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: P1045743

Luminaire Tested: **FFX-CLB-80-727-U-FR-T5-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:	P1045743
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-T5-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7749.5 lumens
Efficiency:	N/A
Efficacy:	94.7 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):	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

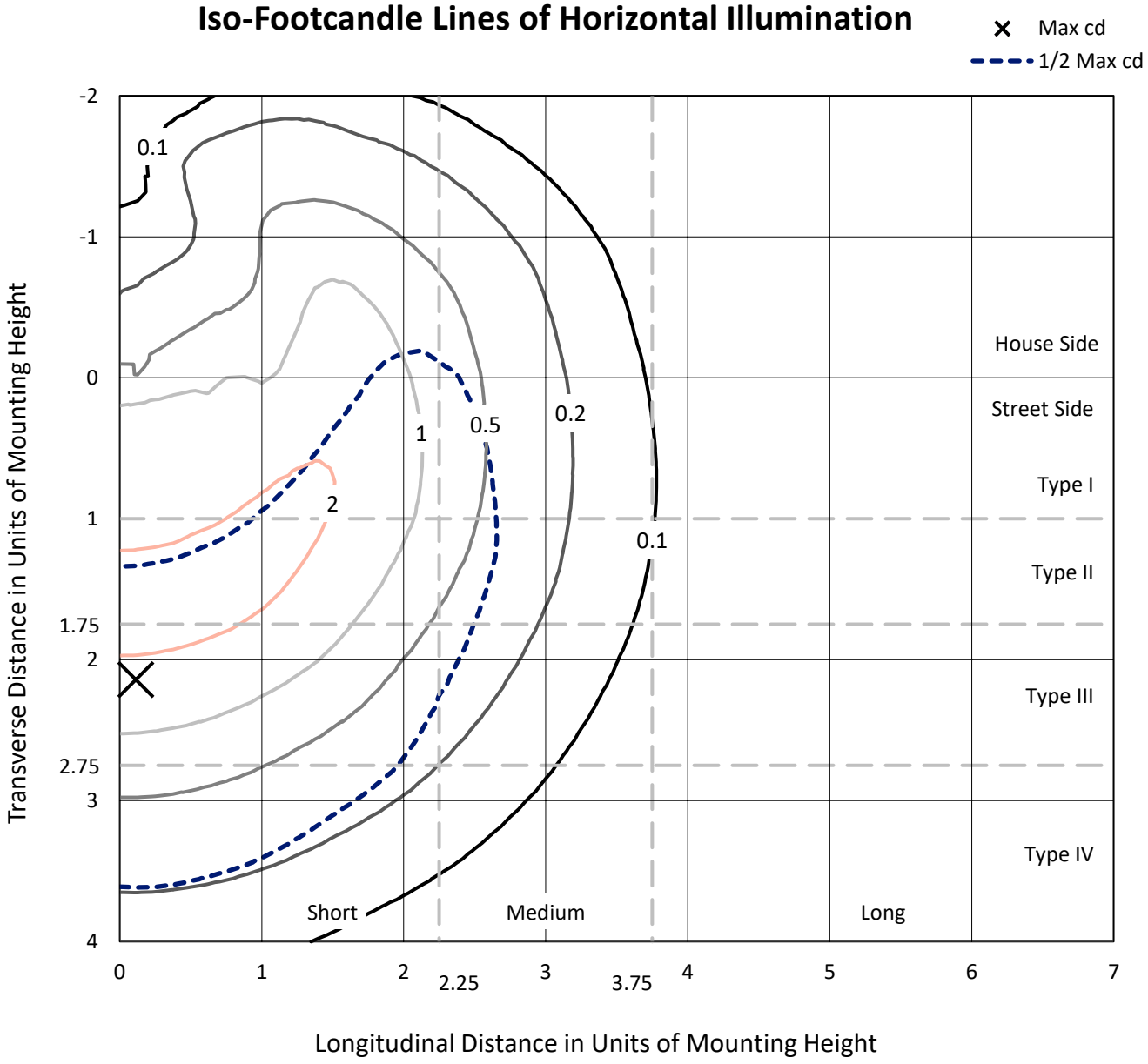


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Iso-Footcandle Lines of Horizontal Illumination



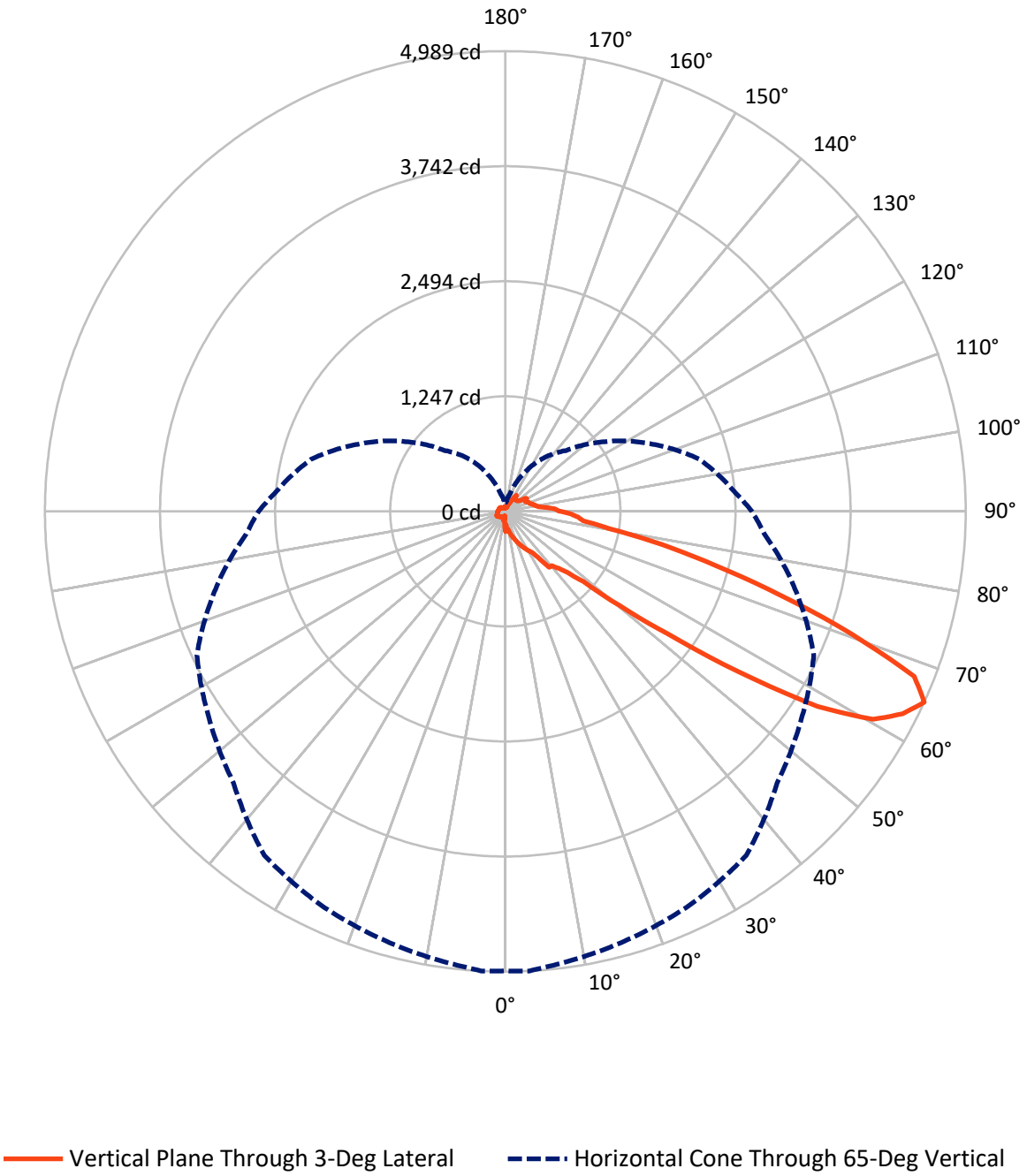
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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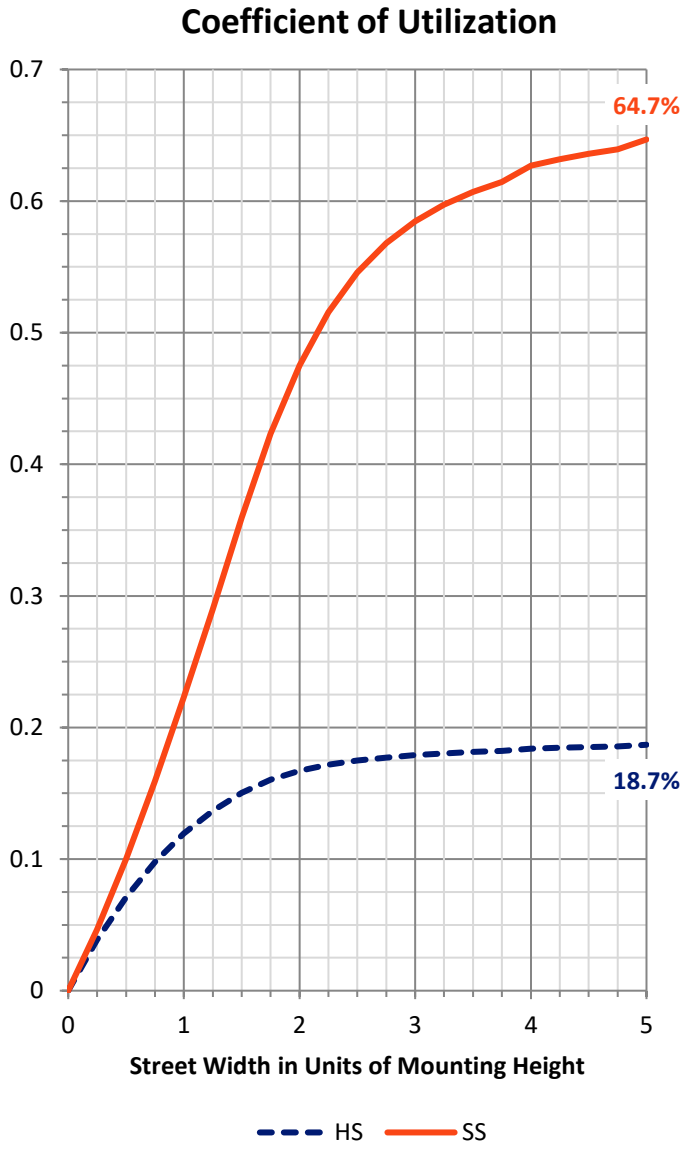
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1499.3	326.0	1825.3
	% Fixture	19.3	4.2	23.6
Street Side	Lumens	5228.1	696.1	5924.2
	% Fixture	67.5	9.0	76.4
Total	Lumens	6727.4	1022.1	7749.5
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.2
10°-20°	52.8	0.7
20°-30°	117.8	1.5
30°-40°	238.1	3.1
40°-50°	478.3	6.2
50°-60°	1534.9	19.8
60°-70°	2448.2	31.6
70°-80°	1331.8	17.2
80°-90°	511.7	6.6
90°-100°	305.0	3.9
100°-110°	202.4	2.6
110°-120°	161.3	2.1
120°-130°	134.4	1.7
130°-140°	92.6	1.2
140°-150°	74.8	1.0
150°-160°	33.4	0.4
160°-170°	13.6	0.2
170°-180°	4.6	0.1
0°-90°	6727.4	86.8
0°-180°	7749.5	100.0



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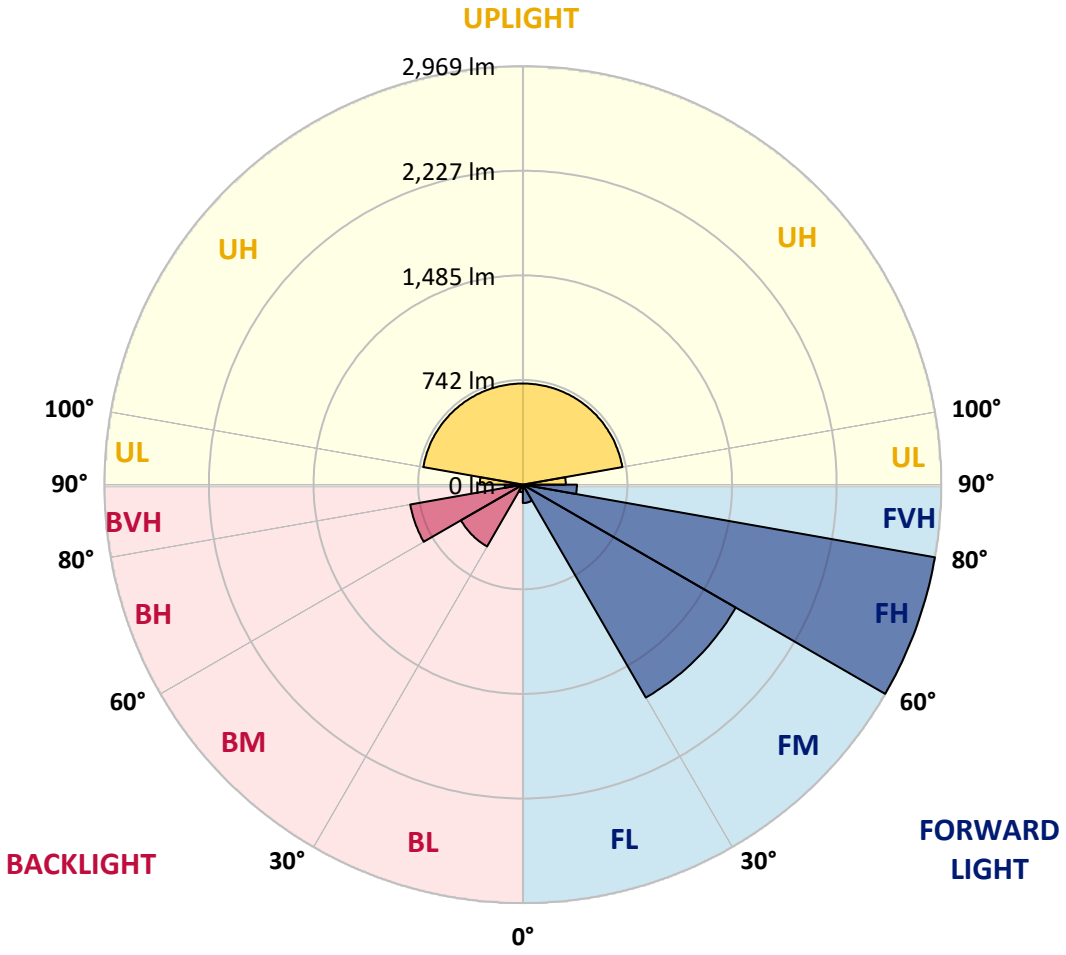
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	130.7	1.7			
FM	(30°-60°)	1744.7	22.5			
FH	(60°-80°)	2969.1	38.3			G2/5000
FVH	(80°-90°)	383.6	5.0			G3/500
BL	(0°-30°)	53.8	0.7	B0/110		
BM	(30°-60°)	506.6	6.5	B1/1000		
BH	(60°-80°)	810.8	10.5	B2/1000		G2/1000
BVH	(80°-90°)	128.1	1.7			G2/225
UL	(90°-100°)	305.0	3.9		U3/500	
UH	(100°-180°)	717.0	9.3		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0
2.5°	141.6	140.7	143.3	155.8	187.9	198.6	189.6	174.5	171.8	187.9	200.3
5°	193.2	191.4	189.6	177.2	164.7	171.0	188.8	193.2	175.4	142.5	121.1
7.5°	195.9	194.1	195.0	195.0	192.3	180.7	167.4	173.6	188.8	168.3	132.7
10°	218.1	217.2	217.2	216.4	213.7	210.1	209.2	195.9	172.7	154.9	147.8
12.5°	254.6	254.6	253.8	252.9	250.2	244.0	235.9	225.3	218.1	196.8	174.5
15°	284.0	281.4	283.1	280.5	276.0	272.5	262.7	251.1	229.7	215.5	195.9
17.5°	312.5	312.5	313.4	309.0	303.6	300.9	290.3	275.1	254.6	229.7	211.0
20°	348.1	345.5	345.5	341.0	334.8	325.9	316.1	302.7	285.8	252.0	227.0
22.5°	382.0	382.9	382.9	375.7	365.9	357.9	344.6	328.5	312.5	277.8	245.7
25°	420.3	419.4	418.5	417.6	407.8	393.5	376.6	359.7	348.1	314.3	269.8
27.5°	455.9	454.1	453.2	457.6	448.7	434.5	409.6	389.1	376.6	341.9	292.0
30°	495.0	494.2	494.2	495.9	492.4	470.1	443.4	419.4	401.6	366.8	313.4
32.5°	529.8	528.0	528.9	536.0	535.1	506.6	482.6	453.2	430.9	403.3	344.6
35°	615.2	611.7	617.0	627.7	635.7	605.5	572.5	527.1	493.3	464.8	404.2
37.5°	769.3	770.2	771.9	757.7	727.4	705.2	689.1	652.6	610.8	562.7	491.5
40°	775.5	774.6	779.1	800.4	812.9	774.6	737.2	694.5	683.8	642.8	552.0
42.5°	847.6	842.3	846.7	867.2	884.1	861.0	828.0	755.9	716.7	680.2	605.5
45°	950.9	944.7	952.7	956.3	952.7	927.8	933.1	874.3	837.8	763.9	659.8
47.5°	1108.5	1137.0	1141.5	1142.3	1178.0	1144.1	1122.8	1066.7	983.9	895.7	777.3
50°	1556.4	1602.7	1586.6	1571.5	1574.2	1548.3	1519.0	1441.5	1330.2	1181.5	1012.3
52.5°	2221.5	2203.7	2206.3	2216.1	2241.1	2126.2	2076.3	1959.7	1779.8	1601.8	1357.8
55°	3035.3	3065.5	3063.8	3095.8	3091.4	2967.6	2810.0	2614.1	2352.4	2091.5	1803.0
57.5°	4041.4	3988.0	3952.3	3893.6	3842.8	3674.5	3570.4	3358.5	3012.1	2620.4	2250.0
60°	4605.9	4576.5	4567.6	4486.6	4417.1	4210.5	3996.0	3766.3	3495.6	3032.6	2612.3
62.5°	4817.8	4832.0	4819.6	4767.0	4720.7	4540.0	4179.4	3929.2	3687.0	3241.8	2799.3
65°	4980.7	4988.7	4960.2	4840.9	4714.5	4552.5	4164.3	3917.6	3687.9	3249.8	2817.1
67.5°	4781.3	4779.5	4757.2	4585.4	4371.7	4211.4	3858.9	3593.5	3398.5	3032.6	2615.0
70°	3970.2	3975.5	3979.9	3853.5	3619.3	3500.0	3143.0	2915.1	2746.8	2430.7	2130.7
72.5°	3108.3	3124.3	3131.4	3032.6	2859.0	2736.1	2497.5	2326.5	2169.8	1918.7	1682.8
75°	2338.1	2354.1	2349.7	2288.2	2166.3	2132.4	2016.7	1870.7	1739.8	1544.8	1345.3
77.5°	1754.0	1740.7	1737.1	1677.5	1557.3	1566.2	1533.2	1449.5	1348.0	1233.2	1094.3
80°	1161.9	1150.4	1127.2	1147.7	1137.9	1109.4	1055.1	1012.3	972.3	903.7	828.0
82.5°	854.8	851.2	846.7	833.4	824.5	817.4	793.3	724.8	676.7	637.5	592.1
85°	799.6	788.9	790.6	767.5	739.9	715.0	696.3	666.9	629.5	568.1	502.2
87.5°	698.0	698.0	692.7	676.7	649.1	642.8	629.5	609.0	586.8	539.6	480.8
90°	580.5	577.0	577.0	576.1	569.8	565.4	539.6	520.9	511.1	463.9	422.9
92.5°	536.0	534.2	530.7	526.2	508.4	504.8	479.0	455.0	433.6	404.2	372.2
95°	435.4	439.0	430.9	430.0	421.1	415.8	395.3	383.7	369.5	345.5	316.1
97.5°	367.7	362.4	363.3	355.3	346.4	342.8	330.3	313.4	300.1	281.4	260.0
100°	337.4	336.6	334.8	328.5	316.1	308.1	294.7	278.7	265.3	248.4	230.6
102.5°	317.9	317.0	316.1	310.7	296.5	292.0	279.6	267.1	255.5	240.4	217.2
105°	298.3	297.4	295.6	289.4	280.5	276.0	264.4	257.3	245.7	232.4	210.1
107.5°	280.5	280.5	279.6	272.5	267.1	263.5	252.0	245.7	233.3	221.7	200.3
110°	271.6	271.6	270.7	265.3	254.6	249.3	238.6	230.6	219.0	207.5	190.5

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	261.8	*262.7*	262.7	264.4	238.6	228.8	219.9	213.7	203.9	193.2	179.0
115°	239.5	*240.4*	239.5	248.4	239.5	226.2	220.8	210.1	197.7	180.7	165.6
117.5°	241.3	*241.3*	243.1	247.5	243.1	230.6	219.0	205.7	195.0	178.1	164.7
120°	273.3	*271.6*	271.6	262.7	260.9	249.3	241.3	227.0	209.2	192.3	173.6
122.5°	262.7	*261.8*	262.7	248.4	247.5	244.9	242.2	239.5	216.4	206.6	182.5
125°	210.1	*208.3*	207.5	202.1	211.0	204.8	203.0	209.2	194.1	185.2	171.8
127.5°	187.9	*186.1*	185.2	183.4	188.8	178.1	176.3	178.1	166.5	155.8	147.8
130°	179.9	*177.2*	177.2	183.4	191.4	182.5	172.7	165.6	161.2	154.0	140.7
132.5°	170.1	*170.1*	171.0	179.0	193.2	183.4	165.6	151.4	149.6	150.5	144.2
135°	167.4	*166.5*	167.4	164.7	163.8	158.5	150.5	138.9	136.2	143.3	136.2
137.5°	171.8	*171.0*	170.1	162.9	154.9	150.5	148.7	141.6	134.4	130.0	122.9
140°	170.1	*170.1*	169.2	167.4	162.0	153.1	151.4	144.2	137.1	129.1	120.2
142.5°	172.7	*175.4*	177.2	179.0	177.2	167.4	157.6	146.0	138.0	133.6	123.8
145°	212.8	*212.8*	212.8	209.2	203.0	195.0	187.9	179.9	173.6	159.4	146.0
147.5°	176.3	*176.3*	175.4	176.3	176.3	172.7	171.8	169.2	170.1	162.9	149.6
150°	122.0	*124.7*	124.7	129.1	130.9	129.1	129.1	130.9	128.2	127.3	120.2
152.5°	98.8	*97.9*	96.2	97.9	97.9	98.8	98.8	97.1	96.2	96.2	91.7
155°	87.3	*87.3*	87.3	86.4	84.6	85.5	86.4	86.4	83.7	81.9	78.4
157.5°	69.4	*68.6*	68.6	70.3	70.3	70.3	70.3	70.3	70.3	71.2	72.1
160°	58.8	*57.0*	57.9	57.9	58.8	59.7	58.8	59.7	59.7	60.5	59.7
162.5°	48.1	*47.2*	47.2	48.1	49.0	49.9	50.8	50.8	51.6	53.4	54.3
165°	42.7	*42.7*	42.7	43.6	43.6	44.5	45.4	46.3	48.1	50.8	51.6
167.5°	40.1	*40.1*	40.1	40.1	41.0	41.8	43.6	46.3	48.1	50.8	50.8
170°	39.2	*39.2*	40.1	40.1	40.1	41.0	44.5	47.2	48.1	49.0	49.0
172.5°	41.0	*41.0*	41.0	41.0	41.0	42.7	47.2	48.1	48.1	48.1	49.0
175°	42.7	*42.7*	41.8	41.8	42.7	43.6	44.5	49.0	50.8	51.6	53.4
177.5°	40.1	*40.1*	40.1	41.0	41.0	41.8	42.7	44.5	44.5	46.3	49.0
180°	44.5	*44.5*	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0
2.5°	209.2	224.4	205.7	186.1	171.8	179.9	188.8	181.6	173.6	174.5	159.4
5°	125.5	129.1	130.9	114.0	94.4	105.1	128.2	120.2	92.6	51.6	44.5
7.5°	121.1	115.7	114.0	126.4	114.9	76.6	59.7	54.3	72.1	86.4	90.8
10°	143.3	137.1	123.8	101.5	89.9	84.6	82.8	79.2	68.6	53.4	50.8
12.5°	164.7	157.6	145.1	134.4	119.3	99.7	87.3	83.7	89.9	100.6	100.6
15°	186.1	176.3	160.3	146.0	134.4	113.1	97.1	82.8	81.0	83.7	83.7
17.5°	201.2	190.5	171.8	152.3	131.8	111.3	92.6	78.4	72.1	70.3	70.3
20°	216.4	206.6	184.3	162.9	138.0	114.0	92.6	77.5	70.3	67.7	66.8
22.5°	235.9	223.5	198.6	175.4	145.1	115.7	91.7	78.4	70.3	65.9	65.0
25°	258.2	244.0	215.5	187.9	152.3	117.5	92.6	79.2	71.2	65.9	65.0
27.5°	276.0	260.9	233.3	202.1	161.2	122.0	96.2	81.0	72.1	66.8	65.9
30°	296.5	280.5	249.3	217.2	171.8	129.1	103.3	86.4	75.7	68.6	68.6
32.5°	327.7	306.3	271.6	231.5	182.5	137.1	111.3	92.6	79.2	73.9	73.9
35°	378.4	357.0	310.7	259.1	194.1	145.1	117.5	98.8	83.7	76.6	76.6
37.5°	459.4	427.4	375.7	304.5	212.8	151.4	124.7	103.3	86.4	76.6	74.8
40°	506.6	471.0	406.0	338.3	235.9	159.4	130.0	106.8	88.1	77.5	76.6
42.5°	559.2	518.2	434.5	347.2	251.1	178.1	138.0	110.4	89.9	80.1	78.4
45°	614.4	575.2	499.5	394.4	286.7	203.9	151.4	117.5	95.3	83.7	81.9
47.5°	715.0	666.9	568.9	461.2	339.2	244.9	180.7	129.1	101.5	87.3	85.5
50°	941.1	896.6	760.4	599.2	422.9	303.6	226.2	153.1	111.3	89.9	87.3
52.5°	1247.4	1168.2	1014.1	812.0	590.3	425.6	301.8	206.6	126.4	92.6	88.1
55°	1692.6	1604.4	1376.5	1113.0	808.5	617.9	456.8	310.7	179.9	95.3	87.3
57.5°	2135.1	2028.3	1836.8	1476.2	1086.2	788.0	610.8	455.0	261.8	106.8	89.9
60°	2452.1	2322.1	2085.2	1754.9	1317.7	926.9	690.0	495.9	291.2	109.5	92.6
62.5°	2639.1	2476.1	2178.7	1784.3	1372.9	984.7	722.1	468.3	250.2	106.8	96.2
65°	*2672.9*	*2487.7*	*2178.7*	*1733.5*	*1316.0*	*934.0*	*698.0*	*432.7*	*197.7*	*102.4*	*98.8*
67.5°	2478.8	2306.1	2045.2	1592.0	1167.3	802.2	601.0	356.1	150.5	98.8	97.9
70°	2034.5	1904.5	1691.7	1300.8	947.4	652.6	478.1	274.2	122.0	94.4	92.6
72.5°	1587.5	1467.3	1308.0	1020.4	732.8	517.3	365.1	214.6	108.6	90.8	89.9
75°	1249.2	1159.3	1027.5	805.8	551.1	391.8	276.9	162.0	97.9	89.0	87.3
77.5°	1022.1	963.4	827.2	615.2	411.3	291.2	206.6	129.1	93.5	87.3	86.4
80°	795.1	746.1	660.7	460.3	294.7	219.0	162.9	114.0	90.8	86.4	85.5
82.5°	567.2	550.2	478.1	357.9	245.7	187.9	146.9	109.5	89.9	85.5	84.6
85°	473.7	449.6	396.2	310.7	226.2	179.0	140.7	107.7	89.9	85.5	84.6
87.5°	457.6	436.3	387.3	296.5	212.8	168.3	134.4	104.2	88.1	83.7	83.7
90°	404.2	382.9	345.5	267.1	195.9	156.7	125.5	98.8	84.6	80.1	80.1
92.5°	357.9	345.5	309.8	244.9	187.9	150.5	121.1	96.2	82.8	79.2	78.4
95°	302.7	292.0	264.4	220.8	176.3	143.3	117.5	93.5	81.0	77.5	77.5
97.5°	251.1	242.2	220.8	187.0	152.3	127.3	106.0	88.1	78.4	75.7	75.7
100°	221.7	214.6	195.9	168.3	140.7	119.3	102.4	87.3	77.5	73.9	73.9
102.5°	210.1	203.0	184.3	159.4	133.6	114.0	99.7	85.5	76.6	73.0	72.1
105°	201.2	194.1	177.2	151.4	126.4	108.6	94.4	83.7	74.8	72.1	71.2
107.5°	192.3	184.3	168.3	142.5	120.2	103.3	90.8	81.0	73.9	71.2	71.2
110°	182.5	175.4	160.3	135.3	115.7	99.7	89.0	80.1	73.9	71.2	71.2

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

Scaled Data Report

REPORT NUMBER: P1045743
CATALOG NUMBER: FFX-CLB-80-727-U-FR-T5-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	171.8	164.7	150.5	128.2	111.3	97.1	87.3	79.2	73.9	71.2	71.2
115°	159.4	153.1	139.8	121.1	106.0	93.5	84.6	77.5	72.1	70.3	70.3
117.5°	155.8	148.7	135.3	118.4	104.2	90.8	82.8	75.7	71.2	69.4	69.4
120°	163.8	154.0	139.8	123.8	104.2	89.0	81.0	74.8	70.3	68.6	68.6
122.5°	174.5	166.5	150.5	121.1	100.6	87.3	79.2	73.9	69.4	68.6	68.6
125°	164.7	159.4	144.2	112.2	97.1	85.5	78.4	73.9	70.3	68.6	68.6
127.5°	144.2	138.9	127.3	106.8	93.5	83.7	77.5	73.9	71.2	68.6	68.6
130°	136.2	129.1	118.4	102.4	89.9	81.0	76.6	73.9	71.2	67.7	66.8
132.5°	139.8	133.6	116.6	96.2	84.6	77.5	73.9	72.1	66.8	63.2	62.3
135°	131.8	125.5	108.6	91.7	81.9	76.6	73.0	67.7	62.3	57.9	57.9
137.5°	117.5	110.4	100.6	88.1	81.0	78.4	73.9	66.8	59.7	56.1	56.1
140°	116.6	108.6	99.7	87.3	79.2	72.1	66.8	59.7	54.3	52.5	51.6
142.5°	118.4	113.1	100.6	86.4	75.7	66.8	60.5	55.2	51.6	49.0	49.0
145°	137.1	129.1	113.1	94.4	81.9	71.2	62.3	55.2	49.9	45.4	44.5
147.5°	141.6	133.6	119.3	103.3	87.3	73.9	61.4	52.5	45.4	41.8	41.0
150°	118.4	113.1	105.1	92.6	78.4	65.0	54.3	46.3	41.8	40.1	39.2
152.5°	89.9	88.1	82.8	73.9	64.1	55.2	48.1	43.6	41.0	40.1	39.2
155°	76.6	75.7	70.3	63.2	55.2	49.0	44.5	41.8	40.1	40.1	39.2
157.5°	71.2	69.4	65.0	57.9	50.8	47.2	42.7	41.0	40.1	40.1	40.1
160°	59.7	57.9	54.3	51.6	47.2	44.5	41.8	41.0	40.1	40.1	39.2
162.5°	53.4	51.6	49.9	47.2	46.3	45.4	44.5	42.7	41.8	41.0	41.0
165°	50.8	49.9	47.2	46.3	46.3	47.2	47.2	45.4	43.6	41.8	41.8
167.5°	49.9	49.0	47.2	46.3	48.1	49.0	49.9	48.1	46.3	43.6	42.7
170°	49.9	49.9	49.0	48.1	49.0	49.9	50.8	50.8	49.9	48.1	48.1
172.5°	49.9	50.8	49.9	49.9	49.9	49.9	49.9	51.6	51.6	50.8	50.8
175°	53.4	53.4	50.8	49.9	50.8	51.6	52.5	51.6	51.6	52.5	52.5
177.5°	49.0	50.8	54.3	55.2	57.0	57.0	55.2	54.3	51.6	50.8	50.8
180°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5

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

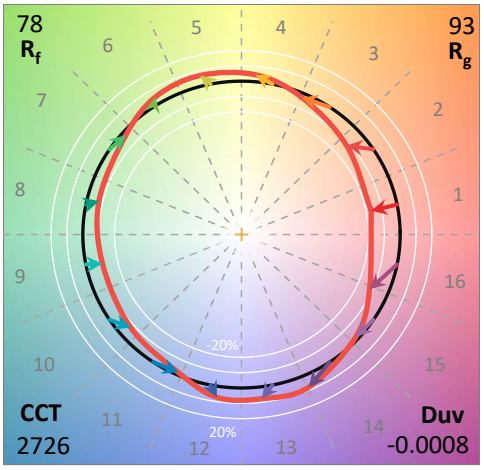
Test Information

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

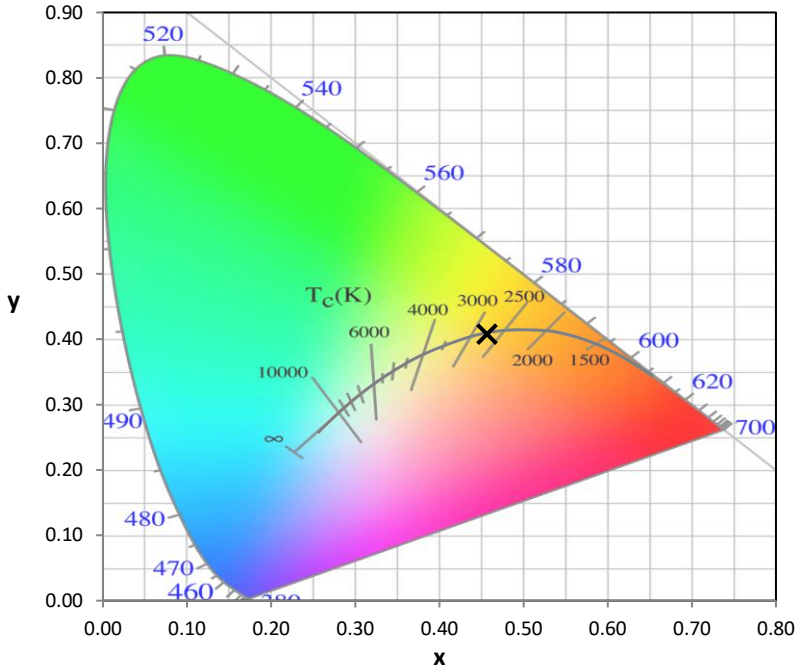
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

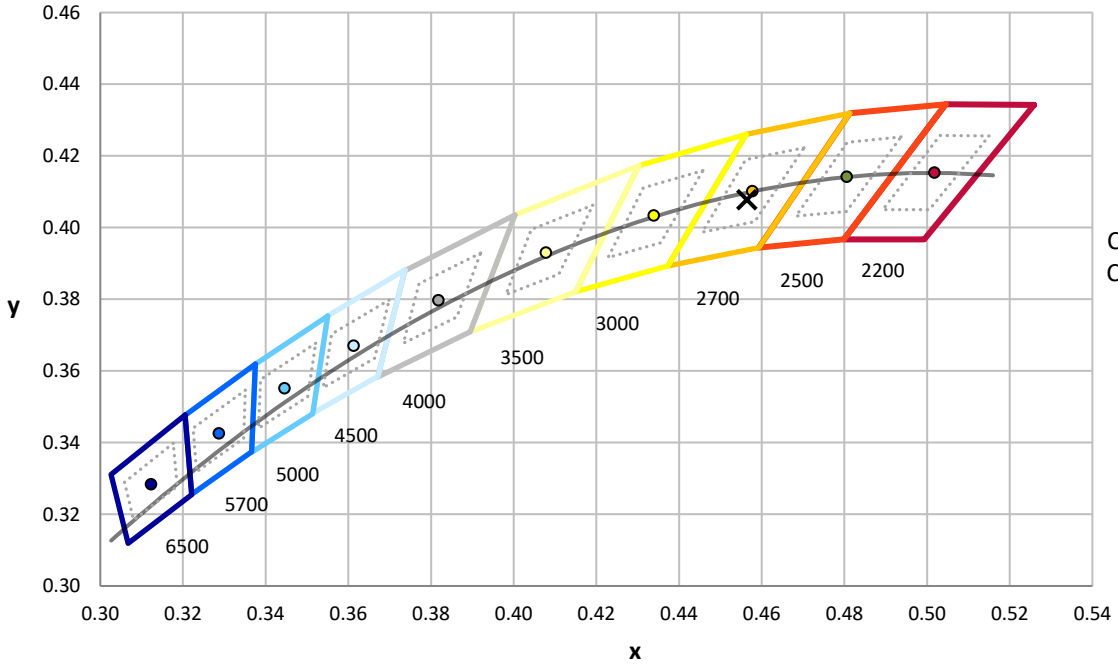
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

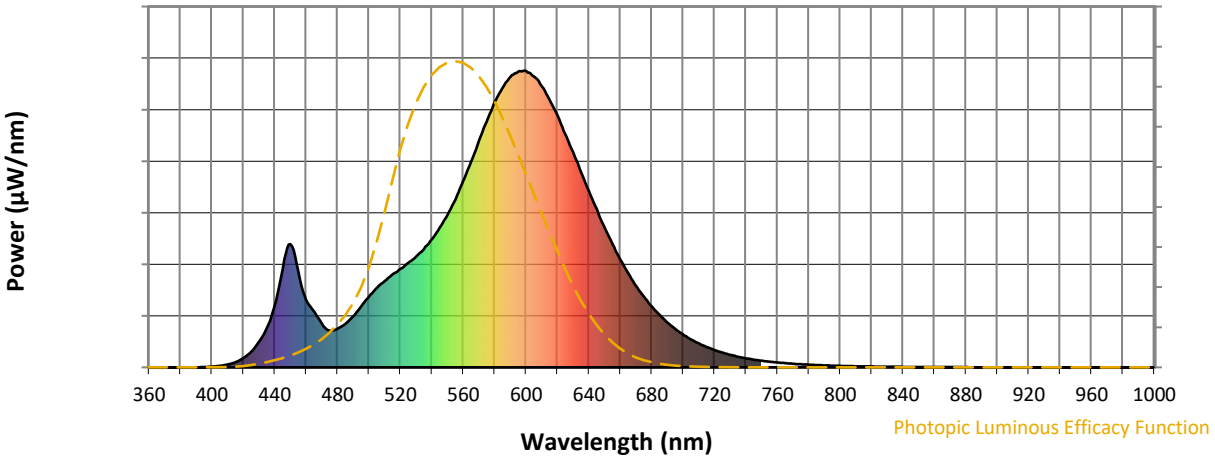


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

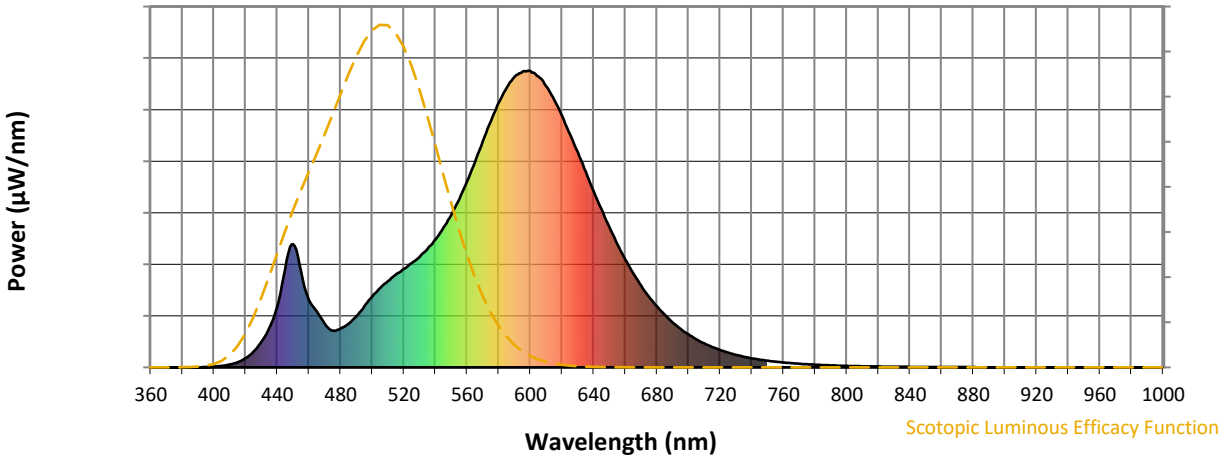


Photopic Lumens: NR

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

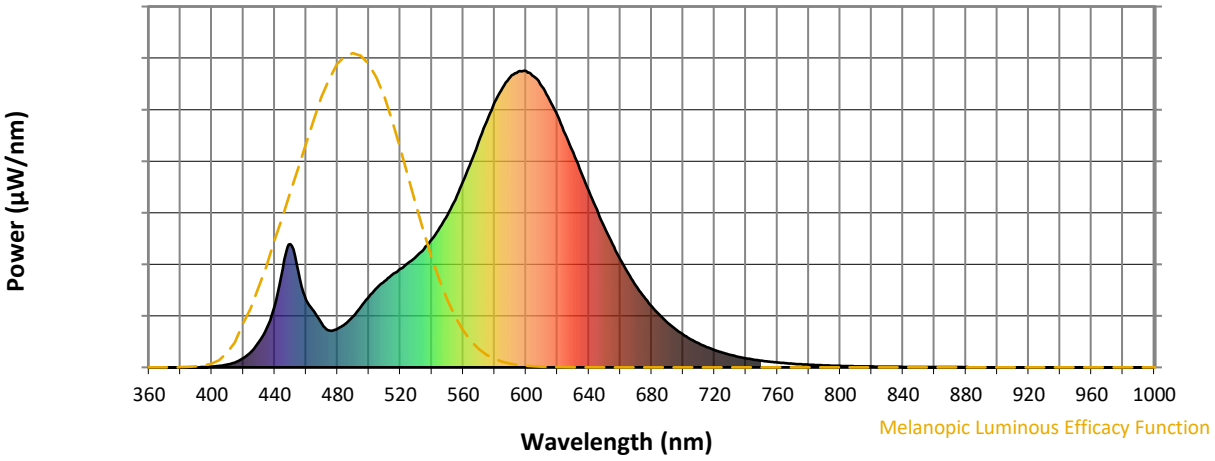


Scotopic Lumens: NR **S/P: 1.16**

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			

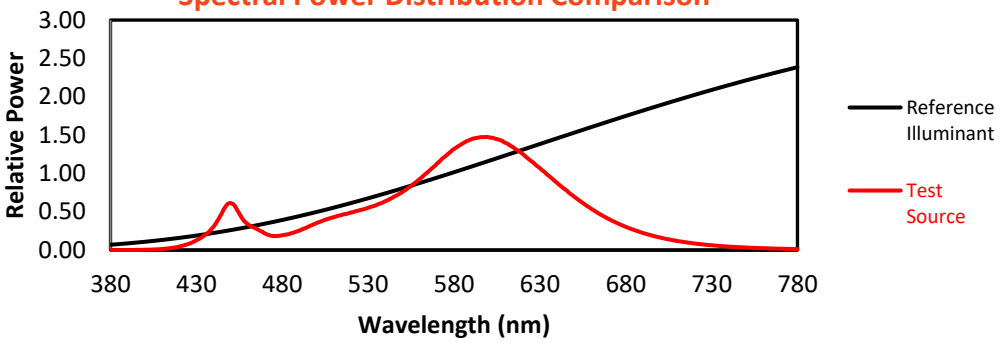
REPORT NUMBER: SP1-2501-332-3

TM-30-18

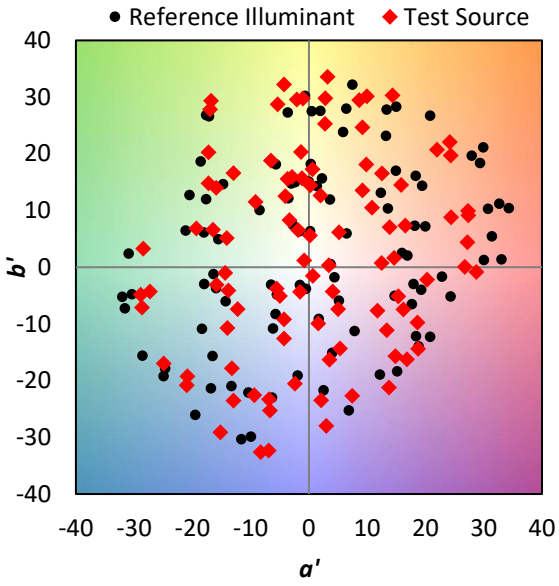
Summary

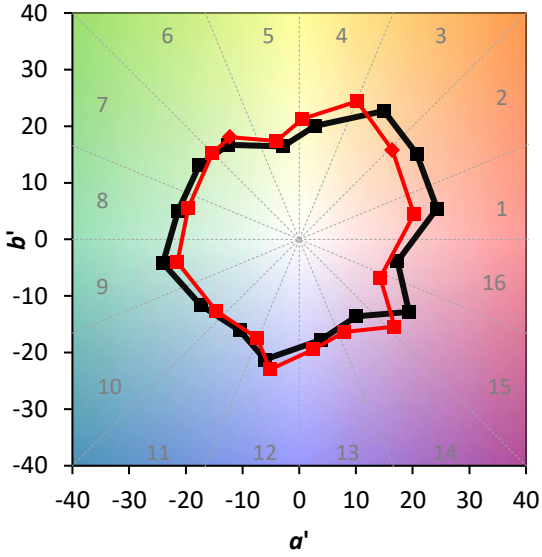
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

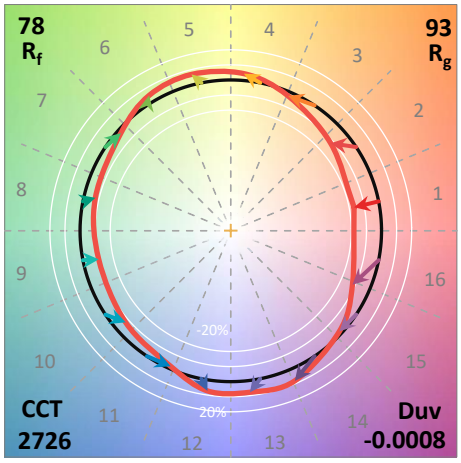
Spectral Power Distribution Comparison

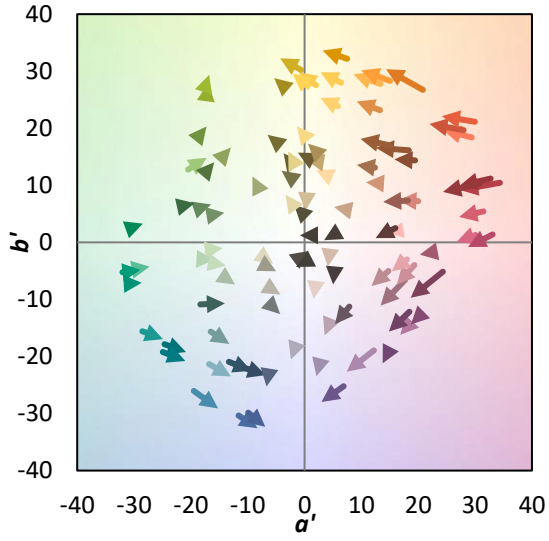


Color Vector Graphics







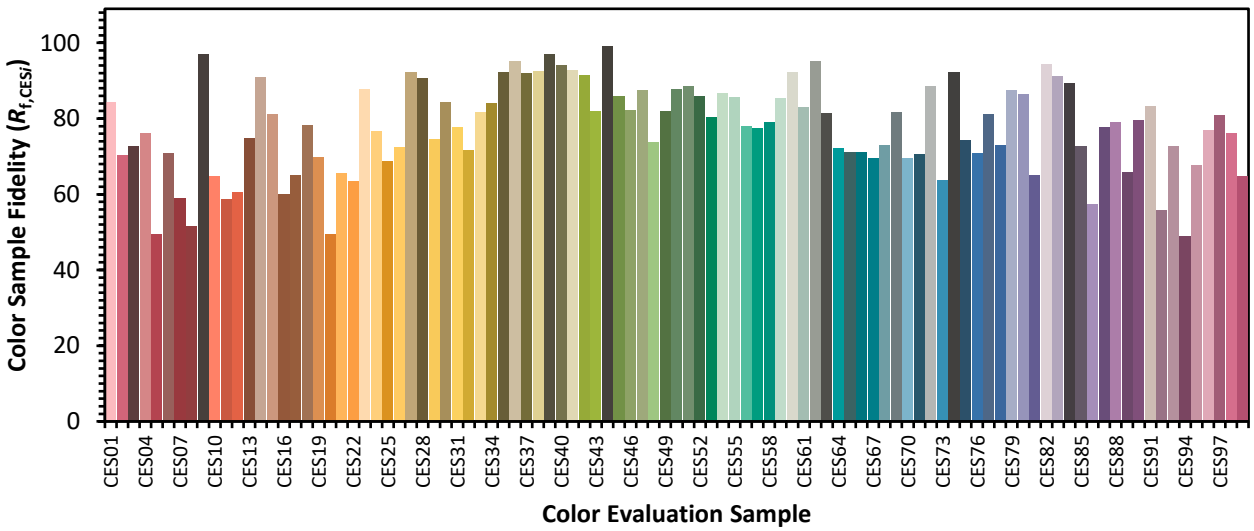


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

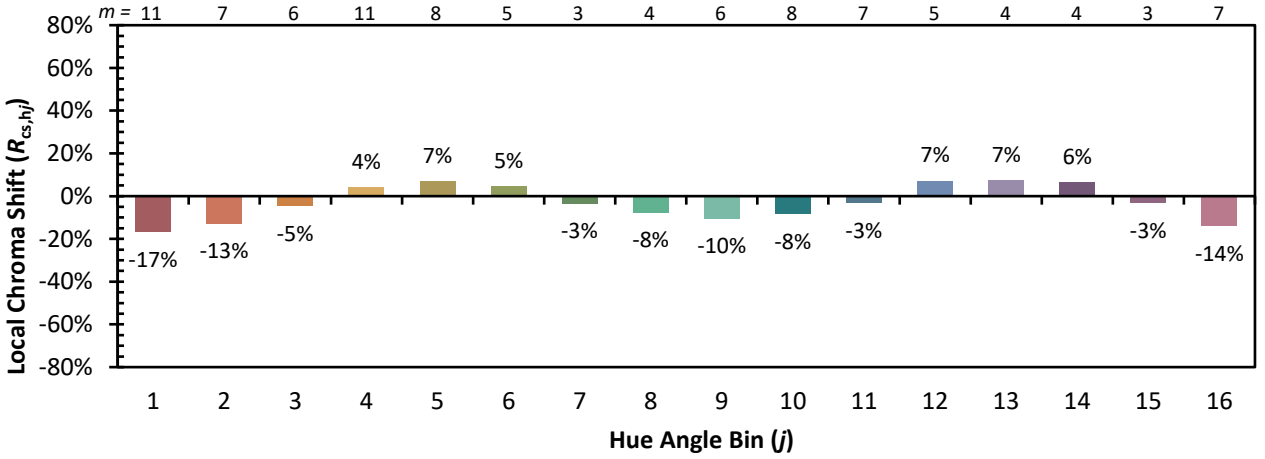
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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	

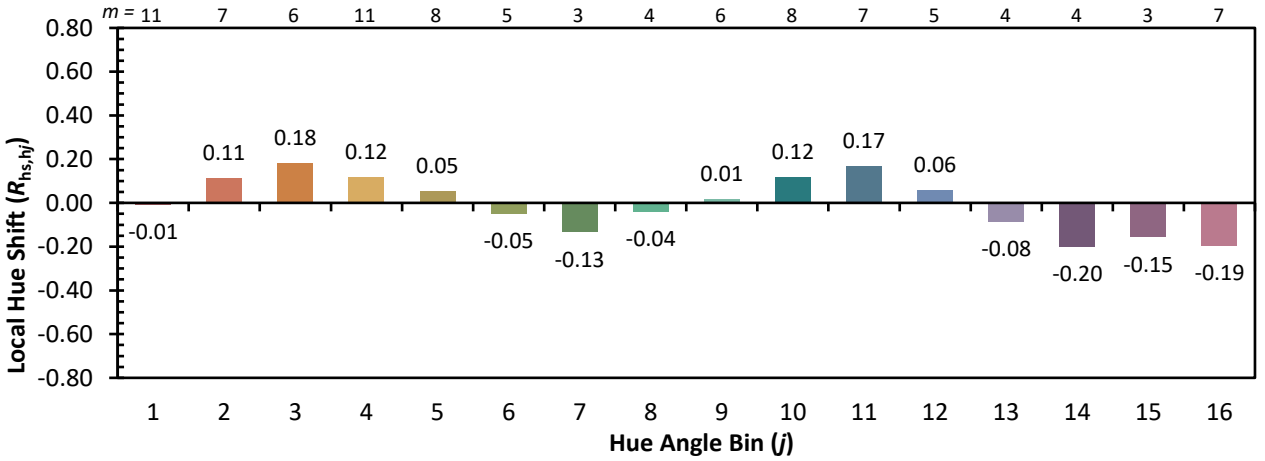


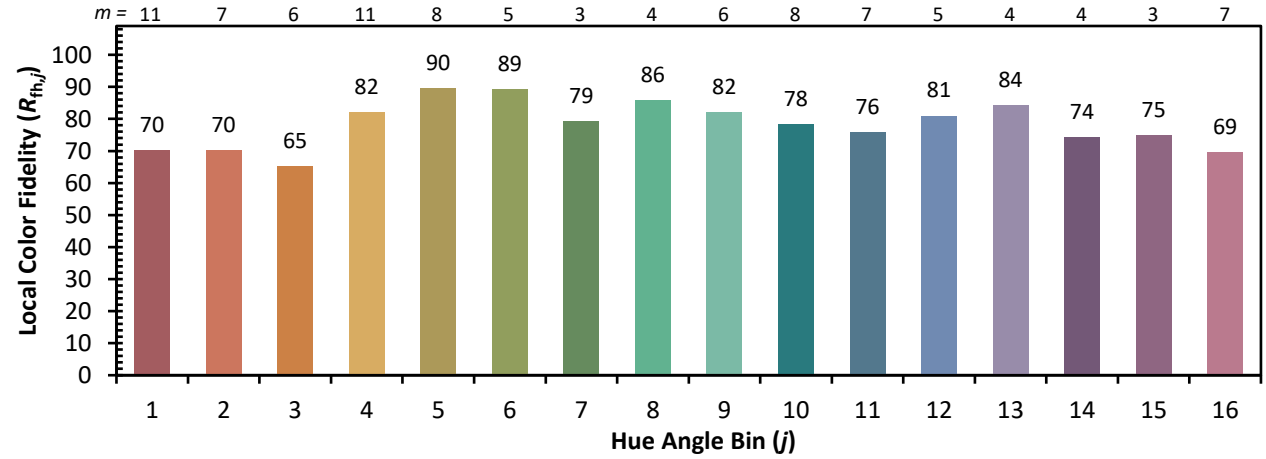
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



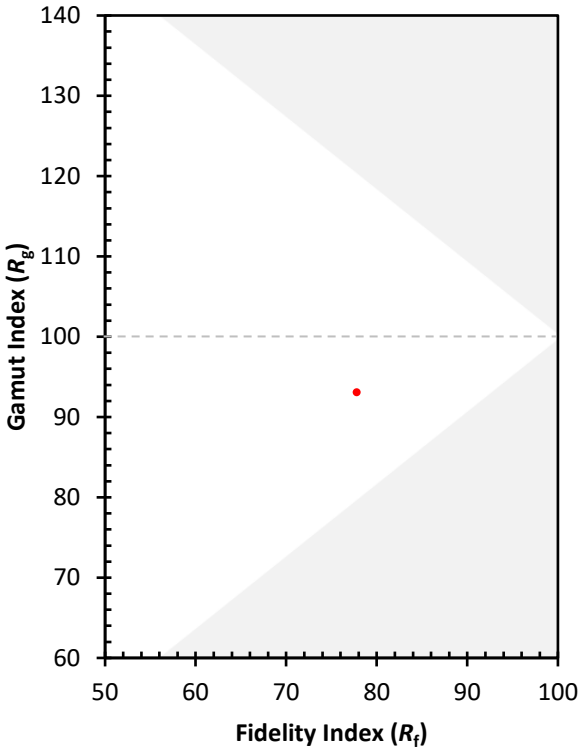


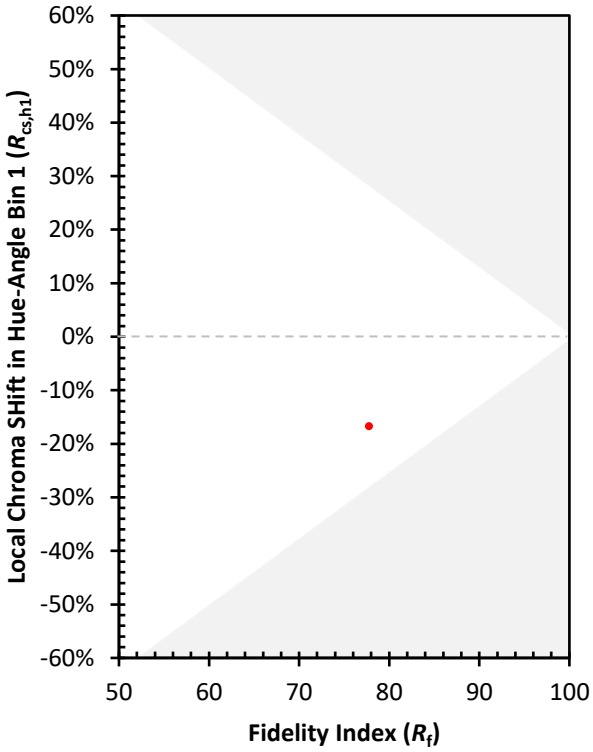


REPORT NUMBER: SP1-2501-332-3

TM-30-18

Measure Comparisons





(END OF REPORT)