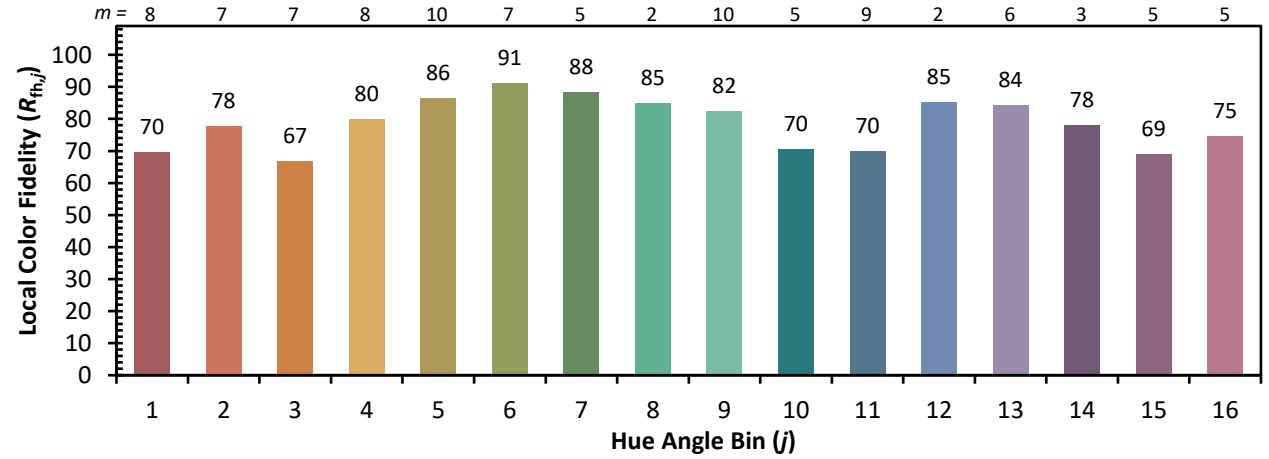
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Color Rendition by Hue-Angle Bin



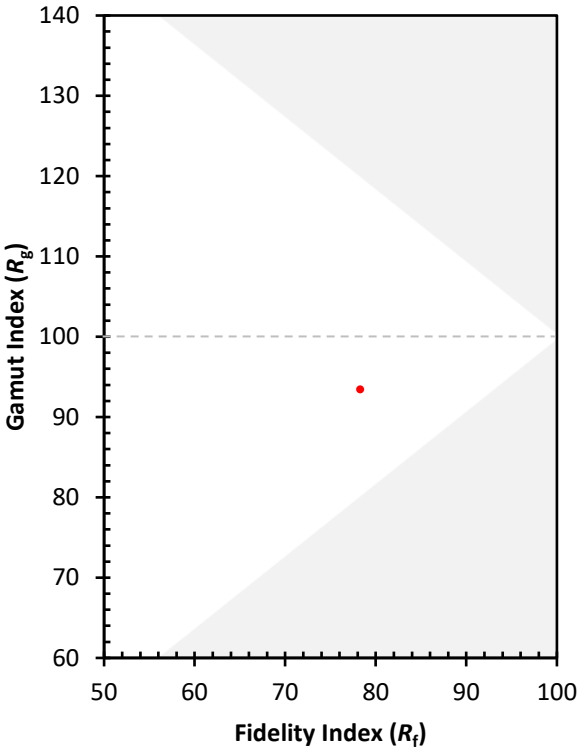


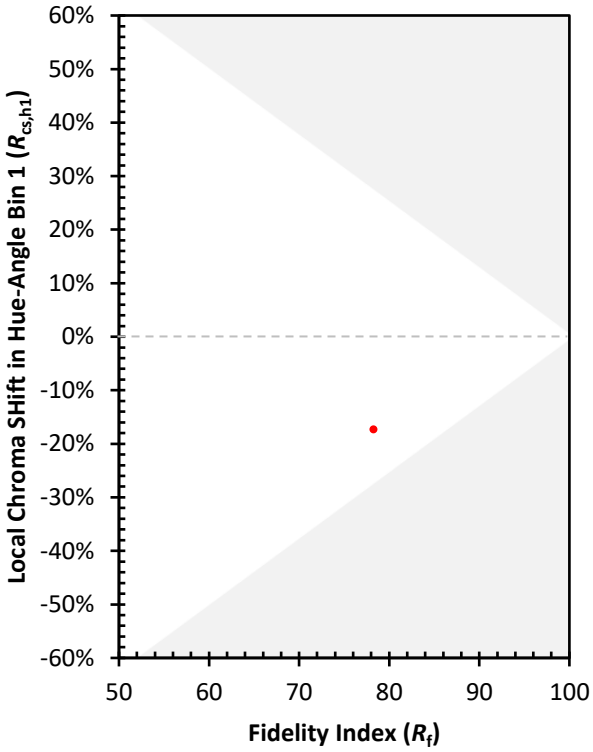


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Measure Comparisons





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