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: P1045925

Luminaire Tested: **FFX-CLB-60-727-U-FG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045925
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-727-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6374.9 lumens
Efficiency:	N/A
Efficacy:	105.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

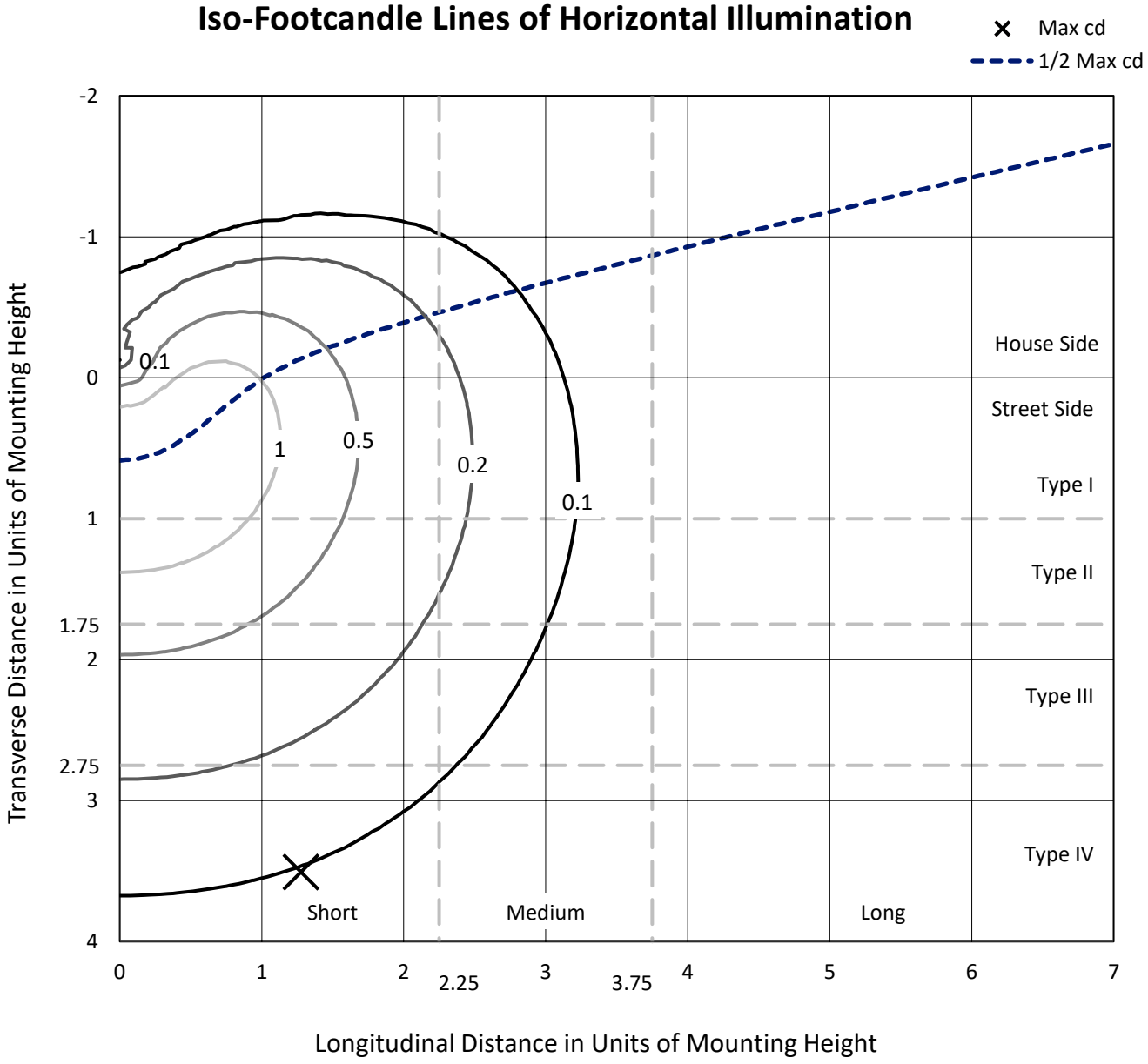


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Iso-Footcandle Lines of Horizontal Illumination



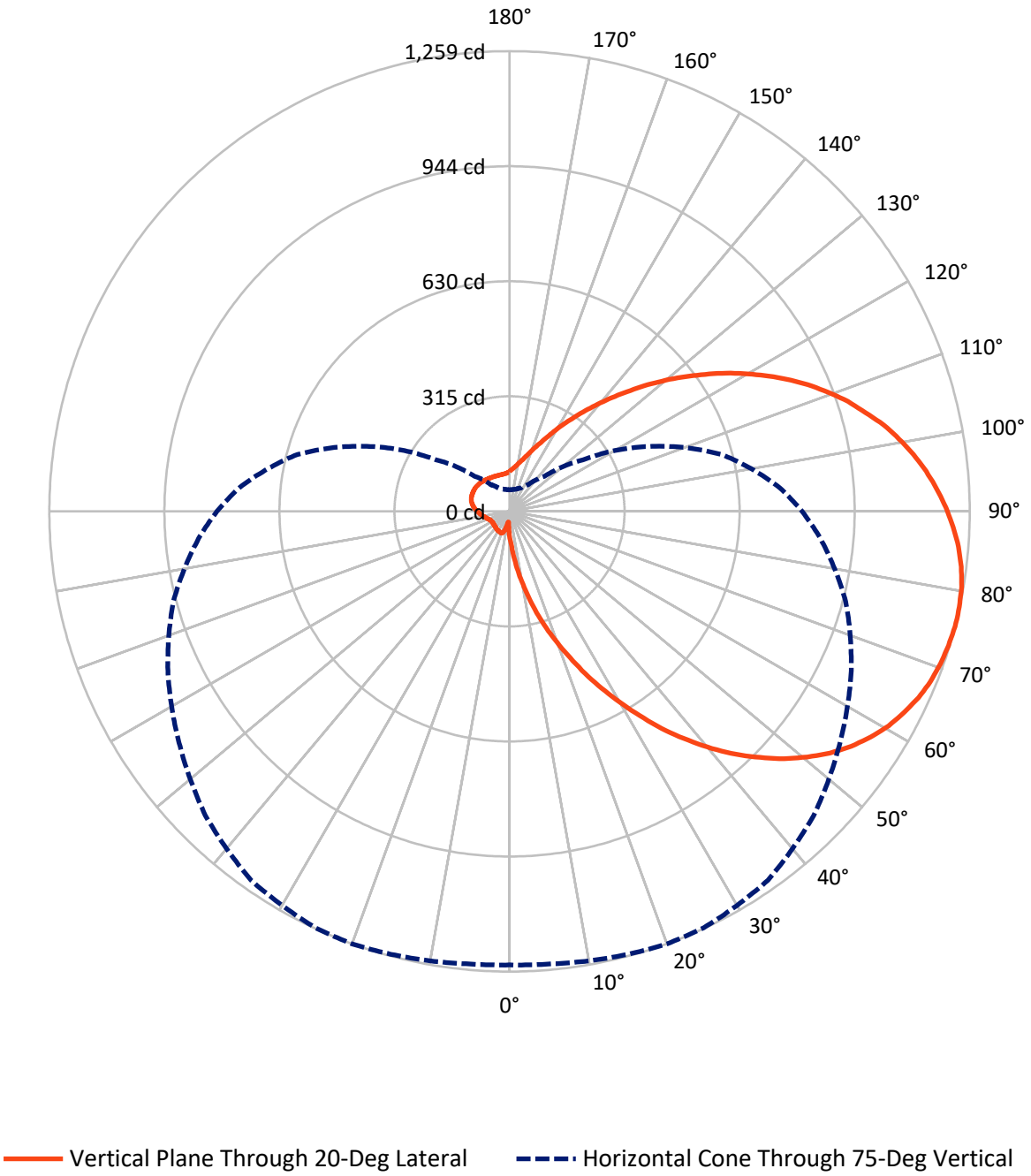
Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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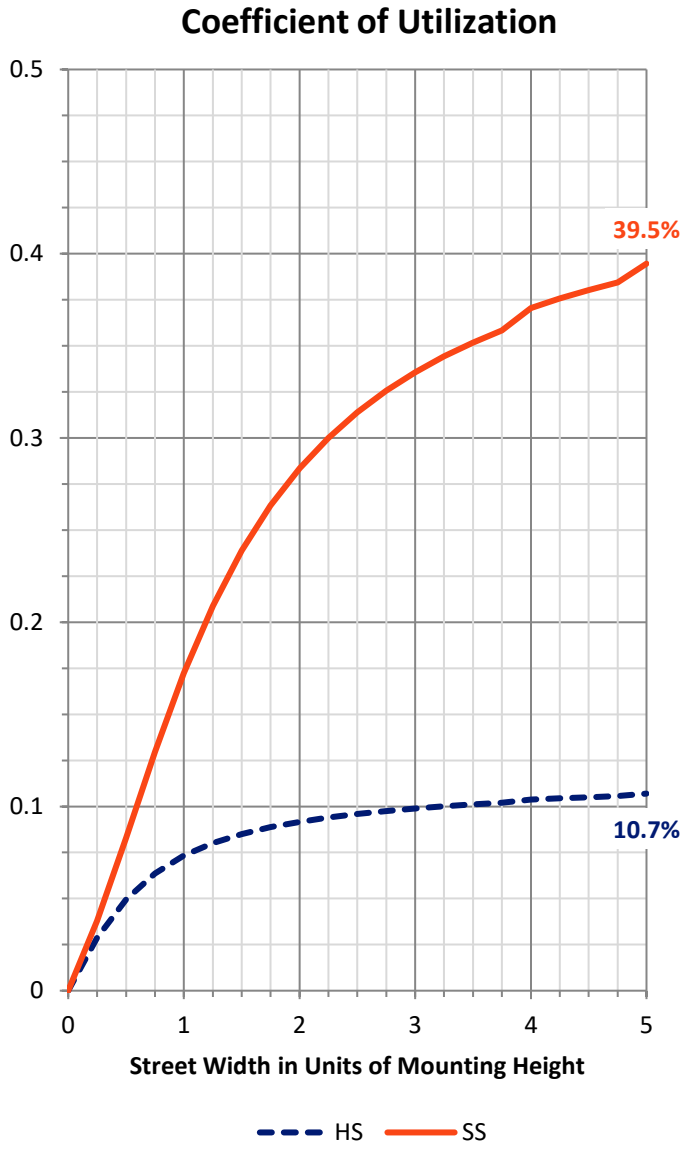
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	737.0	701.2	1438.2
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	2894.1	2042.7	4936.8
	% Fixture	45.4	32.0	77.4
Total	Lumens	3631.1	2743.9	6374.9
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.1
10°-20°	53.2	0.8
20°-30°	140.9	2.2
30°-40°	272.1	4.3
40°-50°	426.2	6.7
50°-60°	569.8	8.9
60°-70°	675.2	10.6
70°-80°	735.7	11.5
80°-90°	748.9	11.7
90°-100°	710.2	11.1
100°-110°	628.0	9.9
110°-120°	510.0	8.0
120°-130°	375.3	5.9
130°-140°	248.9	3.9
140°-150°	146.7	2.3
150°-160°	77.6	1.2
160°-170°	36.5	0.6
170°-180°	10.7	0.2
0°-90°	3631.1	57.0
0°-180°	6374.9	100.0



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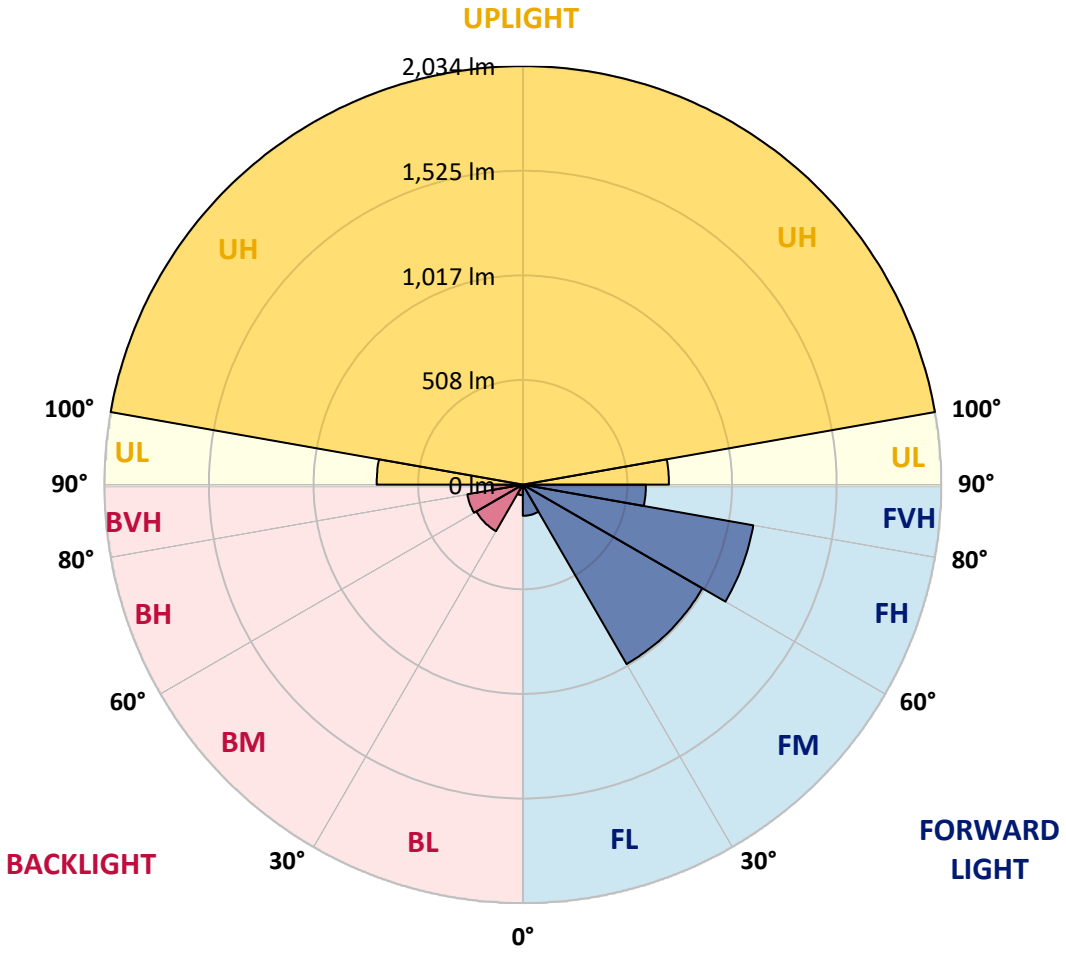
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	151.7	2.4			
FM	(30°-60°)	1007.2	15.8			
FH	(60°-80°)	1137.2	17.8			G1/1800
FVH	(80°-90°)	598.0	9.4			G4/750
BL	(0°-30°)	51.5	0.8	B0/110		
BM	(30°-60°)	260.9	4.1	B1/1000		
BH	(60°-80°)	273.7	4.3	B1/500		G1/500
BVH	(80°-90°)	151.0	2.4			G2/225
UL	(90°-100°)	710.2	11.1		U4/1000	
UH	(100°-180°)	2033.6	31.9		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2.5°	89.1	89.1	89.8	89.8	90.4	89.1	87.1	85.7	83.7	79.0	75.0
5°	123.9	124.6	123.3	123.9	124.6	121.2	116.6	110.5	101.8	93.8	85.1
7.5°	166.1	168.1	164.8	164.1	162.1	156.7	150.0	140.7	131.3	120.6	107.8
10°	212.3	211.7	207.7	203.0	201.6	194.9	186.2	177.5	163.4	150.0	136.6
12.5°	255.9	255.2	251.9	248.5	246.5	237.8	227.1	217.0	202.3	184.9	168.1
15°	301.4	302.1	298.8	296.7	292.7	284.0	275.3	260.6	245.8	225.7	205.6
17.5°	347.0	348.3	345.0	343.6	340.3	332.9	321.5	306.1	287.4	263.9	238.5
20°	397.2	398.6	396.5	391.9	387.8	379.8	369.8	350.3	329.6	305.4	272.6
22.5°	450.8	451.5	445.4	444.1	440.1	432.7	418.0	400.6	377.1	346.3	312.1
25°	503.7	503.7	502.4	501.0	495.0	486.3	471.6	450.1	424.0	391.2	351.0
27.5°	560.7	561.3	558.0	556.6	552.0	540.6	525.2	501.7	474.9	435.4	389.8
30°	620.9	620.3	616.9	614.2	612.2	600.9	583.4	559.3	525.8	480.3	434.1
32.5°	681.2	679.2	677.2	674.5	673.9	659.1	645.1	615.6	580.8	532.5	476.9
35°	742.9	738.2	736.8	737.5	734.1	722.1	701.3	672.5	632.3	582.1	519.1
37.5°	796.4	800.5	797.1	794.4	795.1	781.7	759.6	727.5	685.3	629.7	562.0
40°	856.1	853.4	853.4	853.4	851.4	839.3	815.9	780.4	732.1	673.2	599.5
42.5°	907.6	907.6	911.0	909.0	907.0	892.9	867.4	827.9	777.0	713.4	635.7
45°	960.6	959.2	963.2	960.6	959.2	944.5	917.7	876.8	823.2	753.6	671.9
47.5°	1009.5	1010.1	1011.5	1011.5	1010.1	993.4	965.2	917.0	862.8	788.4	702.7
50°	1051.7	1055.0	1059.0	1056.3	1057.7	1039.6	1008.1	959.2	896.3	821.2	730.1
52.5°	1093.2	1093.2	1098.5	1098.5	1097.2	1079.8	1044.3	992.7	930.4	850.7	755.6
55°	1128.7	1129.4	1134.0	1134.7	1134.0	1114.0	1076.4	1020.8	955.9	875.5	776.3
57.5°	1155.5	1157.5	1163.5	1165.5	1162.8	1144.8	1102.6	1046.3	977.3	894.9	794.4
60°	1179.6	1182.3	1189.0	1191.7	1189.6	1170.2	1126.0	1065.7	994.7	911.7	809.8
62.5°	1201.0	1201.7	1210.4	1211.7	1211.1	1190.3	1143.4	1080.5	1008.8	924.4	823.2
65°	1216.4	1218.4	1227.8	1229.8	1228.5	1206.4	1157.5	1092.5	1020.2	935.1	833.3
67.5°	1228.5	1229.8	1239.2	1242.6	1241.2	1217.8	1167.5	1099.9	1026.9	942.5	841.3
70°	1235.2	1237.2	1247.9	1250.6	1249.3	1225.8	1173.6	1103.2	1030.9	947.8	846.7
72.5°	1239.2	1241.2	1252.6	1256.0	1255.3	1230.5	1176.2	1104.6	1032.2	950.5	850.7
75°	1241.2	1243.2	1254.6	1259.3	1257.3	1232.5	1176.9	1103.9	1031.6	952.5	854.1
76°	1241.2	1242.6	1254.6	1259.3	1257.3	1232.5	1176.9	1102.6	1030.9	953.2	855.4
77.5°	1239.9	1241.9	1253.9	1258.0	1256.6	1231.8	1174.9	1099.9	1028.9	951.8	856.1
80°	1236.5	1238.5	1249.9	1254.6	1252.6	1227.2	1170.2	1094.5	1023.5	949.2	856.1
82.5°	1229.2	1231.2	1241.9	1245.2	1244.6	1219.1	1161.5	1085.1	1015.5	944.5	854.7
85°	1217.8	1219.8	1228.5	1232.5	1230.5	1206.4	1148.8	1072.4	1005.4	937.1	850.7
87.5°	1202.4	1203.7	1213.1	1214.4	1213.8	1189.6	1132.7	1056.3	992.0	927.1	844.0
90°	1183.6	1185.0	1192.3	1194.3	1192.3	1169.5	1111.9	1038.9	975.3	915.0	836.0
92.5°	1164.2	1163.5	1168.9	1170.9	1168.9	1146.1	1090.5	1018.2	957.9	901.6	825.9
95°	1141.4	1142.8	1144.1	1145.4	1142.8	1120.6	1066.4	995.4	939.1	886.9	816.5
97.5°	1116.0	1115.3	1116.6	1116.6	1114.0	1091.8	1038.9	973.3	917.7	870.8	803.8
100°	1089.2	1088.5	1087.2	1084.5	1081.8	1060.4	1011.5	945.8	895.6	851.4	791.1
102.5°	1059.7	1055.7	1051.7	1051.0	1045.0	1026.9	980.0	919.7	872.1	833.3	775.0
105°	1023.5	1022.2	1016.2	1010.8	1007.4	987.4	944.5	890.9	847.4	811.2	757.6
107.5°	986.7	984.0	975.3	973.3	966.6	948.5	909.6	862.1	822.6	789.1	736.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	947.2	945.8	936.4	*930.4*	925.1	905.0	871.5	831.3	795.1	764.3	713.4
112.5°	903.0	901.6	891.6	*886.9*	878.8	863.4	831.9	795.8	765.0	736.8	687.9
115°	858.1	857.4	846.0	*840.0*	832.6	813.9	788.4	760.3	732.8	704.7	657.1
117.5°	813.2	809.8	798.5	*791.1*	783.7	767.0	746.2	724.1	698.6	672.5	625.6
120°	762.3	761.6	748.9	*742.9*	736.2	720.8	702.7	681.9	661.8	635.7	594.2
122.5°	713.4	712.7	701.3	*694.0*	685.3	673.2	658.5	642.4	624.3	598.8	558.0
125°	663.8	662.5	650.4	*643.1*	635.7	625.6	611.6	600.2	585.4	561.3	522.5
127.5°	613.6	610.9	603.5	*596.2*	588.1	575.4	570.7	560.7	544.6	521.1	487.0
130°	566.7	565.3	555.3	*548.6*	540.6	530.5	526.5	518.5	507.1	485.6	453.5
132.5°	517.8	516.4	510.4	*503.7*	497.0	487.0	485.0	477.6	466.2	448.8	418.7
135°	474.2	472.9	466.2	*458.8*	455.5	448.1	445.4	439.4	428.7	411.3	385.2
137.5°	432.0	431.4	424.7	*418.7*	414.6	409.3	406.6	401.2	393.2	377.8	353.7
140°	393.9	390.5	385.2	*379.8*	375.8	370.4	369.1	364.4	358.4	343.6	326.2
142.5°	355.7	353.7	349.7	*345.0*	342.3	336.3	332.9	330.9	322.9	311.5	297.4
145°	318.2	318.2	314.8	*311.5*	307.5	303.4	300.8	298.8	292.1	282.0	268.6
147.5°	286.7	286.7	284.0	*282.7*	279.3	274.0	272.0	269.9	263.9	255.9	245.2
150°	259.9	258.6	256.6	*254.5*	251.9	247.2	243.8	241.8	237.1	231.1	221.0
152.5°	233.1	233.1	231.8	*229.1*	227.1	223.7	221.0	218.4	215.0	208.3	200.3
155°	210.3	210.3	208.3	*207.0*	205.6	203.0	200.3	197.6	193.6	188.2	182.2
157.5°	191.6	191.6	190.2	*189.6*	186.9	185.5	182.9	180.2	176.2	171.5	166.1
160°	174.2	174.8	174.2	*173.5*	171.5	169.5	166.8	164.1	160.8	156.7	152.7
162.5°	160.1	160.8	159.4	*158.8*	157.4	155.4	152.7	151.4	148.7	144.0	140.0
165°	148.0	148.0	147.4	*146.7*	146.0	143.3	142.0	140.7	138.0	134.6	131.3
167.5°	138.7	138.7	138.0	*138.0*	136.6	135.3	133.3	132.0	129.3	127.3	123.3
170°	130.6	130.6	129.9	*129.3*	128.6	127.3	125.9	123.9	122.6	119.9	117.9
172.5°	123.9	123.9	123.3	*122.6*	122.6	120.6	119.9	118.6	117.2	115.2	113.2
175°	118.6	117.9	117.9	*117.2*	116.6	115.2	114.5	113.9	112.5	111.9	110.5
177.5°	113.9	113.9	113.2	*113.2*	112.5	111.2	111.2	110.5	109.9	109.2	108.5
180°	107.8	107.8	107.8	*107.8*	107.8	107.8	107.8	107.8	107.8	107.8	107.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2.5°	73.0	71.0	65.6	61.0	57.6	52.9	48.9	47.6	46.9	46.2	46.2
5°	80.4	76.4	67.0	58.3	50.2	43.5	37.5	31.5	26.8	24.1	22.8
7.5°	101.1	96.5	83.7	72.3	61.0	50.9	40.9	33.5	26.8	22.8	22.8
10°	128.6	121.9	105.8	89.8	75.7	61.0	48.9	38.9	32.8	29.5	29.5
12.5°	157.4	148.7	129.9	109.2	89.8	73.0	58.3	47.6	40.9	38.2	38.2
15°	191.6	180.2	156.1	129.9	106.5	86.4	69.7	57.6	49.6	46.2	45.5
17.5°	224.4	209.7	180.9	151.4	123.3	99.1	79.7	64.3	55.6	50.9	50.2
20°	259.2	241.1	207.0	170.8	138.7	109.2	85.7	69.0	57.6	52.2	51.6
22.5°	291.4	272.0	231.1	188.9	150.7	116.6	89.1	69.7	56.9	50.9	50.2
25°	328.2	306.1	257.9	208.3	163.4	122.6	91.8	69.7	56.3	49.6	48.9
27.5°	365.7	339.6	285.4	227.7	174.8	129.3	93.8	69.7	54.9	48.2	47.6
30°	405.3	376.5	311.5	247.8	186.9	134.6	95.8	69.0	54.3	46.9	46.2
32.5°	445.4	412.0	340.3	267.3	198.9	140.0	97.1	69.0	52.9	46.2	44.9
35°	486.3	447.5	369.1	287.4	209.7	144.7	97.8	68.3	52.2	44.9	44.2
37.5°	522.5	482.3	395.9	305.4	219.7	148.0	98.5	67.7	51.6	44.2	43.5
40°	559.3	515.8	421.3	321.5	227.1	150.0	97.8	67.0	50.2	43.5	42.9
42.5°	592.8	545.9	444.8	336.9	233.8	152.1	97.1	65.6	49.6	42.9	42.2
45°	625.0	575.4	466.9	350.3	239.8	152.7	95.8	65.0	48.9	42.9	42.2
47.5°	654.4	600.9	488.3	363.1	245.2	152.7	95.1	63.6	48.9	42.9	42.2
50°	679.2	626.3	505.7	374.4	248.5	152.1	93.8	63.0	48.9	42.9	42.2
52.5°	703.3	647.1	523.1	383.2	250.5	150.7	91.8	62.3	48.9	43.5	42.9
55°	722.8	665.8	537.9	392.5	252.5	149.4	90.4	61.6	48.9	43.5	43.5
57.5°	739.5	681.2	549.3	398.6	252.5	146.7	89.1	61.6	49.6	44.9	44.2
60°	755.6	695.3	561.3	403.9	252.5	144.7	87.7	61.6	50.2	45.5	44.9
62.5°	766.3	706.7	570.7	408.6	251.2	142.7	86.4	61.6	50.9	46.9	46.2
65°	777.0	717.4	579.4	412.6	250.5	140.7	86.4	62.3	52.2	48.9	48.2
67.5°	785.1	726.1	585.4	415.3	249.2	138.7	85.7	63.6	54.3	50.9	50.2
70°	791.8	732.8	592.8	417.3	247.8	137.3	86.4	65.6	56.3	52.9	52.9
72.5°	797.1	738.8	596.8	419.3	246.5	136.6	87.7	67.7	59.6	56.3	55.6
75°	*800.5*	*742.2*	*600.9*	*420.0*	*245.2*	*136.0*	*89.1*	*70.3*	*62.3*	*59.6*	*58.9*
76°	801.1	743.5	602.2	420.7	244.5	136.0	89.8	71.0	63.6	61.0	60.3
77.5°	803.1	745.5	603.5	420.7	243.8	136.0	91.1	73.0	65.6	63.0	63.0
80°	804.5	746.9	605.5	421.3	242.5	136.0	93.1	76.4	69.7	67.0	66.3
82.5°	803.8	747.5	606.2	420.0	241.8	136.6	95.8	79.7	73.7	71.0	70.3
85°	801.1	745.5	604.9	418.0	239.8	138.0	98.5	83.7	77.0	74.4	74.4
87.5°	796.4	740.8	601.5	415.3	238.5	138.7	101.1	87.1	81.1	78.4	78.4
90°	789.7	735.5	597.5	412.6	236.5	139.3	104.5	90.4	85.1	83.1	82.4
92.5°	781.7	728.8	592.1	408.6	235.1	140.7	107.2	94.4	89.1	86.4	86.4
95°	773.7	721.4	586.1	403.9	233.8	142.7	109.9	97.8	92.4	90.4	90.4
97.5°	762.3	711.4	578.1	398.6	231.8	143.3	113.2	101.1	96.5	93.8	93.8
100°	748.2	700.0	568.7	393.2	230.4	145.4	115.9	104.5	99.8	97.8	97.1
102.5°	734.1	686.6	558.7	387.2	228.4	146.0	118.6	107.8	102.5	100.5	100.5
105°	718.1	671.9	545.9	379.1	226.4	147.4	120.6	109.9	105.2	103.2	102.5
107.5°	699.3	653.1	533.2	371.8	224.4	148.7	122.6	111.9	107.2	105.2	104.5

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

Scaled Data Report

REPORT NUMBER: P1045925
CATALOG NUMBER: FFX-CLB-60-727-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	677.9	635.7	517.8	363.7	223.1	150.7	124.6	113.2	108.5	105.8	105.8
112.5°	653.1	610.9	501.0	354.3	223.1	153.4	125.9	114.5	109.2	106.5	106.5
115°	623.6	584.8	480.9	345.6	222.4	156.1	128.6	115.2	109.2	107.2	106.5
117.5°	594.8	557.3	460.9	336.9	224.4	160.8	131.3	116.6	109.2	106.5	106.5
120°	562.7	528.5	440.1	328.2	227.1	165.5	134.6	117.2	109.2	105.8	105.8
122.5°	529.2	497.7	420.0	320.2	229.1	170.8	137.3	118.6	108.5	105.2	104.5
125°	497.7	466.2	397.2	312.1	231.1	175.5	140.7	119.2	107.8	103.8	103.2
127.5°	462.9	438.7	377.1	303.4	232.4	179.5	143.3	119.9	107.2	102.5	101.8
130°	432.7	409.3	357.0	294.1	231.1	180.9	144.0	119.2	105.8	101.1	101.1
132.5°	399.2	380.5	334.9	282.0	227.7	180.9	144.7	119.2	105.2	100.5	99.8
135°	369.8	352.3	314.2	268.6	221.7	178.2	143.3	118.6	104.5	99.8	99.1
137.5°	342.3	325.5	292.1	254.5	213.0	173.5	140.7	117.2	103.8	99.1	98.5
140°	312.8	300.8	272.0	239.1	203.6	168.1	137.3	115.9	103.8	99.1	98.5
142.5°	286.0	276.0	249.9	222.4	191.6	160.1	133.3	113.9	103.2	99.1	98.5
145°	261.9	250.5	230.4	205.6	179.5	152.7	129.3	112.5	102.5	99.1	98.5
147.5°	238.5	228.4	211.7	190.2	168.8	145.4	125.3	110.5	102.5	99.1	98.5
150°	215.0	208.3	193.6	176.2	156.7	138.0	121.2	109.2	102.5	99.8	99.1
152.5°	194.9	190.2	177.5	163.4	146.7	130.6	117.2	107.8	102.5	99.8	99.8
155°	178.2	173.5	162.8	150.0	138.0	124.6	114.5	106.5	102.5	100.5	99.8
157.5°	161.4	158.1	149.4	140.0	129.9	119.9	111.9	105.8	102.5	100.5	100.5
160°	148.7	145.4	138.7	131.3	123.3	115.9	109.2	104.5	102.5	101.1	101.1
162.5°	138.0	135.3	129.9	123.9	117.9	111.9	107.2	103.8	102.5	101.1	101.1
165°	129.3	127.3	122.6	117.9	113.9	109.2	105.8	103.8	102.5	101.8	101.8
167.5°	121.9	120.6	117.2	113.9	110.5	107.2	104.5	103.2	102.5	102.5	102.5
170°	116.6	115.2	113.2	110.5	107.8	105.8	103.8	103.2	103.2	102.5	103.2
172.5°	112.5	111.9	109.9	107.8	106.5	104.5	103.8	103.2	103.8	103.8	103.8
175°	109.9	109.2	107.8	106.5	105.8	104.5	104.5	103.8	104.5	105.2	105.2
177.5°	107.8	107.2	106.5	106.5	105.8	105.2	105.2	105.8	106.5	106.5	106.5
180°	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8

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

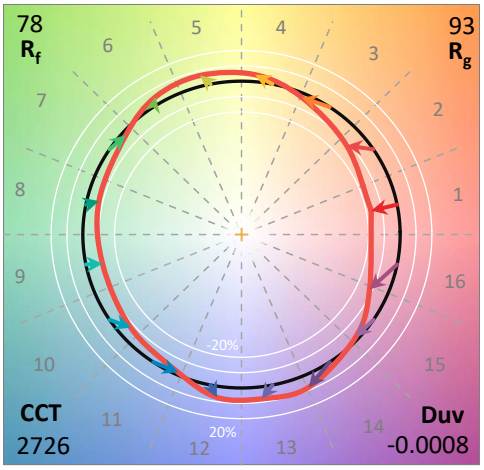
Test Information

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

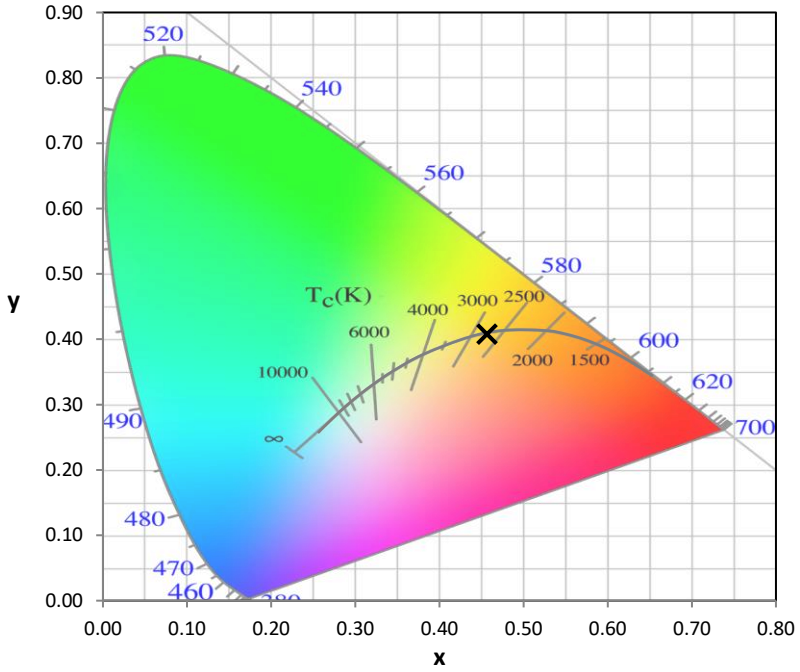
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

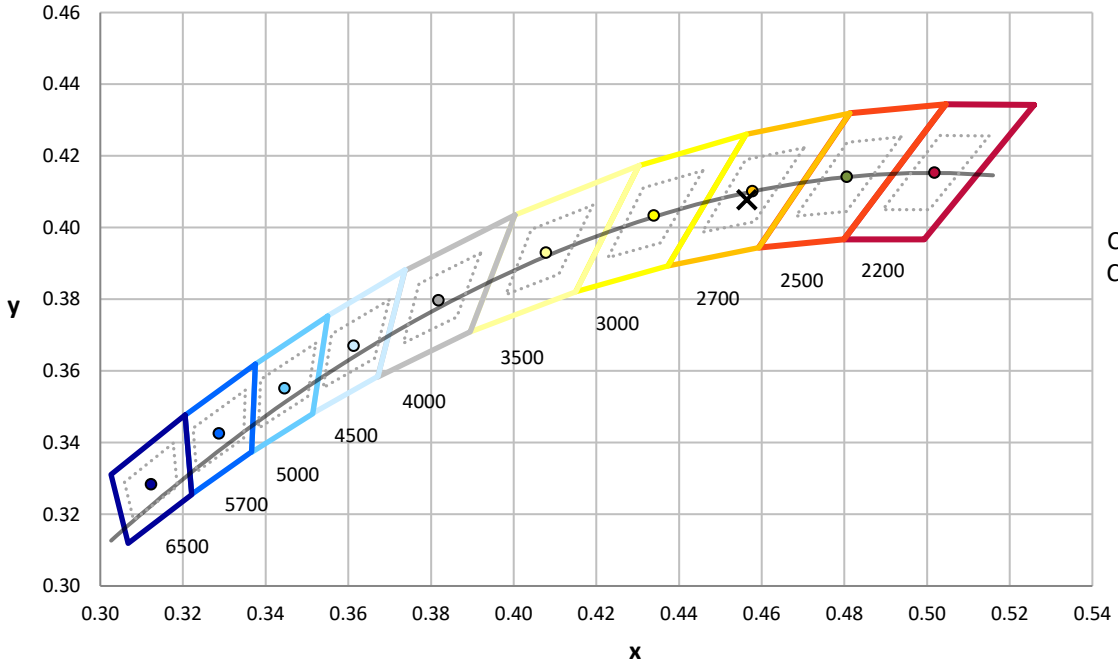
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

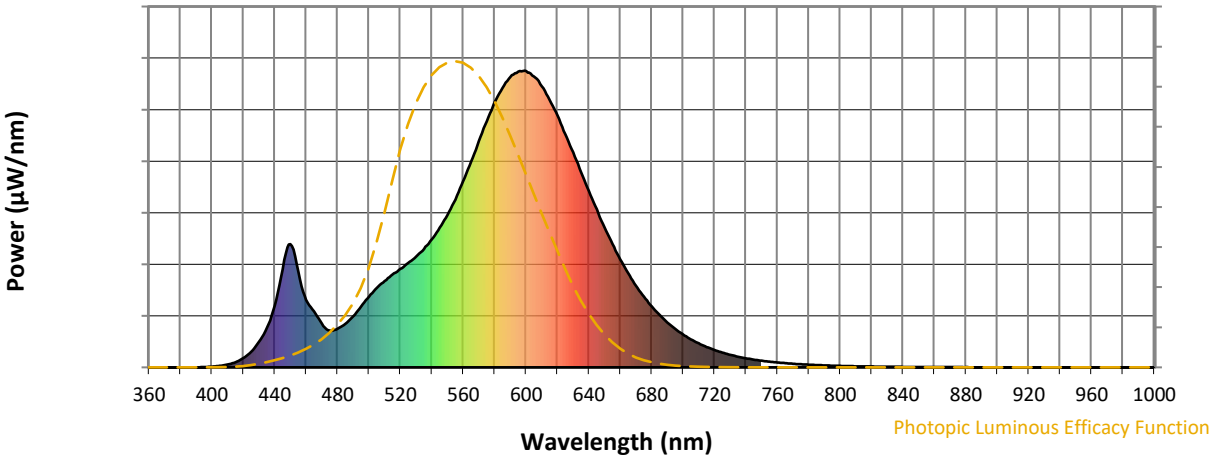


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

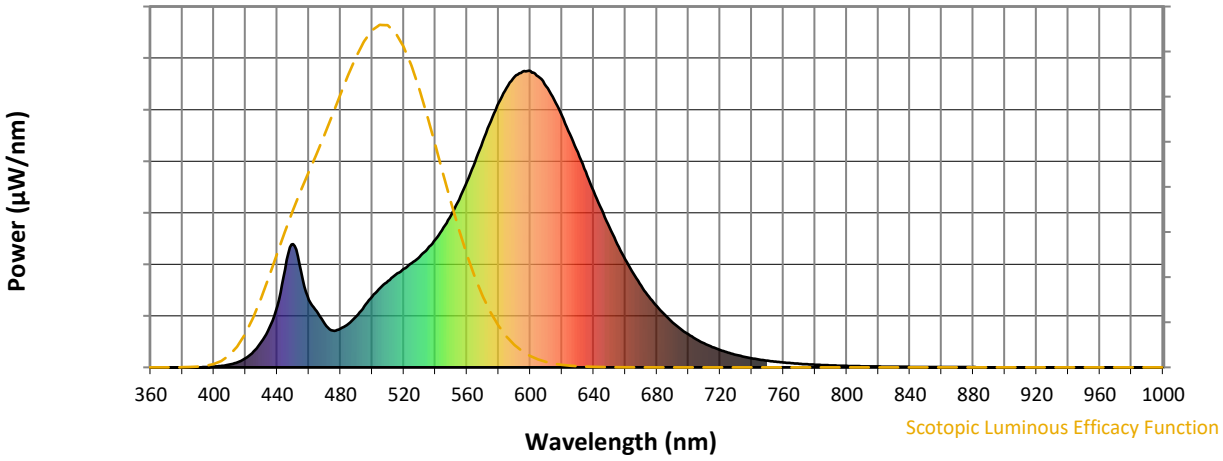


Photopic Lumens: NR

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

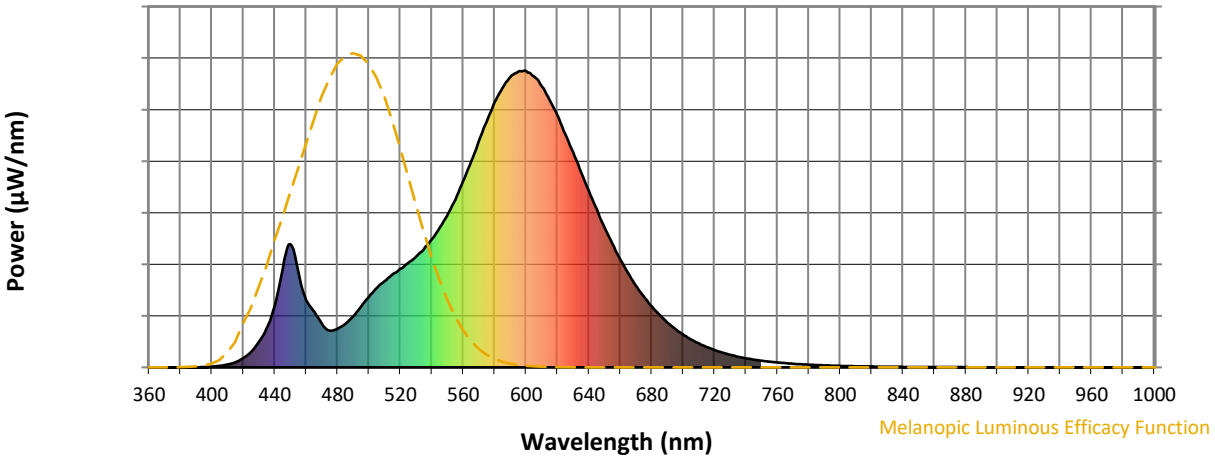


Scotopic Lumens: NR **S/P: 1.16**

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			

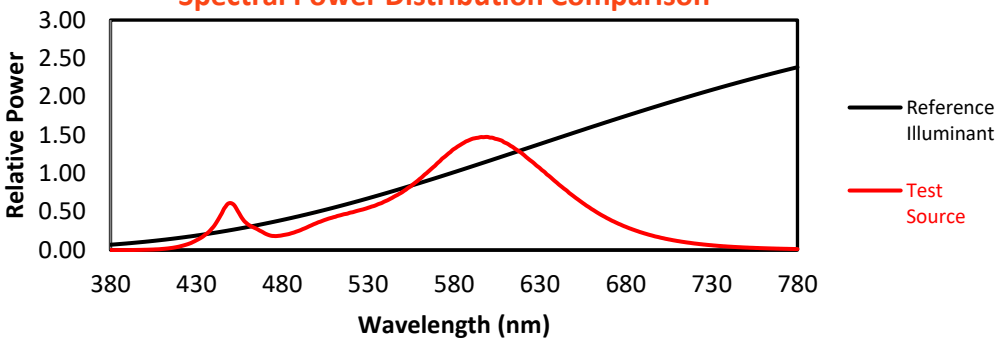
REPORT NUMBER: SP1-2501-332-3

TM-30-18

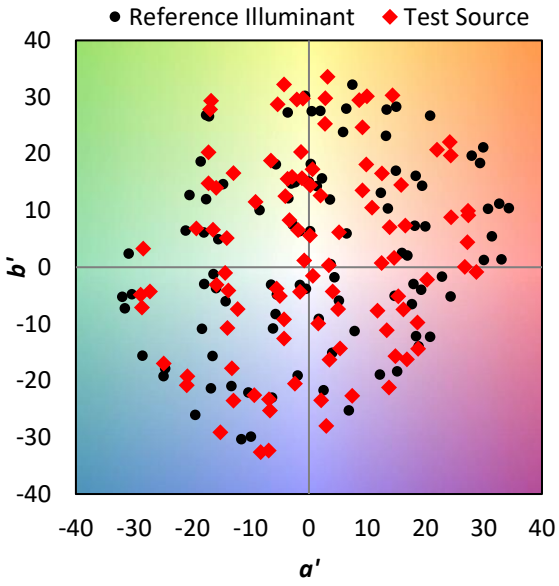
Summary

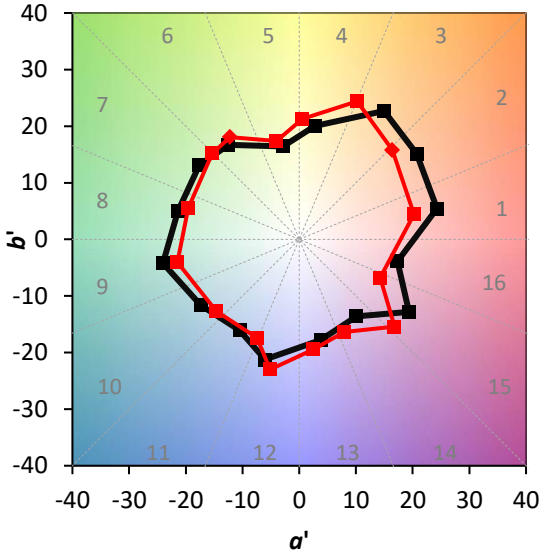
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

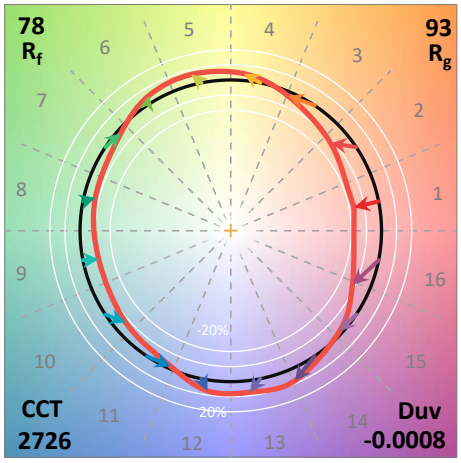
Spectral Power Distribution Comparison

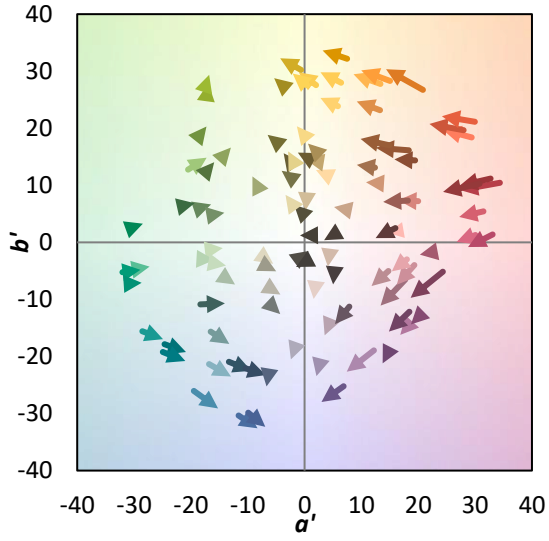


Color Vector Graphics







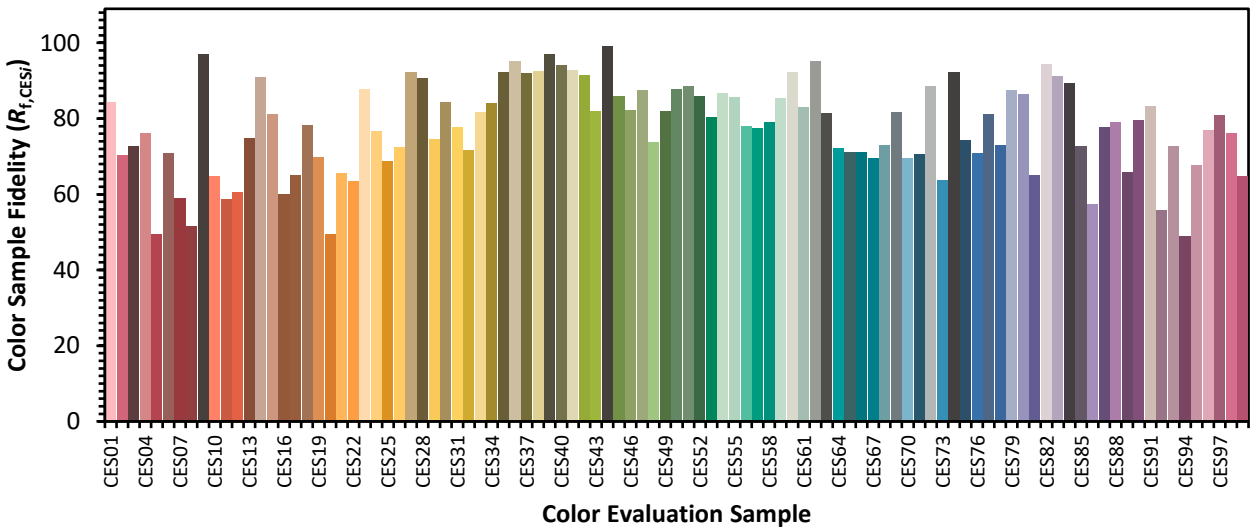


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

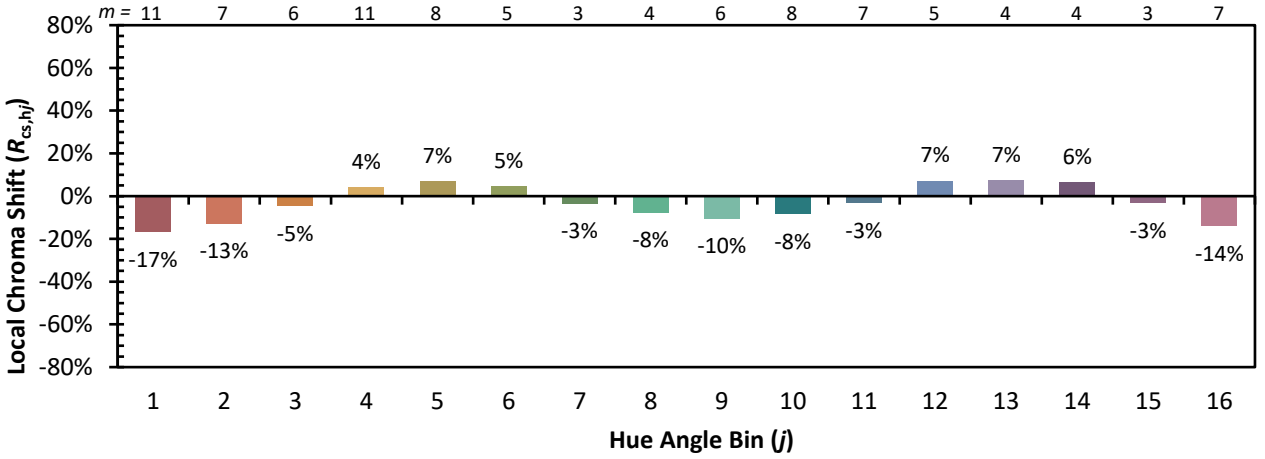
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

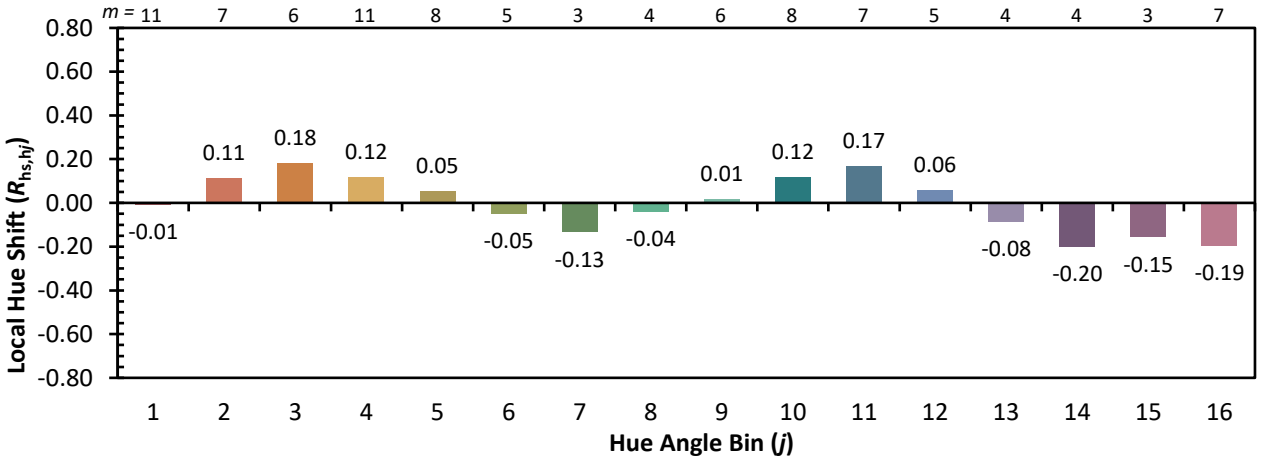


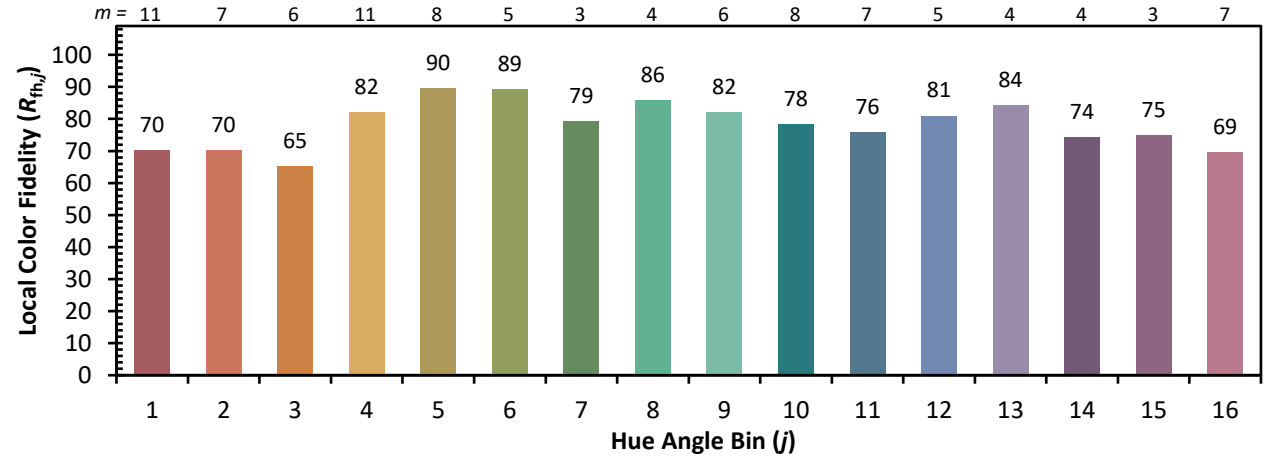
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Color Rendition by Hue-Angle Bin



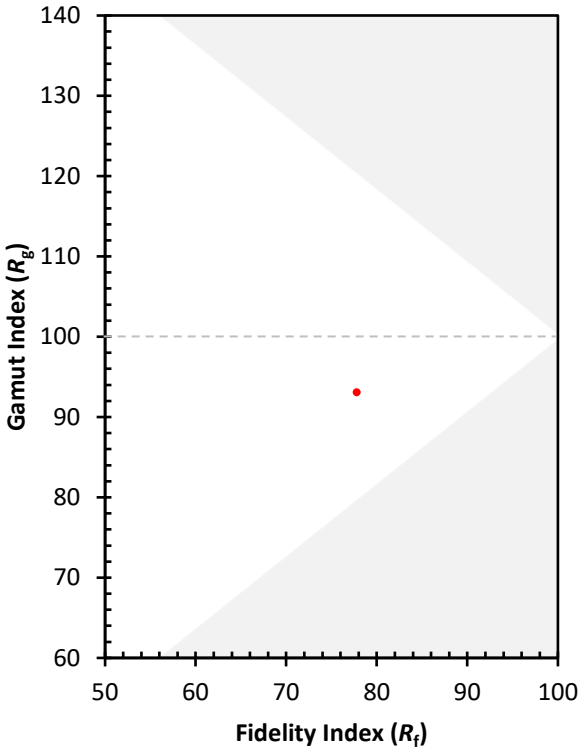


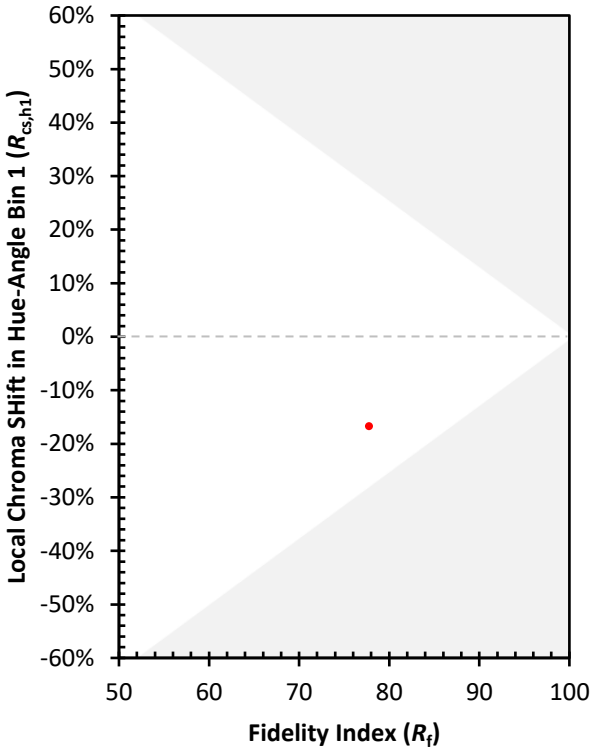


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Measure Comparisons





(END OF REPORT)