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: P1224037

Luminaire Tested: **FFX-CLB-40-730-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224037
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-730-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5550.4 lumens
Efficiency:	N/A
Efficacy:	140.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

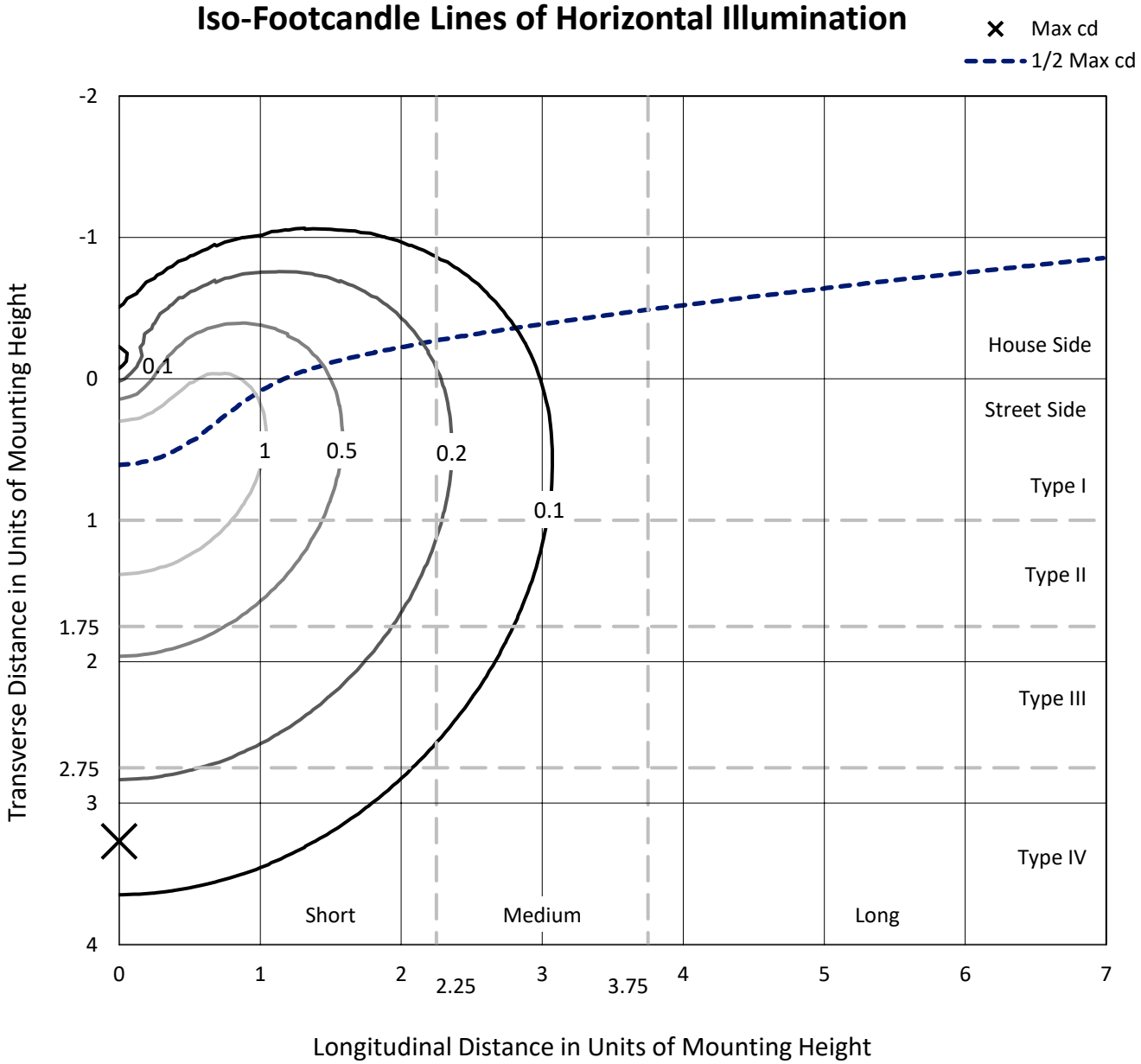


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Iso-Footcandle Lines of Horizontal Illumination



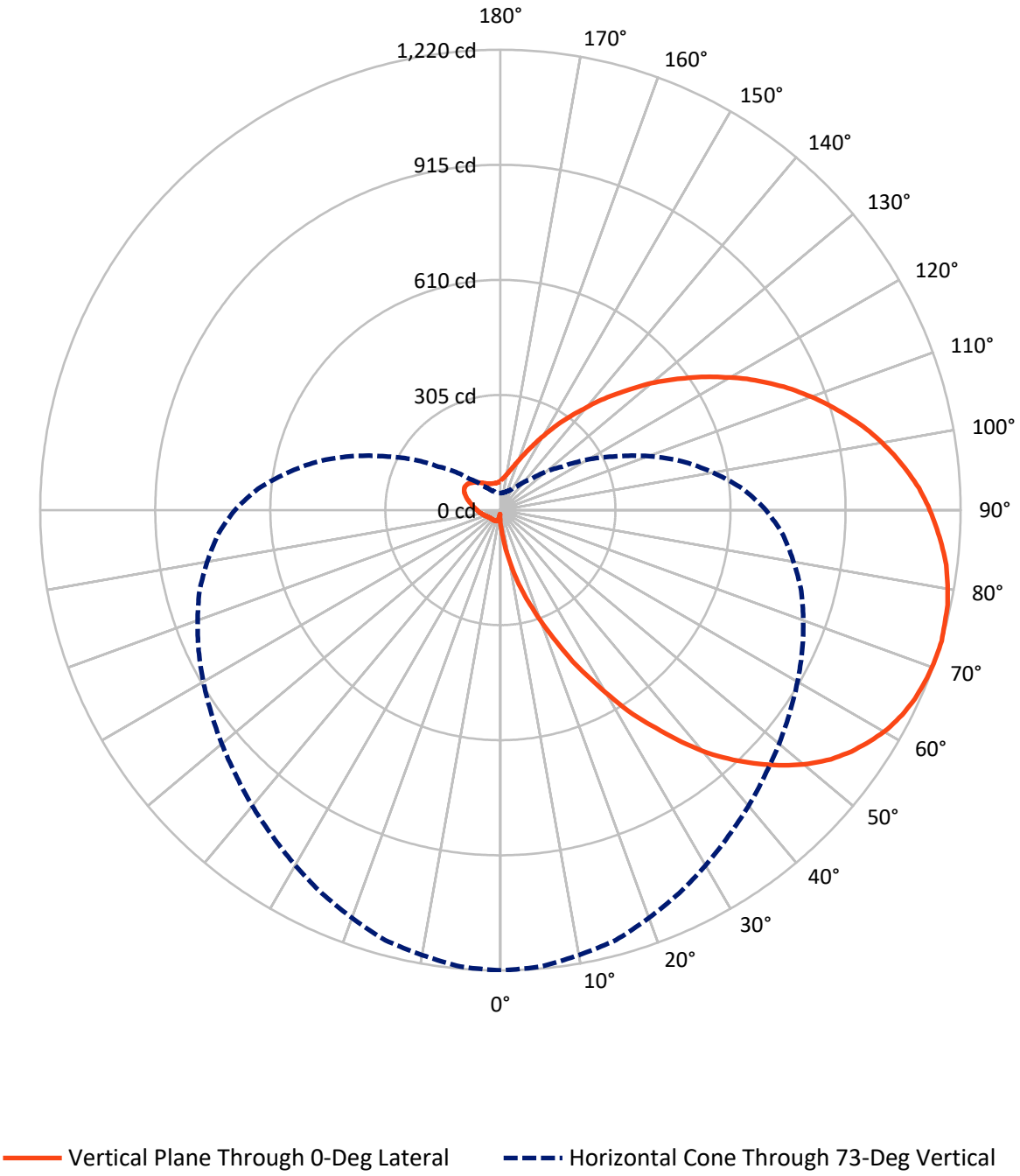
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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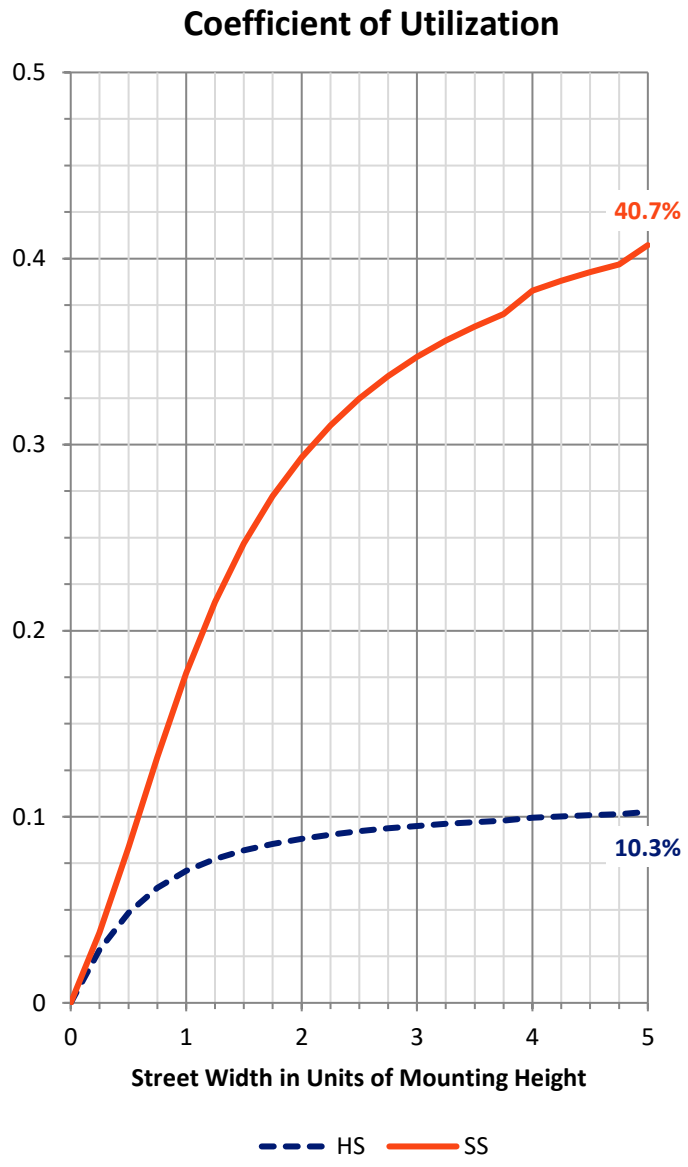
REPORT NUMBER: P1224037
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	614.8	604.1	1218.9
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	2592.0	1739.5	4331.5
	% Fixture	46.7	31.3	78.0
Total	Lumens	3206.8	2343.6	5550.4
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	39.4	0.7
20°-30°	118.8	2.1
30°-40°	247.5	4.5
40°-50°	392.3	7.1
50°-60°	515.3	9.3
60°-70°	600.4	10.8
70°-80°	643.5	11.6
80°-90°	644.0	11.6
90°-100°	603.9	10.9
100°-110°	531.3	9.6
110°-120°	438.7	7.9
120°-130°	330.2	5.9
130°-140°	217.9	3.9
140°-150°	125.0	2.3
150°-160°	62.0	1.1
160°-170°	27.1	0.5
170°-180°	7.6	0.1
0°-90°	3206.8	57.8
0°-180°	5550.4	100.0



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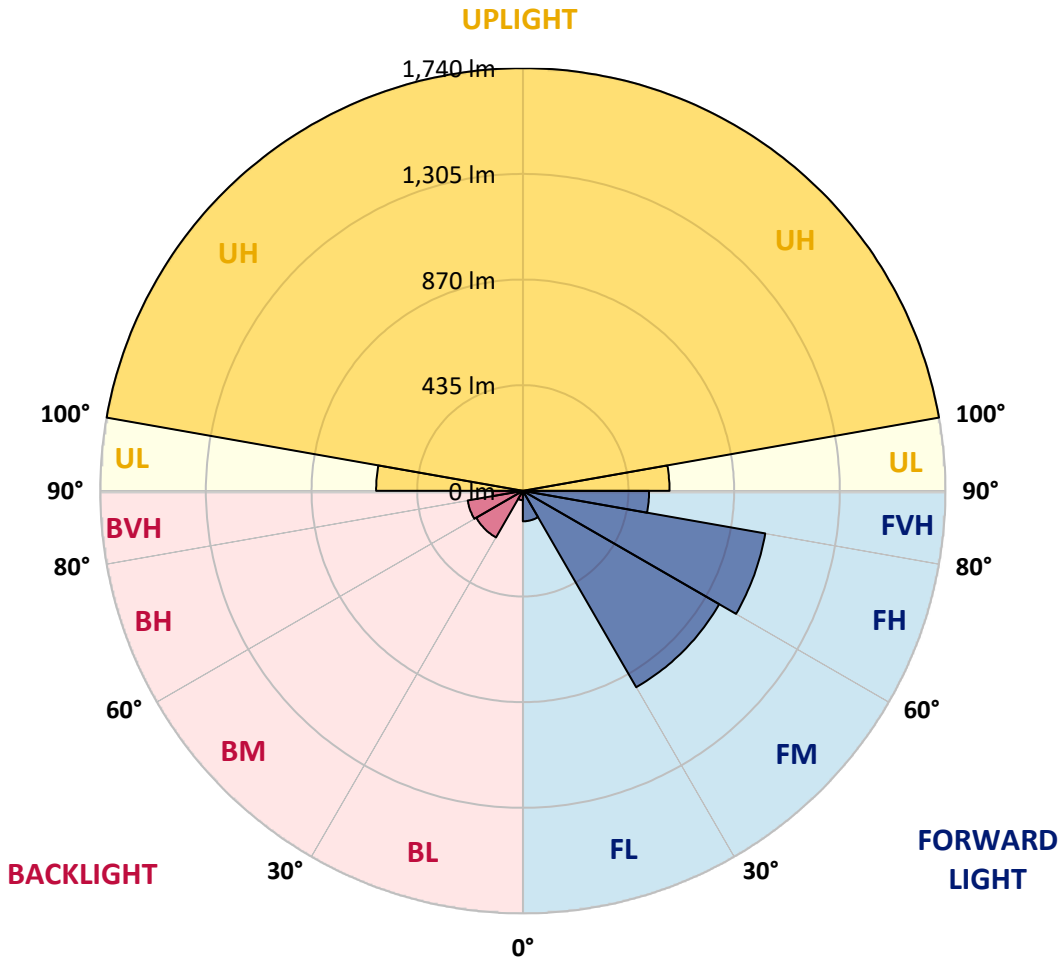
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	125.5	2.3			
FM	(30°-60°)	933.6	16.8			
FH	(60°-80°)	1013.3	18.3			G1/1800
FVH	(80°-90°)	519.7	9.4			G4/750
BL	(0°-30°)	38.4	0.7	B0/110		
BM	(30°-60°)	221.5	4.0	B1/1000		
BH	(60°-80°)	230.6	4.2	B1/500		G1/500
BVH	(80°-90°)	124.3	2.2			G2/225
UL	(90°-100°)	603.9	10.9		U4/1000	
UH	(100°-180°)	1739.7	31.3		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
2.5°	50.1	50.5	50.1	50.8	48.9	48.9	47.4	45.9	44.0	41.7	40.2
5°	74.4	74.0	74.0	74.4	73.2	69.8	66.0	60.7	56.1	51.2	48.6
7.5°	107.0	105.5	103.9	103.6	99.8	94.8	89.5	83.5	77.0	70.2	65.2
10°	141.1	142.3	140.7	136.6	132.0	126.3	119.5	111.1	102.8	93.3	87.6
12.5°	185.1	182.1	178.3	174.1	169.6	164.3	153.3	143.8	132.0	120.3	112.7
15°	228.0	225.3	225.3	220.0	212.8	204.8	194.6	182.8	166.5	147.9	141.1
17.5°	272.0	272.4	268.6	262.5	256.1	245.8	234.8	218.1	201.4	182.1	170.3
20°	323.6	322.1	319.4	314.9	303.5	294.4	280.7	262.1	239.4	215.9	201.4
22.5°	377.1	377.8	377.8	370.6	360.0	347.5	331.9	310.7	283.8	253.4	236.0
25°	443.8	443.5	436.3	427.9	419.6	406.7	386.9	361.1	331.6	295.1	274.6
27.5°	504.5	504.2	502.6	495.1	482.5	465.8	442.7	414.6	380.9	337.2	313.0
30°	572.1	573.6	569.4	563.0	546.6	529.6	502.6	469.6	429.8	382.8	355.5
32.5°	645.3	642.2	638.8	630.5	612.7	588.8	558.4	524.3	480.6	426.8	396.8
35°	708.6	714.3	709.0	696.1	674.1	648.7	615.3	577.0	529.6	471.9	437.8
37.5°	779.9	778.8	770.8	758.3	737.1	704.8	669.6	625.2	572.1	512.1	474.2
40°	846.3	841.8	837.2	818.6	791.7	759.5	715.8	670.7	616.1	548.5	510.2
42.5°	905.1	904.7	892.6	874.0	840.3	804.6	759.5	709.0	652.1	582.3	539.1
45°	959.4	958.2	946.5	918.8	886.9	844.1	797.0	744.7	684.7	611.1	569.8
47.5°	1010.6	1007.6	991.2	963.2	923.0	877.8	829.3	774.3	712.4	636.9	593.7
50°	1057.2	1054.6	1035.6	1000.0	957.1	908.9	855.8	798.9	738.6	662.7	616.1
52.5°	1097.1	1092.5	1070.5	1032.2	983.3	932.4	877.1	820.2	759.1	680.9	635.8
55°	1128.9	1124.0	1100.5	1057.6	1006.4	951.4	895.3	838.7	775.0	697.2	651.0
57.5°	1155.5	1151.7	1125.9	1078.9	1024.2	967.7	910.8	853.2	789.8	712.4	664.2
60°	1178.6	1174.1	1144.9	1096.3	1038.7	980.2	922.2	864.5	802.3	724.2	676.4
62.5°	1195.0	1191.5	1160.8	1108.8	1048.9	989.7	929.8	874.0	811.8	734.8	685.5
65°	1206.7	1202.5	1171.4	1116.4	1055.4	994.3	935.5	878.2	817.9	741.2	692.3
67.5°	1213.5	1210.5	1177.9	1121.7	1058.0	996.6	938.1	882.4	822.8	746.6	697.6
70°	1218.1	1213.5	1180.5	1122.9	1057.2	996.2	938.1	882.7	825.5	750.4	700.7
72.5°	1219.2	1214.3	1180.2	1121.0	1055.0	992.4	936.2	883.1	826.2	752.3	703.7
73°	1219.6	1214.3	1179.8	1120.2	1053.8	992.0	935.9	882.4	825.5	751.9	703.7
75°	1215.4	1212.0	1176.7	1115.7	1050.0	988.2	933.2	880.5	825.5	752.3	703.3
77.5°	1211.3	1206.0	1169.2	1109.2	1041.3	981.4	927.5	876.7	822.8	751.5	702.9
80°	1201.4	1196.1	1159.3	1097.1	1030.3	971.5	919.5	870.6	817.9	747.3	699.9
82.5°	1190.0	1184.0	1145.6	1083.0	1017.0	959.0	909.3	862.6	811.4	742.4	695.3
85°	1173.3	1168.8	1129.7	1066.0	1001.9	946.1	897.5	853.2	803.1	734.8	688.5
87.5°	1154.0	1150.2	1109.6	1046.6	982.5	929.4	883.9	840.6	793.6	726.5	680.9
90°	1133.9	1129.3	1088.7	1024.6	963.5	911.2	868.0	827.4	781.8	716.2	671.1
92.5°	1110.7	1105.4	1064.5	1002.2	942.7	892.6	852.4	812.6	768.6	704.5	660.8
95°	1082.7	1077.7	1037.1	974.9	916.5	871.0	831.9	795.1	753.0	690.4	648.3
97.5°	1052.7	1048.1	1007.2	947.6	891.1	846.3	809.9	776.5	736.3	676.8	634.3
100°	1020.5	1014.4	973.8	916.5	860.7	820.2	787.5	757.6	718.1	659.7	619.1
102.5°	986.3	980.6	941.9	885.8	833.4	794.0	764.4	735.2	699.1	644.1	604.3
105°	947.6	944.6	905.5	851.3	802.3	765.9	738.2	712.8	678.7	625.2	588.8
107.5°	909.3	903.2	866.8	814.8	768.9	735.9	712.0	688.5	657.4	606.2	571.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*868.7*	862.6	830.0	780.3	737.8	706.3	684.3	663.5	635.4	587.6	555.0
112.5°	*827.7*	820.9	788.7	743.1	701.8	676.0	655.9	638.4	613.0	569.0	536.8
115°	*783.4*	780.7	749.2	705.6	669.2	644.9	627.4	611.5	587.6	548.9	519.3
117.5°	*739.7*	734.8	707.5	667.3	633.5	610.8	597.5	583.4	561.8	525.4	499.6
120°	*692.7*	691.6	665.4	627.8	596.3	578.5	565.6	553.9	534.9	501.9	477.6
122.5°	*648.3*	646.0	621.0	587.2	561.1	544.4	534.1	523.9	507.6	476.8	454.1
125°	*601.3*	598.6	578.9	551.2	526.2	510.2	500.4	492.4	477.6	449.9	428.7
127.5°	*557.6*	555.0	537.2	510.6	490.9	476.5	467.4	460.2	445.4	421.5	402.9
130°	*514.4*	509.8	494.3	473.0	453.3	443.5	434.4	429.0	413.9	391.5	375.2
132.5°	*468.1*	465.8	454.8	435.1	419.2	408.9	401.0	394.1	382.4	361.9	347.1
135°	*427.1*	424.9	414.6	397.9	386.9	377.5	370.2	363.0	350.9	331.2	318.7
137.5°	*388.1*	386.2	377.1	365.7	351.7	346.0	341.0	332.3	321.7	303.9	292.5
140°	*347.1*	347.9	340.7	330.4	321.7	314.9	309.9	302.7	292.1	276.9	265.5
142.5°	*313.3*	314.5	305.8	298.5	290.6	285.3	280.3	274.3	264.0	250.4	241.6
145°	*281.5*	278.8	275.4	268.6	261.0	257.6	252.6	247.3	239.4	225.7	218.5
147.5°	*249.2*	248.5	245.1	240.5	234.4	229.1	225.3	222.3	214.3	203.0	196.5
150°	*220.0*	219.3	217.4	214.0	208.6	205.2	202.2	198.0	190.4	181.7	176.0
152.5°	*194.2*	194.2	193.1	188.5	186.3	182.5	178.7	176.4	168.8	161.6	156.7
155°	*171.8*	171.8	170.3	168.1	163.9	161.6	159.3	155.9	150.6	144.9	140.4
157.5°	*152.5*	152.9	151.0	149.1	146.0	144.2	141.9	138.5	135.0	129.7	126.3
160°	*135.4*	135.8	135.0	133.5	130.5	128.6	126.7	124.0	121.0	116.8	113.8
162.5°	*121.8*	121.4	120.6	119.1	117.2	116.1	113.8	111.9	109.3	106.2	103.6
165°	*111.1*	110.0	109.6	108.5	106.6	105.5	103.6	102.0	100.1	97.1	96.0
167.5°	*101.7*	101.7	100.9	100.1	98.6	97.1	95.6	94.5	92.9	91.0	89.5
170°	*94.1*	94.1	93.3	92.6	91.0	90.3	89.1	88.0	86.9	85.4	84.6
172.5°	*88.0*	88.0	87.6	86.5	85.7	84.6	84.2	83.1	81.9	81.2	80.4
175°	*83.5*	83.5	82.7	81.9	81.2	80.4	79.7	79.3	78.9	78.1	77.8
177.5°	*80.0*	79.7	79.3	78.5	77.8	77.4	77.0	76.6	76.6	76.2	75.9
180°	*75.5*	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
2.5°	38.7	35.3	31.5	28.1	26.2	23.5	22.0	21.2	22.0	20.9
5°	45.9	39.8	33.8	29.2	24.3	20.5	17.1	13.7	11.4	11.0
7.5°	61.1	54.2	45.9	38.3	31.5	25.4	20.1	15.9	12.9	12.5
10°	80.8	70.6	59.9	49.3	39.5	31.5	25.0	20.5	19.0	18.6
12.5°	105.5	90.7	75.9	61.8	49.7	39.1	31.9	26.9	24.7	24.3
15°	131.3	112.7	93.7	75.5	59.2	46.3	37.2	31.9	29.2	28.8
17.5°	158.9	134.7	108.9	87.6	68.3	52.7	41.3	34.1	31.1	30.3
20°	187.0	156.7	127.1	99.4	75.9	56.9	43.6	35.3	31.5	30.7
22.5°	218.5	182.1	145.3	110.8	82.7	61.1	45.5	36.0	31.9	31.1
25°	254.2	207.9	164.3	124.0	90.3	64.9	47.4	37.2	32.2	31.5
27.5°	290.6	236.7	183.6	135.8	96.7	67.5	48.9	37.6	32.6	31.9
30°	327.4	265.5	203.3	147.2	102.4	70.6	49.7	37.9	32.6	32.2
32.5°	365.7	292.5	222.3	157.8	107.4	72.5	50.5	38.3	33.0	32.2
35°	400.2	320.9	240.1	168.1	111.9	74.0	50.8	38.3	33.0	32.2
37.5°	433.2	345.2	256.4	176.4	115.3	75.1	51.2	38.3	33.0	32.2
40°	467.7	371.0	271.2	184.0	118.0	75.9	51.2	38.3	33.0	32.6
42.5°	495.8	392.6	283.8	189.3	119.9	75.9	51.2	38.3	33.4	32.6
45°	521.2	410.5	295.9	194.2	121.0	75.9	50.8	38.7	33.4	33.0
47.5°	543.2	428.3	305.0	197.6	121.4	75.9	50.8	38.7	33.8	33.4
50°	563.7	442.7	313.0	200.3	121.8	75.5	50.8	39.1	34.1	33.4
52.5°	581.2	454.5	319.4	201.8	121.0	74.7	50.8	39.5	34.9	34.1
55°	596.0	465.5	324.0	202.6	120.3	74.4	50.8	39.8	35.3	34.9
57.5°	608.1	474.2	328.1	203.0	119.5	74.0	51.2	40.6	36.4	36.0
60°	619.1	481.4	331.2	203.0	118.7	73.6	51.6	41.3	37.2	36.8
62.5°	627.8	487.1	333.4	202.6	118.4	73.6	52.4	42.5	38.3	37.9
65°	633.9	491.3	334.6	201.8	117.6	74.0	53.1	43.6	39.8	39.5
67.5°	639.6	495.1	335.3	201.4	117.2	74.4	54.2	45.1	41.3	41.0
70°	643.0	497.3	335.7	201.1	116.8	75.1	55.4	46.7	43.2	42.9
72.5°	644.5	498.8	336.1	200.3	117.2	75.9	56.9	48.2	45.1	44.8
73°	*644.9*	*498.8*	*335.7*	*200.3*	*117.2*	*76.2*	*57.3*	*48.9*	*45.5*	*45.1*
75°	645.7	498.8	335.3	199.9	117.6	77.0	58.4	50.5	47.0	47.0
77.5°	644.5	498.1	334.6	199.5	118.0	78.5	60.3	52.4	49.3	48.9
80°	642.2	496.2	333.4	199.5	118.7	80.0	62.6	54.6	51.6	51.2
82.5°	637.3	492.8	331.9	199.2	119.9	81.9	64.9	56.9	54.2	53.9
85°	632.4	488.6	329.7	199.2	121.4	84.2	67.1	59.6	56.9	56.5
87.5°	624.8	483.7	327.4	198.8	122.9	86.1	69.4	62.2	59.2	59.2
90°	616.1	478.4	325.1	199.2	124.4	88.8	72.5	65.2	62.2	61.8
92.5°	607.3	472.3	322.4	199.9	127.1	91.4	75.5	68.3	65.2	64.5
95°	595.6	463.9	319.4	200.3	129.4	94.5	78.5	71.3	68.3	68.3
97.5°	583.4	456.4	316.0	201.4	132.4	98.3	82.7	75.1	72.1	72.1
100°	570.5	448.4	313.7	202.6	135.4	102.4	86.5	78.9	75.9	75.9
102.5°	556.9	439.7	311.4	204.8	140.0	106.6	91.0	83.5	80.0	80.0
105°	542.8	431.3	309.2	207.5	144.5	111.9	96.0	88.4	85.0	85.0
107.5°	529.2	423.4	307.3	210.9	149.5	117.2	100.9	93.3	89.9	89.1

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

Scaled Data Report

REPORT NUMBER: P1224037
CATALOG NUMBER: FFX-CLB-40-730-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	514.8	415.0	305.8	214.3	155.2	123.3	107.0	98.3	94.5	94.5
112.5°	499.2	406.3	304.6	217.7	161.2	129.4	112.3	103.6	99.8	99.0
115°	482.9	397.6	302.3	221.5	166.5	135.4	118.0	108.1	103.9	103.6
117.5°	467.0	387.3	299.7	224.2	171.5	140.4	122.5	112.7	108.1	107.7
120°	448.4	375.9	295.1	225.0	175.3	144.2	126.3	115.7	111.1	110.4
122.5°	427.9	361.1	288.7	224.2	177.2	146.8	128.6	118.0	112.7	112.3
125°	404.8	344.8	280.3	221.5	177.5	147.9	129.4	118.4	113.4	112.7
127.5°	380.5	328.5	269.3	216.2	175.3	147.2	128.6	117.6	112.3	111.9
130°	355.5	309.2	256.4	209.4	171.5	144.5	126.7	115.7	110.4	110.0
132.5°	330.4	288.7	242.4	200.3	166.2	140.4	123.3	112.7	107.7	107.0
135°	303.5	268.6	228.0	190.8	158.9	135.8	119.1	108.9	103.9	103.6
137.5°	278.8	247.7	213.2	180.2	152.1	129.7	114.6	105.1	100.9	100.1
140°	254.5	227.6	197.3	168.8	143.4	123.7	109.3	100.9	96.7	96.4
142.5°	232.2	209.0	183.2	157.8	135.4	117.6	104.7	96.7	93.3	92.6
145°	209.0	189.7	168.4	146.4	126.7	111.1	99.8	92.6	89.5	88.8
147.5°	188.9	171.8	153.6	135.0	118.7	104.7	94.8	88.8	86.1	85.7
150°	169.9	155.5	139.6	124.4	110.0	98.6	90.3	85.0	82.7	82.3
152.5°	152.9	140.4	127.5	114.6	102.4	93.3	86.1	81.6	79.7	79.7
155°	136.9	126.7	116.5	105.8	96.4	88.8	83.1	79.3	77.8	77.4
157.5°	123.3	115.3	107.0	98.3	91.0	84.6	80.0	77.4	75.9	75.9
160°	111.5	105.5	98.6	92.2	86.5	81.2	77.8	75.5	74.4	74.4
162.5°	102.0	97.1	91.8	86.9	81.9	78.5	75.9	74.4	73.6	73.6
165°	94.1	90.7	86.9	82.7	79.3	76.6	74.7	73.6	73.2	73.2
167.5°	88.4	85.4	82.3	79.7	77.4	75.1	74.0	73.2	73.2	72.8
170°	83.5	81.6	78.9	77.0	75.1	74.0	73.2	72.8	72.8	72.5
172.5°	79.7	78.1	76.6	75.1	74.0	73.2	72.8	72.8	72.8	72.8
175°	77.4	76.2	75.1	74.4	73.6	72.8	72.8	73.2	73.2	73.2
177.5°	75.5	75.1	74.4	74.0	73.6	73.6	73.6	74.0	74.4	74.4
180°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5

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: SP1-2501-332-4

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

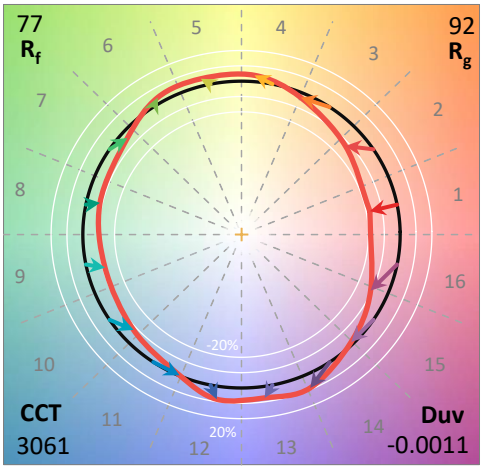
Test Information

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

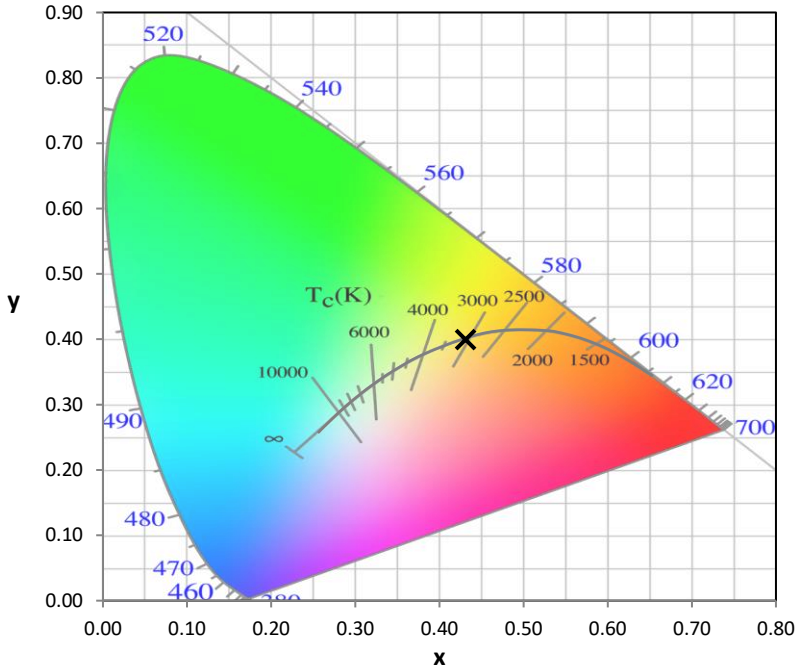
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

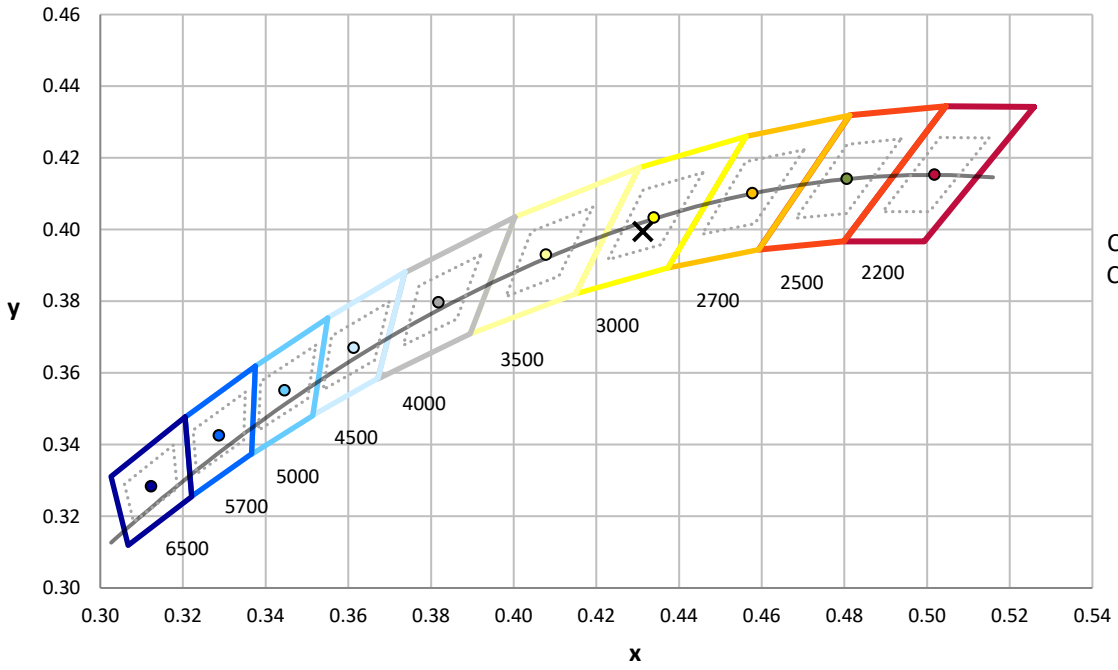
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

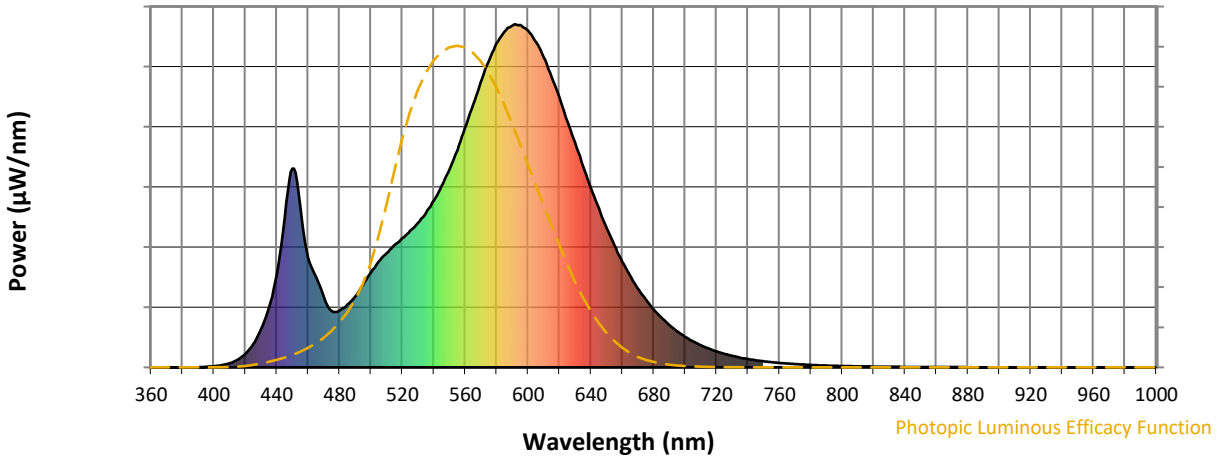


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

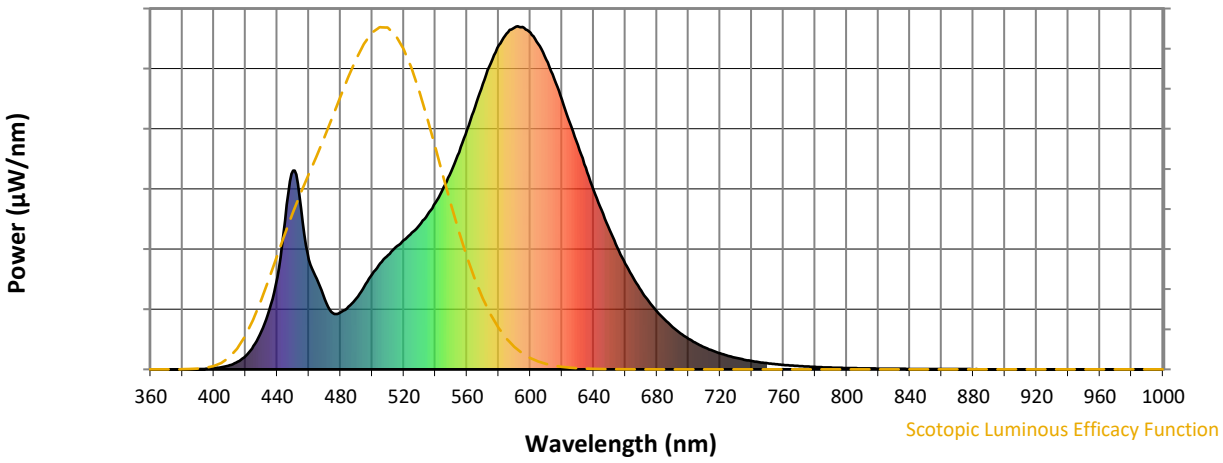


Photopic Lumens: NR

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

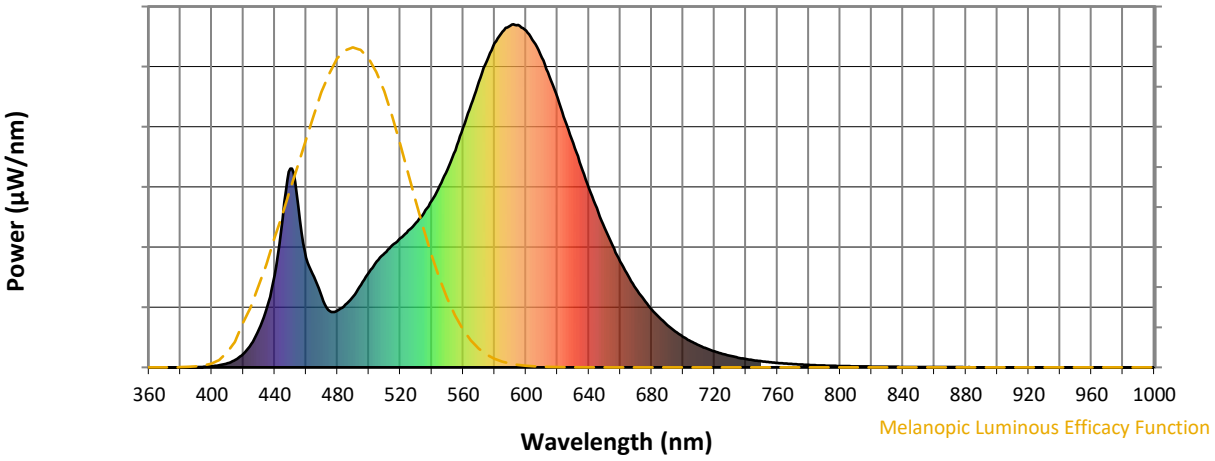


Scotopic Lumens: NR **S/P: 1.29**

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			

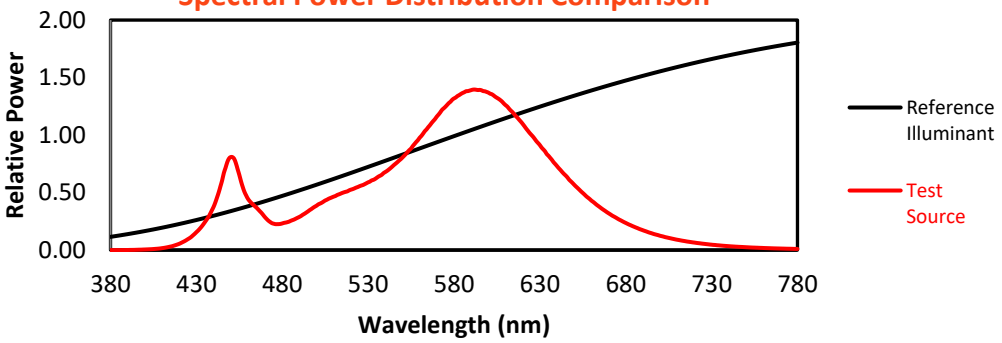
REPORT NUMBER: SP1-2501-332-4

TM-30-18

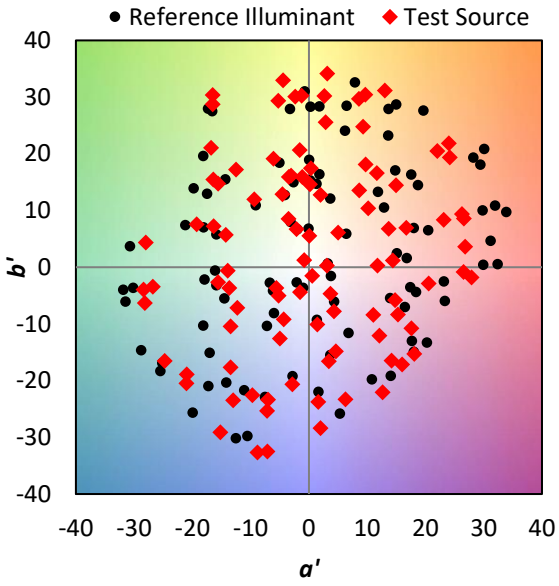
Summary

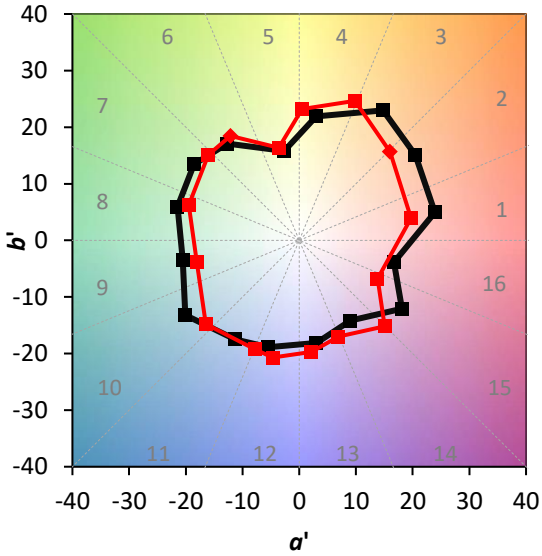
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

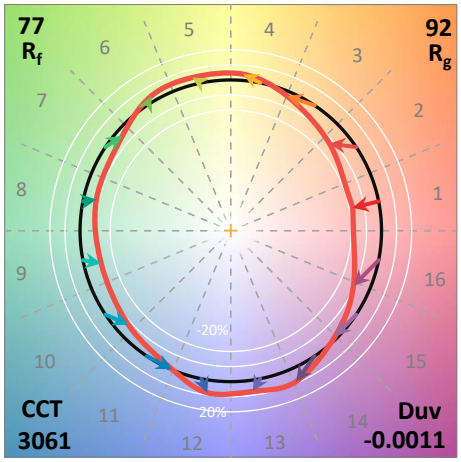
Spectral Power Distribution Comparison

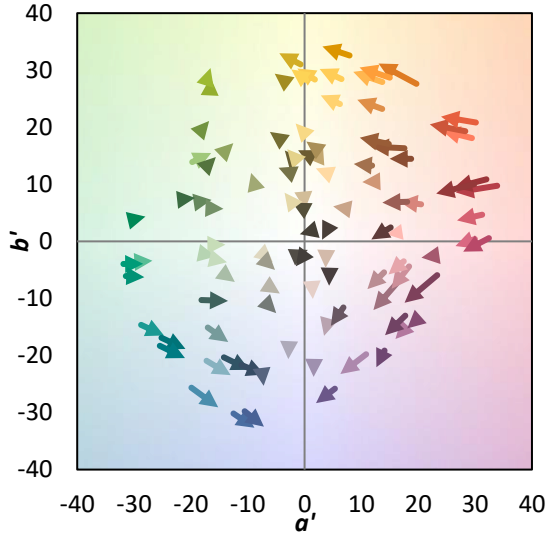


Color Vector Graphics







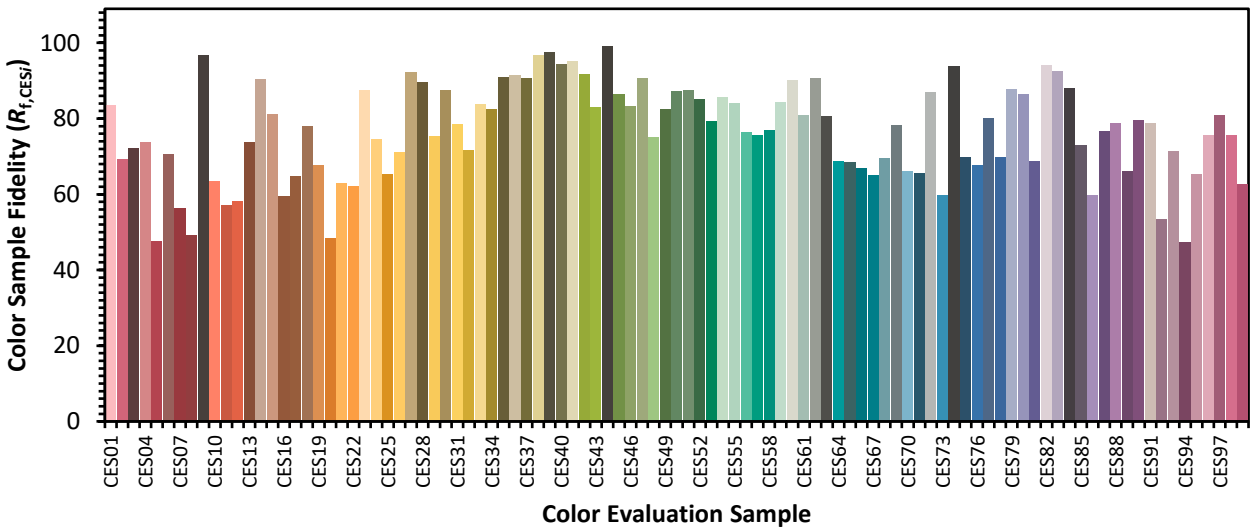


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

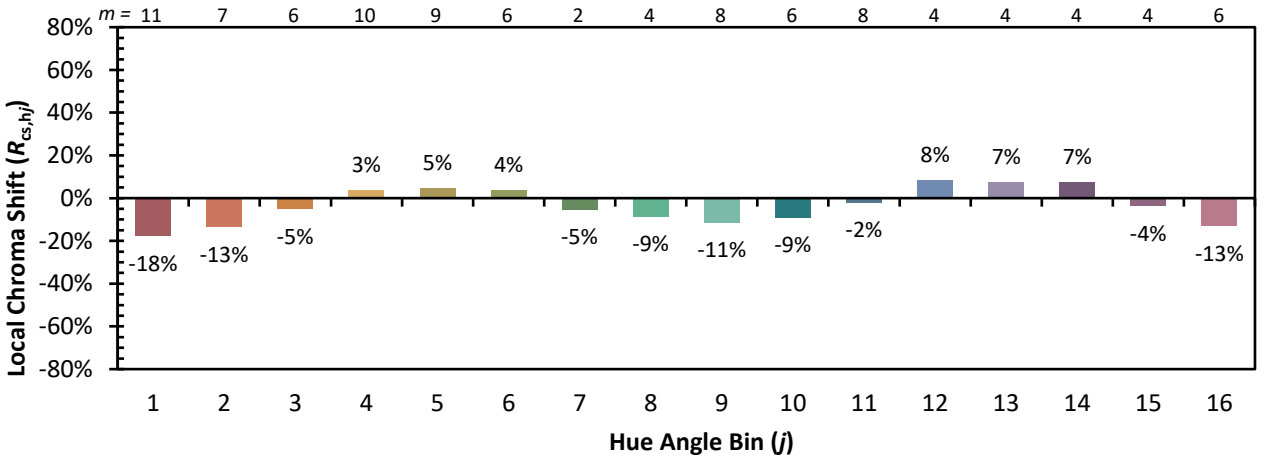
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

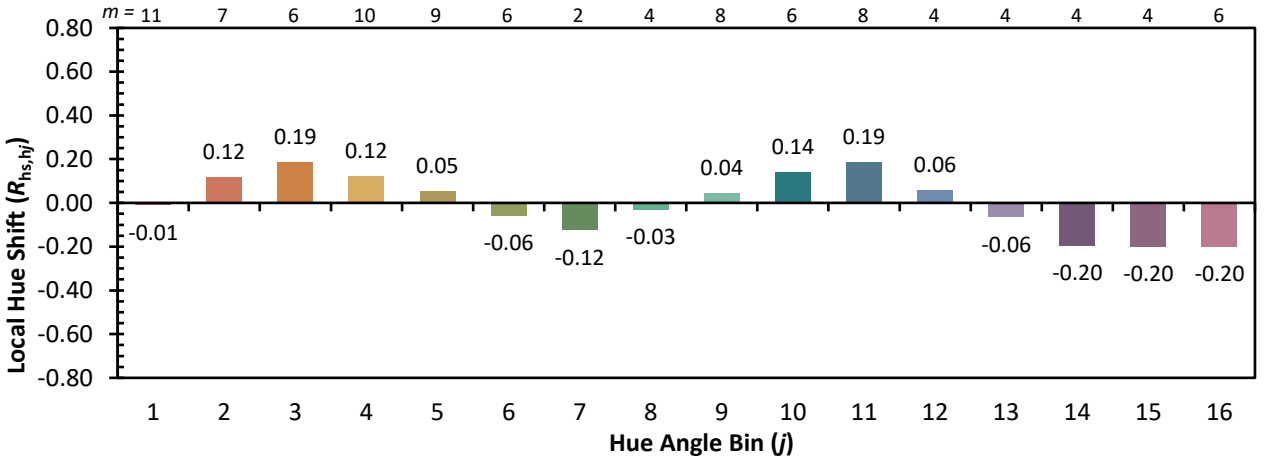


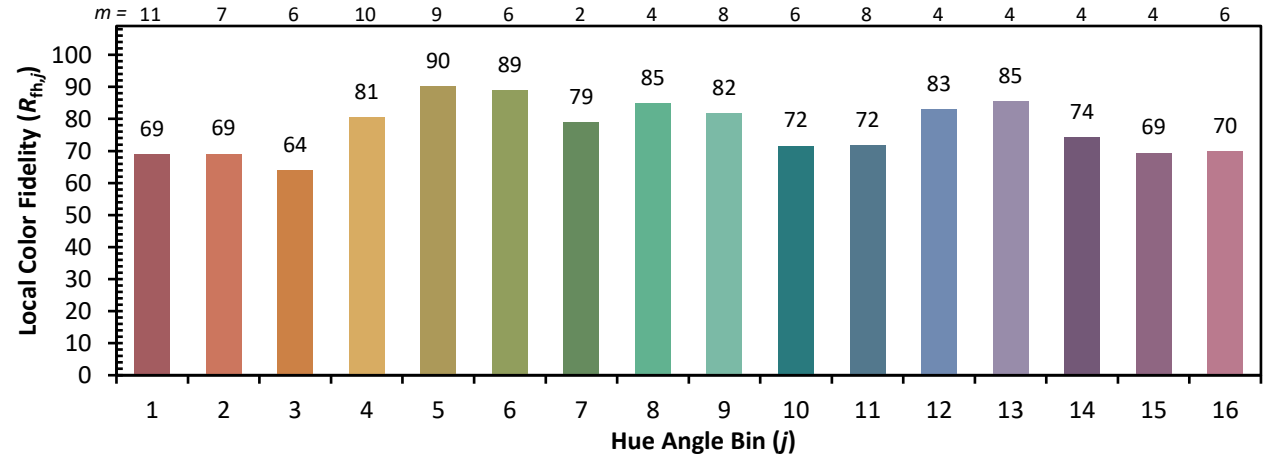
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Color Rendition by Hue-Angle Bin



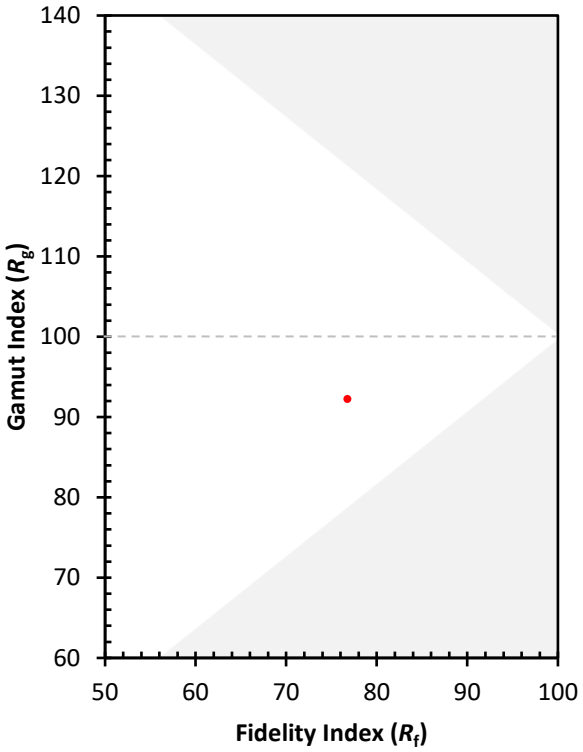


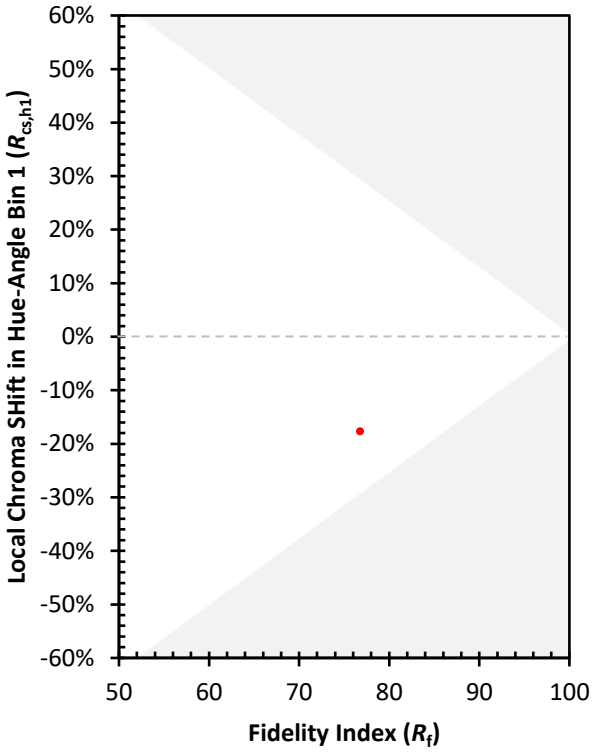


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Measure Comparisons





(END OF REPORT)