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: P1046193

Luminaire Tested: **FFX-CLB-80-727-U-FR-T4-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:	P1046193
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-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10915.7 lumens
Efficiency:	N/A
Efficacy:	133.4 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U5 - G4

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

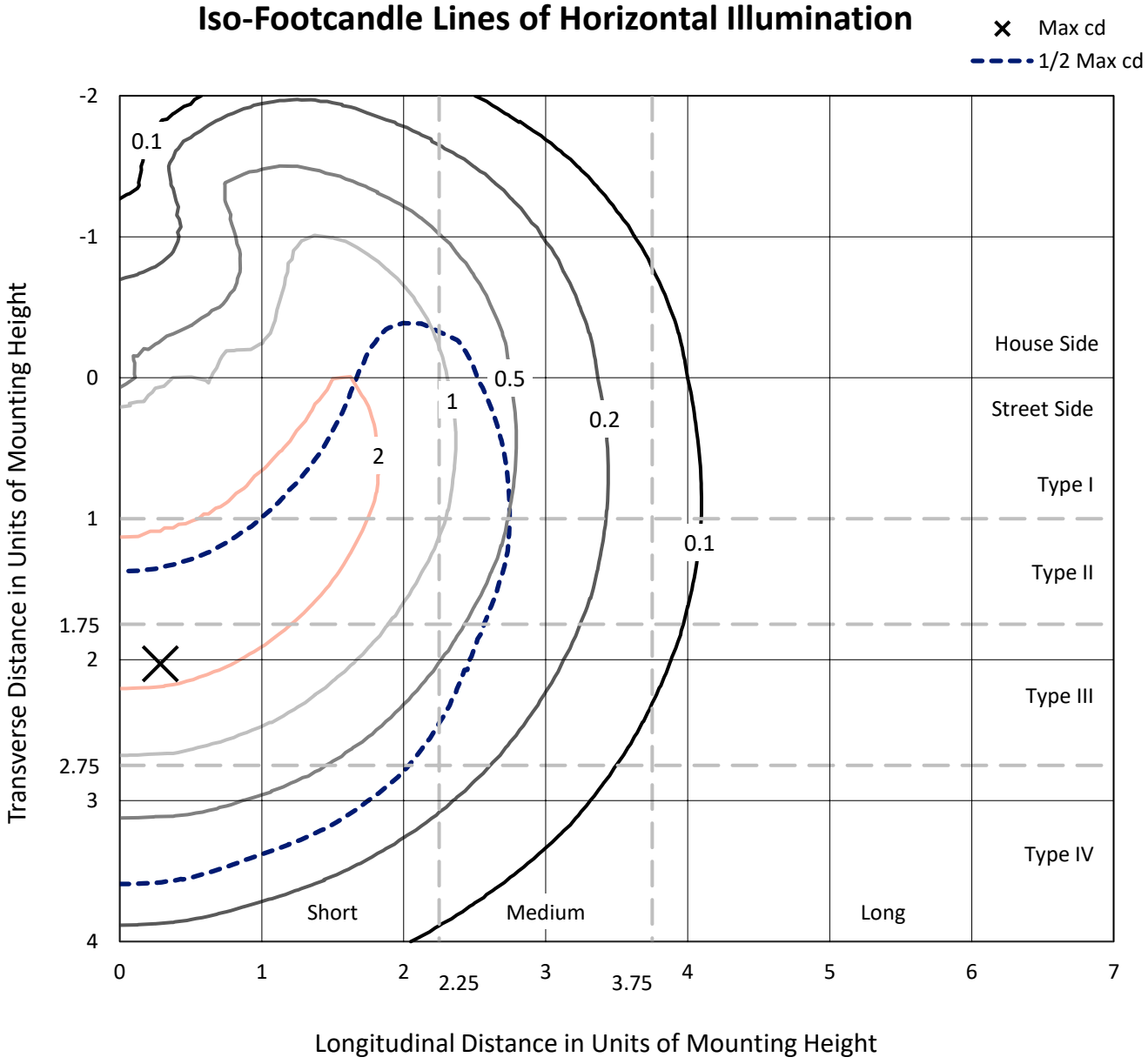


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Iso-Footcandle Lines of Horizontal Illumination



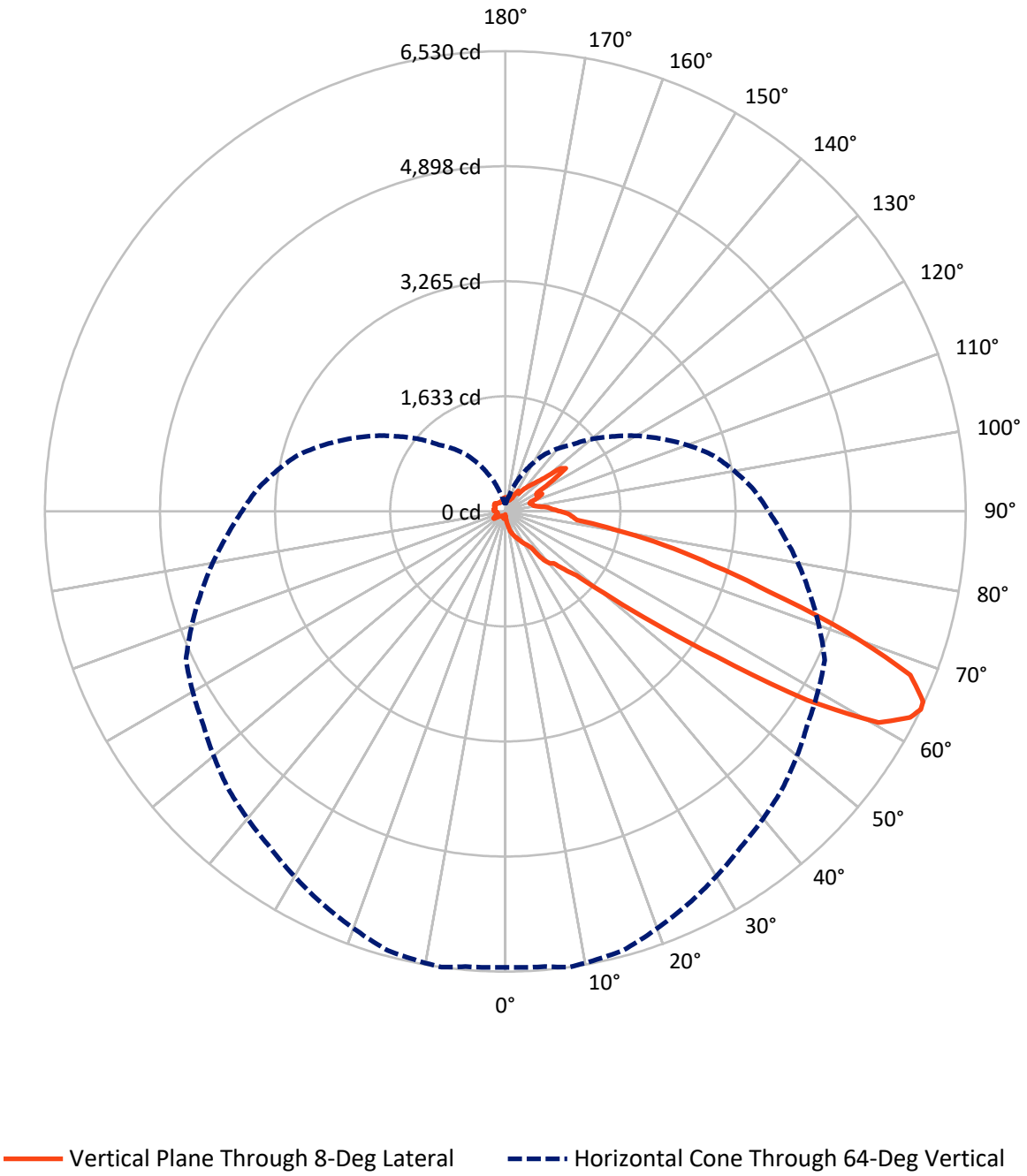
Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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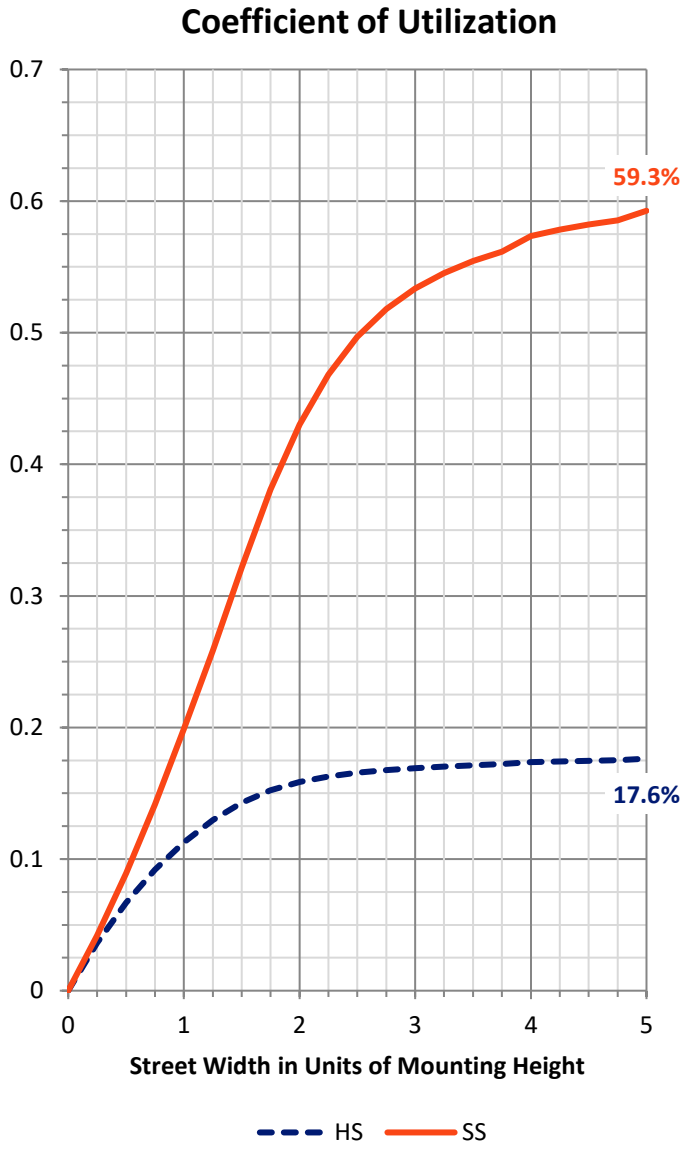
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1996.3	745.7	2742.0
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	6745.8	1427.9	8173.7
	% Fixture	61.8	13.1	74.9
Total	Lumens	8742.0	2173.6	10915.7
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.1
10°-20°	60.1	0.6
20°-30°	130.5	1.2
30°-40°	260.8	2.4
40°-50°	564.5	5.2
50°-60°	1956.7	17.9
60°-70°	3291.2	30.2
70°-80°	1789.7	16.4
80°-90°	677.5	6.2
90°-100°	427.5	3.9
100°-110°	288.4	2.6
110°-120°	312.0	2.9
120°-130°	513.5	4.7
130°-140°	316.3	2.9
140°-150°	165.4	1.5
150°-160°	86.1	0.8
160°-170°	46.9	0.4
170°-180°	17.6	0.2
0°-90°	8742.0	80.1
0°-180°	10915.7	100.0



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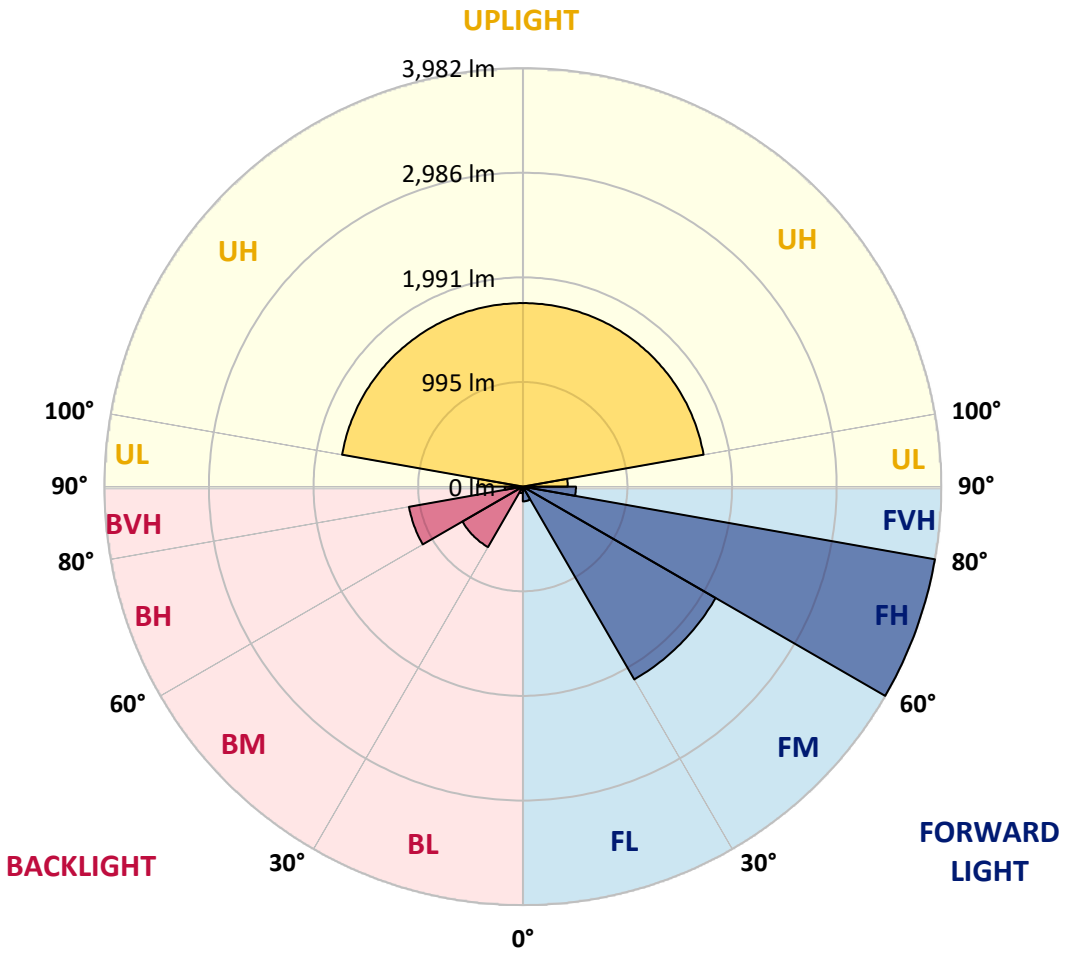
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	140.4	1.3			
FM	(30°-60°)	2118.4	19.4			
FH	(60°-80°)	3981.6	36.5			G2/5000
FVH	(80°-90°)	505.4	4.6			G4/750
BL	(0°-30°)	61.2	0.6	B0/110		
BM	(30°-60°)	663.6	6.1	B1/1000		
BH	(60°-80°)	1099.4	10.1	B3/2500		G3/2500
BVH	(80°-90°)	172.1	1.6			G2/225
UL	(90°-100°)	427.5	3.9		U3/500	
UH	(100°-180°)	1746.1	16.0		U5	

BUG Rating: B3-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
0°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2.5°	76.2	76.2	76.2	78.5	80.0	80.7	78.5	77.0	76.2	75.5	73.2
5°	109.4	110.2	110.2	112.4	110.9	112.4	109.4	107.2	103.4	98.9	95.1
7.5°	154.7	154.7	153.9	154.7	153.9	150.9	150.9	153.2	147.1	138.1	129.8
10°	209.8	211.3	210.5	207.5	203.0	199.2	199.2	202.2	193.2	177.3	165.3
12.5°	265.6	268.6	265.6	266.4	258.8	255.8	249.8	248.3	236.2	221.1	200.0
15°	307.1	309.4	310.1	312.4	311.7	301.8	291.3	280.0	270.1	256.6	234.7
17.5°	340.3	341.1	342.6	341.8	337.3	327.5	315.4	303.4	287.5	273.2	252.8
20°	372.8	375.8	375.0	374.3	372.0	364.5	350.1	332.8	319.2	298.1	276.9
22.5°	406.0	403.7	405.2	404.5	404.5	396.9	381.8	361.5	343.3	322.2	303.4
25°	444.5	443.7	444.5	442.2	439.2	435.4	416.5	393.1	372.8	350.9	324.5
27.5°	485.2	486.0	486.7	482.9	479.2	473.1	446.0	422.6	400.7	373.5	336.6
30°	530.5	528.2	529.0	523.7	521.4	502.6	476.2	448.2	424.1	387.9	351.6
32.5°	572.0	568.2	567.5	562.9	559.2	532.0	504.8	477.7	449.0	412.0	380.3
35°	630.1	637.6	634.6	634.6	644.4	602.9	571.2	544.8	513.9	475.4	442.2
37.5°	867.0	865.5	856.5	844.4	810.4	781.0	766.7	725.2	675.4	633.1	580.3
40°	981.7	977.2	967.4	943.3	919.1	884.4	862.5	836.9	811.2	736.5	652.0
42.5°	1008.9	1005.1	1007.4	1036.1	1067.8	1042.1	956.8	864.0	818.7	768.2	725.9
45°	1157.6	1170.4	1174.2	1173.4	1150.8	1123.6	1086.6	1030.8	952.3	880.6	792.3
47.5°	1346.2	1344.7	1353.8	1341.7	1360.5	1313.0	1265.5	1207.4	1125.9	1028.5	922.9
50°	1839.7	1823.9	1826.1	1830.7	1802.0	1767.3	1724.3	1691.8	1532.6	1394.5	1233.8
52.5°	2623.8	2626.0	2609.4	2608.7	2523.4	2456.2	2380.8	2383.8	2149.9	1964.2	1731.8
55°	3687.7	3689.3	3629.6	3678.7	3582.9	3573.8	3407.0	3192.0	2877.3	2624.5	2390.6
57.5°	5012.8	5058.1	5052.8	4965.3	4818.9	4739.7	4470.3	4244.6	3799.4	3402.5	3084.8
60°	6141.7	6120.6	6085.9	6019.5	5581.0	5396.9	5198.5	5006.0	4637.0	4087.7	3612.3
62.5°	6463.9	6448.1	6442.0	6408.8	6062.5	5759.1	5509.4	5194.7	4947.9	4409.1	3924.7
64°	6469.2	6483.5	6530.3	6451.1	6143.2	5819.5	5560.7	5239.2	4999.2	4468.0	3962.4
65°	6457.1	6454.1	6513.0	6412.6	6139.4	5816.5	5529.0	5221.1	4983.4	4452.2	3952.6
67.5°	6133.4	6120.6	6196.0	6067.0	5828.5	5537.3	5255.1	4924.5	4715.5	4205.4	3721.7
70°	5033.2	5032.4	5150.2	5042.3	4971.3	4662.7	4374.4	4071.1	3847.7	3428.9	3024.4
72.5°	3856.8	3850.0	3928.5	3847.7	3811.5	3665.9	3396.5	3128.6	2915.8	2601.9	2274.4
75°	3073.5	3076.5	3035.0	2955.8	2926.3	2861.5	2741.5	2581.5	2403.4	2118.2	1816.3
77.5°	2301.5	2286.4	2304.6	2193.6	2185.3	2165.7	2165.0	2062.3	1911.4	1729.5	1490.3
80°	1534.1	1543.2	1575.6	1546.2	1554.5	1547.7	1589.9	1481.3	1366.6	1259.4	1131.9
82.5°	992.3	1016.4	1025.5	1066.3	1101.7	1117.6	1059.5	950.0	878.4	839.1	782.5
85°	952.3	962.1	956.8	932.7	920.6	901.0	900.2	865.5	828.6	753.1	661.0
87.5°	878.4	889.7	885.1	864.0	836.9	834.6	829.3	805.2	787.8	728.2	646.7
90°	749.3	750.1	753.8	750.1	744.8	741.0	710.8	696.5	685.9	634.6	579.5
92.5°	649.7	658.8	656.5	649.7	632.4	642.9	610.5	583.3	577.3	541.8	499.5
95°	596.9	602.9	604.4	592.4	575.8	572.0	547.1	526.0	516.1	492.8	441.4
97.5°	495.0	491.2	488.2	485.2	473.9	461.8	446.0	419.6	411.3	385.6	356.9
100°	422.6	424.1	422.6	420.3	410.5	404.5	393.1	372.0	363.0	346.4	326.7
102.5°	403.0	403.7	403.7	404.5	387.9	374.3	362.2	347.1	338.8	324.5	305.6
105°	384.8	384.8	386.4	387.1	370.5	350.9	333.5	325.2	321.5	304.9	285.2
107.5°	362.2	361.5	363.7	353.9	337.3	329.0	310.9	301.1	299.6	286.7	266.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	395.4	387.1	*385.6*	361.5	338.8	320.0	310.9	301.8	296.6	279.2	266.4
112.5°	517.7	506.3	*503.3*	480.7	401.4	394.7	386.4	383.3	380.3	356.9	335.0
115°	570.5	570.5	*579.5*	570.5	515.4	452.8	443.7	430.1	435.4	406.7	375.0
117.5°	456.5	488.2	*497.3*	470.1	472.4	432.4	370.5	349.4	338.8	330.5	344.9
120°	512.4	533.5	*524.4*	474.6	452.0	428.6	431.6	424.1	386.4	334.3	339.6
122.5°	763.7	783.3	*790.1*	793.8	804.4	788.6	753.1	703.3	665.6	602.9	567.5
125°	1069.3	1054.9	*1053.4*	1060.2	1068.5	1048.1	1033.1	1023.2	999.8	917.6	802.1
127.5°	981.7	974.9	*986.3*	984.8	1005.1	970.4	963.6	968.9	959.9	913.8	846.7
130°	704.0	716.1	*724.4*	751.6	791.6	760.6	732.0	689.0	685.9	708.6	673.1
132.5°	590.9	596.1	*611.2*	646.7	676.9	664.1	621.8	580.3	577.3	596.1	593.1
135°	522.2	526.0	*528.2*	529.7	524.4	536.5	527.5	512.4	502.6	503.3	494.3
137.5°	466.3	467.9	*466.3*	454.3	439.9	437.7	460.3	461.1	452.0	436.2	424.1
140°	404.5	404.5	*398.4*	390.1	387.9	388.6	401.4	403.7	393.1	380.3	362.2
142.5°	316.2	312.4	*313.2*	326.7	350.9	345.6	329.0	307.9	304.9	320.0	313.9
145°	341.8	341.1	*338.8*	339.6	333.5	323.7	317.7	310.9	298.8	289.0	279.2
147.5°	344.9	341.8	*343.3*	340.3	337.3	332.8	330.5	333.5	330.5	323.7	310.9
150°	272.4	273.9	*275.4*	271.7	274.7	276.2	274.7	272.4	276.2	267.9	262.6
152.5°	212.8	212.0	*211.3*	212.8	212.0	215.1	215.8	215.1	213.6	212.8	204.5
155°	200.0	202.2	*200.7*	196.2	199.2	201.5	204.5	206.8	204.5	200.7	193.2
157.5°	184.1	184.1	*184.1*	184.1	184.9	185.6	189.4	190.9	190.9	188.7	183.4
160°	171.3	172.0	*172.0*	172.0	173.6	175.1	177.3	178.8	180.3	178.8	175.8
162.5°	163.7	163.0	*163.0*	163.7	163.7	166.0	168.3	171.3	172.0	170.5	170.5
165°	159.2	159.2	*159.2*	160.0	161.5	163.0	166.0	166.8	167.5	169.0	169.0
167.5°	164.5	164.5	*164.5*	165.3	166.8	169.0	170.5	172.0	175.1	175.8	175.8
170°	172.8	172.8	*172.8*	173.6	174.3	175.1	175.8	177.3	178.1	179.6	178.8
172.5°	181.1	180.3	*181.1*	181.1	181.1	181.1	181.1	181.9	182.6	182.6	182.6
175°	190.2	190.2	*190.9*	190.2	188.7	188.7	188.7	189.4	189.4	189.4	188.7
177.5°	199.2	199.2	*198.5*	199.2	198.5	197.7	197.0	196.2	194.7	194.7	193.2
180°	193.9	193.9	*193.9*	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2.5°	71.7	68.7	64.9	60.4	55.8	52.8	49.8	46.0	43.8	43.0	43.0
5°	90.6	88.3	84.5	78.5	74.7	67.9	61.9	58.1	54.3	50.6	47.5
7.5°	126.8	126.0	128.3	132.8	126.8	110.9	94.3	85.3	86.0	90.6	92.8
10°	159.2	154.7	155.4	166.0	156.2	126.0	103.4	95.1	99.6	108.7	110.2
12.5°	193.2	186.4	181.1	178.8	157.0	123.0	102.6	92.8	95.1	102.6	102.6
15°	224.1	215.8	203.7	187.9	162.2	132.1	107.2	92.8	92.8	92.1	90.6
17.5°	241.5	232.4	210.5	185.6	157.7	130.5	104.9	90.6	83.0	77.0	76.2
20°	268.6	264.1	236.2	200.7	162.2	127.5	101.1	86.8	78.5	74.0	72.4
22.5°	295.0	282.2	246.0	209.8	166.0	126.8	99.6	86.0	78.5	74.7	73.2
25°	309.4	293.5	257.3	220.3	171.3	127.5	101.1	87.5	79.2	75.5	74.7
27.5°	320.7	304.1	270.1	230.2	178.1	130.5	105.6	89.8	80.7	76.2	75.5
30°	335.8	320.0	285.2	242.2	184.1	137.3	110.9	93.6	83.0	78.5	77.7
32.5°	364.5	344.9	304.1	252.8	191.7	144.1	117.7	99.6	86.8	80.0	80.0
35°	424.1	403.0	348.6	281.5	200.0	149.4	122.2	103.4	89.8	82.3	81.5
37.5°	549.4	522.9	456.5	352.4	220.3	157.0	127.5	105.6	91.3	84.5	83.0
40°	609.7	560.7	486.0	393.9	254.3	169.0	135.8	110.9	93.6	85.3	84.5
42.5°	682.9	642.2	539.5	404.5	282.2	197.0	150.2	118.5	98.1	86.8	86.0
45°	754.6	714.6	623.3	492.0	339.6	240.7	173.6	131.3	104.9	90.6	88.3
47.5°	879.9	814.2	704.8	575.8	418.0	304.9	213.6	149.4	116.2	95.1	92.1
50°	1190.0	1147.0	979.5	781.8	544.1	396.9	290.5	191.7	129.0	98.1	93.6
52.5°	1605.0	1523.5	1333.4	1091.2	789.3	589.3	424.8	284.5	158.5	101.1	95.1
55°	2262.3	2135.5	1916.7	1497.1	1132.7	893.4	664.8	467.1	241.5	107.9	95.8
57.5°	2964.8	2850.1	2589.0	2069.1	1534.9	1137.9	875.3	659.5	338.8	123.0	104.1
60°	3434.9	3235.0	2936.9	2434.3	1855.6	1337.9	979.5	692.0	351.6	126.0	108.7
62.5°	3704.3	3497.6	3056.9	2479.6	1912.9	1382.4	1024.8	633.9	280.7	122.2	113.2
64°	*3736.0*	*3536.8*	*3058.4*	*2436.6*	*1851.8*	*1336.4*	*993.1*	*594.6*	*243.7*	*120.7*	*115.5*
65°	3711.1	3527.0	3021.4	2385.3	1769.5	1276.8	955.3	555.4	216.6	119.2	116.2
67.5°	3468.9	3307.4	2777.7	2163.4	1573.3	1102.5	784.0	427.1	169.8	116.2	114.7
70°	2809.4	2735.4	2283.4	1745.4	1243.6	879.1	618.0	326.7	144.1	113.2	111.7
72.5°	2107.6	2014.0	1703.9	1331.9	968.9	683.7	469.4	251.3	127.5	110.2	108.7
75°	1689.6	1598.2	1350.7	1048.9	720.6	510.9	347.1	187.9	120.0	109.4	107.9
77.5°	1396.8	1323.6	1110.8	798.4	512.4	366.0	255.1	153.2	117.7	110.2	108.7
80°	1074.6	1062.5	867.8	581.0	363.0	273.2	206.0	143.4	118.5	113.2	111.7
82.5°	753.8	723.7	612.7	432.4	313.9	249.8	197.7	145.6	124.5	120.0	119.2
85°	621.0	597.6	524.4	415.8	298.8	241.5	195.4	149.4	130.5	126.8	125.3
87.5°	614.2	588.6	519.2	397.7	283.7	230.2	186.4	145.6	129.8	127.5	129.0
90°	557.7	538.8	474.6	366.7	281.5	233.9	194.7	160.7	144.1	136.6	135.1
92.5°	488.2	476.9	431.6	356.2	292.0	247.5	212.0	178.1	163.0	158.5	156.2
95°	426.4	421.8	384.8	323.7	269.4	233.2	200.7	171.3	158.5	152.4	151.7
97.5°	349.4	344.1	315.4	275.4	235.4	205.3	181.1	158.5	149.4	148.7	147.9
100°	319.2	315.4	295.0	269.4	237.7	215.1	193.9	175.1	167.5	167.5	168.3
102.5°	295.0	292.8	274.7	248.3	223.4	202.2	184.9	167.5	158.5	158.5	153.2
105°	275.4	271.7	255.1	233.9	208.3	188.7	172.0	159.2	149.4	146.4	146.4
107.5°	258.1	253.5	240.0	219.6	200.7	181.9	166.8	154.7	147.9	145.6	145.6

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

Scaled Data Report

REPORT NUMBER: P1046193
CATALOG NUMBER: FFX-CLB-80-727-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	258.8	255.1	239.2	217.3	200.0	185.6	173.6	162.2	156.2	151.7	151.7
112.5°	318.4	302.6	274.7	242.2	222.6	203.7	184.9	169.0	161.5	160.0	158.5
115°	360.7	344.9	310.1	267.9	232.4	206.0	187.1	175.1	168.3	172.8	175.1
117.5°	362.2	333.5	267.1	246.8	221.1	199.2	186.4	178.8	174.3	178.8	178.8
120°	369.0	310.9	275.4	267.1	236.9	206.0	191.7	190.2	185.6	176.6	176.6
122.5°	548.6	495.8	439.2	367.5	304.9	275.4	249.8	205.3	184.1	174.3	173.6
125°	756.1	701.0	612.7	516.9	426.4	332.0	246.8	210.5	188.7	176.6	174.3
127.5°	803.7	760.6	644.4	529.7	401.4	309.4	247.5	216.6	194.7	181.9	179.6
130°	648.2	614.2	535.8	442.2	353.2	286.0	241.5	210.5	189.4	176.6	173.6
132.5°	576.5	544.8	467.9	382.6	313.2	261.1	221.1	190.9	169.8	160.7	160.7
135°	482.2	460.3	391.6	341.1	291.3	247.5	208.3	180.3	163.0	157.7	157.7
137.5°	413.5	396.2	347.1	307.1	268.6	230.9	197.0	174.3	162.2	157.0	156.2
140°	353.9	342.6	313.9	274.7	237.7	200.7	174.3	161.5	156.2	153.9	153.2
142.5°	307.9	299.6	273.9	233.2	197.0	174.3	164.5	160.7	155.4	150.2	149.4
145°	269.4	262.6	233.2	209.8	192.4	183.4	175.8	164.5	151.7	144.9	144.1
147.5°	302.6	292.0	266.4	239.2	211.3	190.2	173.6	158.5	146.4	141.9	141.9
150°	260.3	252.8	236.9	215.8	192.4	172.8	158.5	148.7	144.1	143.4	143.4
152.5°	202.2	198.5	193.9	183.4	168.3	155.4	146.4	141.9	143.4	146.4	147.1
155°	190.2	188.7	184.1	174.3	164.5	152.4	144.9	142.6	144.9	147.9	148.7
157.5°	181.1	180.3	176.6	167.5	158.5	150.9	145.6	144.1	146.4	148.7	148.7
160°	173.6	172.8	167.5	160.7	153.9	148.7	144.9	144.9	147.1	148.7	148.7
162.5°	169.0	168.3	164.5	159.2	154.7	151.7	150.9	150.9	151.7	152.4	152.4
165°	169.0	168.3	164.5	160.0	157.0	157.0	158.5	159.2	157.0	155.4	156.2
167.5°	175.8	174.3	169.8	166.0	165.3	166.0	168.3	168.3	166.8	164.5	163.7
170°	178.1	177.3	175.8	174.3	174.3	174.3	175.1	175.8	175.8	176.6	176.6
172.5°	182.6	182.6	181.9	181.9	182.6	181.9	181.9	183.4	184.9	185.6	186.4
175°	188.7	187.9	188.7	188.7	189.4	188.7	187.9	189.4	191.7	193.2	193.2
177.5°	193.2	193.2	192.4	191.7	191.7	191.7	191.7	192.4	192.4	192.4	191.7
180°	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9

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

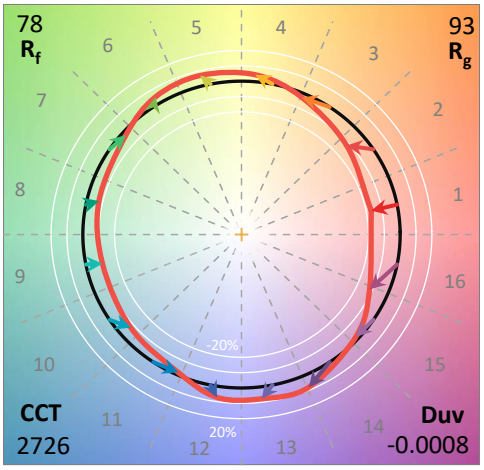
Test Information

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

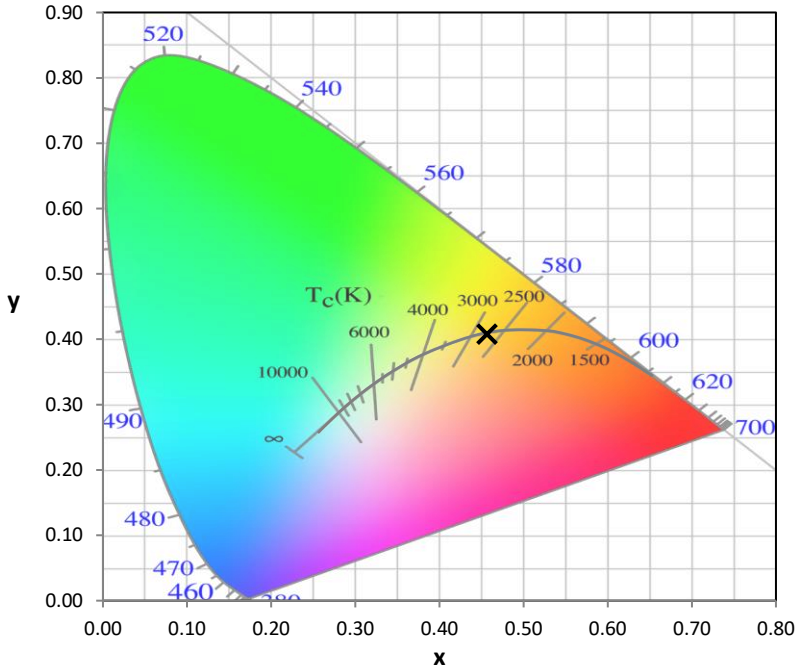
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

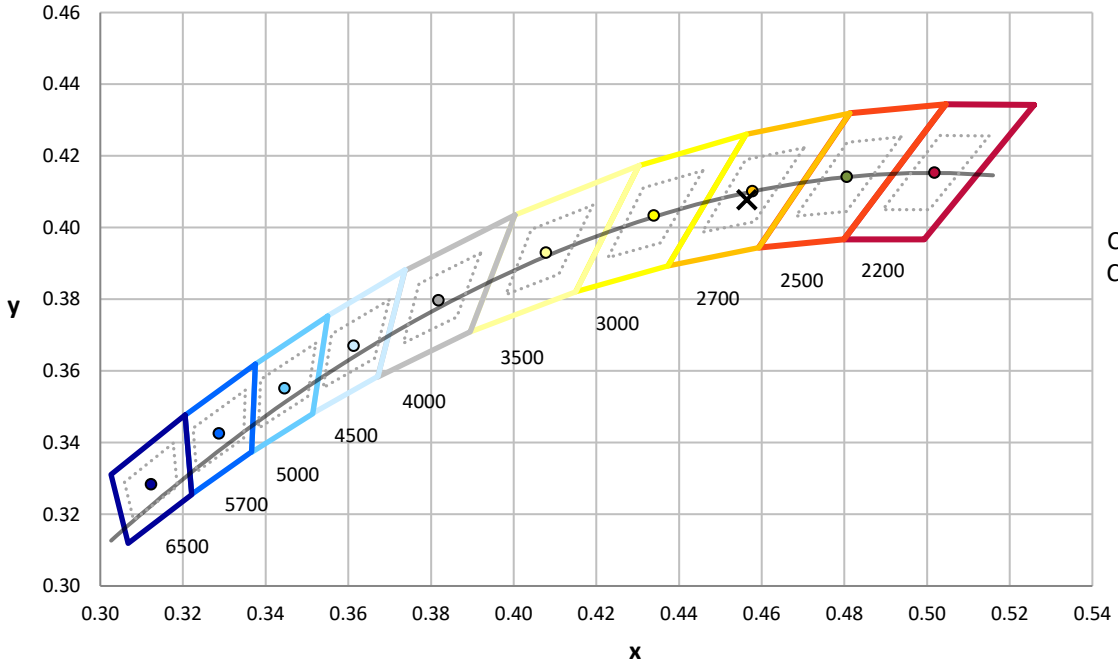
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

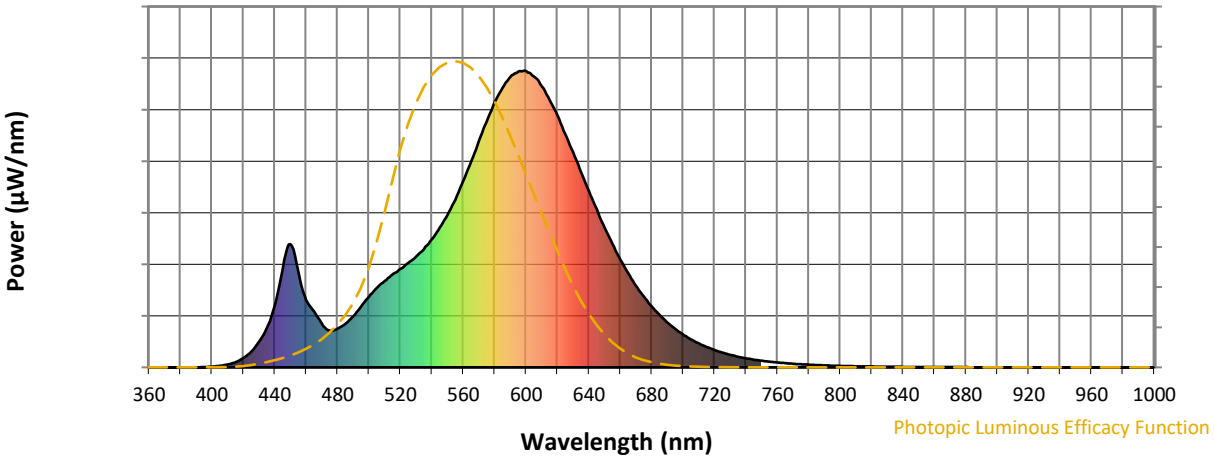


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

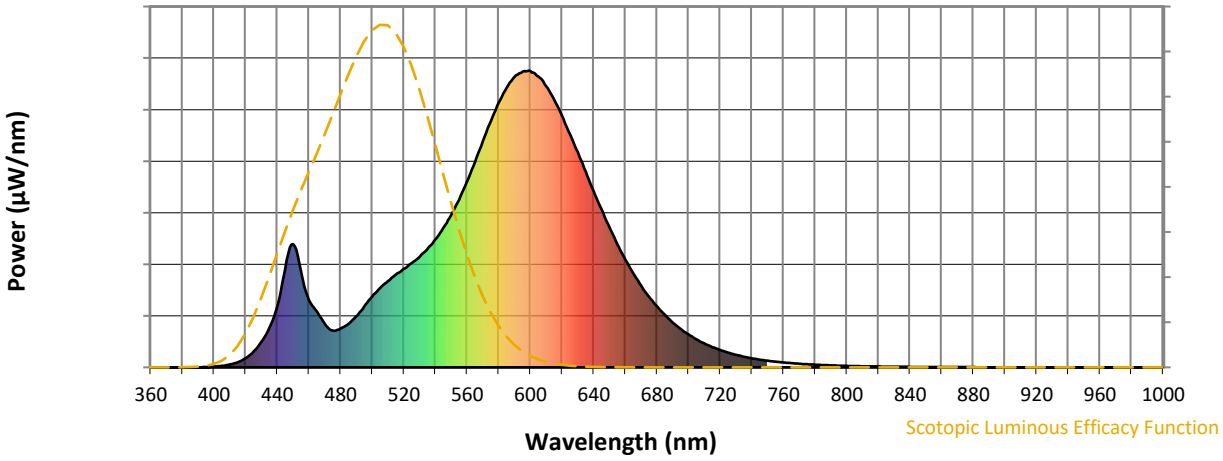


Photopic Lumens: NR

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

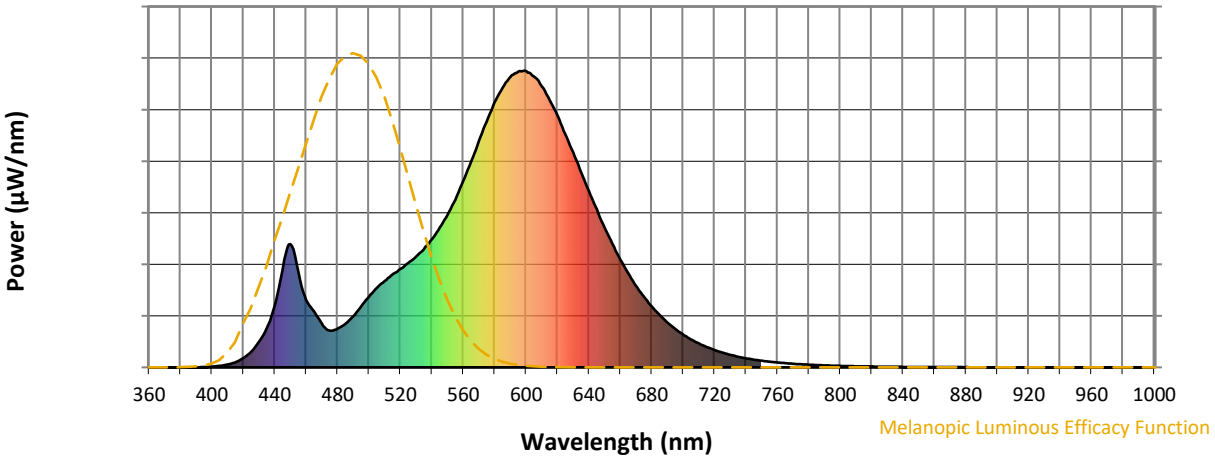


Scotopic Lumens: NR **S/P: 1.16**

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			

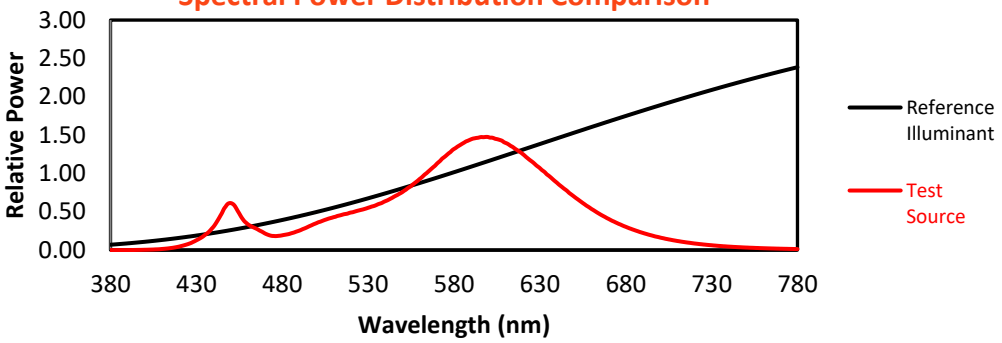
REPORT NUMBER: SP1-2501-332-3

TM-30-18

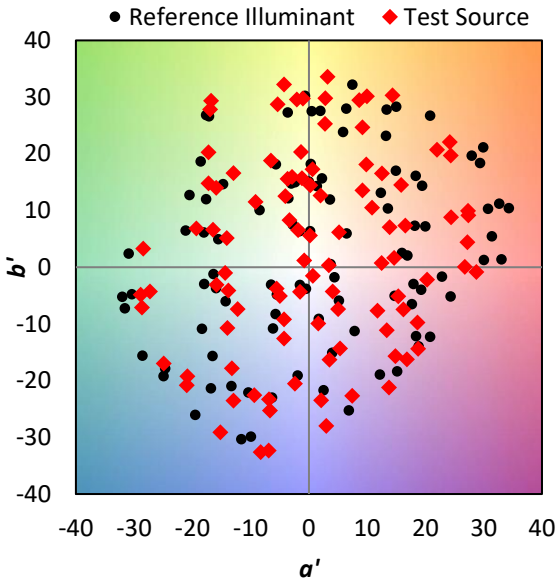
Summary

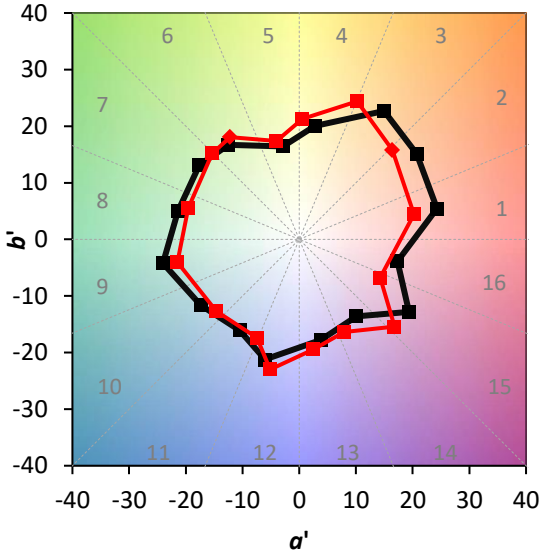
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

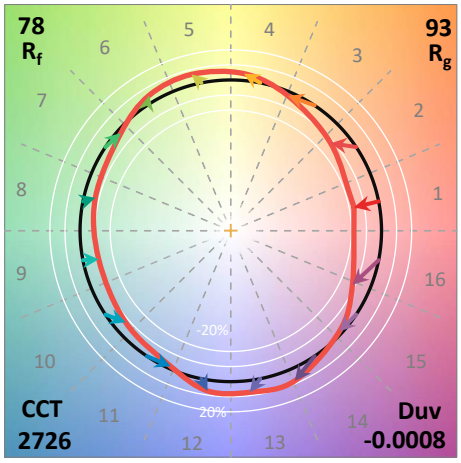
Spectral Power Distribution Comparison

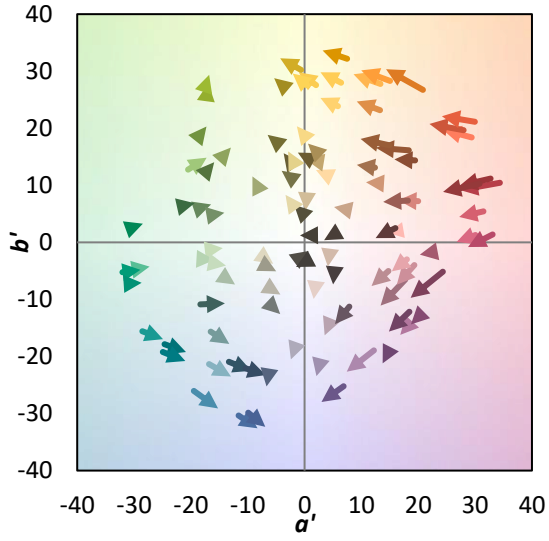


Color Vector Graphics







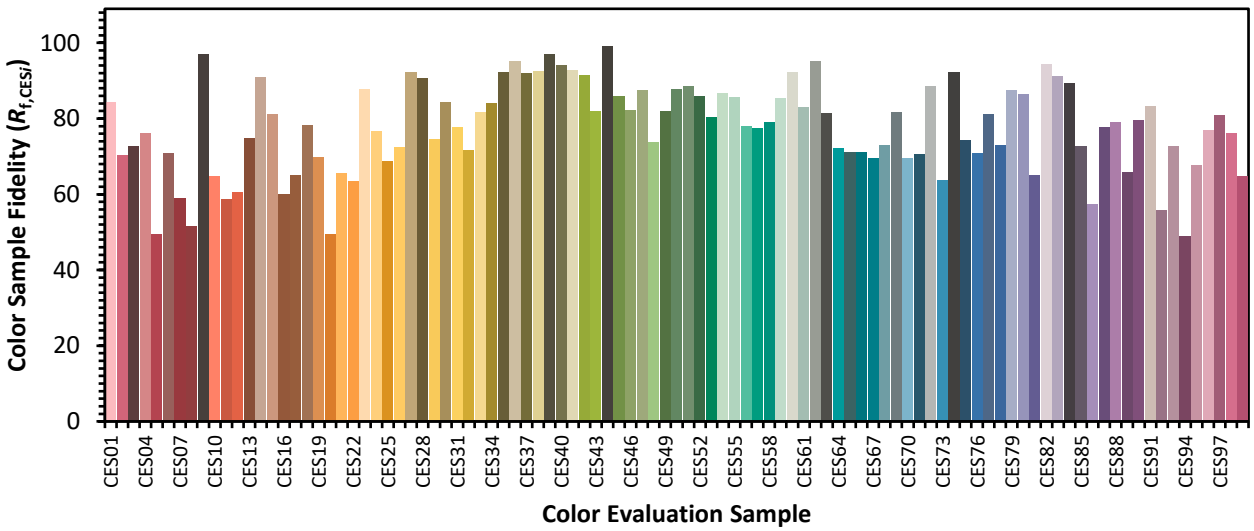


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

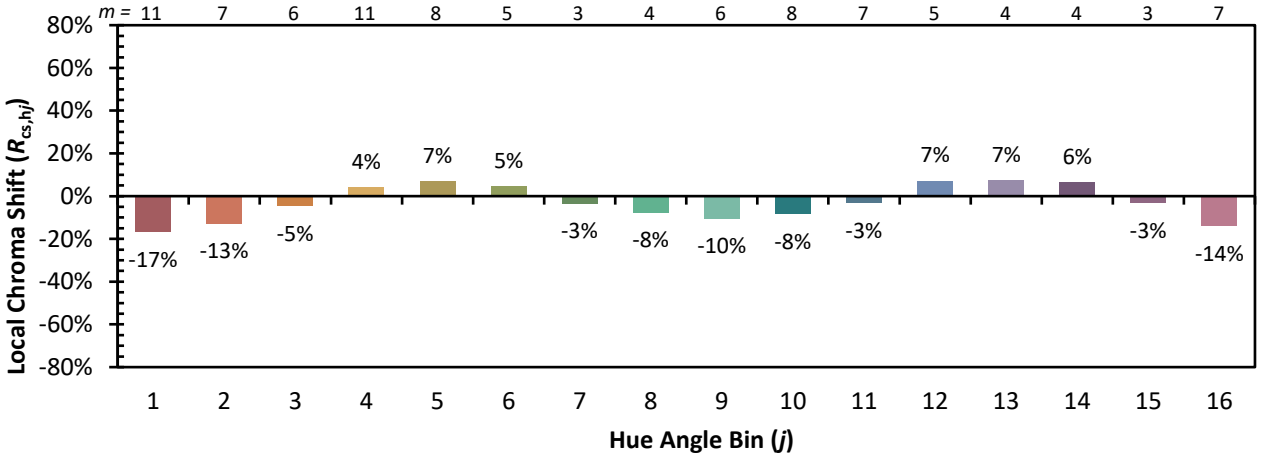
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

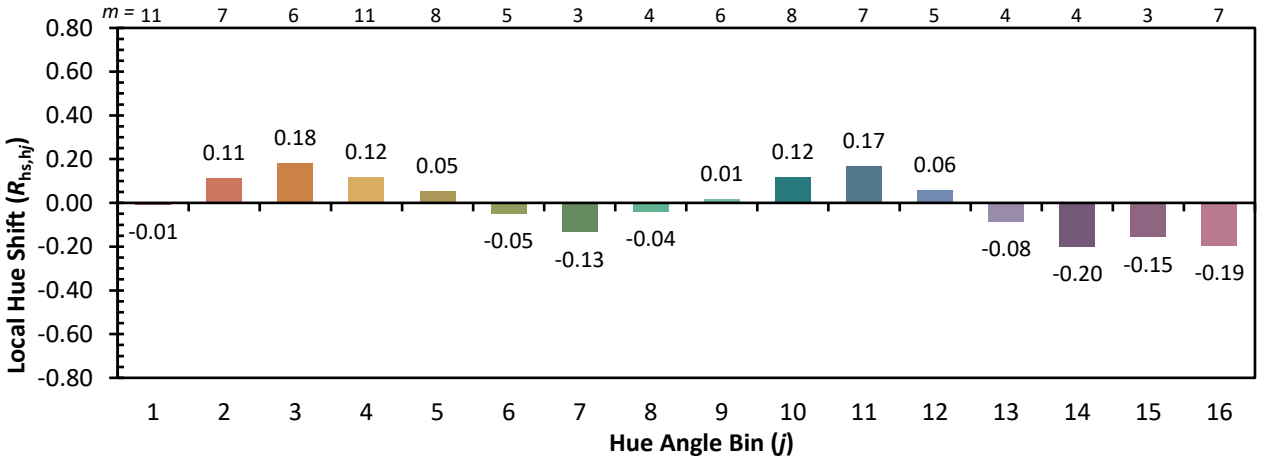


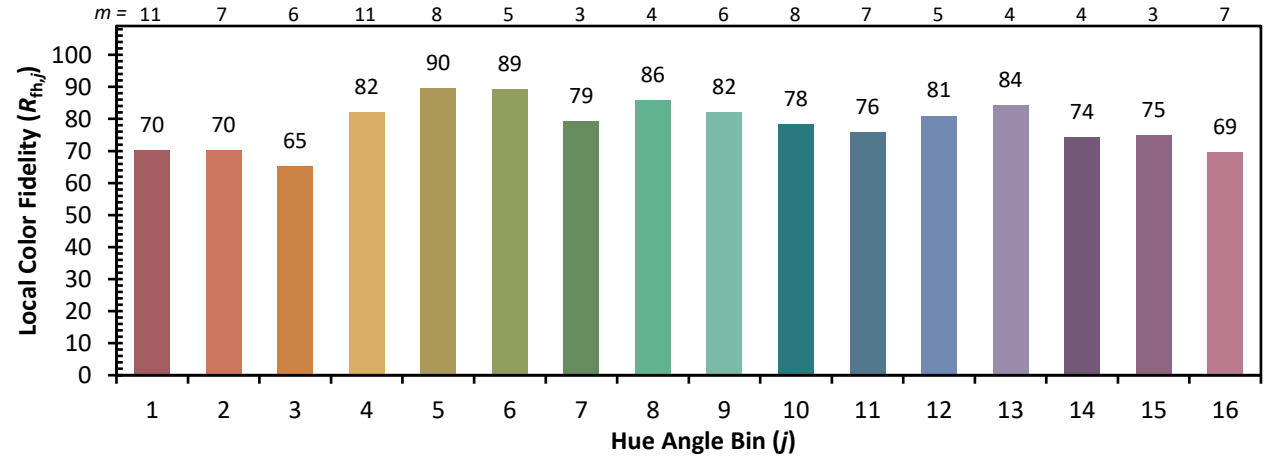
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Color Rendition by Hue-Angle Bin



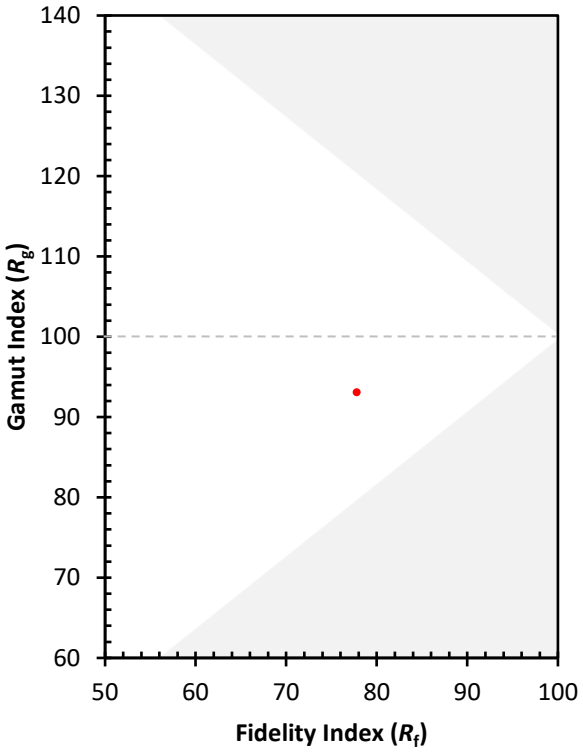


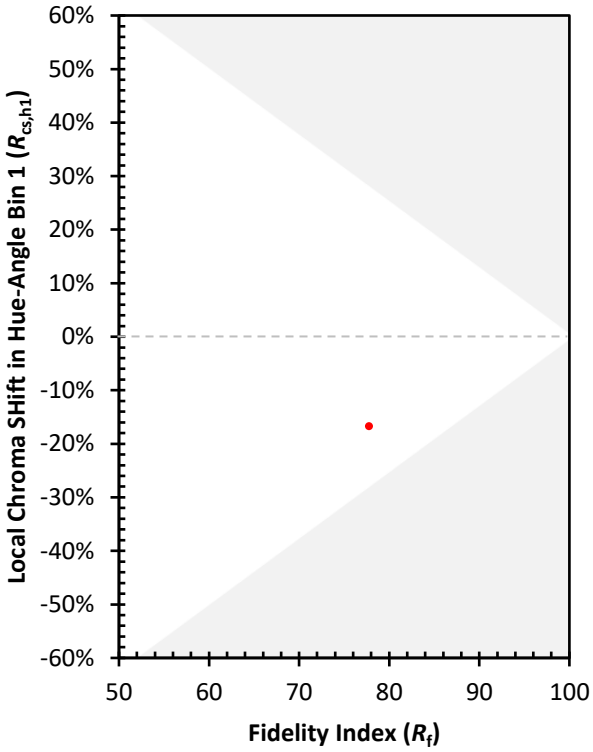


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Measure Comparisons





(END OF REPORT)