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: P1045914

Luminaire Tested: **FFX-CLB-80-722-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:	P1045914
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-722-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7534.8 lumens
Efficiency:	N/A
Efficacy:	92.1 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):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

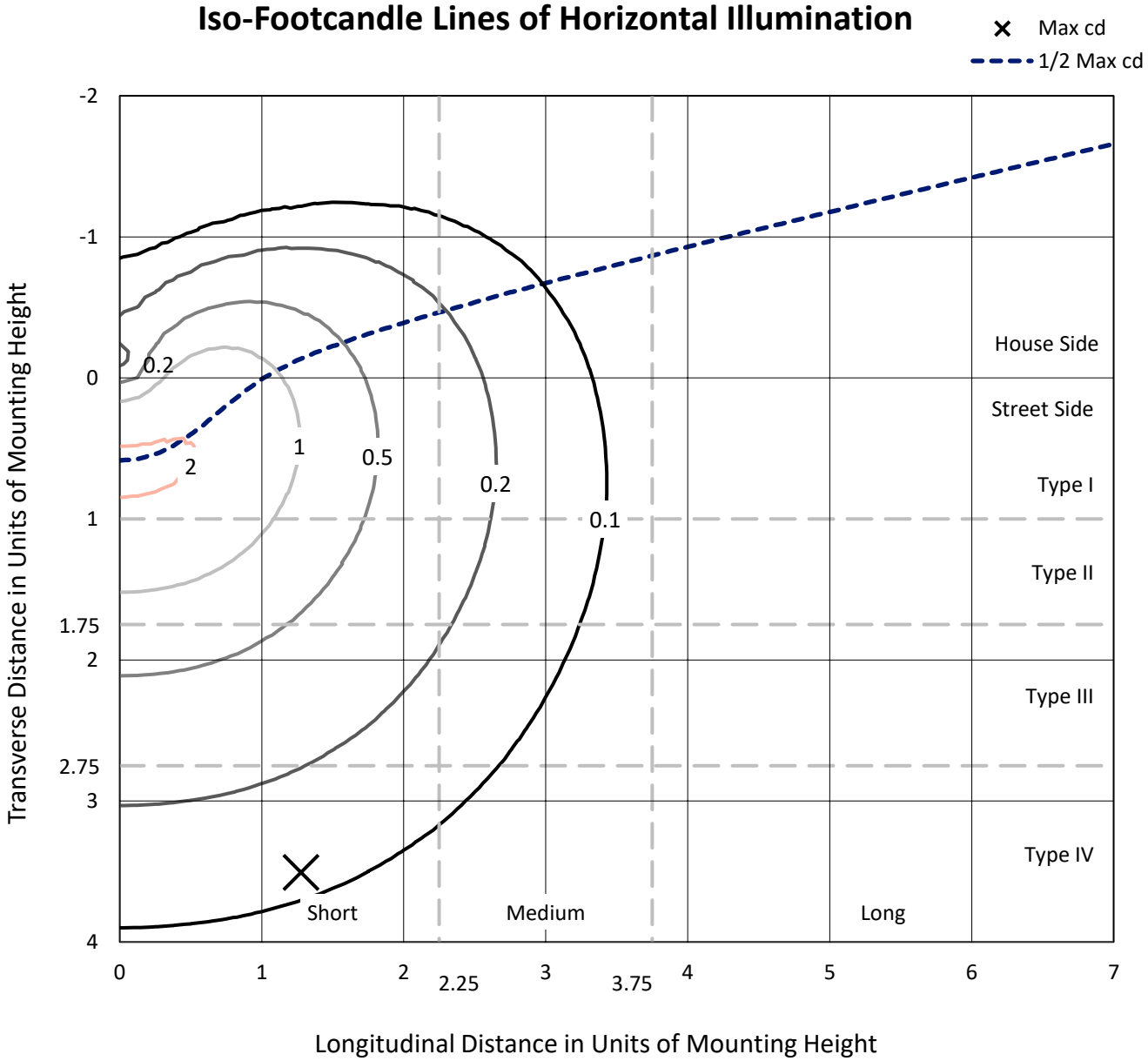


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Iso-Footcandle Lines of Horizontal Illumination



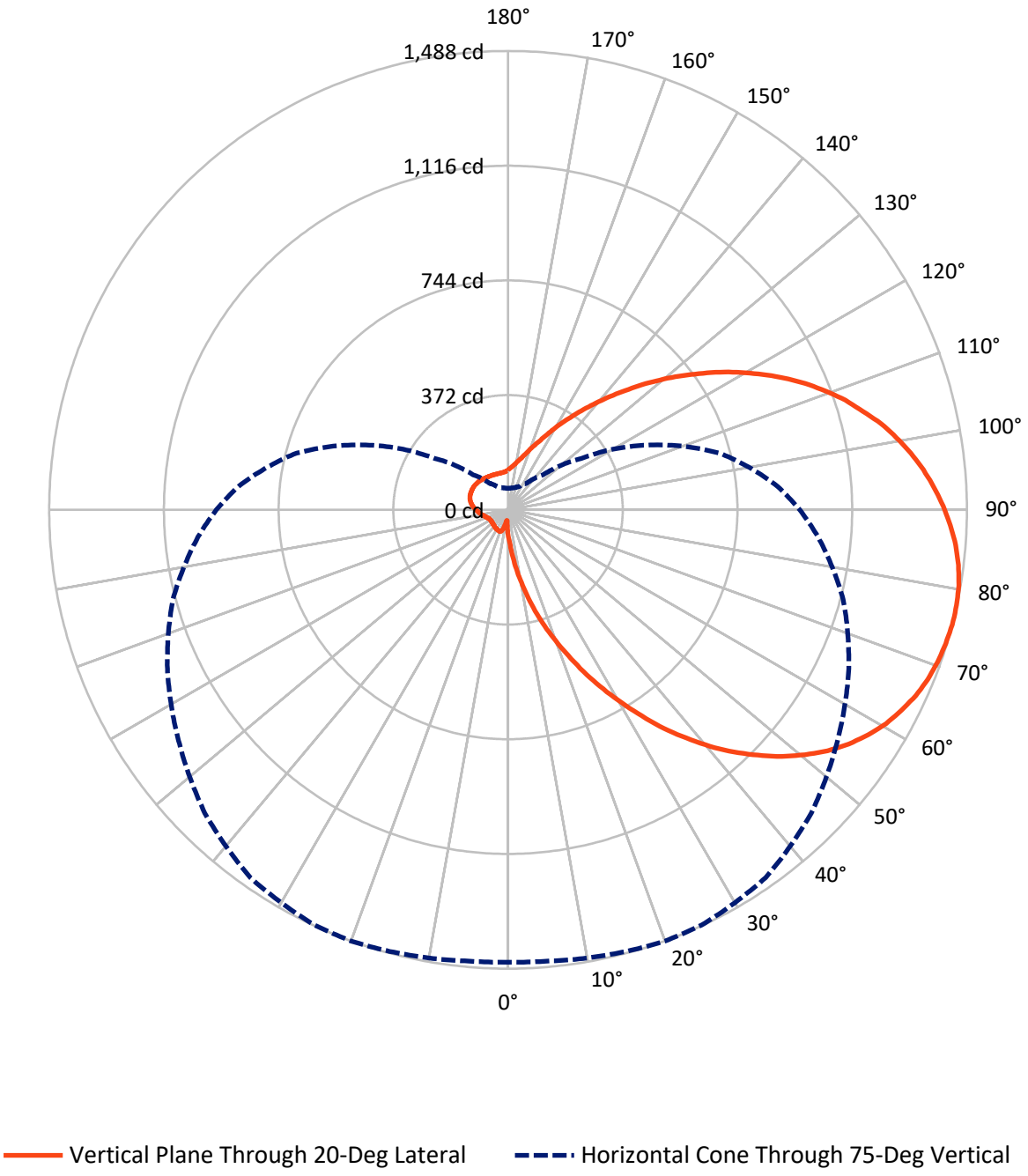
Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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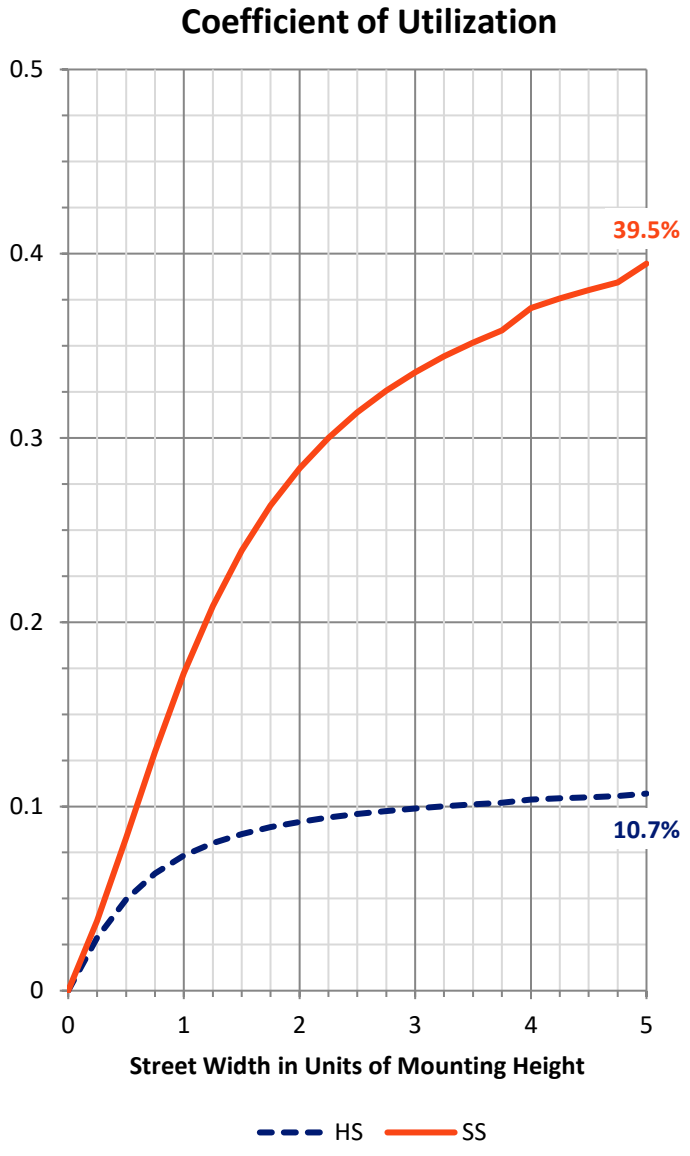
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	871.1	828.7	1699.9
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	3420.7	2414.3	5835.0
	% Fixture	45.4	32.0	77.4
Total	Lumens	4291.8	3243.1	7534.8
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.1
10°-20°	62.8	0.8
20°-30°	166.5	2.2
30°-40°	321.6	4.3
40°-50°	503.7	6.7
50°-60°	673.5	8.9
60°-70°	798.1	10.6
70°-80°	869.6	11.5
80°-90°	885.2	11.7
90°-100°	839.4	11.1
100°-110°	742.3	9.9
110°-120°	602.8	8.0
120°-130°	443.6	5.9
130°-140°	294.1	3.9
140°-150°	173.4	2.3
150°-160°	91.7	1.2
160°-170°	43.2	0.6
170°-180°	12.7	0.2
0°-90°	4291.8	57.0
0°-180°	7534.8	100.0



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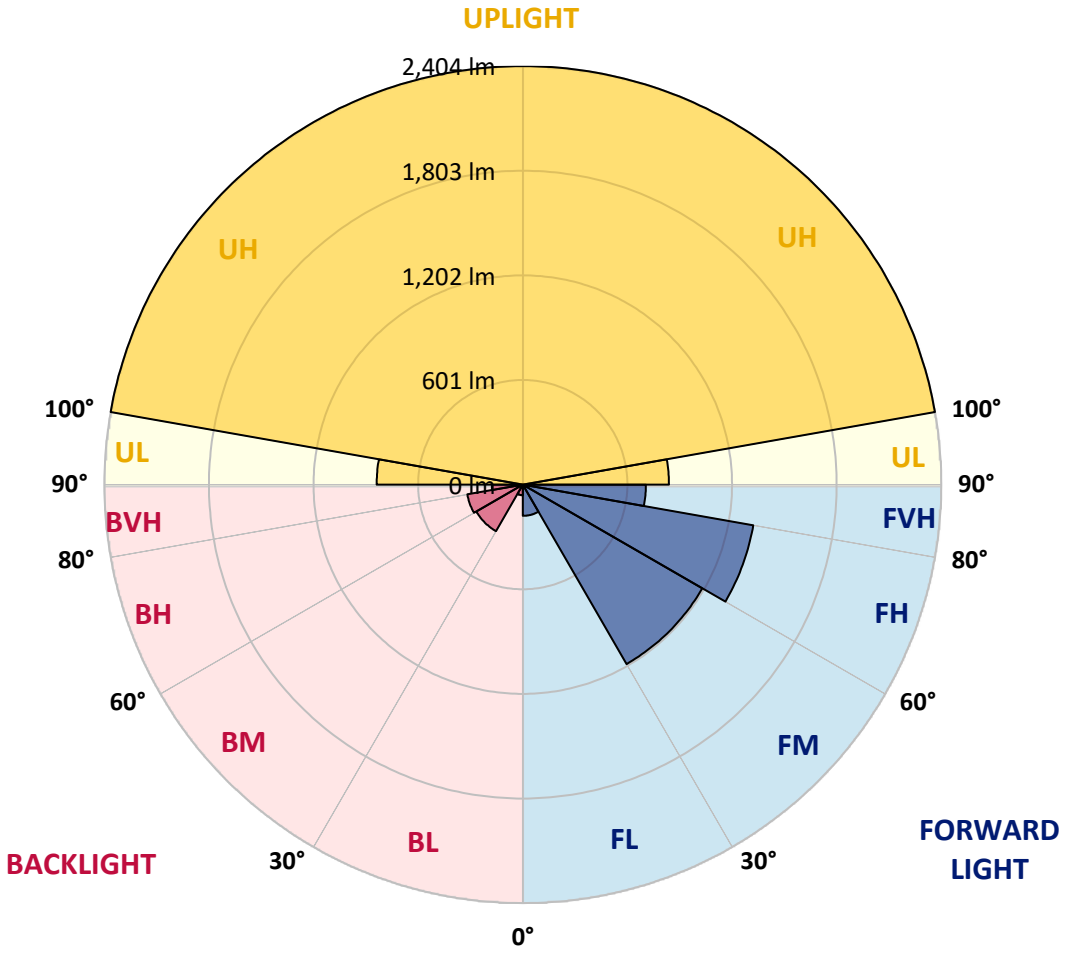
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	179.3	2.4			
FM	(30°-60°)	1190.5	15.8			
FH	(60°-80°)	1344.1	17.8			G1/1800
FVH	(80°-90°)	706.8	9.4			G4/750
BL	(0°-30°)	60.8	0.8	B0/110		
BM	(30°-60°)	308.4	4.1	B1/1000		
BH	(60°-80°)	323.5	4.3	B1/500		G1/500
BVH	(80°-90°)	178.4	2.4			G2/225
UL	(90°-100°)	839.4	11.1		U4/1000	
UH	(100°-180°)	2403.6	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°	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2.5°	105.3	105.3	106.1	106.1	106.9	105.3	102.9	101.3	99.0	93.4	88.7
5°	146.5	147.3	145.7	146.5	147.3	143.3	137.8	130.6	120.3	110.8	100.5
7.5°	196.3	198.7	194.8	194.0	191.6	185.3	177.3	166.3	155.2	142.5	127.5
10°	251.0	250.2	245.4	239.9	238.3	230.4	220.1	209.8	193.2	177.3	161.5
12.5°	302.4	301.6	297.7	293.7	291.4	281.1	268.4	256.5	239.1	218.5	198.7
15°	356.3	357.1	353.1	350.7	346.0	335.7	325.4	308.0	290.6	266.8	243.1
17.5°	410.1	411.7	407.7	406.2	402.2	393.5	380.0	361.8	339.6	311.9	281.9
20°	469.5	471.1	468.7	463.2	458.4	448.9	437.0	414.1	389.5	361.0	322.2
22.5°	532.8	533.6	526.5	524.9	520.2	511.5	494.0	473.4	445.7	409.3	368.9
25°	595.4	595.4	593.8	592.2	585.1	574.8	557.4	532.0	501.2	462.4	414.9
27.5°	662.7	663.5	659.5	657.9	652.4	638.9	620.7	593.0	561.3	514.6	460.8
30°	733.9	733.1	729.2	726.0	723.6	710.2	689.6	661.1	621.5	567.7	513.0
32.5°	805.2	802.8	800.4	797.3	796.5	779.1	762.4	727.6	686.4	629.4	563.7
35°	878.0	872.5	870.9	871.7	867.7	853.5	828.9	794.9	747.4	688.0	613.6
37.5°	941.4	946.1	942.1	939.0	939.8	923.9	897.8	859.8	809.9	744.2	664.3
40°	1011.8	1008.7	1008.7	1008.7	1006.3	992.0	964.3	922.4	865.4	795.7	708.6
42.5°	1072.8	1072.8	1076.7	1074.4	1072.0	1055.4	1025.3	978.6	918.4	843.2	751.3
45°	1135.3	1133.7	1138.5	1135.3	1133.7	1116.3	1084.7	1036.4	973.0	890.7	794.1
47.5°	1193.1	1193.9	1195.5	1195.5	1193.9	1174.1	1140.9	1083.9	1019.7	931.9	830.5
50°	1243.0	1247.0	1251.7	1248.5	1250.1	1228.8	1191.5	1133.7	1059.3	970.7	863.0
52.5°	1292.1	1292.1	1298.4	1298.4	1296.8	1276.3	1234.3	1173.3	1099.7	1005.5	893.1
55°	1334.1	1334.8	1340.4	1341.2	1340.4	1316.6	1272.3	1206.6	1129.8	1034.8	917.6
57.5°	1365.7	1368.1	1375.2	1377.6	1374.4	1353.1	1303.2	1236.7	1155.1	1057.7	939.0
60°	1394.2	1397.4	1405.3	1408.5	1406.1	1383.1	1330.9	1259.6	1175.7	1077.5	957.2
62.5°	1419.6	1420.3	1430.6	1432.2	1431.4	1406.9	1351.5	1277.0	1192.3	1092.6	973.0
65°	1437.8	1440.1	1451.2	1453.6	1452.0	1425.9	1368.1	1291.3	1205.8	1105.2	984.9
67.5°	1452.0	1453.6	1464.7	1468.6	1467.1	1439.4	1380.0	1300.0	1213.7	1114.0	994.4
70°	1459.9	1462.3	1475.0	1478.1	1476.6	1448.9	1387.1	1304.0	1218.5	1120.3	1000.7
72.5°	1464.7	1467.1	1480.5	1484.5	1483.7	1454.4	1390.3	1305.5	1220.0	1123.5	1005.5
75°	1467.1	1469.4	1482.9	1488.4	1486.1	1456.8	1391.1	1304.8	1219.3	1125.8	1009.4
76°	1467.1	1468.6	1482.9	1488.4	1486.1	1456.8	1391.1	1303.2	1218.5	1126.6	1011.0
77.5°	1465.5	1467.9	1482.1	1486.9	1485.3	1456.0	1388.7	1300.0	1216.1	1125.0	1011.8
80°	1461.5	1463.9	1477.4	1482.9	1480.5	1450.4	1383.1	1293.7	1209.8	1121.9	1011.8
82.5°	1452.8	1455.2	1467.9	1471.8	1471.0	1440.9	1372.8	1282.6	1200.3	1116.3	1010.2
85°	1439.4	1441.7	1452.0	1456.8	1454.4	1425.9	1357.8	1267.5	1188.4	1107.6	1005.5
87.5°	1421.1	1422.7	1433.8	1435.4	1434.6	1406.1	1338.8	1248.5	1172.5	1095.7	997.6
90°	1399.0	1400.6	1409.3	1411.6	1409.3	1382.3	1314.3	1228.0	1152.7	1081.5	988.1
92.5°	1376.0	1375.2	1381.6	1383.9	1381.6	1354.6	1288.9	1203.4	1132.2	1065.7	976.2
95°	1349.1	1350.7	1352.3	1353.8	1350.7	1324.6	1260.4	1176.5	1110.0	1048.2	965.1
97.5°	1319.0	1318.2	1319.8	1319.8	1316.6	1290.5	1228.0	1150.4	1084.7	1029.2	950.1
100°	1287.3	1286.5	1285.0	1281.8	1278.6	1253.3	1195.5	1117.9	1058.5	1006.3	935.0
102.5°	1252.5	1247.8	1243.0	1242.2	1235.1	1213.7	1158.3	1087.0	1030.8	984.9	916.0
105°	1209.8	1208.2	1201.0	1194.7	1190.7	1167.0	1116.3	1053.0	1001.5	958.8	895.4
107.5°	1166.2	1163.0	1152.7	1150.4	1142.5	1121.1	1075.2	1018.9	972.2	932.6	870.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	1119.5	1117.9	1106.8	*1099.7*	1093.4	1069.6	1030.0	982.5	939.8	903.4	843.2
112.5°	1067.2	1065.7	1053.8	*1048.2*	1038.7	1020.5	983.3	940.6	904.1	870.9	813.1
115°	1014.2	1013.4	999.9	*992.8*	984.1	961.9	931.9	898.6	866.1	832.9	776.7
117.5°	961.2	957.2	943.7	*935.0*	926.3	906.5	882.0	855.9	825.8	794.9	739.5
120°	901.0	900.2	885.1	*878.0*	870.1	851.9	830.5	806.0	782.2	751.3	702.3
122.5°	843.2	842.4	828.9	*820.2*	809.9	795.7	778.3	759.3	737.9	707.8	659.5
125°	784.6	783.0	768.8	*760.1*	751.3	739.5	722.8	709.4	692.0	663.5	617.5
127.5°	725.2	722.1	713.3	*704.6*	695.1	680.1	674.5	662.7	643.7	616.0	575.6
130°	669.8	668.2	656.3	*648.4*	638.9	627.0	622.3	612.8	599.3	574.0	536.0
132.5°	612.0	610.4	603.3	*595.4*	587.5	575.6	573.2	564.5	551.0	530.5	494.8
135°	560.5	559.0	551.0	*542.3*	538.4	529.7	526.5	519.4	506.7	486.1	455.2
137.5°	510.7	509.9	502.0	*494.8*	490.1	483.7	480.6	474.2	464.7	446.5	418.0
140°	465.5	461.6	455.2	*448.9*	444.2	437.8	436.2	430.7	423.6	406.2	385.6
142.5°	420.4	418.0	413.3	*407.7*	404.6	397.4	393.5	391.1	381.6	368.2	351.5
145°	376.1	376.1	372.1	*368.2*	363.4	358.6	355.5	353.1	345.2	333.3	317.5
147.5°	338.9	338.9	335.7	*334.1*	330.1	323.8	321.4	319.1	311.9	302.4	289.8
150°	307.2	305.6	303.2	*300.9*	297.7	292.1	288.2	285.8	280.3	273.1	261.3
152.5°	275.5	275.5	273.9	*270.8*	268.4	264.4	261.3	258.1	254.1	246.2	236.7
155°	248.6	248.6	246.2	*244.6*	243.1	239.9	236.7	233.6	228.8	222.5	215.3
157.5°	226.4	226.4	224.8	*224.1*	220.9	219.3	216.1	213.0	208.2	202.7	196.3
160°	205.8	206.6	205.8	*205.1*	202.7	200.3	197.1	194.0	190.0	185.3	180.5
162.5°	189.2	190.0	188.4	*187.6*	186.1	183.7	180.5	178.9	175.8	170.2	165.5
165°	175.0	175.0	174.2	*173.4*	172.6	169.4	167.8	166.3	163.1	159.1	155.2
167.5°	163.9	163.9	163.1	*163.1*	161.5	159.9	157.6	156.0	152.8	150.4	145.7
170°	154.4	154.4	153.6	*152.8*	152.0	150.4	148.8	146.5	144.9	141.7	139.3
172.5°	146.5	146.5	145.7	*144.9*	144.9	142.5	141.7	140.1	138.6	136.2	133.8
175°	140.1	139.3	139.3	*138.6*	137.8	136.2	135.4	134.6	133.0	132.2	130.6
177.5°	134.6	134.6	133.8	*133.8*	133.0	131.4	131.4	130.6	129.8	129.1	128.3
180°	127.5	127.5	127.5	*127.5*	127.5	127.5	127.5	127.5	127.5	127.5	127.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2.5°	86.3	83.9	77.6	72.0	68.1	62.5	57.8	56.2	55.4	54.6	54.6
5°	95.0	90.3	79.2	68.9	59.4	51.5	44.3	37.2	31.7	28.5	26.9
7.5°	119.5	114.0	99.0	85.5	72.0	60.2	48.3	39.6	31.7	26.9	26.9
10°	152.0	144.1	125.1	106.1	89.5	72.0	57.8	45.9	38.8	34.8	34.8
12.5°	186.1	175.8	153.6	129.1	106.1	86.3	68.9	56.2	48.3	45.1	45.1
15°	226.4	213.0	184.5	153.6	125.9	102.1	82.3	68.1	58.6	54.6	53.8
17.5°	265.2	247.8	213.8	178.9	145.7	117.2	94.2	76.0	65.7	60.2	59.4
20°	306.4	285.0	244.6	201.9	163.9	129.1	101.3	81.5	68.1	61.8	61.0
22.5°	344.4	321.4	273.1	223.3	178.1	137.8	105.3	82.3	67.3	60.2	59.4
25°	387.9	361.8	304.8	246.2	193.2	144.9	108.5	82.3	66.5	58.6	57.8
27.5°	432.3	401.4	337.3	269.2	206.6	152.8	110.8	82.3	64.9	57.0	56.2
30°	479.0	444.9	368.2	292.9	220.9	159.1	113.2	81.5	64.1	55.4	54.6
32.5°	526.5	486.9	402.2	315.9	235.1	165.5	114.8	81.5	62.5	54.6	53.0
35°	574.8	528.9	436.2	339.6	247.8	171.0	115.6	80.8	61.8	53.0	52.3
37.5°	617.5	570.0	467.9	361.0	259.7	175.0	116.4	80.0	61.0	52.3	51.5
40°	661.1	609.6	498.0	380.0	268.4	177.3	115.6	79.2	59.4	51.5	50.7
42.5°	700.7	645.3	525.7	398.2	276.3	179.7	114.8	77.6	58.6	50.7	49.9
45°	738.7	680.1	551.8	414.1	283.4	180.5	113.2	76.8	57.8	50.7	49.9
47.5°	773.5	710.2	577.2	429.1	289.8	180.5	112.4	75.2	57.8	50.7	49.9
50°	802.8	740.3	597.7	442.6	293.7	179.7	110.8	74.4	57.8	50.7	49.9
52.5°	831.3	764.8	618.3	452.9	296.1	178.1	108.5	73.6	57.8	51.5	50.7
55°	854.3	787.0	635.8	463.9	298.5	176.6	106.9	72.8	57.8	51.5	51.5
57.5°	874.1	805.2	649.2	471.1	298.5	173.4	105.3	72.8	58.6	53.0	52.3
60°	893.1	821.8	663.5	477.4	298.5	171.0	103.7	72.8	59.4	53.8	53.0
62.5°	905.7	835.3	674.5	483.0	296.9	168.6	102.1	72.8	60.2	55.4	54.6
65°	918.4	847.9	684.8	487.7	296.1	166.3	102.1	73.6	61.8	57.8	57.0
67.5°	927.9	858.2	692.0	490.9	294.5	163.9	101.3	75.2	64.1	60.2	59.4
70°	935.8	866.1	700.7	493.2	292.9	162.3	102.1	77.6	66.5	62.5	62.5
72.5°	942.1	873.3	705.4	495.6	291.4	161.5	103.7	80.0	70.5	66.5	65.7
75°	*946.1*	*877.2*	*710.2*	*496.4*	*289.8*	*160.7*	*105.3*	*83.1*	*73.6*	*70.5*	*69.7*
76°	946.9	878.8	711.8	497.2	289.0	160.7	106.1	83.9	75.2	72.0	71.3
77.5°	949.3	881.2	713.3	497.2	288.2	160.7	107.7	86.3	77.6	74.4	74.4
80°	950.9	882.8	715.7	498.0	286.6	160.7	110.0	90.3	82.3	79.2	78.4
82.5°	950.1	883.6	716.5	496.4	285.8	161.5	113.2	94.2	87.1	83.9	83.1
85°	946.9	881.2	714.9	494.0	283.4	163.1	116.4	99.0	91.0	87.9	87.9
87.5°	941.4	875.6	711.0	490.9	281.9	163.9	119.5	102.9	95.8	92.6	92.6
90°	933.4	869.3	706.2	487.7	279.5	164.7	123.5	106.9	100.5	98.2	97.4
92.5°	923.9	861.4	699.9	483.0	277.9	166.3	126.7	111.6	105.3	102.1	102.1
95°	914.4	852.7	692.8	477.4	276.3	168.6	129.8	115.6	109.3	106.9	106.9
97.5°	901.0	840.8	683.3	471.1	273.9	169.4	133.8	119.5	114.0	110.8	110.8
100°	884.4	827.3	672.2	464.7	272.4	171.8	137.0	123.5	118.0	115.6	114.8
102.5°	867.7	811.5	660.3	457.6	270.0	172.6	140.1	127.5	121.1	118.8	118.8
105°	848.7	794.1	645.3	448.1	267.6	174.2	142.5	129.8	124.3	121.9	121.1
107.5°	826.6	771.9	630.2	439.4	265.2	175.8	144.9	132.2	126.7	124.3	123.5

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

Scaled Data Report

REPORT NUMBER: P1045914
CATALOG NUMBER: FFX-CLB-80-722-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	801.2	751.3	612.0	429.9	263.6	178.1	147.3	133.8	128.3	125.1	125.1
112.5°	771.9	722.1	592.2	418.8	263.6	181.3	148.8	135.4	129.1	125.9	125.9
115°	737.1	691.2	568.5	408.5	262.9	184.5	152.0	136.2	129.1	126.7	125.9
117.5°	703.0	658.7	544.7	398.2	265.2	190.0	155.2	137.8	129.1	125.9	125.9
120°	665.0	624.7	520.2	387.9	268.4	195.6	159.1	138.6	129.1	125.1	125.1
122.5°	625.5	588.2	496.4	378.4	270.8	201.9	162.3	140.1	128.3	124.3	123.5
125°	588.2	551.0	469.5	368.9	273.1	207.4	166.3	140.9	127.5	122.7	121.9
127.5°	547.1	518.6	445.7	358.6	274.7	212.2	169.4	141.7	126.7	121.1	120.3
130°	511.5	483.7	422.0	347.6	273.1	213.8	170.2	140.9	125.1	119.5	119.5
132.5°	471.9	449.7	395.9	333.3	269.2	213.8	171.0	140.9	124.3	118.8	118.0
135°	437.0	416.4	371.3	317.5	262.1	210.6	169.4	140.1	123.5	118.0	117.2
137.5°	404.6	384.8	345.2	300.9	251.8	205.1	166.3	138.6	122.7	117.2	116.4
140°	369.7	355.5	321.4	282.6	240.7	198.7	162.3	137.0	122.7	117.2	116.4
142.5°	338.1	326.2	295.3	262.9	226.4	189.2	157.6	134.6	121.9	117.2	116.4
145°	309.6	296.1	272.4	243.1	212.2	180.5	152.8	133.0	121.1	117.2	116.4
147.5°	281.9	270.0	250.2	224.8	199.5	171.8	148.1	130.6	121.1	117.2	116.4
150°	254.1	246.2	228.8	208.2	185.3	163.1	143.3	129.1	121.1	118.0	117.2
152.5°	230.4	224.8	209.8	193.2	173.4	154.4	138.6	127.5	121.1	118.0	118.0
155°	210.6	205.1	192.4	177.3	163.1	147.3	135.4	125.9	121.1	118.8	118.0
157.5°	190.8	186.8	176.6	165.5	153.6	141.7	132.2	125.1	121.1	118.8	118.8
160°	175.8	171.8	163.9	155.2	145.7	137.0	129.1	123.5	121.1	119.5	119.5
162.5°	163.1	159.9	153.6	146.5	139.3	132.2	126.7	122.7	121.1	119.5	119.5
165°	152.8	150.4	144.9	139.3	134.6	129.1	125.1	122.7	121.1	120.3	120.3
167.5°	144.1	142.5	138.6	134.6	130.6	126.7	123.5	121.9	121.1	121.1	121.1
170°	137.8	136.2	133.8	130.6	127.5	125.1	122.7	121.9	121.9	121.1	121.9
172.5°	133.0	132.2	129.8	127.5	125.9	123.5	122.7	121.9	122.7	122.7	122.7
175°	129.8	129.1	127.5	125.9	125.1	123.5	123.5	122.7	123.5	124.3	124.3
177.5°	127.5	126.7	125.9	125.9	125.1	124.3	124.3	125.1	125.9	125.9	125.9
180°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

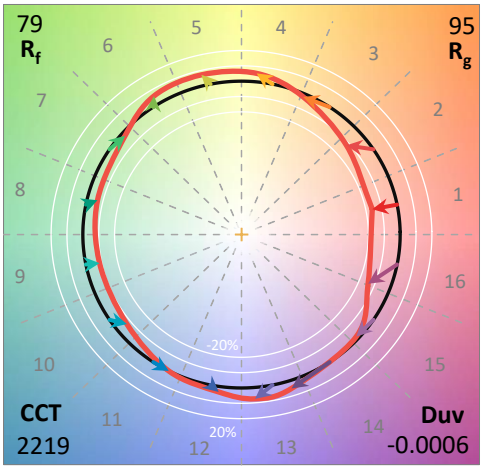
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

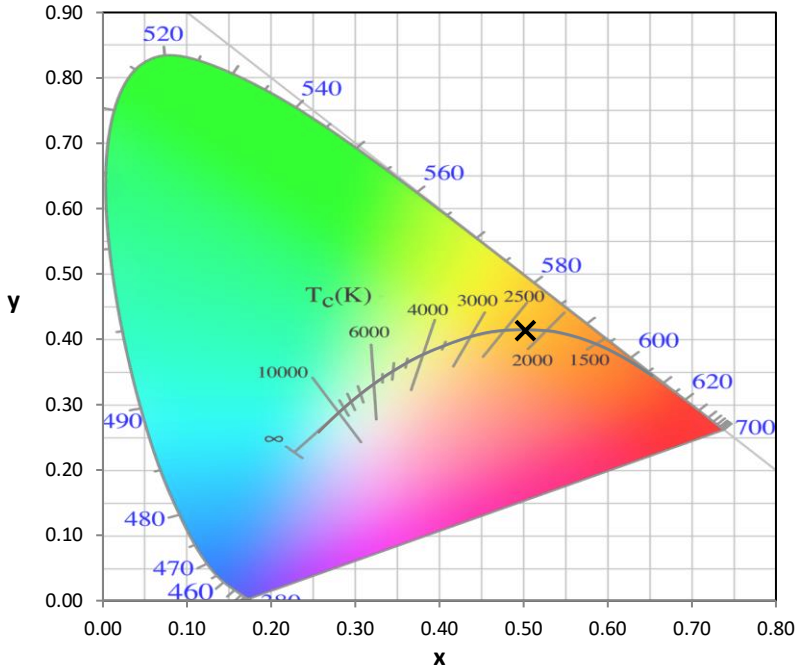
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

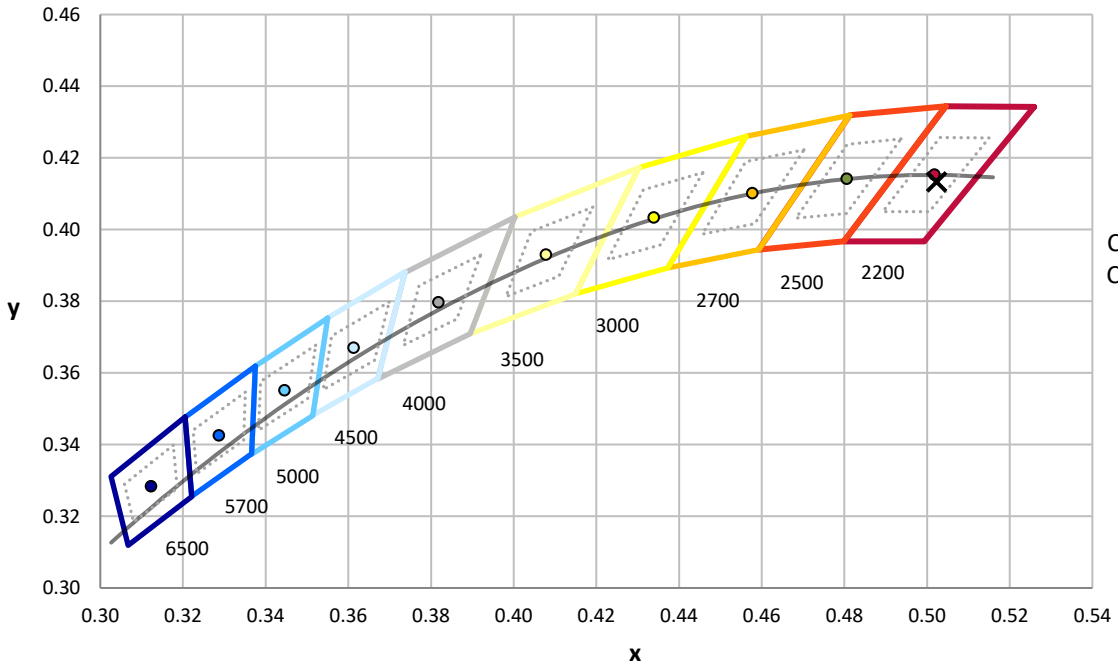
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

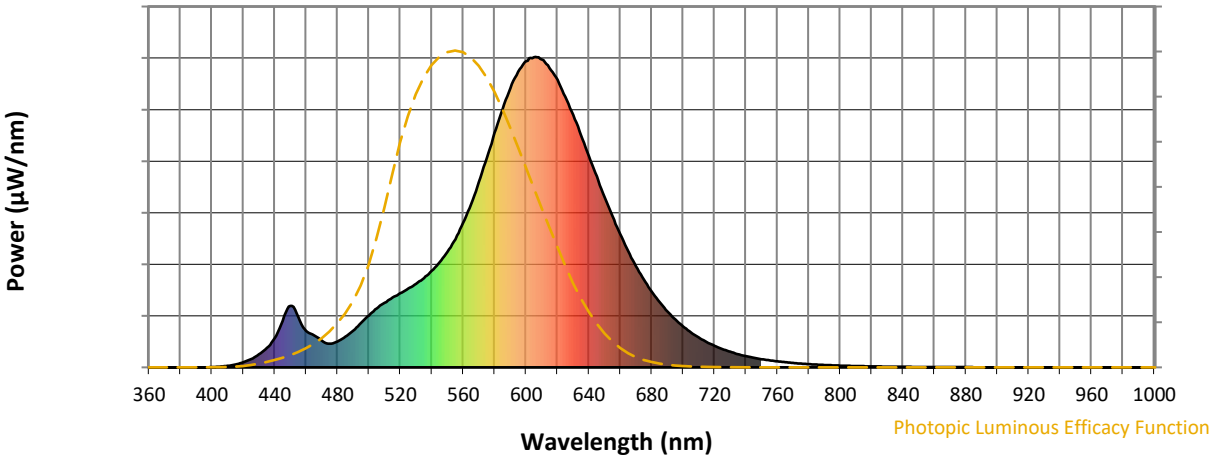


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

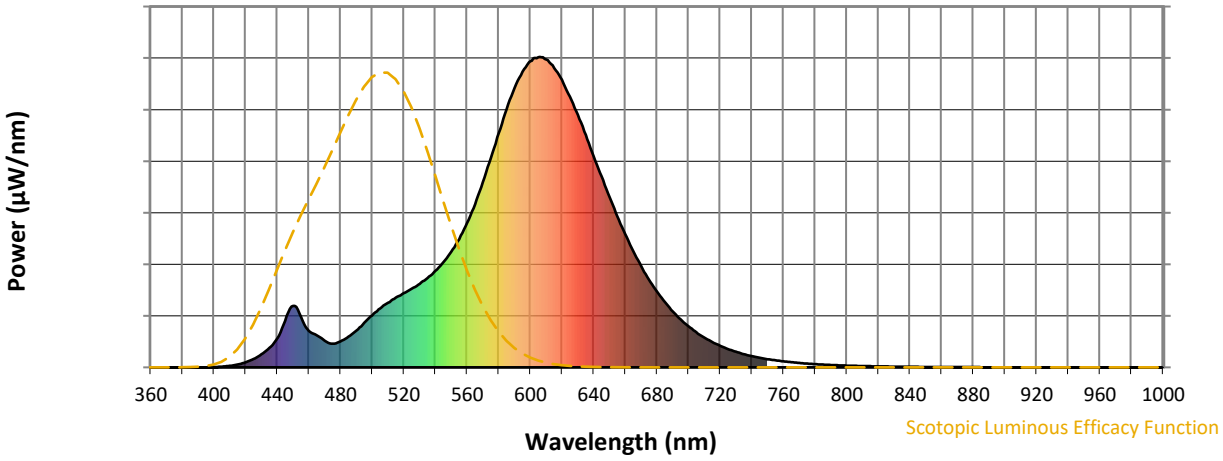


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

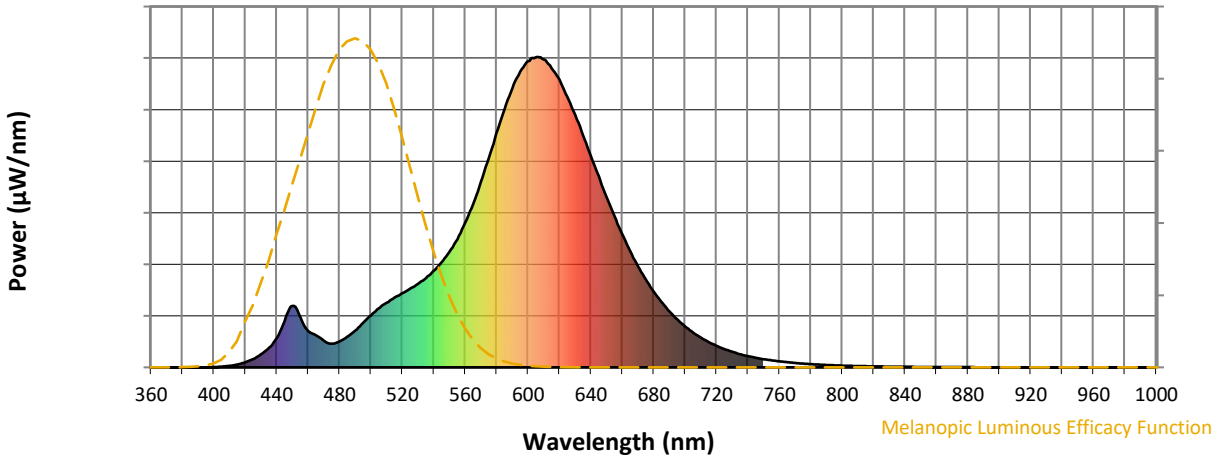


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

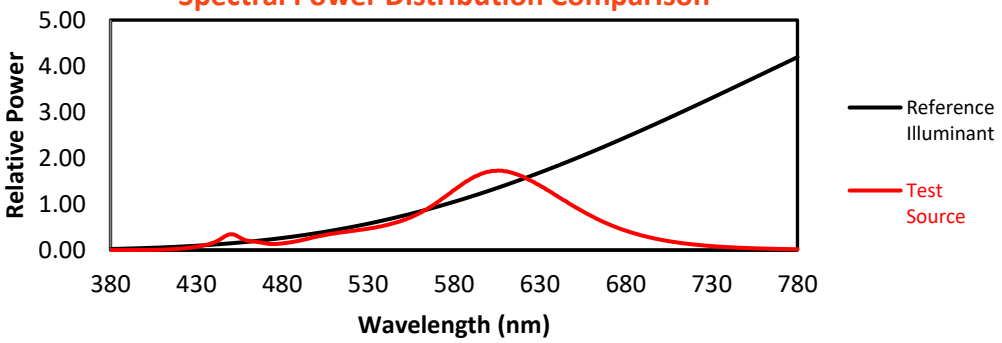
REPORT NUMBER: SP1-2501-332-2

TM-30-18

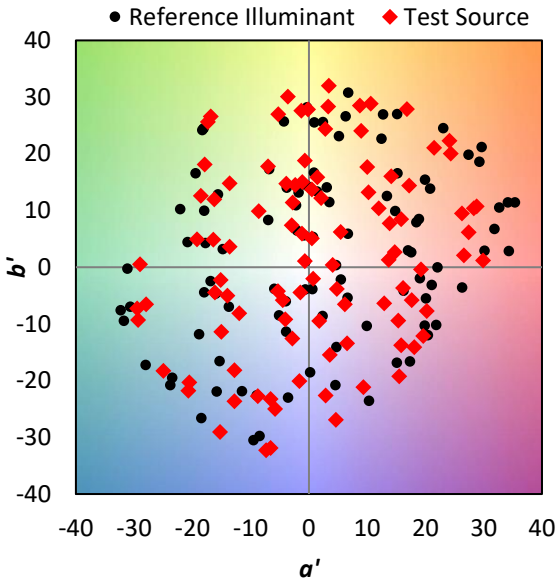
Summary

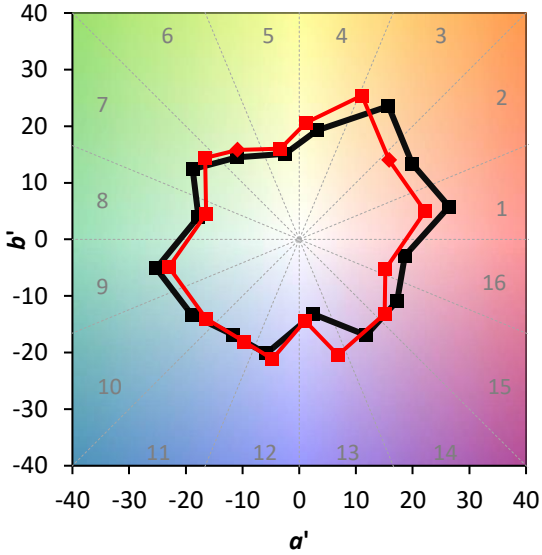
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

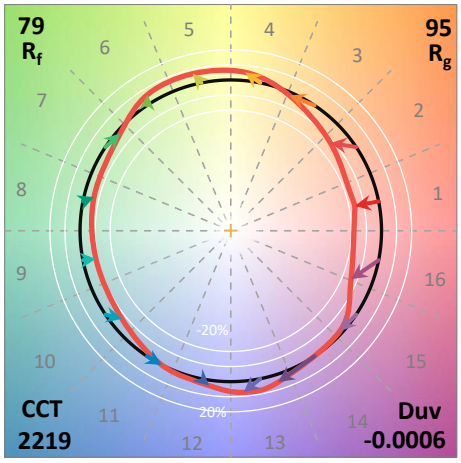
Spectral Power Distribution Comparison

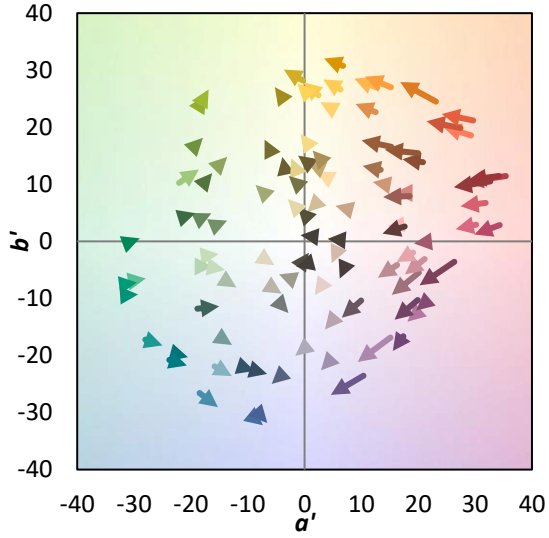


Color Vector Graphics







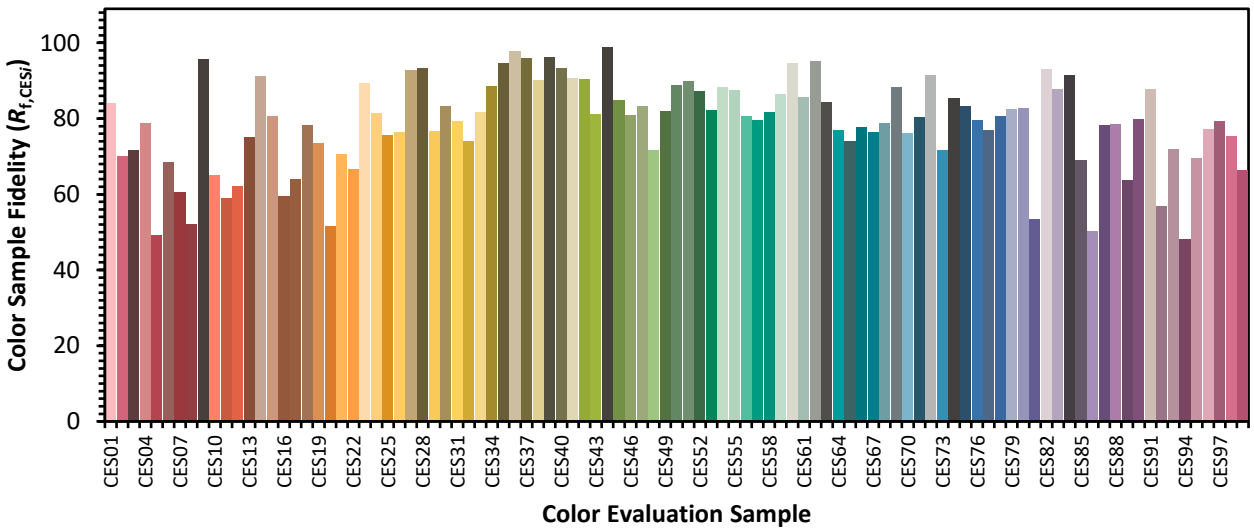


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

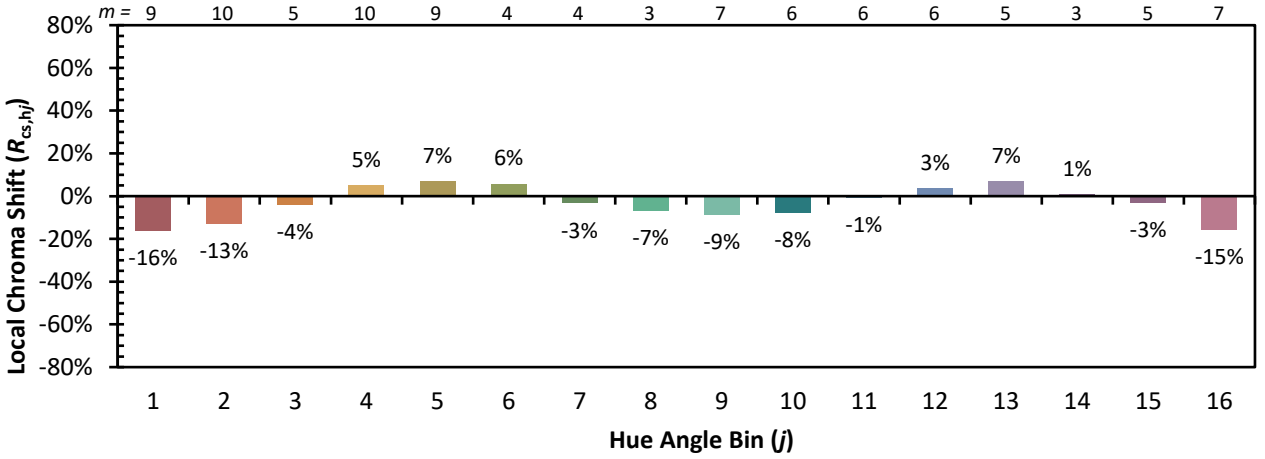
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 80
CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

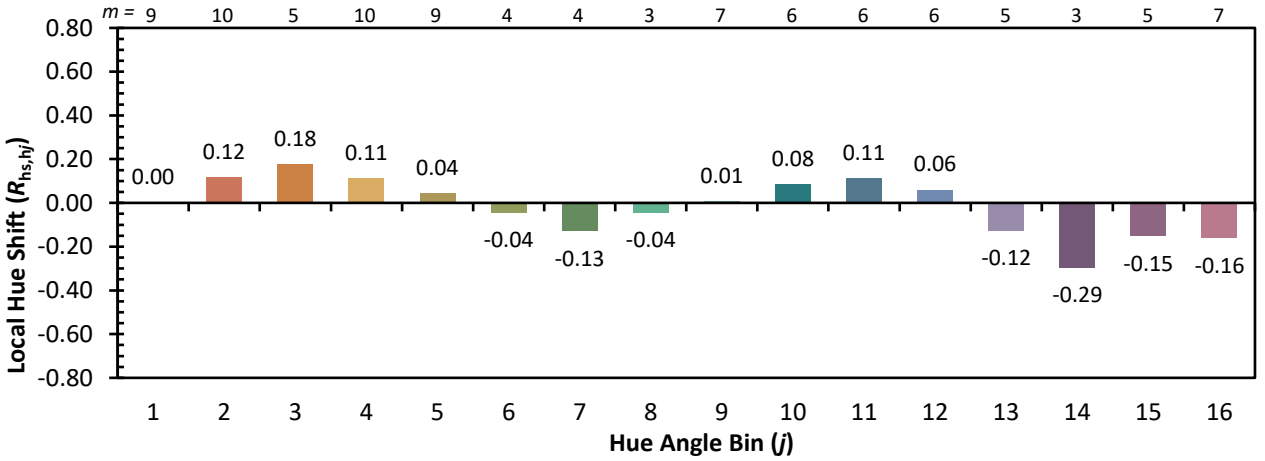


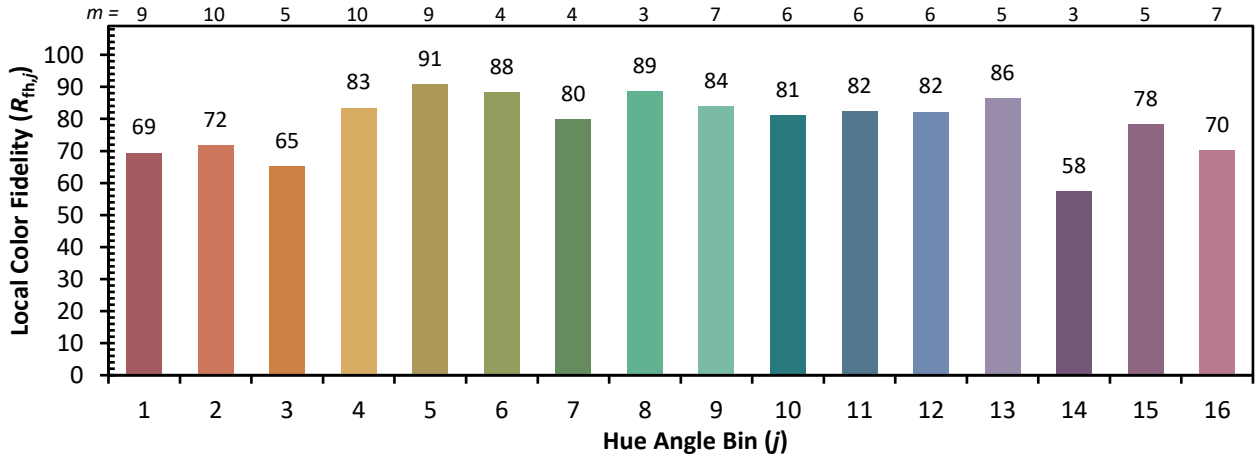
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



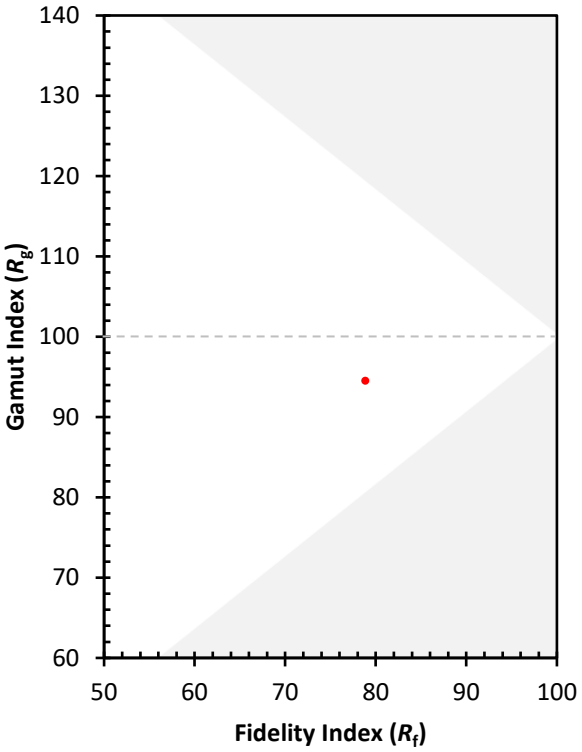


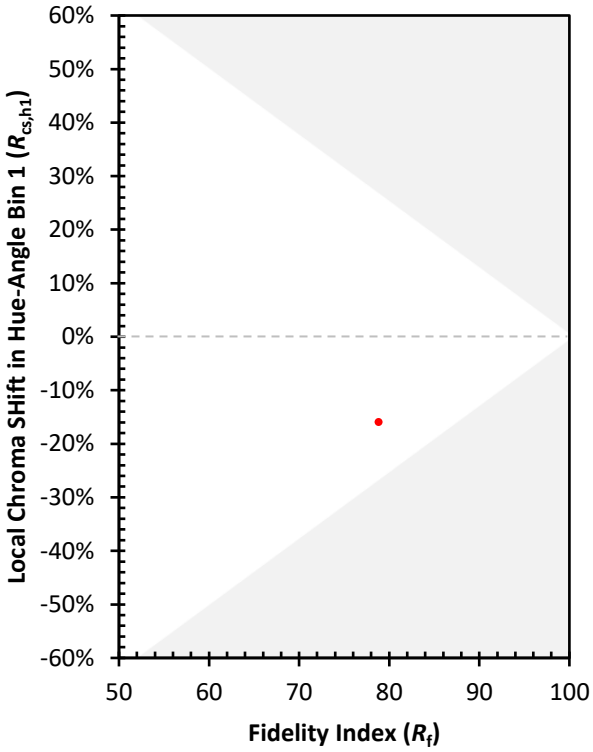


REPORT NUMBER: SP1-2501-332-2

TM-30-18

Measure Comparisons





(END OF REPORT)