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: P856221

Luminaire Tested: **FFX-CLB-70-740-U-FR-T3-UPLR**

Issue Date: 07/16/2024

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P856221
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-740-U-FR-T3-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11104.8 lumens
Efficiency:	N/A
Efficacy:	158.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B3 - U4 - G4

Input Watts (W):	70.3
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	7.1%%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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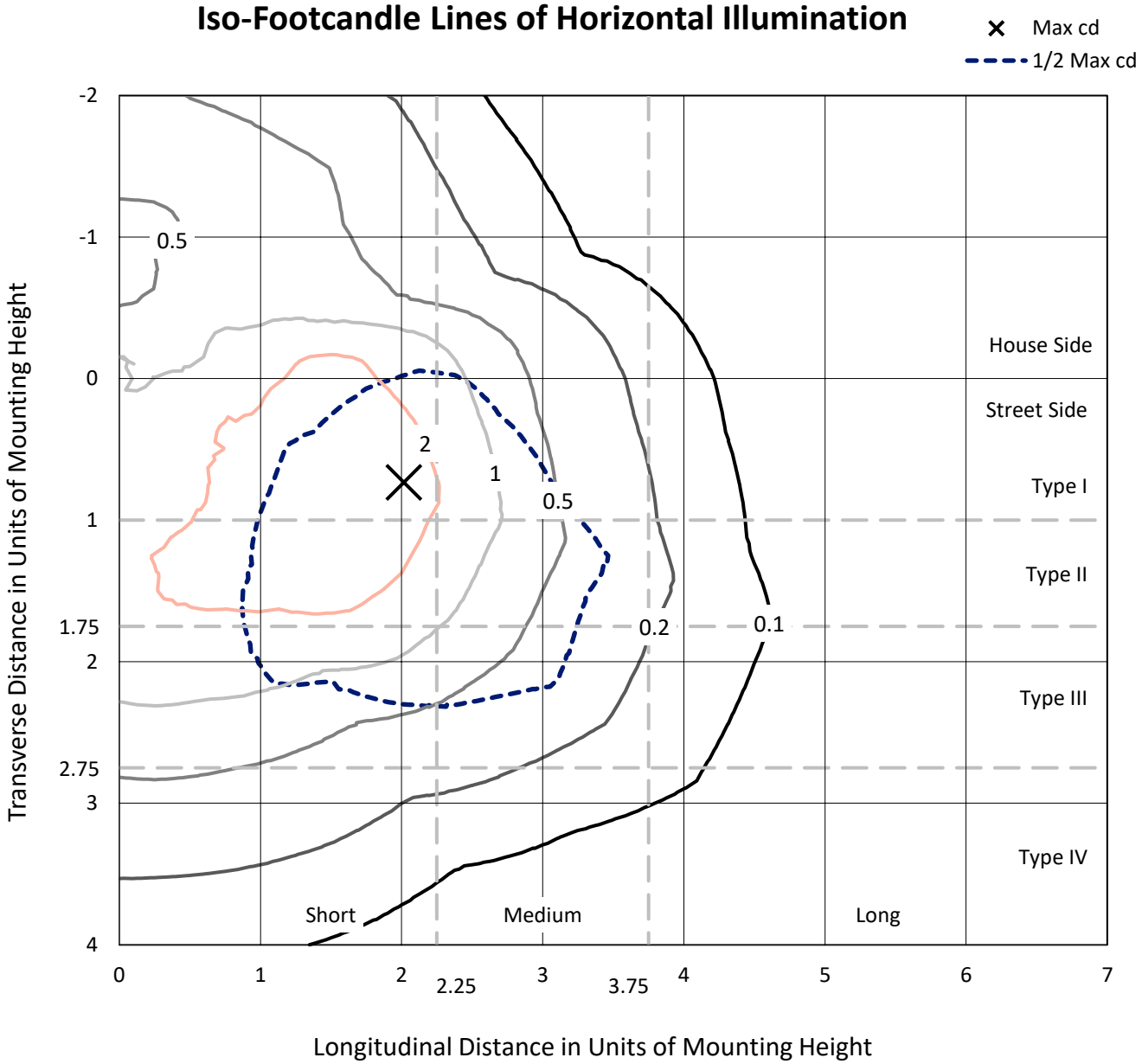
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
Type III - Short - N/A

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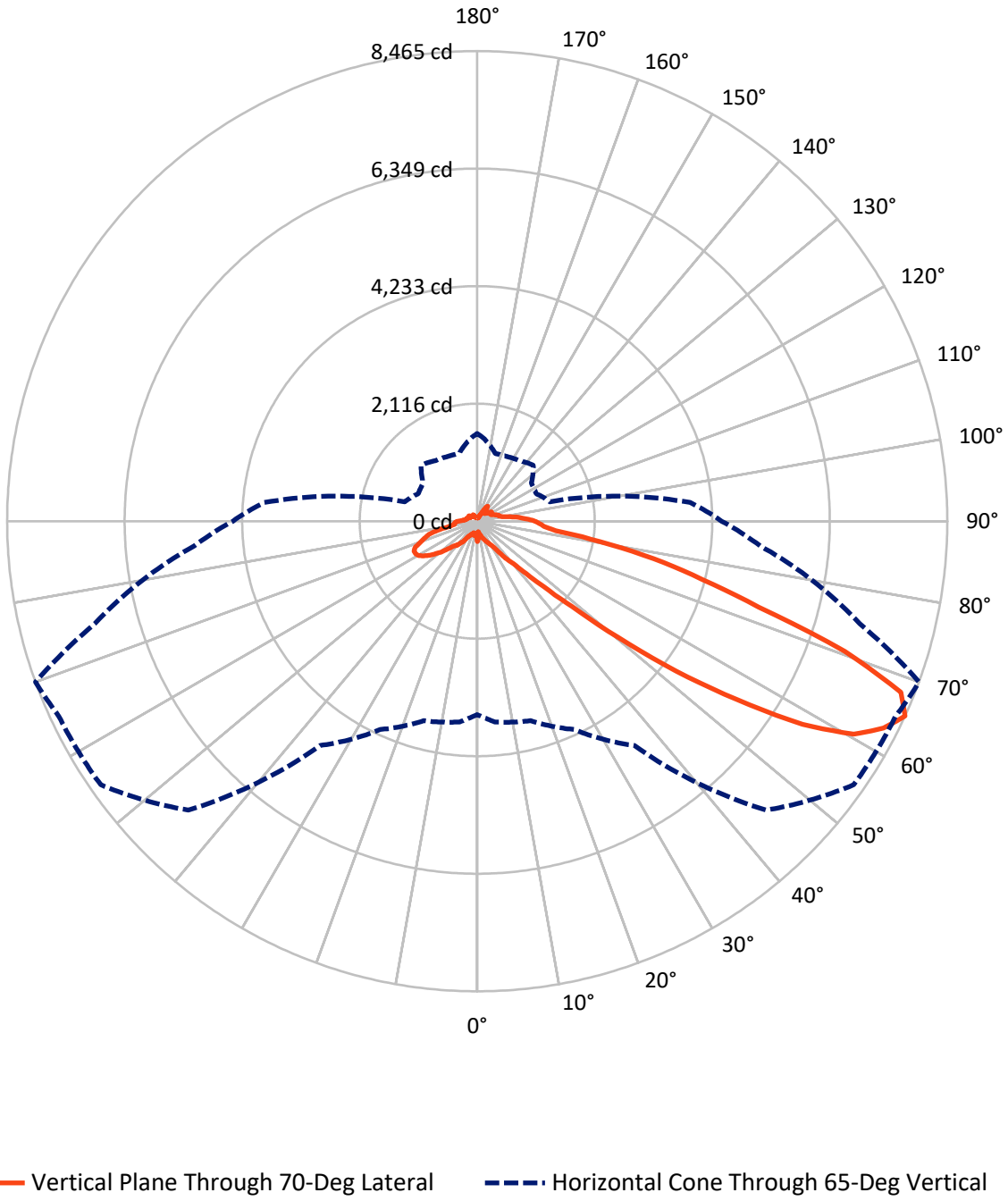
Luminous Intensity Polar Plot



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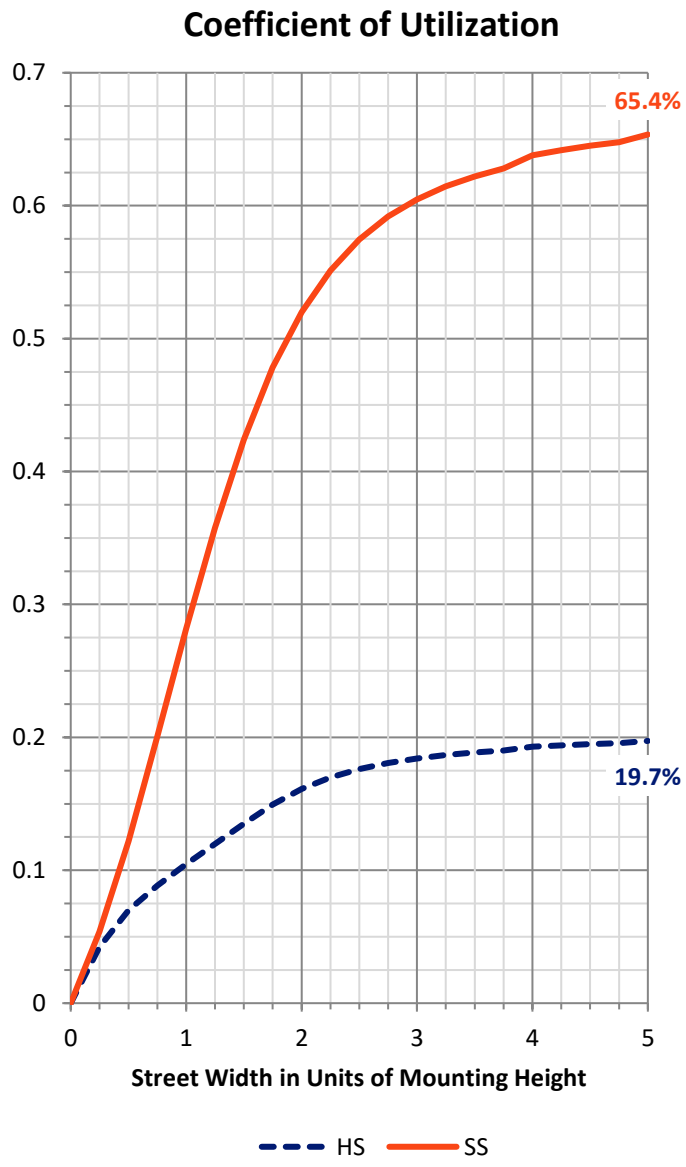
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2277.6	426.7	2704.3
	% Fixture	20.5	3.8	24.4
Street Side	Lumens	7510.4	890.2	8400.5
	% Fixture	67.6	8.0	75.6
Total	Lumens	9788.0	1316.8	11104.8
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.2
10°-20°	74.3	0.7
20°-30°	149.9	1.3
30°-40°	317.1	2.9
40°-50°	739.5	6.7
50°-60°	2203.9	19.8
60°-70°	3531.4	31.8
70°-80°	2028.7	18.3
80°-90°	719.5	6.5
90°-100°	424.4	3.8
100°-110°	256.4	2.3
110°-120°	192.8	1.7
120°-130°	163.2	1.5
130°-140°	108.4	1.0
140°-150°	101.8	0.9
150°-160°	45.1	0.4
160°-170°	18.7	0.2
170°-180°	6.2	0.1
0°-90°	9788.0	88.1
0°-180°	11104.8	100.0



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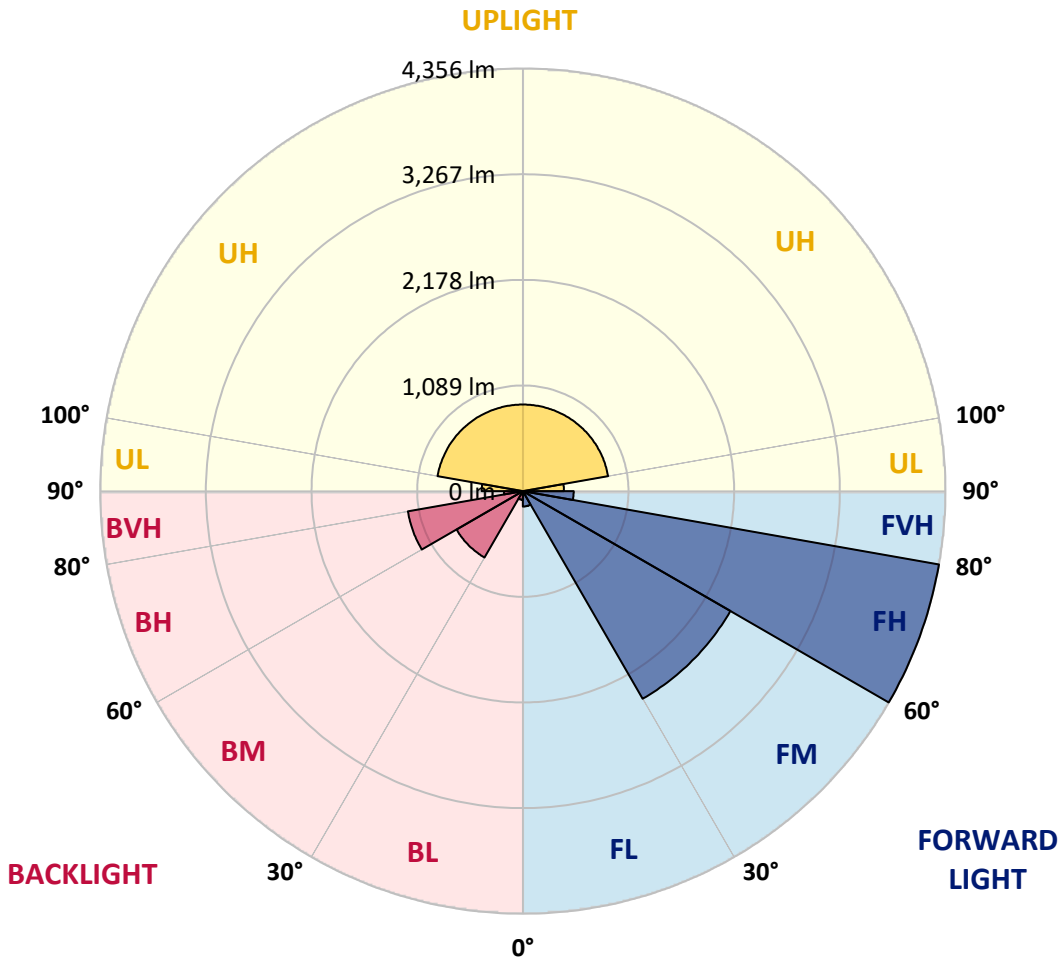
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	159.1	1.4			
FM	(30°-60°)	2470.9	22.3			
FH	(60°-80°)	4356.3	39.2			G2/5000
FVH	(80°-90°)	524.1	4.7			G4/750
BL	(0°-30°)	88.7	0.8	B0/110		
BM	(30°-60°)	789.6	7.1	B1/1000		
BH	(60°-80°)	1203.9	10.8	B3/2500		G3/2500
BVH	(80°-90°)	195.4	1.8			G2/225
UL	(90°-100°)	424.4	3.8		U3/500	
UH	(100°-180°)	892.5	8.0		U4/1000	

BUG Rating: B3-U4-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4
2.5°	307.2	304.8	310.7	315.4	321.3	313.0	298.9	313.0	317.8	331.9	342.5
5°	261.3	262.4	268.3	281.3	293.0	290.7	254.2	207.1	193.0	187.1	188.3
7.5°	258.9	257.7	254.2	253.0	260.1	286.0	282.4	248.3	222.4	200.1	177.7
10°	273.0	276.6	280.1	280.1	275.4	258.9	257.7	255.4	246.0	235.4	221.3
12.5°	337.8	342.5	346.0	334.2	318.9	302.5	289.5	268.3	258.9	253.0	242.4
15°	408.4	413.1	407.2	384.8	357.8	327.2	315.4	316.6	303.6	288.3	266.0
17.5°	446.0	443.7	419.0	393.1	371.9	348.4	331.9	321.3	316.6	310.7	288.3
20°	422.5	416.6	401.3	390.7	388.4	375.4	364.8	355.4	349.5	336.6	309.5
22.5°	404.8	404.8	402.5	400.1	414.3	408.4	403.7	390.7	382.5	366.0	326.0
25°	427.2	427.2	428.4	424.8	443.7	443.7	443.7	429.6	419.0	395.4	347.2
27.5°	459.0	457.8	461.3	459.0	475.5	479.0	486.0	475.5	460.2	431.9	370.7
30°	493.1	493.1	496.6	499.0	515.5	523.7	531.9	527.2	508.4	474.3	410.7
32.5°	529.6	528.4	539.0	550.8	560.2	575.5	579.0	590.8	572.0	531.9	469.6
35°	582.6	586.1	614.3	639.0	666.1	675.5	692.0	737.9	719.1	664.9	593.1
37.5°	842.6	825.0	817.9	789.7	786.1	841.5	861.5	905.0	867.4	794.4	684.9
40°	893.2	872.1	862.6	835.6	845.0	959.1	939.1	1095.7	1003.9	887.4	816.7
42.5°	841.5	837.9	948.6	969.7	958.0	1139.2	1100.4	1389.9	1292.2	1021.5	942.7
45°	1015.6	1006.2	1053.3	1091.0	1120.4	1446.4	1422.8	1727.6	1685.3	1244.0	1166.3
47.5°	1146.3	1136.9	1191.0	1316.9	1488.7	1841.8	1979.5	2439.7	2296.1	1711.2	1534.6
50°	1537.0	1531.1	1677.0	1812.4	2096.0	2617.4	2995.1	3491.8	3281.1	2390.2	2065.4
52.5°	1906.5	1925.4	2096.0	2356.1	2656.2	3597.7	4136.7	4485.1	4482.7	3112.8	2651.5
55°	2171.3	2234.9	2436.1	2905.7	3322.3	4467.4	5194.7	5452.4	5669.0	4153.2	3229.3
57.5°	2685.6	2796.2	2989.2	3454.1	3991.9	5519.5	6557.5	6515.2	6904.7	5232.4	3857.8
60°	3214.0	3343.5	3408.2	3835.4	4541.5	6532.8	7494.3	7395.4	7787.3	6171.5	4519.2
62.5°	3378.8	3505.9	3569.4	4034.3	4938.1	7107.1	7926.2	7965.1	8208.7	6841.1	4911.1
65°	3482.4	3628.3	3720.1	4139.1	4929.9	7357.8	8275.7	8312.2	8465.2	7129.5	5113.5
67.5°	3463.5	3627.1	3744.8	4120.2	4656.9	7149.5	8188.7	8023.9	8228.7	6923.5	4900.5
70°	3089.3	3231.7	3349.4	3638.9	3887.2	6023.2	7084.8	6812.9	7024.7	5784.3	4046.1
72.5°	2524.4	2583.2	2685.6	2822.1	2945.7	4468.6	5404.2	5171.2	5293.6	4339.1	3031.6
75°	2073.6	2061.9	2153.7	2252.5	2213.7	3264.6	4275.6	4062.6	4176.7	3295.2	2418.5
77.5°	1537.0	1531.1	1664.1	1655.9	1597.0	2260.8	3389.4	3235.2	3250.5	2433.8	1811.2
80°	923.8	941.5	1071.0	1096.8	1027.4	1418.1	2419.6	2346.7	2237.2	1662.9	1269.8
82.5°	648.5	675.5	743.8	772.0	737.9	1035.6	1602.9	1552.3	1422.8	1206.3	894.4
85°	661.4	666.1	674.3	676.7	661.4	929.7	1244.0	1215.7	1207.5	1010.9	737.9
87.5°	661.4	672.0	679.1	677.9	650.8	870.9	1147.4	1102.7	1113.3	945.0	713.2
90°	593.1	612.0	610.8	614.3	592.0	787.3	1040.4	1003.9	1018.0	852.1	648.5
92.5°	484.9	497.8	510.8	535.5	502.5	669.6	879.1	845.0	862.6	725.0	552.0
95°	450.7	462.5	470.7	483.7	450.7	595.5	777.9	736.7	743.8	615.5	467.2
97.5°	364.8	371.9	381.3	383.7	360.1	457.8	592.0	556.7	561.4	477.8	367.2
100°	306.0	311.9	320.1	320.1	304.8	379.0	468.4	449.6	447.2	390.7	310.7
102.5°	289.5	291.9	304.8	302.5	287.2	349.5	423.7	411.9	413.1	362.5	291.9
105°	284.8	284.8	297.7	291.9	278.9	333.1	396.6	393.1	391.9	344.8	280.1
107.5°	280.1	280.1	293.0	287.2	276.6	314.2	373.1	361.3	360.1	328.3	264.8
110°	261.3	264.8	278.9	271.9	263.6	296.6	342.5	334.2	334.2	309.5	253.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	231.8	234.2	247.1	241.3	235.4	263.6	303.6	293.0	*294.2*	277.7	236.6
115°	216.5	220.1	233.0	224.8	220.1	246.0	281.3	274.2	*276.6*	261.3	223.6
117.5°	217.7	218.9	228.3	229.5	220.1	241.3	260.1	262.4	*266.0*	256.6	227.1
120°	264.8	258.9	263.6	257.7	253.0	277.7	300.1	302.5	*301.3*	283.6	226.0
122.5°	267.1	255.4	268.3	260.1	255.4	282.4	307.2	313.0	*307.2*	291.9	230.7
125°	213.0	216.5	217.7	220.1	224.8	254.2	267.1	268.3	*269.5*	264.8	223.6
127.5°	187.1	185.9	180.1	181.2	191.8	217.7	227.1	234.2	*229.5*	227.1	201.2
130°	178.9	181.2	180.1	180.1	185.9	206.0	213.0	223.6	*220.1*	215.4	183.6
132.5°	164.8	167.1	177.7	190.7	188.3	195.4	197.7	208.3	*209.5*	209.5	184.8
135°	156.5	158.9	167.1	183.6	178.9	182.4	181.2	190.7	*191.8*	193.0	174.2
137.5°	160.1	161.2	156.5	158.9	162.4	177.7	182.4	191.8	*191.8*	187.1	162.4
140°	168.3	168.3	157.7	154.2	161.2	184.8	194.2	209.5	*207.1*	198.9	168.3
142.5°	155.3	157.7	163.6	170.6	185.9	250.7	250.7	280.1	*289.5*	291.9	203.6
145°	202.4	203.6	206.0	209.5	238.9	328.3	298.9	320.1	*328.3*	336.6	244.8
147.5°	233.0	235.4	233.0	223.6	250.7	281.3	267.1	276.6	*286.0*	288.3	246.0
150°	182.4	180.1	178.9	177.7	207.1	216.5	204.8	203.6	*210.7*	216.5	190.7
152.5°	133.0	131.8	130.6	129.5	155.3	149.5	141.2	141.2	*143.6*	144.8	134.2
155°	117.7	116.5	114.2	115.3	131.8	125.9	118.9	116.5	*118.9*	117.7	111.8
157.5°	96.5	94.1	94.1	98.9	107.1	100.0	95.3	91.8	*93.0*	91.8	93.0
160°	80.0	78.9	80.0	85.9	90.6	84.7	80.0	77.7	*77.7*	80.0	84.7
162.5°	71.8	70.6	71.8	74.1	76.5	70.6	67.1	67.1	*68.3*	73.0	82.4
165°	62.4	62.4	63.6	64.7	65.9	62.4	61.2	61.2	*63.6*	70.6	81.2
167.5°	60.0	60.0	60.0	60.0	60.0	58.8	57.7	61.2	*63.6*	67.1	74.1
170°	58.8	57.7	58.8	58.8	58.8	58.8	58.8	62.4	*62.4*	63.6	67.1
172.5°	60.0	60.0	60.0	61.2	63.6	64.7	63.6	65.9	*64.7*	64.7	64.7
175°	61.2	61.2	62.4	63.6	64.7	65.9	67.1	67.1	*67.1*	68.3	68.3
177.5°	61.2	61.2	62.4	63.6	64.7	62.4	60.0	58.8	*57.7*	57.7	57.7
180°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	*54.1*	54.1	54.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4
2.5°	333.1	303.6	262.4	280.1	334.2	323.6	269.5	236.6	238.9	262.4	264.8
5°	194.2	200.1	227.1	283.6	294.2	243.6	196.5	189.5	228.3	282.4	293.0
7.5°	175.4	175.4	197.7	275.4	309.5	254.2	191.8	173.0	202.4	247.1	254.2
10°	211.8	204.8	207.1	235.4	248.3	203.6	171.8	163.6	180.1	185.9	183.6
12.5°	238.9	243.6	266.0	260.1	203.6	165.9	155.3	154.2	163.6	169.5	168.3
15°	256.6	248.3	231.8	213.0	194.2	173.0	157.7	148.3	137.7	133.0	133.0
17.5°	273.0	256.6	227.1	209.5	190.7	175.4	161.2	147.1	142.4	143.6	143.6
20°	293.0	273.0	246.0	226.0	203.6	182.4	164.8	149.5	145.9	147.1	145.9
22.5°	308.3	290.7	262.4	236.6	213.0	189.5	171.8	156.5	151.8	150.6	150.6
25°	327.2	311.9	282.4	250.7	222.4	200.1	184.8	167.1	158.9	156.5	156.5
27.5°	351.9	338.9	306.0	271.9	238.9	213.0	196.5	177.7	165.9	161.2	160.1
30°	389.5	371.9	335.4	293.0	258.9	231.8	211.8	188.3	174.2	165.9	164.8
32.5°	446.0	423.7	375.4	322.5	281.3	253.0	228.3	198.9	181.2	171.8	170.6
35°	566.1	541.4	480.2	406.0	346.0	288.3	249.5	210.7	188.3	176.5	175.4
37.5°	641.4	596.7	522.5	455.4	382.5	348.4	298.9	247.1	197.7	182.4	180.1
40°	750.8	693.2	600.2	509.6	381.3	380.1	347.2	301.3	233.0	193.0	189.5
42.5°	832.0	757.9	641.4	540.2	384.8	395.4	367.2	327.2	276.6	224.8	218.9
45°	998.0	903.8	719.1	567.3	389.5	413.1	384.8	342.5	297.7	261.3	257.7
47.5°	1308.7	1178.0	869.7	619.0	442.5	471.9	421.3	371.9	328.3	291.9	283.6
50°	1742.9	1586.4	1052.1	664.9	533.1	600.2	517.8	442.5	390.7	362.5	354.2
52.5°	2252.5	2077.2	1166.3	736.7	642.6	757.9	667.3	579.0	510.8	515.5	510.8
55°	2821.0	2613.8	1266.3	845.0	782.6	933.3	834.4	757.9	721.4	823.8	829.7
57.5°	3369.4	3148.1	1328.7	959.1	939.1	1135.7	1020.3	966.2	980.3	1280.4	1351.0
60°	3893.1	3543.6	1376.9	1066.2	1071.0	1294.6	1206.3	1195.7	1239.2	1624.1	1731.2
62.5°	4195.5	3746.0	1374.6	1135.7	1153.3	1392.2	1314.6	1320.4	1353.4	1680.6	1770.0
65°	*4401.5*	*3848.4*	*1351.0*	*1171.0*	*1188.6*	*1427.5*	*1327.5*	*1281.6*	*1260.4*	*1484.0*	*1579.4*
67.5°	4277.9	3650.6	1294.6	1140.4	1163.9	1371.1	1246.3	1131.0	1094.5	1215.7	1272.2
70°	3616.5	3050.4	1153.3	1036.8	1052.1	1156.9	1050.9	925.0	888.5	952.1	978.0
72.5°	2732.7	2342.0	1034.5	958.0	921.5	956.8	853.2	721.4	713.2	747.3	752.0
75°	2183.1	1838.3	942.7	863.8	766.1	802.6	677.9	536.7	526.1	528.4	516.6
77.5°	1645.3	1367.5	793.2	680.2	580.2	640.2	503.7	370.7	353.1	346.0	333.1
80°	1126.3	949.7	539.0	455.4	411.9	469.6	358.9	271.9	270.7	268.3	254.2
82.5°	799.1	733.2	440.1	387.2	349.5	369.5	311.9	254.2	248.3	249.5	234.2
85°	699.1	663.8	424.8	391.9	355.4	354.2	297.7	237.7	235.4	236.6	222.4
87.5°	668.5	629.6	415.4	374.2	338.9	321.3	262.4	209.5	215.4	218.9	206.0
90°	599.0	559.0	376.6	334.2	300.1	269.5	222.4	189.5	198.9	201.2	189.5
92.5°	504.9	463.7	293.0	268.3	251.9	247.1	208.3	180.1	187.1	188.3	178.9
95°	427.2	389.5	255.4	236.6	224.8	223.6	188.3	163.6	167.1	165.9	157.7
97.5°	343.6	316.6	223.6	206.0	193.0	185.9	161.2	142.4	147.1	149.5	143.6
100°	293.0	277.7	208.3	193.0	177.7	168.3	147.1	131.8	136.5	141.2	136.5
102.5°	275.4	263.6	204.8	188.3	171.8	160.1	140.0	123.6	125.9	131.8	128.3
105°	261.3	250.7	198.9	181.2	165.9	153.0	136.5	116.5	115.3	121.2	120.0
107.5°	246.0	236.6	195.4	174.2	157.7	145.9	130.6	111.8	107.1	110.6	109.4
110°	237.7	228.3	188.3	165.9	148.3	137.7	123.6	108.3	102.4	103.6	103.6

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

Scaled Data Report

REPORT NUMBER: P856221
CATALOG NUMBER: FFX-CLB-70-740-U-FR-T3-UPLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	221.3	210.7	173.0	151.8	137.7	128.3	114.2	103.6	96.5	98.9	100.0
115°	210.7	196.5	158.9	143.6	128.3	120.0	111.8	102.4	94.1	94.1	95.3
117.5°	217.7	190.7	148.3	136.5	128.3	125.9	123.6	109.4	93.0	91.8	91.8
120°	208.3	191.8	161.2	157.7	149.5	142.4	127.1	108.3	90.6	88.3	88.3
122.5°	203.6	200.1	182.4	170.6	155.3	141.2	118.9	98.9	87.1	84.7	84.7
125°	201.2	197.7	176.5	154.2	134.2	120.0	105.9	93.0	85.9	82.4	82.4
127.5°	184.8	168.3	142.4	129.5	116.5	110.6	98.9	90.6	82.4	77.7	77.7
130°	170.6	155.3	133.0	118.9	108.3	103.6	95.3	87.1	78.9	74.1	73.0
132.5°	168.3	153.0	129.5	111.8	102.4	97.7	93.0	83.6	74.1	69.4	68.3
135°	156.5	138.9	115.3	105.9	100.0	96.5	93.0	81.2	71.8	67.1	67.1
137.5°	144.8	127.1	109.4	104.7	100.0	96.5	85.9	74.1	67.1	63.6	63.6
140°	145.9	125.9	111.8	108.3	101.2	90.6	81.2	73.0	67.1	62.4	61.2
142.5°	155.3	130.6	113.0	102.4	97.7	91.8	88.3	78.9	67.1	58.8	56.5
145°	170.6	141.2	127.1	122.4	114.2	103.6	90.6	73.0	61.2	54.1	53.0
147.5°	188.3	158.9	142.4	129.5	113.0	95.3	77.7	63.6	54.1	51.8	50.6
150°	163.6	135.3	122.4	104.7	90.6	76.5	63.6	56.5	51.8	50.6	50.6
152.5°	123.6	101.2	90.6	82.4	74.1	67.1	60.0	55.3	51.8	49.4	49.4
155°	107.1	95.3	84.7	76.5	68.3	61.2	55.3	53.0	49.4	49.4	48.3
157.5°	94.1	88.3	74.1	67.1	61.2	57.7	55.3	51.8	50.6	49.4	49.4
160°	85.9	82.4	68.3	62.4	58.8	56.5	56.5	54.1	50.6	49.4	49.4
162.5°	83.6	80.0	65.9	60.0	56.5	57.7	60.0	58.8	54.1	51.8	51.8
165°	82.4	80.0	67.1	58.8	56.5	57.7	63.6	64.7	58.8	55.3	54.1
167.5°	75.3	74.1	70.6	64.7	61.2	61.2	64.7	65.9	63.6	63.6	62.4
170°	68.3	68.3	69.4	70.6	68.3	64.7	62.4	62.4	65.9	69.4	70.6
172.5°	65.9	67.1	69.4	73.0	73.0	68.3	64.7	63.6	67.1	71.8	73.0
175°	69.4	70.6	71.8	71.8	69.4	68.3	67.1	65.9	68.3	73.0	74.1
177.5°	57.7	57.7	58.8	58.8	57.7	58.8	57.7	55.3	55.3	55.3	55.3
180°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-1

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

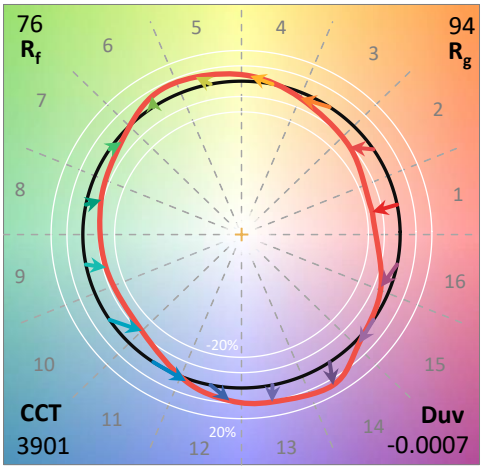
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2406-133-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	07/12/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3901	CRI (Ra):	74.5		
CIE u':	0.2273	R1:	71.8	R9:	-23.4
CIE v':	0.5026	R2:	81.9	R10:	56.6
Duv:	-0.0007	R3:	89.3	R11:	68.4
CIE x:	0.3844	R4:	72.6	R12:	46.6
CIE y:	0.3776	R5:	71.3	R13:	73.7
CIE z:	0.2380	R6:	74.0	R14:	93.9
Peak Wavelength (nm):	451	R7:	81.5	R15:	65.1
Dominant Wavelength (nm):	579	R8:	53.3		
Purity:	28.6799				
Rf:	76.2				
Rg:	94.4				



Test Conditions

Stabilization Time:	0.818109M
Operation Time:	1H
Sphere Temperature (°C):	24.6

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

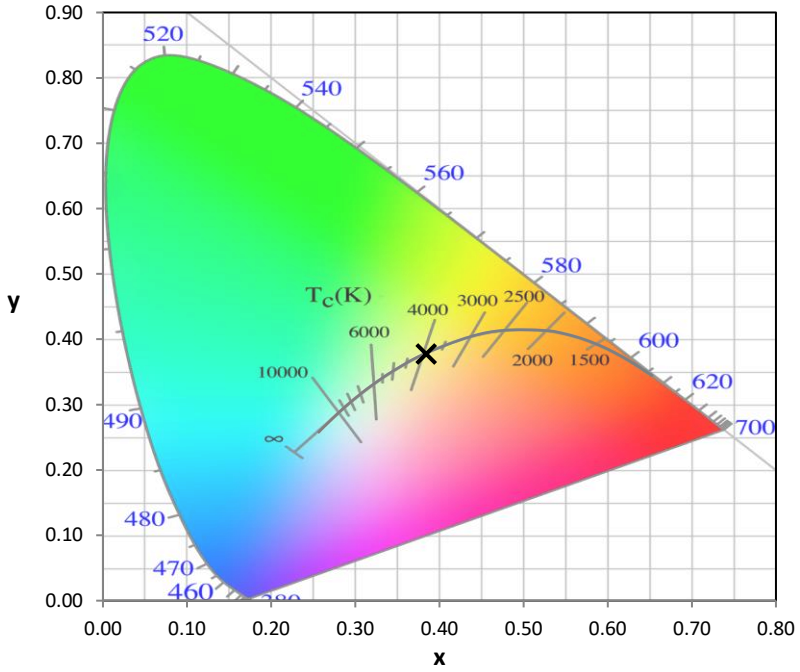
REPORT NUMBER: SP1-2406-133-1

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

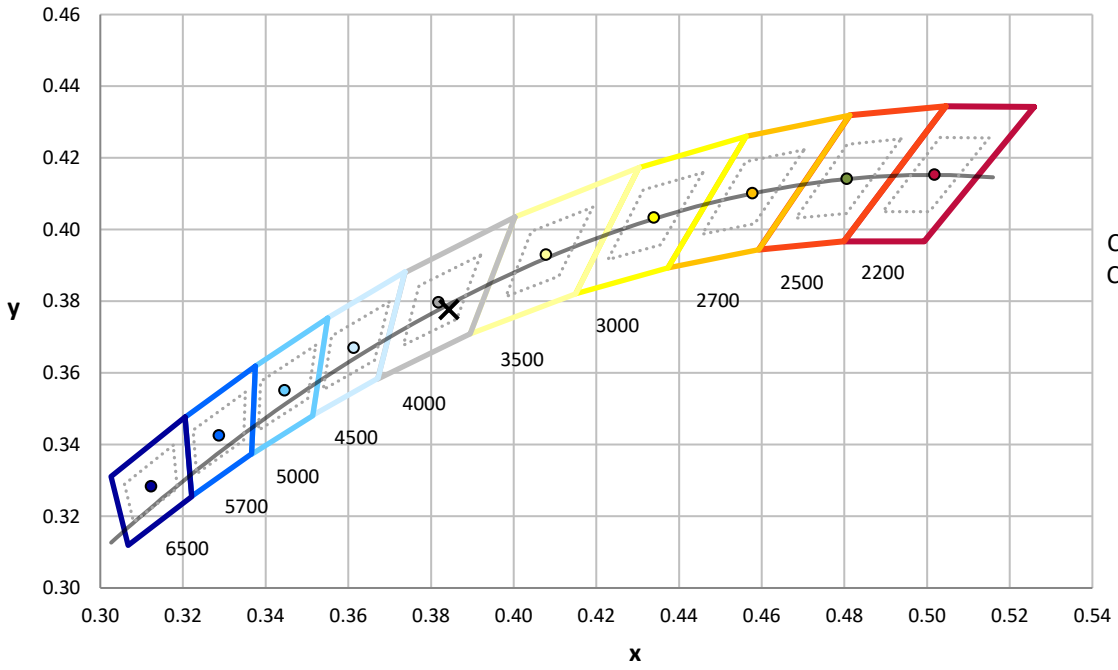
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-1

CIE 1931 Chromaticity Diagram



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



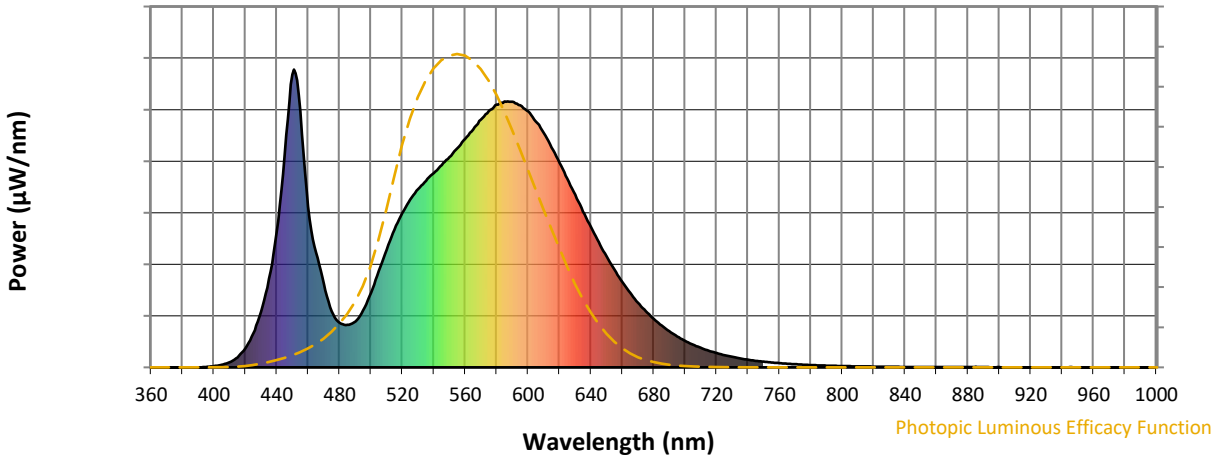
CCT = 3901K
CIE x = 0.3844
CIE y = 0.3776
Duv = -0.0007

Point lies inside the ANSI 4000K 4-step quadrangle

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

REPORT NUMBER: SP1-2406-133-1

Photopic Flux vs. Wavelength



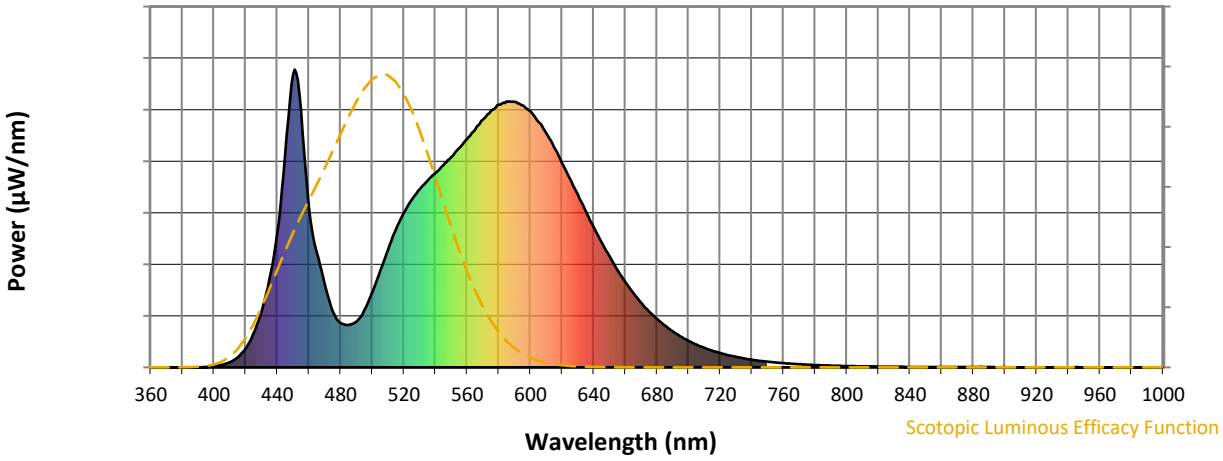
Photopic Lumens: NR

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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

REPORT NUMBER: SP1-2406-133-1

Scotopic Flux vs. Wavelength



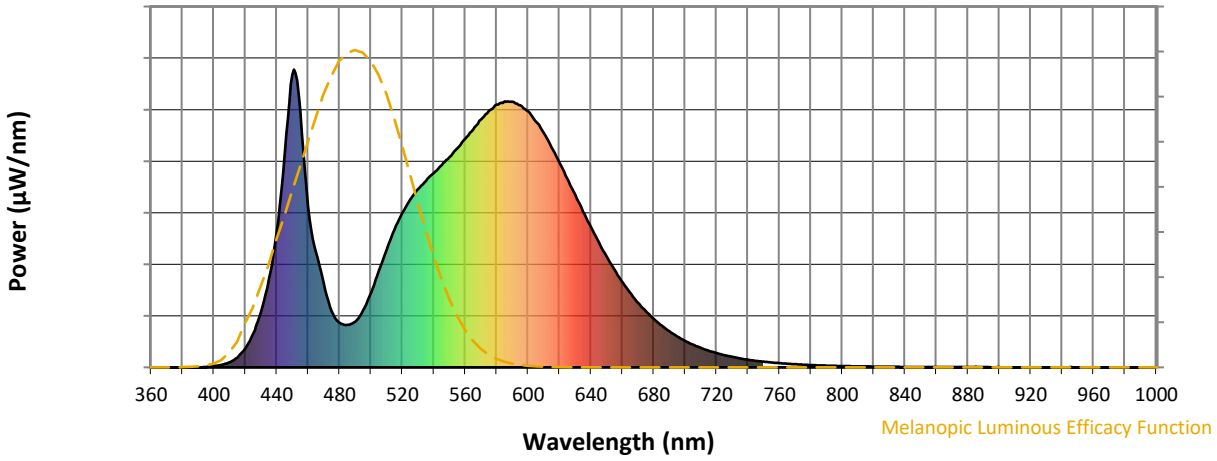
Scotopic Lumens: NR **S/P: 1.53**

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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

REPORT NUMBER: SP1-2406-133-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.04**

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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

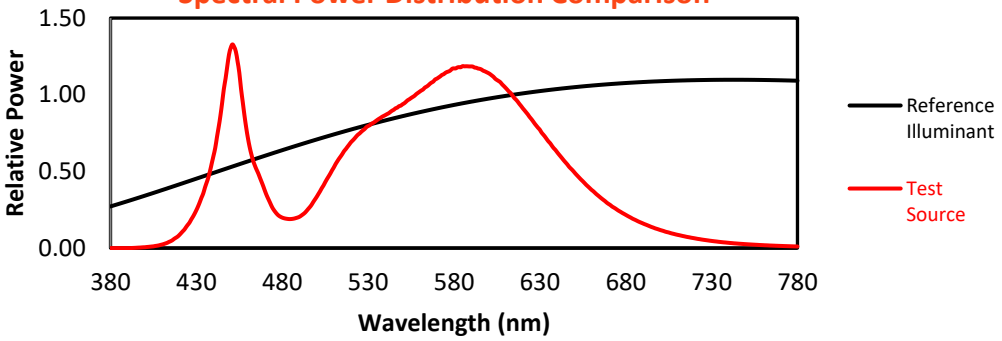
REPORT NUMBER: SP1-2406-133-1

TM-30-18

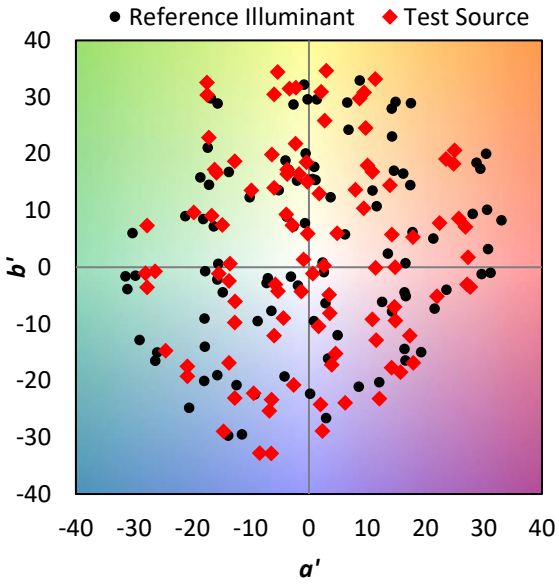
Summary

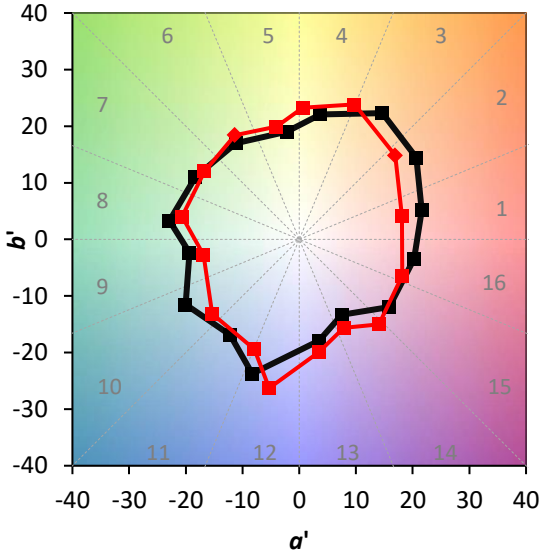
R_f = 76.2
R_g = 94.4
CIE R_a = 74.5
R_9 = -23.4

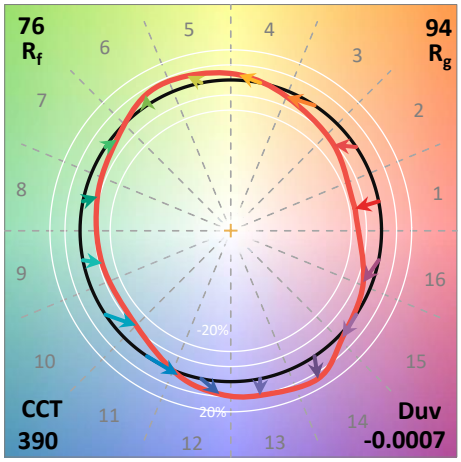
Spectral Power Distribution Comparison

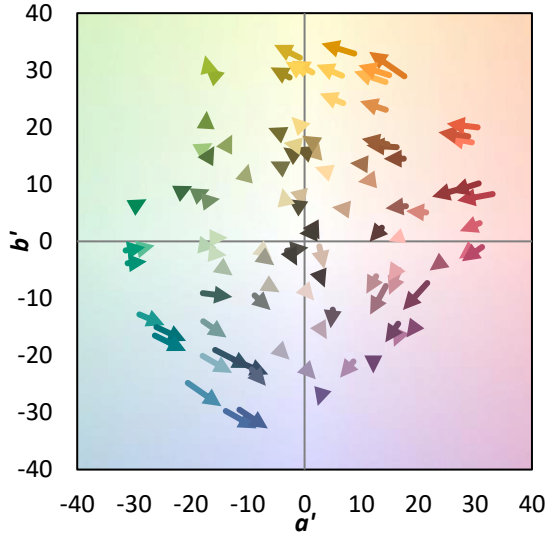


Color Vector Graphics









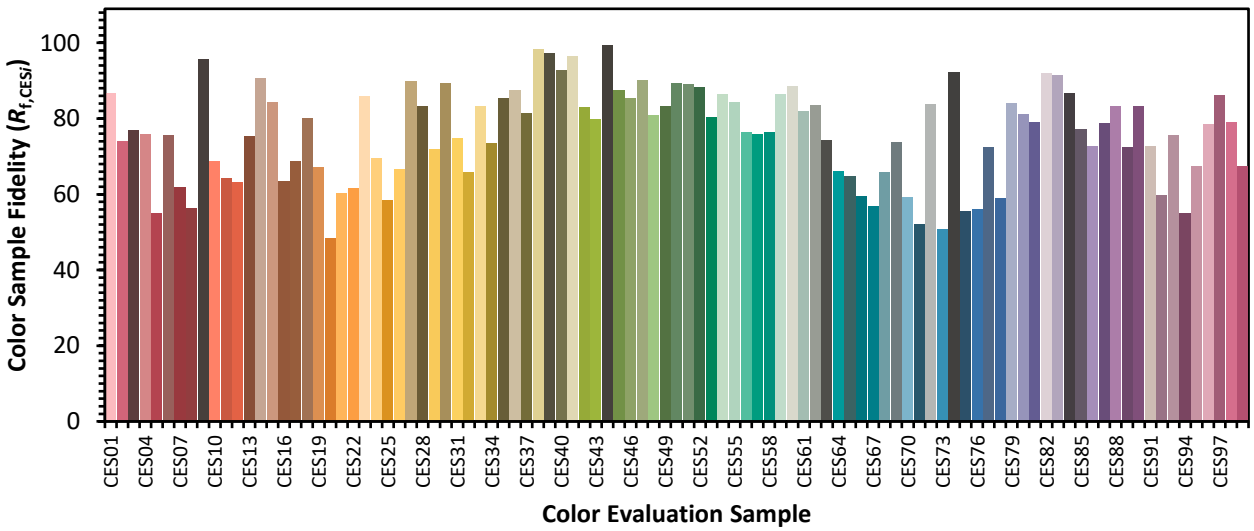
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2406-133-1

TM-30-18

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

CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
CES25 = 72	CES50 = 89	CES75 = 56	



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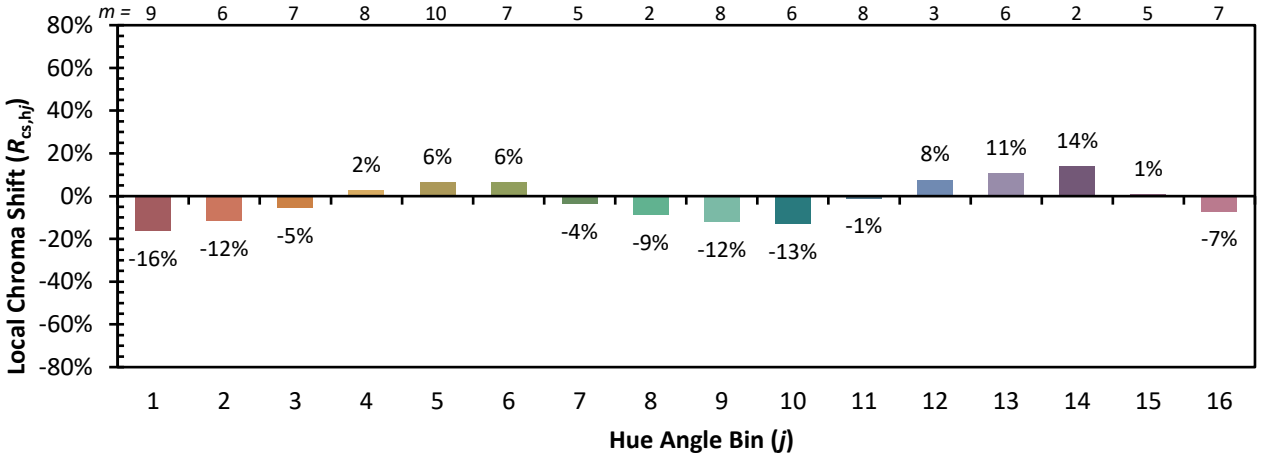
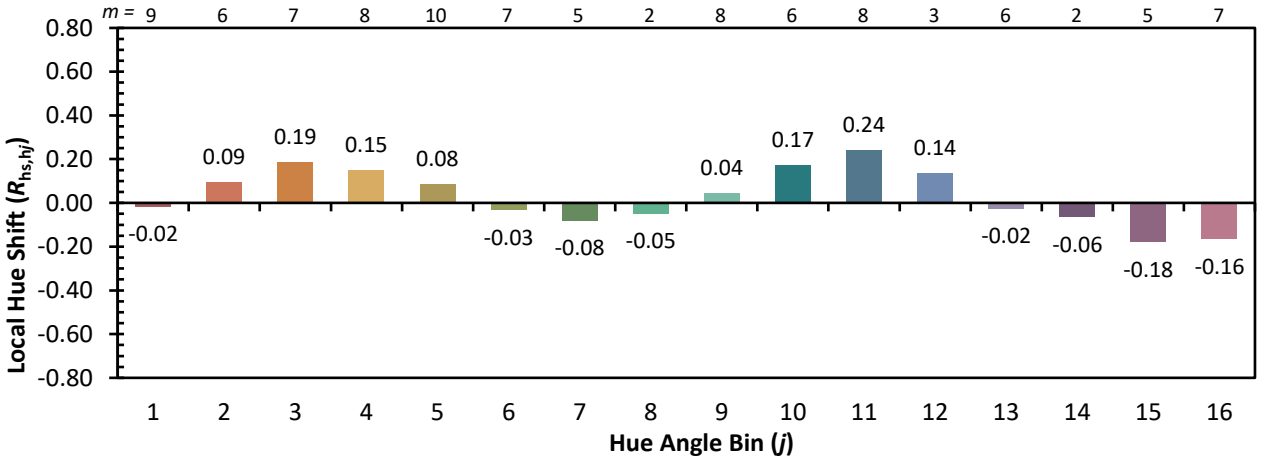
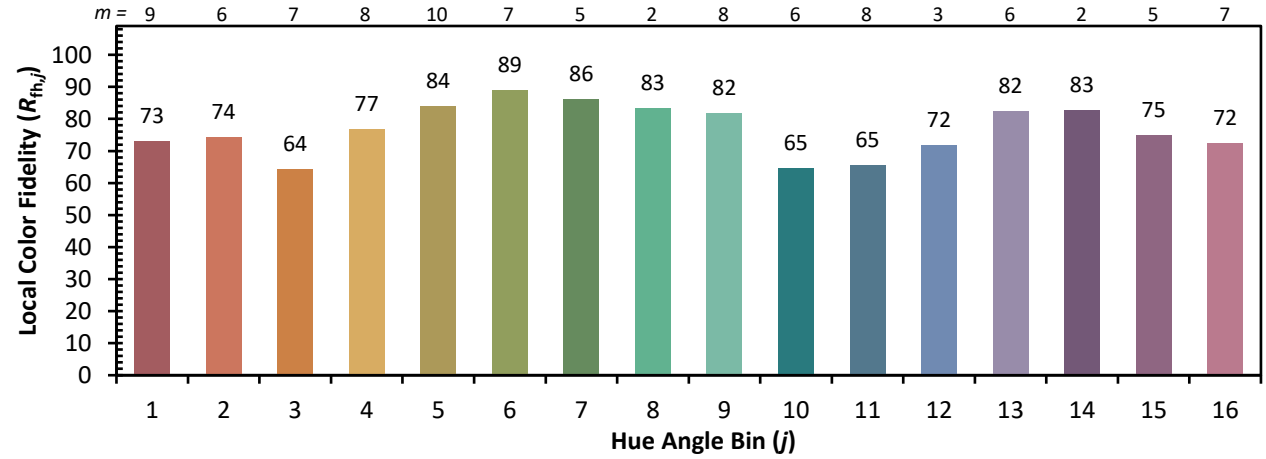
Color Rendition by Hue-Angle Bin







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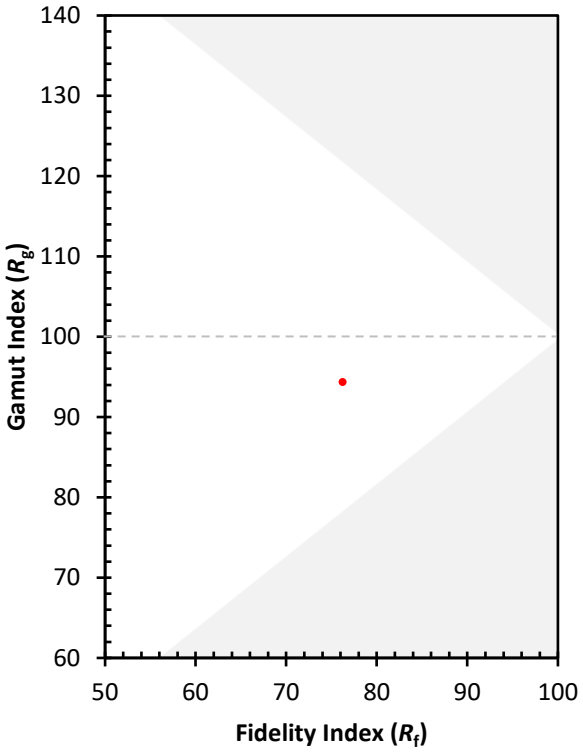
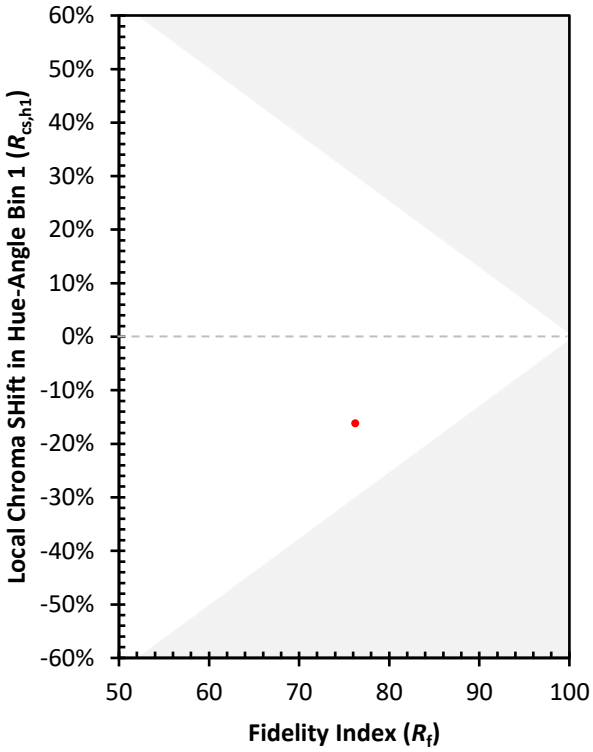
Measure Comparisons





(END OF REPORT)