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: P1046248

Luminaire Tested: **FFX-CLB-70-730-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:	P1046248
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-730-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9848.3 lumens
Efficiency:	N/A
Efficacy:	138.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U4 - G4

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

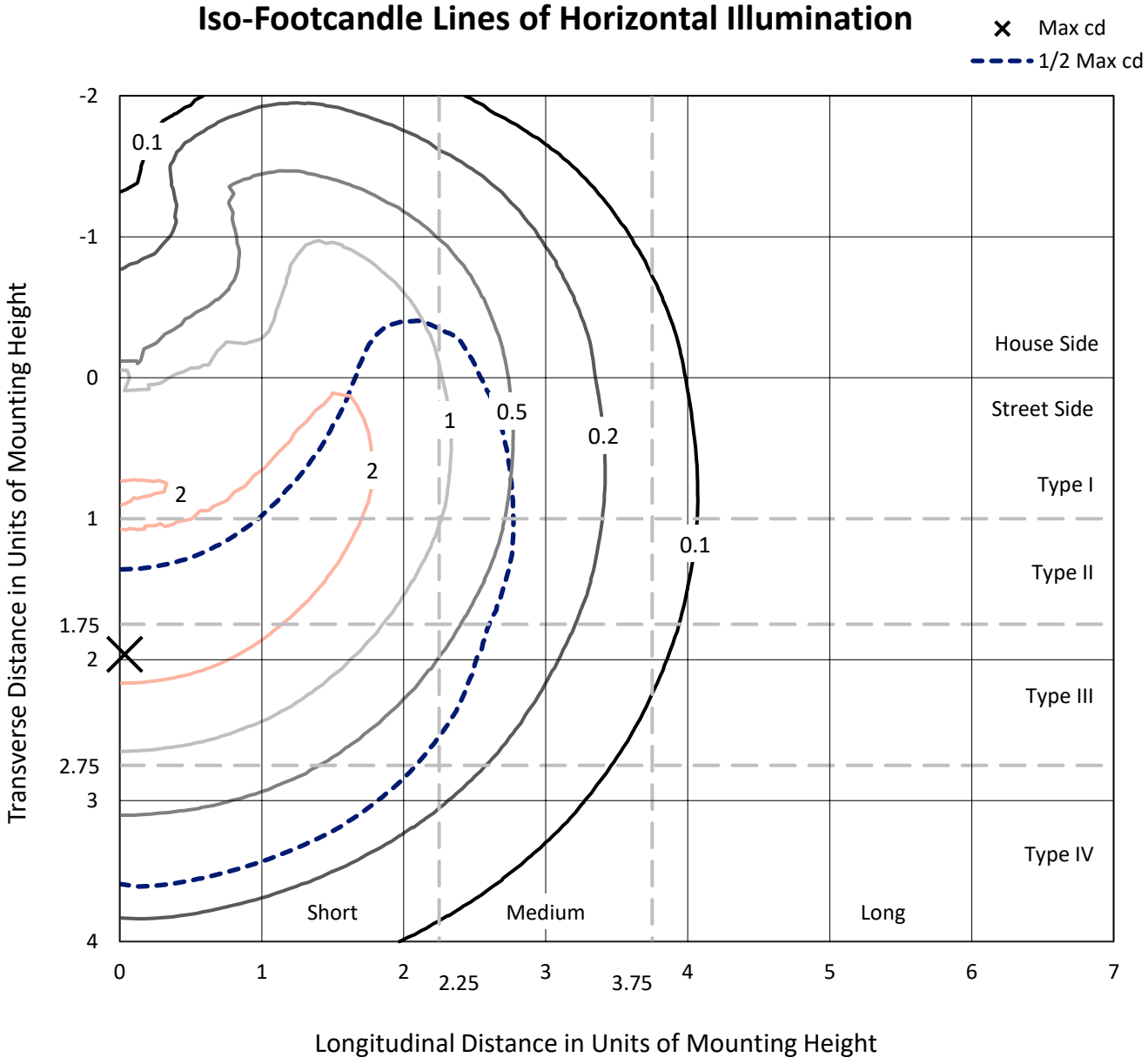


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Iso-Footcandle Lines of Horizontal Illumination



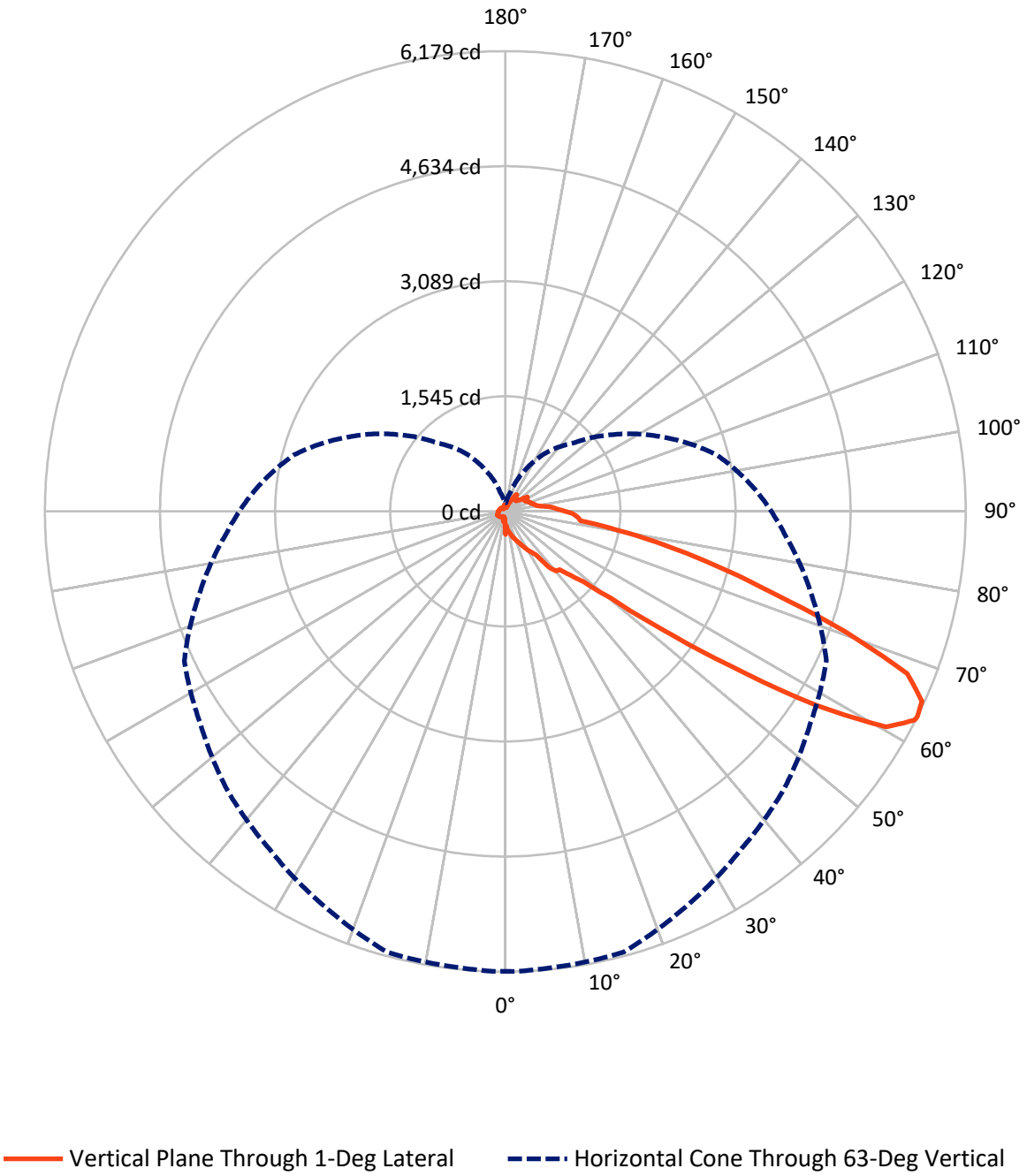
Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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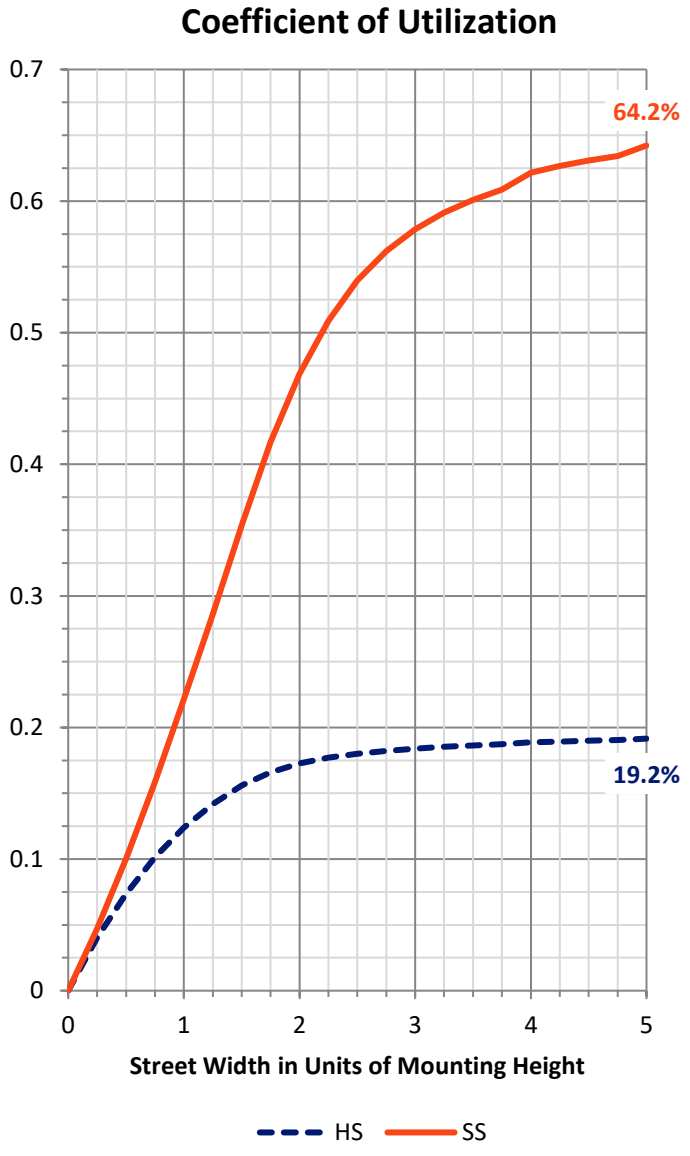
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1949.9	390.6	2340.5
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	6606.0	901.8	7507.8
	% Fixture	67.1	9.2	76.2
Total	Lumens	8555.9	1292.4	9848.3
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	0.2
10°-20°	64.8	0.7
20°-30°	142.8	1.5
30°-40°	292.5	3.0
40°-50°	590.5	6.0
50°-60°	1906.3	19.4
60°-70°	3140.6	31.9
70°-80°	1731.2	17.6
80°-90°	668.8	6.8
90°-100°	401.0	4.1
100°-110°	255.5	2.6
110°-120°	195.3	2.0
120°-130°	166.7	1.7
130°-140°	111.8	1.1
140°-150°	95.2	1.0
150°-160°	43.4	0.4
160°-170°	17.6	0.2
170°-180°	5.9	0.1
0°-90°	8555.9	86.9
0°-180°	9848.3	100.0



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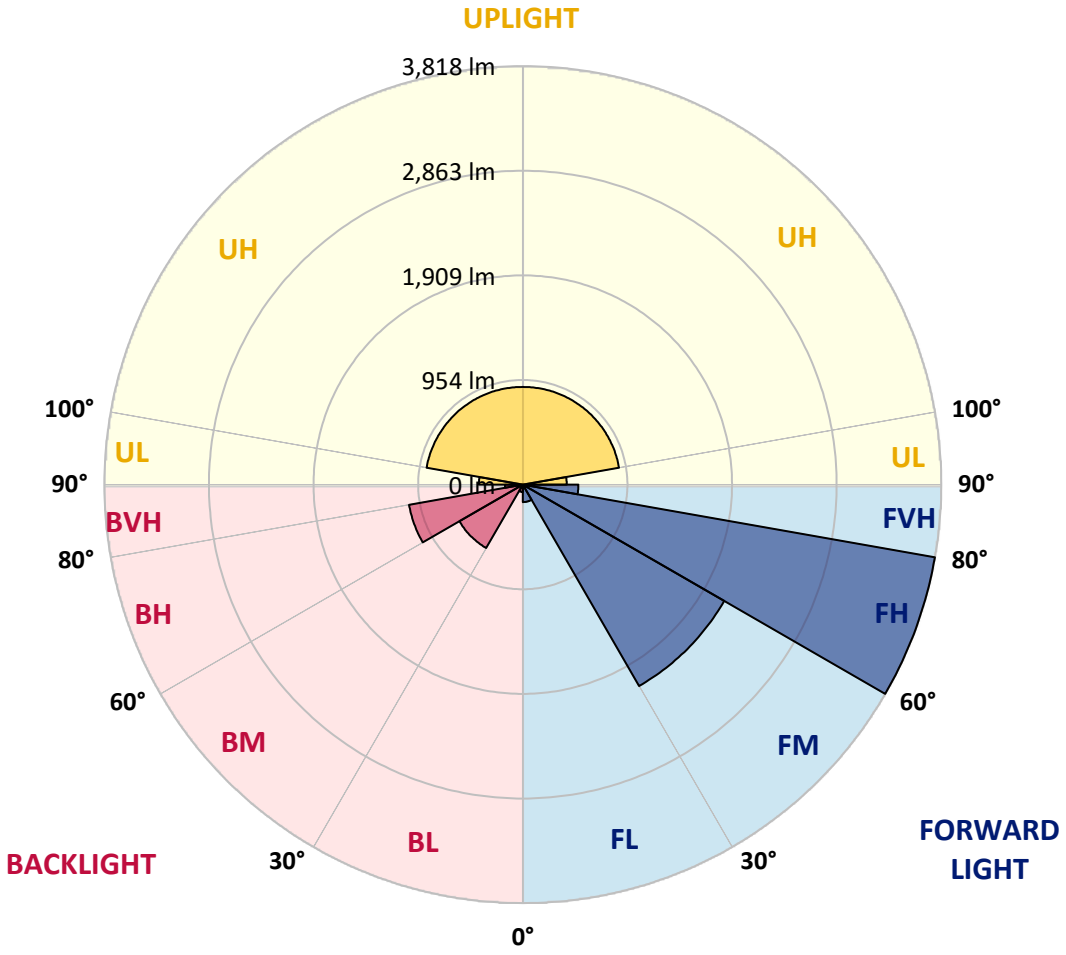
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	159.5	1.6			
FM	(30°-60°)	2121.7	21.5			
FH	(60°-80°)	3818.0	38.8			G2/5000
FVH	(80°-90°)	506.8	5.1			G4/750
BL	(0°-30°)	66.5	0.7	B0/110		
BM	(30°-60°)	667.6	6.8	B1/1000		
BH	(60°-80°)	1053.8	10.7	B3/2500		G3/2500
BVH	(80°-90°)	162.0	1.6			G2/225
UL	(90°-100°)	401.0	4.1		U3/500	
UH	(100°-180°)	891.4	9.1		U4/1000	

BUG Rating: B3-U4-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7
2.5°	192.7	190.6	199.7	227.7	258.5	268.3	248.0	240.3	262.7	314.6	320.2
5°	222.1	225.6	223.5	227.0	229.8	251.5	271.1	250.8	203.2	166.0	168.8
7.5°	262.0	261.3	261.3	258.5	244.5	222.1	215.8	231.9	232.6	194.8	165.3
10°	279.5	278.8	278.8	276.0	273.2	275.3	268.3	238.9	215.1	199.7	189.9
12.5°	316.7	315.3	314.6	313.1	308.2	302.6	297.7	299.1	278.8	240.3	215.1
15°	347.5	346.1	347.5	348.9	345.4	335.6	321.6	301.9	283.7	267.6	245.2
17.5°	381.1	380.4	379.7	378.3	373.4	360.1	343.3	325.1	304.7	282.3	261.3
20°	413.3	411.9	412.6	413.3	411.2	395.1	378.3	355.9	334.2	312.4	287.9
22.5°	451.9	451.9	449.8	449.8	447.7	437.8	416.8	390.9	368.5	341.2	313.8
25°	501.6	499.5	499.5	497.4	489.0	478.5	463.8	434.3	407.7	381.8	345.4
27.5°	550.6	548.5	548.5	547.8	537.3	523.3	498.8	470.8	445.6	412.6	368.5
30°	606.7	605.3	606.0	598.3	589.9	570.3	539.4	507.2	474.3	435.7	393.0
32.5°	663.4	659.2	658.5	650.1	638.9	615.1	580.8	549.9	515.6	470.8	435.0
35°	730.0	720.9	730.7	728.6	727.2	702.0	662.7	627.0	586.4	545.7	507.2
37.5°	950.0	954.2	952.1	924.0	901.6	867.3	849.8	807.7	751.7	702.0	629.1
40°	1053.6	1052.2	1048.7	1017.9	997.6	961.9	933.8	902.3	869.4	791.6	701.3
42.5°	1076.1	1068.4	1074.0	1102.7	1129.3	1105.5	1016.5	914.9	868.7	814.0	767.1
45°	1240.0	1220.4	1228.8	1236.5	1210.6	1176.2	1137.7	1071.9	994.1	915.6	829.5
47.5°	1415.1	1404.6	1403.9	1401.1	1403.9	1371.0	1319.9	1258.9	1148.9	1064.1	968.2
50°	1841.8	1827.8	1832.0	1835.5	1820.7	1787.1	1731.8	1691.8	1560.1	1397.6	1272.9
52.5°	2624.3	2615.9	2596.3	2597.7	2465.3	2458.3	2383.3	2347.6	2153.5	1967.9	1716.4
55°	3590.4	3645.0	3584.8	3572.8	3518.2	3469.2	3281.4	3125.9	2847.8	2580.9	2285.9
57.5°	4899.0	4908.1	4831.7	4833.8	4639.8	4516.5	4343.5	4105.3	3691.2	3305.9	2975.3
60°	5852.5	5875.6	5839.8	5765.6	5390.1	5169.4	4978.9	4791.1	4475.2	3902.8	3442.5
62.5°	6162.8	6169.8	6147.4	6108.2	5776.8	5495.2	5250.0	4977.5	4735.1	4219.5	3757.1
63°	6174.0	6178.9	6161.4	6127.8	5820.2	5528.1	5282.9	4991.5	4754.0	4247.5	3776.0
65°	6143.9	6146.0	6138.3	6093.4	5847.6	5538.6	5268.9	4981.7	4763.8	4258.7	3776.0
67.5°	5872.8	5819.5	5841.9	5766.3	5561.7	5254.2	4996.4	4703.5	4507.4	4019.1	3556.7
70°	4831.7	4835.2	4831.7	4790.4	4732.3	4489.2	4187.9	3924.5	3676.5	3293.3	2930.4
72.5°	3738.2	3752.9	3720.7	3744.5	3697.5	3496.5	3301.7	3034.8	2860.4	2535.3	2215.2
75°	2895.4	2925.5	2935.3	2867.4	2826.7	2784.0	2677.5	2485.6	2311.1	2059.6	1780.1
77.5°	2187.8	2193.4	2201.9	2155.6	2102.4	2119.2	2103.8	2012.7	1866.3	1681.3	1459.3
80°	1511.8	1527.9	1555.2	1528.6	1534.9	1525.1	1523.0	1450.2	1344.4	1228.1	1109.0
82.5°	1015.8	1015.1	1022.1	1064.8	1104.1	1102.7	1040.3	938.0	884.1	850.5	783.2
85°	972.4	972.4	982.2	951.4	931.7	912.1	907.9	872.9	831.6	755.9	662.7
87.5°	906.5	904.4	907.2	880.6	854.7	848.4	842.1	811.9	793.7	727.9	642.4
90°	775.5	781.1	781.1	779.0	762.9	756.6	731.4	706.2	695.0	635.4	568.2
92.5°	684.4	684.4	692.2	678.8	661.3	671.1	627.7	594.8	579.4	539.4	486.2
95°	618.6	616.5	626.3	607.4	594.8	576.6	558.3	524.0	512.8	478.5	424.5
97.5°	493.9	491.8	497.4	488.3	468.7	460.3	440.7	413.3	402.8	370.6	337.7
100°	425.2	424.5	426.6	421.7	410.5	400.0	383.2	361.5	351.7	325.1	295.6
102.5°	403.5	401.4	402.1	402.8	386.7	376.9	360.8	344.0	334.2	312.4	280.2
105°	383.9	382.5	381.1	381.1	362.9	353.1	342.6	331.4	323.0	299.1	268.3
107.5°	365.7	363.6	358.7	358.0	346.1	335.6	323.0	313.1	304.7	283.0	253.6

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	345.4	*344.7*	341.9	342.6	334.9	318.8	308.2	296.3	285.8	266.9	241.0
112.5°	334.9	*334.9*	332.8	336.3	306.8	290.7	279.5	269.0	262.0	243.8	224.2
115°	323.7	*318.1*	316.0	323.0	289.3	266.9	255.7	244.5	237.5	219.3	203.2
117.5°	299.8	*298.4*	299.1	304.7	294.9	270.4	252.2	238.2	231.2	217.9	203.2
120°	341.9	*340.5*	332.1	330.7	313.8	294.2	282.3	274.6	264.1	242.4	214.4
122.5°	357.3	*354.5*	341.2	345.4	323.0	313.1	308.2	305.4	295.6	266.9	224.2
125°	311.0	*306.8*	303.3	304.7	292.1	279.5	274.6	270.4	260.6	244.5	213.7
127.5°	249.4	*251.5*	248.7	241.0	238.9	220.0	213.7	208.8	199.7	186.3	181.4
130°	234.0	*232.6*	231.9	230.5	229.1	215.1	205.3	193.4	185.6	174.4	161.1
132.5°	208.1	*209.5*	211.6	223.5	234.7	222.8	197.6	179.3	174.4	176.5	170.9
135°	197.6	*198.3*	198.3	207.4	217.2	205.3	186.3	168.8	166.7	174.4	167.4
137.5°	202.5	*206.0*	205.3	203.2	197.6	189.2	184.9	175.1	169.5	164.6	152.7
140°	213.7	*217.9*	215.8	203.9	199.7	195.5	198.3	194.8	180.7	163.9	146.4
142.5°	212.3	*215.8*	214.4	213.0	220.7	210.9	197.6	184.2	173.0	163.9	152.7
145°	275.3	*273.9*	268.3	268.3	259.2	244.5	235.4	221.4	208.1	196.2	177.9
147.5°	254.3	*257.8*	259.2	252.9	248.7	238.9	237.5	229.8	225.6	215.1	196.2
150°	201.8	*204.6*	200.4	195.5	193.4	194.1	190.6	184.9	180.7	173.0	164.6
152.5°	139.4	*140.8*	139.4	135.2	133.8	131.7	132.4	128.2	125.4	120.5	112.8
155°	126.8	*127.5*	128.2	121.2	119.8	120.5	121.2	118.4	112.8	108.6	99.5
157.5°	99.5	*98.1*	98.1	96.7	97.4	95.3	95.3	94.6	92.5	89.7	86.9
160°	79.2	*79.9*	79.9	79.9	81.3	79.9	79.9	77.8	77.8	76.4	75.0
162.5°	67.3	*67.3*	67.3	67.3	66.6	66.6	68.0	67.3	67.3	68.0	69.4
165°	56.7	*57.4*	57.4	57.4	57.4	57.4	58.8	58.8	60.2	63.1	66.6
167.5°	53.2	*52.5*	52.5	53.2	53.2	54.6	54.6	57.4	62.3	67.3	67.3
170°	50.4	*50.4*	50.4	51.1	51.1	51.8	53.9	58.8	64.5	66.6	63.8
172.5°	52.5	*51.8*	51.8	52.5	52.5	54.6	57.4	61.6	63.8	63.8	60.9
175°	53.9	*53.2*	53.2	53.9	53.9	55.3	58.1	60.9	62.3	63.1	63.1
177.5°	52.5	*52.5*	52.5	52.5	52.5	53.2	53.2	55.3	56.7	58.1	59.5
180°	50.4	*50.4*	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7
2.5°	320.2	292.1	250.8	200.4	233.3	273.9	268.3	236.8	189.2	142.2	142.2
5°	177.2	187.7	198.3	173.7	155.5	154.1	149.9	134.5	132.4	109.3	103.0
7.5°	154.8	145.0	142.9	168.8	166.7	110.0	86.9	77.1	81.3	110.0	113.5
10°	185.6	181.4	168.1	140.1	117.0	106.5	105.8	107.2	98.1	79.2	74.3
12.5°	209.5	202.5	190.6	182.1	155.5	124.0	106.5	98.8	104.4	132.4	138.7
15°	232.6	222.8	202.5	179.3	152.7	129.6	111.4	95.3	95.3	91.1	89.0
17.5°	250.8	238.2	213.7	188.4	158.3	129.6	105.8	89.7	82.0	80.6	80.6
20°	273.9	262.0	235.4	204.6	166.7	131.0	105.1	89.7	80.6	77.1	76.4
22.5°	302.6	287.2	252.9	216.5	171.6	132.4	106.5	90.4	81.3	76.4	75.0
25°	329.3	311.7	271.1	233.3	182.8	135.9	107.9	92.5	82.7	77.1	76.4
27.5°	351.0	332.1	294.2	250.8	194.8	144.3	114.9	96.7	84.8	79.2	77.8
30°	375.5	358.0	318.1	269.0	206.0	154.8	124.7	104.4	91.1	83.4	82.7
32.5°	411.9	390.2	344.0	287.9	219.3	166.0	134.5	111.4	95.3	91.1	91.1
35°	477.8	455.4	394.4	318.8	231.9	177.2	144.3	119.1	101.6	91.8	91.1
37.5°	601.1	570.3	493.9	388.8	253.6	186.3	152.7	125.4	105.1	91.1	89.0
40°	657.8	605.3	524.0	425.9	285.1	196.9	159.7	130.3	105.8	93.2	91.8
42.5°	725.1	680.9	566.1	435.0	308.2	222.8	171.6	135.9	110.0	96.0	94.6
45°	789.5	746.8	650.1	514.2	360.1	261.3	192.7	147.1	117.0	100.2	97.4
47.5°	906.5	861.7	727.2	595.5	431.5	321.6	234.7	164.6	126.8	104.4	100.9
50°	1210.6	1146.8	988.5	788.8	552.0	408.4	300.5	201.1	140.1	106.5	102.3
52.5°	1602.9	1505.5	1333.9	1078.9	789.5	578.0	421.0	292.1	163.2	107.2	100.9
55°	2239.0	2119.2	1843.2	1470.5	1105.5	862.4	637.5	449.1	240.3	112.1	100.2
57.5°	2842.2	2753.2	2512.2	2012.0	1466.3	1095.7	838.6	631.9	327.2	123.3	105.1
60°	3285.6	3116.1	2834.5	2321.6	1771.0	1271.5	933.1	657.1	336.3	125.4	108.6
62.5°	3550.4	3341.0	2923.4	2366.5	1814.4	1307.9	971.0	604.6	271.8	122.6	113.5
63°	*3570.0*	*3366.9*	*2934.6*	*2351.1*	*1800.4*	*1298.1*	*965.4*	*592.0*	*264.1*	*121.9*	*114.9*
65°	3545.5	3369.0	2895.4	2270.5	1681.3	1211.3	898.8	531.7	214.4	119.8	116.3
67.5°	3301.7	3158.1	2690.1	2052.6	1497.1	1045.9	744.0	405.6	167.4	114.2	112.8
70°	2763.7	2599.1	2174.5	1696.8	1186.7	844.9	593.4	314.6	138.0	108.6	107.2
72.5°	2056.8	1988.2	1651.9	1291.1	912.8	651.5	445.6	238.9	122.6	104.4	103.0
75°	1663.1	1560.1	1310.0	1020.0	694.3	484.1	330.7	179.3	112.1	100.9	99.5
77.5°	1375.2	1306.5	1090.1	769.9	495.3	348.9	243.1	142.2	107.2	98.8	98.1
80°	1064.8	1022.1	850.5	569.6	354.5	259.9	192.7	130.3	105.1	98.1	97.4
82.5°	751.0	737.7	619.3	425.9	301.2	232.6	179.3	128.2	105.8	99.5	98.1
85°	622.1	593.4	521.2	404.9	285.8	222.8	173.0	126.1	105.8	98.8	98.1
87.5°	606.0	582.2	504.4	379.0	262.0	206.0	162.5	121.2	102.3	96.0	95.3
90°	547.8	524.0	451.9	338.4	246.6	193.4	152.0	114.9	98.1	93.2	91.8
92.5°	467.3	445.6	392.3	307.5	236.1	185.6	147.8	112.8	97.4	91.8	91.1
95°	405.6	387.4	344.0	283.0	217.9	173.0	140.1	108.6	94.6	89.7	89.0
97.5°	323.0	311.7	278.1	230.5	184.2	151.3	125.4	102.3	91.1	86.9	86.2
100°	284.4	274.6	248.0	208.8	170.9	142.9	121.2	100.2	88.3	84.8	84.1
102.5°	266.9	259.2	235.4	196.2	160.4	135.9	115.6	96.7	86.2	82.7	82.0
105°	253.6	246.6	224.9	187.0	151.3	126.8	108.6	92.5	82.7	79.9	79.2
107.5°	237.5	231.9	210.9	173.7	142.2	119.1	103.0	89.0	80.6	77.8	77.8

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

Scaled Data Report

REPORT NUMBER: P1046248
CATALOG NUMBER: FFX-CLB-70-730-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	224.2	220.0	198.3	166.0	135.9	114.2	99.5	87.6	79.9	77.1	77.1
112.5°	210.2	205.3	184.9	156.2	130.3	110.7	96.7	85.5	78.5	75.7	75.7
115°	194.8	189.9	170.2	145.0	123.3	105.1	92.5	82.0	75.7	73.6	73.6
117.5°	197.6	184.9	161.1	138.7	117.7	100.9	89.7	80.6	73.6	72.2	71.5
120°	200.4	184.2	166.7	145.7	121.2	98.8	87.6	78.5	72.9	70.8	70.8
122.5°	195.5	197.6	182.1	149.9	115.6	96.7	86.9	79.2	73.6	71.5	72.2
125°	191.3	196.2	177.9	141.5	111.4	96.0	86.9	81.3	76.4	74.3	74.3
127.5°	175.8	176.5	151.3	126.8	108.6	93.9	86.2	82.0	77.8	75.0	73.6
130°	154.8	153.4	141.5	123.3	102.3	90.4	83.4	81.3	77.1	72.2	71.5
132.5°	166.0	161.8	142.2	117.0	96.7	86.9	82.7	79.9	72.9	67.3	66.6
135°	157.6	153.4	133.1	109.3	93.9	88.3	86.2	79.2	68.7	64.5	63.8
137.5°	143.6	136.6	119.8	104.4	95.3	91.8	86.9	77.8	67.3	62.3	61.6
140°	138.0	131.0	117.7	107.2	96.7	85.5	77.1	68.7	61.6	57.4	56.7
142.5°	145.0	139.4	126.1	107.2	90.4	78.5	70.8	65.2	58.8	52.5	51.8
145°	168.8	158.3	140.1	120.5	103.0	89.0	77.1	65.2	53.9	46.9	46.2
147.5°	187.0	178.6	159.0	136.6	112.1	89.7	72.2	57.4	48.3	44.1	43.4
150°	155.5	150.6	135.9	117.7	99.5	79.2	62.3	51.1	45.5	44.1	44.1
152.5°	108.6	105.1	100.2	88.3	74.3	62.3	53.2	47.6	45.5	44.8	44.8
155°	96.0	93.9	87.6	77.1	67.3	58.1	51.1	46.9	46.2	45.5	45.5
157.5°	82.7	82.0	77.8	69.4	61.6	54.6	49.7	47.6	46.2	45.5	45.5
160°	74.3	72.2	68.0	62.3	57.4	53.2	50.4	49.0	47.6	46.9	46.9
162.5°	69.4	68.0	63.1	58.8	56.0	55.3	56.0	55.3	51.8	49.7	49.0
165°	65.9	65.2	60.2	57.4	56.0	59.5	63.8	62.3	56.0	52.5	52.5
167.5°	65.9	64.5	59.5	57.4	60.9	65.9	69.4	68.7	63.1	59.5	57.4
170°	62.3	60.9	59.5	60.2	65.2	67.3	68.0	69.4	70.1	73.6	75.0
172.5°	60.2	60.2	61.6	64.5	68.7	69.4	67.3	68.0	74.3	82.0	82.7
175°	63.1	63.1	65.9	70.8	72.9	74.3	71.5	72.2	79.2	86.9	87.6
177.5°	60.2	60.9	62.3	63.1	62.3	60.2	59.5	62.3	60.2	59.5	61.6
180°	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

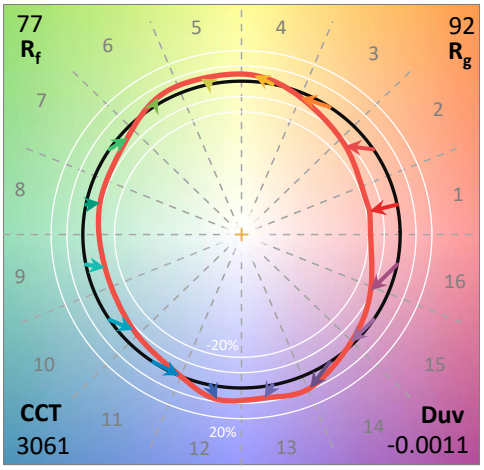
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

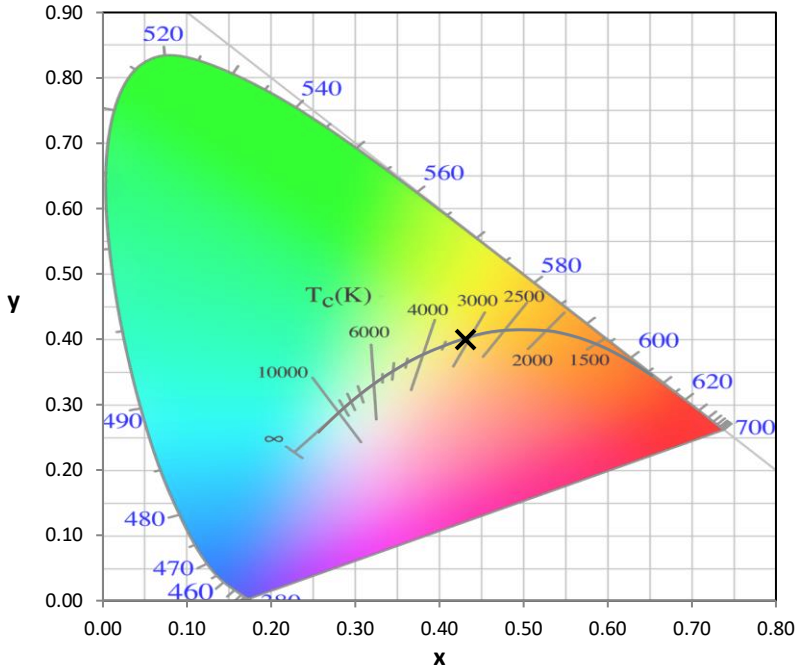
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

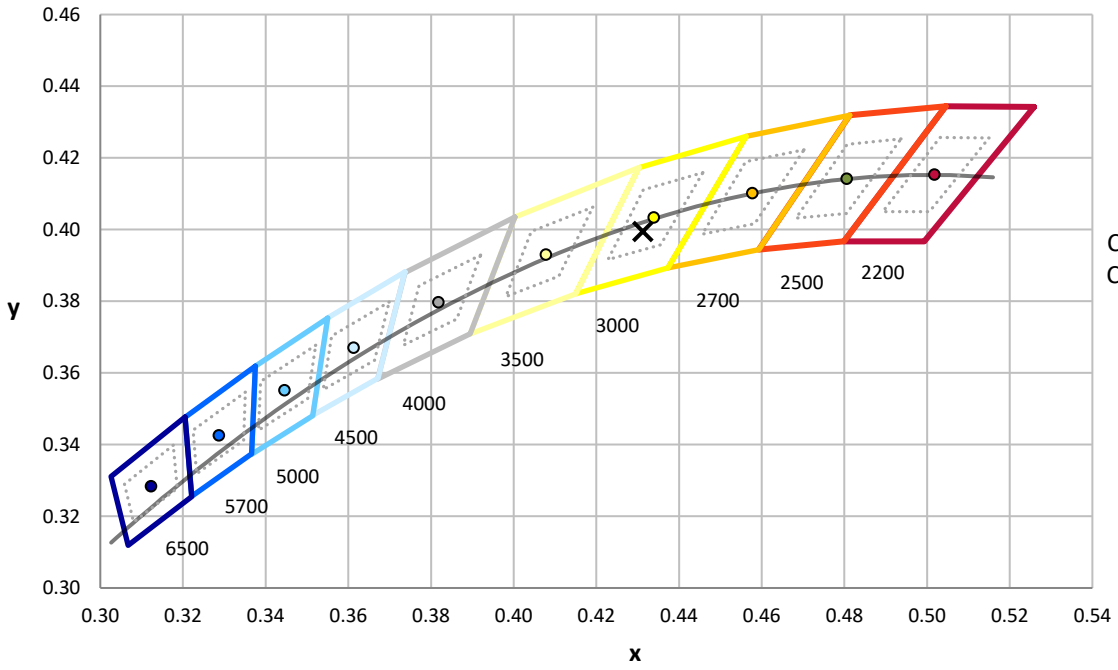
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

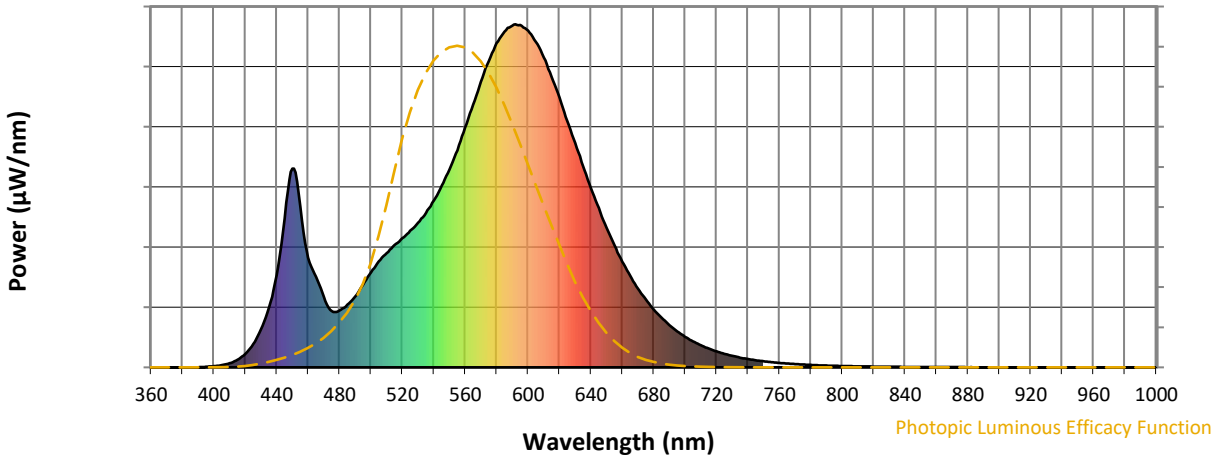


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

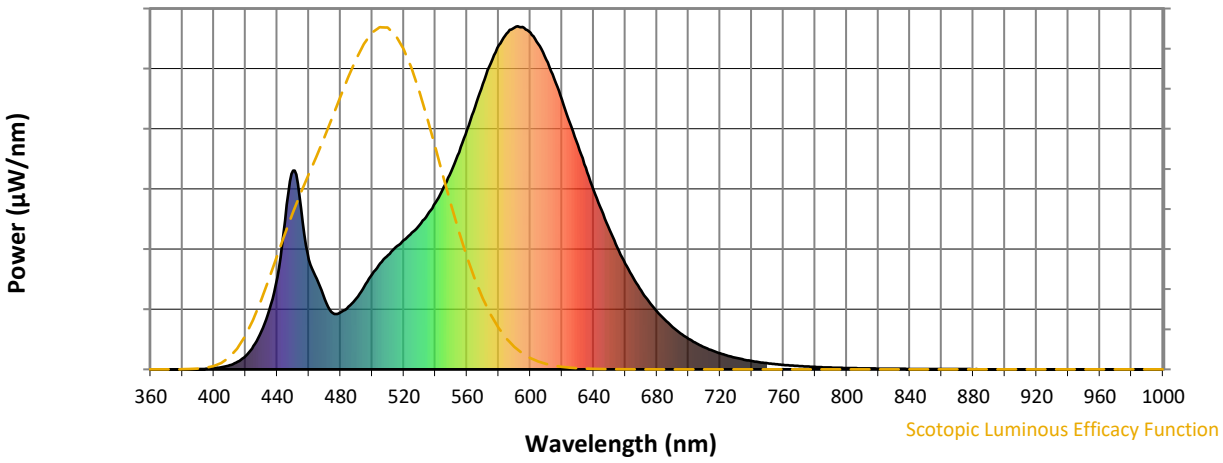


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

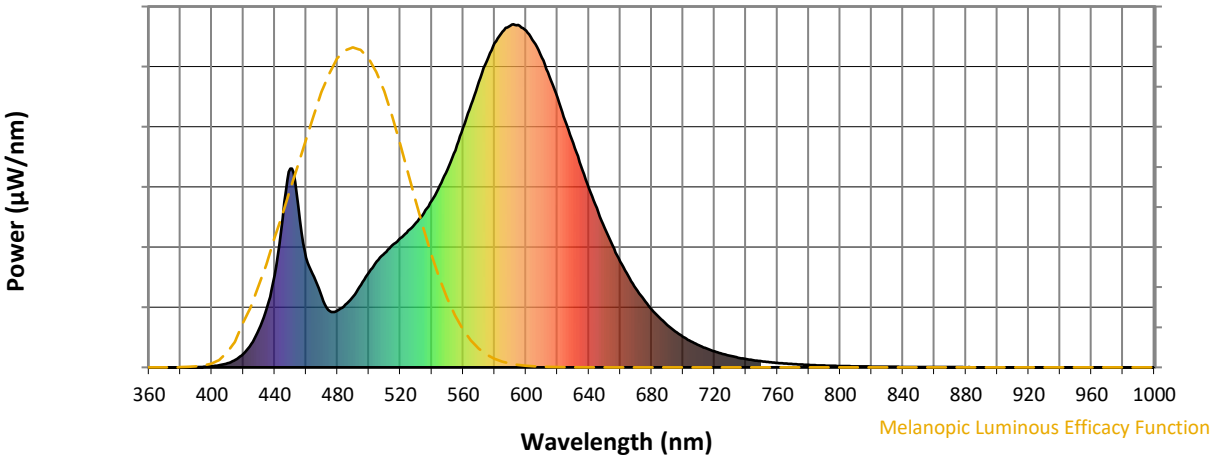


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

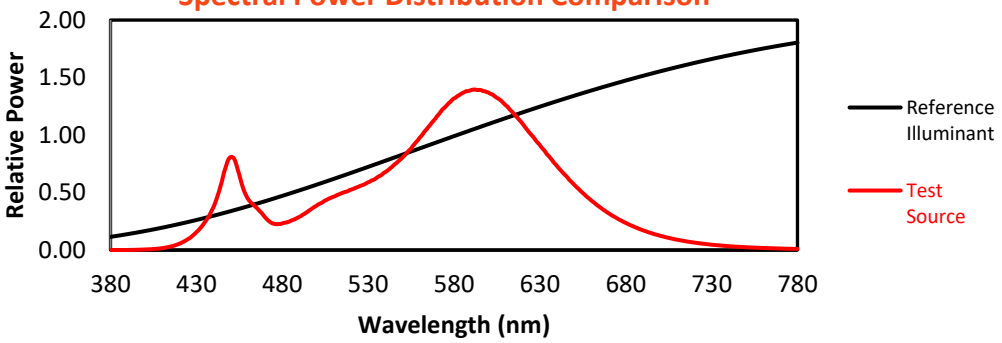
REPORT NUMBER: SP1-2501-332-4

TM-30-18

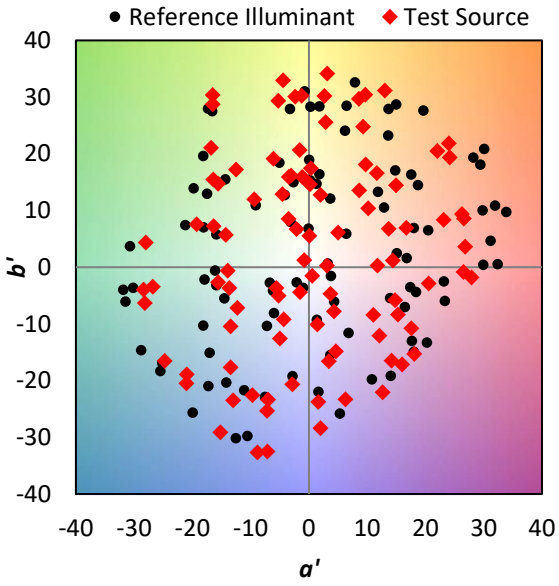
Summary

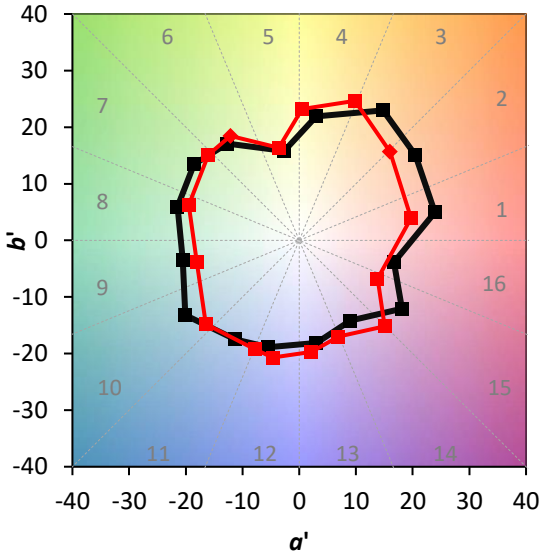
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

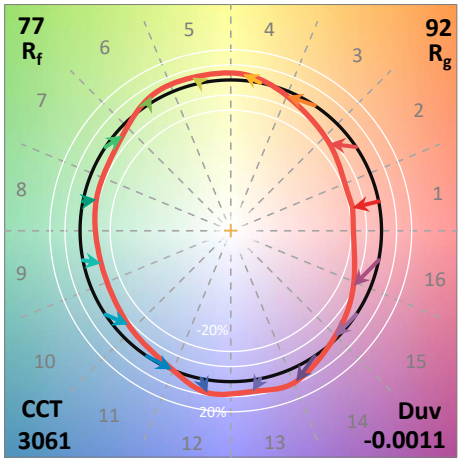
Spectral Power Distribution Comparison

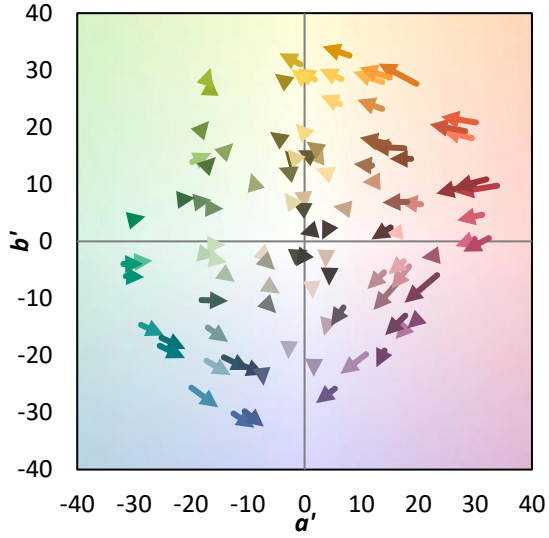


Color Vector Graphics







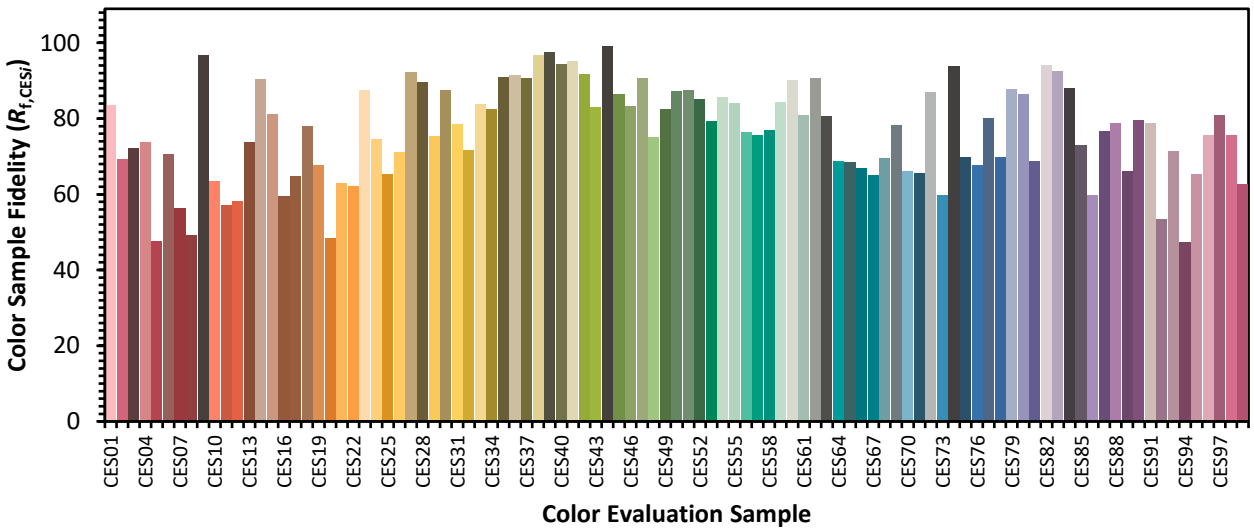


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

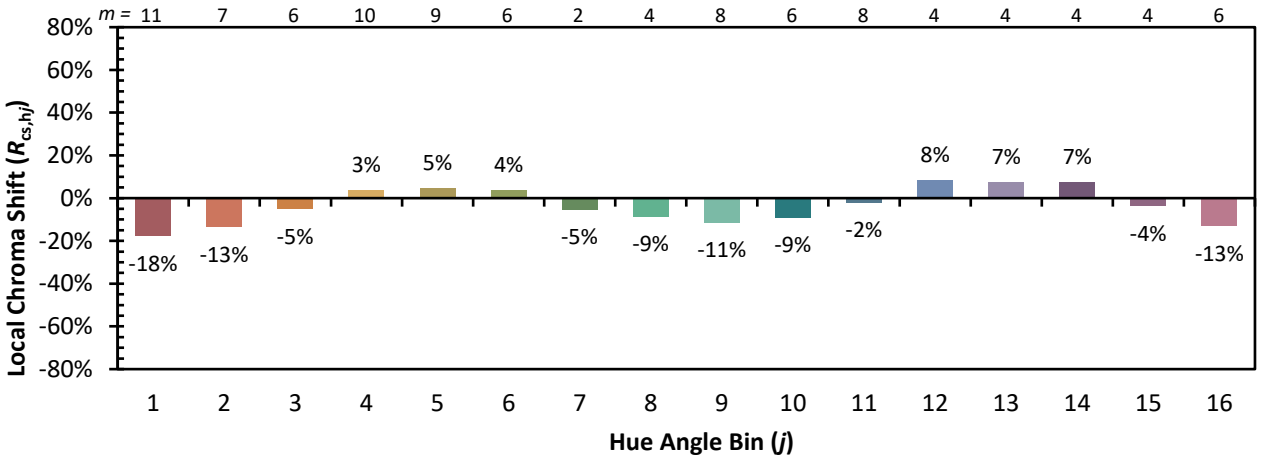
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

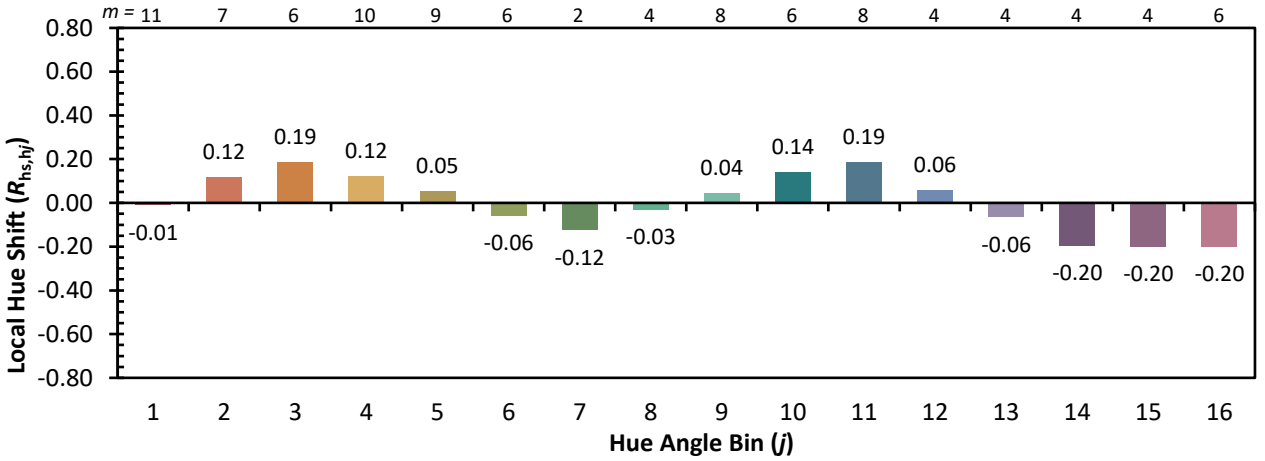


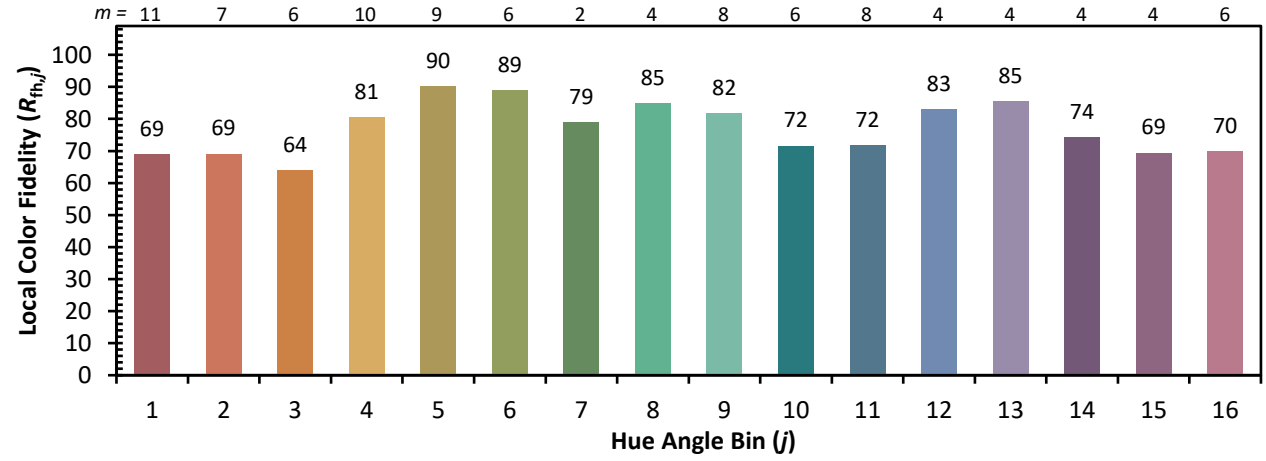
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



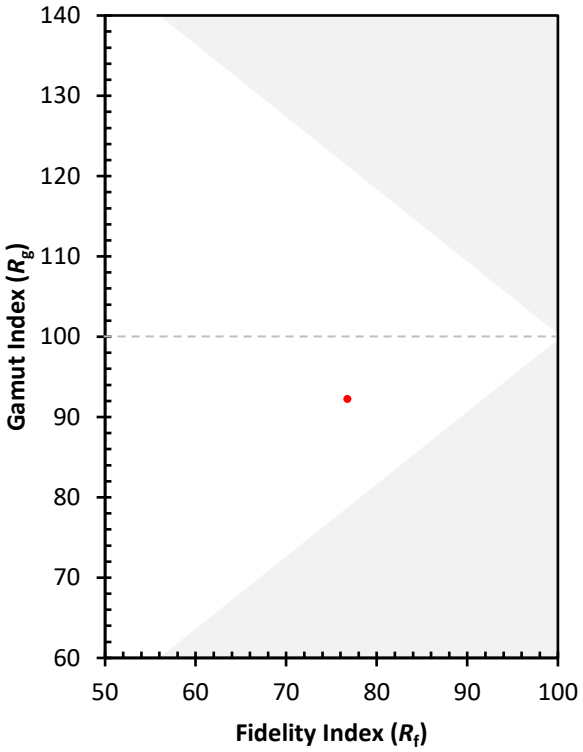


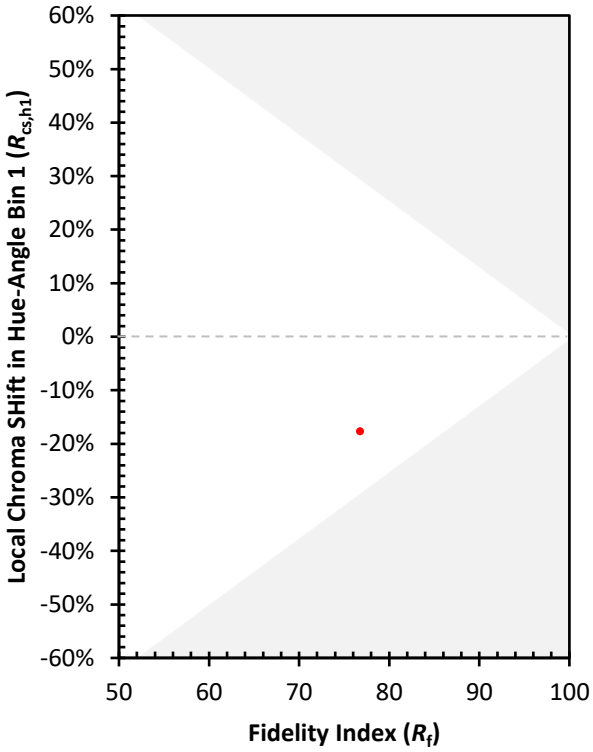


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Measure Comparisons





(END OF REPORT)