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: P1046249

Luminaire Tested: **FFX-CLB-60-730-U-FR-T4-UPLR-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:	P1046249
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-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:	8422.8 lumens
Efficiency:	N/A
Efficacy:	139.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	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

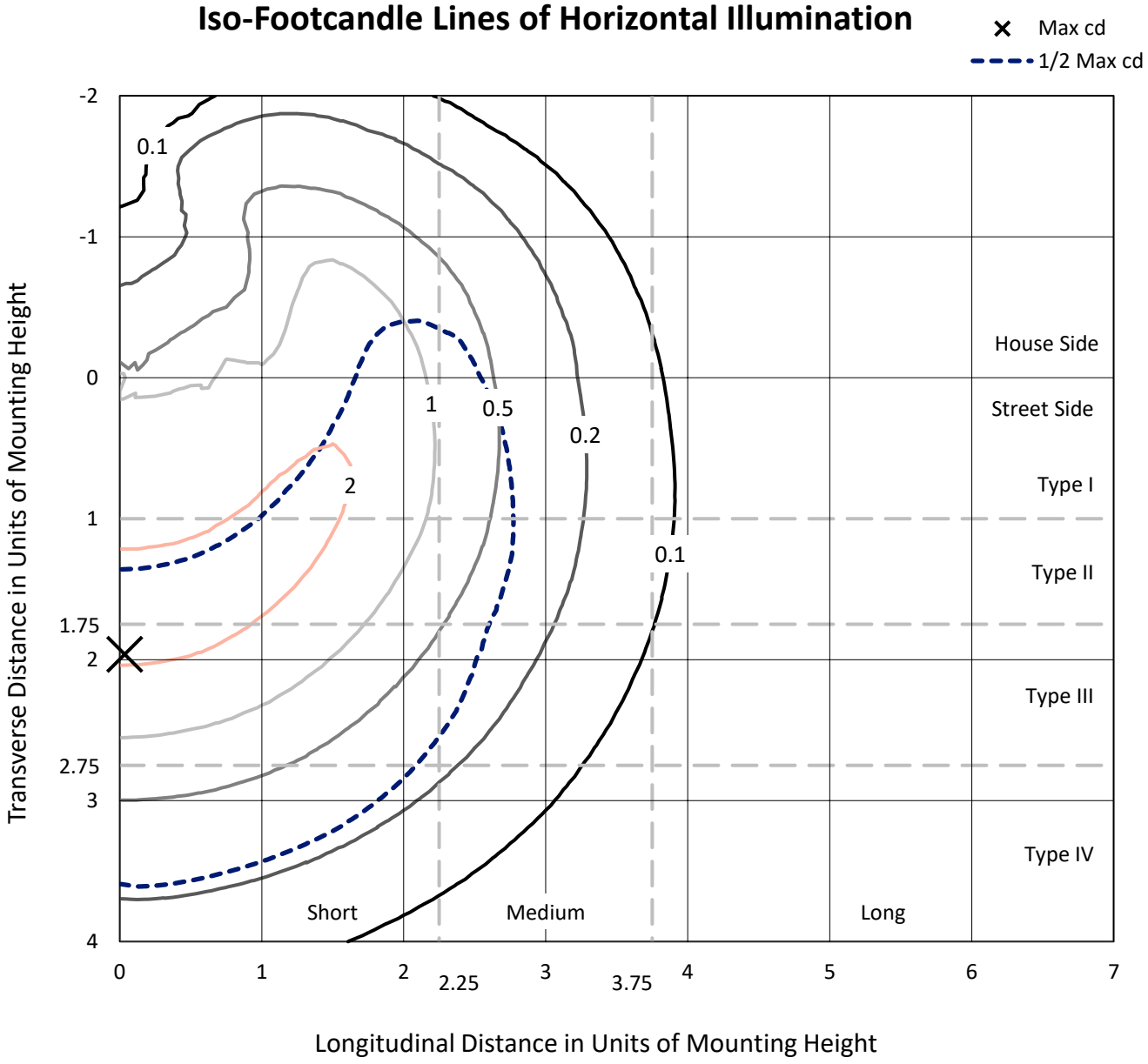


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Iso-Footcandle Lines of Horizontal Illumination



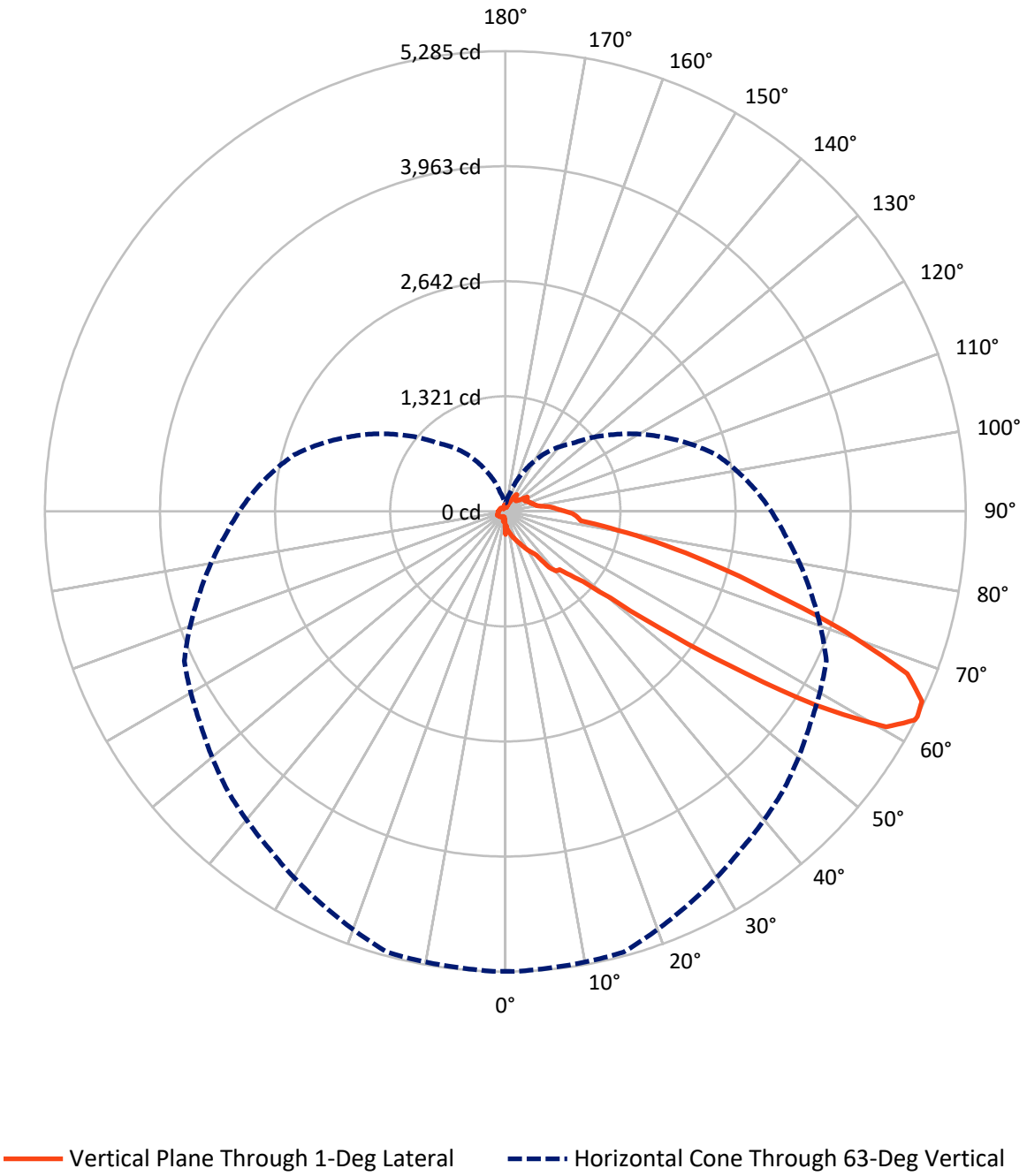
Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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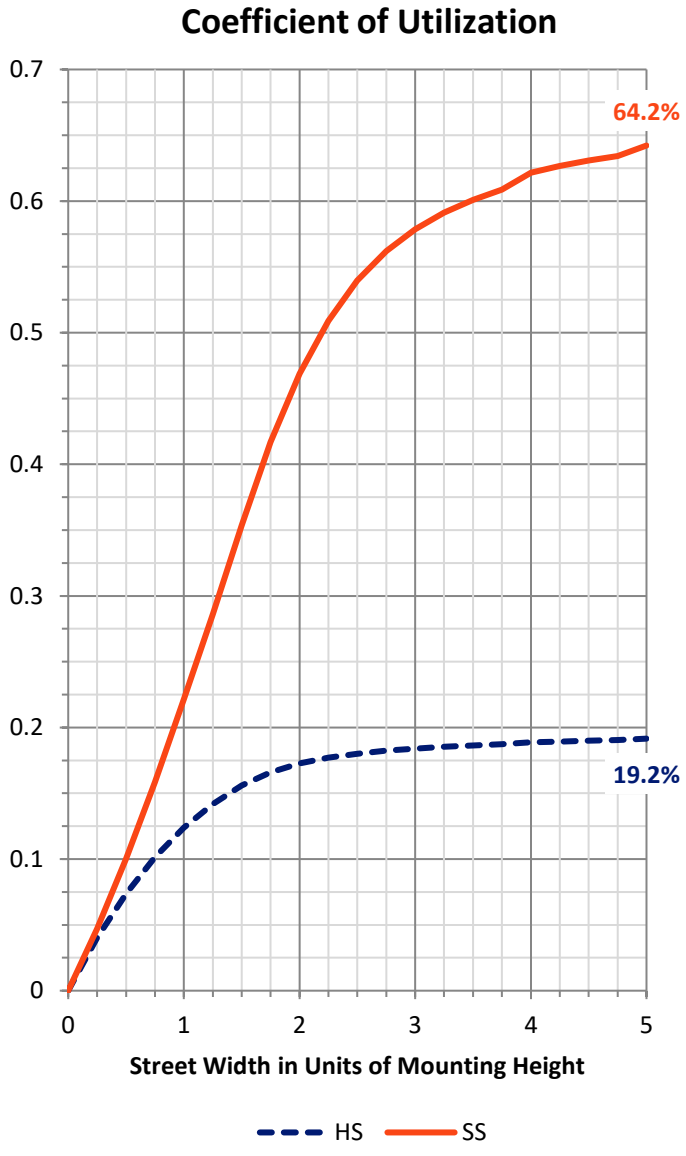
REPORT NUMBER: P1046249
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1667.7	334.1	2001.7
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	5649.8	771.2	6421.1
	% Fixture	67.1	9.2	76.2
Total	Lumens	7317.5	1105.3	8422.8
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.2
10°-20°	55.4	0.7
20°-30°	122.2	1.5
30°-40°	250.1	3.0
40°-50°	505.1	6.0
50°-60°	1630.3	19.4
60°-70°	2686.0	31.9
70°-80°	1480.6	17.6
80°-90°	572.0	6.8
90°-100°	343.0	4.1
100°-110°	218.5	2.6
110°-120°	167.1	2.0
120°-130°	142.6	1.7
130°-140°	95.6	1.1
140°-150°	81.4	1.0
150°-160°	37.1	0.4
160°-170°	15.0	0.2
170°-180°	5.1	0.1
0°-90°	7317.5	86.9
0°-180°	8422.8	100.0



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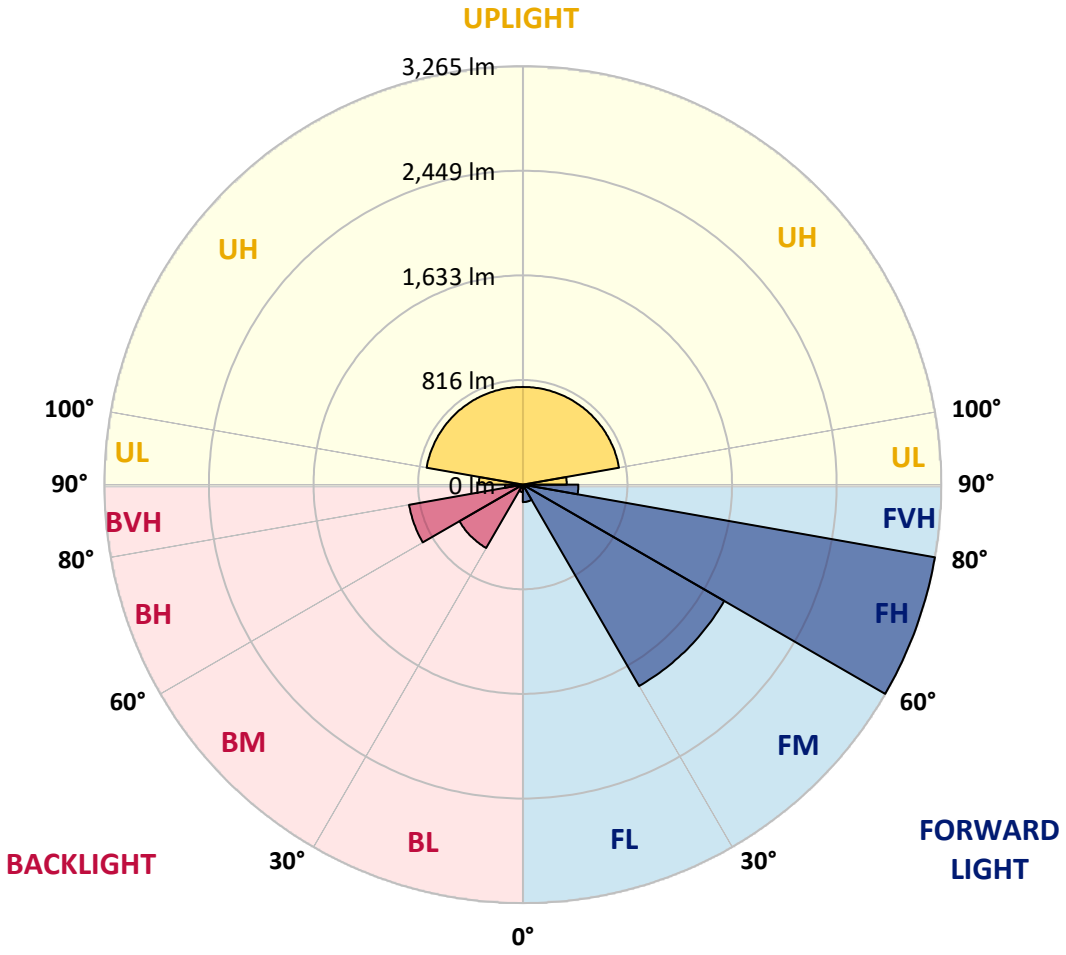
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	136.4	1.6			
FM	(30°-60°)	1814.6	21.5			
FH	(60°-80°)	3265.3	38.8			G2/5000
FVH	(80°-90°)	433.4	5.1			G3/500
BL	(0°-30°)	56.9	0.7	B0/110		
BM	(30°-60°)	570.9	6.8	B1/1000		
BH	(60°-80°)	901.3	10.7	B2/1000		G2/1000
BVH	(80°-90°)	138.6	1.6			G2/225
UL	(90°-100°)	343.0	4.1		U3/500	
UH	(100°-180°)	762.3	9.1		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6
2.5°	164.8	163.0	170.8	194.7	221.1	229.5	212.1	205.5	224.7	269.0	273.8
5°	189.9	192.9	191.1	194.1	196.5	215.1	231.9	214.5	173.8	142.0	144.4
7.5°	224.1	223.5	223.5	221.1	209.1	189.9	184.5	198.3	198.9	166.6	141.4
10°	239.1	238.5	238.5	236.1	233.7	235.5	229.5	204.3	183.9	170.8	162.4
12.5°	270.8	269.6	269.0	267.8	263.6	258.8	254.6	255.8	238.5	205.5	183.9
15°	297.2	296.0	297.2	298.4	295.4	287.0	275.0	258.2	242.7	228.9	209.7
17.5°	325.9	325.3	324.7	323.5	319.4	308.0	293.6	278.0	260.6	241.5	223.5
20°	353.5	352.3	352.9	353.5	351.7	337.9	323.5	304.4	285.8	267.2	246.3
22.5°	386.5	386.5	384.7	384.7	382.9	374.5	356.5	334.3	315.2	291.8	268.4
25°	429.0	427.2	427.2	425.4	418.2	409.2	396.6	371.5	348.7	326.5	295.4
27.5°	470.9	469.1	469.1	468.5	459.6	447.6	426.6	402.6	381.1	352.9	315.2
30°	518.9	517.7	518.3	511.7	504.5	487.7	461.4	433.8	405.6	372.7	336.1
32.5°	567.4	563.8	563.2	556.0	546.4	526.1	496.7	470.3	441.0	402.6	372.1
35°	624.3	616.5	624.9	623.1	621.9	600.4	566.8	536.2	501.5	466.7	433.8
37.5°	812.5	816.1	814.3	790.3	771.1	741.8	726.8	690.8	642.9	600.4	538.0
40°	901.1	899.9	896.9	870.6	853.2	822.6	798.7	771.7	743.6	677.0	599.8
42.5°	920.3	913.7	918.5	943.1	965.8	945.5	869.4	782.5	743.0	696.2	656.1
45°	1060.5	1043.7	1050.9	1057.5	1035.3	1006.0	973.0	916.7	850.2	783.1	709.4
47.5°	1210.3	1201.3	1200.7	1198.3	1200.7	1172.6	1128.8	1076.7	982.6	910.1	828.0
50°	1575.2	1563.2	1566.8	1569.8	1557.2	1528.5	1481.1	1447.0	1334.3	1195.3	1088.7
52.5°	2244.4	2237.3	2220.5	2221.7	2108.4	2102.4	2038.3	2007.8	1841.8	1683.0	1467.9
55°	3070.7	3117.4	3065.9	3055.7	3009.0	2967.0	2806.5	2673.4	2435.6	2207.3	1955.1
57.5°	4189.9	4197.7	4132.4	4134.2	3968.2	3862.8	3714.8	3511.1	3157.0	2827.4	2544.6
60°	5005.4	5025.1	4994.6	4931.1	4609.9	4421.2	4258.2	4097.6	3827.4	3337.9	2944.3
62.5°	5270.8	5276.8	5257.6	5224.1	4940.7	4699.8	4490.1	4257.0	4049.7	3608.7	3213.3
63°	5280.4	5284.6	5269.6	5240.8	4977.8	4728.0	4518.3	4269.0	4065.9	3632.7	3229.5
65°	5254.6	5256.4	5249.8	5211.5	5001.2	4736.9	4506.3	4260.6	4074.3	3642.3	3229.5
67.5°	5022.7	4977.2	4996.4	4931.7	4756.7	4493.7	4273.2	4022.8	3855.0	3437.4	3041.9
70°	4132.4	4135.4	4132.4	4097.0	4047.3	3839.4	3581.8	3356.5	3144.4	2816.6	2506.3
72.5°	3197.1	3209.7	3182.1	3202.5	3162.4	2990.4	2823.8	2595.6	2446.4	2168.4	1894.5
75°	2476.3	2502.1	2510.5	2452.4	2417.6	2381.1	2290.0	2125.8	1976.6	1761.5	1522.5
77.5°	1871.2	1876.0	1883.2	1843.6	1798.1	1812.5	1799.3	1721.4	1596.2	1438.0	1248.0
80°	1293.0	1306.8	1330.1	1307.4	1312.8	1304.4	1302.6	1240.3	1149.8	1050.3	948.5
82.5°	868.8	868.2	874.2	910.7	944.3	943.1	889.8	802.3	756.1	727.4	669.9
85°	831.6	831.6	840.0	813.7	796.9	780.1	776.5	746.6	711.2	646.5	566.8
87.5°	775.3	773.5	775.9	753.1	731.0	725.6	720.2	694.4	678.8	622.5	549.4
90°	663.3	668.1	668.1	666.3	652.5	647.1	625.5	604.0	594.4	543.4	485.9
92.5°	585.4	585.4	592.0	580.6	565.6	574.0	536.8	508.7	495.5	461.4	415.8
95°	529.1	527.3	535.6	519.5	508.7	493.1	477.5	448.2	438.6	409.2	363.1
97.5°	422.4	420.6	425.4	417.6	400.8	393.6	376.9	353.5	344.5	317.0	288.8
100°	363.7	363.1	364.9	360.7	351.1	342.1	327.7	309.2	300.8	278.0	252.8
102.5°	345.1	343.3	343.9	344.5	330.7	322.3	308.6	294.2	285.8	267.2	239.7
105°	328.3	327.1	325.9	325.9	310.4	302.0	293.0	283.4	276.2	255.8	229.5
107.5°	312.8	311.0	306.8	306.2	296.0	287.0	276.2	267.8	260.6	242.1	216.9

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	295.4	*294.8*	292.4	293.0	286.4	272.6	263.6	253.4	244.5	228.3	206.1
112.5°	286.4	*286.4*	284.6	287.6	262.4	248.7	239.1	230.1	224.1	208.5	191.7
115°	276.8	*272.0*	270.2	276.2	247.5	228.3	218.7	209.1	203.1	187.5	173.8
117.5°	256.4	*255.2*	255.8	260.6	252.2	231.3	215.7	203.7	197.7	186.3	173.8
120°	292.4	*291.2*	284.0	282.8	268.4	251.6	241.5	234.9	225.9	207.3	183.3
122.5°	305.6	*303.2*	291.8	295.4	276.2	267.8	263.6	261.2	252.8	228.3	191.7
125°	266.0	*262.4*	259.4	260.6	249.8	239.1	234.9	231.3	222.9	209.1	182.7
127.5°	213.3	*215.1*	212.7	206.1	204.3	188.1	182.7	178.5	170.8	159.4	155.2
130°	200.1	*198.9*	198.3	197.1	195.9	183.9	175.6	165.4	158.8	149.2	137.8
132.5°	178.0	*179.1*	180.9	191.1	200.7	190.5	169.0	153.4	149.2	151.0	146.2
135°	169.0	*169.6*	169.6	177.4	185.7	175.6	159.4	144.4	142.6	149.2	143.2
137.5°	173.2	*176.2*	175.6	173.8	169.0	161.8	158.2	149.8	145.0	140.8	130.6
140°	182.7	*186.3*	184.5	174.4	170.8	167.2	169.6	166.6	154.6	140.2	125.2
142.5°	181.5	*184.5*	183.3	182.1	188.7	180.3	169.0	157.6	148.0	140.2	130.6
145°	235.5	*234.3*	229.5	229.5	221.7	209.1	201.3	189.3	178.0	167.8	152.2
147.5°	217.5	*220.5*	221.7	216.3	212.7	204.3	203.1	196.5	192.9	183.9	167.8
150°	172.6	*175.0*	171.4	167.2	165.4	166.0	163.0	158.2	154.6	148.0	140.8
152.5°	119.2	*120.4*	119.2	115.6	114.4	112.6	113.2	109.6	107.2	103.1	96.5
155°	108.4	*109.0*	109.6	103.7	102.5	103.1	103.7	101.3	96.5	92.9	85.1
157.5°	85.1	*83.9*	83.9	82.7	83.3	81.5	81.5	80.9	79.1	76.7	74.3
160°	67.7	*68.3*	68.3	68.3	69.5	68.3	68.3	66.5	66.5	65.3	64.1
162.5°	57.5	*57.5*	57.5	57.5	56.9	56.9	58.1	57.5	57.5	58.1	59.3
165°	48.5	*49.1*	49.1	49.1	49.1	49.1	50.3	50.3	51.5	53.9	56.9
167.5°	45.5	*44.9*	44.9	45.5	45.5	46.7	46.7	49.1	53.3	57.5	57.5
170°	43.1	*43.1*	43.1	43.7	43.7	44.3	46.1	50.3	55.1	56.9	54.5
172.5°	44.9	*44.3*	44.3	44.9	44.9	46.7	49.1	52.7	54.5	54.5	52.1
175°	46.1	*45.5*	45.5	46.1	46.1	47.3	49.7	52.1	53.3	53.9	53.9
177.5°	44.9	*44.9*	44.9	44.9	44.9	45.5	45.5	47.3	48.5	49.7	50.9
180°	43.1	*43.1*	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6
2.5°	273.8	249.8	214.5	171.4	199.5	234.3	229.5	202.5	161.8	121.6	121.6
5°	151.6	160.6	169.6	148.6	133.0	131.8	128.2	115.0	113.2	93.5	88.1
7.5°	132.4	124.0	122.2	144.4	142.6	94.1	74.3	65.9	69.5	94.1	97.1
10°	158.8	155.2	143.8	119.8	100.1	91.1	90.5	91.7	83.9	67.7	63.5
12.5°	179.1	173.2	163.0	155.8	133.0	106.1	91.1	84.5	89.3	113.2	118.6
15°	198.9	190.5	173.2	153.4	130.6	110.8	95.3	81.5	81.5	77.9	76.1
17.5°	214.5	203.7	182.7	161.2	135.4	110.8	90.5	76.7	70.1	68.9	68.9
20°	234.3	224.1	201.3	175.0	142.6	112.0	89.9	76.7	68.9	65.9	65.3
22.5°	258.8	245.7	216.3	185.1	146.8	113.2	91.1	77.3	69.5	65.3	64.1
25°	281.6	266.6	231.9	199.5	156.4	116.2	92.3	79.1	70.7	65.9	65.3
27.5°	300.2	284.0	251.6	214.5	166.6	123.4	98.3	82.7	72.5	67.7	66.5
30°	321.1	306.2	272.0	230.1	176.2	132.4	106.7	89.3	77.9	71.3	70.7
32.5°	352.3	333.7	294.2	246.3	187.5	142.0	115.0	95.3	81.5	77.9	77.9
35°	408.6	389.5	337.3	272.6	198.3	151.6	123.4	101.9	86.9	78.5	77.9
37.5°	514.1	487.7	422.4	332.5	216.9	159.4	130.6	107.2	89.9	77.9	76.1
40°	562.6	517.7	448.2	364.3	243.9	168.4	136.6	111.4	90.5	79.7	78.5
42.5°	620.1	582.4	484.1	372.1	263.6	190.5	146.8	116.2	94.1	82.1	80.9
45°	675.3	638.7	556.0	439.8	308.0	223.5	164.8	125.8	100.1	85.7	83.3
47.5°	775.3	737.0	621.9	509.3	369.1	275.0	200.7	140.8	108.4	89.3	86.3
50°	1035.3	980.8	845.4	674.7	472.1	349.3	257.0	172.0	119.8	91.1	87.5
52.5°	1370.9	1287.6	1140.8	922.7	675.3	494.3	360.1	249.8	139.6	91.7	86.3
55°	1914.9	1812.5	1576.4	1257.6	945.5	737.6	545.2	384.1	205.5	95.9	85.7
57.5°	2430.8	2354.7	2148.6	1720.8	1254.0	937.1	717.2	540.4	279.8	105.5	89.9
60°	2810.1	2665.1	2424.2	1985.6	1514.7	1087.5	798.1	562.0	287.6	107.2	92.9
62.5°	3036.5	2857.4	2500.3	2024.0	1551.8	1118.6	830.4	517.1	232.5	104.9	97.1
63°	*3053.3*	*2879.6*	*2509.9*	*2010.8*	*1539.8*	*1110.2*	*825.6*	*506.3*	*225.9*	*104.3*	*98.3*
65°	3032.3	2881.4	2476.3	1941.9	1438.0	1035.9	768.7	454.8	183.3	102.5	99.5
67.5°	2823.8	2701.0	2300.8	1755.5	1280.4	894.5	636.3	346.9	143.2	97.7	96.5
70°	2363.7	2222.9	1859.8	1451.2	1015.0	722.6	507.5	269.0	118.0	92.9	91.7
72.5°	1759.1	1700.4	1412.8	1104.2	780.7	557.2	381.1	204.3	104.9	89.3	88.1
75°	1422.4	1334.3	1120.4	872.4	593.8	414.0	282.8	153.4	95.9	86.3	85.1
77.5°	1176.1	1117.4	932.3	658.5	423.6	298.4	207.9	121.6	91.7	84.5	83.9
80°	910.7	874.2	727.4	487.1	303.2	222.3	164.8	111.4	89.9	83.9	83.3
82.5°	642.3	630.9	529.7	364.3	257.6	198.9	153.4	109.6	90.5	85.1	83.9
85°	532.1	507.5	445.8	346.3	244.5	190.5	148.0	107.8	90.5	84.5	83.9
87.5°	518.3	497.9	431.4	324.1	224.1	176.2	139.0	103.7	87.5	82.1	81.5
90°	468.5	448.2	386.5	289.4	210.9	165.4	130.0	98.3	83.9	79.7	78.5
92.5°	399.6	381.1	335.5	263.0	201.9	158.8	126.4	96.5	83.3	78.5	77.9
95°	346.9	331.3	294.2	242.1	186.3	148.0	119.8	92.9	80.9	76.7	76.1
97.5°	276.2	266.6	237.9	197.1	157.6	129.4	107.2	87.5	77.9	74.3	73.7
100°	243.3	234.9	212.1	178.5	146.2	122.2	103.7	85.7	75.5	72.5	71.9
102.5°	228.3	221.7	201.3	167.8	137.2	116.2	98.9	82.7	73.7	70.7	70.1
105°	216.9	210.9	192.3	160.0	129.4	108.4	92.9	79.1	70.7	68.3	67.7
107.5°	203.1	198.3	180.3	148.6	121.6	101.9	88.1	76.1	68.9	66.5	66.5

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

Scaled Data Report

REPORT NUMBER: P1046249
CATALOG NUMBER: FFX-CLB-60-730-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	191.7	188.1	169.6	142.0	116.2	97.7	85.1	74.9	68.3	65.9	65.9
112.5°	179.7	175.6	158.2	133.6	111.4	94.7	82.7	73.1	67.1	64.7	64.7
115°	166.6	162.4	145.6	124.0	105.5	89.9	79.1	70.1	64.7	62.9	62.9
117.5°	169.0	158.2	137.8	118.6	100.7	86.3	76.7	68.9	62.9	61.7	61.1
120°	171.4	157.6	142.6	124.6	103.7	84.5	74.9	67.1	62.3	60.5	60.5
122.5°	167.2	169.0	155.8	128.2	98.9	82.7	74.3	67.7	62.9	61.1	61.7
125°	163.6	167.8	152.2	121.0	95.3	82.1	74.3	69.5	65.3	63.5	63.5
127.5°	150.4	151.0	129.4	108.4	92.9	80.3	73.7	70.1	66.5	64.1	62.9
130°	132.4	131.2	121.0	105.5	87.5	77.3	71.3	69.5	65.9	61.7	61.1
132.5°	142.0	138.4	121.6	100.1	82.7	74.3	70.7	68.3	62.3	57.5	56.9
135°	134.8	131.2	113.8	93.5	80.3	75.5	73.7	67.7	58.7	55.1	54.5
137.5°	122.8	116.8	102.5	89.3	81.5	78.5	74.3	66.5	57.5	53.3	52.7
140°	118.0	112.0	100.7	91.7	82.7	73.1	65.9	58.7	52.7	49.1	48.5
142.5°	124.0	119.2	107.8	91.7	77.3	67.1	60.5	55.7	50.3	44.9	44.3
145°	144.4	135.4	119.8	103.1	88.1	76.1	65.9	55.7	46.1	40.1	39.5
147.5°	160.0	152.8	136.0	116.8	95.9	76.7	61.7	49.1	41.3	37.7	37.1
150°	133.0	128.8	116.2	100.7	85.1	67.7	53.3	43.7	38.9	37.7	37.7
152.5°	92.9	89.9	85.7	75.5	63.5	53.3	45.5	40.7	38.9	38.3	38.3
155°	82.1	80.3	74.9	65.9	57.5	49.7	43.7	40.1	39.5	38.9	38.9
157.5°	70.7	70.1	66.5	59.3	52.7	46.7	42.5	40.7	39.5	38.9	38.9
160°	63.5	61.7	58.1	53.3	49.1	45.5	43.1	41.9	40.7	40.1	40.1
162.5°	59.3	58.1	53.9	50.3	47.9	47.3	47.9	47.3	44.3	42.5	41.9
165°	56.3	55.7	51.5	49.1	47.9	50.9	54.5	53.3	47.9	44.9	44.9
167.5°	56.3	55.1	50.9	49.1	52.1	56.3	59.3	58.7	53.9	50.9	49.1
170°	53.3	52.1	50.9	51.5	55.7	57.5	58.1	59.3	59.9	62.9	64.1
172.5°	51.5	51.5	52.7	55.1	58.7	59.3	57.5	58.1	63.5	70.1	70.7
175°	53.9	53.9	56.3	60.5	62.3	63.5	61.1	61.7	67.7	74.3	74.9
177.5°	51.5	52.1	53.3	53.9	53.3	51.5	50.9	53.3	51.5	50.9	52.7
180°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1

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

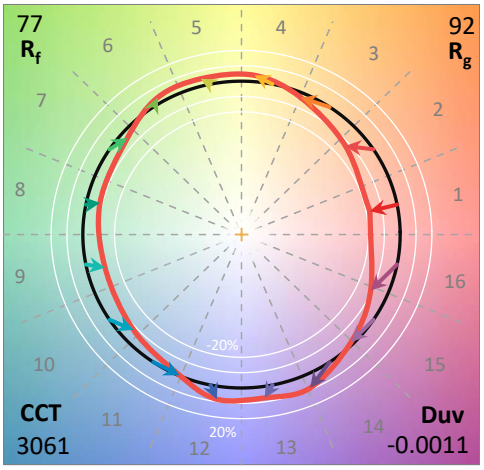
Test Information

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

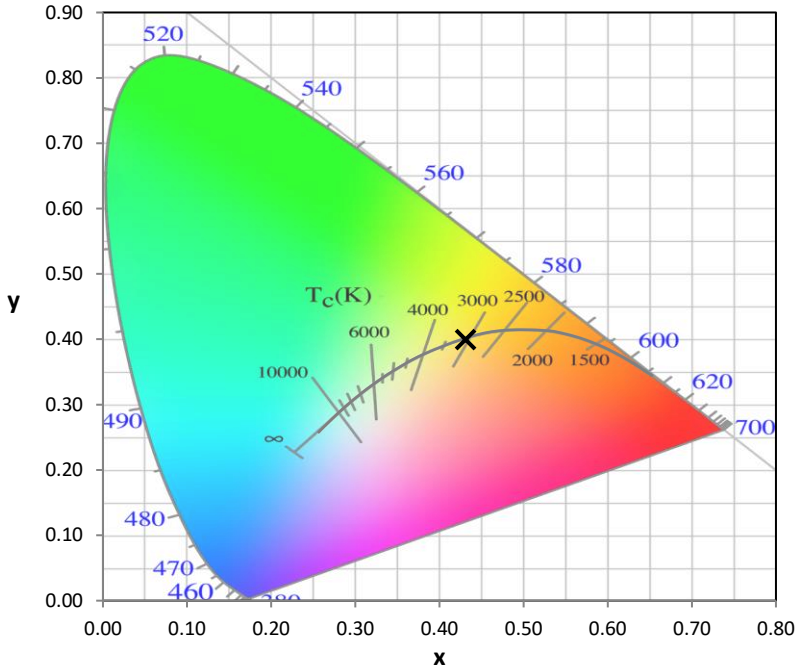
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

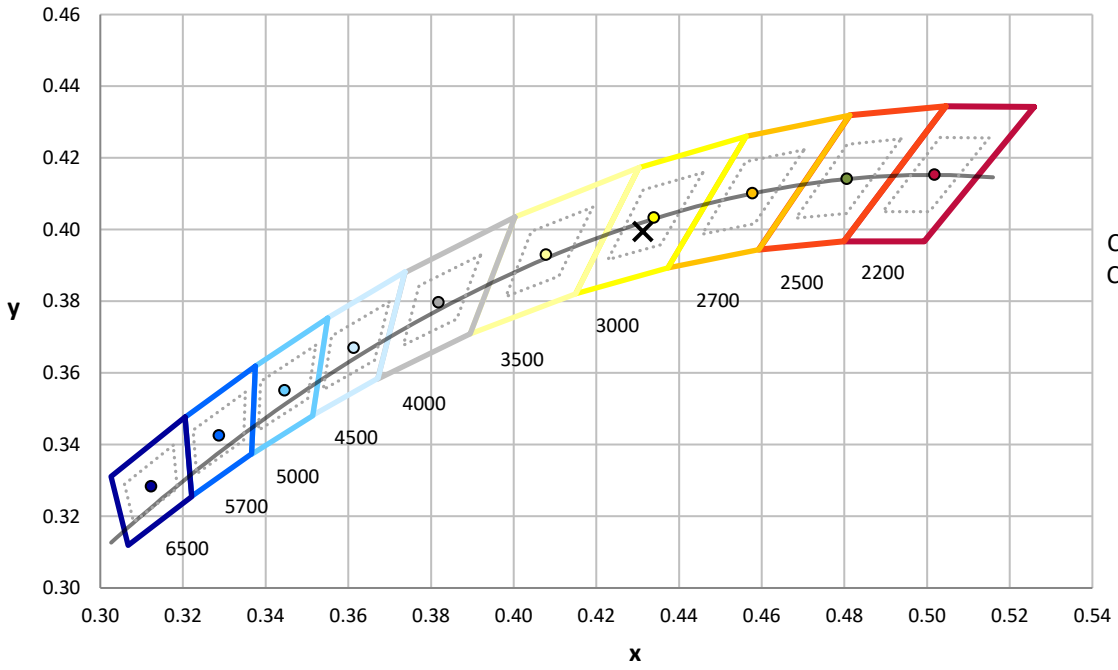
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

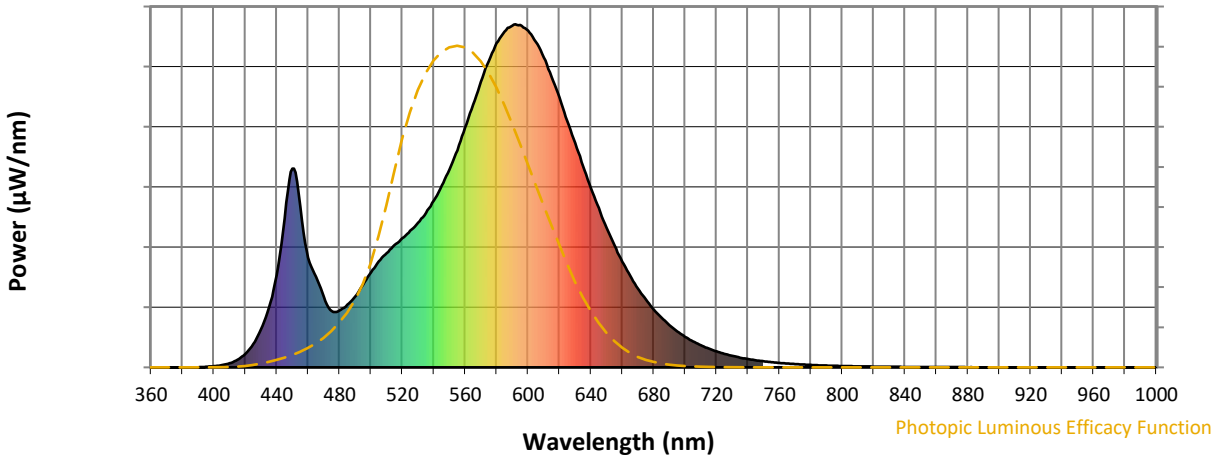


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

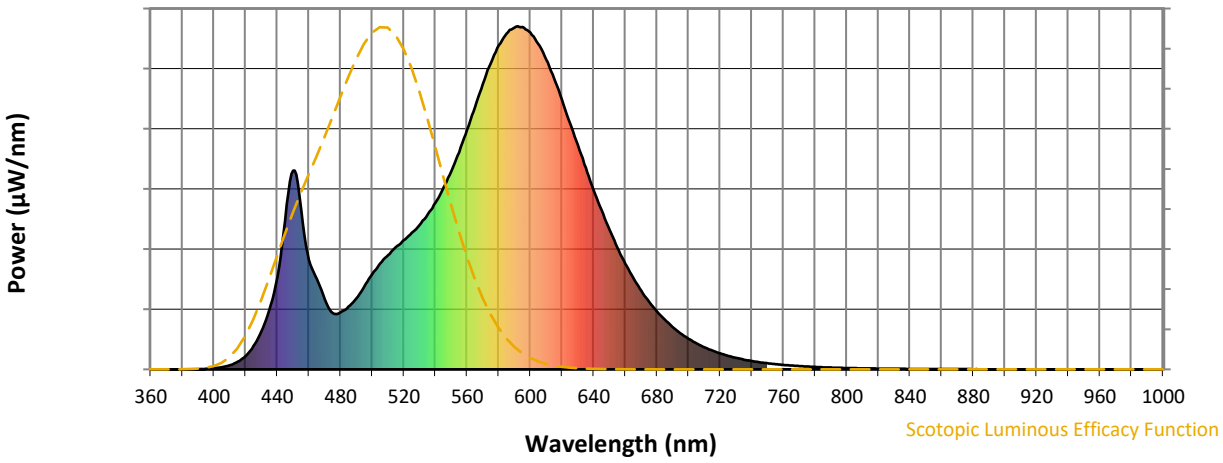


Photopic Lumens: NR

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

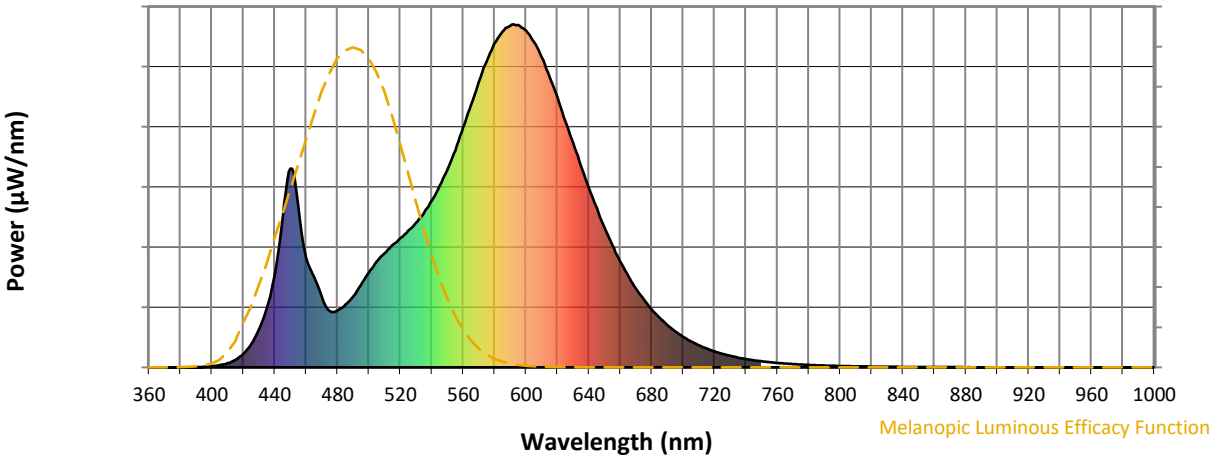


Scotopic Lumens: NR **S/P: 1.29**

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			

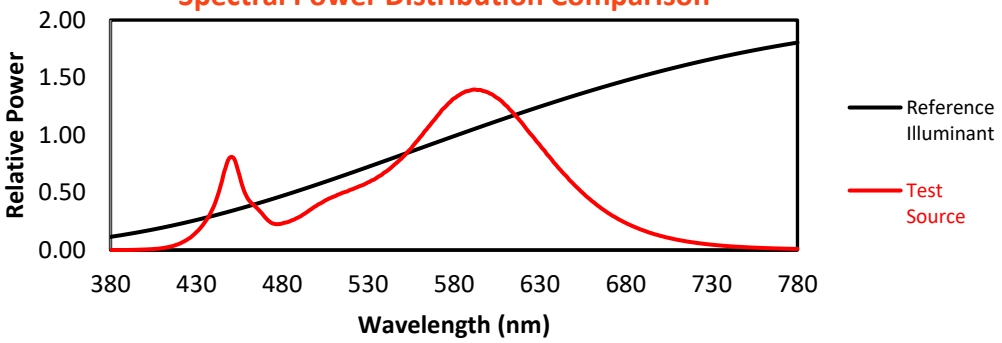
REPORT NUMBER: SP1-2501-332-4

TM-30-18

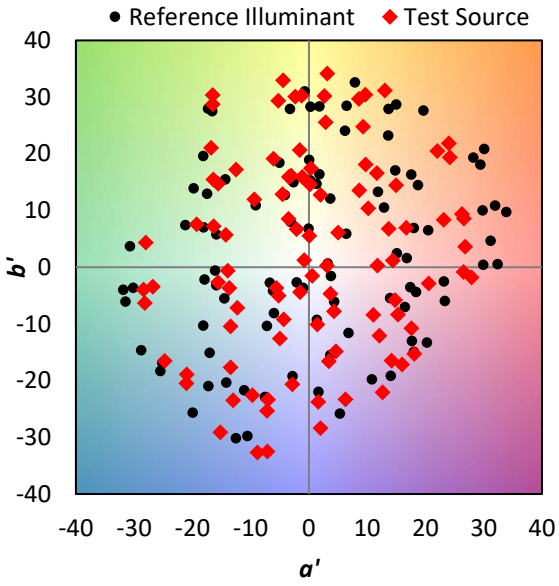
Summary

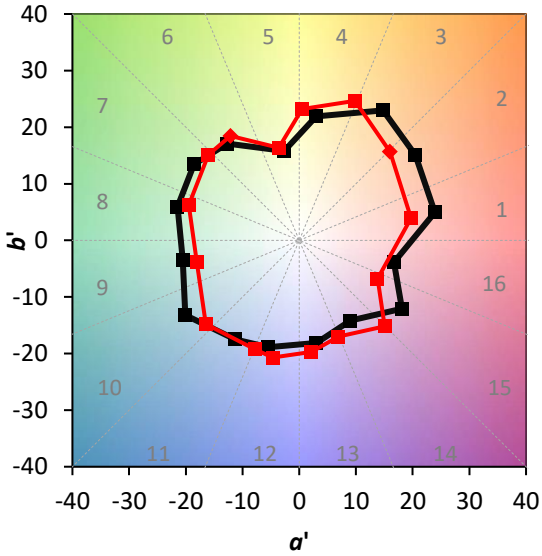
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

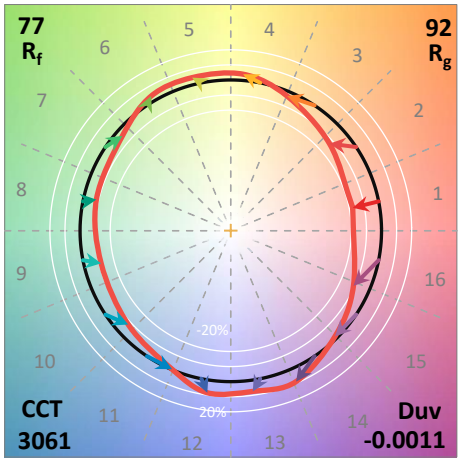
Spectral Power Distribution Comparison

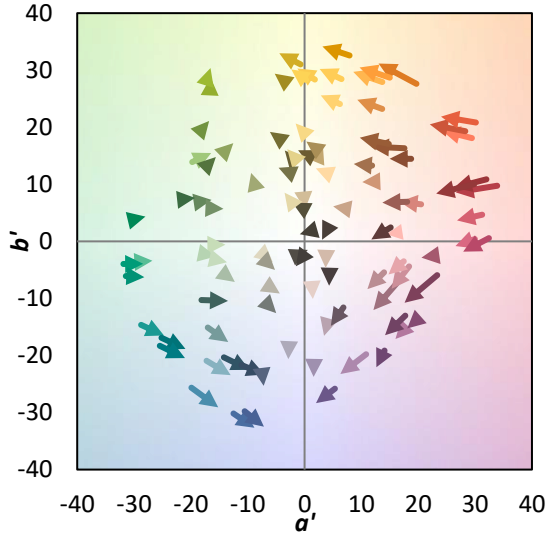


Color Vector Graphics







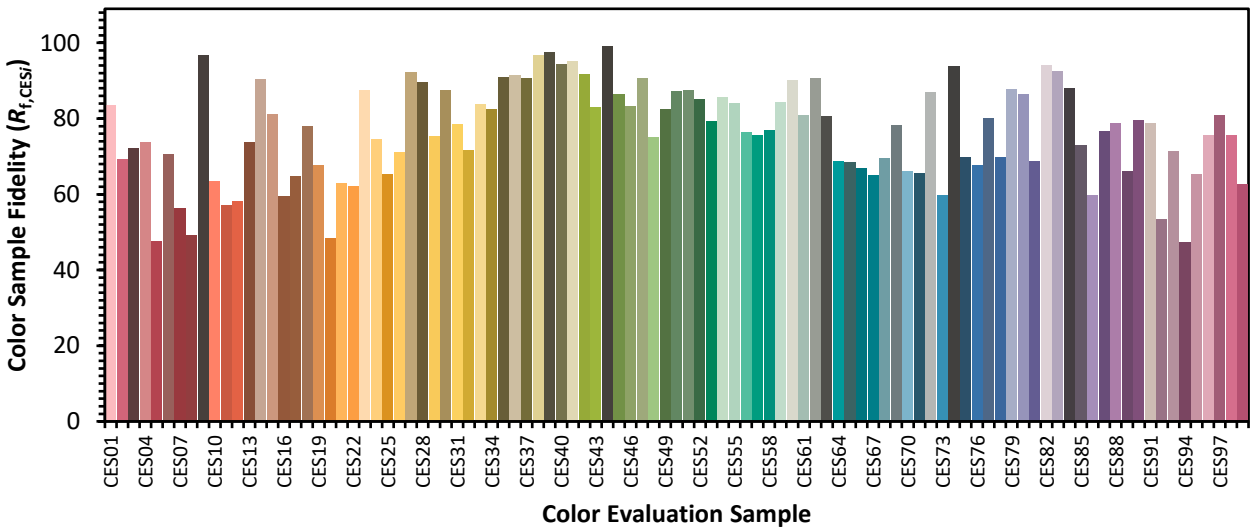


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

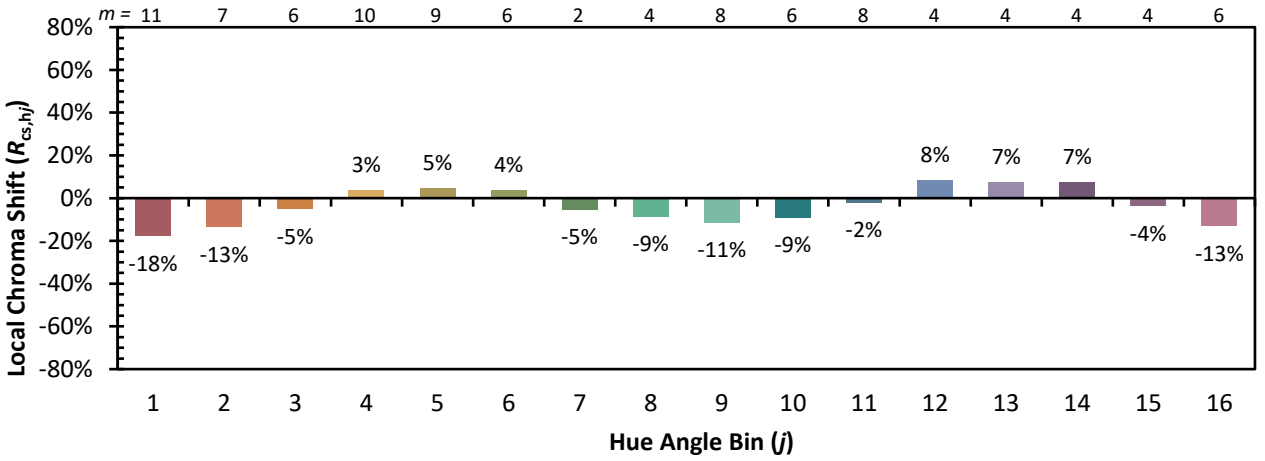
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

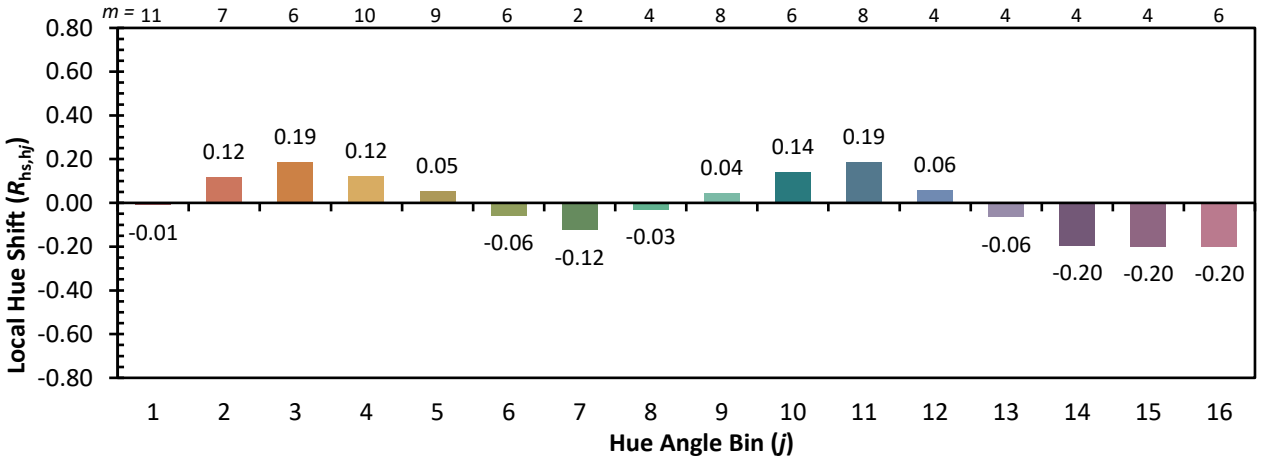


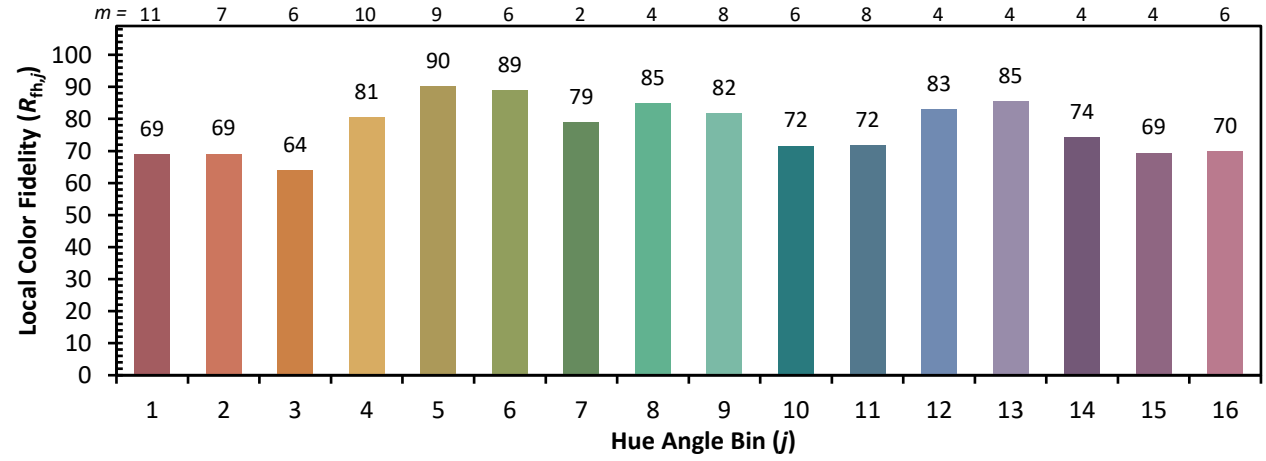
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



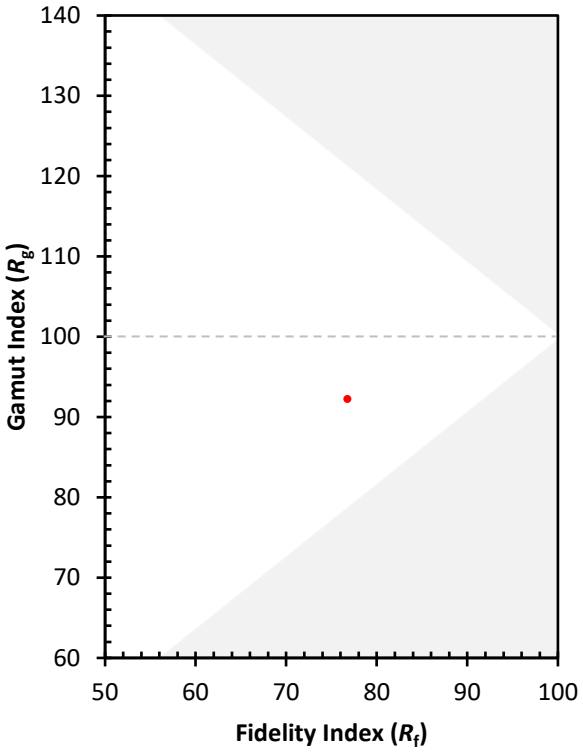


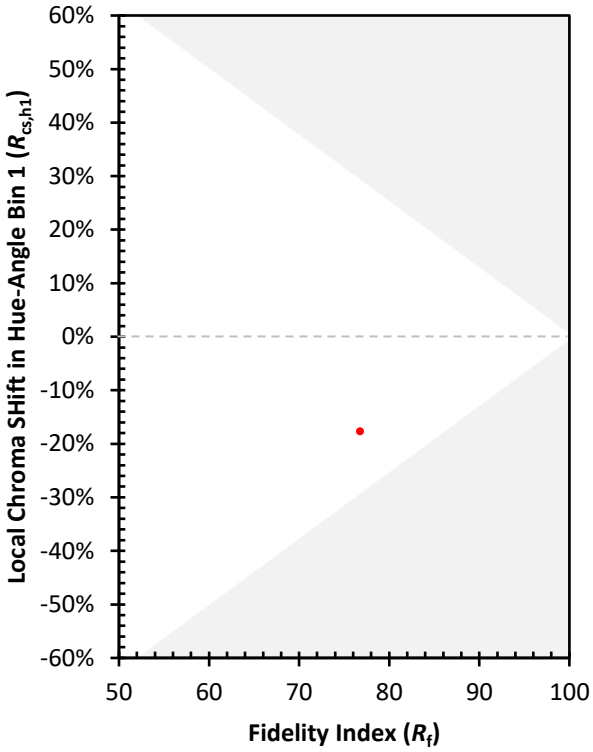


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Measure Comparisons





(END OF REPORT)