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: P1046429

Luminaire Tested: **FFX-CLB-60-730-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:	P1046429
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-U-FR-T4-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND UPLIGHT REFLECTOR
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9130.2 lumens
Efficiency:	N/A
Efficacy:	150.7 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

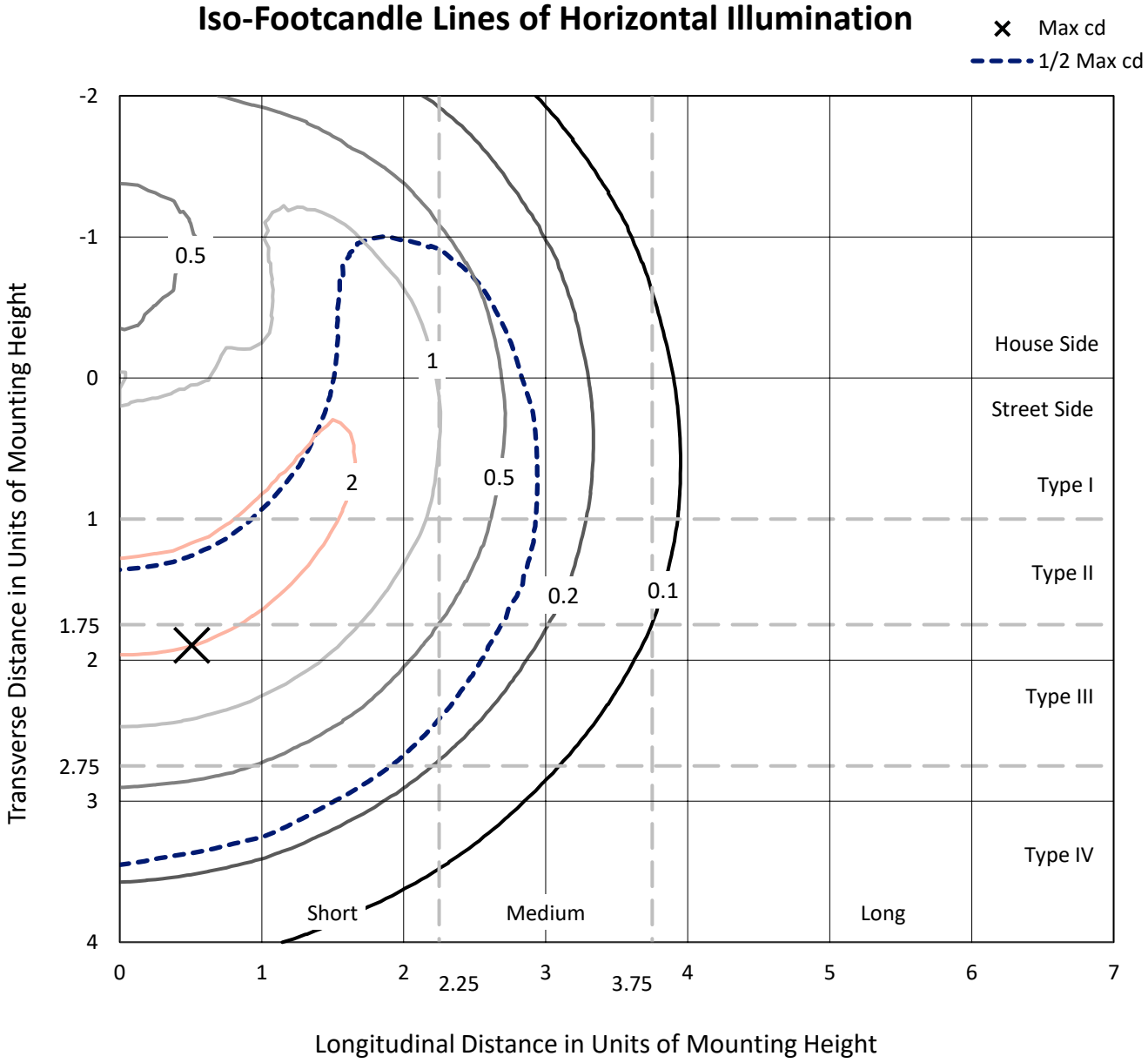


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Iso-Footcandle Lines of Horizontal Illumination



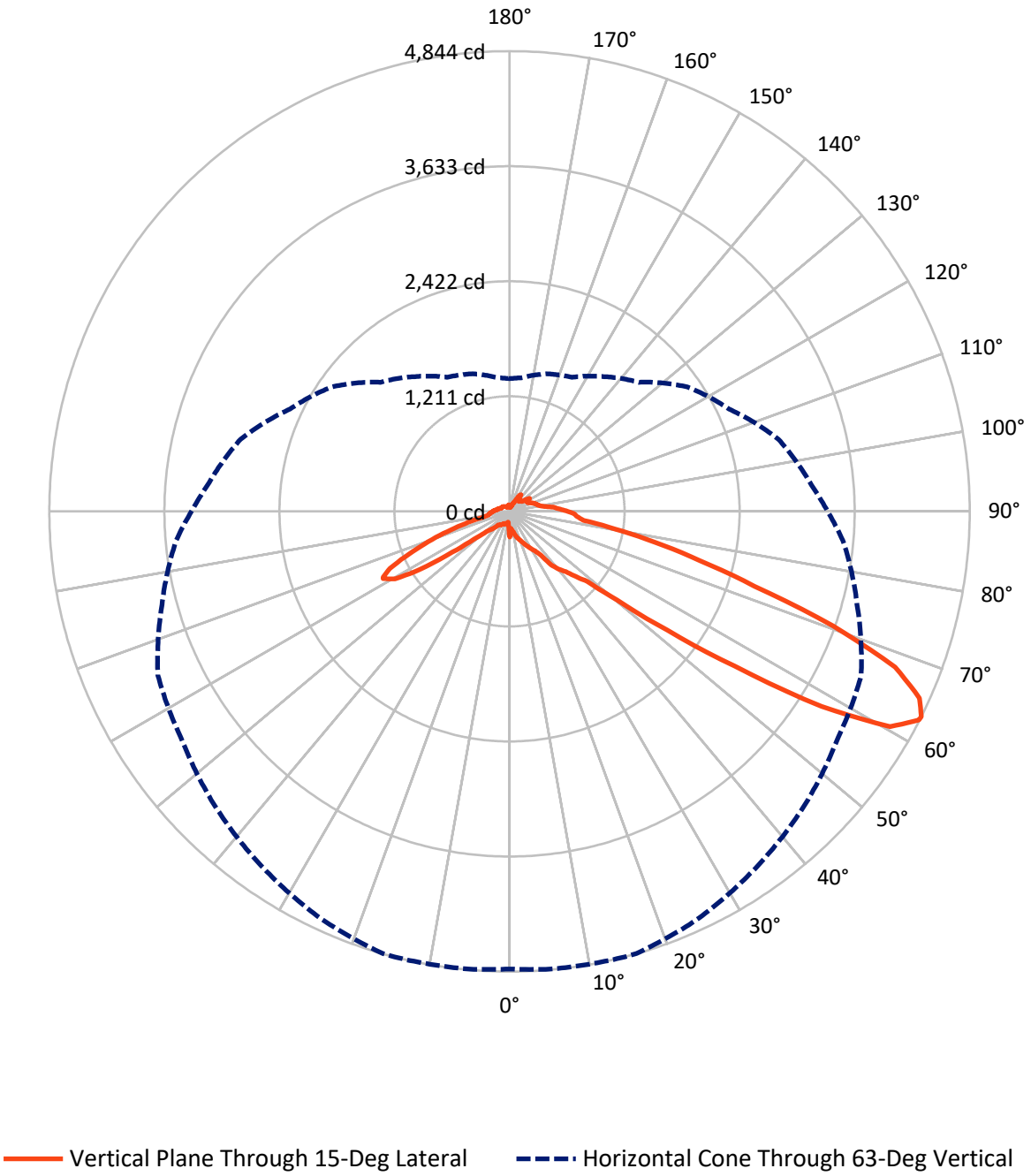
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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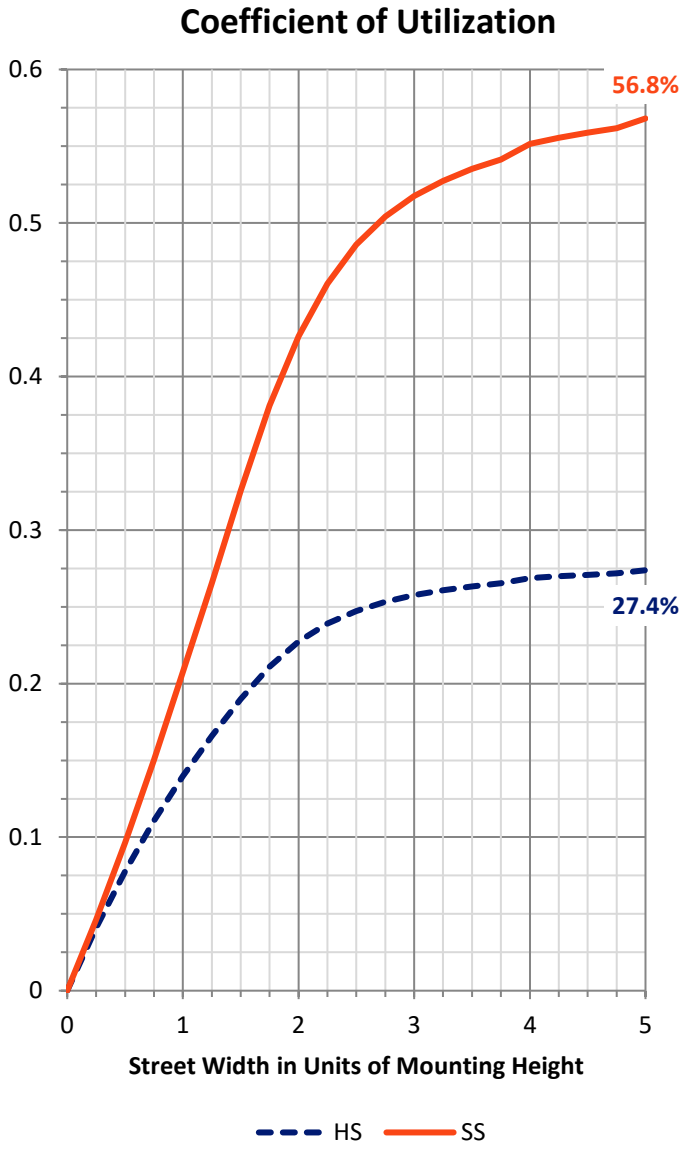
REPORT NUMBER: P1046429
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2582.2	420.7	3002.9
	% Fixture	28.3	4.6	32.9
Street Side	Lumens	5406.7	720.6	6127.3
	% Fixture	59.2	7.9	67.1
Total	Lumens	7988.8	1141.4	9130.2
	% Fixture	87.5	12.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.2
10°-20°	59.8	0.7
20°-30°	129.5	1.4
30°-40°	266.3	2.9
40°-50°	549.1	6.0
50°-60°	1806.2	19.8
60°-70°	2990.5	32.8
70°-80°	1568.5	17.2
80°-90°	602.3	6.6
90°-100°	363.8	4.0
100°-110°	229.2	2.5
110°-120°	169.7	1.9
120°-130°	144.5	1.6
130°-140°	94.2	1.0
140°-150°	81.9	0.9
150°-160°	37.5	0.4
160°-170°	15.3	0.2
170°-180°	5.3	0.1
0°-90°	7988.8	87.5
0°-180°	9130.2	100.0



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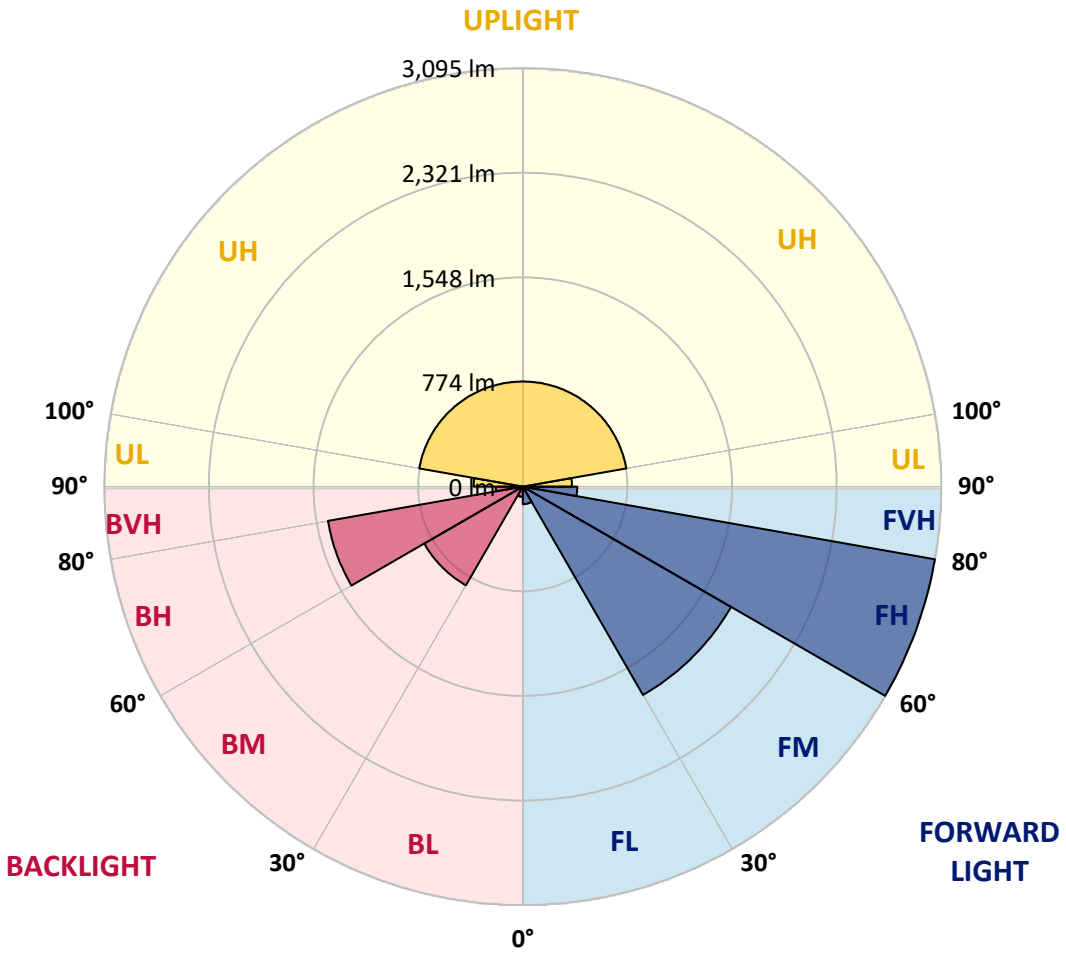
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	129.9	1.4			
FM	(30°-60°)	1779.1	19.5			
FH	(60°-80°)	3095.3	33.9			G2/5000
FVH	(80°-90°)	402.4	4.4			G3/500
BL	(0°-30°)	76.0	0.8	B0/110		
BM	(30°-60°)	842.5	9.2	B1/1000		
BH	(60°-80°)	1463.8	16.0	B3/2500		G3/2500
BVH	(80°-90°)	199.9	2.2			G2/225
UL	(90°-100°)	363.8	4.0		U3/500	
UH	(100°-180°)	777.5	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°	269.6	269.6	269.6	269.6	269.6	269.6	269.6	269.6	269.6	269.6	269.6
2.5°	166.0	166.0	190.0	194.1	216.9	224.1	211.5	201.9	225.3	273.2	281.0
5°	180.4	184.0	183.4	182.8	184.0	205.5	227.7	217.5	178.6	142.0	142.0
7.5°	204.3	205.5	204.9	204.3	196.5	184.0	178.6	194.7	204.9	174.4	146.2
10°	221.1	219.9	219.3	218.7	219.9	224.7	222.9	203.1	183.4	173.2	167.2
12.5°	252.9	253.5	251.7	250.5	249.3	247.5	245.7	249.9	239.1	209.7	190.0
15°	276.8	276.8	281.6	280.4	280.4	274.4	266.1	254.1	239.7	231.9	214.5
17.5°	302.0	302.6	302.0	302.0	299.6	291.8	282.8	272.0	257.1	243.9	228.9
20°	326.6	326.6	326.0	325.4	324.8	318.8	307.4	293.0	279.2	266.7	251.1
22.5°	352.3	354.1	355.3	354.1	352.3	346.3	333.8	320.0	306.8	288.8	272.0
25°	388.9	389.5	388.3	387.1	384.7	376.9	367.3	352.9	336.8	317.6	295.4
27.5°	423.6	424.8	424.2	424.2	419.5	412.9	403.3	384.1	366.1	344.0	321.2
30°	463.2	462.0	459.0	459.6	456.6	451.2	440.4	423.6	400.9	374.5	349.3
32.5°	502.1	502.1	498.0	496.2	496.2	489.0	477.0	459.6	438.0	409.9	385.3
35°	544.7	555.5	566.3	570.5	570.5	560.3	545.9	523.1	504.5	475.2	444.6
37.5°	749.0	742.4	716.1	719.1	710.1	705.9	696.3	677.1	651.4	606.4	559.7
40°	820.9	819.7	800.0	797.6	793.4	779.6	769.4	756.2	747.2	693.3	623.2
42.5°	833.5	840.1	866.5	873.1	907.2	886.2	845.5	771.2	752.6	711.9	682.5
45°	974.9	977.3	977.3	978.5	969.5	954.0	948.6	901.2	864.1	805.4	750.2
47.5°	1115.7	1121.1	1100.2	1116.9	1140.3	1108.6	1094.2	1055.2	1004.3	958.8	868.3
50°	1442.9	1463.9	1468.1	1468.7	1478.9	1476.5	1454.9	1401.0	1350.0	1245.8	1145.1
52.5°	2048.7	2069.1	2078.1	2056.5	2024.8	2010.4	2015.8	1993.6	1875.6	1763.5	1559.2
55°	2839.7	2875.1	2875.1	2897.8	2888.2	2819.9	2815.7	2670.7	2480.2	2355.5	2177.6
57.5°	3897.9	3844.6	3874.6	3906.9	3841.0	3769.1	3661.8	3510.2	3231.6	3016.5	2758.8
60°	4682.3	4660.7	4601.4	4564.9	4400.1	4257.5	4173.0	4062.1	3850.6	3567.8	3223.2
62.5°	4826.1	4841.7	4837.5	4837.5	4705.7	4534.9	4364.1	4201.7	4070.5	3779.3	3506.6
63°	4817.1	4836.3	4844.1	4841.7	4723.1	4554.7	4385.1	4205.9	4084.3	3787.1	3523.4
65°	4740.4	4756.6	4742.8	4738.0	4663.1	4549.3	4358.7	4181.4	4070.5	3752.3	3525.8
67.5°	4432.4	4428.8	4377.3	4400.7	4353.3	4289.8	4111.8	3936.9	3860.2	3512.6	3304.1
70°	3579.7	3554.6	3610.9	3644.5	3592.9	3567.8	3356.2	3241.2	3142.3	2878.1	2709.7
72.5°	2736.6	2684.5	2694.1	2724.7	2659.9	2642.6	2552.1	2457.4	2410.1	2245.3	2058.3
75°	2145.8	2117.6	2065.5	2073.9	2020.6	2003.2	1993.6	1966.0	1947.5	1810.2	1625.1
77.5°	1604.7	1603.5	1559.8	1553.2	1514.8	1543.6	1532.2	1573.6	1564.6	1455.5	1314.7
80°	1122.9	1116.3	1127.7	1123.5	1114.5	1131.3	1113.4	1136.1	1136.1	1064.8	1005.5
82.5°	732.8	746.0	782.0	790.4	803.6	843.1	779.6	746.0	737.0	729.3	700.5
85°	727.5	731.0	715.5	717.3	711.3	696.3	707.7	713.1	704.1	660.9	597.4
87.5°	685.5	690.3	677.7	681.3	659.1	663.9	671.1	675.3	671.1	632.8	580.0
90°	577.6	583.0	594.4	594.4	596.2	597.4	586.0	592.6	588.4	551.9	513.5
92.5°	512.3	517.1	517.7	518.3	513.5	529.1	510.5	499.2	496.2	466.8	439.2
95°	468.6	463.2	462.0	463.2	460.8	460.2	448.2	439.8	436.2	412.9	385.9
97.5°	366.7	369.7	368.5	371.5	365.5	364.9	354.7	344.0	340.4	321.2	303.2
100°	321.8	321.2	322.4	323.0	319.4	315.2	308.0	300.2	296.0	281.6	264.3
102.5°	302.0	301.4	303.8	304.4	301.4	298.4	292.4	287.6	284.0	270.8	251.7
105°	289.4	287.6	290.6	290.6	284.0	282.2	278.0	277.4	275.0	259.5	240.9
107.5°	272.0	269.0	272.6	272.0	269.6	267.9	264.3	261.9	260.1	246.9	225.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	16°	25°	35°	45°	55°	65°	75°	85°
110°	255.9	251.7	*253.5*	254.7	256.5	255.3	252.3	247.5	242.7	231.9	214.5
112.5°	225.9	228.3	*227.7*	227.7	229.5	230.1	224.7	221.7	218.7	210.3	198.9
115°	214.5	214.5	*214.5*	214.5	209.7	207.9	202.5	198.9	198.3	188.2	181.0
117.5°	205.5	206.7	*209.7*	211.5	217.5	213.9	201.9	194.1	191.2	187.0	179.2
120°	242.1	237.9	*233.7*	233.1	233.7	231.3	228.9	223.5	216.3	204.9	183.4
122.5°	259.5	248.7	*250.5*	249.9	245.7	247.5	248.1	248.7	243.9	225.9	192.3
125°	217.5	214.5	*216.3*	218.1	218.7	218.1	216.9	222.3	215.7	209.7	184.6
127.5°	173.8	172.6	*169.0*	168.4	167.2	167.8	167.8	169.6	163.6	157.6	156.4
130°	165.4	163.0	*163.6*	164.2	163.6	160.0	157.6	154.6	154.0	148.0	139.6
132.5°	149.8	151.0	*161.2*	162.4	169.6	165.4	152.8	144.4	145.6	148.6	145.6
135°	140.2	139.6	*147.4*	148.0	158.8	155.8	145.6	136.0	136.0	143.2	140.2
137.5°	143.2	144.4	*145.0*	145.6	145.0	144.4	143.8	139.6	136.6	136.0	128.8
140°	154.0	153.4	*147.4*	148.0	147.4	147.4	151.0	154.0	143.8	134.8	122.8
142.5°	161.2	163.0	*160.6*	163.6	169.0	164.2	158.2	150.4	144.4	138.4	131.2
145°	218.7	214.5	*212.7*	211.5	207.9	197.7	191.8	184.0	176.8	167.2	155.2
147.5°	198.3	199.5	*195.9*	197.1	192.3	188.8	187.6	188.2	185.8	180.4	167.8
150°	157.6	158.8	*155.2*	153.4	151.6	151.6	151.6	152.8	149.8	146.2	140.2
152.5°	110.3	109.1	*107.9*	107.3	106.1	104.9	104.9	105.5	102.5	101.3	96.5
155°	101.3	100.7	*95.9*	94.7	95.9	97.1	97.7	95.9	93.5	91.1	84.5
157.5°	79.1	77.3	*76.7*	77.9	77.9	77.3	76.1	77.3	74.9	74.3	73.1
160°	64.7	64.1	*64.7*	64.7	65.3	65.3	64.7	64.7	63.5	64.1	64.1
162.5°	55.1	55.1	*55.1*	54.5	55.7	56.3	55.7	55.7	56.3	58.1	59.3
165°	47.3	47.3	*47.9*	47.9	48.5	48.5	49.1	49.7	50.9	55.1	58.7
167.5°	44.3	44.3	*44.9*	44.9	45.5	46.1	47.3	49.7	53.3	58.1	59.9
170°	43.7	43.7	*43.7*	43.7	44.3	44.9	47.3	50.9	55.1	58.1	56.3
172.5°	45.5	45.5	*46.1*	46.1	46.1	48.5	50.3	53.3	55.7	56.3	54.5
175°	47.3	46.7	*47.3*	47.3	47.9	49.7	52.1	53.3	54.5	55.1	55.7
177.5°	46.1	46.1	*46.1*	46.7	46.7	47.3	48.5	49.1	50.3	51.5	53.3
180°	44.9	44.9	*44.9*	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	269.6	269.6	269.6	269.6	269.6	269.6	269.6	269.6	269.6	269.6	269.6
2.5°	281.0	273.2	212.7	182.2	207.9	258.3	263.1	227.7	176.8	122.8	112.1
5°	149.8	158.2	176.8	176.2	164.2	153.4	140.2	131.8	145.6	139.6	143.2
7.5°	135.4	127.6	130.6	152.8	149.2	113.3	102.5	100.1	112.1	139.6	136.6
10°	164.8	162.4	153.4	135.4	129.4	134.2	138.4	135.4	124.6	108.5	106.1
12.5°	186.4	183.4	184.6	195.9	182.2	151.0	133.6	128.2	134.2	158.2	163.0
15°	207.3	201.9	194.1	178.0	164.8	156.4	146.2	135.4	139.0	132.4	130.0
17.5°	221.7	213.3	197.1	185.2	172.0	161.2	152.2	140.8	133.0	131.2	131.8
20°	240.9	231.9	214.5	200.7	184.6	170.2	154.6	142.6	134.8	131.8	131.8
22.5°	263.1	252.3	232.5	213.3	195.3	176.8	158.2	145.0	137.8	134.8	133.6
25°	286.4	275.6	251.1	230.7	207.9	187.6	168.4	151.6	143.8	140.2	137.2
27.5°	310.4	297.2	272.6	247.5	222.9	198.9	178.6	161.2	150.4	144.4	145.0
30°	336.8	326.0	298.4	269.6	239.1	210.9	191.2	171.4	158.2	151.6	152.2
32.5°	372.1	354.7	321.8	288.8	258.9	227.7	202.5	179.8	165.4	161.2	161.8
35°	430.8	408.7	368.5	323.6	283.4	246.9	215.1	188.2	171.4	164.8	164.2
37.5°	536.9	506.9	460.8	408.1	349.9	290.6	239.1	197.7	176.8	166.0	164.2
40°	588.4	547.7	489.6	444.0	404.5	353.5	294.8	232.5	185.8	172.0	170.2
42.5°	657.3	623.2	547.7	459.0	406.3	363.7	322.4	282.2	224.1	188.2	181.6
45°	723.9	693.3	634.0	547.1	468.6	402.1	340.4	296.6	260.7	224.1	221.1
47.5°	835.9	803.6	704.7	627.4	544.7	469.2	404.5	332.6	285.8	260.1	260.1
50°	1116.9	1057.6	960.0	841.3	708.3	586.0	494.4	406.3	349.9	311.0	309.2
52.5°	1509.4	1425.5	1281.7	1150.5	993.5	852.1	709.5	556.1	474.0	417.7	417.1
55°	2076.3	1990.6	1798.3	1546.0	1353.6	1184.7	1036.7	868.3	738.8	647.8	640.6
57.5°	2680.9	2609.0	2413.1	2099.7	1796.5	1497.5	1318.3	1184.1	1121.7	1058.2	1045.0
60°	3072.8	2949.4	2770.8	2471.8	2178.2	1797.1	1574.7	1420.8	1399.8	1386.0	1368.6
62.5°	3319.7	3174.1	2908.6	2550.3	2280.6	1919.9	1721.0	1556.8	1507.6	1433.9	1413.0
63°	*3347.8*	*3189.6*	*2930.8*	*2548.5*	*2283.6*	*1921.7*	*1731.7*	*1556.8*	*1499.2*	*1410.6*	*1396.8*
65°	3334.7	3187.9	2929.6	2511.3	2214.1	1886.3	1700.6	1485.5	1393.8	1276.3	1253.0
67.5°	3133.3	2976.9	2733.6	2322.6	2054.1	1719.8	1515.4	1287.1	1148.1	1033.1	1006.1
70°	2550.9	2453.8	2239.9	1884.5	1680.8	1420.2	1241.0	1061.8	911.4	790.4	759.8
72.5°	1943.9	1842.0	1681.4	1450.7	1300.3	1121.1	951.6	813.7	689.7	609.4	611.8
75°	1542.4	1445.3	1312.9	1161.3	1038.4	879.1	711.3	574.7	486.6	438.6	434.4
77.5°	1242.2	1175.1	1059.4	919.8	813.7	647.2	498.0	378.7	313.4	285.8	278.0
80°	957.6	910.8	824.5	701.7	591.4	454.8	339.2	267.9	233.1	209.7	205.5
82.5°	681.3	653.1	581.2	495.6	420.7	349.3	297.2	250.5	214.5	194.7	188.8
85°	568.7	542.3	496.8	443.4	395.5	343.4	288.2	238.5	204.9	189.4	181.6
87.5°	551.9	527.3	483.6	426.6	374.5	318.2	262.5	215.7	191.8	176.8	172.0
90°	494.4	475.8	437.4	385.3	333.2	275.6	227.1	194.1	175.6	163.6	158.2
92.5°	426.0	409.9	378.1	334.4	290.6	249.3	212.1	184.6	166.0	154.0	149.8
95°	370.3	360.1	333.8	296.6	264.9	230.7	198.9	172.6	153.4	142.6	138.4
97.5°	295.4	283.4	264.3	238.5	214.5	190.6	167.2	149.2	135.4	128.2	124.6
100°	257.1	249.3	231.9	211.5	191.2	170.2	152.2	138.4	129.4	123.4	120.4
102.5°	242.1	236.7	220.5	200.1	181.0	160.6	142.6	130.0	123.4	118.0	115.6
105°	228.3	224.1	211.5	192.9	174.4	152.2	131.8	121.0	115.1	111.5	109.7
107.5°	213.9	209.1	197.1	179.2	163.0	143.8	125.8	112.7	104.9	100.7	100.1

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

Scaled Data Report

REPORT NUMBER: P1046429
CATALOG NUMBER: FFX-CLB-60-730-U-FR-T4-UPLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	201.9	198.3	185.2	170.8	155.2	137.2	121.6	107.9	98.9	94.1	93.5
112.5°	189.4	185.2	172.0	158.2	145.0	129.4	115.6	103.7	95.3	90.5	89.9
115°	172.6	169.0	159.4	146.2	135.4	120.4	109.1	98.3	91.7	86.9	86.3
117.5°	174.4	164.2	151.0	139.0	129.4	118.6	108.5	100.1	89.9	84.5	84.5
120°	176.8	167.2	154.0	143.8	138.4	130.0	114.5	102.5	88.7	83.3	82.7
122.5°	174.4	175.6	168.4	158.2	147.4	133.0	113.9	100.7	86.9	82.7	83.3
125°	169.0	174.4	164.2	150.4	136.0	122.2	106.1	94.1	85.7	82.7	82.1
127.5°	152.8	151.6	138.4	128.2	118.0	106.7	96.5	89.3	83.3	79.7	77.9
130°	134.8	134.2	128.8	120.4	110.3	100.1	91.1	86.3	80.3	75.5	74.3
132.5°	142.0	140.2	128.8	115.1	103.7	95.3	89.3	83.9	75.5	70.1	69.5
135°	134.2	133.0	121.6	107.9	97.7	93.5	89.3	81.5	71.3	67.1	66.5
137.5°	122.8	118.0	108.5	100.1	95.3	94.1	88.7	79.7	70.1	65.3	64.7
140°	116.8	113.3	106.1	100.7	95.3	88.7	80.9	72.5	65.9	62.3	61.7
142.5°	124.0	122.8	112.1	102.5	94.1	86.3	77.9	72.5	65.3	60.5	59.9
145°	146.8	140.8	127.6	114.5	107.3	97.1	86.3	74.9	61.7	54.5	52.7
147.5°	160.6	155.2	142.0	127.6	112.1	95.9	79.1	64.7	54.5	49.1	47.9
150°	133.0	130.6	122.2	109.1	95.9	80.9	67.1	56.9	50.3	46.7	46.7
152.5°	93.5	92.9	89.3	81.5	73.1	64.7	57.5	51.5	47.9	45.5	45.5
155°	82.7	81.5	79.1	71.9	65.9	58.7	53.3	49.7	47.3	45.5	45.5
157.5°	71.3	70.1	69.5	64.1	59.3	54.5	50.3	47.3	45.5	44.3	43.7
160°	63.5	61.7	59.9	56.9	53.9	51.5	49.7	47.3	45.5	44.3	44.3
162.5°	59.3	58.1	55.1	52.7	51.5	51.5	52.1	50.9	47.3	45.5	44.9
165°	59.3	57.5	53.3	50.9	50.9	53.9	56.9	54.5	51.5	47.9	47.3
167.5°	59.9	58.7	54.5	52.7	54.5	58.1	61.1	60.5	56.3	53.3	53.3
170°	55.7	55.1	55.7	57.5	59.3	59.9	61.1	60.5	61.7	65.9	65.9
172.5°	53.9	54.5	57.5	60.5	64.1	64.1	61.1	60.5	65.9	71.9	73.1
175°	56.3	57.5	60.5	64.1	67.1	67.1	64.1	64.7	70.1	75.5	76.7
177.5°	53.9	54.5	55.7	55.1	56.3	53.3	54.5	53.3	55.1	55.1	55.1
180°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9

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

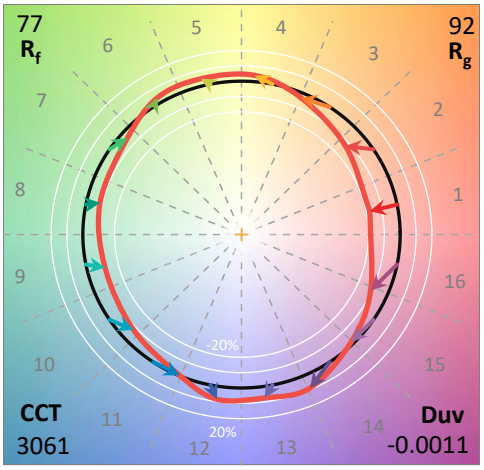
Test Information

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

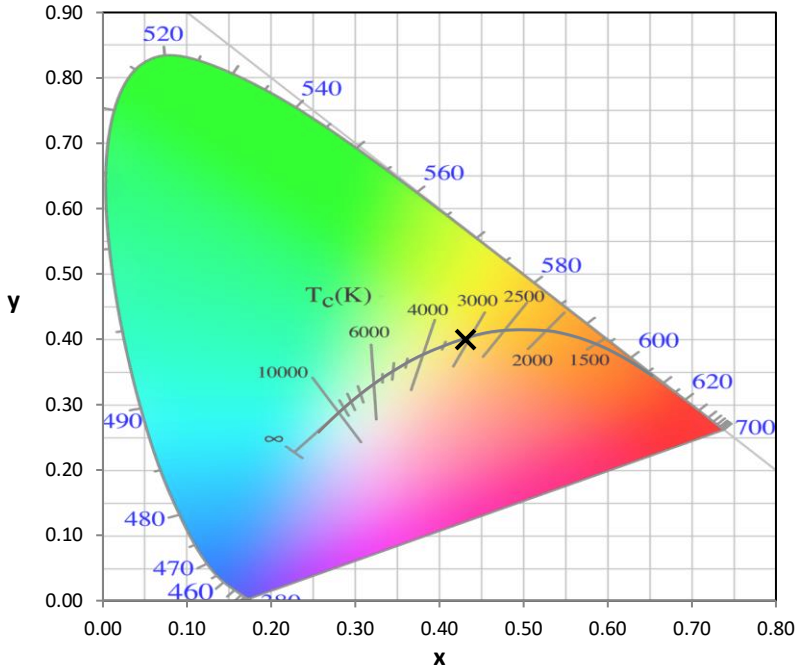
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

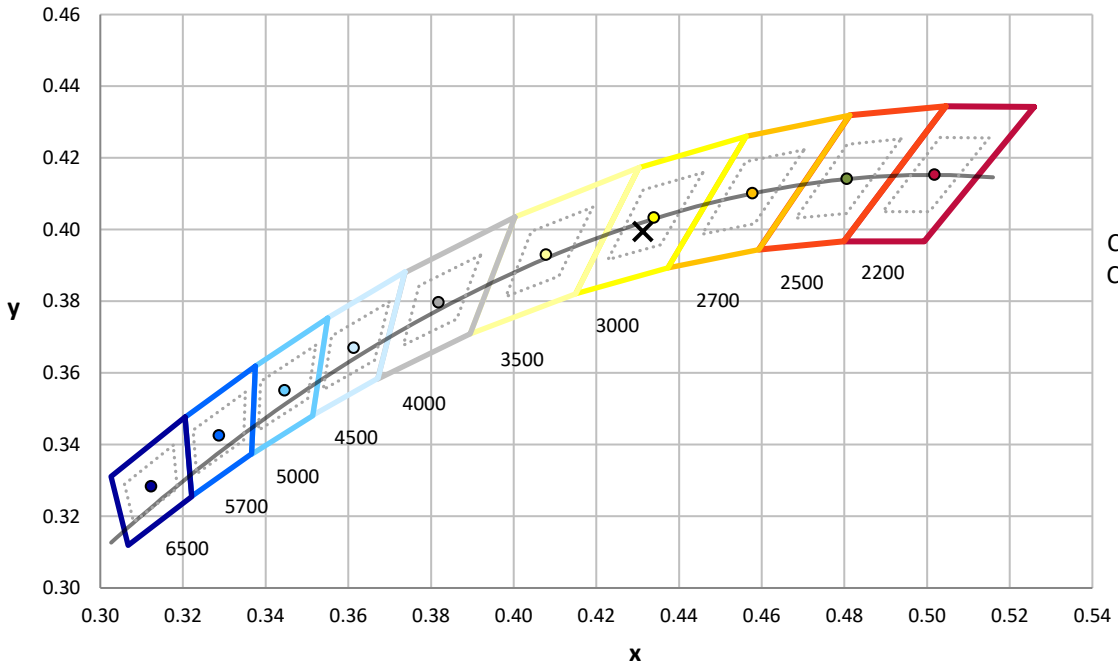
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

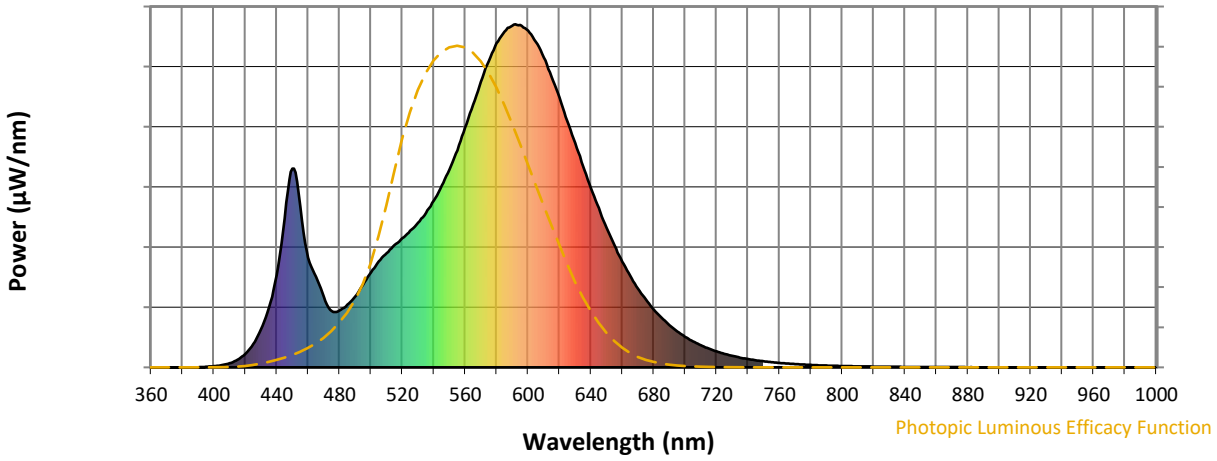


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

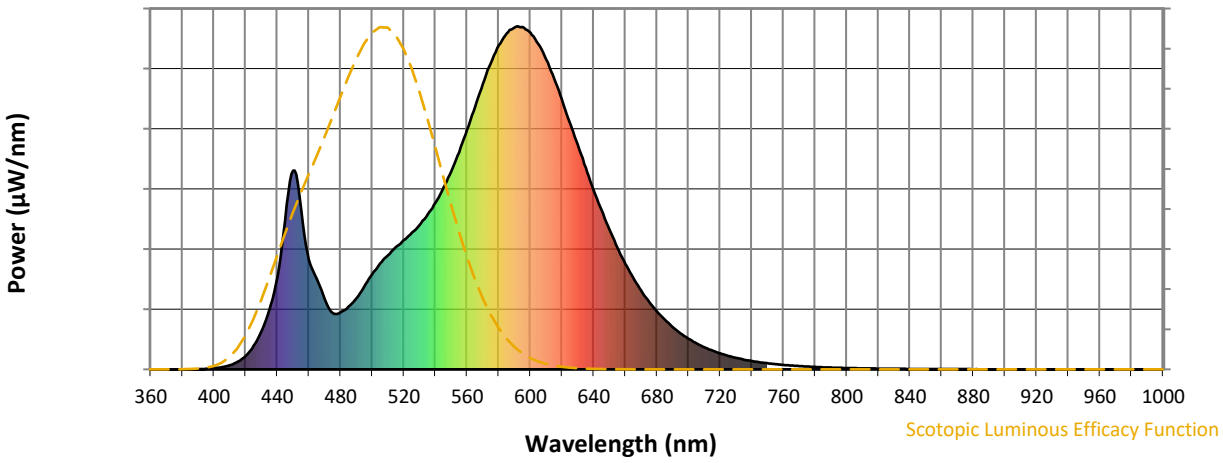


Photopic Lumens: NR

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

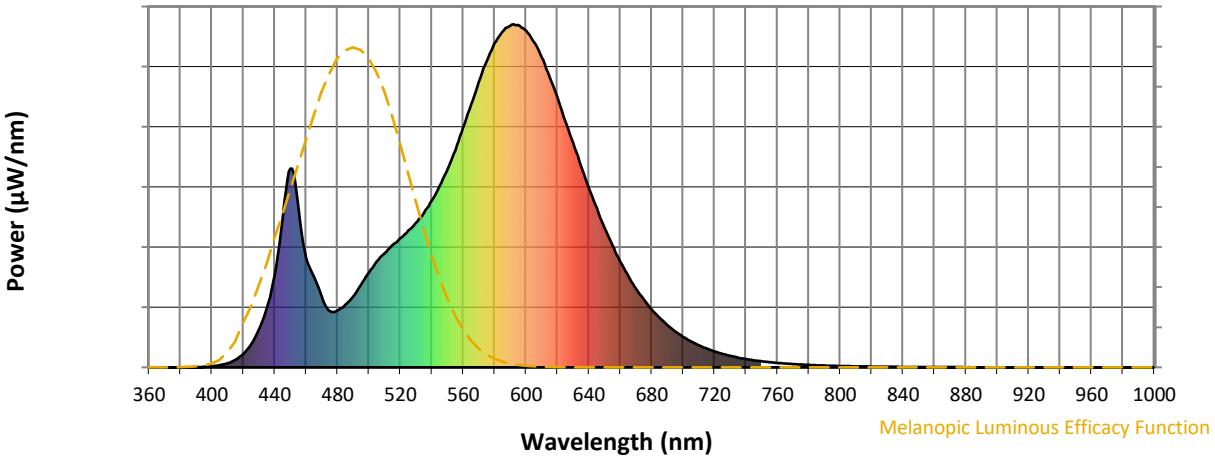


Scotopic Lumens: NR **S/P: 1.29**

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			

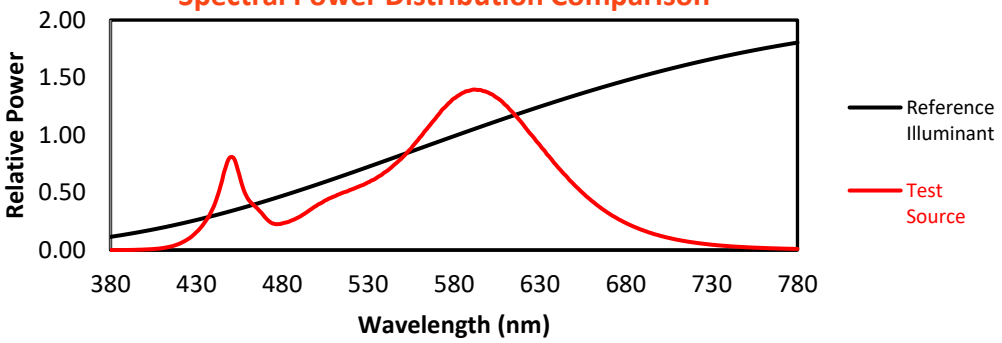
REPORT NUMBER: SP1-2501-332-4

TM-30-18

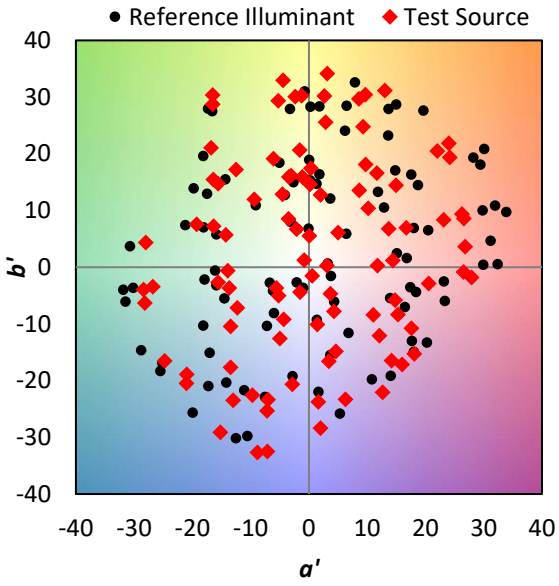
Summary

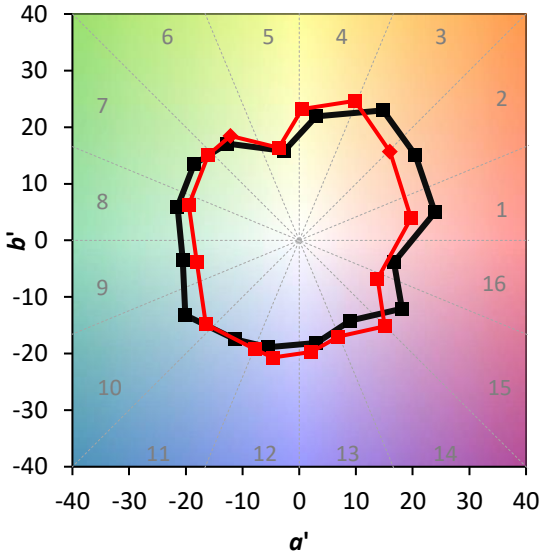
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

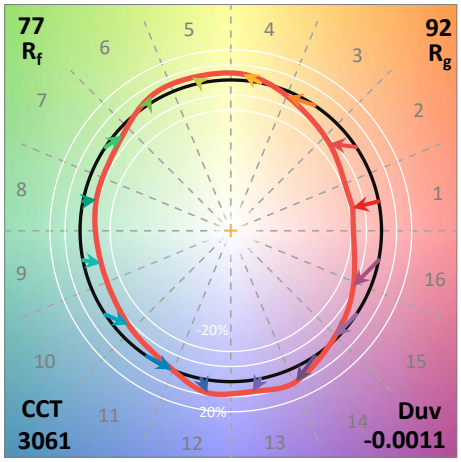
Spectral Power Distribution Comparison

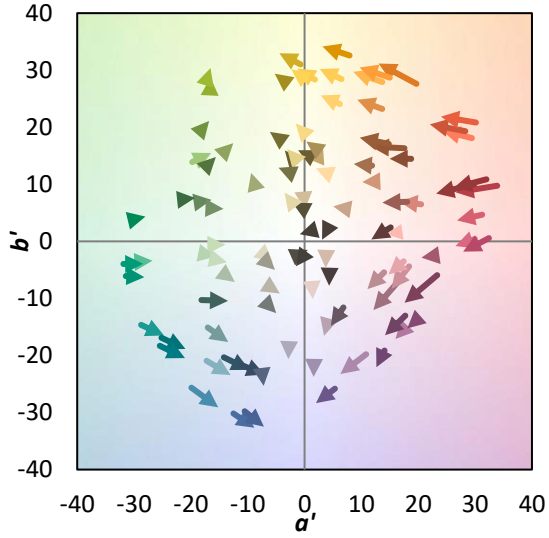


Color Vector Graphics







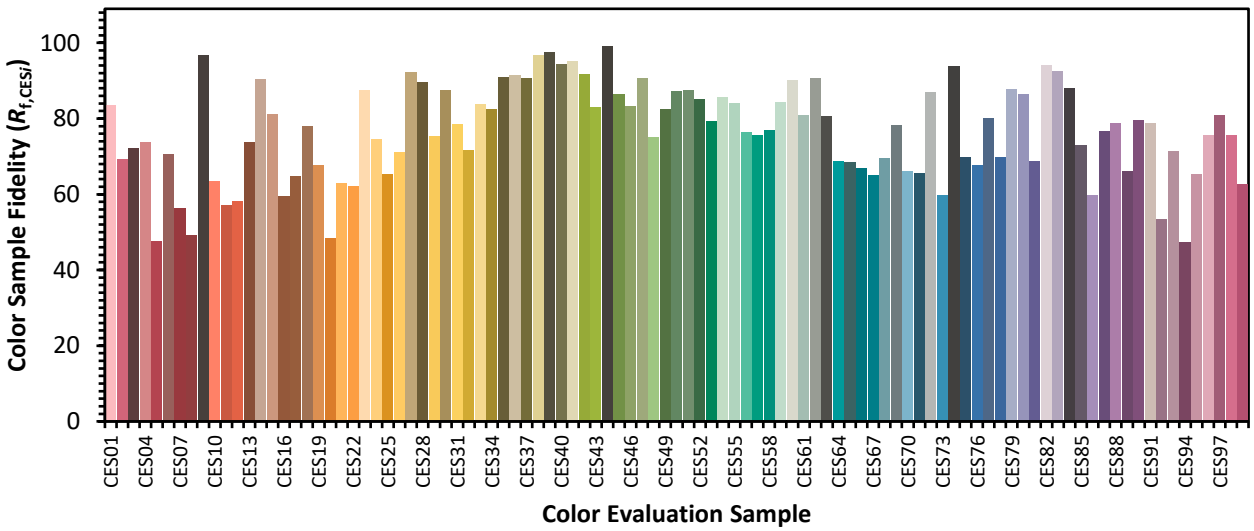


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

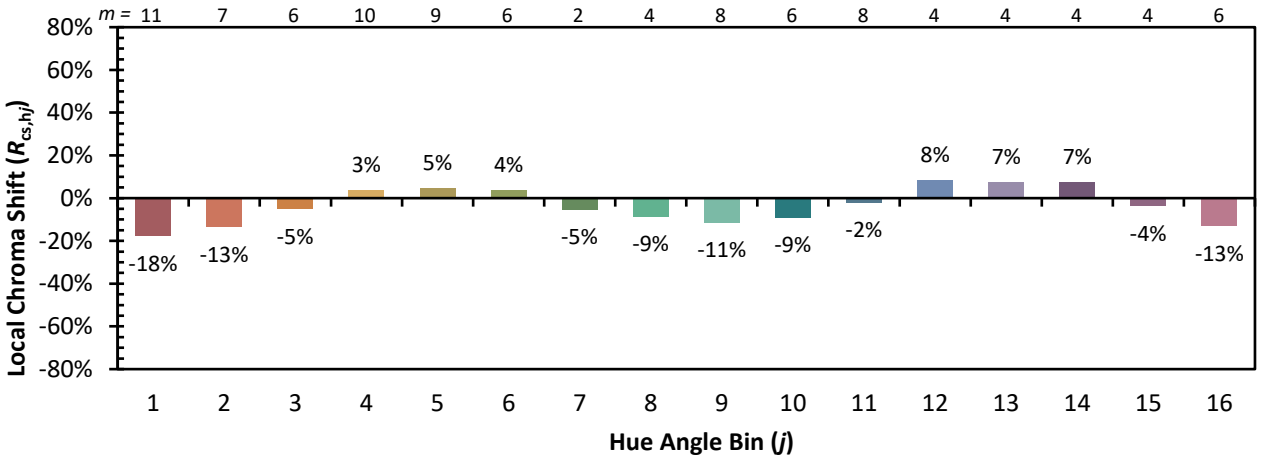
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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	

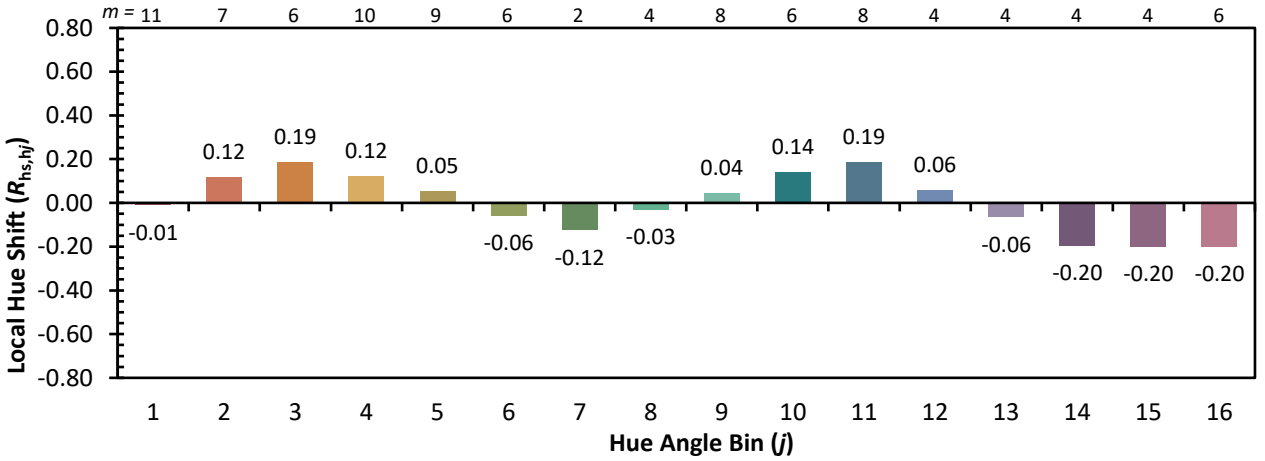


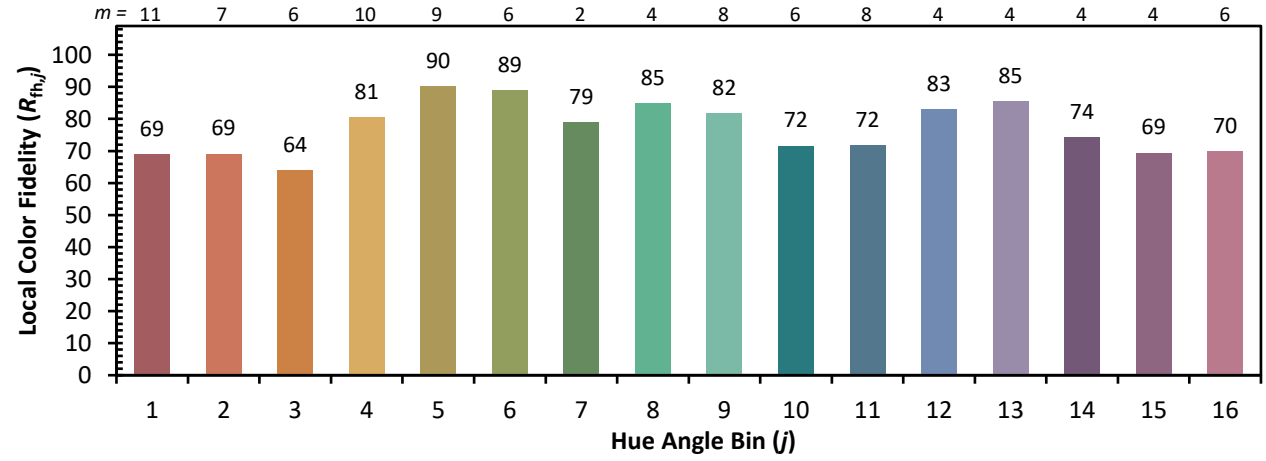
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



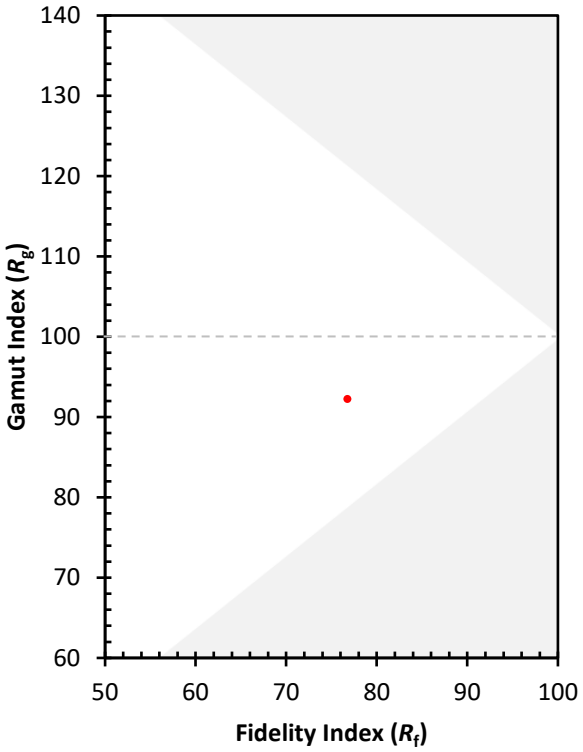


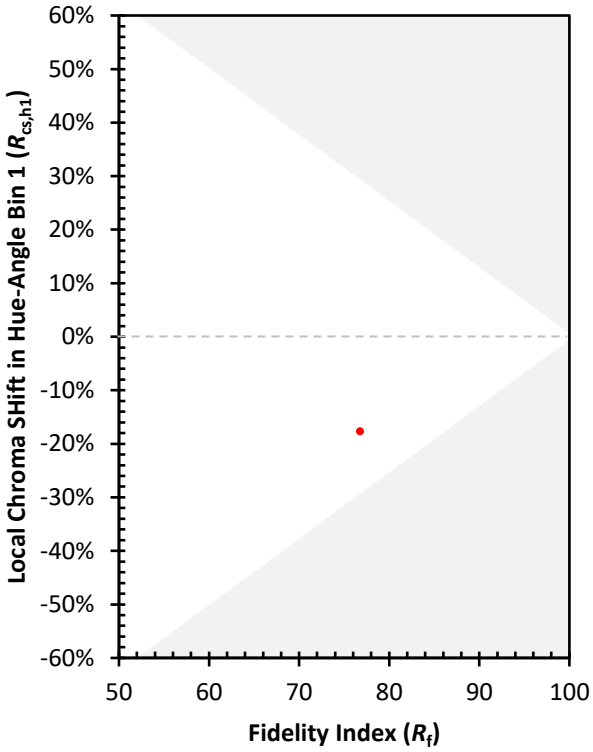


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Measure Comparisons





(END OF REPORT)