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: P1045941

Luminaire Tested: **FFX-CLB-80-740-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:	P1045941
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-740-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:	9418.6 lumens
Efficiency:	N/A
Efficacy:	115.1 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):	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

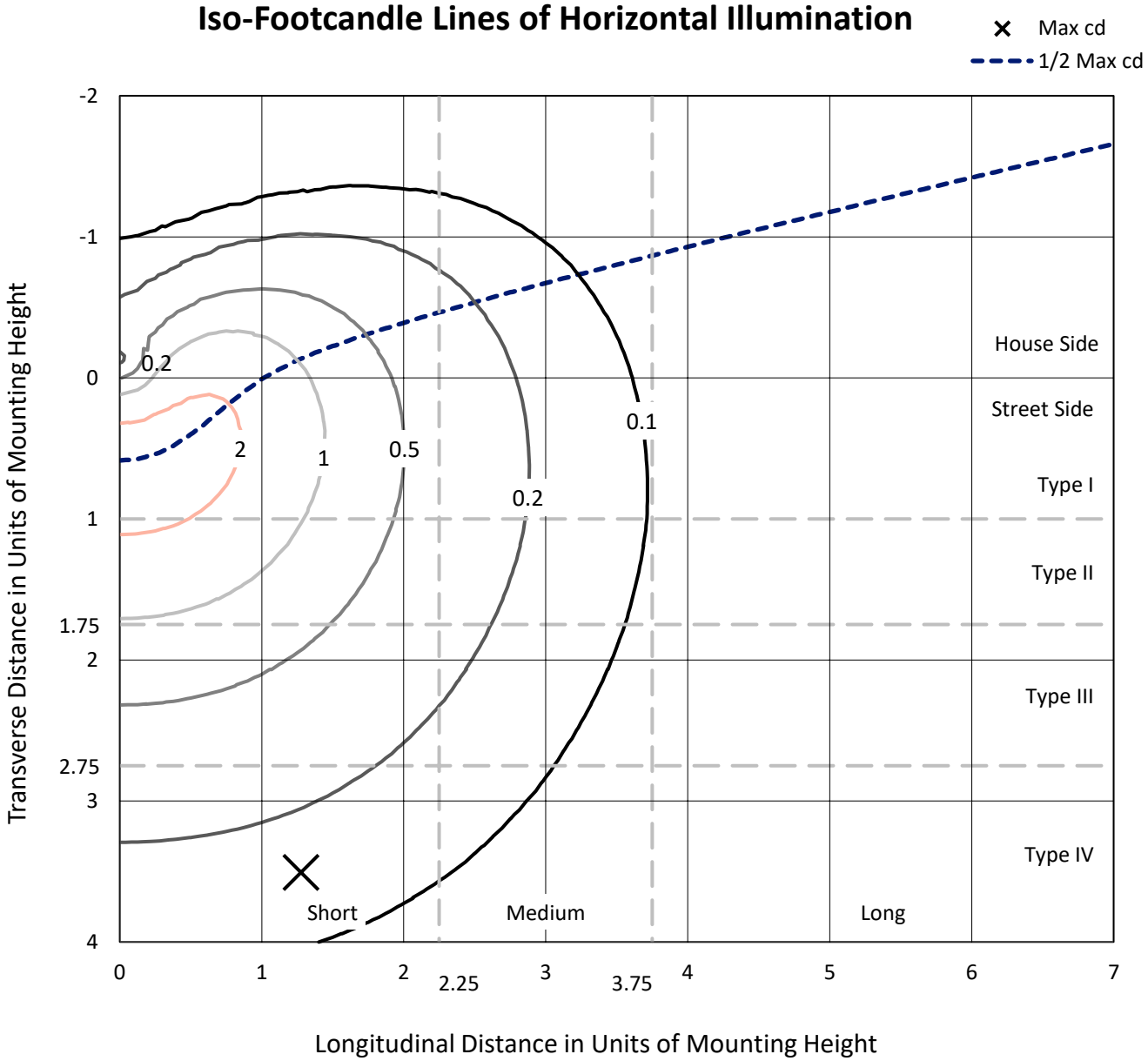


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Iso-Footcandle Lines of Horizontal Illumination



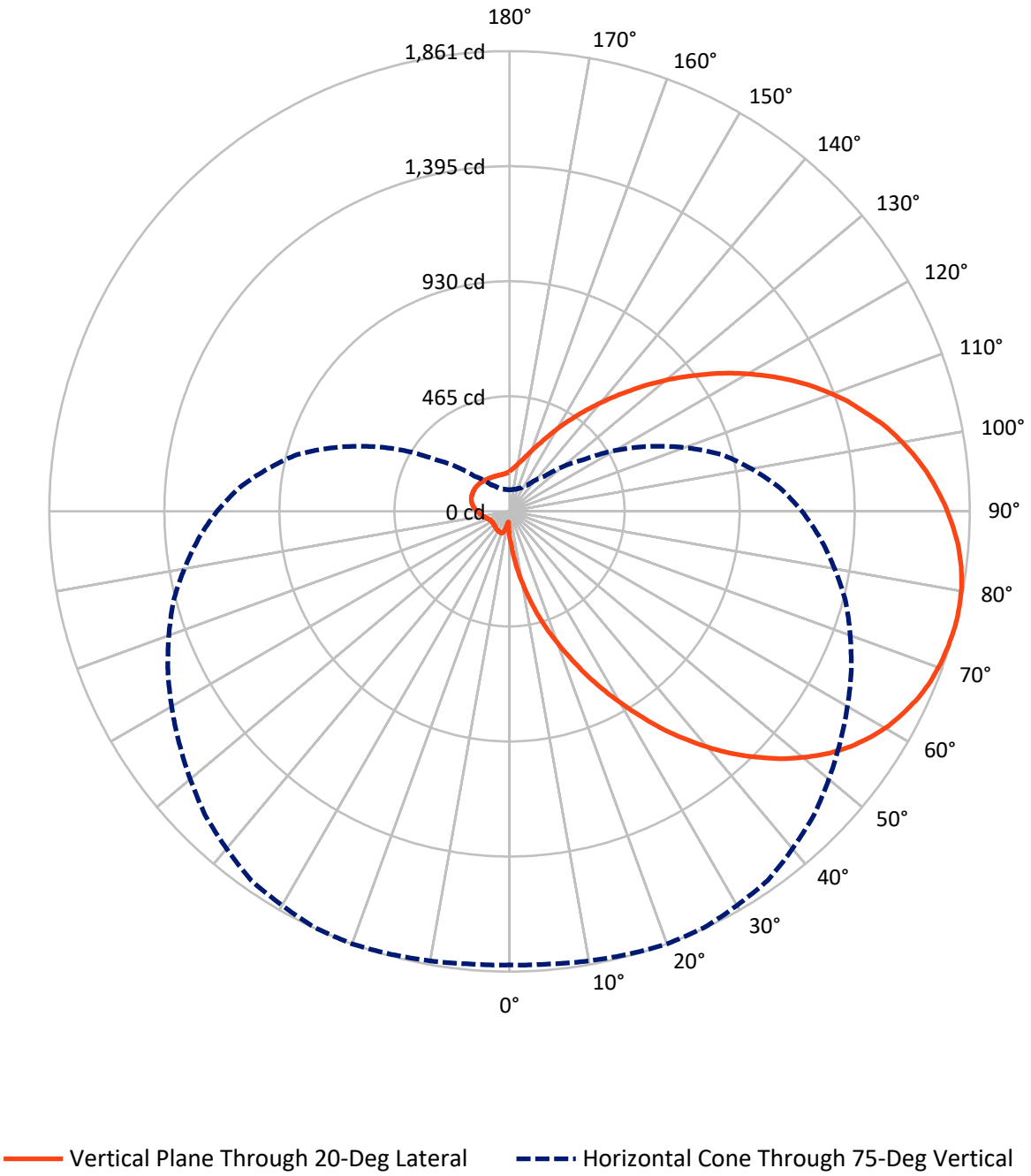
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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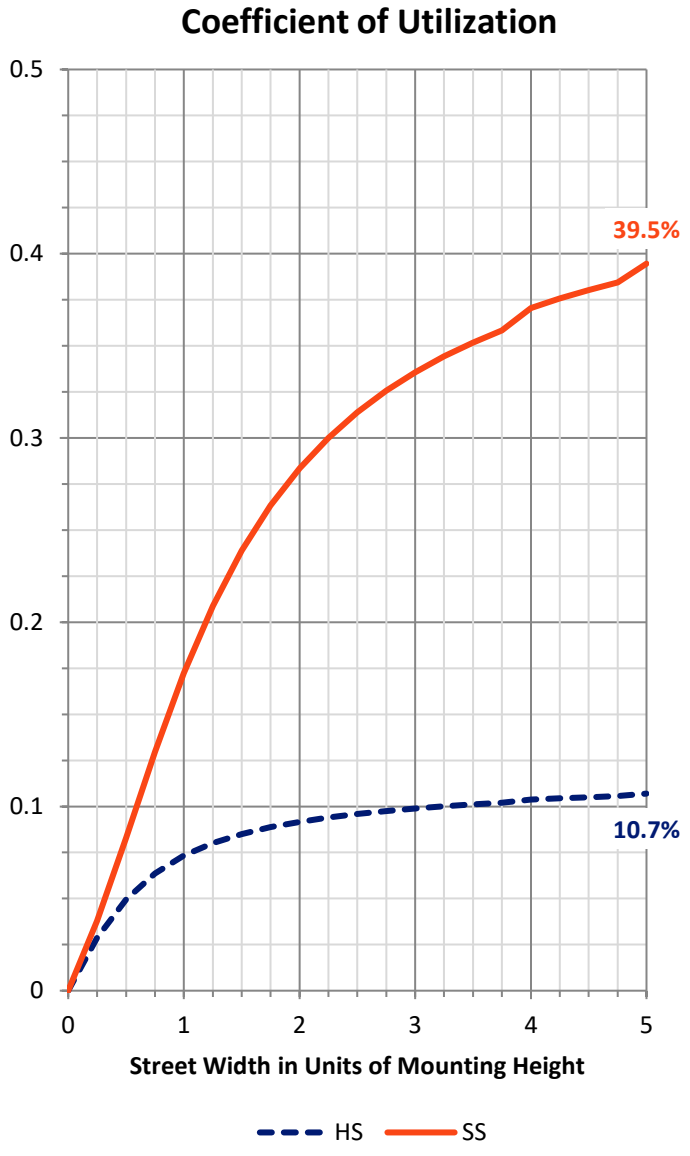
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1088.9	1035.9	2124.8
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	4275.8	3017.9	7293.7
	% Fixture	45.4	32.0	77.4
Total	Lumens	5364.7	4053.8	9418.6
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.1
10°-20°	78.6	0.8
20°-30°	208.1	2.2
30°-40°	402.0	4.3
40°-50°	629.6	6.7
50°-60°	841.9	8.9
60°-70°	997.6	10.6
70°-80°	1086.9	11.5
80°-90°	1106.5	11.7
90°-100°	1049.3	11.1
100°-110°	927.8	9.9
110°-120°	753.4	8.0
120°-130°	554.5	5.9
130°-140°	367.7	3.9
140°-150°	216.7	2.3
150°-160°	114.6	1.2
160°-170°	54.0	0.6
170°-180°	15.8	0.2
0°-90°	5364.7	57.0
0°-180°	9418.6	100.0



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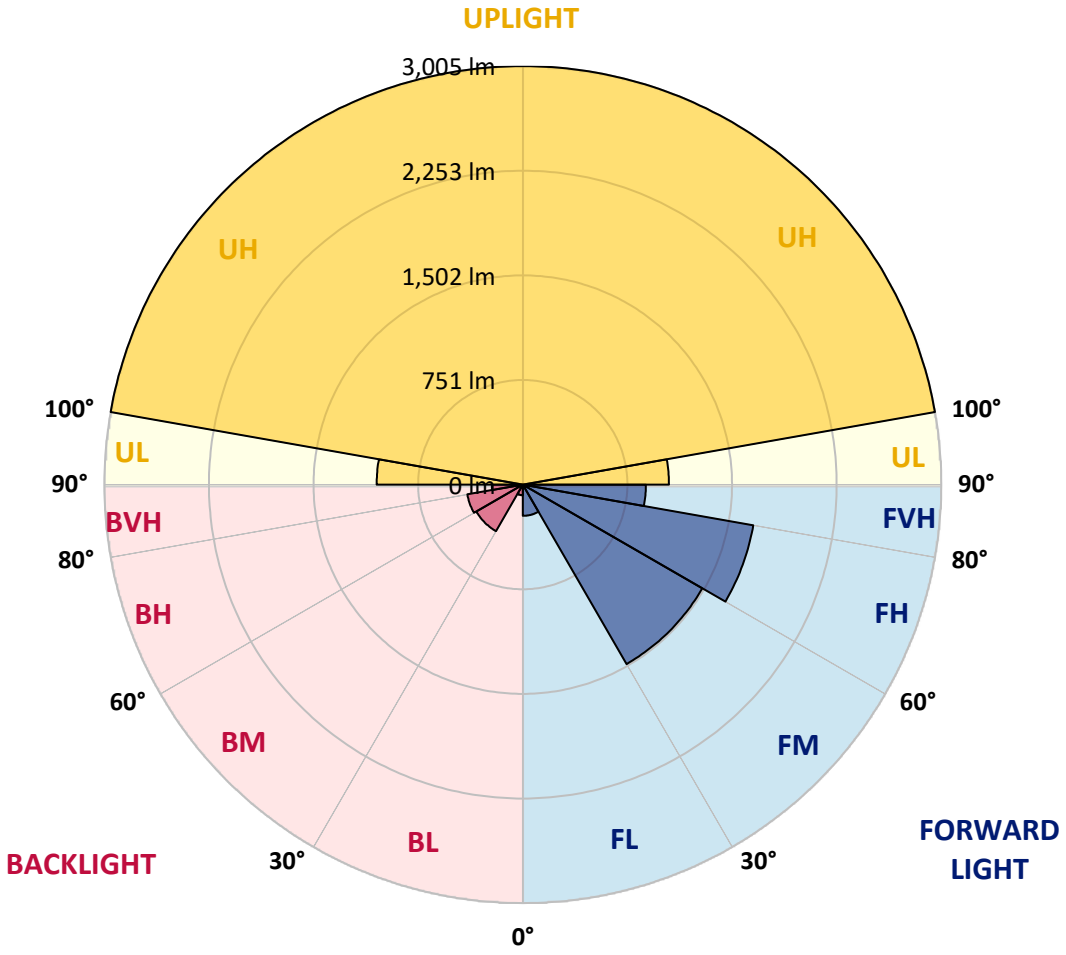
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	224.1	2.4			
FM	(30°-60°)	1488.1	15.8			
FH	(60°-80°)	1680.2	17.8			G1/1800
FVH	(80°-90°)	883.5	9.4			G5
BL	(0°-30°)	76.0	0.8	B0/110		
BM	(30°-60°)	385.4	4.1	B1/1000		
BH	(60°-80°)	404.4	4.3	B1/500		G1/500
BVH	(80°-90°)	223.0	2.4			G2/225
UL	(90°-100°)	1049.3	11.1		U5	
UH	(100°-180°)	3004.6	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°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
2.5°	131.6	131.6	132.6	132.6	133.6	131.6	128.7	126.7	123.7	116.8	110.8
5°	183.1	184.1	182.1	183.1	184.1	179.1	172.2	163.3	150.4	138.6	125.7
7.5°	245.4	248.4	243.5	242.5	239.5	231.6	221.7	207.8	194.0	178.1	159.3
10°	313.7	312.7	306.8	299.9	297.9	288.0	275.1	262.3	241.5	221.7	201.9
12.5°	378.0	377.1	372.1	367.2	364.2	351.3	335.5	320.6	298.9	273.1	248.4
15°	445.3	446.3	441.4	438.4	432.5	419.6	406.7	385.0	363.2	333.5	303.8
17.5°	512.6	514.6	509.7	507.7	502.7	491.9	475.0	452.3	424.6	389.9	352.3
20°	586.9	588.8	585.9	578.9	573.0	561.1	546.3	517.6	486.9	451.3	402.8
22.5°	666.0	667.0	658.1	656.1	650.2	639.3	617.5	591.8	557.2	511.7	461.2
25°	744.2	744.2	742.2	740.3	731.4	718.5	696.7	665.0	626.4	578.0	518.6
27.5°	828.3	829.3	824.4	822.4	815.5	798.6	775.9	741.2	701.7	643.3	576.0
30°	917.4	916.4	911.5	907.5	904.5	887.7	862.0	826.4	776.9	709.6	641.3
32.5°	1006.5	1003.5	1000.5	996.6	995.6	973.8	953.0	909.5	858.0	786.8	704.6
35°	1097.5	1090.6	1088.6	1089.6	1084.7	1066.8	1036.2	993.6	934.2	860.0	767.0
37.5°	1176.7	1182.6	1177.7	1173.7	1174.7	1154.9	1122.3	1074.8	1012.4	930.3	830.3
40°	1264.8	1260.8	1260.8	1260.8	1257.8	1240.0	1205.4	1152.9	1081.7	994.6	885.7
42.5°	1341.0	1341.0	1345.9	1343.0	1340.0	1319.2	1281.6	1223.2	1148.0	1054.0	939.2
45°	1419.2	1417.2	1423.1	1419.2	1417.2	1395.4	1355.8	1295.5	1216.3	1113.4	992.6
47.5°	1491.4	1492.4	1494.4	1494.4	1492.4	1467.7	1426.1	1354.8	1274.7	1164.8	1038.1
50°	1553.8	1558.7	1564.6	1560.7	1562.7	1535.9	1489.4	1417.2	1324.2	1213.3	1078.7
52.5°	1615.1	1615.1	1623.0	1623.0	1621.1	1595.3	1542.9	1466.7	1374.6	1256.9	1116.3
55°	1667.6	1668.6	1675.5	1676.5	1675.5	1645.8	1590.4	1508.2	1412.2	1293.5	1147.0
57.5°	1707.2	1710.1	1719.0	1722.0	1718.0	1691.3	1629.0	1545.8	1443.9	1322.2	1173.7
60°	1742.8	1746.7	1756.6	1760.6	1757.6	1728.9	1663.6	1574.5	1469.6	1346.9	1196.5
62.5°	1774.4	1775.4	1788.3	1790.3	1789.3	1758.6	1689.3	1596.3	1490.4	1365.7	1216.3
65°	1797.2	1800.2	1814.0	1817.0	1815.0	1782.4	1710.1	1614.1	1507.2	1381.6	1231.1
67.5°	1815.0	1817.0	1830.9	1835.8	1833.8	1799.2	1725.0	1625.0	1517.1	1392.4	1243.0
70°	1824.9	1827.9	1843.7	1847.7	1845.7	1811.1	1733.9	1630.0	1523.1	1400.4	1250.9
72.5°	1830.9	1833.8	1850.6	1855.6	1854.6	1818.0	1737.8	1631.9	1525.1	1404.3	1256.9
75°	1833.8	1836.8	1853.6	1860.5	1857.6	1821.0	1738.8	1630.9	1524.1	1407.3	1261.8
76°	1833.8	1835.8	1853.6	1860.5	1857.6	1821.0	1738.8	1629.0	1523.1	1408.3	1263.8
77.5°	1831.8	1834.8	1852.6	1858.6	1856.6	1820.0	1735.9	1625.0	1520.1	1406.3	1264.8
80°	1826.9	1829.9	1846.7	1853.6	1850.6	1813.0	1728.9	1617.1	1512.2	1402.3	1264.8
82.5°	1816.0	1819.0	1834.8	1839.8	1838.8	1801.2	1716.1	1603.2	1500.3	1395.4	1262.8
85°	1799.2	1802.2	1815.0	1821.0	1818.0	1782.4	1697.3	1584.4	1485.5	1384.5	1256.9
87.5°	1776.4	1778.4	1792.3	1794.2	1793.2	1757.6	1673.5	1560.7	1465.7	1369.7	1247.0
90°	1748.7	1750.7	1761.6	1764.6	1761.6	1727.9	1642.8	1535.0	1440.9	1351.9	1235.1
92.5°	1720.0	1719.0	1726.9	1729.9	1726.9	1693.3	1611.2	1504.3	1415.2	1332.1	1220.2
95°	1686.4	1688.3	1690.3	1692.3	1688.3	1655.7	1575.5	1470.6	1387.5	1310.3	1206.4
97.5°	1648.8	1647.8	1649.8	1649.8	1645.8	1613.1	1535.0	1438.0	1355.8	1286.5	1187.6
100°	1609.2	1608.2	1606.2	1602.2	1598.3	1566.6	1494.4	1397.4	1323.2	1257.8	1168.8
102.5°	1565.6	1559.7	1553.8	1552.8	1543.9	1517.1	1447.9	1358.8	1288.5	1231.1	1145.0
105°	1512.2	1510.2	1501.3	1493.4	1488.4	1458.7	1395.4	1316.2	1251.9	1198.5	1119.3
107.5°	1457.8	1453.8	1440.9	1438.0	1428.1	1401.3	1343.9	1273.7	1215.3	1165.8	1088.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	1399.4	1397.4	1383.5	*1374.6*	1366.7	1337.0	1287.5	1228.2	1174.7	1129.2	1054.0
112.5°	1334.1	1332.1	1317.2	*1310.3*	1298.4	1275.7	1229.1	1175.7	1130.2	1088.6	1016.4
115°	1267.7	1266.8	1249.9	*1241.0*	1230.1	1202.4	1164.8	1123.3	1082.7	1041.1	970.8
117.5°	1201.4	1196.5	1179.7	*1168.8*	1157.9	1133.2	1102.5	1069.8	1032.2	993.6	924.3
120°	1126.2	1125.2	1106.4	*1097.5*	1087.6	1064.9	1038.1	1007.5	977.8	939.2	877.8
122.5°	1054.0	1053.0	1036.2	*1025.3*	1012.4	994.6	972.8	949.1	922.4	884.7	824.4
125°	980.7	978.8	961.0	*950.1*	939.2	924.3	903.6	886.7	865.0	829.3	771.9
127.5°	906.5	902.6	891.7	*880.8*	868.9	850.1	843.2	828.3	804.6	769.9	719.5
130°	837.2	835.3	820.4	*810.5*	798.6	783.8	777.9	766.0	749.2	717.5	670.0
132.5°	765.0	763.0	754.1	*744.2*	734.3	719.5	716.5	705.6	688.8	663.1	618.5
135°	700.7	698.7	688.8	*677.9*	673.0	662.1	658.1	649.2	633.4	607.6	569.1
137.5°	638.3	637.3	627.4	*618.5*	612.6	604.7	600.7	592.8	580.9	558.2	522.5
140°	581.9	577.0	569.1	*561.1*	555.2	547.3	545.3	538.4	529.5	507.7	482.0
142.5°	525.5	522.5	516.6	*509.7*	505.7	496.8	491.9	488.9	477.0	460.2	439.4
145°	470.1	470.1	465.1	*460.2*	454.3	448.3	444.4	441.4	431.5	416.6	396.9
147.5°	423.6	423.6	419.6	*417.6*	412.7	404.8	401.8	398.8	389.9	378.0	362.2
150°	384.0	382.0	379.0	*376.1*	372.1	365.2	360.2	357.3	350.3	341.4	326.6
152.5°	344.4	344.4	342.4	*338.5*	335.5	330.5	326.6	322.6	317.7	307.8	295.9
155°	310.8	310.8	307.8	*305.8*	303.8	299.9	295.9	291.9	286.0	278.1	269.2
157.5°	283.0	283.0	281.1	*280.1*	276.1	274.1	270.2	266.2	260.3	253.4	245.4
160°	257.3	258.3	257.3	*256.3*	253.4	250.4	246.4	242.5	237.5	231.6	225.6
162.5°	236.5	237.5	235.5	*234.5*	232.6	229.6	225.6	223.7	219.7	212.8	206.8
165°	218.7	218.7	217.7	*216.7*	215.7	211.8	209.8	207.8	203.9	198.9	194.0
167.5°	204.9	204.9	203.9	*203.9*	201.9	199.9	196.9	195.0	191.0	188.0	182.1
170°	193.0	193.0	192.0	*191.0*	190.0	188.0	186.1	183.1	181.1	177.1	174.2
172.5°	183.1	183.1	182.1	*181.1*	181.1	178.1	177.1	175.2	173.2	170.2	167.3
175°	175.2	174.2	174.2	*173.2*	172.2	170.2	169.2	168.2	166.3	165.3	163.3
177.5°	168.2	168.2	167.3	*167.3*	166.3	164.3	164.3	163.3	162.3	161.3	160.3
180°	159.3	159.3	159.3	*159.3*	159.3	159.3	159.3	159.3	159.3	159.3	159.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
2.5°	107.9	104.9	97.0	90.1	85.1	78.2	72.2	70.3	69.3	68.3	68.3
5°	118.8	112.8	99.0	86.1	74.2	64.3	55.4	46.5	39.6	35.6	33.6
7.5°	149.4	142.5	123.7	106.9	90.1	75.2	60.4	49.5	39.6	33.6	33.6
10°	190.0	180.1	156.4	132.6	111.8	90.1	72.2	57.4	48.5	43.5	43.5
12.5°	232.6	219.7	192.0	161.3	132.6	107.9	86.1	70.3	60.4	56.4	56.4
15°	283.0	266.2	230.6	192.0	157.4	127.7	102.9	85.1	73.2	68.3	67.3
17.5°	331.5	309.8	267.2	223.7	182.1	146.5	117.8	95.0	82.1	75.2	74.2
20°	383.0	356.3	305.8	252.4	204.9	161.3	126.7	101.9	85.1	77.2	76.2
22.5°	430.5	401.8	341.4	279.1	222.7	172.2	131.6	102.9	84.1	75.2	74.2
25°	484.9	452.3	381.0	307.8	241.5	181.1	135.6	102.9	83.1	73.2	72.2
27.5°	540.4	501.8	421.6	336.5	258.3	191.0	138.6	102.9	81.2	71.3	70.3
30°	598.7	556.2	460.2	366.2	276.1	198.9	141.5	101.9	80.2	69.3	68.3
32.5°	658.1	608.6	502.7	394.9	293.9	206.8	143.5	101.9	78.2	68.3	66.3
35°	718.5	661.1	545.3	424.6	309.8	213.8	144.5	100.9	77.2	66.3	65.3
37.5°	771.9	712.5	584.9	451.3	324.6	218.7	145.5	100.0	76.2	65.3	64.3
40°	826.4	762.0	622.5	475.0	335.5	221.7	144.5	99.0	74.2	64.3	63.3
42.5°	875.8	806.6	657.1	497.8	345.4	224.7	143.5	97.0	73.2	63.3	62.3
45°	923.3	850.1	689.8	517.6	354.3	225.6	141.5	96.0	72.2	63.3	62.3
47.5°	966.9	887.7	721.5	536.4	362.2	225.6	140.5	94.0	72.2	63.3	62.3
50°	1003.5	925.3	747.2	553.2	367.2	224.7	138.6	93.0	72.2	63.3	62.3
52.5°	1039.1	956.0	772.9	566.1	370.1	222.7	135.6	92.0	72.2	64.3	63.3
55°	1067.8	983.7	794.7	579.9	373.1	220.7	133.6	91.0	72.2	64.3	64.3
57.5°	1092.6	1006.5	811.5	588.8	373.1	216.7	131.6	91.0	73.2	66.3	65.3
60°	1116.3	1027.3	829.3	596.8	373.1	213.8	129.6	91.0	74.2	67.3	66.3
62.5°	1132.2	1044.1	843.2	603.7	371.1	210.8	127.7	91.0	75.2	69.3	68.3
65°	1148.0	1059.9	856.0	609.6	370.1	207.8	127.7	92.0	77.2	72.2	71.3
67.5°	1159.9	1072.8	865.0	613.6	368.2	204.9	126.7	94.0	80.2	75.2	74.2
70°	1169.8	1082.7	875.8	616.6	366.2	202.9	127.7	97.0	83.1	78.2	78.2
72.5°	1177.7	1091.6	881.8	619.5	364.2	201.9	129.6	100.0	88.1	83.1	82.1
75°	*1182.6*	*1096.5*	*887.7*	*620.5*	*362.2*	*200.9*	*131.6*	*103.9*	*92.0*	*88.1*	*87.1*
76°	1183.6	1098.5	889.7	621.5	361.2	200.9	132.6	104.9	94.0	90.1	89.1
77.5°	1186.6	1101.5	891.7	621.5	360.2	200.9	134.6	107.9	97.0	93.0	93.0
80°	1188.6	1103.5	894.6	622.5	358.3	200.9	137.6	112.8	102.9	99.0	98.0
82.5°	1187.6	1104.5	895.6	620.5	357.3	201.9	141.5	117.8	108.9	104.9	103.9
85°	1183.6	1101.5	893.7	617.5	354.3	203.9	145.5	123.7	113.8	109.9	109.9
87.5°	1176.7	1094.6	888.7	613.6	352.3	204.9	149.4	128.7	119.7	115.8	115.8
90°	1166.8	1086.6	882.8	609.6	349.3	205.8	154.4	133.6	125.7	122.7	121.7
92.5°	1154.9	1076.7	874.9	603.7	347.4	207.8	158.3	139.5	131.6	127.7	127.7
95°	1143.0	1065.9	865.9	596.8	345.4	210.8	162.3	144.5	136.6	133.6	133.6
97.5°	1126.2	1051.0	854.1	588.8	342.4	211.8	167.3	149.4	142.5	138.6	138.6
100°	1105.4	1034.2	840.2	580.9	340.4	214.8	171.2	154.4	147.5	144.5	143.5
102.5°	1084.7	1014.4	825.4	572.0	337.5	215.7	175.2	159.3	151.4	148.4	148.4
105°	1060.9	992.6	806.6	560.1	334.5	217.7	178.1	162.3	155.4	152.4	151.4
107.5°	1033.2	964.9	787.8	549.3	331.5	219.7	181.1	165.3	158.3	155.4	154.4

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

Scaled Data Report

REPORT NUMBER: P1045941
CATALOG NUMBER: FFX-CLB-80-740-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	1001.5	939.2	765.0	537.4	329.6	222.7	184.1	167.3	160.3	156.4	156.4
112.5°	964.9	902.6	740.3	523.5	329.6	226.6	186.1	169.2	161.3	157.4	157.4
115°	921.4	864.0	710.6	510.7	328.6	230.6	190.0	170.2	161.3	158.3	157.4
117.5°	878.8	823.4	680.9	497.8	331.5	237.5	194.0	172.2	161.3	157.4	157.4
120°	831.3	780.8	650.2	484.9	335.5	244.4	198.9	173.2	161.3	156.4	156.4
122.5°	781.8	735.3	620.5	473.1	338.5	252.4	202.9	175.2	160.3	155.4	154.4
125°	735.3	688.8	586.9	461.2	341.4	259.3	207.8	176.2	159.3	153.4	152.4
127.5°	683.8	648.2	557.2	448.3	343.4	265.2	211.8	177.1	158.3	151.4	150.4
130°	639.3	604.7	527.5	434.5	341.4	267.2	212.8	176.2	156.4	149.4	149.4
132.5°	589.8	562.1	494.8	416.6	336.5	267.2	213.8	176.2	155.4	148.4	147.5
135°	546.3	520.6	464.1	396.9	327.6	263.2	211.8	175.2	154.4	147.5	146.5
137.5°	505.7	481.0	431.5	376.1	314.7	256.3	207.8	173.2	153.4	146.5	145.5
140°	462.2	444.4	401.8	353.3	300.9	248.4	202.9	171.2	153.4	146.5	145.5
142.5°	422.6	407.7	369.1	328.6	283.0	236.5	196.9	168.2	152.4	146.5	145.5
145°	387.0	370.1	340.4	303.8	265.2	225.6	191.0	166.3	151.4	146.5	145.5
147.5°	352.3	337.5	312.7	281.1	249.4	214.8	185.1	163.3	151.4	146.5	145.5
150°	317.7	307.8	286.0	260.3	231.6	203.9	179.1	161.3	151.4	147.5	146.5
152.5°	288.0	281.1	262.3	241.5	216.7	193.0	173.2	159.3	151.4	147.5	147.5
155°	263.2	256.3	240.5	221.7	203.9	184.1	169.2	157.4	151.4	148.4	147.5
157.5°	238.5	233.6	220.7	206.8	192.0	177.1	165.3	156.4	151.4	148.4	148.4
160°	219.7	214.8	204.9	194.0	182.1	171.2	161.3	154.4	151.4	149.4	149.4
162.5°	203.9	199.9	192.0	183.1	174.2	165.3	158.3	153.4	151.4	149.4	149.4
165°	191.0	188.0	181.1	174.2	168.2	161.3	156.4	153.4	151.4	150.4	150.4
167.5°	180.1	178.1	173.2	168.2	163.3	158.3	154.4	152.4	151.4	151.4	151.4
170°	172.2	170.2	167.3	163.3	159.3	156.4	153.4	152.4	152.4	151.4	152.4
172.5°	166.3	165.3	162.3	159.3	157.4	154.4	153.4	152.4	153.4	153.4	153.4
175°	162.3	161.3	159.3	157.4	156.4	154.4	154.4	153.4	154.4	155.4	155.4
177.5°	159.3	158.3	157.4	157.4	156.4	155.4	155.4	156.4	157.4	157.4	157.4
180°	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3

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

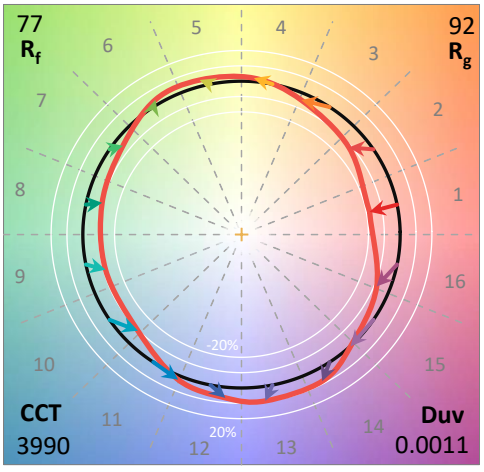
Test Information

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

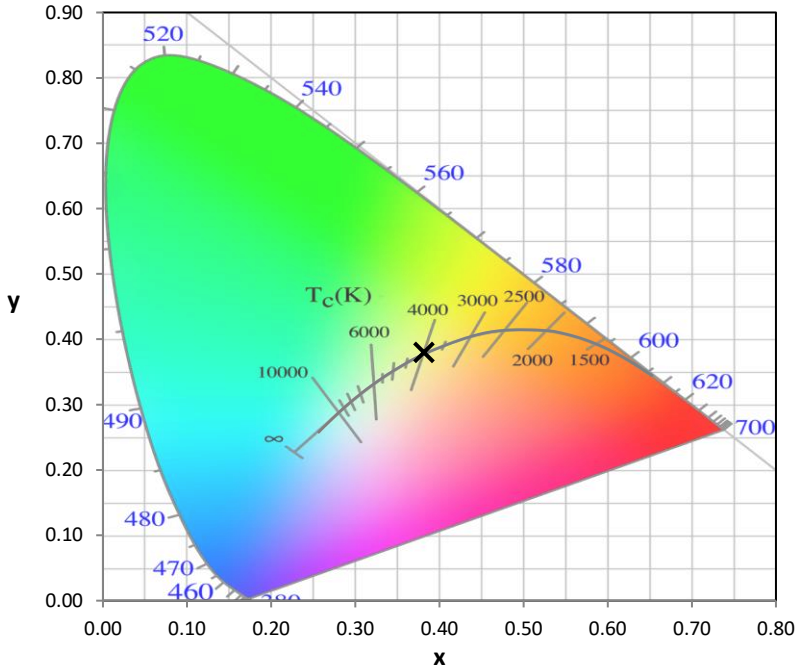
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

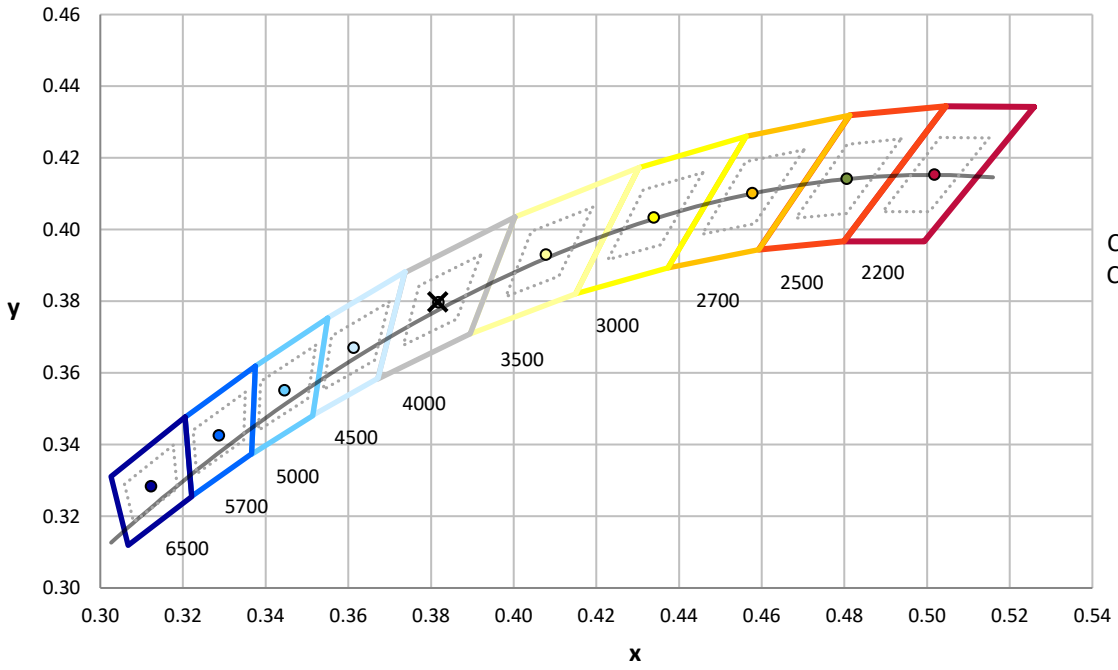
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

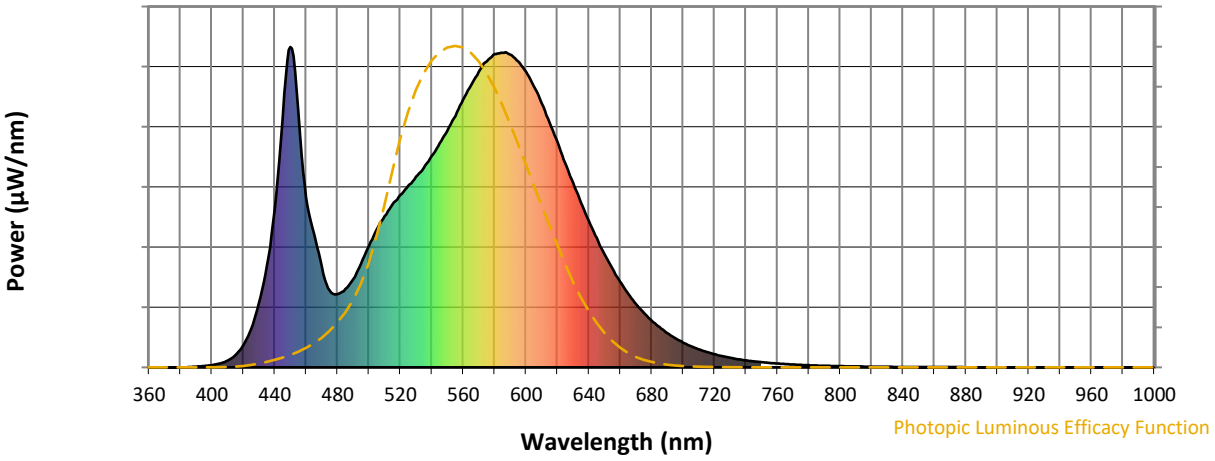


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

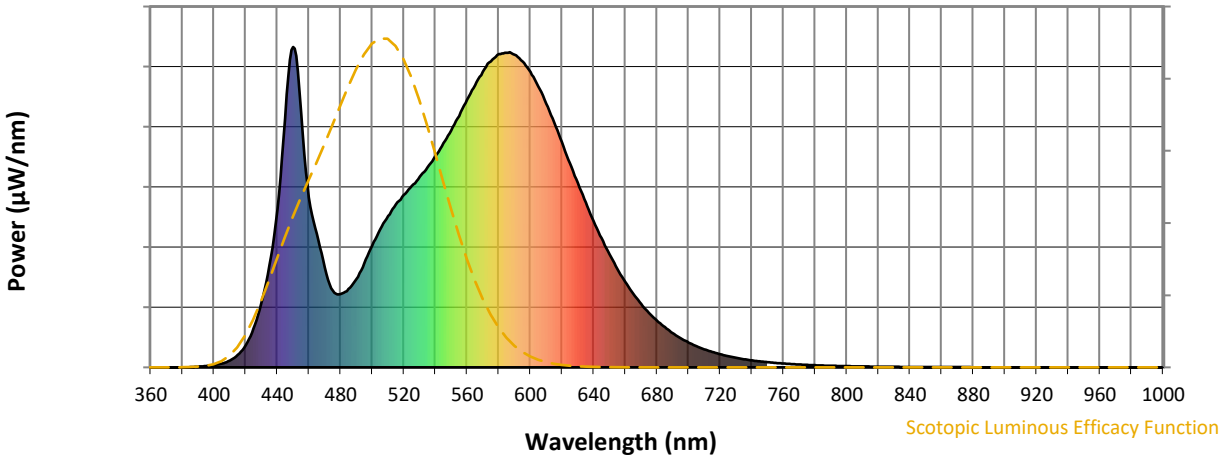


Photopic Lumens: NR

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

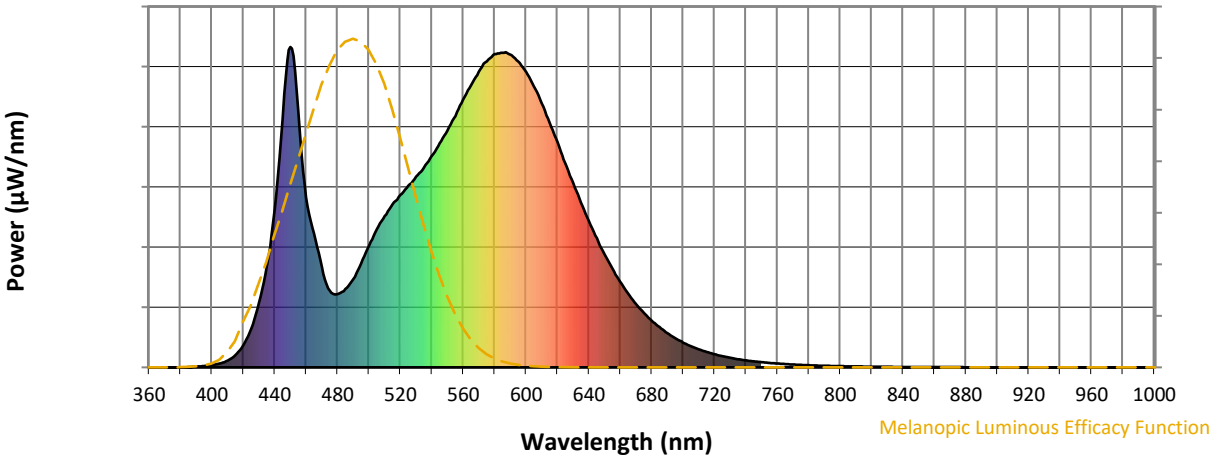


Scotopic Lumens: NR **S/P: 1.59**

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			

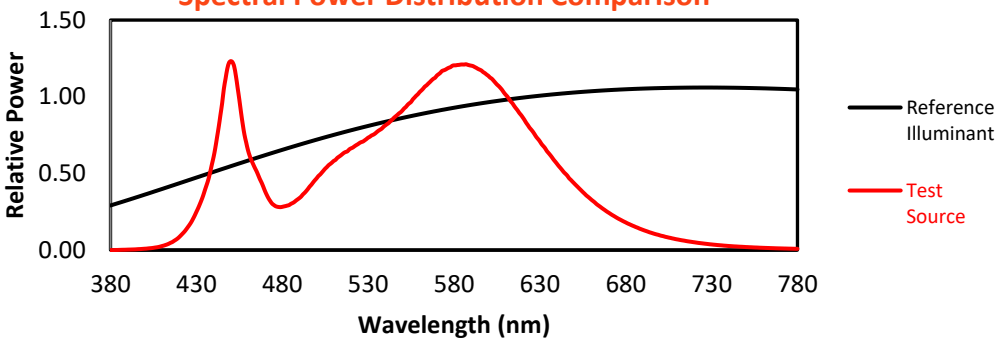
REPORT NUMBER: SP1-2501-332-1

TM-30-18

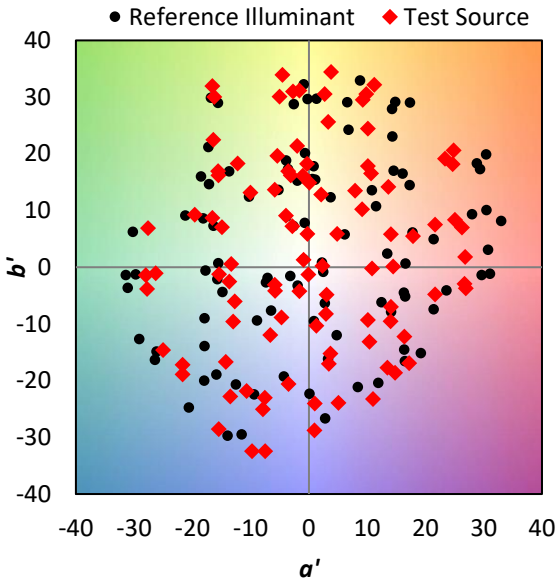
Summary

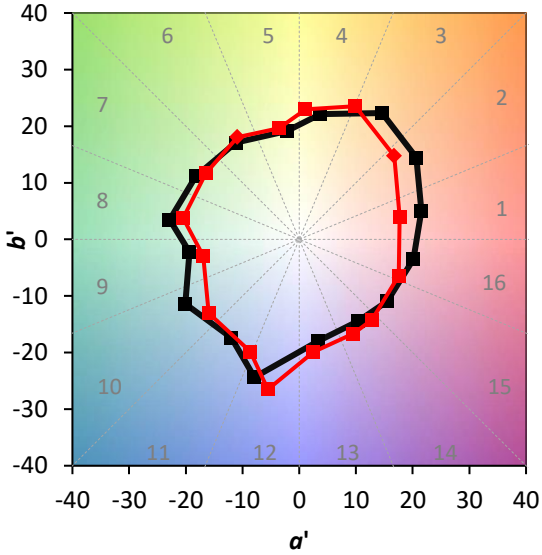
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

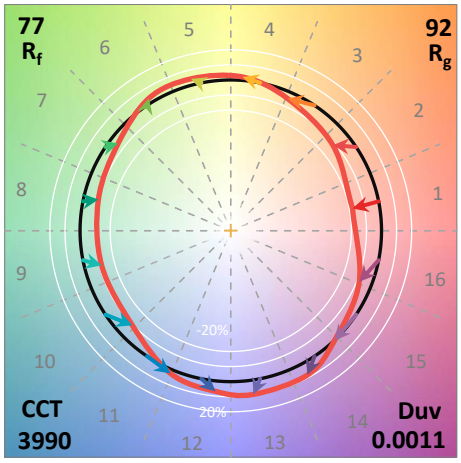
Spectral Power Distribution Comparison

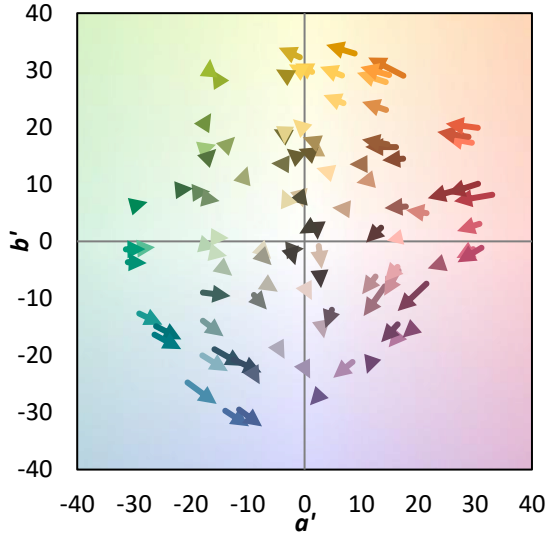


Color Vector Graphics







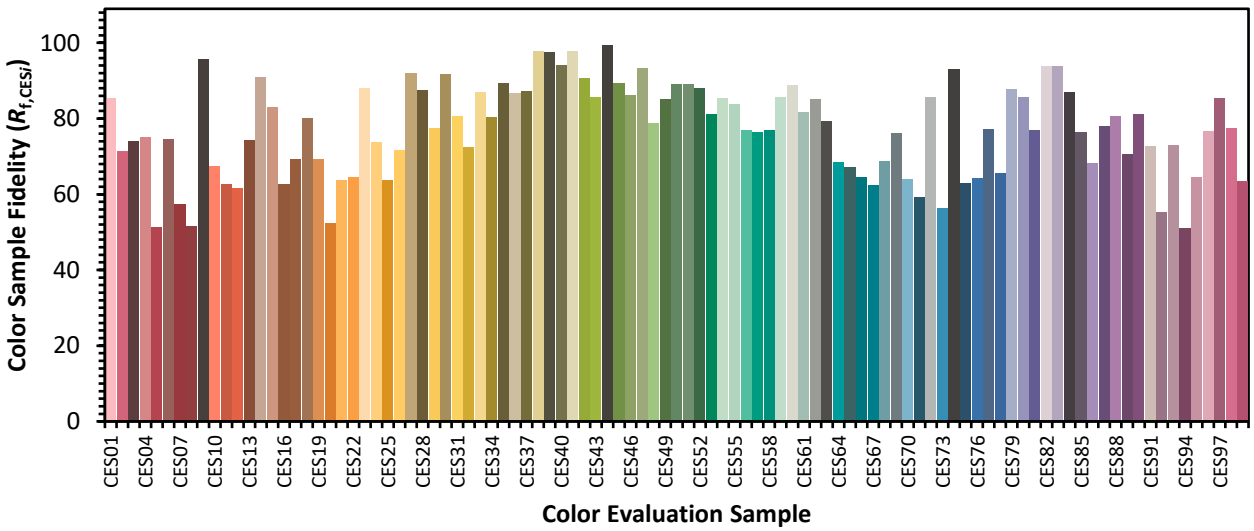


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

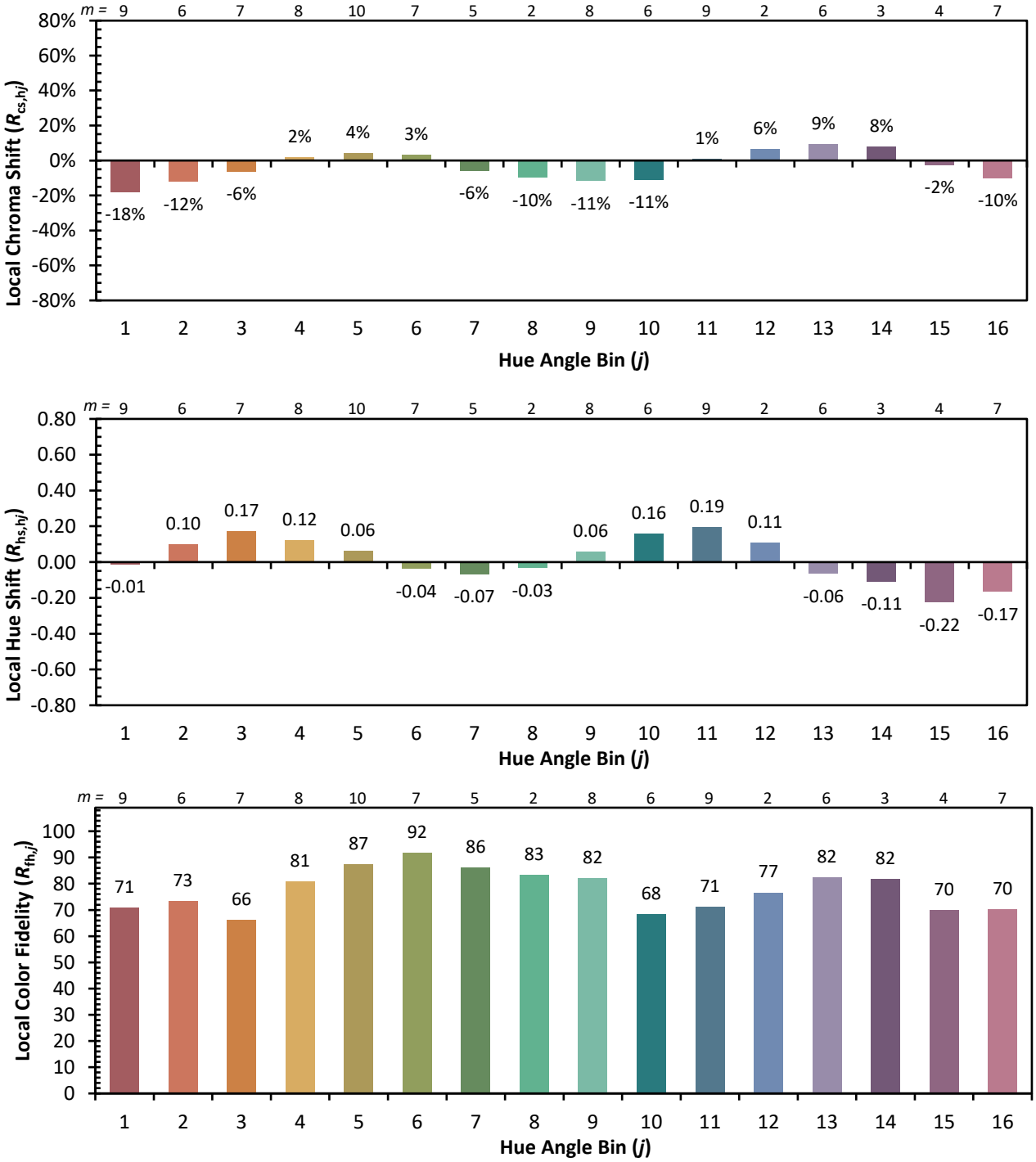
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 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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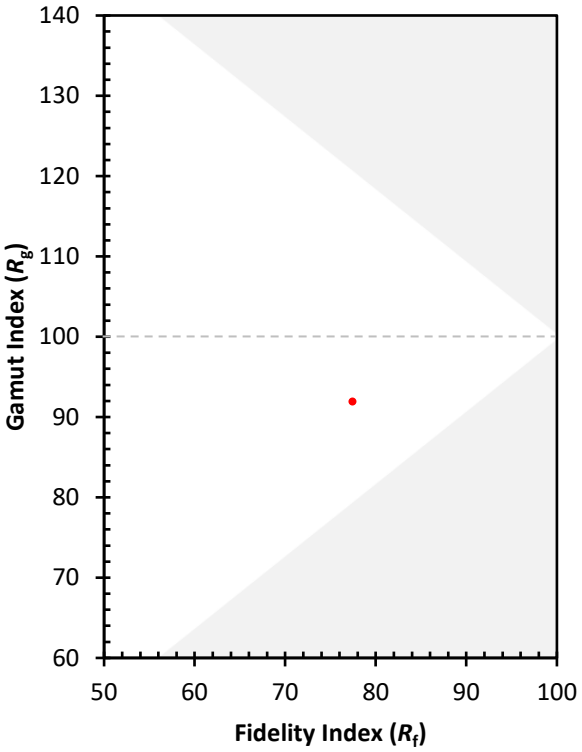
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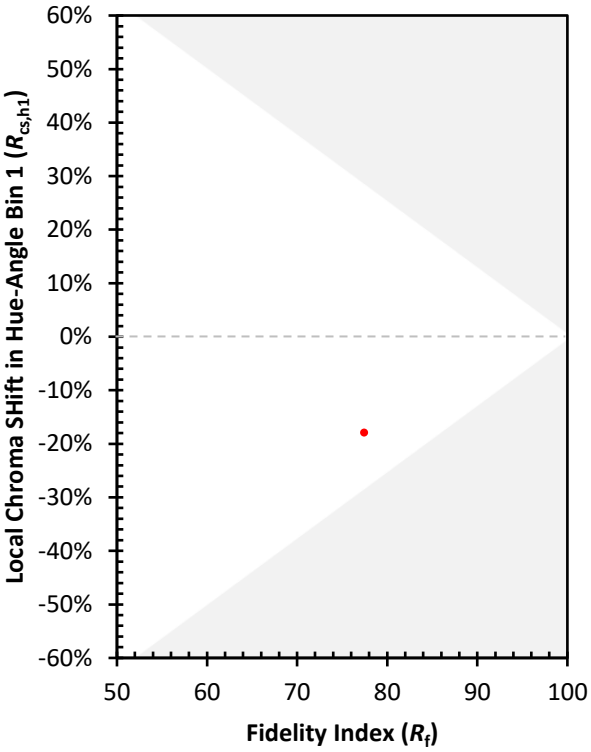


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Measure Comparisons





(END OF REPORT)