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: P1046553

Luminaire Tested: **FFX-CLB-80-727-U-FR-T3-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:	P1046553
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-U-FR-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10551.6 lumens
Efficiency:	N/A
Efficacy:	129.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

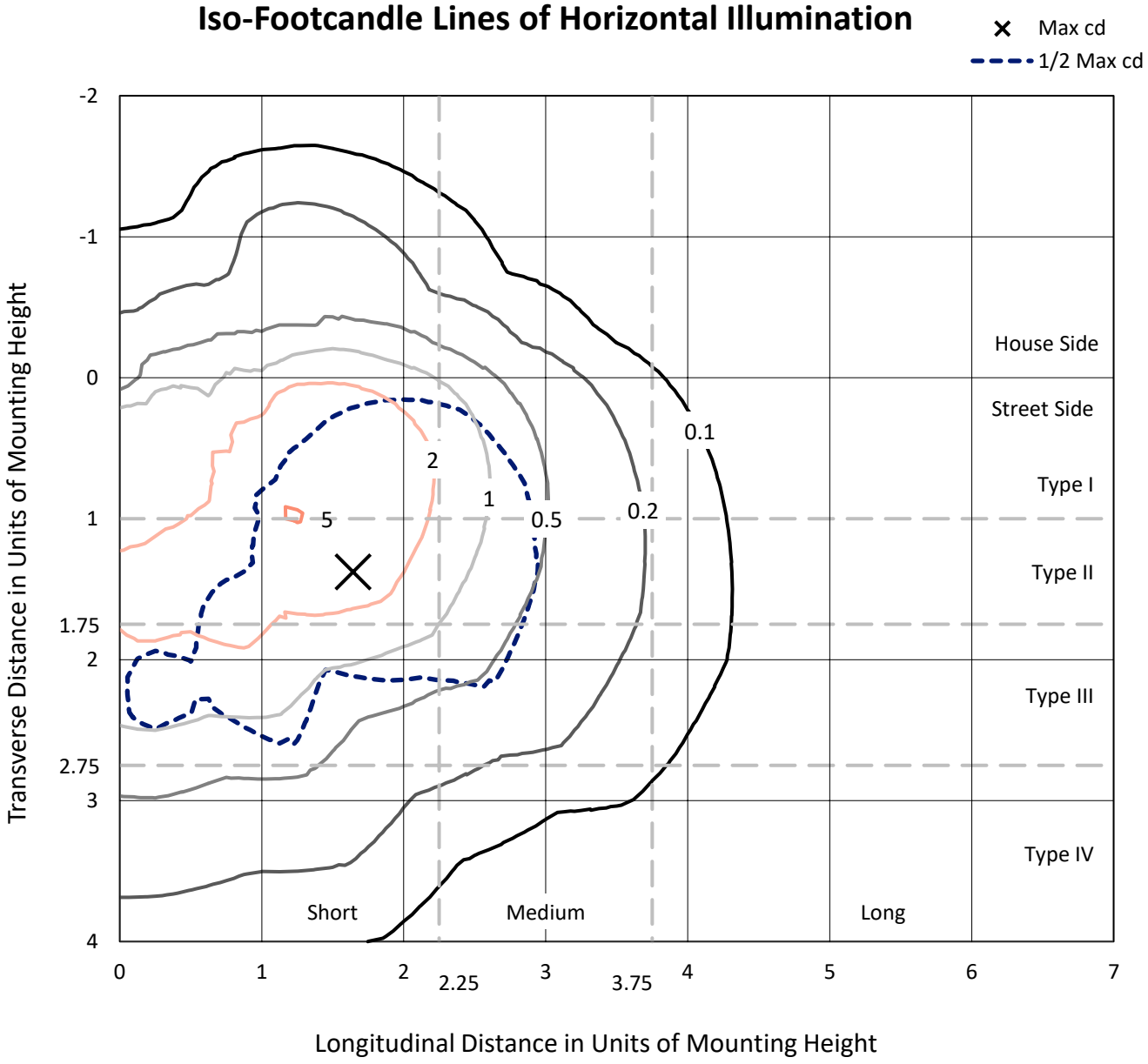


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Iso-Footcandle Lines of Horizontal Illumination



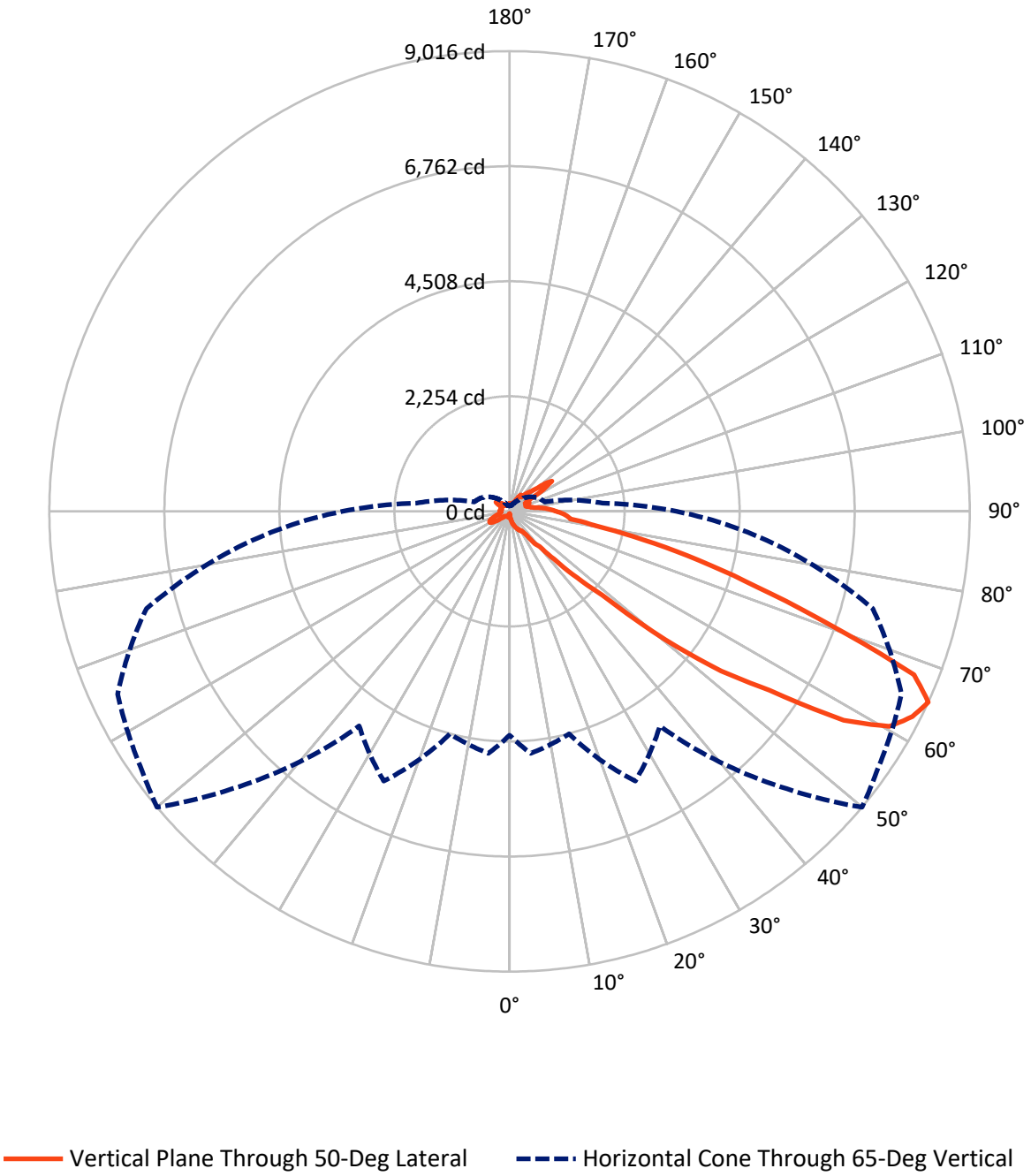
Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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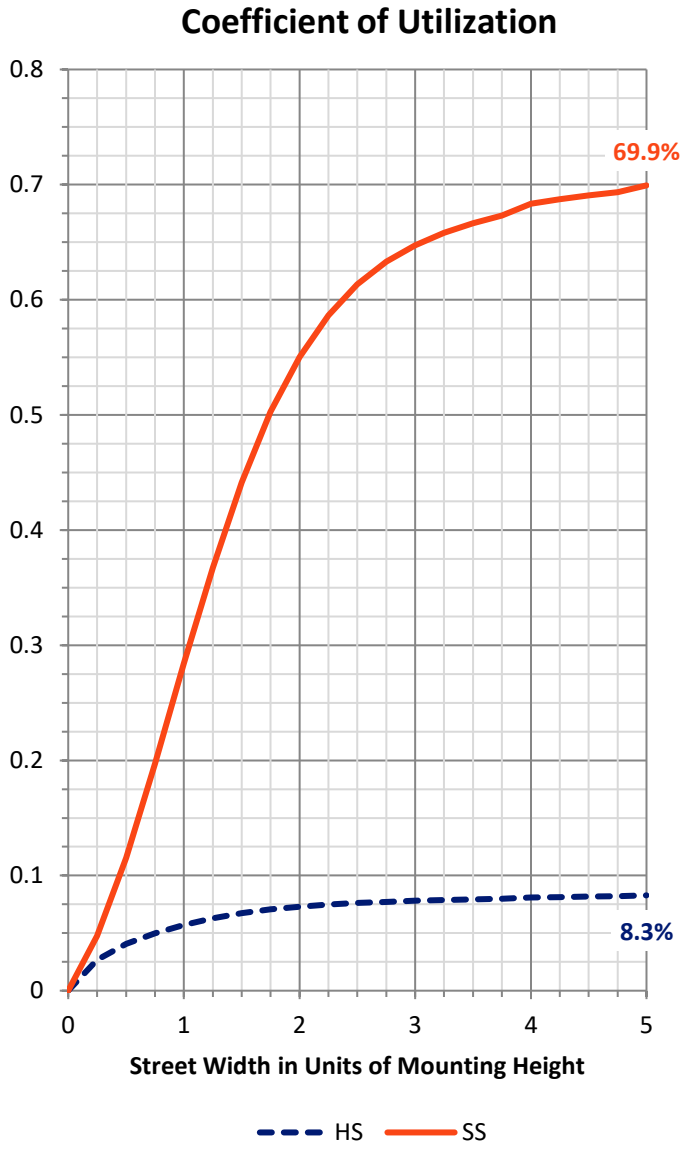
REPORT NUMBER: P1046553
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	925.6	609.3	1534.8
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	7632.7	1384.0	9016.8
	% Fixture	72.3	13.1	85.5
Total	Lumens	8558.3	1993.3	10551.6
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	55.1	0.5
20°-30°	117.6	1.1
30°-40°	234.8	2.2
40°-50°	615.1	5.8
50°-60°	2037.8	19.3
60°-70°	3213.8	30.5
70°-80°	1678.1	15.9
80°-90°	595.9	5.6
90°-100°	384.6	3.6
100°-110°	259.4	2.5
110°-120°	296.0	2.8
120°-130°	490.5	4.6
130°-140°	280.2	2.7
140°-150°	153.4	1.5
150°-160°	75.1	0.7
160°-170°	39.8	0.4
170°-180°	14.3	0.1
0°-90°	8558.3	81.1
0°-180°	10551.6	100.0



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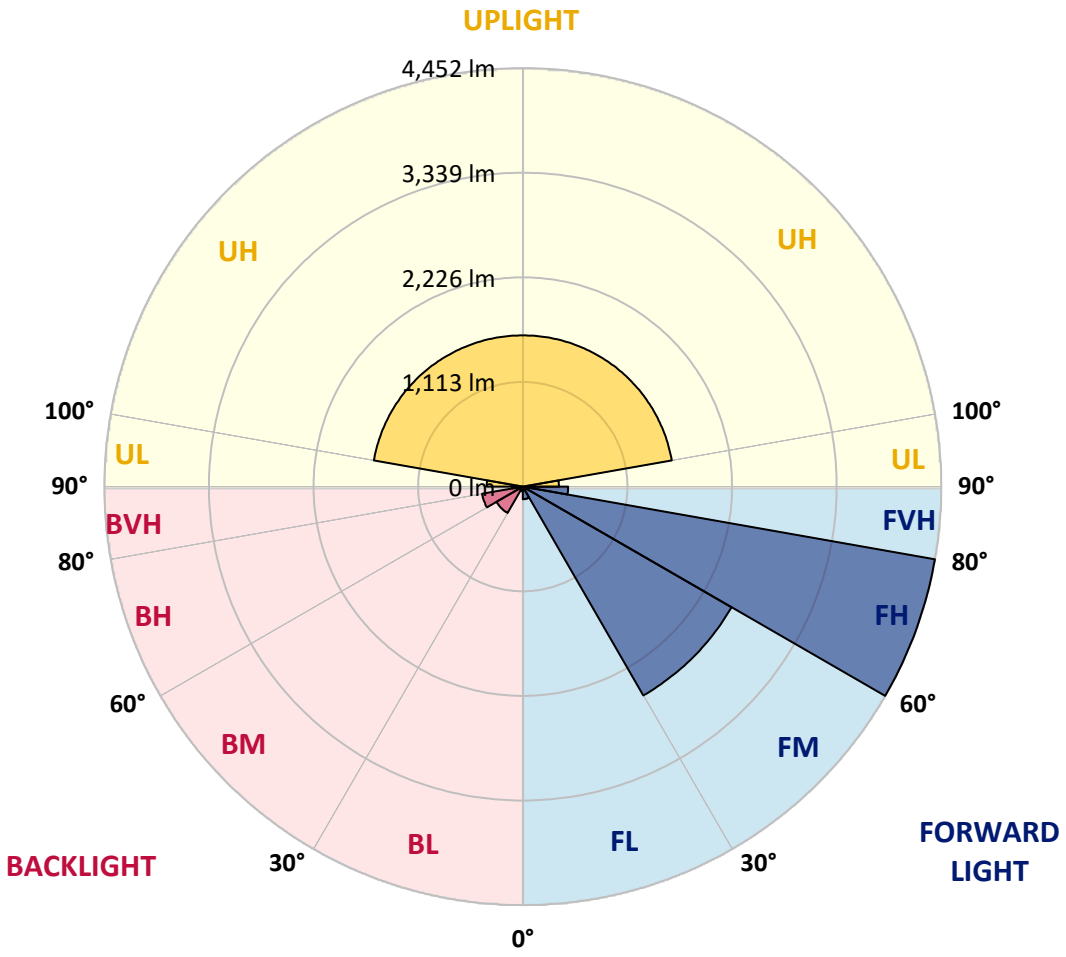
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	134.2	1.3			
FM	(30°-60°)	2564.2	24.3			
FH	(60°-80°)	4451.8	42.2			G2/5000
FVH	(80°-90°)	482.5	4.6			G3/500
BL	(0°-30°)	48.5	0.5	B0/110		
BM	(30°-60°)	323.5	3.1	B1/1000		
BH	(60°-80°)	440.1	4.2	B1/500		G1/500
BVH	(80°-90°)	113.4	1.1			G2/225
UL	(90°-100°)	384.6	3.6		U3/500	
UH	(100°-180°)	1608.8	15.2		U5	

BUG Rating: B1-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
2.5°	71.6	70.8	72.3	74.6	73.8	71.6	70.1	69.4	67.1	66.4	64.1
5°	105.9	105.1	103.7	105.1	105.9	102.9	101.4	97.7	94.0	87.2	83.5
7.5°	148.4	149.1	150.6	146.9	145.4	138.7	137.2	133.5	127.5	119.3	117.1
10°	201.3	202.1	205.8	199.9	190.2	182.0	180.5	182.0	188.7	167.8	155.1
12.5°	253.5	251.3	262.5	259.5	246.8	234.9	228.9	229.7	226.7	211.0	190.2
15°	302.0	302.0	310.2	313.2	299.8	272.2	263.2	261.0	259.5	243.1	214.0
17.5°	332.6	334.1	334.8	334.8	330.4	307.2	296.8	292.3	278.9	264.0	237.1
20°	357.9	358.7	352.0	352.7	359.4	339.3	328.9	319.9	305.7	290.1	256.5
22.5°	393.0	391.5	381.1	376.6	391.5	374.3	363.2	353.5	336.3	318.4	287.8
25°	431.8	430.3	419.8	408.7	419.1	403.4	391.5	382.6	366.9	355.0	292.3
27.5°	469.1	467.6	449.7	448.2	439.2	431.8	419.1	416.9	404.9	369.9	290.1
30°	496.6	495.2	475.8	476.5	453.4	459.4	440.7	439.2	425.1	378.8	295.3
32.5°	507.1	508.6	500.4	496.6	465.3	489.2	472.0	466.1	462.3	402.7	321.4
35°	545.1	557.0	569.7	574.2	545.9	590.6	555.6	551.1	560.0	489.9	401.2
37.5°	838.2	832.2	785.2	718.9	704.0	802.4	797.2	800.9	794.9	697.2	530.9
40°	838.9	842.7	812.8	772.6	725.6	826.3	903.1	835.2	934.4	759.9	582.4
42.5°	881.4	869.5	940.3	956.0	903.8	1053.7	1280.4	1024.6	1238.6	926.2	792.7
45°	1043.3	1043.3	1055.9	1063.4	1044.7	1421.3	1859.8	1429.5	1655.5	1158.8	951.5
47.5°	1210.3	1196.1	1268.5	1390.0	1462.3	1829.2	2454.9	1888.9	2245.3	1557.8	1320.7
50°	1687.6	1707.7	1846.4	1988.1	2096.2	2723.4	3952.3	3236.4	3667.4	2395.2	2016.4
52.5°	2058.2	2176.0	2282.6	2680.1	2728.6	3721.1	5195.4	4342.3	4698.8	3365.4	2496.7
55°	2440.7	2674.1	2737.5	3439.2	3494.4	4781.5	6185.0	5500.4	5601.1	4437.0	2964.2
57.5°	3141.7	3467.6	3489.2	4237.9	4235.7	6160.4	7721.9	7162.6	7086.5	5650.3	3680.9
60°	3745.0	4116.3	3983.6	5020.9	4788.2	7176.8	8554.8	7991.1	7824.8	6623.4	4185.0
62.5°	4111.1	4473.5	4310.2	5536.9	5141.0	7663.0	8856.1	8527.3	8243.9	7212.6	4595.8
65°	4384.1	4757.7	4513.1	5830.0	5134.2	7686.8	9015.7	8803.2	8471.3	7366.2	4686.1
67.5°	4348.3	4712.9	4419.9	5713.7	4775.6	7000.0	8546.6	8281.9	7871.8	6773.3	4382.6
70°	3770.3	3990.3	3668.2	4866.5	3818.1	5414.6	6657.7	6504.9	6110.4	5185.0	3390.0
72.5°	3173.8	3228.2	2926.2	3809.1	2976.9	3944.8	5058.9	4895.6	4636.9	3847.9	2562.3
75°	2451.2	2451.2	2278.2	2856.1	2211.8	2799.4	3829.2	3787.5	3627.9	2887.4	1945.6
77.5°	1655.5	1569.0	1542.9	1929.2	1528.0	1847.1	2665.9	2764.4	2722.6	2067.1	1418.4
80°	965.0	985.8	949.3	1190.9	1005.2	1208.1	1710.7	1840.4	1836.7	1372.9	930.7
82.5°	752.4	767.3	729.3	857.6	767.3	950.8	1199.1	1190.9	1219.2	994.8	700.2
85°	741.2	752.4	712.9	792.7	736.8	903.1	1126.8	1124.5	1118.6	921.0	657.7
87.5°	674.1	689.0	654.7	718.9	668.2	824.8	1023.9	1035.8	1018.6	863.5	632.4
90°	563.8	579.4	564.5	639.1	586.9	711.4	890.4	899.3	884.4	769.6	570.5
92.5°	507.1	517.5	499.6	564.5	509.3	624.9	786.7	791.9	768.8	677.1	493.7
95°	467.6	478.0	455.6	503.4	449.7	551.1	669.7	686.8	652.5	571.2	420.6
97.5°	388.5	381.8	372.9	413.9	372.1	434.0	512.3	525.0	503.4	443.0	334.8
100°	336.3	338.6	334.8	364.7	326.6	372.9	434.0	439.2	430.3	386.3	302.8
102.5°	325.9	326.6	333.3	353.5	309.5	343.0	395.2	398.2	396.0	354.2	279.6
105°	322.9	322.1	325.9	347.5	302.0	313.9	363.9	365.4	357.9	329.6	261.7
107.5°	305.0	307.2	306.5	325.9	296.8	298.3	330.4	329.6	328.1	302.0	247.6
110°	349.7	346.0	330.4	331.1	302.8	310.2	342.3	338.6	331.1	315.4	269.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	497.4	487.0	469.1	410.1	380.3	401.2	*422.8*	426.5	418.3	404.2	341.5
115°	551.8	550.3	530.2	491.4	393.0	400.4	*414.6*	420.6	430.3	402.7	349.7
117.5°	452.6	477.3	445.9	451.2	395.2	347.5	*345.3*	333.3	338.6	335.6	323.6
120°	571.2	575.7	512.3	500.4	461.6	477.3	*478.0*	479.5	463.8	388.5	342.3
122.5°	803.1	803.1	821.0	853.8	833.7	805.4	*789.0*	772.6	750.9	679.3	580.9
125°	1018.6	1017.2	1007.5	1023.9	1003.7	1014.9	*1020.1*	1024.6	1001.5	914.2	780.0
127.5°	821.0	841.9	877.0	965.7	909.8	894.1	*879.2*	889.6	872.5	856.1	772.6
130°	636.1	638.3	695.8	752.4	748.0	698.0	*680.8*	651.0	657.7	655.5	605.5
132.5°	543.6	546.6	580.2	612.2	639.1	602.5	*569.0*	553.3	558.5	554.8	522.7
135°	475.0	475.0	463.1	459.4	481.7	515.3	*511.6*	491.4	481.7	470.5	422.8
137.5°	410.9	409.4	387.8	375.8	393.7	437.0	*440.0*	440.0	430.3	403.4	369.1
140°	338.6	336.3	325.1	327.4	331.8	360.9	*363.2*	369.9	368.4	346.8	305.0
142.5°	256.5	257.3	273.7	292.3	302.8	365.4	*355.7*	348.2	372.1	370.6	266.2
145°	342.3	334.8	334.8	326.6	351.2	413.1	*393.7*	399.7	431.0	401.9	287.8
147.5°	313.9	317.7	318.4	316.9	348.2	352.0	*337.8*	338.6	349.7	349.7	294.6
150°	243.1	237.1	238.6	241.6	274.4	272.2	*259.5*	258.8	267.7	265.5	240.9
152.5°	192.4	191.6	190.9	193.9	220.7	209.5	*204.3*	202.1	200.6	198.4	192.4
155°	181.2	180.5	179.0	182.7	198.4	193.1	*190.2*	190.2	186.4	182.7	179.0
157.5°	161.1	160.3	161.1	168.5	177.5	171.5	*170.8*	170.0	168.5	164.1	162.6
160°	150.6	149.9	151.4	157.3	161.1	155.9	*154.4*	155.1	154.4	152.1	155.1
162.5°	142.4	142.4	142.4	146.2	147.7	143.9	*143.2*	143.9	144.7	144.7	148.4
165°	138.0	138.0	138.7	140.9	140.9	139.4	*138.0*	138.0	141.7	143.2	146.2
167.5°	140.9	140.9	141.7	142.4	142.4	140.9	*140.9*	141.7	143.9	145.4	145.4
170°	145.4	145.4	145.4	146.2	145.4	143.2	*143.2*	143.2	143.9	143.9	144.7
172.5°	150.6	150.6	150.6	149.9	148.4	147.7	*146.2*	146.2	146.9	146.2	146.9
175°	158.1	157.3	157.3	156.6	155.9	155.1	*154.4*	153.6	153.6	151.4	151.4
177.5°	161.8	161.1	161.8	161.8	161.1	159.6	*158.1*	158.1	157.3	155.9	155.1
180°	155.9	155.9	155.9	155.9	155.9	155.9	*155.9*	155.9	155.9	155.9	155.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
2.5°	62.6	60.4	54.4	49.2	45.5	44.0	44.0	41.8	38.8	36.5	35.8
5°	82.8	81.3	79.0	76.1	69.4	60.4	52.9	50.0	48.5	47.7	47.0
7.5°	117.1	118.6	121.6	120.8	108.1	84.3	70.1	69.4	77.6	86.5	89.5
10°	151.4	149.9	159.6	167.8	136.5	95.5	72.3	70.1	81.3	96.9	99.2
12.5°	181.2	173.8	168.5	159.6	130.5	95.5	77.6	73.1	78.3	90.2	90.2
15°	203.6	193.9	172.3	151.4	125.3	98.4	80.5	77.6	77.6	73.8	74.6
17.5°	220.7	202.8	171.5	144.7	116.3	94.0	79.8	71.6	67.1	61.1	59.7
20°	240.9	228.2	186.4	149.1	114.8	91.0	77.6	67.9	62.6	60.4	59.7
22.5°	262.5	236.4	196.1	150.6	114.8	92.5	76.8	66.4	61.9	60.4	60.4
25°	264.7	242.4	201.3	156.6	118.6	95.5	78.3	67.1	62.6	61.1	60.4
27.5°	261.7	246.1	210.3	163.3	122.3	98.4	81.3	68.6	62.6	60.4	59.7
30°	272.9	260.3	220.7	167.8	126.0	102.2	84.3	71.6	64.1	59.7	58.9
32.5°	301.3	283.4	234.9	170.8	127.5	102.9	87.2	74.6	65.6	60.4	59.7
35°	375.8	359.4	289.3	181.2	127.5	104.4	89.5	76.8	67.1	61.1	60.4
37.5°	484.0	453.4	355.7	216.3	129.0	107.4	91.7	79.8	69.4	62.6	61.1
40°	513.1	433.3	302.0	193.9	132.0	110.4	95.5	82.8	72.3	64.9	64.1
42.5°	665.9	554.1	372.9	205.1	140.9	112.6	97.7	85.8	74.6	67.1	65.6
45°	712.9	554.8	378.8	237.1	165.5	122.3	101.4	88.0	76.1	68.6	67.9
47.5°	934.4	688.3	386.3	254.3	185.7	140.9	110.4	91.0	77.6	70.1	69.4
50°	1369.9	970.9	479.5	317.7	229.7	172.3	129.8	96.9	79.0	72.3	70.8
52.5°	1709.2	1164.8	519.8	388.5	305.0	227.4	163.3	112.6	83.5	73.8	72.3
55°	2083.5	1431.0	590.6	468.3	369.9	284.9	207.3	135.7	92.5	76.1	74.6
57.5°	2598.8	1708.4	693.5	552.6	448.9	332.6	236.4	158.8	104.4	81.3	78.3
60°	2912.0	1826.3	709.9	598.1	495.9	370.6	249.1	168.5	117.1	88.7	84.3
62.5°	3211.8	1907.5	714.4	616.0	507.1	378.1	250.6	164.1	121.6	99.2	93.2
65°	*3272.9*	*1827.0*	*715.9*	*619.7*	*493.7*	*358.7*	*242.4*	*159.6*	*116.3*	*108.1*	*108.9*
67.5°	3066.4	1622.7	663.7	592.8	457.9	319.9	217.7	152.9	114.8	106.6	108.9
70°	2410.9	1271.4	606.3	549.6	388.5	272.2	193.9	143.9	114.8	102.9	100.7
72.5°	1871.7	1086.5	621.2	522.0	332.6	243.1	175.2	134.2	111.1	102.2	100.7
75°	1452.7	906.8	612.2	459.4	271.4	208.8	157.3	123.0	105.9	100.7	99.9
77.5°	1061.9	715.1	506.3	352.0	225.2	177.5	138.7	115.6	102.9	98.4	97.7
80°	683.1	500.4	352.7	281.1	197.6	161.8	129.8	110.4	101.4	98.4	97.7
82.5°	575.7	454.1	317.7	266.2	190.9	164.8	135.7	115.6	106.6	103.7	102.9
85°	554.1	467.6	326.6	277.4	182.7	157.3	132.7	115.6	107.4	103.7	102.9
87.5°	526.5	422.8	322.1	255.0	176.0	151.4	130.5	118.6	110.4	108.1	107.4
90°	476.5	372.9	295.3	237.1	185.7	161.1	143.9	131.2	123.0	117.8	116.3
92.5°	401.9	299.8	253.5	234.2	203.6	182.7	165.5	154.4	145.4	140.2	138.0
95°	338.6	261.7	220.7	207.3	179.7	164.1	147.7	139.4	132.7	128.3	128.3
97.5°	275.9	224.5	205.1	194.6	172.3	155.1	141.7	133.5	131.2	129.8	129.0
100°	259.5	220.0	206.6	197.6	179.7	164.1	153.6	146.2	145.4	144.7	144.7
102.5°	240.9	208.1	193.1	184.2	166.3	152.9	145.4	139.4	137.2	135.0	132.7
105°	227.4	196.9	185.7	173.8	159.6	146.2	138.7	129.8	128.3	127.5	127.5
107.5°	220.7	195.4	189.4	170.8	157.3	151.4	142.4	131.2	129.0	126.0	126.0
110°	243.8	217.0	199.9	176.7	162.6	157.3	155.1	145.4	138.0	129.0	128.3

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

Scaled Data Report

REPORT NUMBER: P1046553
CATALOG NUMBER: FFX-CLB-80-727-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	302.0	265.5	245.3	211.0	182.0	169.3	159.6	149.1	144.7	138.7	136.5
115°	325.1	287.8	262.5	228.2	194.6	172.3	158.1	156.6	152.1	148.4	152.1
117.5°	333.3	261.7	216.3	208.1	182.7	164.8	158.1	155.9	157.3	157.3	150.6
120°	359.4	282.6	265.5	255.0	207.3	178.2	163.3	170.8	169.3	160.3	160.3
122.5°	536.2	478.7	422.1	352.0	292.3	258.0	207.3	173.8	167.0	161.1	157.3
125°	706.2	654.7	566.0	472.8	369.9	273.7	205.8	182.0	169.3	161.8	163.3
127.5°	719.6	665.2	563.8	449.7	330.4	255.8	207.3	186.4	172.3	164.1	162.6
130°	562.3	523.5	447.4	363.9	280.4	228.9	191.6	170.8	158.1	150.6	149.1
132.5°	497.4	464.6	385.5	312.5	255.8	212.5	180.5	157.3	148.4	143.2	142.4
135°	397.5	369.9	316.9	277.4	237.9	202.1	170.0	148.4	140.2	139.4	138.0
137.5°	348.2	325.9	284.9	252.1	219.2	184.9	158.1	140.2	136.5	137.2	135.0
140°	284.1	274.4	251.3	223.0	187.9	152.1	133.5	127.5	133.5	136.5	136.5
142.5°	243.8	231.2	205.1	172.3	149.9	133.5	131.2	129.0	132.0	133.5	133.5
145°	224.5	209.5	187.9	176.0	165.5	151.4	139.4	129.0	126.0	126.8	126.8
147.5°	253.5	236.4	222.2	199.9	174.5	150.6	132.7	120.8	120.8	123.8	124.5
150°	210.3	195.4	185.7	173.0	153.6	134.2	121.6	115.6	117.8	123.8	124.5
152.5°	176.0	158.1	152.1	144.7	134.2	123.8	117.8	114.8	118.6	123.0	123.0
155°	171.5	155.9	148.4	140.9	131.2	122.3	117.1	115.6	119.3	122.3	123.0
157.5°	161.1	152.1	142.4	136.5	129.0	122.3	118.6	117.1	120.1	122.3	123.0
160°	155.1	149.9	138.7	133.5	126.8	122.3	121.6	121.6	123.0	123.8	123.8
162.5°	148.4	145.4	138.7	134.2	129.8	127.5	129.0	129.8	129.8	129.0	129.0
165°	146.2	144.7	138.7	135.0	132.7	133.5	136.5	137.2	135.0	133.5	133.5
167.5°	145.4	145.4	140.9	138.0	137.2	138.7	141.7	141.7	139.4	136.5	135.7
170°	145.4	146.2	144.7	144.7	143.2	143.9	144.7	144.7	143.2	141.7	140.9
172.5°	147.7	147.7	147.7	147.7	146.9	147.7	148.4	148.4	148.4	147.7	147.7
175°	151.4	151.4	151.4	150.6	149.9	149.9	150.6	151.4	152.1	152.1	152.1
177.5°	155.1	154.4	153.6	154.4	153.6	153.6	155.1	155.9	156.6	156.6	156.6
180°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

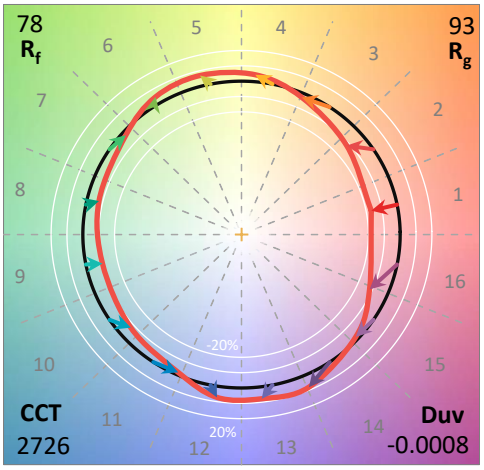
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

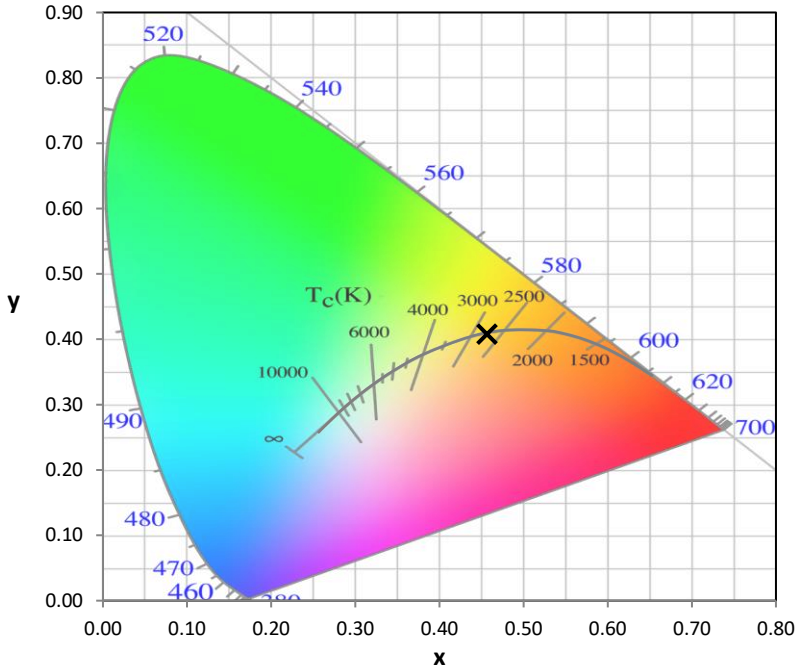
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

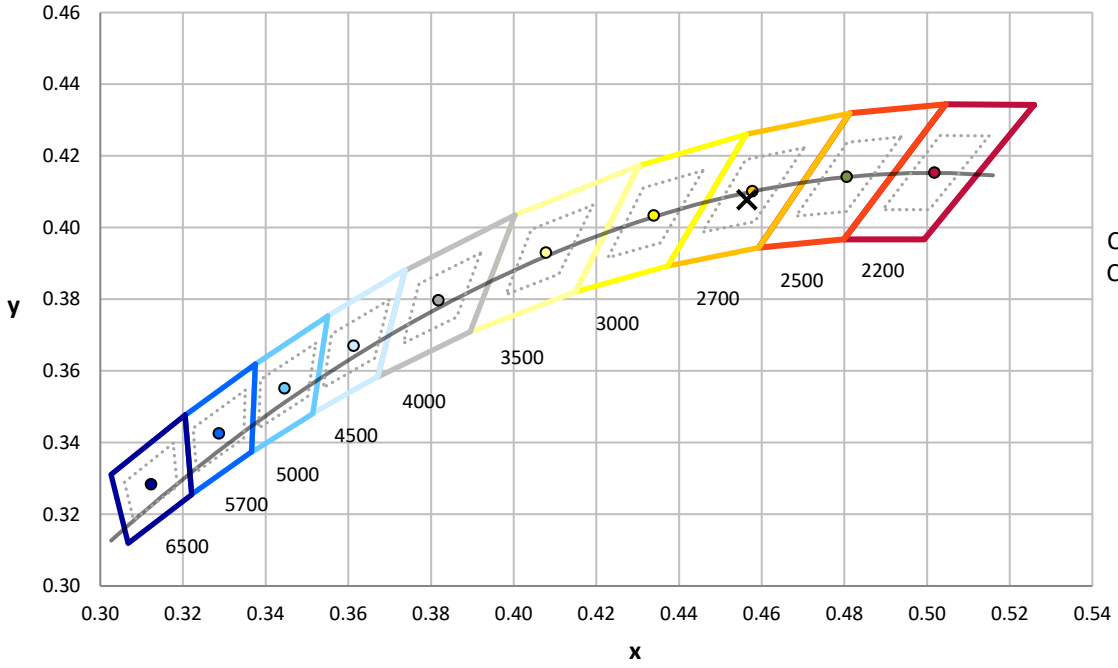
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

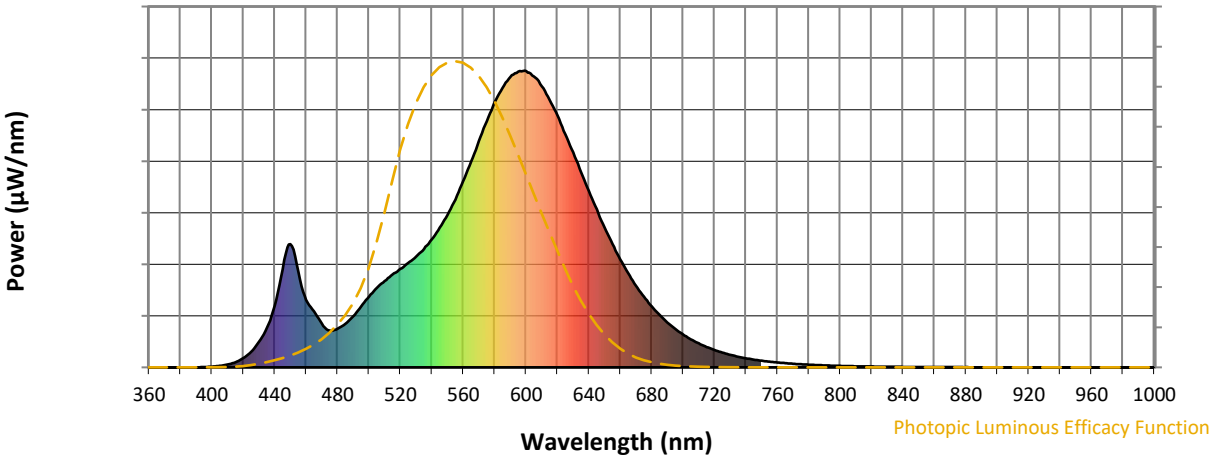


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

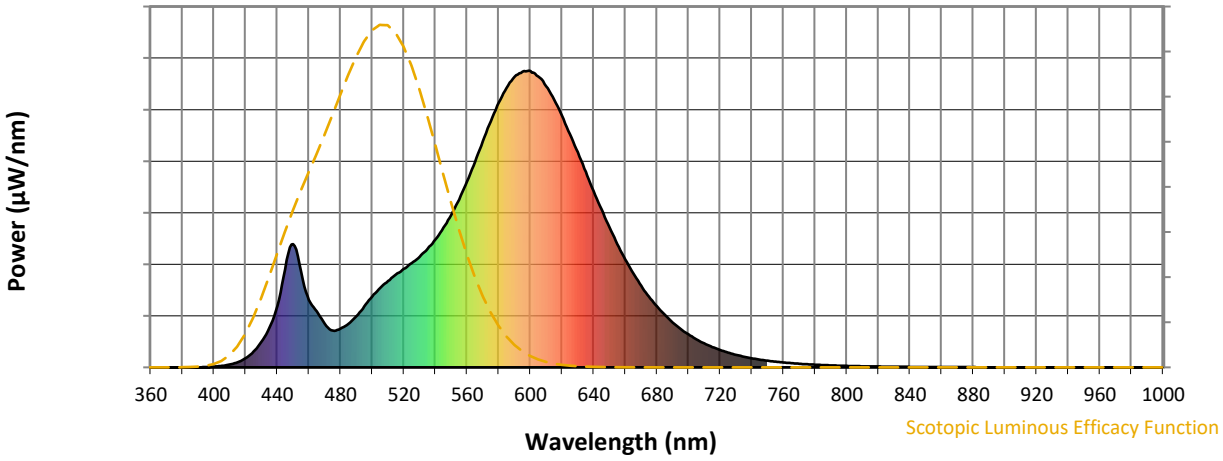


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

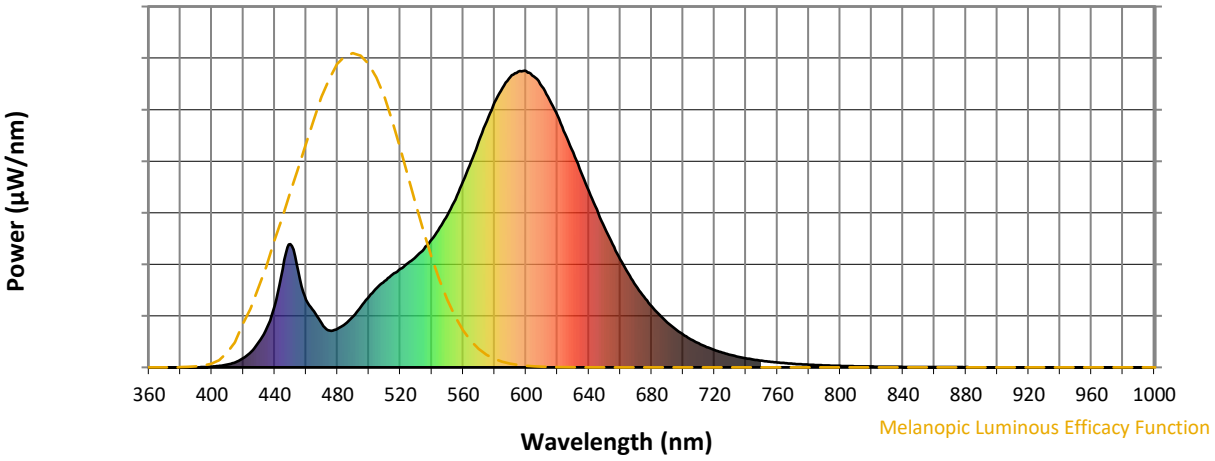


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

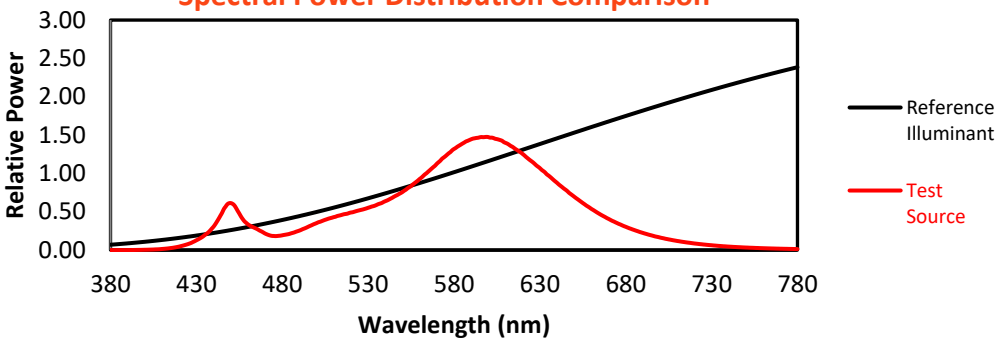
REPORT NUMBER: SP1-2501-332-3

TM-30-18

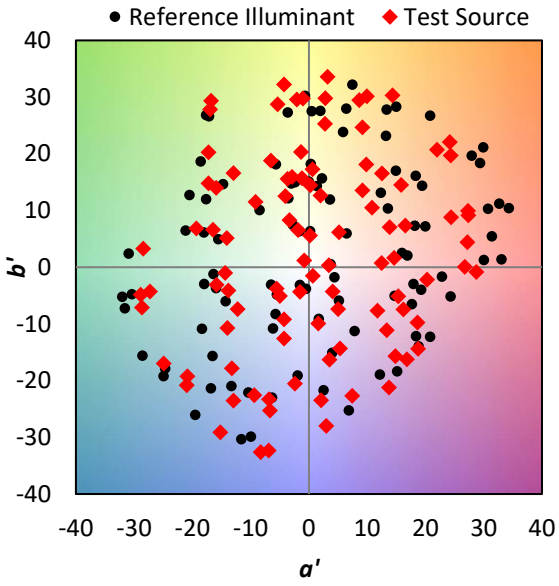
Summary

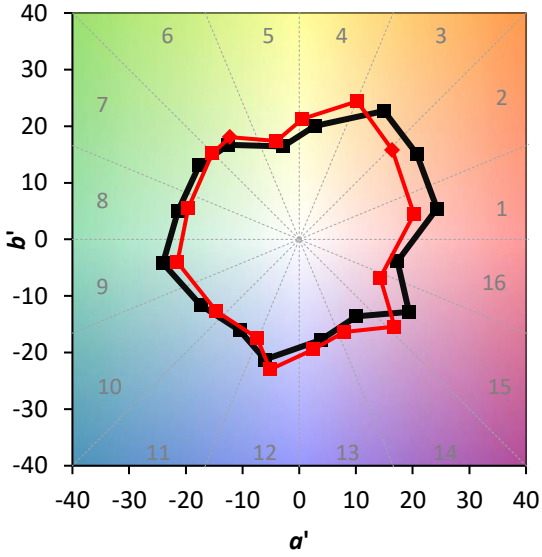
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

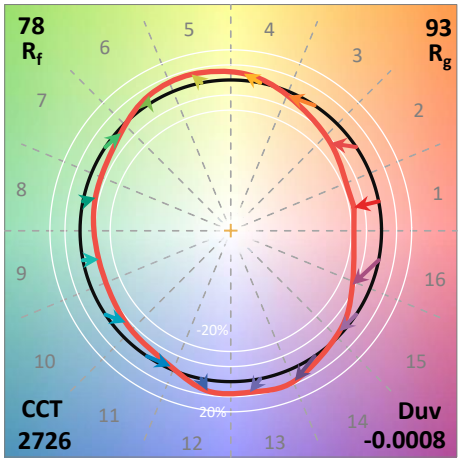
Spectral Power Distribution Comparison

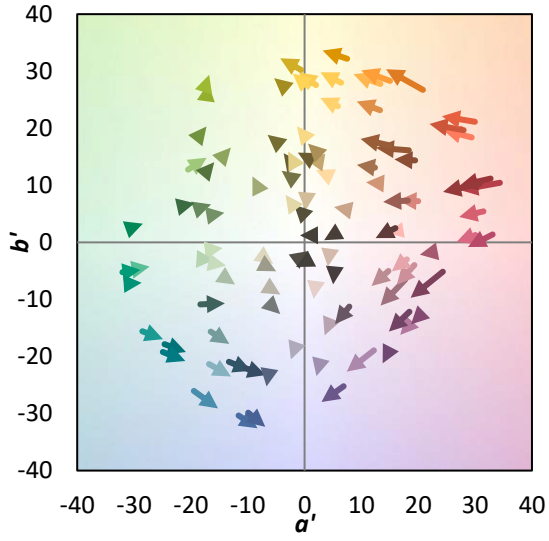


Color Vector Graphics







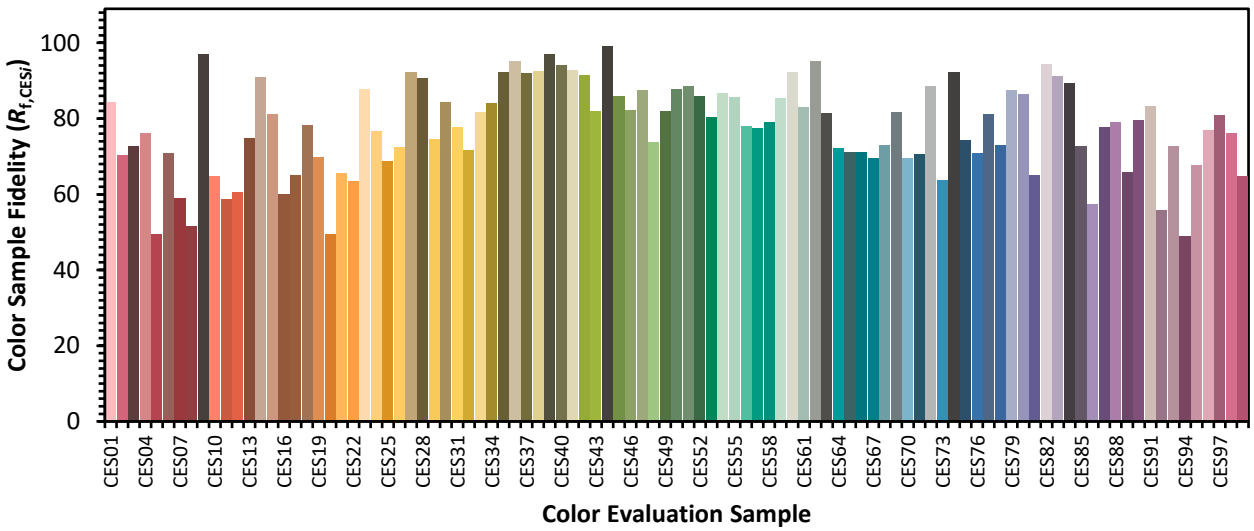


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

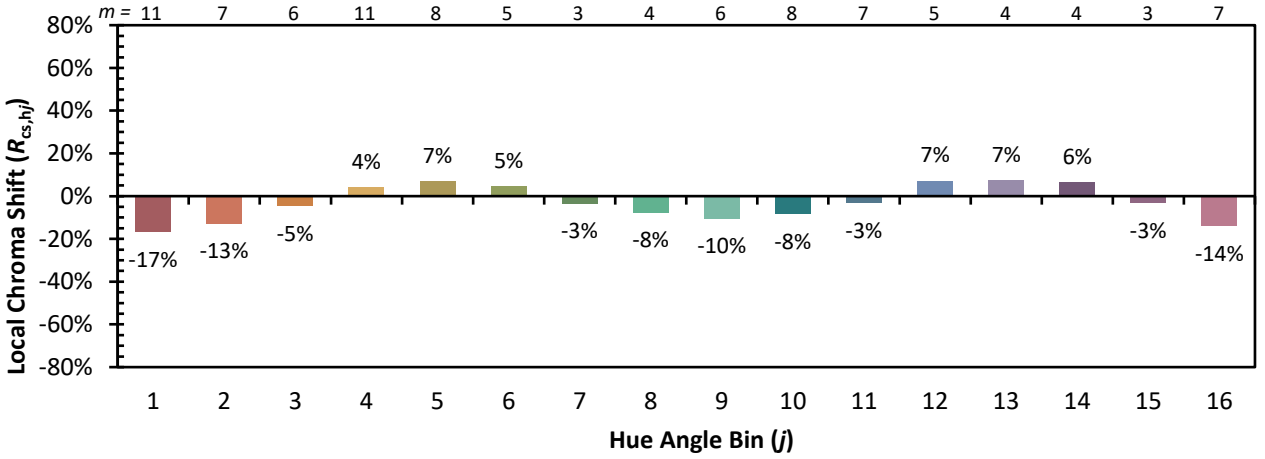
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

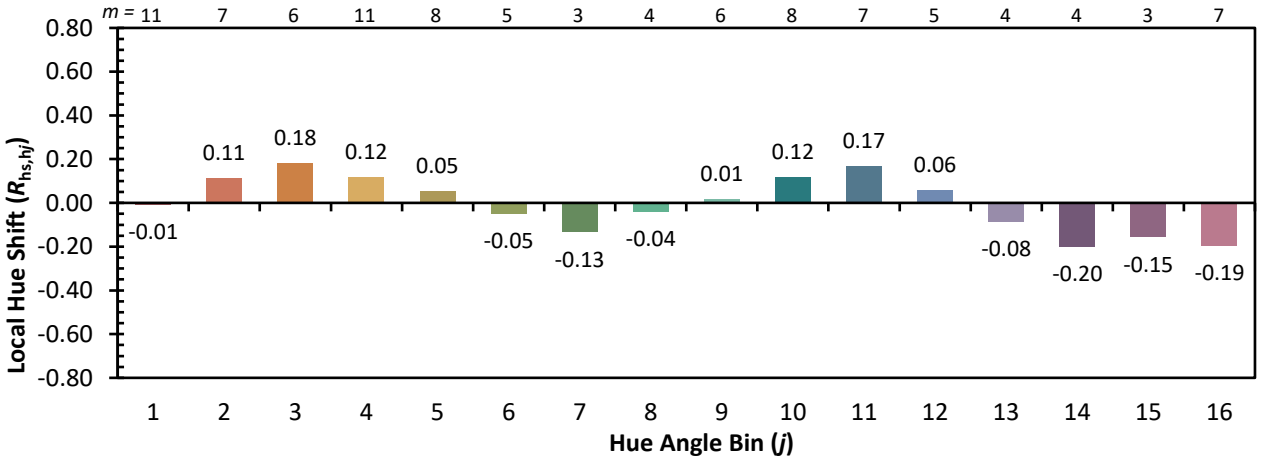


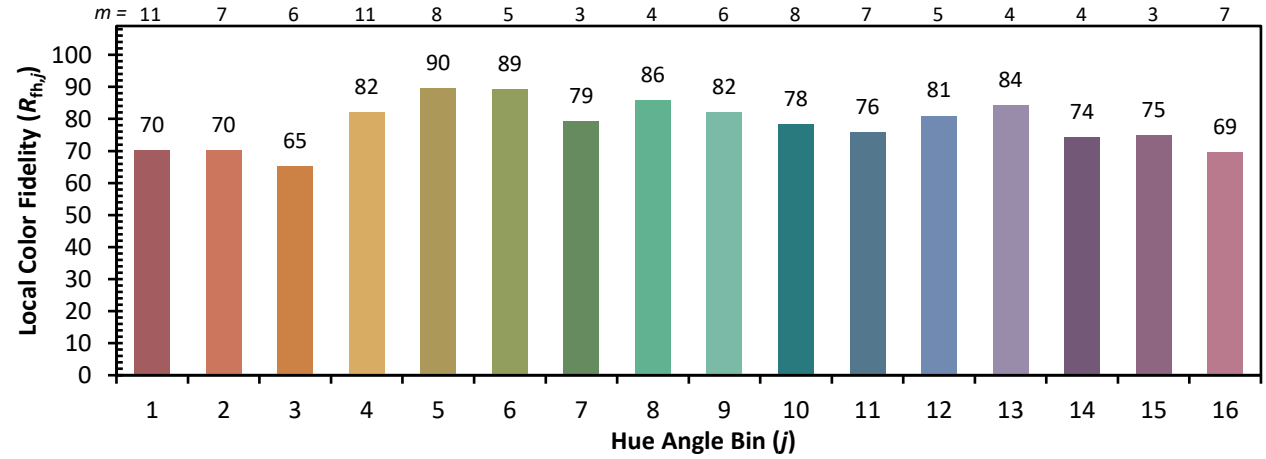
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



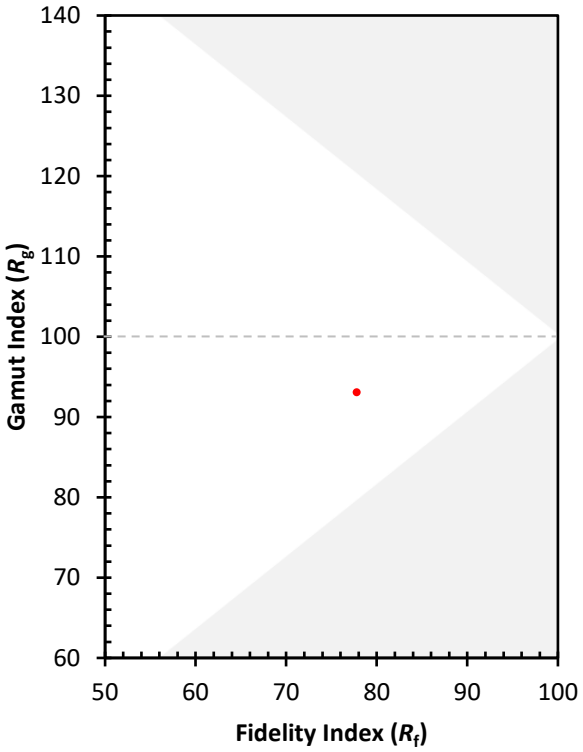


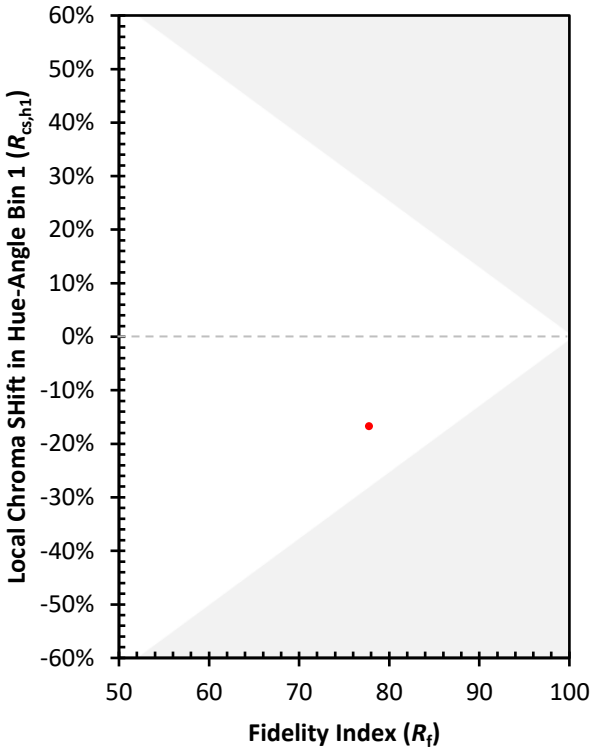


REPORT NUMBER: SP1-2501-332-3

TM-30-18

Measure Comparisons





(END OF REPORT)