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: P1045953

Luminaire Tested: **FFX-CLB-50-750-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:	P1045953
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-750-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5964 lumens
Efficiency:	N/A
Efficacy:	117.9 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):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

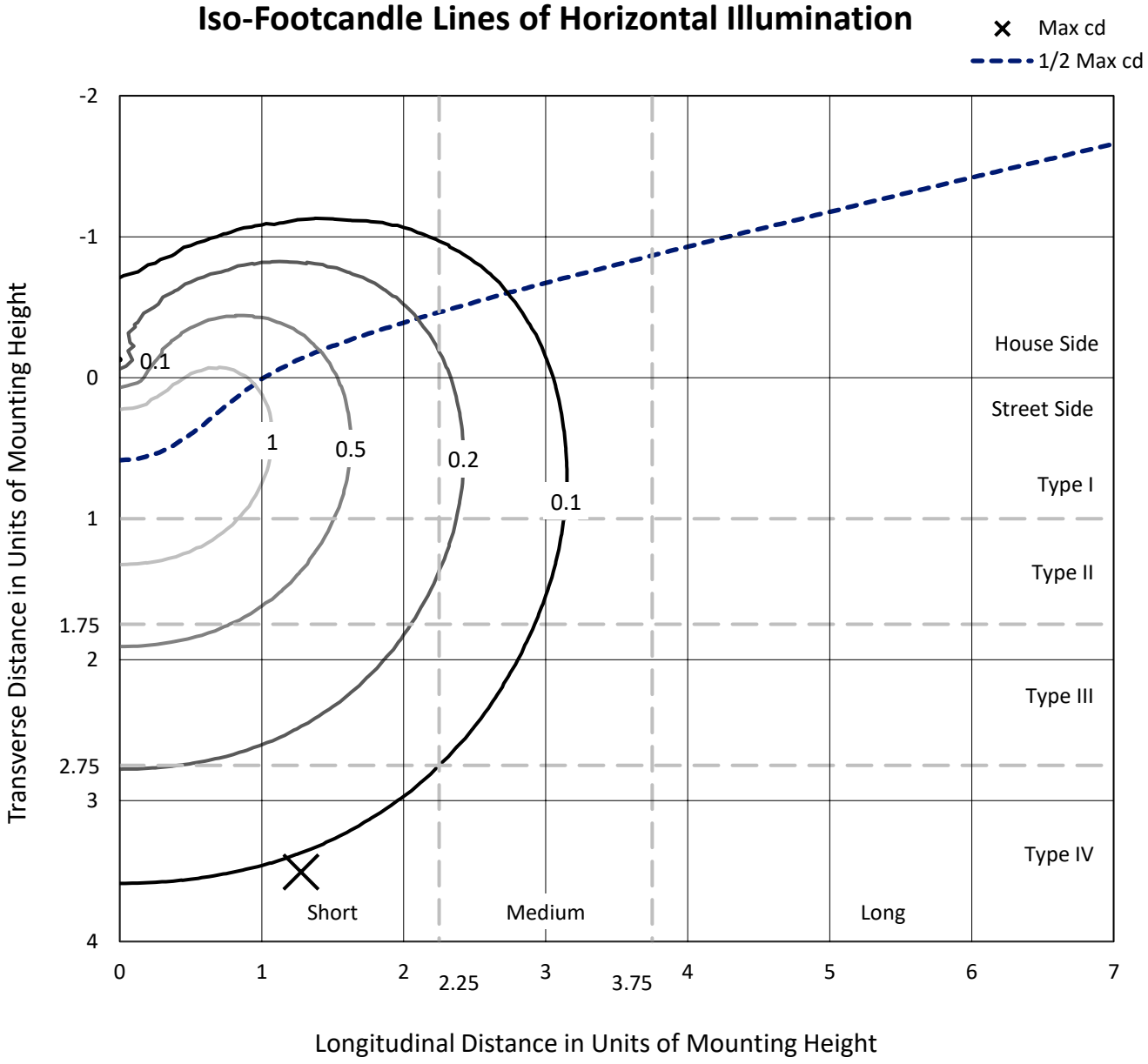


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Iso-Footcandle Lines of Horizontal Illumination



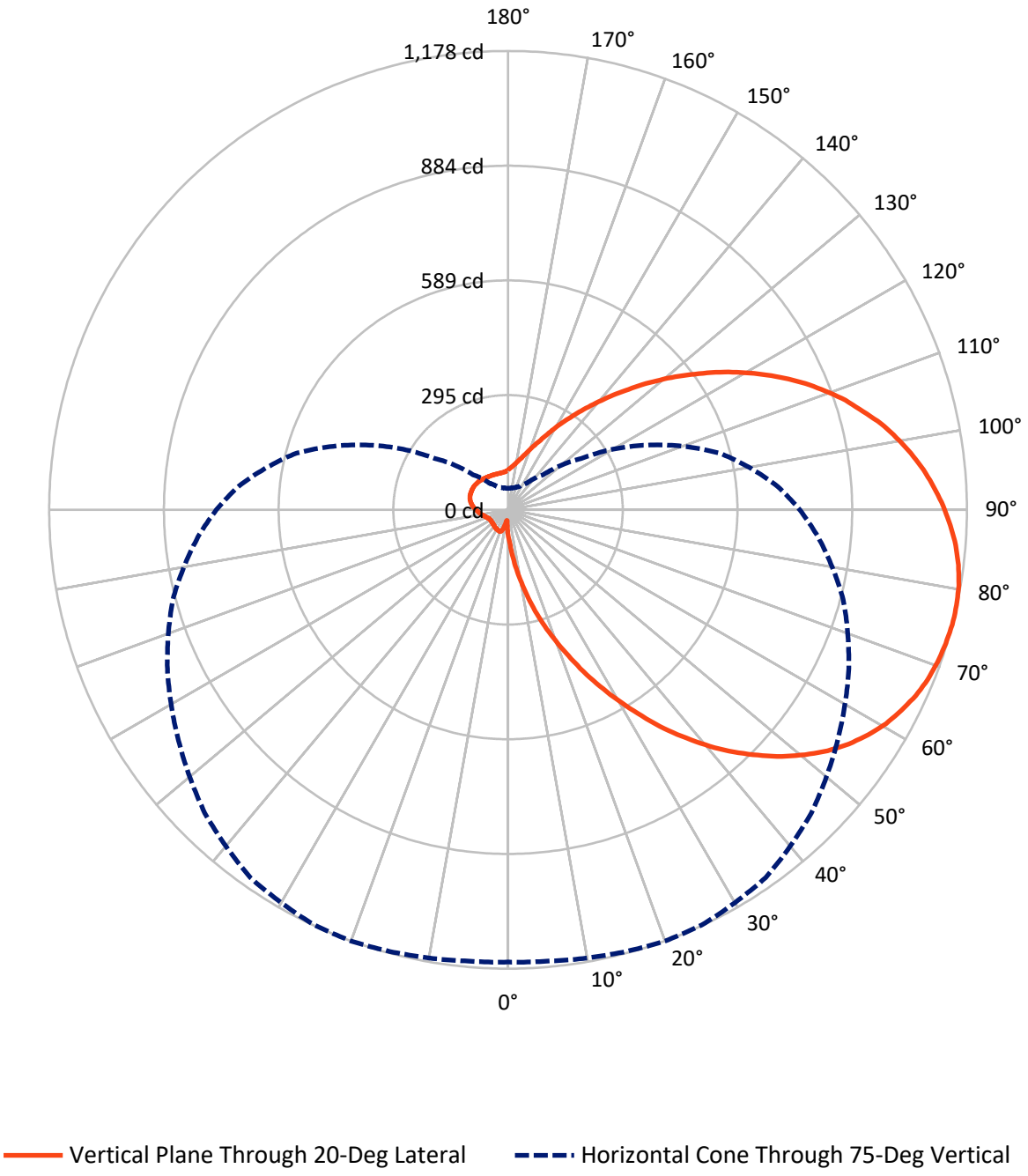
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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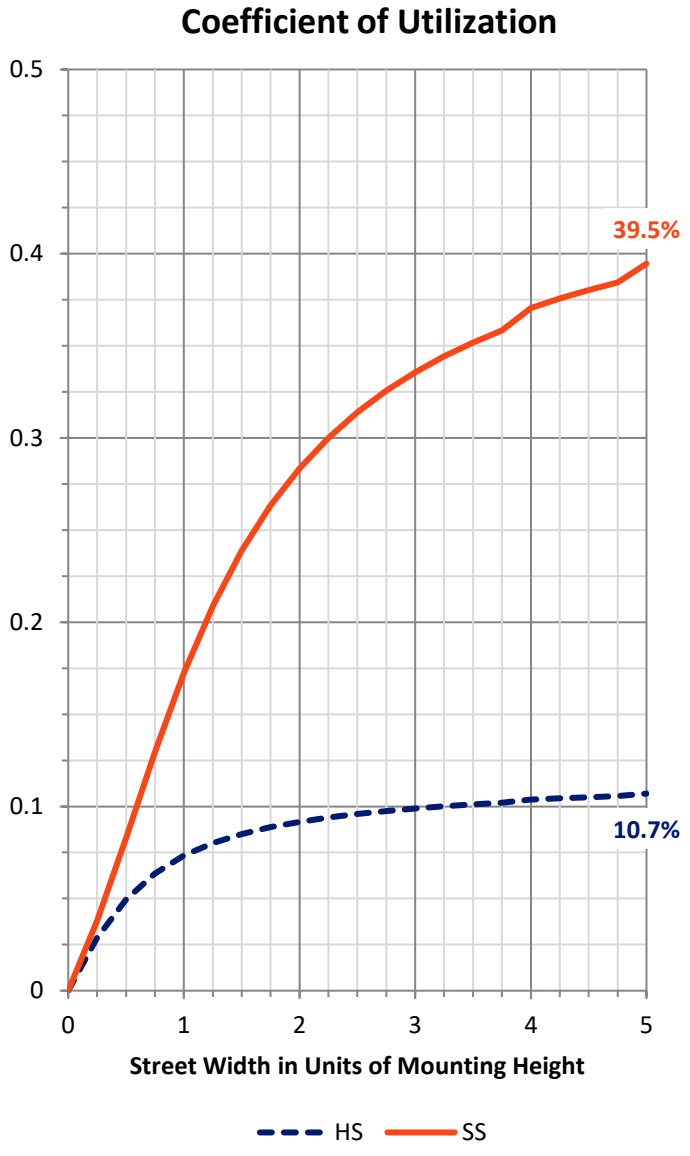
REPORT NUMBER: P1045953
CATALOG NUMBER: FFX-CLB-50-750-U-FG-T5-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	689.5	656.0	1345.5
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	2707.5	1911.0	4618.6
	% Fixture	45.4	32.0	77.4
Total	Lumens	3397.1	2567.0	5964.0
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.1
10°-20°	49.7	0.8
20°-30°	131.8	2.2
30°-40°	254.6	4.3
40°-50°	398.7	6.7
50°-60°	533.1	8.9
60°-70°	631.7	10.6
70°-80°	688.3	11.5
80°-90°	700.6	11.7
90°-100°	664.4	11.1
100°-110°	587.5	9.9
110°-120°	477.1	8.0
120°-130°	351.1	5.9
130°-140°	232.8	3.9
140°-150°	137.2	2.3
150°-160°	72.6	1.2
160°-170°	34.2	0.6
170°-180°	10.0	0.2
0°-90°	3397.1	57.0
0°-180°	5964.0	100.0



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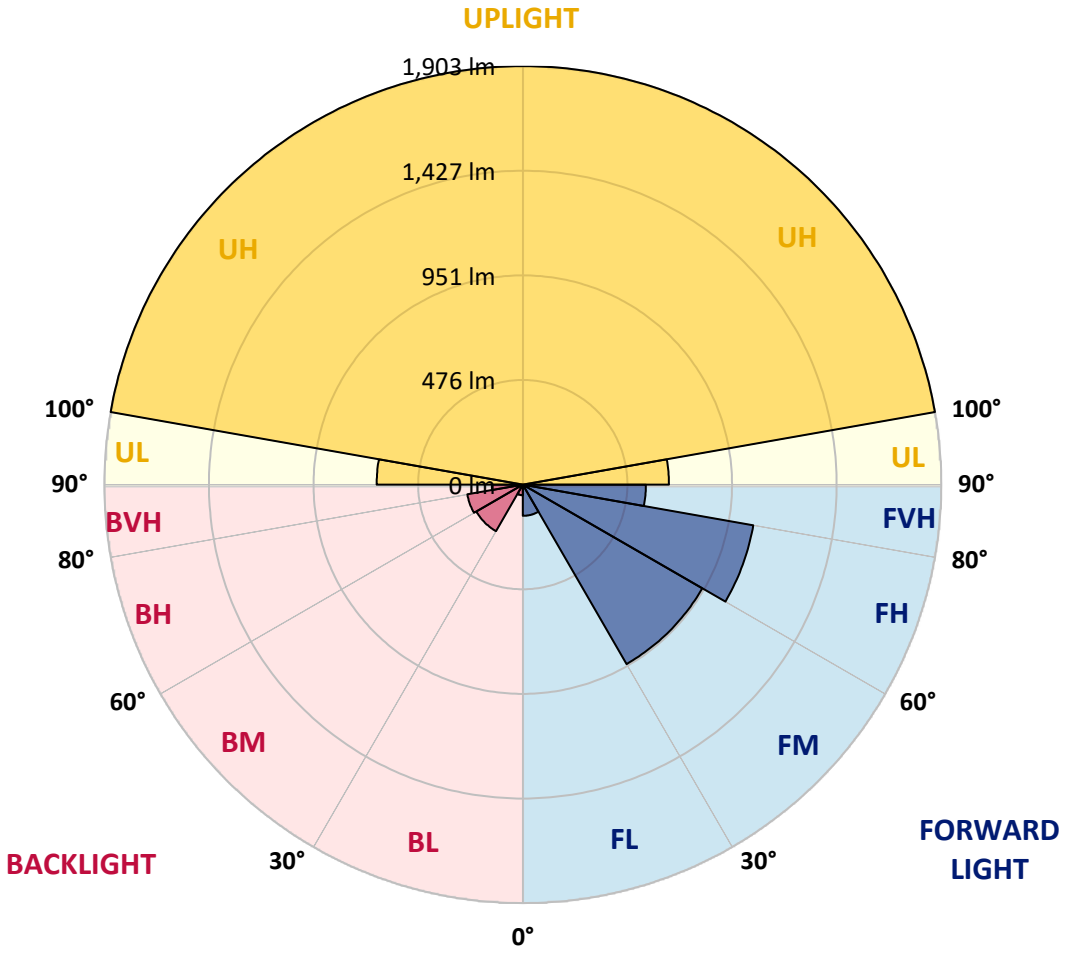
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	141.9	2.4			
FM	(30°-60°)	942.3	15.8			
FH	(60°-80°)	1063.9	17.8			G1/1800
FVH	(80°-90°)	559.4	9.4			G4/750
BL	(0°-30°)	48.1	0.8	B0/110		
BM	(30°-60°)	244.1	4.1	B1/1000		
BH	(60°-80°)	256.1	4.3	B1/500		G1/500
BVH	(80°-90°)	141.2	2.4			G2/225
UL	(90°-100°)	664.4	11.1		U4/1000	
UH	(100°-180°)	1902.5	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°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2.5°	83.3	83.3	84.0	84.0	84.6	83.3	81.5	80.2	78.3	73.9	70.2
5°	115.9	116.6	115.3	115.9	116.6	113.4	109.0	103.4	95.3	87.7	79.6
7.5°	155.4	157.3	154.2	153.5	151.7	146.6	140.4	131.6	122.8	112.8	100.9
10°	198.7	198.0	194.3	189.9	188.6	182.4	174.2	166.1	152.9	140.4	127.8
12.5°	239.4	238.8	235.6	232.5	230.6	222.5	212.4	203.0	189.3	173.0	157.3
15°	282.0	282.6	279.5	277.6	273.9	265.7	257.6	243.8	230.0	211.2	192.4
17.5°	324.6	325.9	322.7	321.5	318.3	311.5	300.8	286.4	268.8	246.9	223.1
20°	371.6	372.9	371.0	366.6	362.8	355.3	345.9	327.7	308.3	285.8	255.1
22.5°	421.7	422.4	416.7	415.5	411.7	404.8	391.0	374.7	352.8	324.0	292.0
25°	471.3	471.3	470.0	468.7	463.1	455.0	441.2	421.1	396.7	366.0	328.4
27.5°	524.5	525.2	522.0	520.8	516.4	505.7	491.3	469.4	444.3	407.3	364.7
30°	580.9	580.3	577.2	574.7	572.8	562.1	545.8	523.3	491.9	449.3	406.1
32.5°	637.3	635.4	633.6	631.1	630.4	616.6	603.5	575.9	543.3	498.2	446.2
35°	695.0	690.6	689.3	690.0	686.8	675.6	656.1	629.2	591.6	544.6	485.7
37.5°	745.1	748.9	745.7	743.2	743.9	731.3	710.6	680.6	641.1	589.1	525.8
40°	800.9	798.4	798.4	798.4	796.5	785.2	763.3	730.1	685.0	629.8	560.9
42.5°	849.1	849.1	852.3	850.4	848.5	835.4	811.5	774.6	726.9	667.4	594.7
45°	898.6	897.4	901.2	898.6	897.4	883.6	858.5	820.3	770.2	705.0	628.6
47.5°	944.4	945.0	946.3	946.3	945.0	929.4	903.0	857.9	807.2	737.6	657.4
50°	983.9	987.0	990.8	988.3	989.5	972.6	943.1	897.4	838.5	768.3	683.1
52.5°	1022.7	1022.7	1027.7	1027.7	1026.5	1010.2	977.0	928.7	870.4	795.9	706.9
55°	1055.9	1056.6	1061.0	1061.6	1061.0	1042.2	1007.1	955.0	894.3	819.1	726.3
57.5°	1081.0	1082.9	1088.5	1090.4	1087.9	1071.0	1031.5	978.9	914.3	837.2	743.2
60°	1103.6	1106.1	1112.3	1114.8	1113.0	1094.8	1053.4	997.0	930.6	852.9	757.6
62.5°	1123.6	1124.2	1132.4	1133.6	1133.0	1113.6	1069.7	1010.8	943.8	864.8	770.2
65°	1138.0	1139.9	1148.7	1150.6	1149.3	1128.6	1082.9	1022.1	954.4	874.8	779.6
67.5°	1149.3	1150.6	1159.3	1162.5	1161.2	1139.3	1092.3	1029.0	960.7	881.7	787.1
70°	1155.6	1157.5	1167.5	1170.0	1168.7	1146.8	1097.9	1032.1	964.4	886.7	792.1
72.5°	1159.3	1161.2	1171.9	1175.0	1174.4	1151.2	1100.4	1033.4	965.7	889.2	795.9
75°	1161.2	1163.1	1173.8	1178.1	1176.3	1153.1	1101.1	1032.8	965.1	891.1	799.0
76°	1161.2	1162.5	1173.8	1178.1	1176.3	1153.1	1101.1	1031.5	964.4	891.8	800.3
77.5°	1160.0	1161.8	1173.1	1176.9	1175.6	1152.4	1099.2	1029.0	962.6	890.5	800.9
80°	1156.8	1158.7	1169.4	1173.8	1171.9	1148.1	1094.8	1024.0	957.6	888.0	800.9
82.5°	1149.9	1151.8	1161.8	1165.0	1164.4	1140.5	1086.6	1015.2	950.0	883.6	799.6
85°	1139.3	1141.2	1149.3	1153.1	1151.2	1128.6	1074.7	1003.3	940.6	876.7	795.9
87.5°	1124.9	1126.1	1134.9	1136.2	1135.5	1113.0	1059.7	988.3	928.1	867.3	789.6
90°	1107.3	1108.6	1115.5	1117.4	1115.5	1094.2	1040.3	972.0	912.4	856.0	782.1
92.5°	1089.2	1088.5	1093.5	1095.4	1093.5	1072.2	1020.2	952.5	896.1	843.5	772.7
95°	1067.8	1069.1	1070.4	1071.6	1069.1	1048.4	997.7	931.2	878.6	829.7	763.9
97.5°	1044.0	1043.4	1044.7	1044.7	1042.2	1021.5	972.0	910.6	858.5	814.7	752.0
100°	1019.0	1018.3	1017.1	1014.6	1012.1	992.0	946.3	884.9	837.9	796.5	740.1
102.5°	991.4	987.6	983.9	983.2	977.6	960.7	916.8	860.4	815.9	779.6	725.1
105°	957.6	956.3	950.7	945.6	942.5	923.7	883.6	833.5	792.7	758.9	708.8
107.5°	923.1	920.6	912.4	910.6	904.3	887.4	851.0	806.5	769.6	738.2	689.3

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CATALOG NUMBER: FFX-CLB-50-750-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	886.1	884.9	876.1	*870.4*	865.4	846.6	815.3	777.7	743.9	715.0	667.4
112.5°	844.8	843.5	834.1	*829.7*	822.2	807.8	778.3	744.5	715.7	689.3	643.6
115°	802.8	802.1	791.5	*785.8*	779.0	761.4	737.6	711.3	685.6	659.3	614.8
117.5°	760.8	757.6	747.0	*740.1*	733.2	717.5	698.1	677.4	653.6	629.2	585.3
120°	713.2	712.5	700.6	*695.0*	688.7	674.3	657.4	638.0	619.2	594.7	555.9
122.5°	667.4	666.8	656.1	*649.2*	641.1	629.8	616.0	601.0	584.1	560.2	522.0
125°	621.0	619.8	608.5	*601.6*	594.7	585.3	572.2	561.5	547.7	525.2	488.8
127.5°	574.0	571.5	564.6	*557.7*	550.2	538.3	533.9	524.5	509.5	487.5	455.6
130°	530.2	528.9	519.5	*513.2*	505.7	496.3	492.6	485.0	474.4	454.3	424.3
132.5°	484.4	483.2	477.5	*471.3*	465.0	455.6	453.7	446.8	436.2	419.9	391.7
135°	443.7	442.4	436.2	*429.3*	426.1	419.2	416.7	411.1	401.1	384.8	360.3
137.5°	404.2	403.6	397.3	*391.7*	387.9	382.9	380.4	375.4	367.9	353.4	330.9
140°	368.5	365.3	360.3	*355.3*	351.6	346.5	345.3	340.9	335.3	321.5	305.2
142.5°	332.8	330.9	327.1	*322.7*	320.2	314.6	311.5	309.6	302.1	291.4	278.2
145°	297.7	297.7	294.5	*291.4*	287.6	283.9	281.4	279.5	273.2	263.8	251.3
147.5°	268.2	268.2	265.7	*264.5*	261.3	256.3	254.4	252.5	246.9	239.4	229.4
150°	243.1	241.9	240.0	*238.1*	235.6	231.2	228.1	226.2	221.8	216.2	206.8
152.5°	218.1	218.1	216.8	*214.3*	212.4	209.3	206.8	204.3	201.2	194.9	187.4
155°	196.8	196.8	194.9	*193.6*	192.4	189.9	187.4	184.9	181.1	176.1	170.5
157.5°	179.2	179.2	178.0	*177.3*	174.8	173.6	171.1	168.6	164.8	160.4	155.4
160°	162.9	163.6	162.9	*162.3*	160.4	158.5	156.0	153.5	150.4	146.6	142.9
162.5°	149.8	150.4	149.1	*148.5*	147.3	145.4	142.9	141.6	139.1	134.7	131.0
165°	138.5	138.5	137.9	*137.2*	136.6	134.1	132.9	131.6	129.1	126.0	122.8
167.5°	129.7	129.7	129.1	*129.1*	127.8	126.6	124.7	123.5	120.9	119.1	115.3
170°	122.2	122.2	121.6	*120.9*	120.3	119.1	117.8	115.9	114.7	112.2	110.3
172.5°	115.9	115.9	115.3	*114.7*	114.7	112.8	112.2	110.9	109.7	107.8	105.9
175°	110.9	110.3	110.3	*109.7*	109.0	107.8	107.2	106.5	105.3	104.7	103.4
177.5°	106.5	106.5	105.9	*105.9*	105.3	104.0	104.0	103.4	102.8	102.1	101.5
180°	100.9	100.9	100.9	*100.9*	100.9	100.9	100.9	100.9	100.9	100.9	100.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2.5°	68.3	66.4	61.4	57.0	53.9	49.5	45.7	44.5	43.9	43.2	43.2
5°	75.2	71.4	62.7	54.5	47.0	40.7	35.1	29.5	25.1	22.6	21.3
7.5°	94.6	90.2	78.3	67.7	57.0	47.6	38.2	31.3	25.1	21.3	21.3
10°	120.3	114.1	99.0	84.0	70.8	57.0	45.7	36.3	30.7	27.6	27.6
12.5°	147.3	139.1	121.6	102.1	84.0	68.3	54.5	44.5	38.2	35.7	35.7
15°	179.2	168.6	146.0	121.6	99.6	80.8	65.2	53.9	46.4	43.2	42.6
17.5°	209.9	196.1	169.2	141.6	115.3	92.7	74.6	60.2	52.0	47.6	47.0
20°	242.5	225.6	193.6	159.8	129.7	102.1	80.2	64.5	53.9	48.9	48.3
22.5°	272.6	254.4	216.2	176.7	141.0	109.0	83.3	65.2	53.3	47.6	47.0
25°	307.1	286.4	241.3	194.9	152.9	114.7	85.9	65.2	52.6	46.4	45.7
27.5°	342.2	317.7	267.0	213.1	163.6	120.9	87.7	65.2	51.4	45.1	44.5
30°	379.1	352.2	291.4	231.9	174.8	126.0	89.6	64.5	50.8	43.9	43.2
32.5°	416.7	385.4	318.3	250.0	186.1	131.0	90.9	64.5	49.5	43.2	42.0
35°	455.0	418.6	345.3	268.8	196.1	135.4	91.5	63.9	48.9	42.0	41.4
37.5°	488.8	451.2	370.4	285.8	205.5	138.5	92.1	63.3	48.3	41.4	40.7
40°	523.3	482.5	394.2	300.8	212.4	140.4	91.5	62.7	47.0	40.7	40.1
42.5°	554.6	510.7	416.1	315.2	218.7	142.3	90.9	61.4	46.4	40.1	39.5
45°	584.7	538.3	436.8	327.7	224.3	142.9	89.6	60.8	45.7	40.1	39.5
47.5°	612.3	562.1	456.8	339.7	229.4	142.9	89.0	59.5	45.7	40.1	39.5
50°	635.4	585.9	473.1	350.3	232.5	142.3	87.7	58.9	45.7	40.1	39.5
52.5°	658.0	605.4	489.4	358.5	234.4	141.0	85.9	58.3	45.7	40.7	40.1
55°	676.2	622.9	503.2	367.2	236.3	139.7	84.6	57.7	45.7	40.7	40.7
57.5°	691.8	637.3	513.9	372.9	236.3	137.2	83.3	57.7	46.4	42.0	41.4
60°	706.9	650.5	525.2	377.9	236.3	135.4	82.1	57.7	47.0	42.6	42.0
62.5°	716.9	661.1	533.9	382.3	235.0	133.5	80.8	57.7	47.6	43.9	43.2
65°	726.9	671.2	542.1	386.0	234.4	131.6	80.8	58.3	48.9	45.7	45.1
67.5°	734.5	679.3	547.7	388.5	233.1	129.7	80.2	59.5	50.8	47.6	47.0
70°	740.7	685.6	554.6	390.4	231.9	128.5	80.8	61.4	52.6	49.5	49.5
72.5°	745.7	691.2	558.4	392.3	230.6	127.8	82.1	63.3	55.8	52.6	52.0
75°	*748.9*	*694.4*	*562.1*	*392.9*	*229.4*	*127.2*	*83.3*	*65.8*	*58.3*	*55.8*	*55.1*
76°	749.5	695.6	563.4	393.5	228.7	127.2	84.0	66.4	59.5	57.0	56.4
77.5°	751.4	697.5	564.6	393.5	228.1	127.2	85.2	68.3	61.4	58.9	58.9
80°	752.6	698.7	566.5	394.2	226.9	127.2	87.1	71.4	65.2	62.7	62.0
82.5°	752.0	699.4	567.1	392.9	226.2	127.8	89.6	74.6	68.9	66.4	65.8
85°	749.5	697.5	565.9	391.0	224.3	129.1	92.1	78.3	72.1	69.6	69.6
87.5°	745.1	693.1	562.8	388.5	223.1	129.7	94.6	81.5	75.8	73.3	73.3
90°	738.8	688.1	559.0	386.0	221.2	130.3	97.8	84.6	79.6	77.7	77.1
92.5°	731.3	681.8	554.0	382.3	220.0	131.6	100.3	88.4	83.3	80.8	80.8
95°	723.8	674.9	548.3	377.9	218.7	133.5	102.8	91.5	86.5	84.6	84.6
97.5°	713.2	665.5	540.8	372.9	216.8	134.1	105.9	94.6	90.2	87.7	87.7
100°	700.0	654.9	532.0	367.9	215.6	136.0	108.4	97.8	93.4	91.5	90.9
102.5°	686.8	642.3	522.6	362.2	213.7	136.6	110.9	100.9	95.9	94.0	94.0
105°	671.8	628.6	510.7	354.7	211.8	137.9	112.8	102.8	98.4	96.5	95.9
107.5°	654.2	611.0	498.8	347.8	209.9	139.1	114.7	104.7	100.3	98.4	97.8

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

Scaled Data Report

REPORT NUMBER: P1045953
CATALOG NUMBER: FFX-CLB-50-750-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	634.2	594.7	484.4	340.3	208.7	141.0	116.6	105.9	101.5	99.0	99.0
112.5°	611.0	571.5	468.7	331.5	208.7	143.5	117.8	107.2	102.1	99.6	99.6
115°	583.4	547.1	449.9	323.4	208.1	146.0	120.3	107.8	102.1	100.3	99.6
117.5°	556.5	521.4	431.1	315.2	209.9	150.4	122.8	109.0	102.1	99.6	99.6
120°	526.4	494.4	411.7	307.1	212.4	154.8	126.0	109.7	102.1	99.0	99.0
122.5°	495.1	465.6	392.9	299.5	214.3	159.8	128.5	110.9	101.5	98.4	97.8
125°	465.6	436.2	371.6	292.0	216.2	164.2	131.6	111.5	100.9	97.1	96.5
127.5°	433.0	410.5	352.8	283.9	217.5	167.9	134.1	112.2	100.3	95.9	95.3
130°	404.8	382.9	334.0	275.1	216.2	169.2	134.7	111.5	99.0	94.6	94.6
132.5°	373.5	355.9	313.3	263.8	213.1	169.2	135.4	111.5	98.4	94.0	93.4
135°	345.9	329.6	293.9	251.3	207.4	166.7	134.1	110.9	97.8	93.4	92.7
137.5°	320.2	304.6	273.2	238.1	199.3	162.3	131.6	109.7	97.1	92.7	92.1
140°	292.7	281.4	254.4	223.7	190.5	157.3	128.5	108.4	97.1	92.7	92.1
142.5°	267.6	258.2	233.7	208.1	179.2	149.8	124.7	106.5	96.5	92.7	92.1
145°	245.0	234.4	215.6	192.4	167.9	142.9	120.9	105.3	95.9	92.7	92.1
147.5°	223.1	213.7	198.0	178.0	157.9	136.0	117.2	103.4	95.9	92.7	92.1
150°	201.2	194.9	181.1	164.8	146.6	129.1	113.4	102.1	95.9	93.4	92.7
152.5°	182.4	178.0	166.1	152.9	137.2	122.2	109.7	100.9	95.9	93.4	93.4
155°	166.7	162.3	152.3	140.4	129.1	116.6	107.2	99.6	95.9	94.0	93.4
157.5°	151.0	147.9	139.7	131.0	121.6	112.2	104.7	99.0	95.9	94.0	94.0
160°	139.1	136.0	129.7	122.8	115.3	108.4	102.1	97.8	95.9	94.6	94.6
162.5°	129.1	126.6	121.6	115.9	110.3	104.7	100.3	97.1	95.9	94.6	94.6
165°	120.9	119.1	114.7	110.3	106.5	102.1	99.0	97.1	95.9	95.3	95.3
167.5°	114.1	112.8	109.7	106.5	103.4	100.3	97.8	96.5	95.9	95.9	95.9
170°	109.0	107.8	105.9	103.4	100.9	99.0	97.1	96.5	96.5	95.9	96.5
172.5°	105.3	104.7	102.8	100.9	99.6	97.8	97.1	96.5	97.1	97.1	97.1
175°	102.8	102.1	100.9	99.6	99.0	97.8	97.8	97.1	97.8	98.4	98.4
177.5°	100.9	100.3	99.6	99.6	99.0	98.4	98.4	99.0	99.6	99.6	99.6
180°	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9

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: SP1-2501-332-10

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

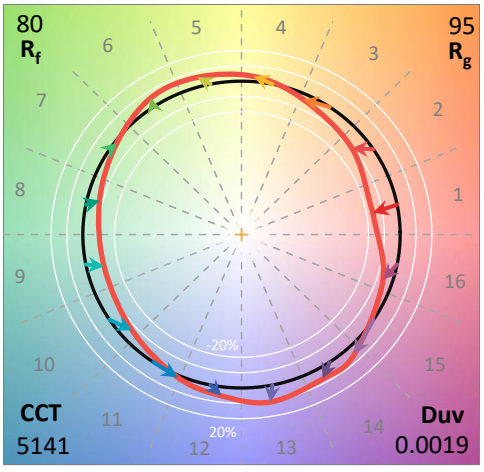
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-10
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-20-750-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	5141	CRI (Ra):	78.0		
CIE u':	0.2087	R1:	75.1	R9:	-20.0
CIE v':	0.4845	R2:	83.7	R10:	62.4
Duv:	0.0019	R3:	90.5	R11:	77.7
CIE x:	0.3415	R4:	78.3	R12:	58.6
CIE y:	0.3524	R5:	77.1	R13:	76.9
CIE z:	0.3060	R6:	78.0	R14:	95.0
Peak Wavelength (nm):	448	R7:	82.9	R15:	67.8
Dominant Wavelength (nm):	568	R8:	58.7		
Purity:	8.219556				
Rf:	79.6				
Rg:	95.3				



Test Conditions

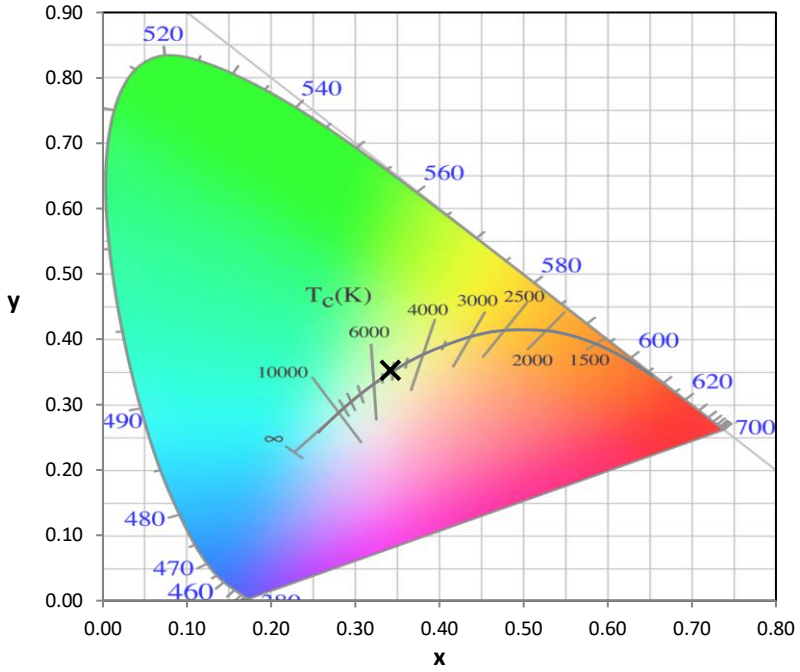
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-10

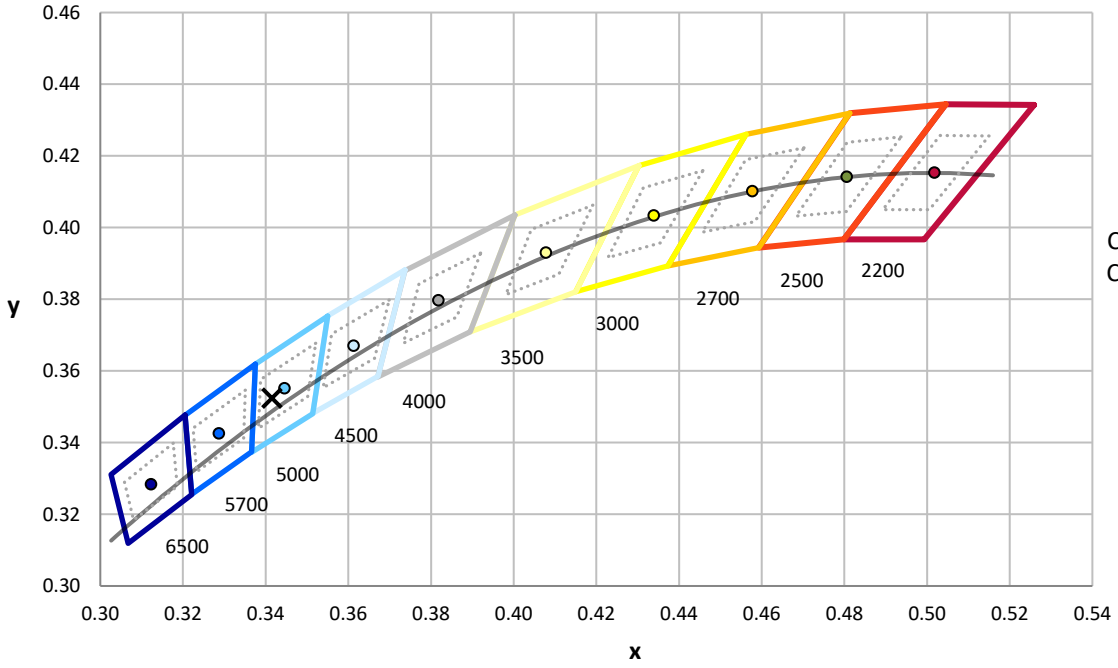
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-10

CIE 1931 Chromaticity Diagram



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

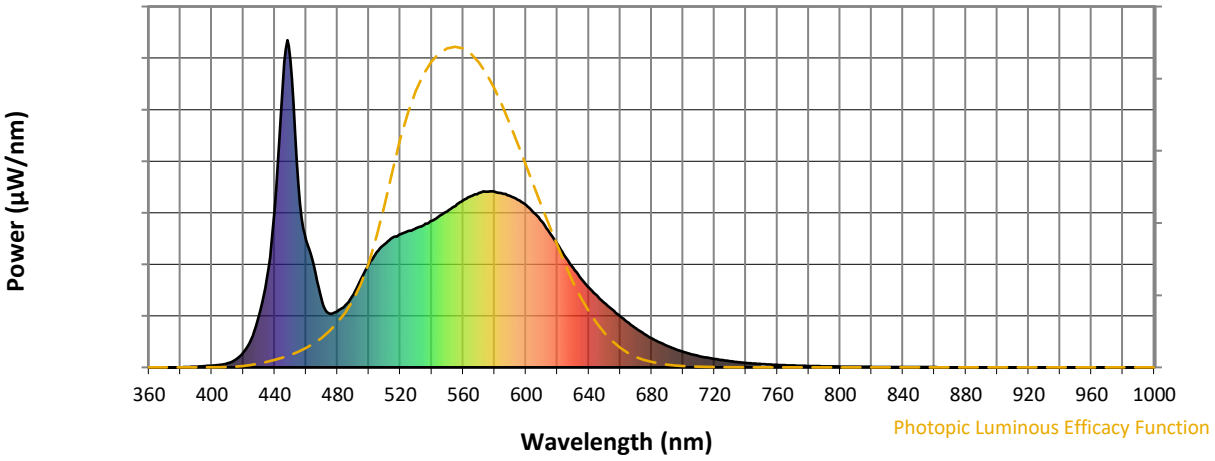


CCT = 5141K
CIE x = 0.3415
CIE y = 0.3524
Duv = 0.0019

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-10

Photopic Flux vs. Wavelength

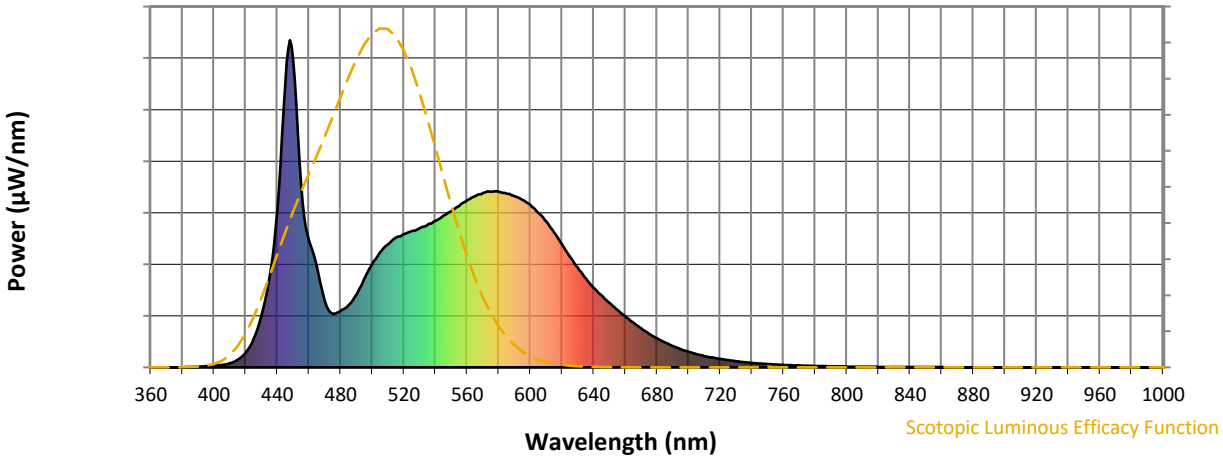


Photopic Lumens: NR

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Scotopic Flux vs. Wavelength

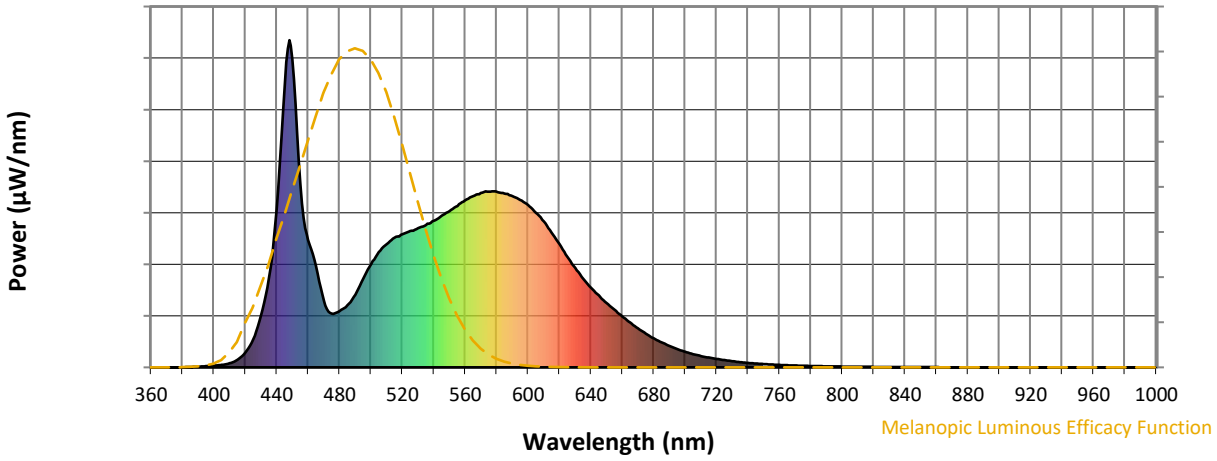


Scotopic Lumens: NR **S/P: 1.92**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.05**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

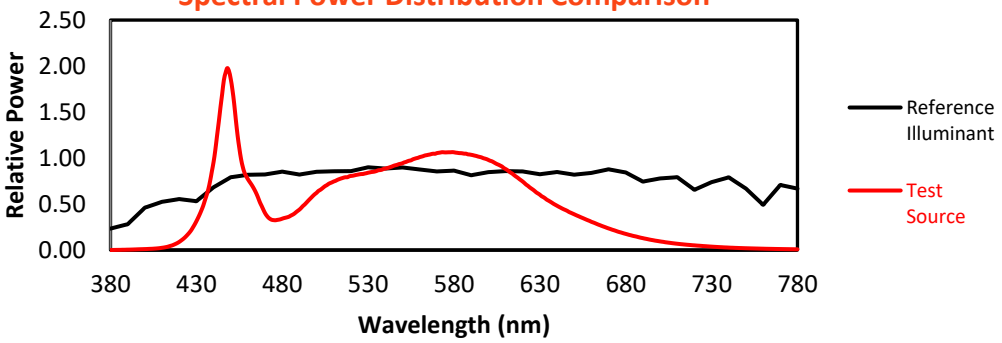
REPORT NUMBER: SP1-2501-332-10

TM-30-18

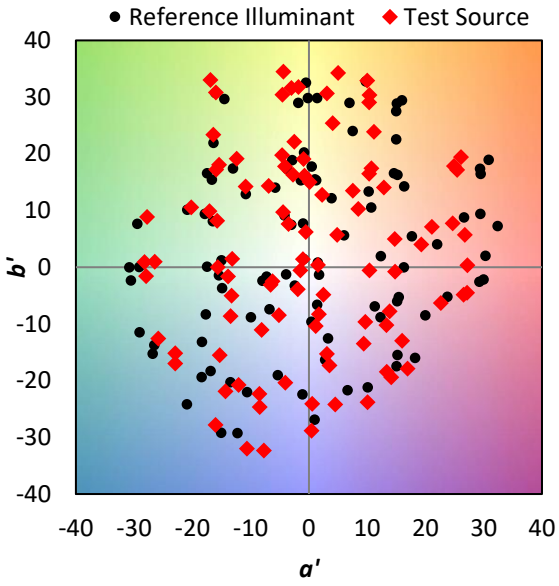
Summary

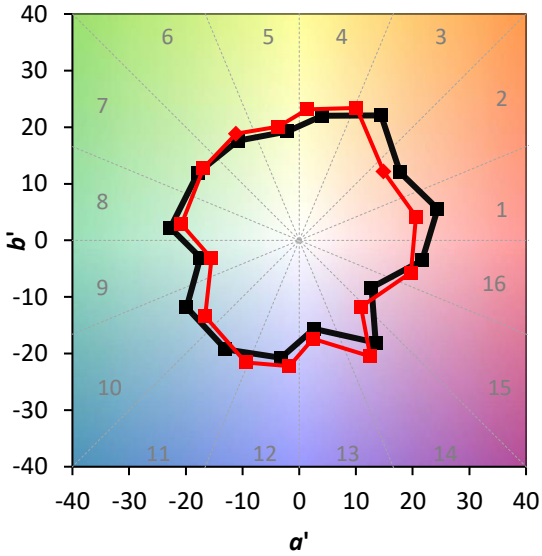
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R_g = 95.3
CIE R_a = 78.0
R_9 = -20.0

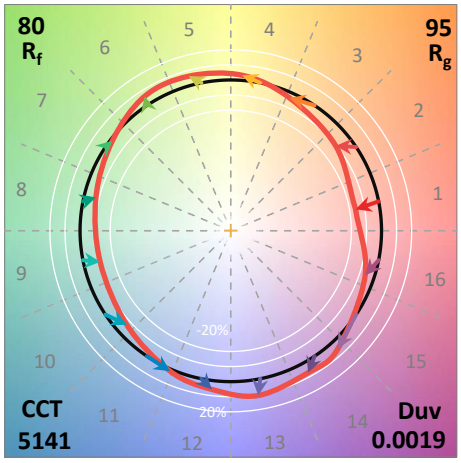
Spectral Power Distribution Comparison

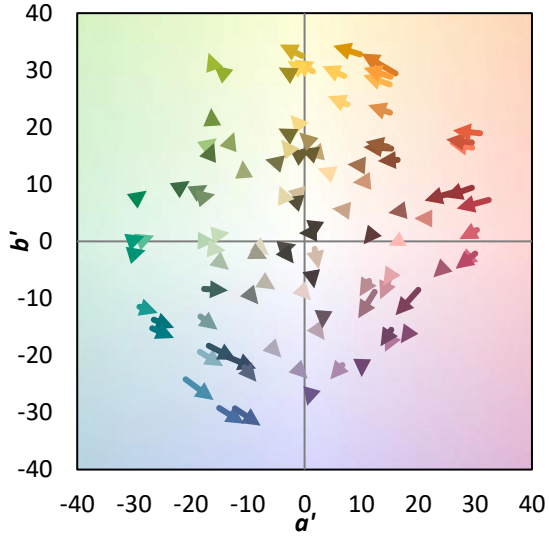


Color Vector Graphics







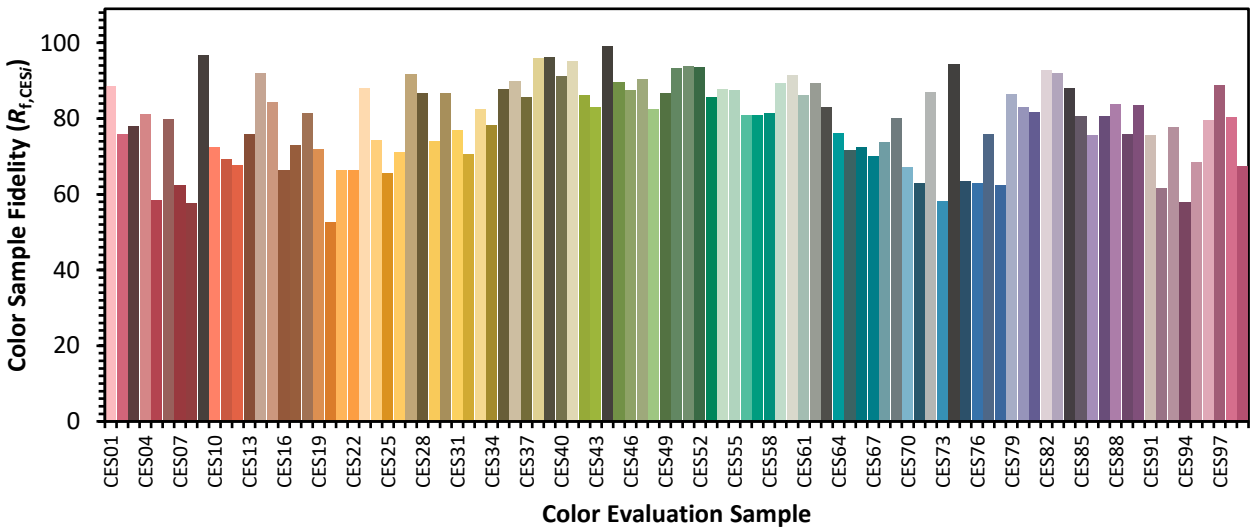


REPORT NUMBER: SP1-2501-332-10

TM-30-18

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

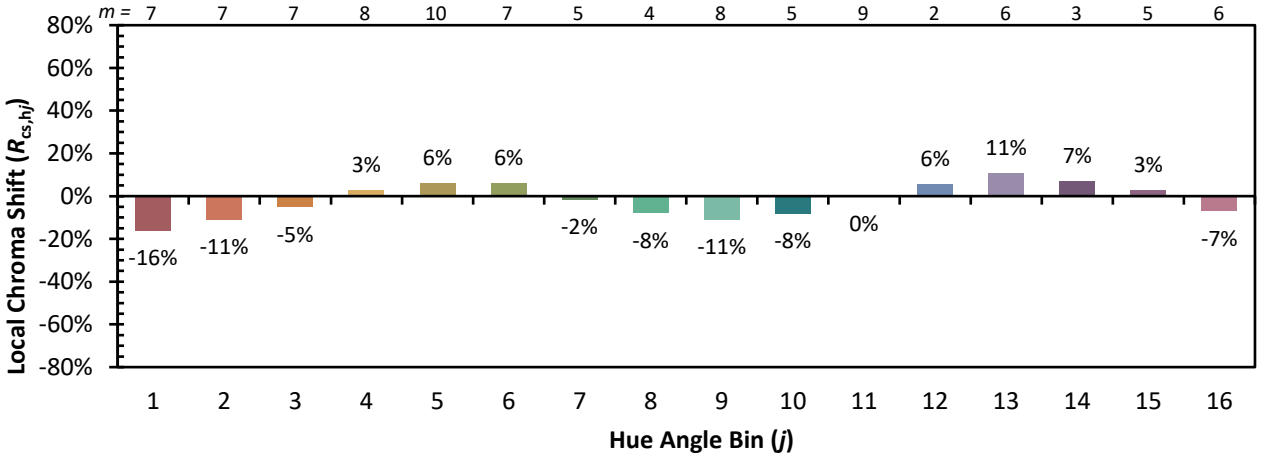
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CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 76
CES03 = 30	CES28 = 87	CES53 = 86	CES78 = 63
CES04 = 69	CES29 = 74	CES54 = 88	CES79 = 86
CES05 = 46	CES30 = 87	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 77	CES56 = 81	CES81 = 82
CES07 = 39	CES32 = 70	CES57 = 81	CES82 = 93
CES08 = 38	CES33 = 83	CES58 = 82	CES83 = 92
CES09 = 29	CES34 = 78	CES59 = 89	CES84 = 88
CES10 = 73	CES35 = 88	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 90	CES61 = 86	CES86 = 76
CES12 = 61	CES37 = 86	CES62 = 89	CES87 = 81
CES13 = 42	CES38 = 96	CES63 = 83	CES88 = 84
CES14 = 74	CES39 = 96	CES64 = 76	CES89 = 76
CES15 = 70	CES40 = 91	CES65 = 72	CES90 = 83
CES16 = 46	CES41 = 95	CES66 = 72	CES91 = 76
CES17 = 49	CES42 = 86	CES67 = 70	CES92 = 62
CES18 = 55	CES43 = 83	CES68 = 74	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 58
CES20 = 64	CES45 = 90	CES70 = 67	CES95 = 68
CES21 = 85	CES46 = 88	CES71 = 63	CES96 = 79
CES22 = 77	CES47 = 90	CES72 = 87	CES97 = 89
CES23 = 91	CES48 = 83	CES73 = 58	CES98 = 80
CES24 = 90	CES49 = 87	CES74 = 94	CES99 = 67
CES25 = 71	CES50 = 93	CES75 = 64	

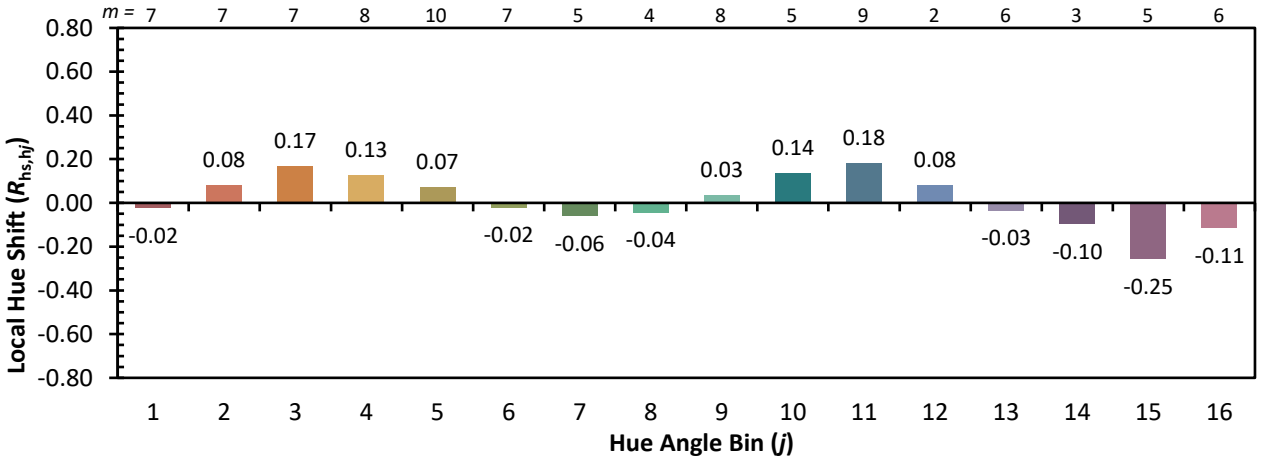


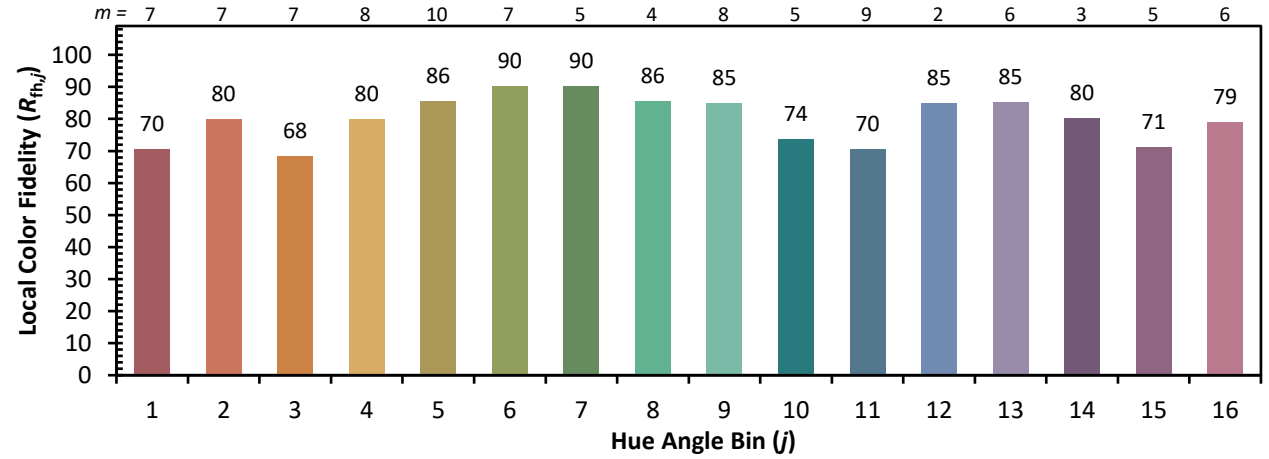
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Color Rendition by Hue-Angle Bin



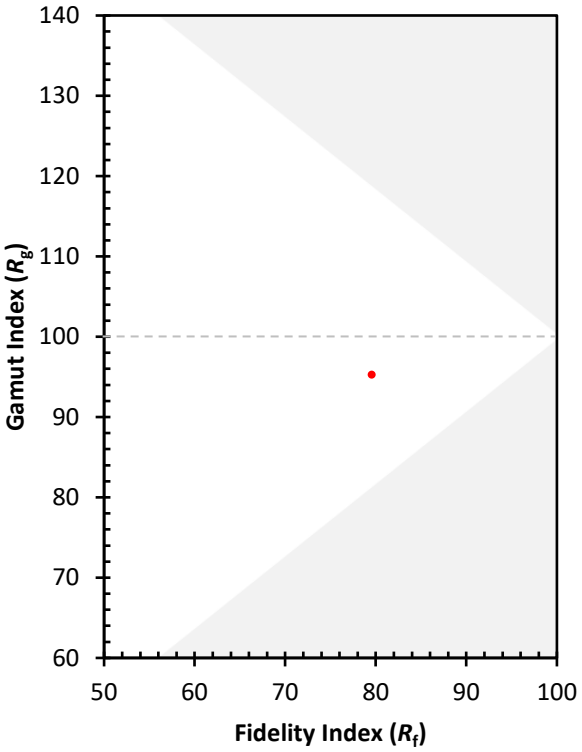


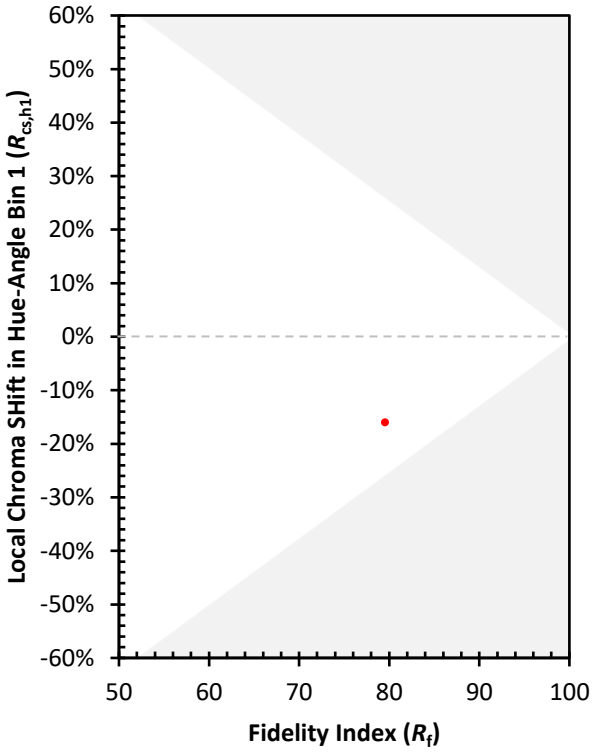


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Measure Comparisons





(END OF REPORT)