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: P1045942

Luminaire Tested: **FFX-CLB-70-740-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:	P1045942
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-740-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8282 lumens
Efficiency:	N/A
Efficacy:	116.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G5

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

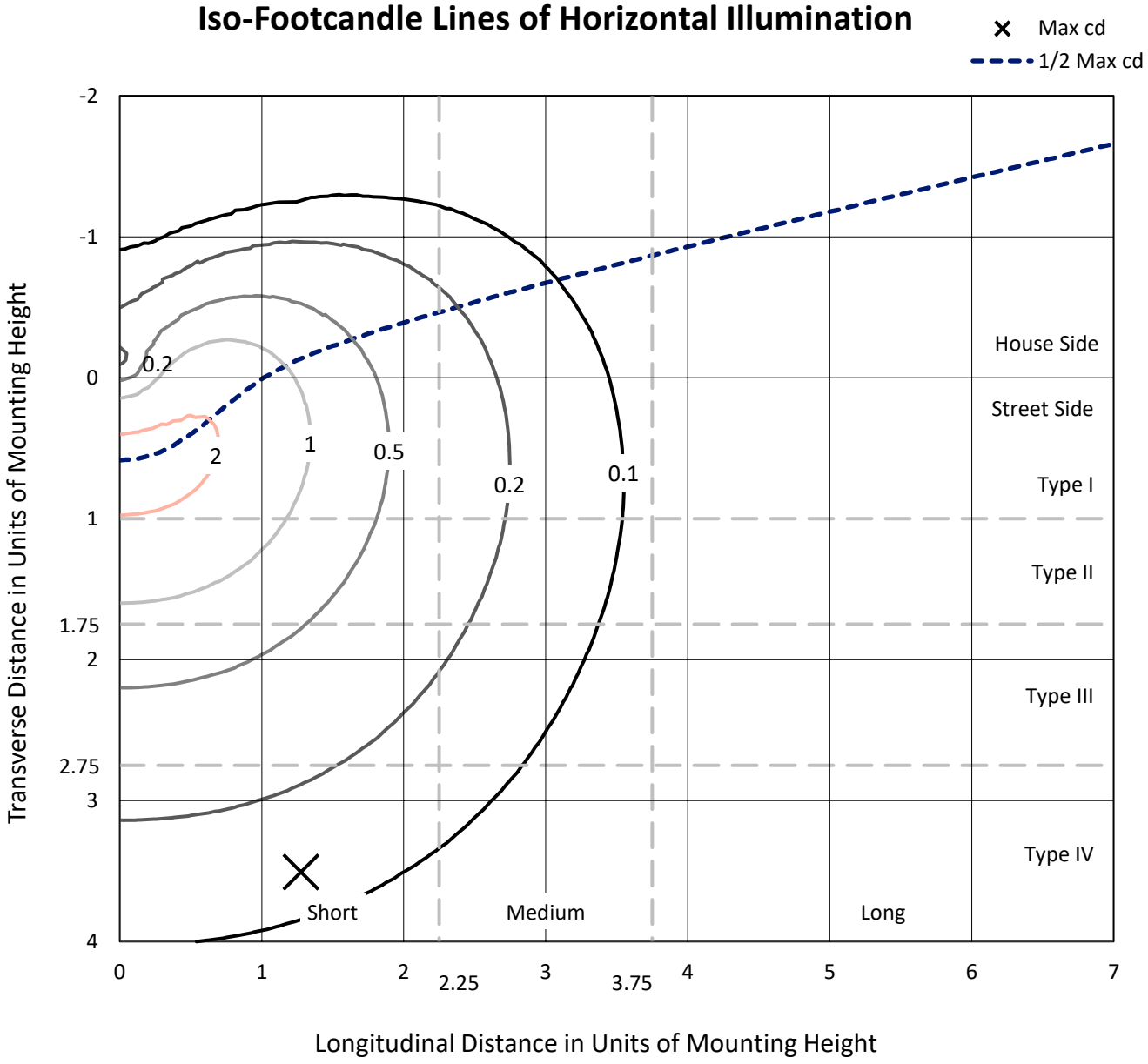


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Iso-Footcandle Lines of Horizontal Illumination



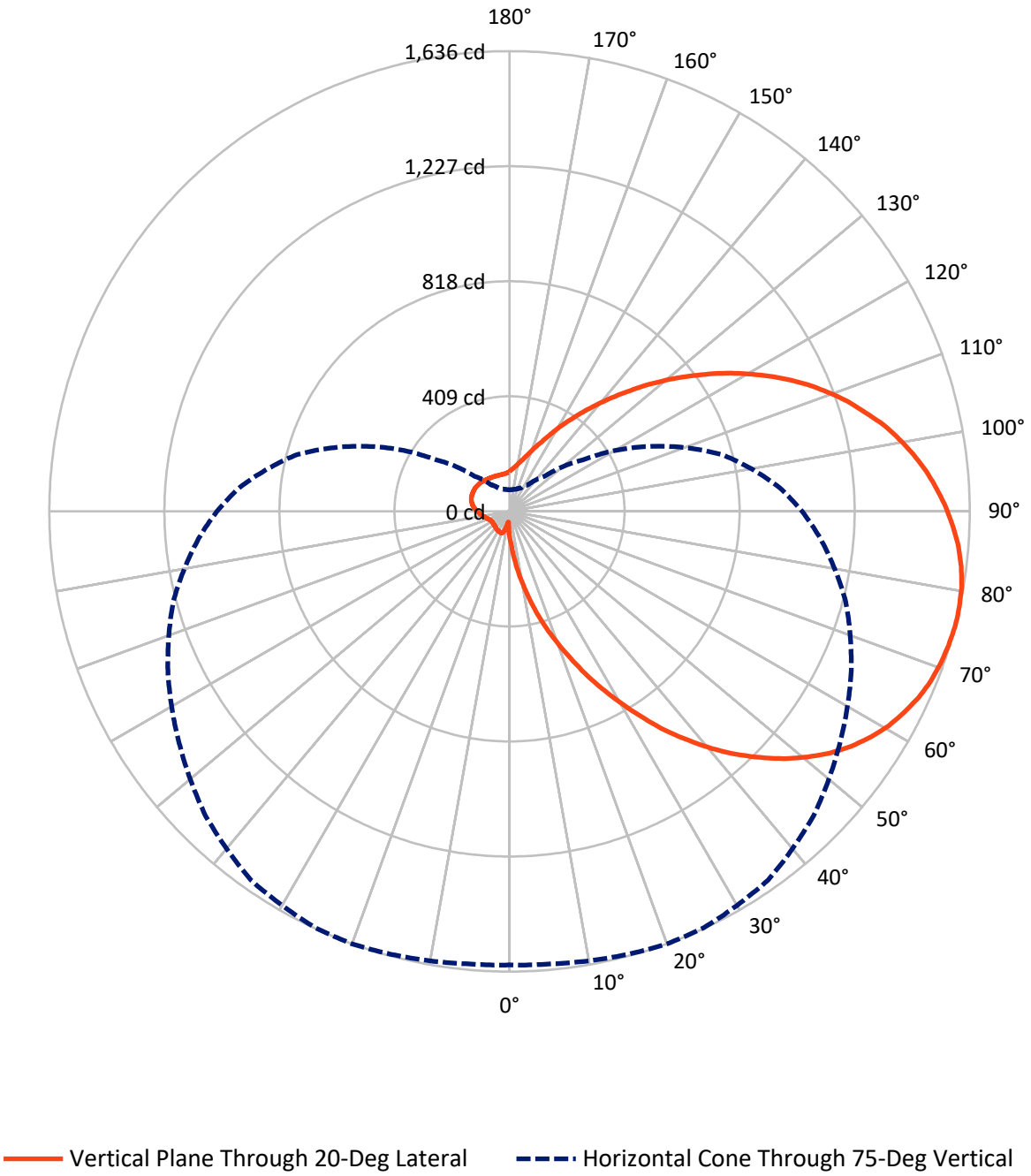
Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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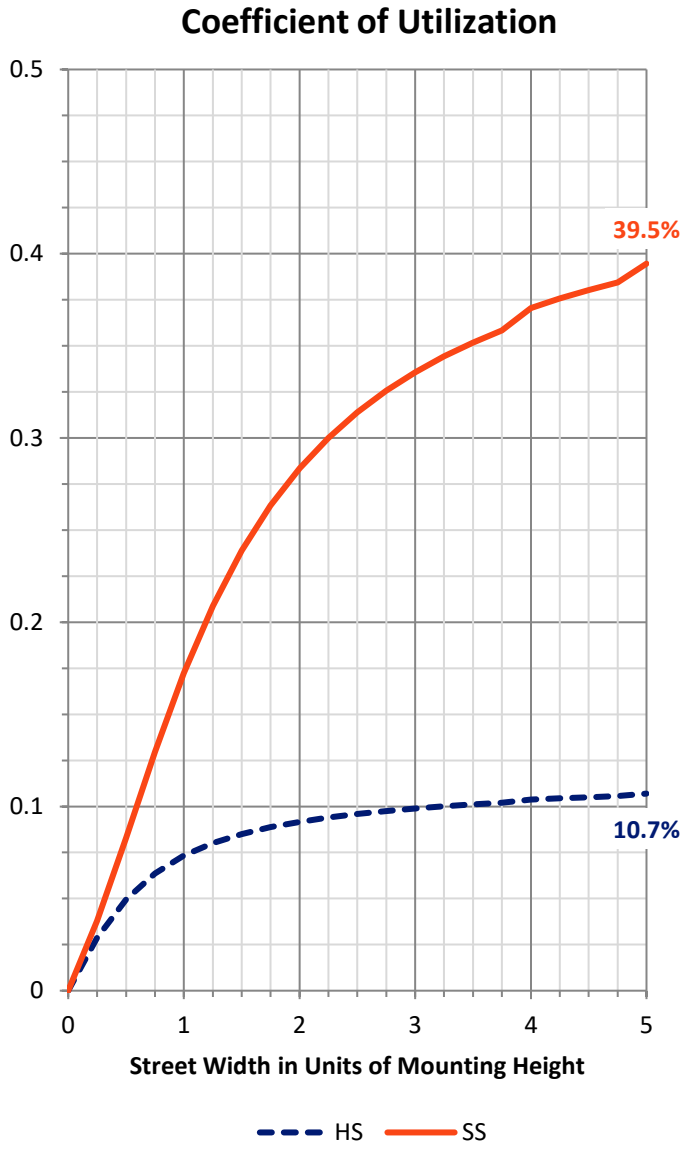
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	957.5	910.9	1868.4
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	3759.8	2653.7	6413.6
	% Fixture	45.4	32.0	77.4
Total	Lumens	4717.3	3564.6	8282.0
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.1
10°-20°	69.1	0.8
20°-30°	183.0	2.2
30°-40°	353.5	4.3
40°-50°	553.7	6.7
50°-60°	740.3	8.9
60°-70°	877.3	10.6
70°-80°	955.8	11.5
80°-90°	973.0	11.7
90°-100°	922.7	11.1
100°-110°	815.9	9.9
110°-120°	662.5	8.0
120°-130°	487.6	5.9
130°-140°	323.3	3.9
140°-150°	190.5	2.3
150°-160°	100.8	1.2
160°-170°	47.5	0.6
170°-180°	13.9	0.2
0°-90°	4717.3	57.0
0°-180°	8282.0	100.0



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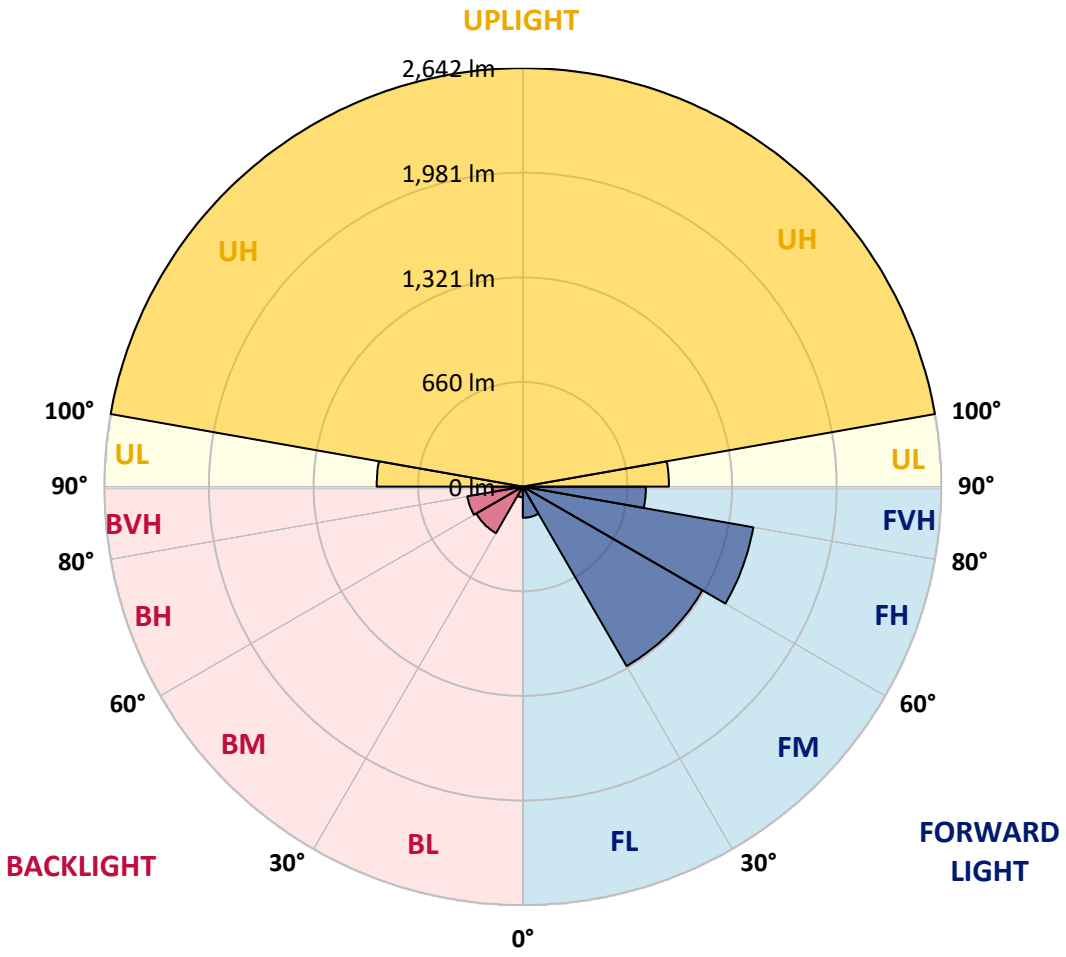
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	197.1	2.4			
FM	(30°-60°)	1308.5	15.8			
FH	(60°-80°)	1477.4	17.8			G1/1800
FVH	(80°-90°)	776.9	9.4			G5
BL	(0°-30°)	66.8	0.8	B0/110		
BM	(30°-60°)	338.9	4.1	B1/1000		
BH	(60°-80°)	355.6	4.3	B1/500		G1/500
BVH	(80°-90°)	196.1	2.4			G2/225
UL	(90°-100°)	922.7	11.1		U4/1000	
UH	(100°-180°)	2642.0	31.9		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	94.9	94.9	94.9	*94.9*	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2.5°	115.7	115.7	116.6	*116.6*	117.5	115.7	113.1	111.4	108.8	102.7	97.5
5°	161.0	161.9	160.1	*161.0*	161.9	157.5	151.4	143.6	132.3	121.8	110.5
7.5°	215.8	218.4	214.1	*213.2*	210.6	203.6	194.9	182.7	170.6	156.6	140.1
10°	275.9	275.0	269.8	*263.7*	261.9	253.2	241.9	230.6	212.3	194.9	177.5
12.5°	332.4	331.6	327.2	*322.9*	320.2	308.9	295.0	282.0	262.8	240.2	218.4
15°	391.6	392.5	388.1	*385.5*	380.3	369.0	357.7	338.5	319.4	293.3	267.2
17.5°	450.8	452.5	448.2	*446.4*	442.1	432.5	417.7	397.7	373.3	342.9	309.8
20°	516.0	517.8	515.2	*509.1*	503.9	493.4	480.4	455.1	428.2	396.8	354.2
22.5°	585.7	586.5	578.7	*577.0*	571.7	562.2	543.0	520.4	489.9	449.9	405.5
25°	654.4	654.4	652.7	*650.9*	643.1	631.8	612.6	584.8	550.9	508.2	456.0
27.5°	728.4	729.3	724.9	*723.2*	717.1	702.3	682.3	651.8	617.0	565.6	506.5
30°	806.7	805.8	801.5	*798.0*	795.4	780.6	758.0	726.6	683.1	624.0	563.9
32.5°	885.0	882.4	879.8	*876.3*	875.4	856.3	838.0	799.7	754.5	691.8	619.6
35°	965.1	959.0	957.3	*958.1*	953.8	938.1	911.1	873.7	821.5	756.2	674.4
37.5°	1034.7	1039.9	1035.6	*1032.1*	1033.0	1015.6	986.8	945.1	890.2	818.0	730.1
40°	1112.2	1108.7	1108.7	*1108.7*	1106.1	1090.4	1059.9	1013.8	951.2	874.6	778.9
42.5°	1179.2	1179.2	1183.5	*1180.9*	1178.3	1160.0	1126.9	1075.6	1009.5	926.8	825.8
45°	1247.9	1246.2	1251.4	*1247.9*	1246.2	1227.0	1192.2	1139.1	1069.5	979.0	872.8
47.5°	1311.4	1312.3	1314.0	*1314.0*	1312.3	1290.5	1254.0	1191.3	1120.9	1024.3	912.9
50°	1366.3	1370.6	1375.8	*1372.4*	1374.1	1350.6	1309.7	1246.2	1164.4	1066.9	948.5
52.5°	1420.2	1420.2	1427.2	*1427.2*	1425.4	1402.8	1356.7	1289.7	1208.7	1105.2	981.6
55°	1466.3	1467.2	1473.3	*1474.2*	1473.3	1447.2	1398.5	1326.2	1241.8	1137.4	1008.6
57.5°	1501.1	1503.8	1511.6	*1514.2*	1510.7	1487.2	1432.4	1359.3	1269.7	1162.6	1032.1
60°	1532.5	1536.0	1544.7	*1548.1*	1545.5	1520.3	1462.9	1384.5	1292.3	1184.4	1052.1
62.5°	1560.3	1561.2	1572.5	*1574.2*	1573.4	1546.4	1485.5	1403.7	1310.6	1200.9	1069.5
65°	1580.3	1582.9	1595.1	*1597.7*	1596.0	1567.3	1503.8	1419.3	1325.4	1214.8	1082.6
67.5°	1596.0	1597.7	1609.9	*1614.3*	1612.5	1582.1	1516.8	1428.9	1334.1	1224.4	1093.0
70°	1604.7	1607.3	1621.2	*1624.7*	1623.0	1592.5	1524.6	1433.3	1339.3	1231.4	1100.0
72.5°	1609.9	1612.5	1627.3	*1631.7*	1630.8	1598.6	1528.1	1435.0	1341.0	1234.9	1105.2
75°	*1612.5*	*1615.1*	*1629.9*	*1636.0*	*1633.4*	*1601.2*	*1529.0*	*1434.1*	*1340.2*	*1237.5*	*1109.5*
76°	1612.5	1614.3	1629.9	*1636.0*	1633.4	1601.2	1529.0	1432.4	1339.3	1238.3	1111.3
77.5°	1610.8	1613.4	1629.1	*1634.3*	1632.5	1600.4	1526.4	1428.9	1336.7	1236.6	1112.2
80°	1606.4	1609.1	1623.8	*1629.9*	1627.3	1594.3	1520.3	1422.0	1329.7	1233.1	1112.2
82.5°	1596.9	1599.5	1613.4	*1617.8*	1616.9	1583.8	1509.0	1409.8	1319.3	1227.0	1110.4
85°	1582.1	1584.7	1596.0	*1601.2*	1598.6	1567.3	1492.4	1393.2	1306.2	1217.4	1105.2
87.5°	1562.1	1563.8	1576.0	*1577.7*	1576.9	1545.5	1471.6	1372.4	1288.8	1204.4	1096.5
90°	1537.7	1539.4	1549.0	*1551.6*	1549.0	1519.4	1444.6	1349.7	1267.1	1188.7	1086.0
92.5°	1512.5	1511.6	1518.5	*1521.2*	1518.5	1489.0	1416.7	1322.7	1244.4	1171.3	1073.0
95°	1482.9	1484.6	1486.4	*1488.1*	1484.6	1455.9	1385.4	1293.2	1220.1	1152.2	1060.8
97.5°	1449.8	1448.9	1450.7	*1450.7*	1447.2	1418.5	1349.7	1264.4	1192.2	1131.3	1044.3
100°	1415.0	1414.1	1412.4	*1408.9*	1405.4	1377.6	1314.0	1228.8	1163.5	1106.1	1027.7
102.5°	1376.7	1371.5	1366.3	*1365.4*	1357.6	1334.1	1273.1	1194.8	1133.0	1082.6	1006.9
105°	1329.7	1328.0	1320.1	*1313.2*	1308.8	1282.7	1227.0	1157.4	1100.8	1053.8	984.2
107.5°	1281.8	1278.4	1267.1	*1264.4*	1255.7	1232.2	1181.8	1120.0	1068.6	1025.1	957.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	1230.5	1228.8	1216.6	*1208.7*	1201.8	1175.7	1132.2	1080.0	1033.0	992.9	926.8
112.5°	1173.1	1171.3	1158.3	*1152.2*	1141.7	1121.7	1080.8	1033.8	993.8	957.3	893.7
115°	1114.8	1113.9	1099.1	*1091.3*	1081.7	1057.3	1024.3	987.7	952.0	915.5	853.7
117.5°	1056.5	1052.1	1037.3	*1027.7*	1018.2	996.4	969.4	940.7	907.6	873.7	812.8
120°	990.3	989.4	972.9	*965.1*	956.4	936.4	912.9	885.9	859.8	825.8	771.9
122.5°	926.8	925.9	911.1	*901.6*	890.2	874.6	855.4	834.5	811.1	778.0	724.9
125°	862.4	860.7	845.0	*835.4*	825.8	812.8	794.5	779.7	760.6	729.3	678.8
127.5°	797.1	793.6	784.1	*774.5*	764.1	747.5	741.4	728.4	707.5	677.0	632.7
130°	736.2	734.5	721.4	*712.7*	702.3	689.2	684.0	673.6	658.8	630.9	589.1
132.5°	672.7	670.9	663.1	*654.4*	645.7	632.7	630.0	620.5	605.7	583.1	543.9
135°	616.1	614.4	605.7	*596.1*	591.8	582.2	578.7	570.9	556.9	534.3	500.4
137.5°	561.3	560.4	551.7	*543.9*	538.7	531.7	528.2	521.3	510.8	490.8	459.5
140°	511.7	507.3	500.4	*493.4*	488.2	481.2	479.5	473.4	465.6	446.4	423.8
142.5°	462.1	459.5	454.3	*448.2*	444.7	436.9	432.5	429.9	419.5	404.7	386.4
145°	413.4	413.4	409.0	*404.7*	399.4	394.2	390.7	388.1	379.4	366.4	349.0
147.5°	372.5	372.5	369.0	*367.2*	362.9	355.9	353.3	350.7	342.9	332.4	318.5
150°	337.6	335.9	333.3	*330.7*	327.2	321.1	316.8	314.2	308.1	300.2	287.2
152.5°	302.8	302.8	301.1	*297.6*	295.0	290.7	287.2	283.7	279.3	270.6	260.2
155°	273.3	273.3	270.6	*268.9*	267.2	263.7	260.2	256.7	251.5	244.5	236.7
157.5°	248.9	248.9	247.1	*246.3*	242.8	241.1	237.6	234.1	228.9	222.8	215.8
160°	226.3	227.1	226.3	*225.4*	222.8	220.2	216.7	213.2	208.9	203.6	198.4
162.5°	208.0	208.9	207.1	*206.2*	204.5	201.9	198.4	196.7	193.2	187.1	181.9
165°	192.3	192.3	191.5	*190.6*	189.7	186.2	184.5	182.7	179.3	174.9	170.6
167.5°	180.1	180.1	179.3	*179.3*	177.5	175.8	173.2	171.4	168.0	165.3	160.1
170°	169.7	169.7	168.8	*168.0*	167.1	165.3	163.6	161.0	159.3	155.8	153.2
172.5°	161.0	161.0	160.1	*159.3*	159.3	156.6	155.8	154.0	152.3	149.7	147.1
175°	154.0	153.2	153.2	*152.3*	151.4	149.7	148.8	147.9	146.2	145.3	143.6
177.5°	147.9	147.9	147.1	*147.1*	146.2	144.5	144.5	143.6	142.7	141.8	141.0
180°	140.1	140.1	140.1	*140.1*	140.1	140.1	140.1	140.1	140.1	140.1	140.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2.5°	94.9	92.2	85.3	79.2	74.8	68.7	63.5	61.8	60.9	60.0	60.0
5°	104.4	99.2	87.0	75.7	65.3	56.6	48.7	40.9	34.8	31.3	29.6
7.5°	131.4	125.3	108.8	94.0	79.2	66.1	53.1	43.5	34.8	29.6	29.6
10°	167.1	158.4	137.5	116.6	98.3	79.2	63.5	50.5	42.6	38.3	38.3
12.5°	204.5	193.2	168.8	141.8	116.6	94.9	75.7	61.8	53.1	49.6	49.6
15°	248.9	234.1	202.8	168.8	138.4	112.3	90.5	74.8	64.4	60.0	59.2
17.5°	291.5	272.4	235.0	196.7	160.1	128.8	103.6	83.5	72.2	66.1	65.3
20°	336.8	313.3	268.9	221.9	180.1	141.8	111.4	89.6	74.8	67.9	67.0
22.5°	378.5	353.3	300.2	245.4	195.8	151.4	115.7	90.5	74.0	66.1	65.3
25°	426.4	397.7	335.0	270.6	212.3	159.3	119.2	90.5	73.1	64.4	63.5
27.5°	475.1	441.2	370.7	295.9	227.1	168.0	121.8	90.5	71.4	62.7	61.8
30°	526.5	489.1	404.7	322.0	242.8	174.9	124.4	89.6	70.5	60.9	60.0
32.5°	578.7	535.2	442.1	347.2	258.5	181.9	126.2	89.6	68.7	60.0	58.3
35°	631.8	581.3	479.5	373.3	272.4	188.0	127.1	88.8	67.9	58.3	57.4
37.5°	678.8	626.6	514.3	396.8	285.4	192.3	127.9	87.9	67.0	57.4	56.6
40°	726.6	670.1	547.4	417.7	295.0	194.9	127.1	87.0	65.3	56.6	55.7
42.5°	770.2	709.2	577.8	437.7	303.7	197.5	126.2	85.3	64.4	55.7	54.8
45°	811.9	747.5	606.5	455.1	311.5	198.4	124.4	84.4	63.5	55.7	54.8
47.5°	850.2	780.6	634.4	471.7	318.5	198.4	123.6	82.7	63.5	55.7	54.8
50°	882.4	813.7	657.0	486.5	322.9	197.5	121.8	81.8	63.5	55.7	54.8
52.5°	913.7	840.6	679.6	497.8	325.5	195.8	119.2	80.9	63.5	56.6	55.7
55°	939.0	865.0	698.8	510.0	328.1	194.1	117.5	80.1	63.5	56.6	56.6
57.5°	960.7	885.0	713.6	517.8	328.1	190.6	115.7	80.1	64.4	58.3	57.4
60°	981.6	903.3	729.3	524.7	328.1	188.0	114.0	80.1	65.3	59.2	58.3
62.5°	995.5	918.1	741.4	530.8	326.3	185.4	112.3	80.1	66.1	60.9	60.0
65°	1009.5	932.0	752.7	536.1	325.5	182.7	112.3	80.9	67.9	63.5	62.7
67.5°	1019.9	943.3	760.6	539.5	323.7	180.1	111.4	82.7	70.5	66.1	65.3
70°	1028.6	952.0	770.2	542.2	322.0	178.4	112.3	85.3	73.1	68.7	68.7
72.5°	1035.6	959.9	775.4	544.8	320.2	177.5	114.0	87.9	77.5	73.1	72.2
75°	*1039.9*	*964.2*	*780.6*	*545.6*	*318.5*	*176.7*	*115.7*	*91.4*	*80.9*	*77.5*	*76.6*
76°	1040.8	966.0	782.3	546.5	317.6	176.7	116.6	92.2	82.7	79.2	78.3
77.5°	1043.4	968.6	784.1	546.5	316.8	176.7	118.4	94.9	85.3	81.8	81.8
80°	1045.1	970.3	786.7	547.4	315.0	176.7	121.0	99.2	90.5	87.0	86.2
82.5°	1044.3	971.2	787.6	545.6	314.2	177.5	124.4	103.6	95.7	92.2	91.4
85°	1040.8	968.6	785.8	543.0	311.5	179.3	127.9	108.8	100.1	96.6	96.6
87.5°	1034.7	962.5	781.5	539.5	309.8	180.1	131.4	113.1	105.3	101.8	101.8
90°	1026.0	955.5	776.2	536.1	307.2	181.0	135.8	117.5	110.5	107.9	107.0
92.5°	1015.6	946.8	769.3	530.8	305.5	182.7	139.2	122.7	115.7	112.3	112.3
95°	1005.1	937.2	761.4	524.7	303.7	185.4	142.7	127.1	120.1	117.5	117.5
97.5°	990.3	924.2	751.0	517.8	301.1	186.2	147.1	131.4	125.3	121.8	121.8
100°	972.0	909.4	738.8	510.8	299.4	188.8	150.5	135.8	129.7	127.1	126.2
102.5°	953.8	892.0	725.8	503.0	296.7	189.7	154.0	140.1	133.1	130.5	130.5
105°	932.9	872.8	709.2	492.5	294.1	191.5	156.6	142.7	136.6	134.0	133.1
107.5°	908.5	848.5	692.7	483.0	291.5	193.2	159.3	145.3	139.2	136.6	135.8

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

Scaled Data Report

REPORT NUMBER: P1045942
CATALOG NUMBER: FFX-CLB-70-740-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	880.7	825.8	672.7	472.5	289.8	195.8	161.9	147.1	141.0	137.5	137.5
112.5°	848.5	793.6	650.9	460.4	289.8	199.3	163.6	148.8	141.8	138.4	138.4
115°	810.2	759.7	624.8	449.0	288.9	202.8	167.1	149.7	141.8	139.2	138.4
117.5°	772.8	724.0	598.7	437.7	291.5	208.9	170.6	151.4	141.8	138.4	138.4
120°	731.0	686.6	571.7	426.4	295.0	214.9	174.9	152.3	141.8	137.5	137.5
122.5°	687.5	646.6	545.6	416.0	297.6	221.9	178.4	154.0	141.0	136.6	135.8
125°	646.6	605.7	516.0	405.5	300.2	228.0	182.7	154.9	140.1	134.9	134.0
127.5°	601.3	570.0	489.9	394.2	302.0	233.2	186.2	155.8	139.2	133.1	132.3
130°	562.2	531.7	463.8	382.0	300.2	235.0	187.1	154.9	137.5	131.4	131.4
132.5°	518.7	494.3	435.1	366.4	295.9	235.0	188.0	154.9	136.6	130.5	129.7
135°	480.4	457.7	408.1	349.0	288.0	231.5	186.2	154.0	135.8	129.7	128.8
137.5°	444.7	422.9	379.4	330.7	276.7	225.4	182.7	152.3	134.9	128.8	127.9
140°	406.4	390.7	353.3	310.7	264.5	218.4	178.4	150.5	134.9	128.8	127.9
142.5°	371.6	358.5	324.6	288.9	248.9	208.0	173.2	147.9	134.0	128.8	127.9
145°	340.3	325.5	299.4	267.2	233.2	198.4	168.0	146.2	133.1	128.8	127.9
147.5°	309.8	296.7	275.0	247.1	219.3	188.8	162.7	143.6	133.1	128.8	127.9
150°	279.3	270.6	251.5	228.9	203.6	179.3	157.5	141.8	133.1	129.7	128.8
152.5°	253.2	247.1	230.6	212.3	190.6	169.7	152.3	140.1	133.1	129.7	129.7
155°	231.5	225.4	211.5	194.9	179.3	161.9	148.8	138.4	133.1	130.5	129.7
157.5°	209.7	205.4	194.1	181.9	168.8	155.8	145.3	137.5	133.1	130.5	130.5
160°	193.2	188.8	180.1	170.6	160.1	150.5	141.8	135.8	133.1	131.4	131.4
162.5°	179.3	175.8	168.8	161.0	153.2	145.3	139.2	134.9	133.1	131.4	131.4
165°	168.0	165.3	159.3	153.2	147.9	141.8	137.5	134.9	133.1	132.3	132.3
167.5°	158.4	156.6	152.3	147.9	143.6	139.2	135.8	134.0	133.1	133.1	133.1
170°	151.4	149.7	147.1	143.6	140.1	137.5	134.9	134.0	134.0	133.1	134.0
172.5°	146.2	145.3	142.7	140.1	138.4	135.8	134.9	134.0	134.9	134.9	134.9
175°	142.7	141.8	140.1	138.4	137.5	135.8	135.8	134.9	135.8	136.6	136.6
177.5°	140.1	139.2	138.4	138.4	137.5	136.6	136.6	137.5	138.4	138.4	138.4
180°	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1

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

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-1

Test Date: 03/20/2025

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

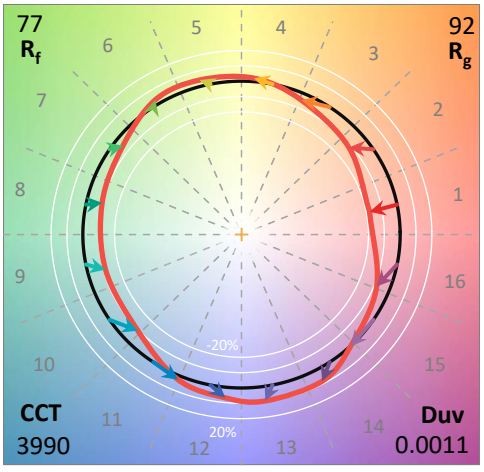
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-1
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-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3990	CRI (Ra):	73.9		
CIE u':	0.2247	R1:	69.6	R9:	-36.4
CIE v':	0.5031	R2:	83.0	R10:	60.9
Duv:	0.0011	R3:	93.1	R11:	66.8
CIE x:	0.3816	R4:	70.6	R12:	52.5
CIE y:	0.3798	R5:	70.6	R13:	72.5
CIE z:	0.2386	R6:	76.4	R14:	96.4
Peak Wavelength (nm):	450	R7:	79.8	R15:	61.3
Dominant Wavelength (nm):	578	R8:	48.1		
Purity:	28.50862				

Rf:	77.5
Rg:	91.9



Test Conditions

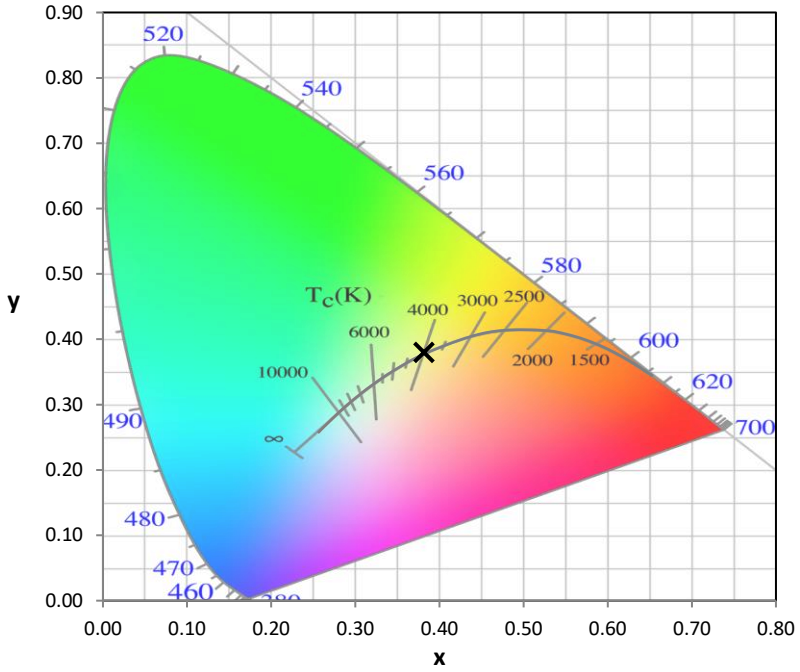
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

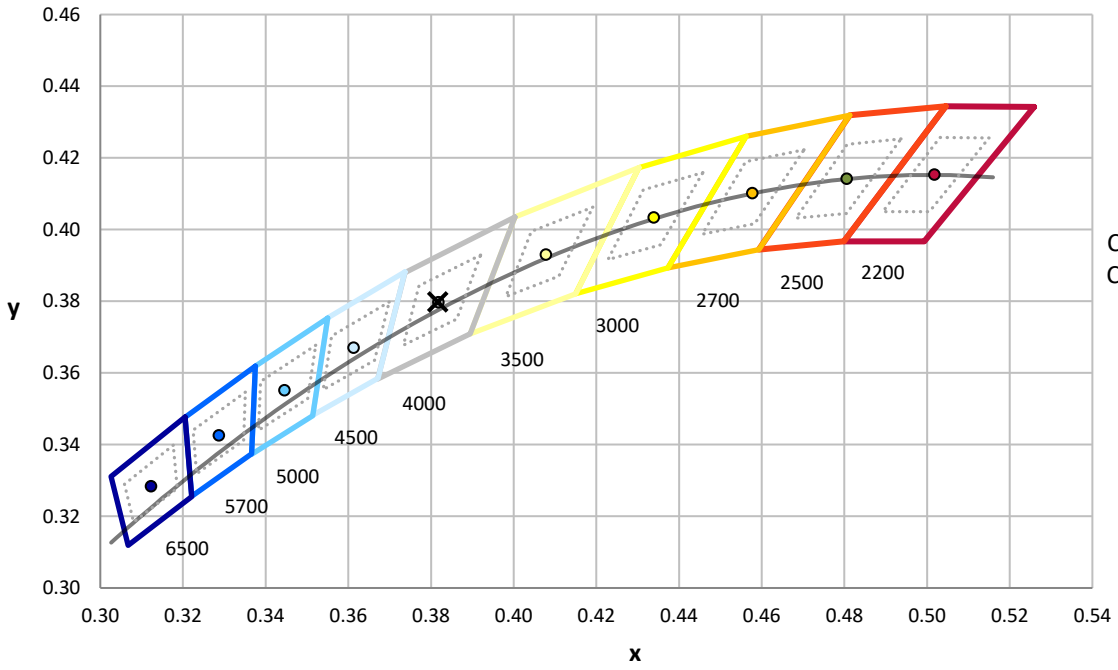
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-1

CIE 1931 Chromaticity Diagram



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

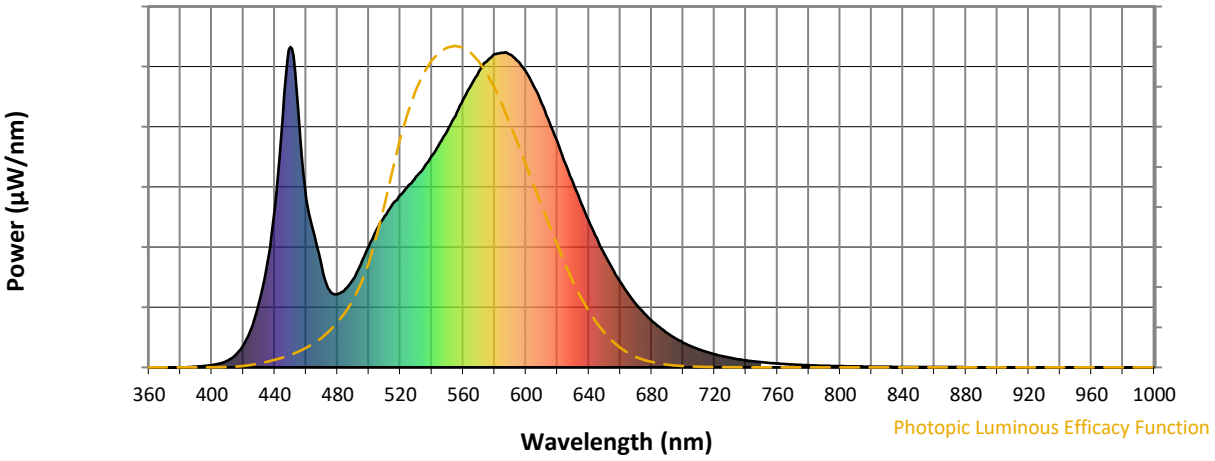


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

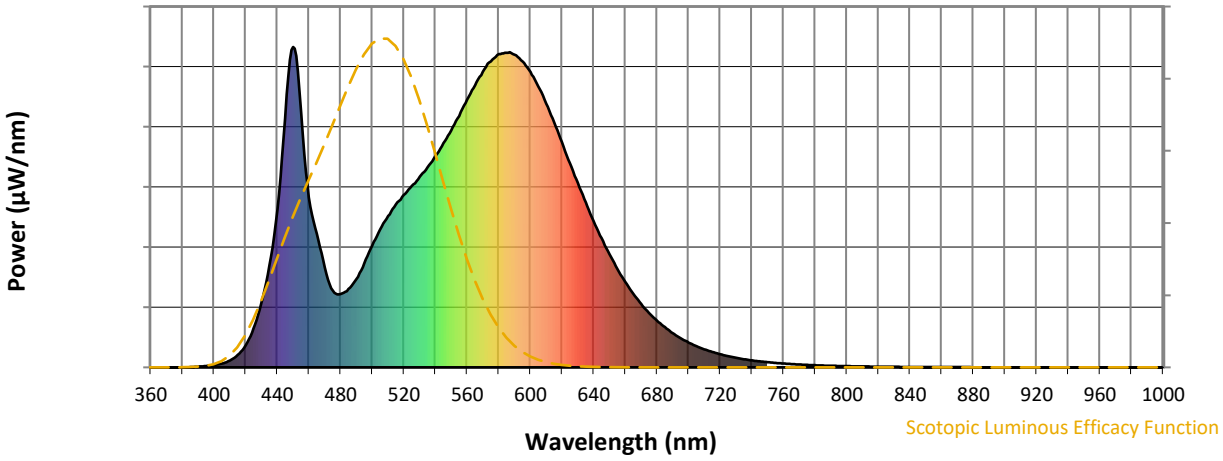


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Scotopic Flux vs. Wavelength

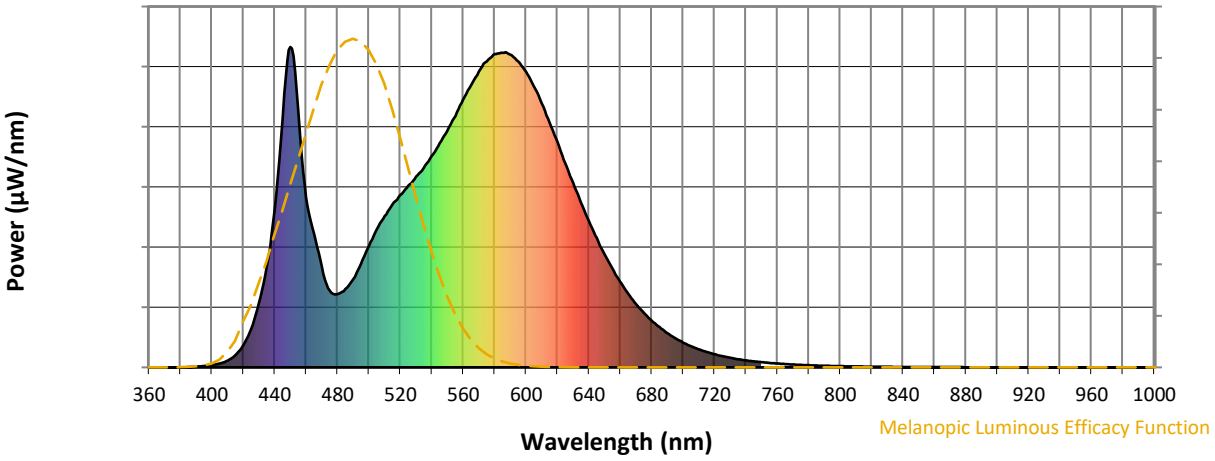


Scotopic Lumens: NR **S/P: 1.59**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.21**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

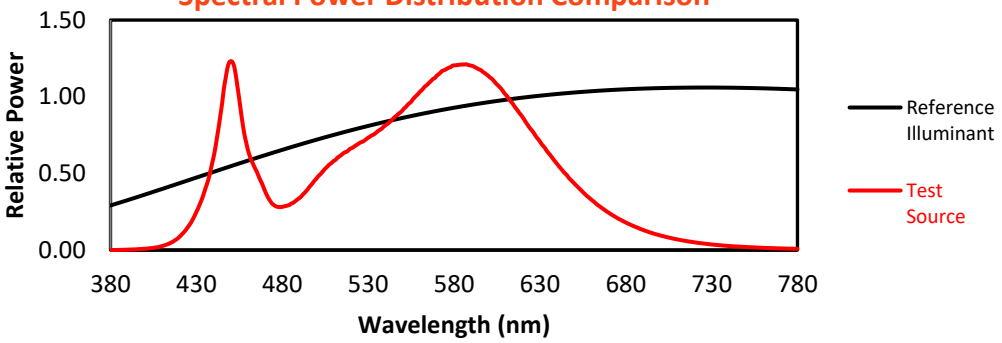
REPORT NUMBER: SP1-2501-332-1

TM-30-18

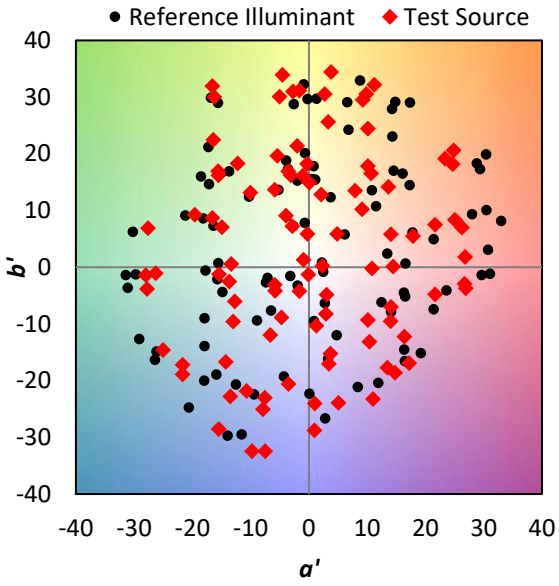
Summary

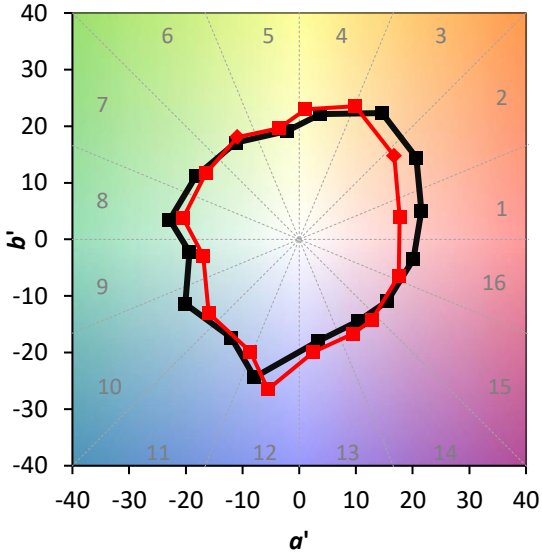
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

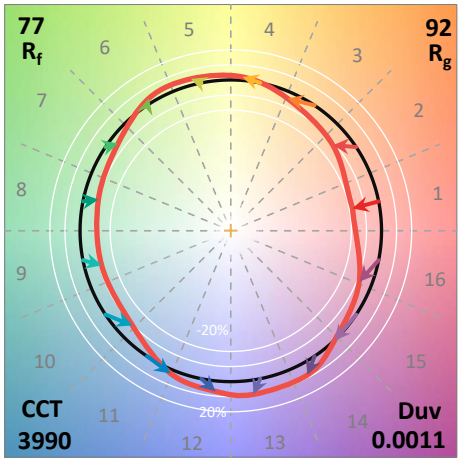
Spectral Power Distribution Comparison

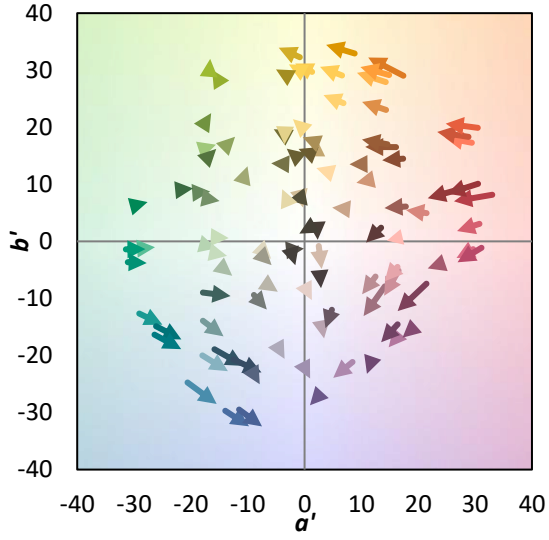


Color Vector Graphics







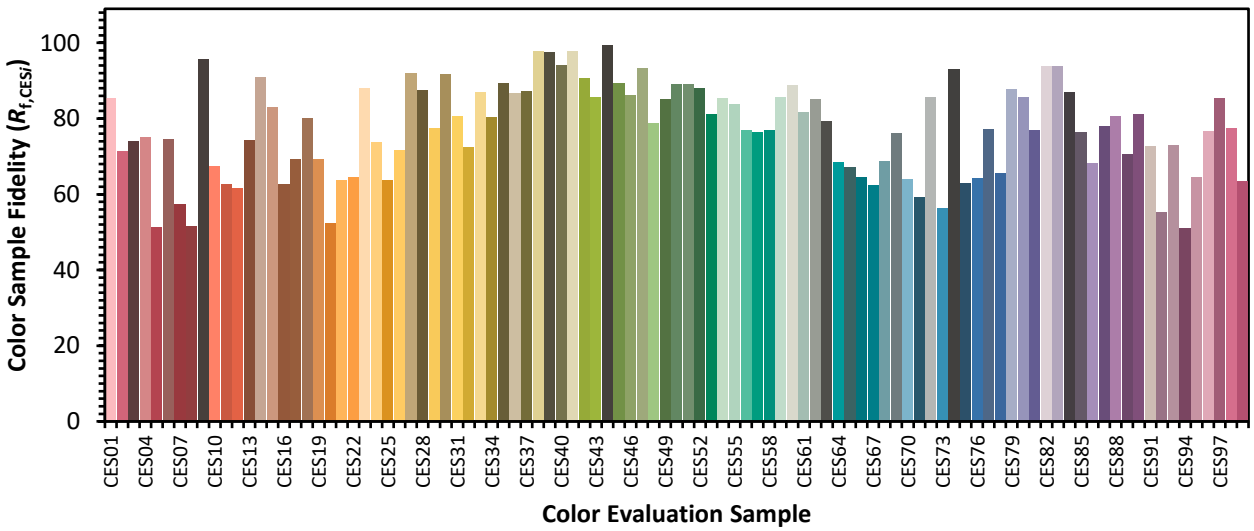


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

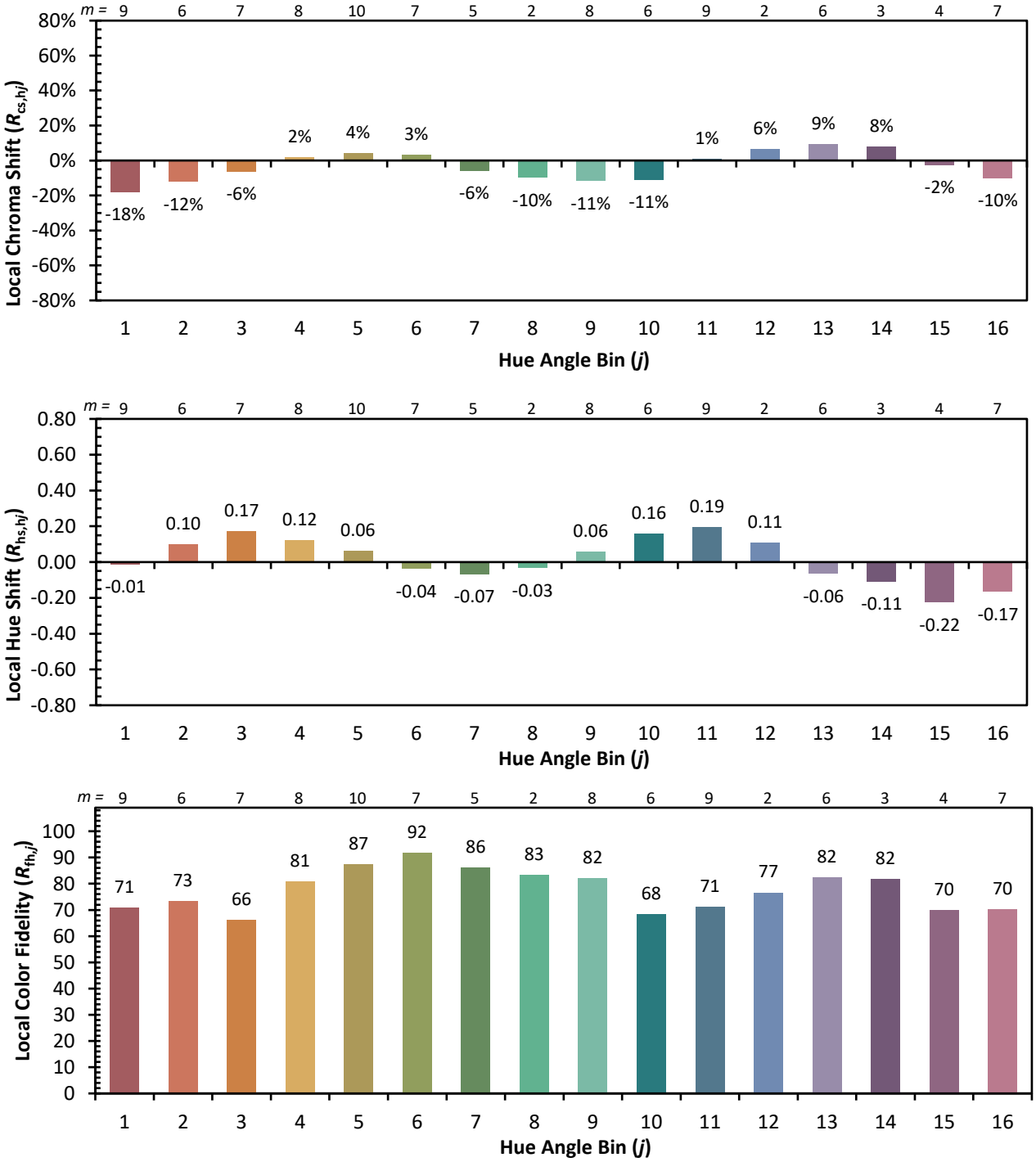
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 39	CES33 = 87	CES58 = 77	CES83 = 94
CES09 = 29	CES34 = 80	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 89	CES60 = 89	CES85 = 76
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 68
CES12 = 63	CES37 = 87	CES62 = 85	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 81
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 67	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 65	CES91 = 73
CES17 = 49	CES42 = 91	CES67 = 62	CES92 = 55
CES18 = 56	CES43 = 86	CES68 = 69	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 65	CES45 = 89	CES70 = 64	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 77
CES22 = 78	CES47 = 93	CES72 = 86	CES97 = 85
CES23 = 92	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 93	CES99 = 63
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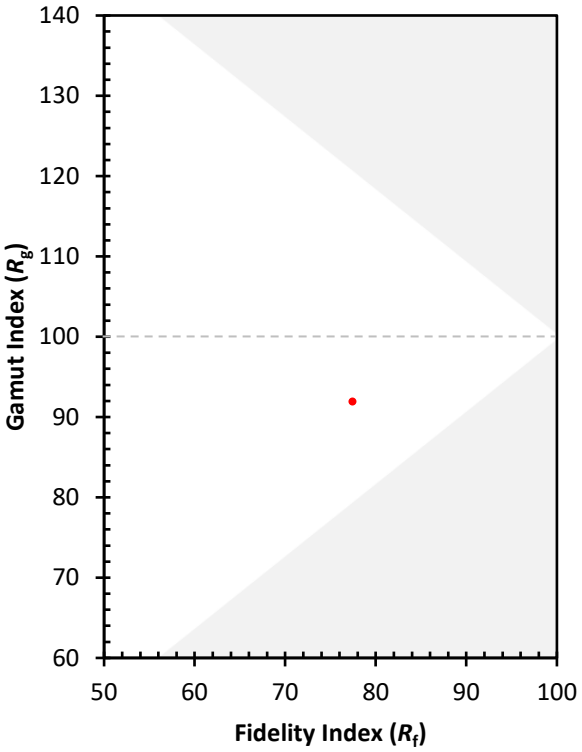
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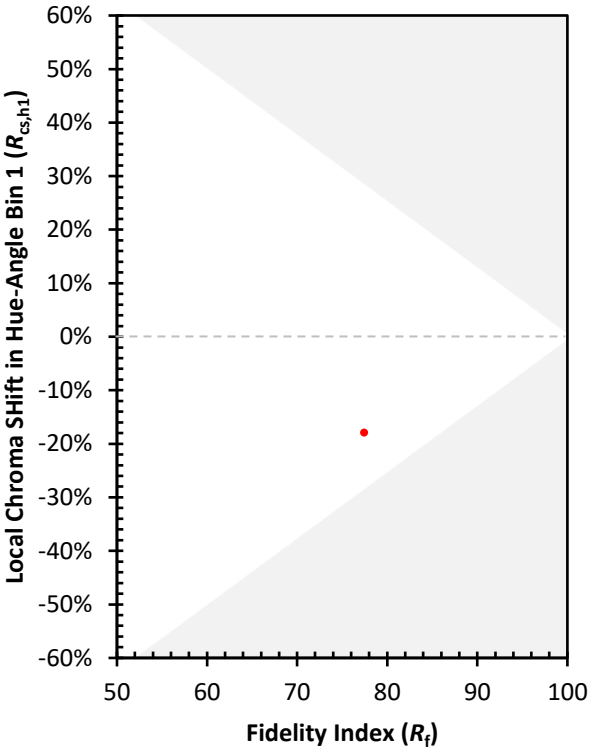


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Measure Comparisons





(END OF REPORT)