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: P1224027

Luminaire Tested: **FFX-CLB-50-727-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:	P1224027
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-727-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) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6667 lumens
Efficiency:	N/A
Efficacy:	131.8 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):	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

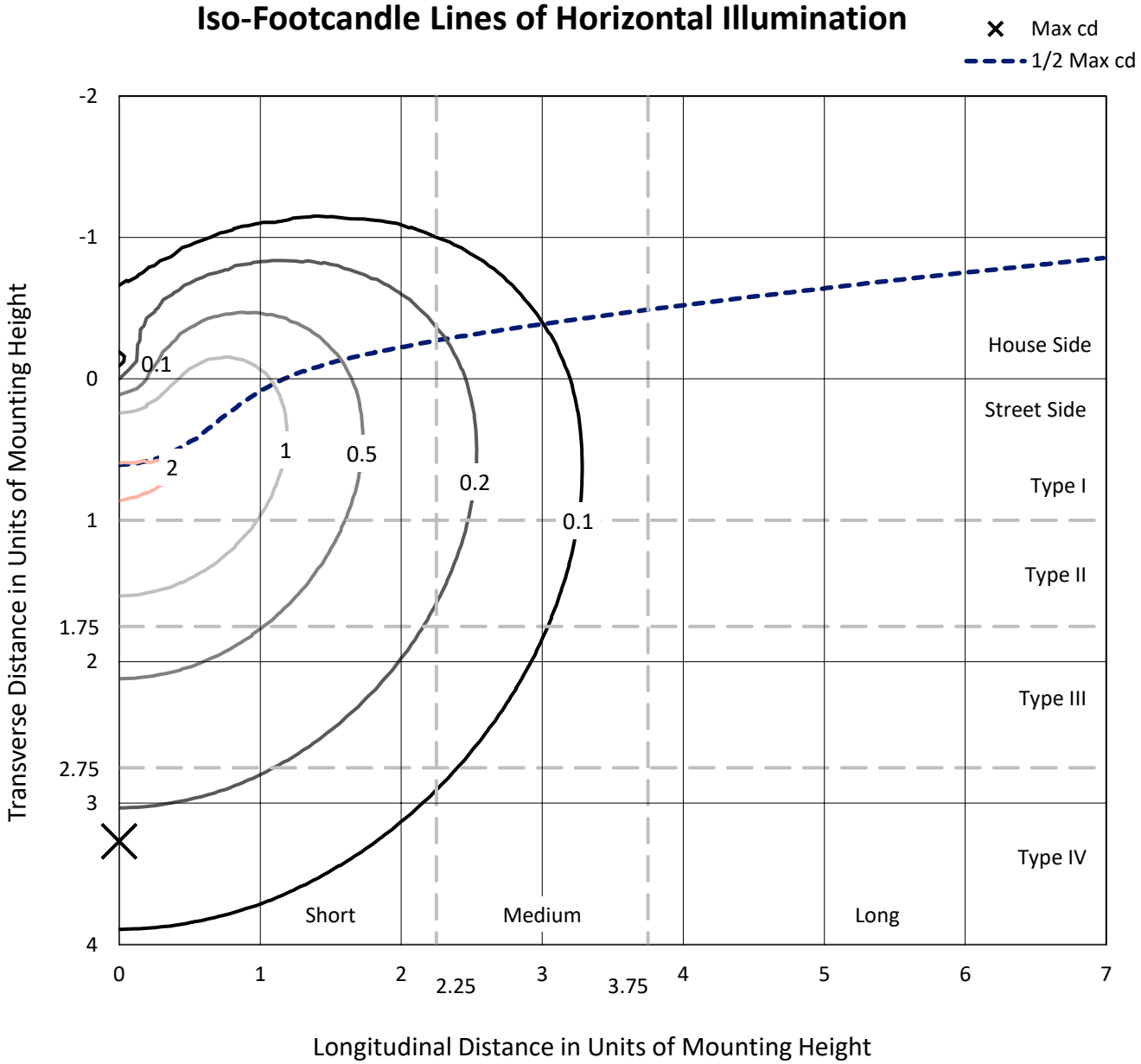


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Iso-Footcandle Lines of Horizontal Illumination



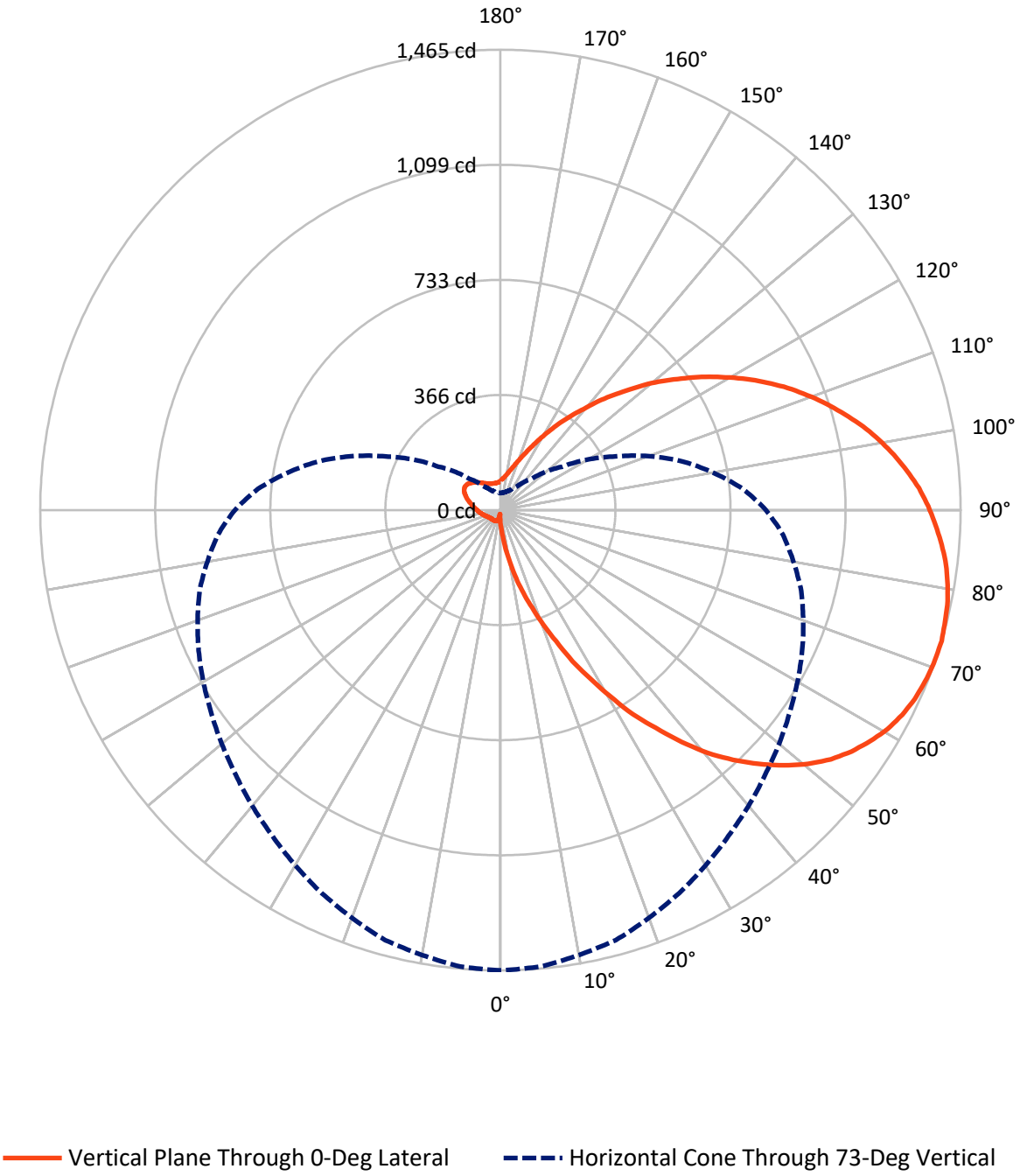
Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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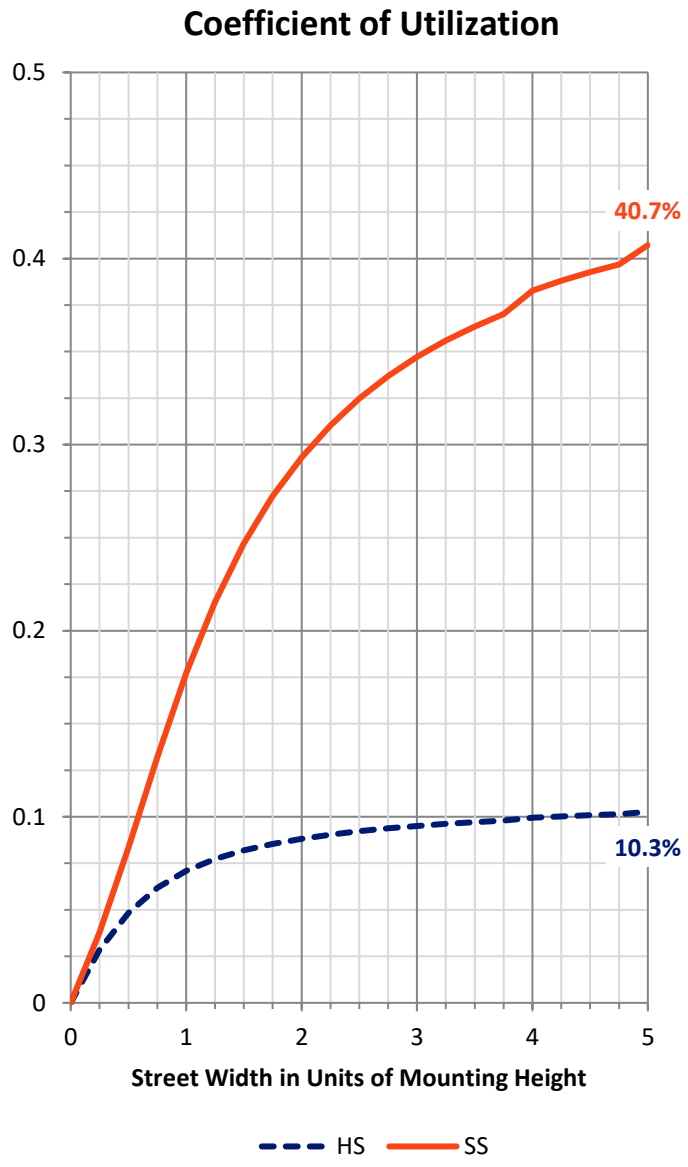
REPORT NUMBER: P1224027
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	738.5	725.6	1464.1
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	3113.5	2089.4	5202.9
	% Fixture	46.7	31.3	78.0
Total	Lumens	3852.0	2815.0	6667.0
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	47.3	0.7
20°-30°	142.7	2.1
30°-40°	297.3	4.5
40°-50°	471.2	7.1
50°-60°	619.0	9.3
60°-70°	721.2	10.8
70°-80°	773.0	11.6
80°-90°	773.6	11.6
90°-100°	725.4	10.9
100°-110°	638.1	9.6
110°-120°	527.0	7.9
120°-130°	396.6	5.9
130°-140°	261.7	3.9
140°-150°	150.1	2.3
150°-160°	74.4	1.1
160°-170°	32.5	0.5
170°-180°	9.1	0.1
0°-90°	3852.0	57.8
0°-180°	6667.0	100.0



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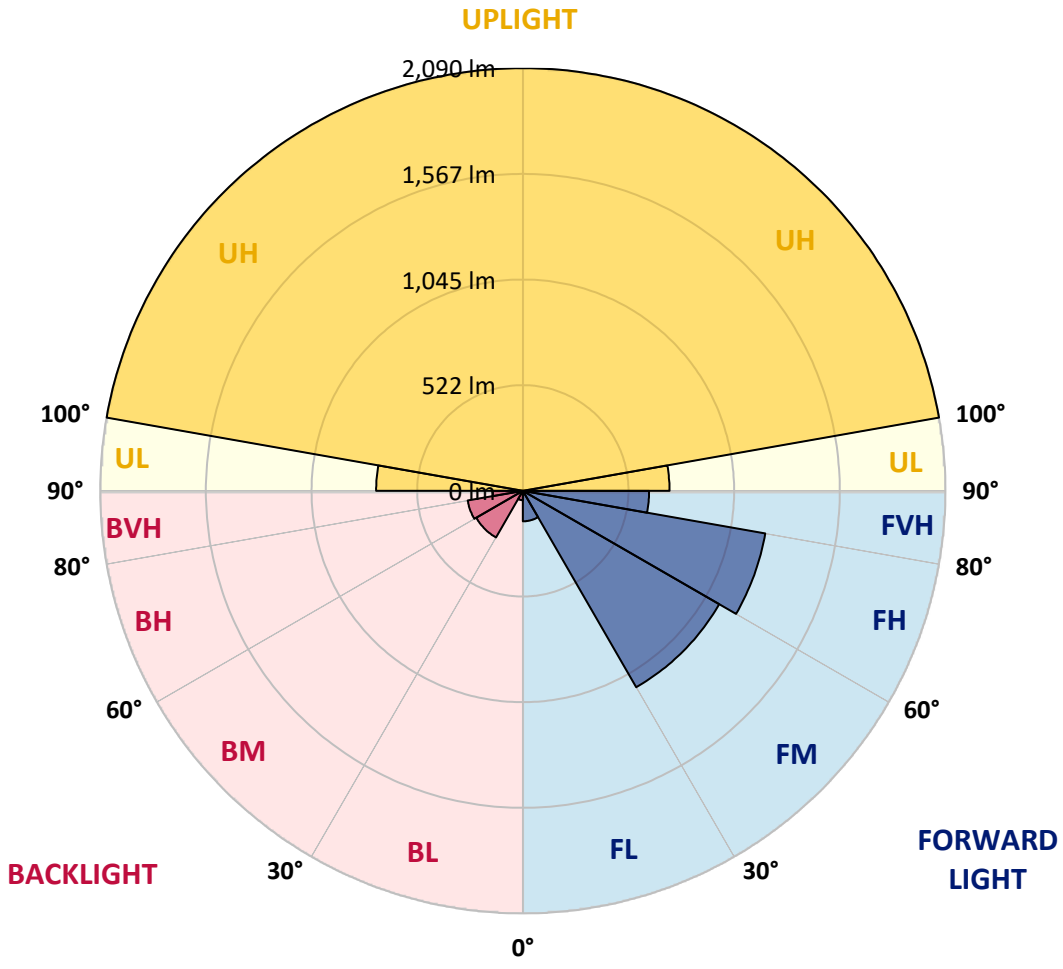
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	150.7	2.3			
FM	(30°-60°)	1121.4	16.8			
FH	(60°-80°)	1217.2	18.3			G1/1800
FVH	(80°-90°)	624.2	9.4			G4/750
BL	(0°-30°)	46.1	0.7	B0/110		
BM	(30°-60°)	266.1	4.0	B1/1000		
BH	(60°-80°)	277.0	4.2	B1/500		G1/500
BVH	(80°-90°)	149.3	2.2			G2/225
UL	(90°-100°)	725.4	10.9		U4/1000	
UH	(100°-180°)	2089.6	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°	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
2.5°	60.1	60.6	60.1	61.1	58.8	58.8	57.0	55.1	52.9	50.1	48.3
5°	89.3	88.9	88.9	89.3	87.9	83.8	79.3	72.9	67.4	61.5	58.3
7.5°	128.5	126.7	124.9	124.4	119.8	113.9	107.5	100.2	92.5	84.3	78.4
10°	169.5	170.9	169.1	164.0	158.6	151.7	143.5	133.5	123.5	112.1	105.3
12.5°	222.4	218.7	214.2	209.2	203.7	197.3	184.1	172.7	158.6	144.4	135.3
15°	273.9	270.7	270.7	264.3	255.6	246.1	233.8	219.6	200.0	177.7	169.5
17.5°	326.7	327.2	322.6	315.3	307.6	295.3	282.1	262.0	242.0	218.7	204.6
20°	388.7	386.9	383.7	378.2	364.5	353.6	337.2	314.9	287.5	259.3	242.0
22.5°	452.9	453.8	453.8	445.2	432.4	417.4	398.7	373.2	340.8	304.4	283.4
25°	533.1	532.7	524.0	514.0	504.0	488.5	464.8	433.8	398.3	354.5	329.9
27.5°	606.0	605.6	603.8	594.6	579.6	559.6	531.8	498.0	457.5	405.1	375.9
30°	687.1	689.0	684.0	676.2	656.6	636.1	603.8	564.1	516.3	459.8	427.0
32.5°	775.1	771.4	767.3	757.3	735.9	707.2	670.7	629.7	577.3	512.6	476.6
35°	851.2	858.0	851.6	836.1	809.7	779.2	739.1	693.1	636.1	566.8	525.8
37.5°	936.8	935.5	925.9	910.9	885.4	846.6	804.2	750.9	687.1	615.1	569.6
40°	1016.6	1011.1	1005.7	983.3	951.0	912.2	859.8	805.6	740.0	658.9	612.9
42.5°	1087.2	1086.8	1072.2	1049.9	1009.3	966.5	912.2	851.6	783.3	699.4	647.5
45°	1152.4	1151.0	1136.9	1103.6	1065.3	1013.9	957.4	894.5	822.5	734.1	684.4
47.5°	1213.9	1210.2	1190.7	1156.9	1108.6	1054.4	996.1	930.0	855.7	765.1	713.1
50°	1269.9	1266.8	1244.0	1201.1	1149.6	1091.8	1028.0	959.6	887.2	796.0	740.0
52.5°	1317.8	1312.3	1285.9	1239.9	1181.1	1120.0	1053.5	985.1	911.8	817.9	763.7
55°	1356.1	1350.1	1321.9	1270.4	1208.9	1142.8	1075.4	1007.5	930.9	837.5	781.9
57.5°	1388.0	1383.4	1352.4	1295.9	1230.3	1162.4	1094.1	1024.8	948.7	855.7	797.9
60°	1415.8	1410.3	1375.2	1316.9	1247.6	1177.4	1107.7	1038.5	963.7	869.9	812.5
62.5°	1435.3	1431.2	1394.3	1331.9	1259.9	1188.8	1116.8	1049.9	975.1	882.6	823.4
65°	1449.5	1444.5	1407.1	1341.0	1267.7	1194.3	1123.7	1054.9	982.4	890.4	831.6
67.5°	1457.7	1454.0	1414.8	1347.4	1270.9	1197.0	1126.9	1059.9	988.3	896.7	838.0
70°	1463.1	1457.7	1418.0	1348.8	1269.9	1196.6	1126.9	1060.3	991.5	901.3	841.6
72.5°	1464.5	1458.6	1417.6	1346.5	1267.2	1192.0	1124.6	1060.8	992.4	903.6	845.3
73°	1465.0	1458.6	1417.1	1345.6	1265.8	1191.6	1124.1	1059.9	991.5	903.1	845.3
75°	1460.0	1455.9	1413.5	1340.1	1261.3	1187.0	1120.9	1057.6	991.5	903.6	844.8
77.5°	1454.9	1448.6	1404.4	1332.4	1250.8	1178.8	1114.1	1053.0	988.3	902.7	844.3
80°	1443.1	1436.7	1392.5	1317.8	1237.6	1167.0	1104.5	1045.8	982.4	897.7	840.7
82.5°	1429.4	1422.1	1376.1	1300.9	1221.6	1151.9	1092.2	1036.2	974.7	891.7	835.2
85°	1409.4	1403.9	1357.0	1280.4	1203.4	1136.4	1078.1	1024.8	964.6	882.6	827.0
87.5°	1386.1	1381.6	1332.8	1257.2	1180.2	1116.4	1061.7	1009.8	953.3	872.6	817.9
90°	1362.0	1356.5	1307.8	1230.8	1157.4	1094.5	1042.6	993.8	939.1	860.3	806.1
92.5°	1334.2	1327.8	1278.6	1203.9	1132.3	1072.2	1023.9	976.0	923.2	846.2	793.8
95°	1300.5	1294.5	1245.8	1171.1	1100.9	1046.2	999.3	955.1	904.5	829.3	778.7
97.5°	1264.5	1259.0	1209.8	1138.3	1070.4	1016.6	972.8	932.7	884.4	812.9	761.9
100°	1225.7	1218.4	1169.7	1100.9	1033.9	985.1	946.0	910.0	862.6	792.4	743.6
102.5°	1184.7	1177.9	1131.4	1064.0	1001.1	953.7	918.2	883.1	839.8	773.7	725.9
105°	1138.3	1134.6	1087.7	1022.5	963.7	920.0	886.7	856.2	815.2	750.9	707.2
107.5°	1092.2	1084.9	1041.2	978.8	923.6	884.0	855.3	827.0	789.7	728.2	686.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1043.5*	1036.2	997.0	937.3	886.3	848.4	822.0	797.0	763.2	705.8	666.6
112.5°	*994.3*	986.1	947.3	892.6	843.0	812.0	787.8	766.9	736.4	683.5	644.8
115°	*940.9*	937.8	899.9	847.5	803.8	774.6	753.7	734.5	705.8	659.3	623.8
117.5°	*888.5*	882.6	849.8	801.5	761.0	733.6	717.7	700.8	674.8	631.1	600.1
120°	*832.0*	830.7	799.2	754.1	716.3	694.9	679.4	665.3	642.5	602.8	573.7
122.5°	*778.7*	776.0	745.9	705.4	673.9	653.9	641.6	629.3	609.7	572.8	545.4
125°	*722.2*	719.0	695.3	662.1	632.0	612.9	601.0	591.5	573.7	540.4	514.9
127.5°	*669.8*	666.6	645.2	613.3	589.6	572.3	561.4	552.7	535.0	506.2	483.9
130°	*617.9*	612.4	593.7	568.2	544.5	532.7	521.7	515.4	497.1	470.2	450.7
132.5°	*562.3*	559.6	546.3	522.6	503.5	491.2	481.6	473.4	459.3	434.7	416.9
135°	*513.1*	510.3	498.0	478.0	464.8	453.4	444.7	436.1	421.5	397.8	382.8
137.5°	*466.1*	463.9	452.9	439.3	422.4	415.6	409.6	399.2	386.4	365.0	351.3
140°	*416.9*	417.8	409.2	396.9	386.4	378.2	372.3	363.6	350.9	332.6	319.0
142.5°	*376.4*	377.7	367.3	358.6	349.0	342.7	336.7	329.4	317.1	300.7	290.3
145°	*338.1*	334.9	330.8	322.6	313.5	309.4	303.5	297.1	287.5	271.1	262.5
147.5°	*299.4*	298.5	294.4	288.9	281.6	275.2	270.7	267.0	257.5	243.8	236.0
150°	*264.3*	263.4	261.1	257.0	250.6	246.5	242.9	237.9	228.7	218.3	211.4
152.5°	*233.3*	233.3	231.9	226.5	223.7	219.2	214.6	211.9	202.8	194.1	188.2
155°	*206.4*	206.4	204.6	201.9	196.8	194.1	191.4	187.3	180.9	174.1	168.6
157.5°	*183.2*	183.6	181.4	179.1	175.4	173.2	170.4	166.3	162.2	155.8	151.7
160°	*162.7*	163.1	162.2	160.4	156.7	154.5	152.2	149.0	145.4	140.3	136.7
162.5°	*146.3*	145.8	144.9	143.1	140.8	139.4	136.7	134.4	131.2	127.6	124.4
165°	*133.5*	132.1	131.7	130.3	128.0	126.7	124.4	122.6	120.3	116.7	115.3
167.5°	*122.1*	122.1	121.2	120.3	118.5	116.7	114.8	113.5	111.6	109.4	107.5
170°	*113.0*	113.0	112.1	111.2	109.4	108.4	107.1	105.7	104.3	102.5	101.6
172.5°	*105.7*	105.7	105.3	103.9	103.0	101.6	101.2	99.8	98.4	97.5	96.6
175°	*100.2*	100.2	99.3	98.4	97.5	96.6	95.7	95.2	94.8	93.9	93.4
177.5°	*96.1*	95.7	95.2	94.3	93.4	93.0	92.5	92.0	92.0	91.6	91.1
180°	*90.7*	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
2.5°	46.5	42.4	37.8	33.7	31.4	28.3	26.4	25.5	26.4	25.1
5°	55.1	47.8	40.6	35.1	29.2	24.6	20.5	16.4	13.7	13.2
7.5°	73.4	65.2	55.1	46.0	37.8	30.5	24.2	19.1	15.5	15.0
10°	97.1	84.8	72.0	59.2	47.4	37.8	30.1	24.6	22.8	22.3
12.5°	126.7	108.9	91.1	74.3	59.7	46.9	38.3	32.4	29.6	29.2
15°	157.7	135.3	112.5	90.7	71.1	55.6	44.7	38.3	35.1	34.6
17.5°	190.9	161.8	130.8	105.3	82.0	63.3	49.7	41.0	37.4	36.5
20°	224.6	188.2	152.6	119.4	91.1	68.3	52.4	42.4	37.8	36.9
22.5°	262.5	218.7	174.5	133.1	99.3	73.4	54.7	43.3	38.3	37.4
25°	305.3	249.7	197.3	149.0	108.4	77.9	57.0	44.7	38.7	37.8
27.5°	349.0	284.3	220.5	163.1	116.2	81.1	58.8	45.1	39.2	38.3
30°	393.2	319.0	244.2	176.8	123.0	84.8	59.7	45.6	39.2	38.7
32.5°	439.3	351.3	267.0	189.6	129.0	87.0	60.6	46.0	39.6	38.7
35°	480.7	385.5	288.4	201.9	134.4	88.9	61.1	46.0	39.6	38.7
37.5°	520.4	414.7	308.0	211.9	138.5	90.2	61.5	46.0	39.6	38.7
40°	561.8	445.6	325.8	221.0	141.7	91.1	61.5	46.0	39.6	39.2
42.5°	595.6	471.6	340.8	227.4	144.0	91.1	61.5	46.0	40.1	39.2
45°	626.1	493.0	355.4	233.3	145.4	91.1	61.1	46.5	40.1	39.6
47.5°	652.5	514.4	366.4	237.4	145.8	91.1	61.1	46.5	40.6	40.1
50°	677.1	531.8	375.9	240.6	146.3	90.7	61.1	46.9	41.0	40.1
52.5°	698.1	545.9	383.7	242.4	145.4	89.8	61.1	47.4	41.9	41.0
55°	715.9	559.1	389.1	243.3	144.4	89.3	61.1	47.8	42.4	41.9
57.5°	730.4	569.6	394.2	243.8	143.5	88.9	61.5	48.8	43.7	43.3
60°	743.6	578.2	397.8	243.8	142.6	88.4	62.0	49.7	44.7	44.2
62.5°	754.1	585.1	400.5	243.3	142.2	88.4	62.9	51.0	46.0	45.6
65°	761.4	590.1	401.9	242.4	141.3	88.9	63.8	52.4	47.8	47.4
67.5°	768.3	594.6	402.8	242.0	140.8	89.3	65.2	54.2	49.7	49.2
70°	772.4	597.4	403.3	241.5	140.3	90.2	66.5	56.0	51.9	51.5
72.5°	774.2	599.2	403.7	240.6	140.8	91.1	68.3	57.9	54.2	53.8
73°	*774.6*	*599.2*	*403.3*	*240.6*	*140.8*	*91.6*	*68.8*	*58.8*	*54.7*	*54.2*
75°	775.5	599.2	402.8	240.1	141.3	92.5	70.2	60.6	56.5	56.5
77.5°	774.2	598.3	401.9	239.7	141.7	94.3	72.5	62.9	59.2	58.8
80°	771.4	596.0	400.5	239.7	142.6	96.1	75.2	65.6	62.0	61.5
82.5°	765.5	591.9	398.7	239.2	144.0	98.4	77.9	68.3	65.2	64.7
85°	759.6	586.9	396.0	239.2	145.8	101.2	80.7	71.5	68.3	67.9
87.5°	750.5	581.0	393.2	238.8	147.6	103.4	83.4	74.7	71.1	71.1
90°	740.0	574.6	390.5	239.2	149.5	106.6	87.0	78.4	74.7	74.3
92.5°	729.5	567.3	387.3	240.1	152.6	109.8	90.7	82.0	78.4	77.5
95°	715.4	557.3	383.7	240.6	155.4	113.5	94.3	85.7	82.0	82.0
97.5°	700.8	548.2	379.6	242.0	159.0	118.0	99.3	90.2	86.6	86.6
100°	685.3	538.6	376.8	243.3	162.7	123.0	103.9	94.8	91.1	91.1
102.5°	668.9	528.1	374.1	246.1	168.1	128.0	109.4	100.2	96.1	96.1
105°	652.1	518.1	371.4	249.2	173.6	134.4	115.3	106.2	102.1	102.1
107.5°	635.7	508.5	369.1	253.4	179.5	140.8	121.2	112.1	108.0	107.1

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

Scaled Data Report

REPORT NUMBER: P1224027
CATALOG NUMBER: FFX-CLB-50-727-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	618.3	498.5	367.3	257.5	186.4	148.1	128.5	118.0	113.5	113.5
112.5°	599.7	488.0	365.9	261.6	193.7	155.4	134.9	124.4	119.8	118.9
115°	580.1	477.5	363.2	266.1	200.0	162.7	141.7	129.9	124.9	124.4
117.5°	560.9	465.2	360.0	269.3	206.0	168.6	147.2	135.3	129.9	129.4
120°	538.6	451.6	354.5	270.2	210.5	173.2	151.7	139.0	133.5	132.6
122.5°	514.0	433.8	346.8	269.3	212.8	176.3	154.5	141.7	135.3	134.9
125°	486.2	414.2	336.7	266.1	213.3	177.7	155.4	142.2	136.2	135.3
127.5°	457.0	394.6	323.5	259.7	210.5	176.8	154.5	141.3	134.9	134.4
130°	427.0	371.4	308.0	251.5	206.0	173.6	152.2	139.0	132.6	132.1
132.5°	396.9	346.8	291.2	240.6	199.6	168.6	148.1	135.3	129.4	128.5
135°	364.5	322.6	273.9	229.2	190.9	163.1	143.1	130.8	124.9	124.4
137.5°	334.9	297.5	256.1	216.4	182.7	155.8	137.6	126.2	121.2	120.3
140°	305.8	273.4	236.9	202.8	172.2	148.5	131.2	121.2	116.2	115.7
142.5°	278.9	251.1	220.1	189.6	162.7	141.3	125.8	116.2	112.1	111.2
145°	251.1	227.8	202.3	175.9	152.2	133.5	119.8	111.2	107.5	106.6
147.5°	226.9	206.4	184.5	162.2	142.6	125.8	113.9	106.6	103.4	103.0
150°	204.1	186.8	167.7	149.5	132.1	118.5	108.4	102.1	99.3	98.9
152.5°	183.6	168.6	153.1	137.6	123.0	112.1	103.4	98.0	95.7	95.7
155°	164.5	152.2	139.9	127.1	115.7	106.6	99.8	95.2	93.4	93.0
157.5°	148.1	138.5	128.5	118.0	109.4	101.6	96.1	93.0	91.1	91.1
160°	134.0	126.7	118.5	110.7	103.9	97.5	93.4	90.7	89.3	89.3
162.5°	122.6	116.7	110.3	104.3	98.4	94.3	91.1	89.3	88.4	88.4
165°	113.0	108.9	104.3	99.3	95.2	92.0	89.8	88.4	87.9	87.9
167.5°	106.2	102.5	98.9	95.7	93.0	90.2	88.9	87.9	87.9	87.5
170°	100.2	98.0	94.8	92.5	90.2	88.9	87.9	87.5	87.5	87.0
172.5°	95.7	93.9	92.0	90.2	88.9	87.9	87.5	87.5	87.5	87.5
175°	93.0	91.6	90.2	89.3	88.4	87.5	87.5	87.9	87.9	87.9
177.5°	90.7	90.2	89.3	88.9	88.4	88.4	88.4	88.9	89.3	89.3
180°	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

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

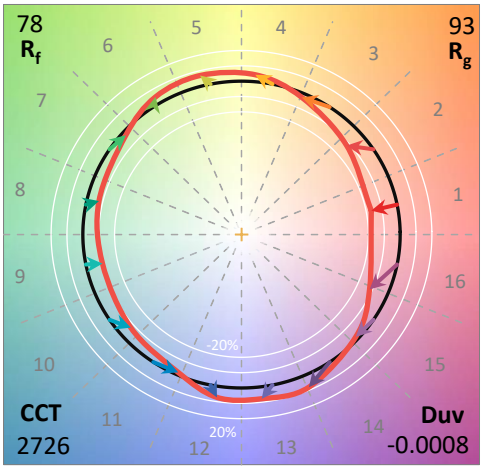
Test Information

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

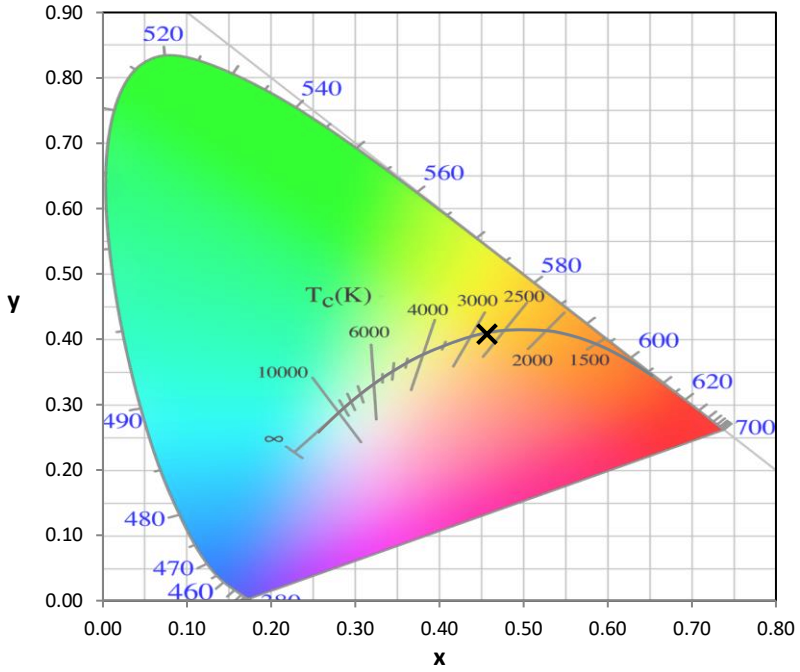
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

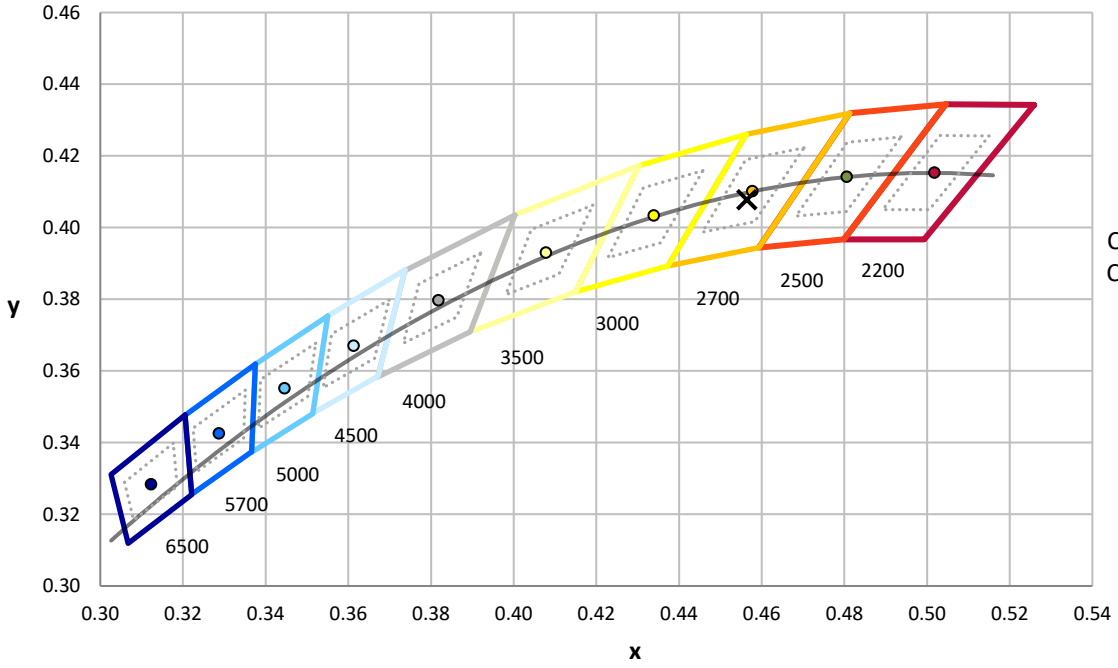
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

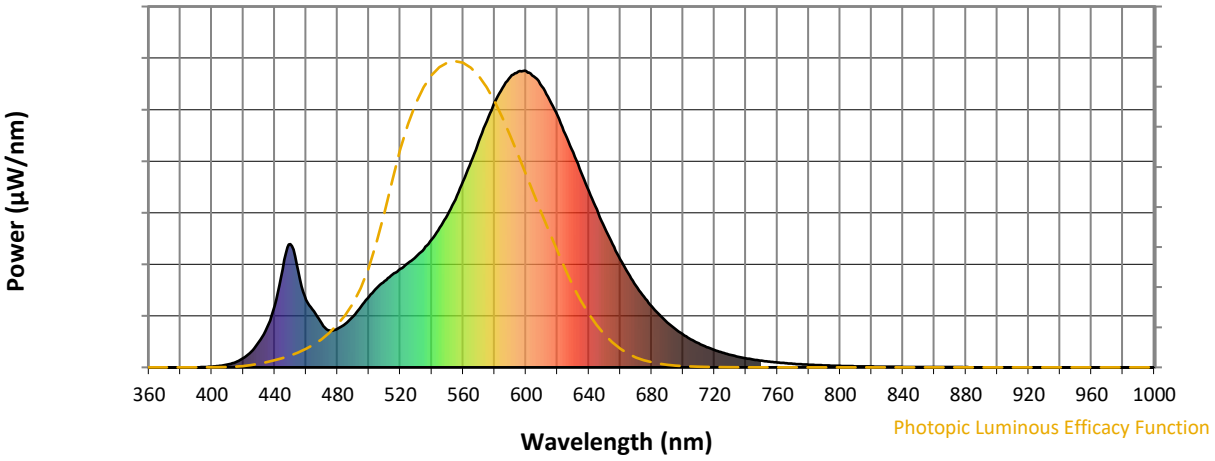


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

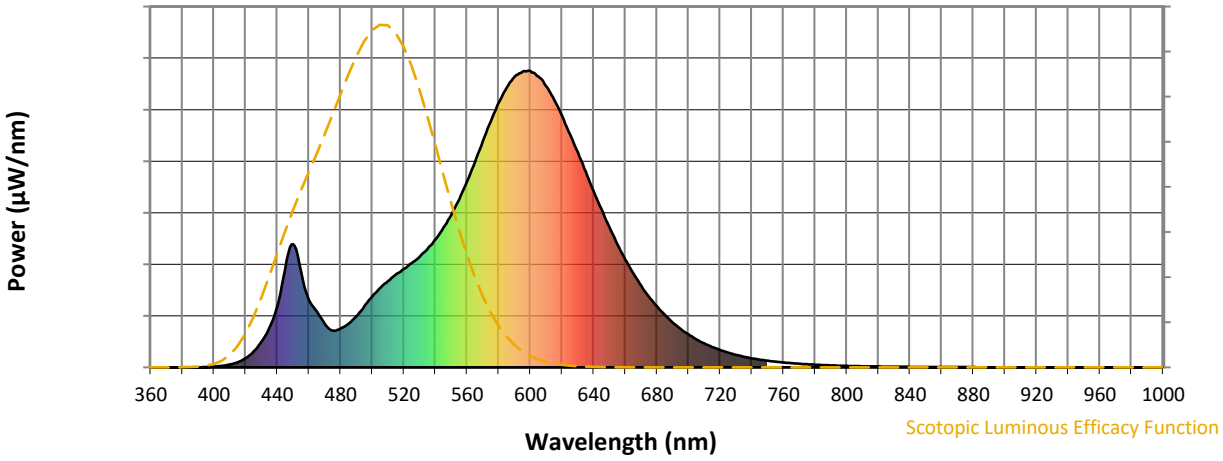


Photopic Lumens: NR

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

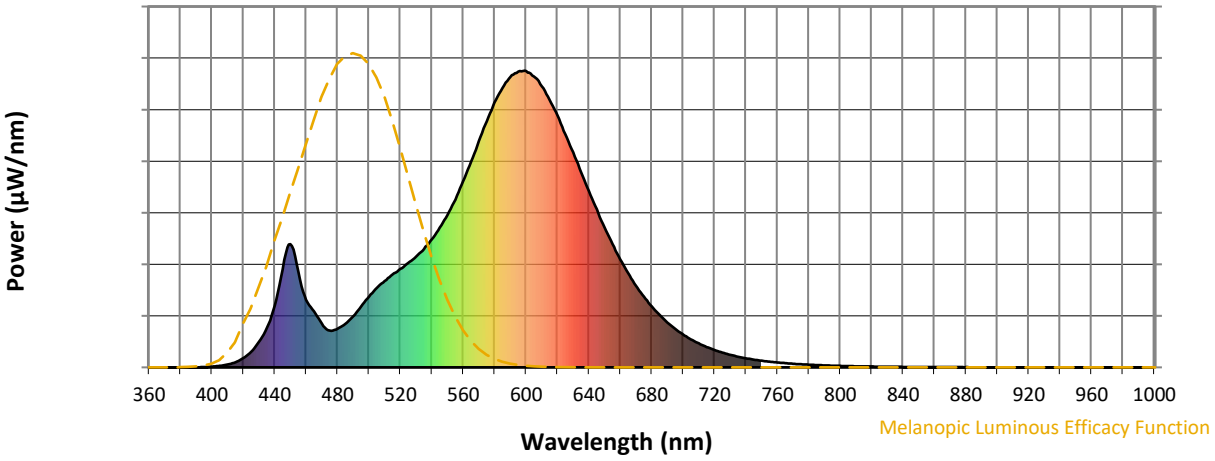


Scotopic Lumens: NR **S/P: 1.16**

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			

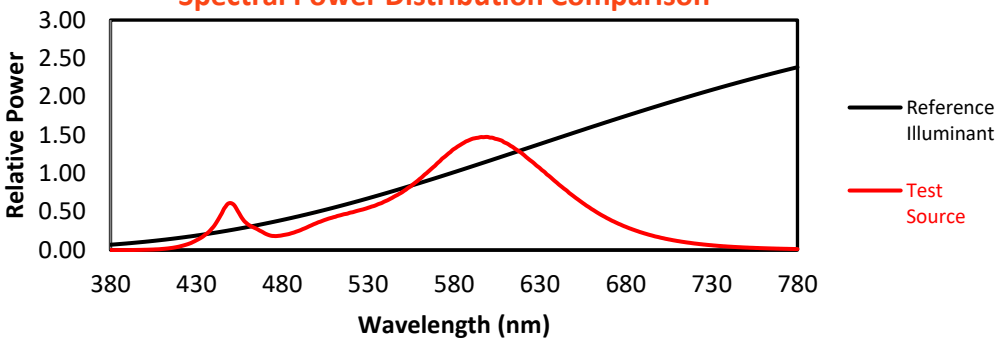
REPORT NUMBER: SP1-2501-332-3

TM-30-18

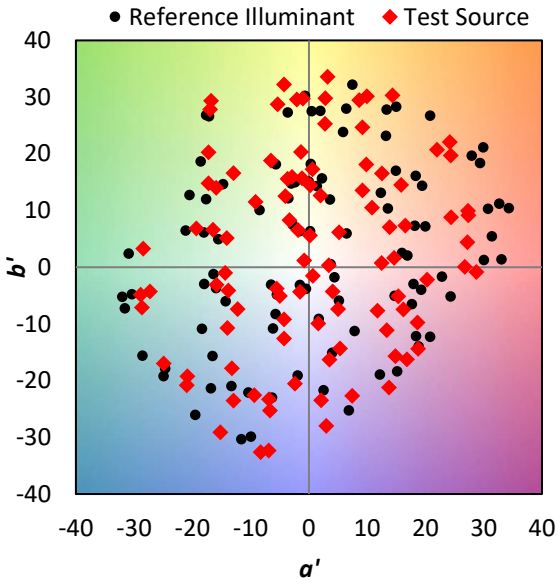
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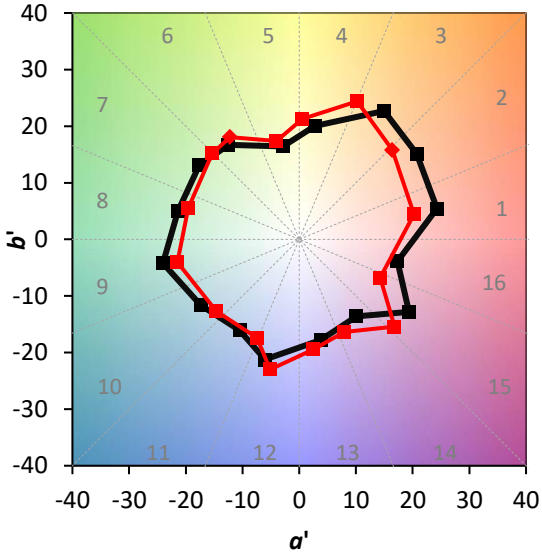
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

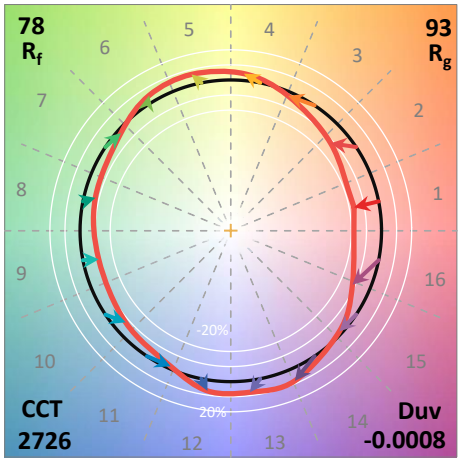
Spectral Power Distribution Comparison

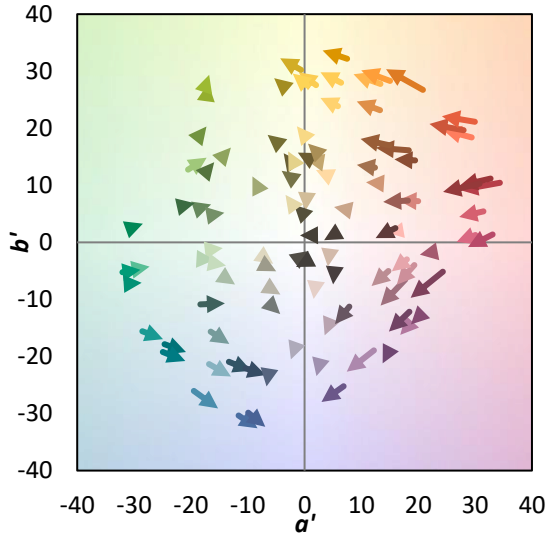


Color Vector Graphics







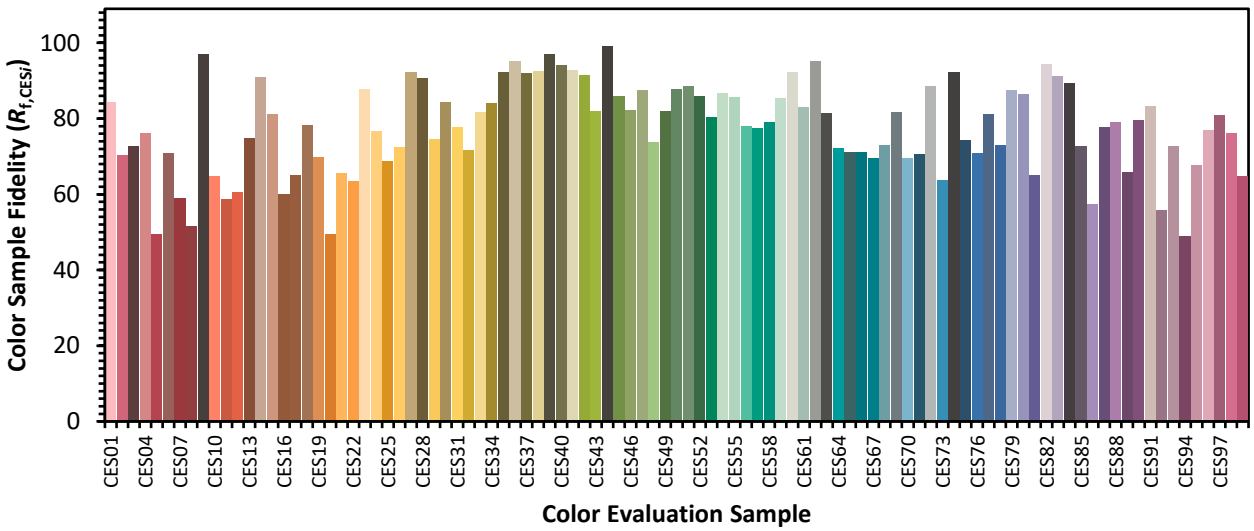


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

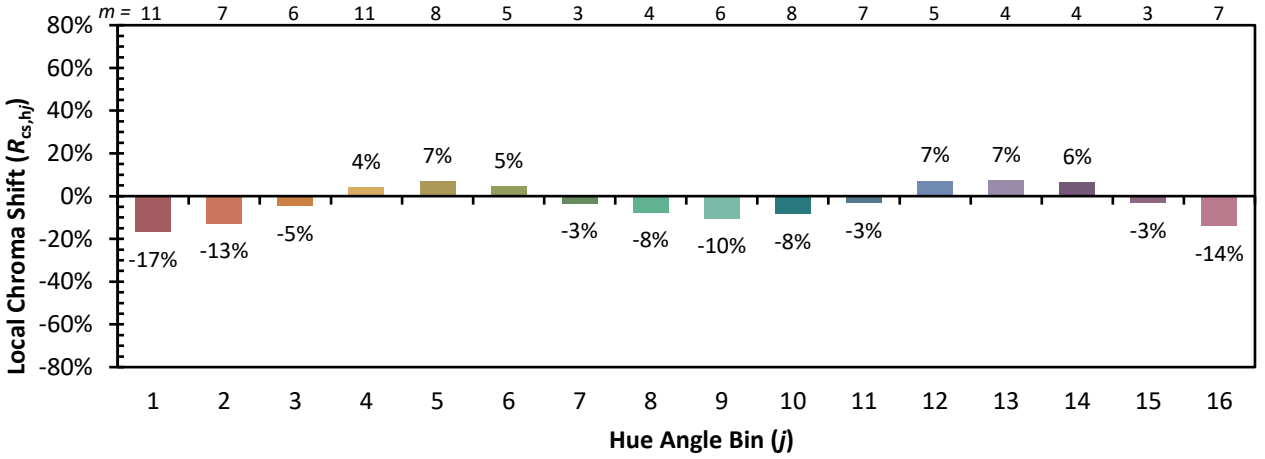
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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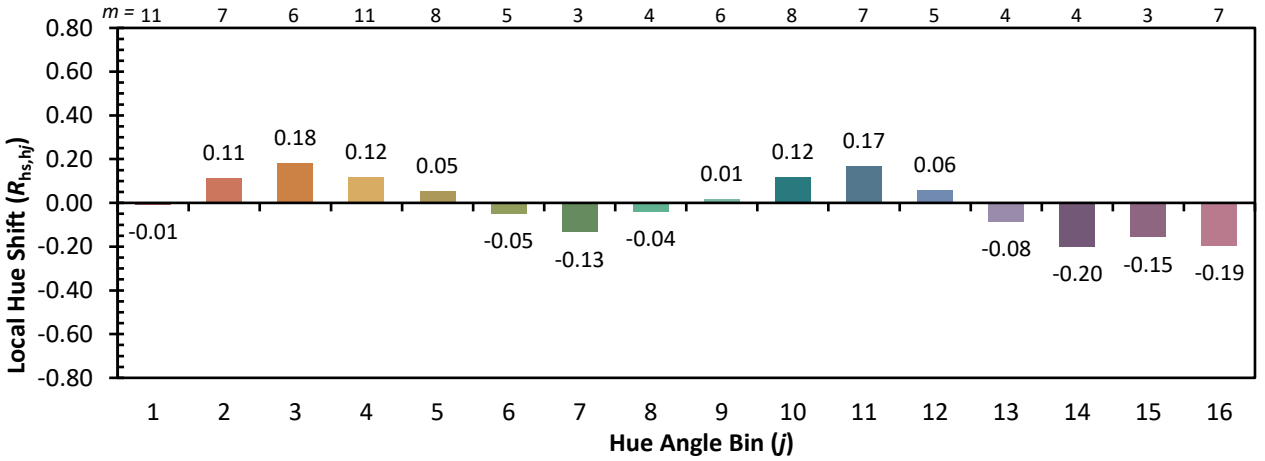


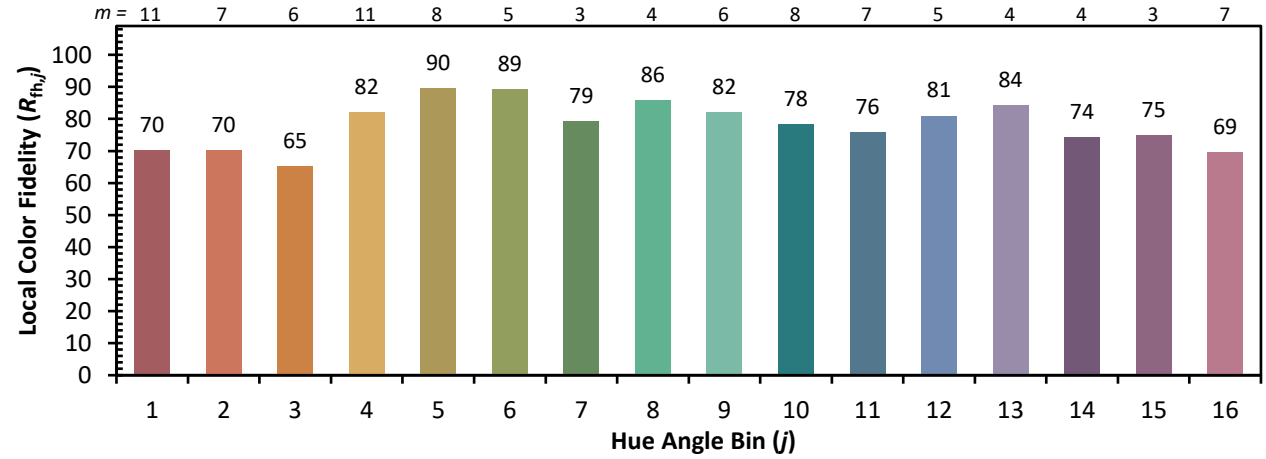
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



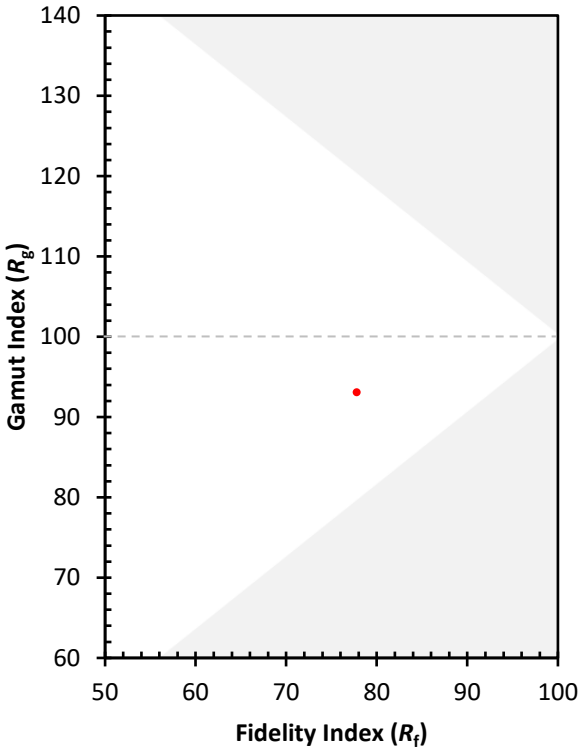


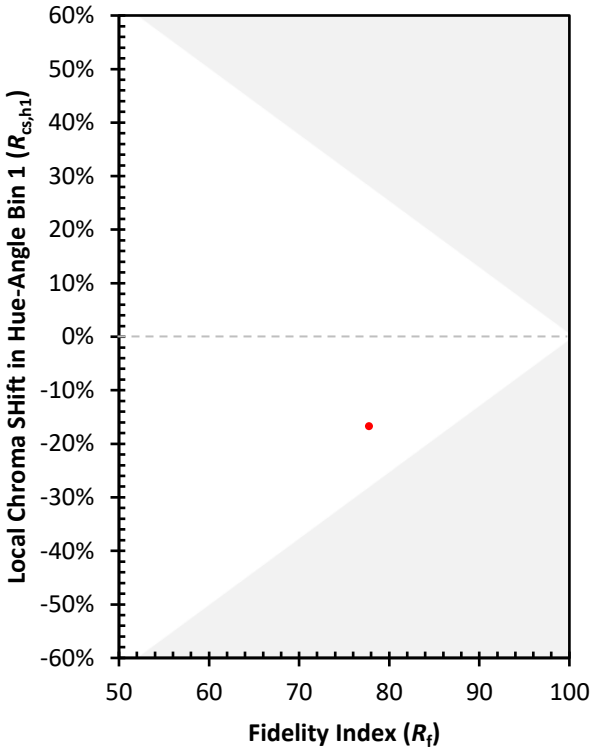


REPORT NUMBER: SP1-2501-332-3

TM-30-18

Measure Comparisons





(END OF REPORT)