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: P1223908

Luminaire Tested: **FFX-CLB-70-740-U-VM9-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223908
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-740-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11180.3 lumens
Efficiency:	N/A
Efficacy:	157.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

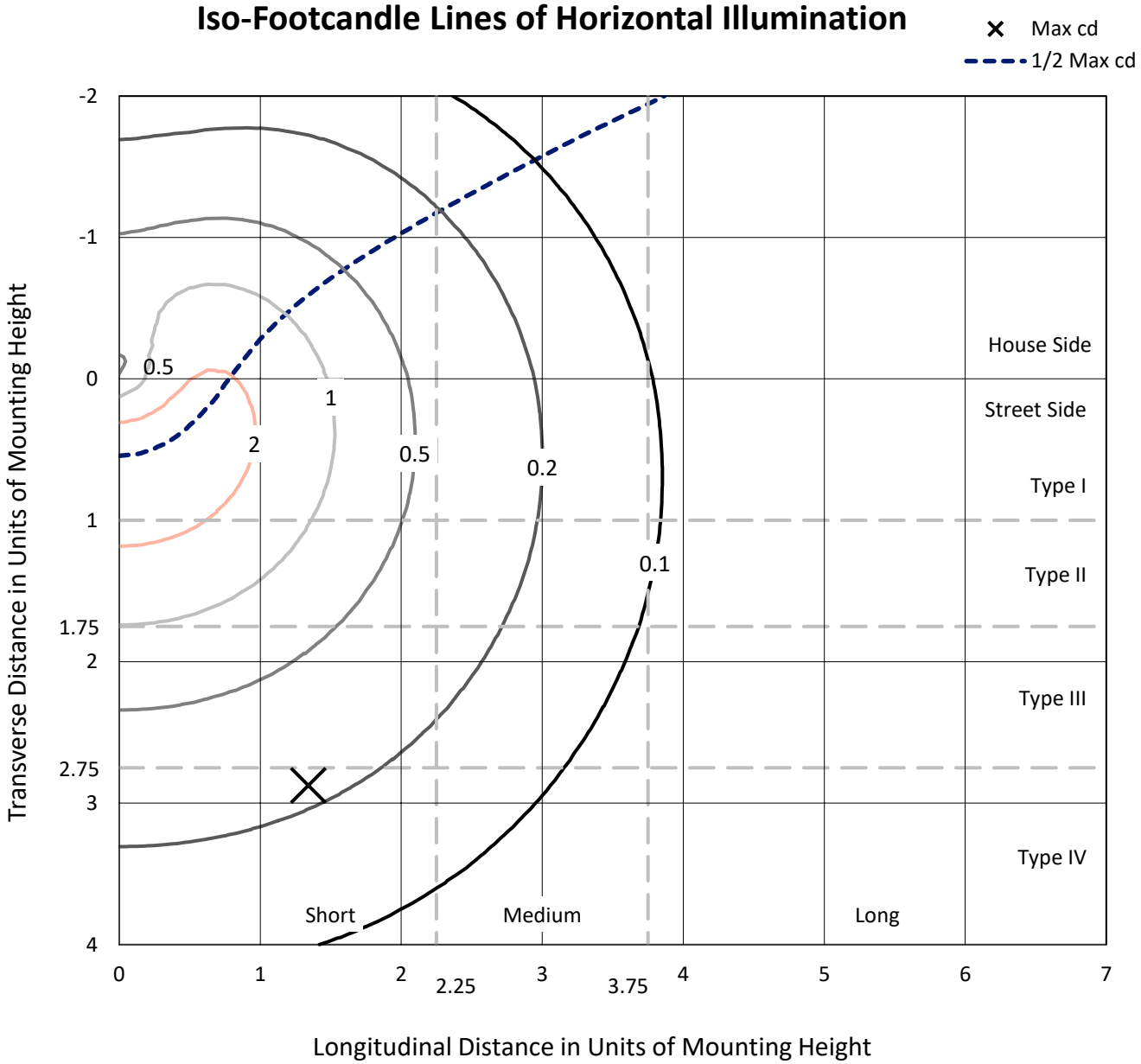


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Iso-Footcandle Lines of Horizontal Illumination



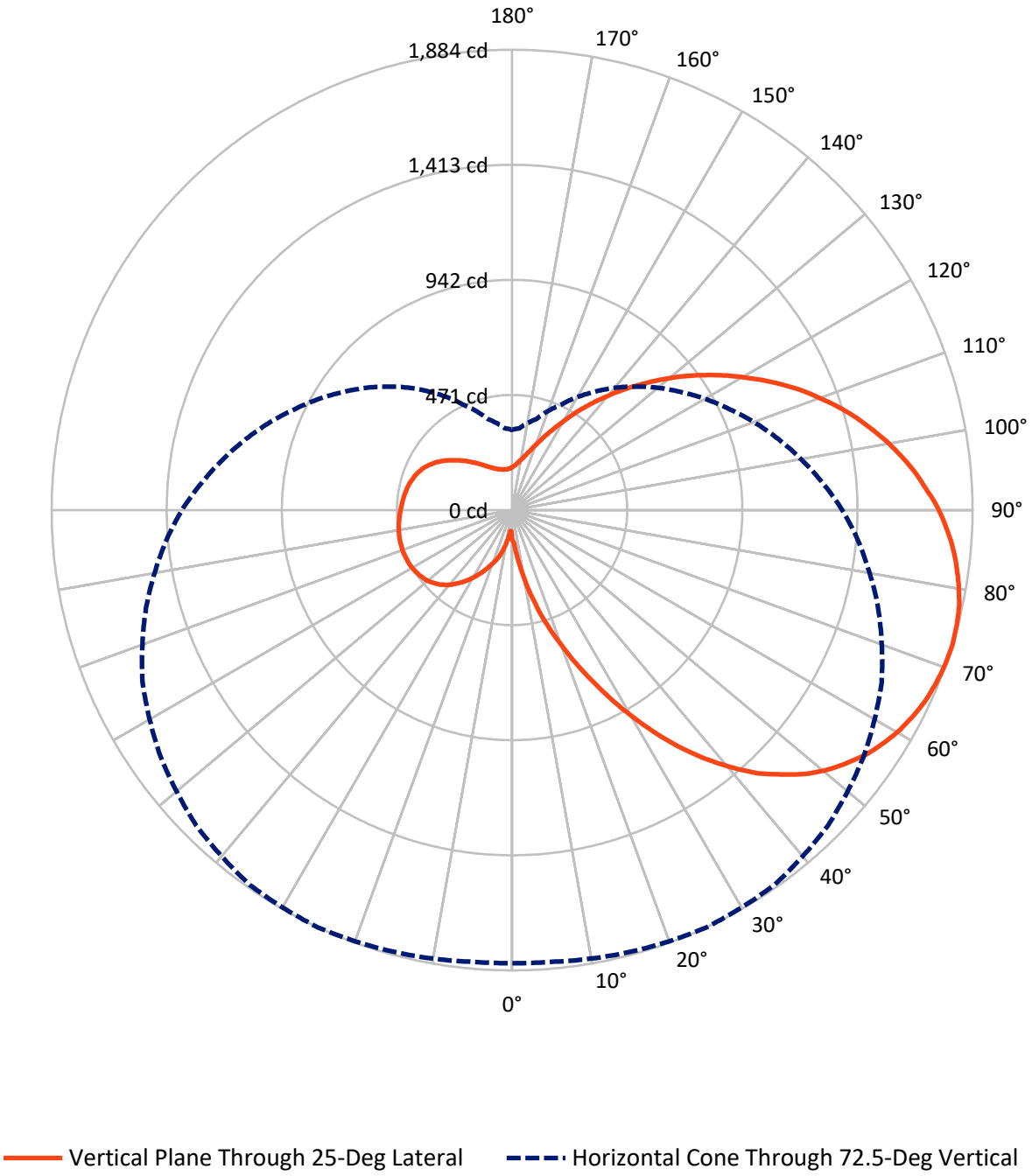
Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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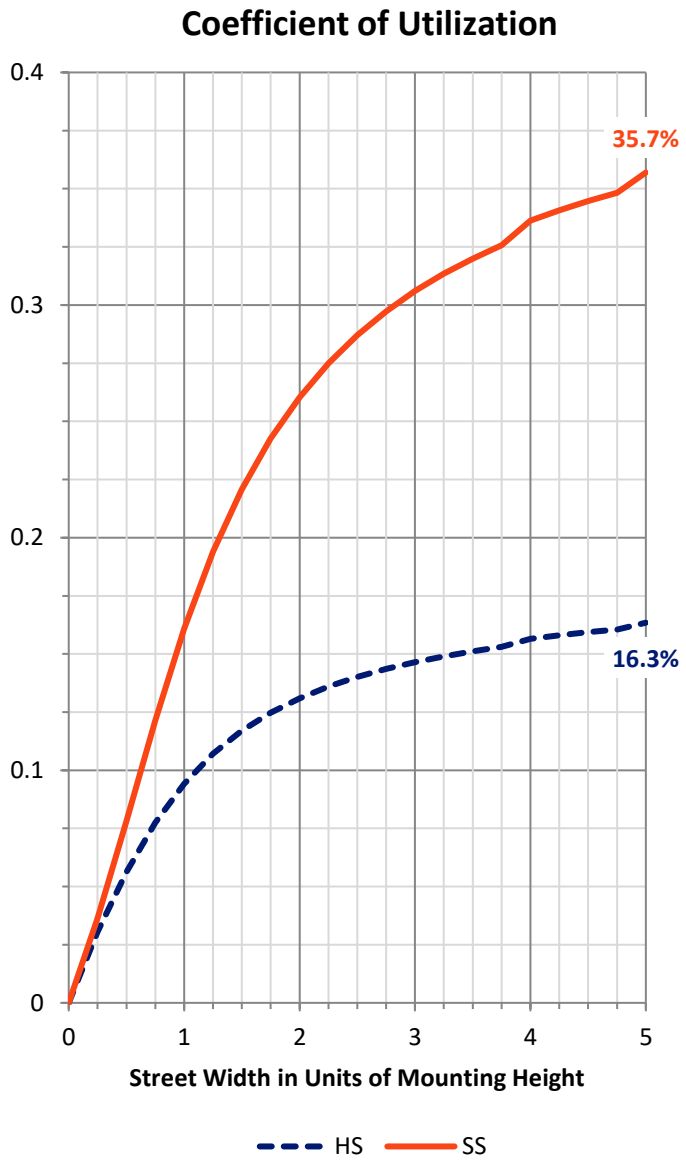
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2014.4	1541.5	3555.9
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	4555.9	3068.5	7624.4
	% Fixture	40.7	27.4	68.2
Total	Lumens	6570.2	4610.0	11180.3
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.1
10°-20°	94.9	0.8
20°-30°	258.6	2.3
30°-40°	512.4	4.6
40°-50°	799.9	7.2
50°-60°	1048.4	9.4
60°-70°	1223.4	10.9
70°-80°	1312.7	11.7
80°-90°	1304.1	11.7
90°-100°	1209.9	10.8
100°-110°	1053.6	9.4
110°-120°	852.4	7.6
120°-130°	627.5	5.6
130°-140°	415.0	3.7
140°-150°	245.5	2.2
150°-160°	129.1	1.2
160°-170°	59.8	0.5
170°-180°	17.2	0.2
0°-90°	6570.2	58.8
0°-180°	11180.3	100.0



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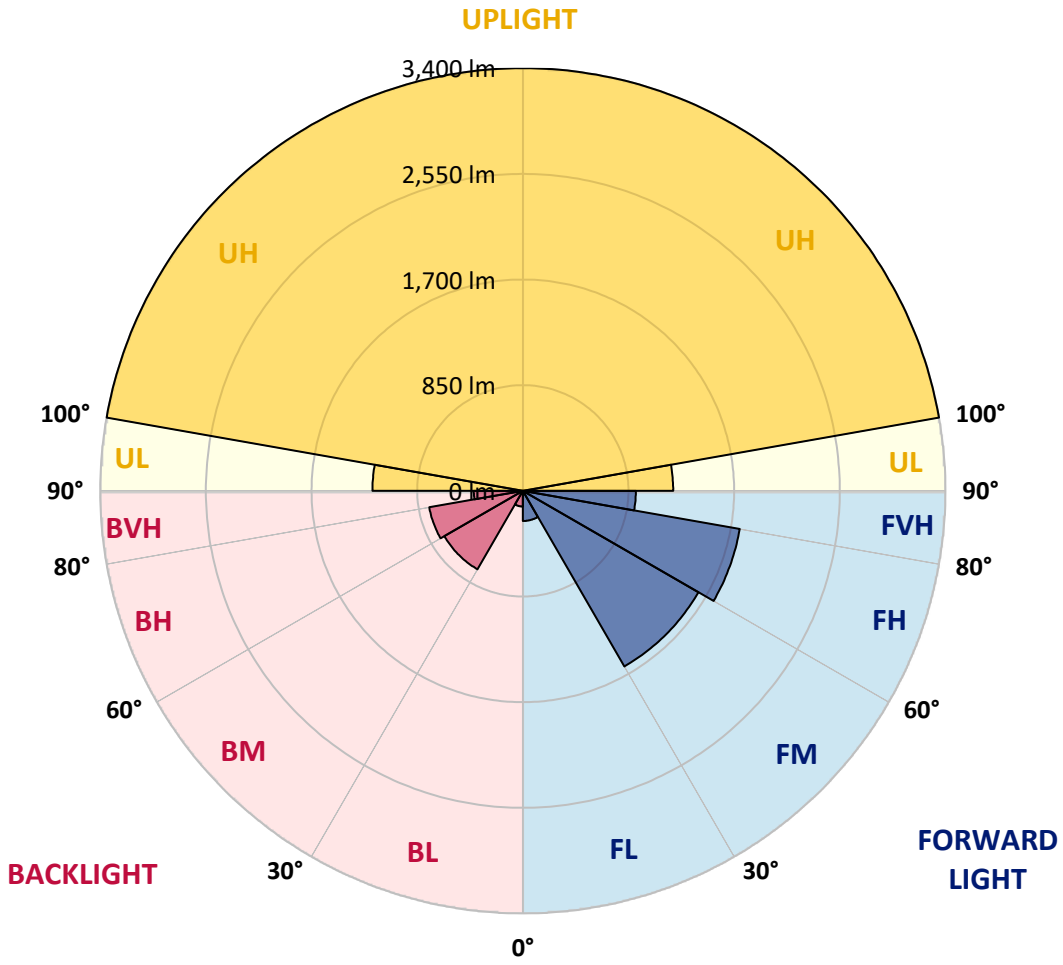
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	242.8	2.2			
FM	(30°-60°)	1631.7	14.6			
FH	(60°-80°)	1772.2	15.9			G1/1800
FVH	(80°-90°)	909.2	8.1			G5
BL	(0°-30°)	126.5	1.1	B1/500		
BM	(30°-60°)	729.0	6.5	B1/1000		
BH	(60°-80°)	764.0	6.8	B2/1000		G2/1000
BVH	(80°-90°)	394.9	3.5			G3/500
UL	(90°-100°)	1209.9	10.8		U5	
UH	(100°-180°)	3400.2	30.4		U5	

BUG Rating: B2-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	121.4	121.4	121.4	*121.4*	121.4	121.4	121.4	121.4	121.4	121.4	121.4
2.5°	130.5	130.5	132.8	*133.5*	134.3	134.3	135.0	134.3	131.3	127.5	125.2
5°	178.0	176.5	175.8	*176.5*	176.5	173.5	169.0	160.7	154.6	144.8	141.1
7.5°	238.4	236.9	234.6	*232.3*	232.3	224.8	217.3	210.5	199.9	186.3	181.8
10°	308.5	305.5	302.5	*298.0*	292.7	285.9	276.1	264.8	250.4	236.1	227.1
12.5°	377.2	376.4	374.9	*368.1*	358.3	352.3	341.7	325.9	307.8	288.2	280.6
15°	456.4	452.6	450.3	*445.1*	439.0	427.0	409.6	394.5	373.4	346.2	337.2
17.5°	529.5	528.0	523.5	*522.0*	512.2	499.4	479.8	457.1	431.5	406.6	393.0
20°	609.5	613.3	608.0	*603.5*	586.1	573.3	555.2	533.3	502.4	466.9	452.6
22.5°	698.5	702.3	694.0	*694.0*	679.7	658.5	632.9	607.2	568.8	531.8	513.7
25°	801.9	803.4	790.5	*785.3*	774.7	753.6	722.7	692.5	648.0	601.2	580.1
27.5°	899.9	902.9	895.4	*888.6*	871.3	850.9	817.0	781.5	731.0	675.1	651.8
30°	1010.8	1004.8	1001.8	*989.7*	971.6	950.5	912.8	873.5	815.4	749.8	721.1
32.5°	1108.9	1104.4	1106.6	*1096.8*	1070.4	1047.0	1011.6	964.0	896.2	827.5	795.1
35°	1210.0	1212.2	1209.2	*1198.6*	1182.8	1151.9	1103.6	1050.0	982.2	901.4	866.7
37.5°	1313.3	1308.0	1304.3	*1295.2*	1279.4	1244.7	1197.1	1136.8	1058.3	973.1	934.6
40°	1402.3	1406.1	1401.6	*1386.5*	1372.1	1333.7	1281.6	1213.0	1132.3	1041.0	996.5
42.5°	1486.8	1485.3	1481.5	*1473.2*	1453.6	1412.9	1361.6	1291.4	1200.2	1099.1	1052.3
45°	1554.7	1556.2	1556.2	*1544.1*	1526.0	1489.1	1430.2	1358.6	1261.3	1154.9	1105.9
47.5°	1619.6	1621.8	1620.3	*1615.0*	1595.4	1551.7	1492.1	1418.2	1314.8	1205.4	1150.4
50°	1676.9	1676.9	1676.1	*1671.6*	1652.8	1610.5	1549.4	1470.2	1363.1	1247.7	1193.4
52.5°	1724.4	1723.7	1724.4	*1719.1*	1699.5	1661.1	1597.7	1513.2	1406.1	1283.1	1230.3
55°	1762.1	1759.9	1765.2	*1762.9*	1745.5	1702.5	1635.4	1553.2	1442.3	1317.1	1261.3
57.5°	1792.3	1791.6	1798.3	*1796.1*	1778.7	1735.7	1669.4	1585.6	1472.5	1345.0	1283.9
60°	1817.2	1815.7	1824.7	*1824.7*	1807.4	1764.4	1698.8	1610.5	1496.6	1366.9	1305.0
62.5°	1834.6	1835.3	1843.6	*1846.6*	1831.5	1787.8	1719.1	1632.4	1516.2	1384.2	1321.6
65°	1846.6	1848.1	1857.9	*1864.0*	1848.9	1805.9	1735.0	1648.2	1532.1	1398.5	1334.4
67.5°	1854.2	1854.9	1868.5	*1874.5*	1862.5	1817.2	1748.6	1659.5	1542.6	1407.6	1344.2
70°	1857.2	1857.9	1873.0	*1882.1*	1870.0	1824.0	1754.6	1665.6	1549.4	1413.6	1349.5
72.5°	*1854.9*	*1856.4*	*1872.3*	*1884.3*	*1872.3*	*1827.0*	*1756.9*	*1668.6*	*1550.9*	*1420.4*	*1351.0*
75°	1847.4	1848.9	1867.0	*1879.1*	1870.0	1823.2	1753.1	1665.6	1548.7	1414.4	1348.8
77.5°	1834.6	1836.8	1855.7	*1870.8*	1860.2	1815.7	1745.5	1657.3	1540.4	1406.8	1340.5
80°	1815.7	1816.5	1837.6	*1852.7*	1845.1	1800.6	1730.5	1643.0	1526.8	1394.0	1329.1
82.5°	1791.6	1794.6	1814.9	*1831.5*	1824.7	1778.7	1710.8	1624.8	1509.4	1378.2	1312.6
85°	1765.9	1768.9	1787.8	*1805.9*	1797.6	1754.6	1686.7	1601.5	1486.1	1356.3	1293.7
87.5°	1735.0	1737.2	1755.4	*1774.2*	1766.7	1723.7	1658.0	1574.3	1461.9	1335.9	1271.8
90°	1701.0	1703.3	1720.7	*1738.8*	1728.9	1688.2	1624.1	1541.9	1432.5	1308.8	1246.9
92.5°	1664.8	1665.6	1685.2	*1695.0*	1689.7	1653.5	1590.1	1510.9	1401.6	1280.9	1222.8
95°	1624.1	1624.1	1643.0	*1653.5*	1644.5	1610.5	1550.9	1471.7	1365.4	1252.2	1192.6
97.5°	1579.6	1581.1	1595.4	*1606.0*	1603.0	1567.5	1510.9	1435.5	1333.7	1221.3	1164.7
100°	1533.6	1533.6	1546.4	*1555.5*	1548.7	1520.0	1466.4	1397.0	1293.7	1188.1	1133.0
102.5°	1485.3	1484.5	1495.1	*1501.9*	1497.4	1471.0	1421.2	1352.5	1256.0	1153.4	1101.3
105°	1431.7	1429.5	1440.0	*1447.6*	1443.1	1419.7	1377.4	1311.0	1217.5	1119.4	1069.7
107.5°	1374.4	1378.2	1384.2	*1388.7*	1385.0	1364.6	1324.6	1265.8	1177.5	1084.0	1035.7
110°	1320.1	1322.4	1323.1	*1328.4*	1327.6	1311.0	1277.1	1218.3	1134.5	1046.3	999.5

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REPORT NUMBER: P1223908
CATALOG NUMBER: FFX-CLB-70-740-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1265.0	1264.3	1265.0	*1268.8*	1268.8	1252.2	1219.8	1168.5	1092.3	1006.3	963.3
115°	1205.4	1202.4	1203.2	*1203.9*	1206.9	1194.1	1166.2	1117.9	1043.3	967.1	924.8
117.5°	1143.6	1142.8	1141.3	*1139.1*	1139.1	1133.8	1109.6	1066.6	995.7	920.3	884.8
120°	1084.7	1081.7	1078.0	*1075.7*	1077.2	1071.2	1051.6	1008.6	945.9	878.1	842.6
122.5°	1016.9	1019.1	1016.9	*1013.8*	1014.6	1008.6	992.0	955.7	893.1	828.3	796.6
125°	958.8	958.0	955.0	*950.5*	950.5	948.2	930.1	898.4	842.6	780.7	751.3
127.5°	893.9	894.6	891.6	*889.4*	890.9	886.4	874.3	838.1	789.0	734.0	705.3
130°	832.8	832.0	831.3	*826.8*	830.5	822.2	811.7	781.5	734.7	688.0	661.6
132.5°	775.5	770.9	767.9	*767.2*	766.4	765.7	752.8	726.4	687.2	640.4	614.8
135°	718.1	714.4	710.6	*709.1*	710.6	706.8	695.5	673.6	637.4	592.2	572.5
137.5°	659.3	657.8	657.8	*654.0*	654.0	651.0	641.2	623.1	589.1	549.9	530.3
140°	606.5	603.5	602.0	*599.7*	602.0	598.9	588.4	571.0	542.4	508.4	489.6
142.5°	552.2	549.2	551.4	*549.2*	546.9	545.4	536.3	522.8	497.9	466.9	451.1
145°	501.6	501.6	500.1	*500.9*	499.4	497.9	488.8	476.0	454.9	426.2	414.9
147.5°	454.1	455.6	454.1	*455.6*	455.6	449.6	443.6	433.0	413.4	390.7	378.7
150°	409.6	411.9	410.4	*409.6*	410.4	407.3	399.0	393.0	375.7	356.0	344.0
152.5°	371.9	373.4	373.4	*371.9*	371.1	369.6	361.3	353.0	339.5	324.4	316.1
155°	336.4	336.4	337.2	*337.9*	335.7	331.2	328.1	321.3	309.3	295.7	287.4
157.5°	307.0	306.3	307.0	*306.3*	305.5	301.0	296.5	291.2	281.4	269.3	264.8
160°	279.1	279.1	279.9	*279.1*	276.1	273.8	270.1	265.5	257.2	248.9	242.9
162.5°	256.5	256.5	256.5	*255.7*	252.7	251.9	247.4	242.9	236.1	229.3	224.8
165°	236.9	236.9	236.1	*236.1*	234.6	232.3	228.6	224.8	218.8	213.5	210.5
167.5°	221.0	220.3	219.5	*218.8*	218.0	215.7	212.0	209.7	205.2	200.7	198.4
170°	207.4	207.4	206.7	*206.7*	205.2	202.9	200.7	197.6	194.6	190.1	188.6
172.5°	195.4	195.4	195.4	*195.4*	193.1	192.4	190.1	187.8	185.6	182.6	181.0
175°	186.3	186.3	186.3	*186.3*	184.8	183.3	182.6	180.3	178.8	176.5	175.8
177.5°	179.5	179.5	179.5	*179.5*	178.8	177.3	176.5	175.0	173.5	172.7	172.0
180°	173.5	173.5	173.5	*173.5*	173.5	173.5	173.5	173.5	173.5	173.5	173.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4
2.5°	123.0	118.4	112.4	105.6	100.3	93.5	86.7	83.0	80.7	79.2
5°	137.3	127.5	118.4	108.6	101.1	94.3	86.7	80.7	77.7	76.9
7.5°	175.0	161.4	147.9	135.8	125.2	114.7	107.1	101.1	97.3	97.3
10°	220.3	201.4	185.6	169.7	155.4	142.6	132.0	126.0	121.4	119.9
12.5°	271.6	248.9	227.1	209.0	187.8	173.5	160.7	152.4	147.1	146.3
15°	325.1	301.7	273.8	248.9	225.5	202.9	187.8	175.8	171.2	171.2
17.5°	376.4	346.2	315.3	285.1	256.5	230.1	209.0	195.4	188.6	187.1
20°	431.5	395.3	355.3	319.8	284.4	253.5	228.6	211.2	202.2	201.4
22.5°	488.1	445.8	402.8	356.0	315.3	278.4	248.9	228.6	217.3	215.7
25°	552.9	501.6	450.3	399.0	350.0	306.3	271.6	246.7	233.8	232.3
27.5°	624.6	560.5	499.4	440.5	383.2	334.9	293.4	264.8	248.9	248.2
30°	690.2	619.3	549.9	482.0	419.4	361.3	315.3	282.1	264.8	262.5
32.5°	755.8	677.4	598.9	524.3	451.8	389.2	337.2	298.7	278.4	276.8
35°	823.7	734.7	649.5	563.5	488.1	417.2	357.6	315.3	293.4	290.4
37.5°	887.1	791.3	697.8	606.5	519.7	442.8	377.2	331.2	306.3	302.5
40°	945.2	841.8	741.5	643.5	549.9	466.9	396.0	344.7	316.8	313.8
42.5°	998.7	889.4	781.5	675.9	577.8	488.1	411.9	356.0	325.1	322.1
45°	1049.3	933.9	818.5	706.1	602.0	507.7	427.0	366.6	333.4	328.9
47.5°	1092.3	971.6	847.9	731.7	623.8	524.3	438.3	374.2	339.5	334.9
50°	1130.8	1003.3	875.8	756.6	642.7	539.4	448.8	380.2	342.5	337.9
52.5°	1161.7	1032.7	899.9	776.2	660.0	551.4	456.4	385.5	345.5	341.0
55°	1191.9	1056.8	921.0	793.6	672.9	562.7	462.4	388.5	347.0	341.7
57.5°	1216.8	1077.2	938.4	807.1	685.7	570.3	467.7	390.0	347.0	341.0
60°	1234.9	1093.0	952.0	818.5	694.0	577.1	471.5	390.7	346.2	340.2
62.5°	1250.7	1105.9	961.8	828.3	702.3	582.4	475.2	391.5	344.7	338.7
65°	1262.8	1116.4	970.1	834.3	707.6	586.9	476.0	390.7	342.5	336.4
67.5°	1272.6	1123.2	975.4	839.6	711.3	589.1	477.5	390.0	341.0	334.2
70°	1276.3	1126.2	978.4	841.8	713.6	590.6	477.5	388.5	337.9	331.2
72.5°	*1275.6*	*1126.2*	*979.1*	*842.6*	*714.4*	*591.4*	*476.7*	*386.2*	*335.7*	*328.9*
75°	1273.3	1124.0	977.6	841.8	713.6	590.6	476.0	384.7	333.4	327.4
77.5°	1267.3	1117.9	972.3	838.8	712.1	588.4	473.7	383.2	331.9	324.4
80°	1256.7	1108.9	964.8	832.0	706.8	586.1	471.5	380.2	328.9	322.9
82.5°	1241.6	1097.6	955.7	826.0	702.3	581.6	468.4	378.7	327.4	321.3
85°	1224.3	1083.2	943.7	817.0	695.5	577.1	464.7	375.7	325.9	319.8
87.5°	1203.2	1064.4	931.6	806.4	687.2	571.0	460.9	373.4	325.1	319.1
90°	1181.3	1047.0	916.5	796.6	680.4	565.0	457.1	371.9	324.4	319.1
92.5°	1157.2	1028.2	902.2	783.8	671.4	559.0	453.4	370.4	324.4	319.1
95°	1133.0	1008.6	887.9	772.4	662.3	552.9	449.6	369.6	325.9	320.6
97.5°	1104.4	985.9	870.5	760.4	651.8	546.1	446.6	368.9	326.6	322.1
100°	1077.2	963.3	852.4	746.8	641.9	538.6	442.0	368.1	328.1	322.9
102.5°	1047.8	941.4	834.3	732.5	631.4	530.3	438.3	367.4	329.6	325.1
105°	1018.4	915.0	814.7	715.9	618.6	522.0	433.7	366.6	330.4	325.9
107.5°	985.9	890.1	792.8	700.0	605.7	513.0	427.7	365.1	331.2	326.6
110°	952.7	860.7	770.2	681.9	590.6	501.6	421.7	361.3	330.4	326.6

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

Scaled Data Report

REPORT NUMBER: P1223908
CATALOG NUMBER: FFX-CLB-70-740-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	921.0	832.8	745.3	661.6	574.8	490.3	413.4	357.6	328.1	325.1
115°	881.8	801.1	718.9	639.7	556.7	476.0	404.3	352.3	325.1	321.3
117.5°	845.6	767.9	691.0	616.3	537.8	461.7	393.8	345.5	319.8	316.8
120°	804.9	732.5	660.8	589.9	516.7	445.1	380.9	337.2	313.1	310.8
122.5°	764.9	697.8	629.9	562.7	494.1	426.2	368.1	326.6	305.5	303.2
125°	722.7	660.8	597.4	534.1	469.2	406.6	353.0	314.6	295.7	293.4
127.5°	679.7	622.3	562.7	503.9	445.1	387.0	337.2	302.5	284.4	283.6
130°	634.4	583.1	528.8	474.5	420.2	366.6	320.6	289.7	273.1	271.6
132.5°	593.7	546.1	495.6	444.3	393.0	346.2	304.8	276.1	261.8	260.2
135°	553.7	506.2	462.4	417.2	369.6	325.9	288.9	263.3	250.4	248.9
137.5°	513.0	471.5	430.7	388.5	345.5	306.3	273.8	251.2	239.9	238.4
140°	472.2	437.5	400.6	360.6	323.6	288.2	258.7	239.9	229.3	227.8
142.5°	435.3	402.1	368.9	334.2	301.0	270.8	245.2	227.1	218.0	217.3
145°	399.0	370.4	340.2	309.3	280.6	255.7	232.3	217.3	209.7	209.0
147.5°	366.6	341.0	313.8	287.4	262.5	239.1	220.3	207.4	199.9	199.1
150°	334.2	311.5	288.9	266.3	245.2	225.5	209.0	198.4	193.1	191.6
152.5°	305.5	287.4	267.0	248.2	229.3	212.7	199.9	190.1	185.6	184.8
155°	279.9	264.8	248.2	231.6	216.5	202.9	191.6	184.1	180.3	180.3
157.5°	258.0	245.2	231.6	218.0	205.9	194.6	185.6	179.5	176.5	175.8
160°	238.4	227.1	216.5	206.7	195.4	187.1	180.3	175.0	172.7	172.0
162.5°	220.3	212.7	204.4	196.1	187.8	181.0	175.8	172.0	170.5	170.5
165°	207.4	200.7	193.9	187.8	181.8	177.3	172.7	170.5	169.0	168.2
167.5°	196.1	190.8	186.3	181.8	177.3	173.5	170.5	169.0	167.5	167.5
170°	187.1	183.3	180.3	177.3	174.3	171.2	169.7	168.2	167.5	167.5
172.5°	179.5	177.3	175.0	173.5	171.2	169.7	168.2	167.5	167.5	167.5
175°	175.0	173.5	172.0	171.2	170.5	169.7	169.0	168.2	168.2	168.2
177.5°	172.0	171.2	171.2	170.5	170.5	170.5	170.5	170.5	170.5	170.5
180°	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5

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: SP1-2501-332-1

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

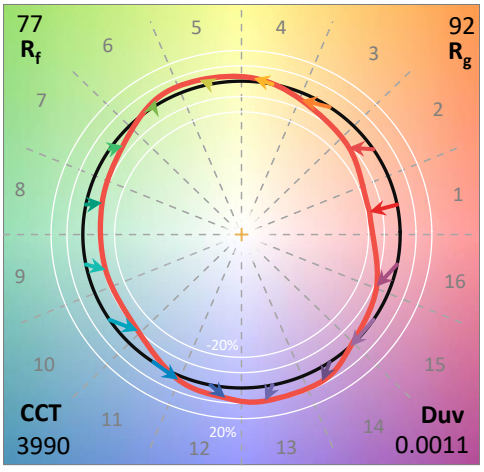
Test Information

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

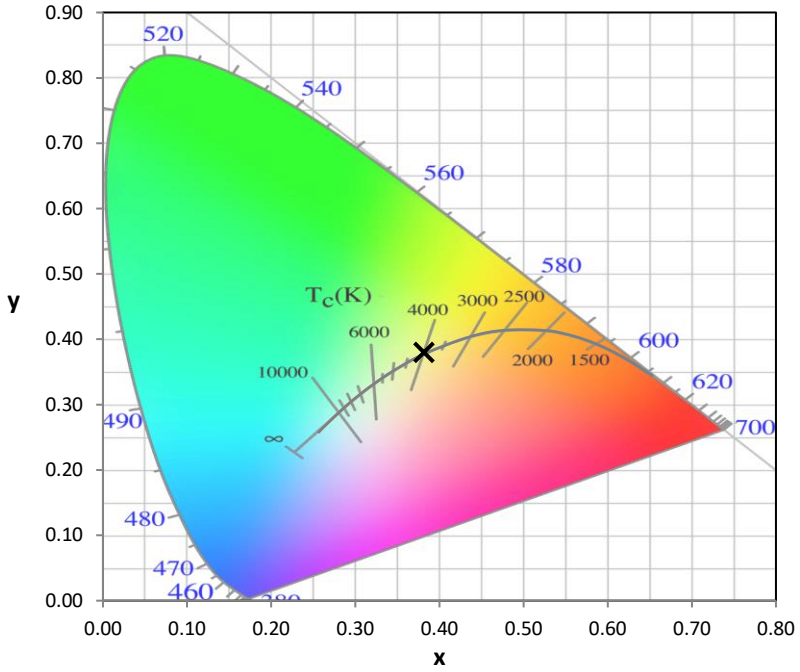
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

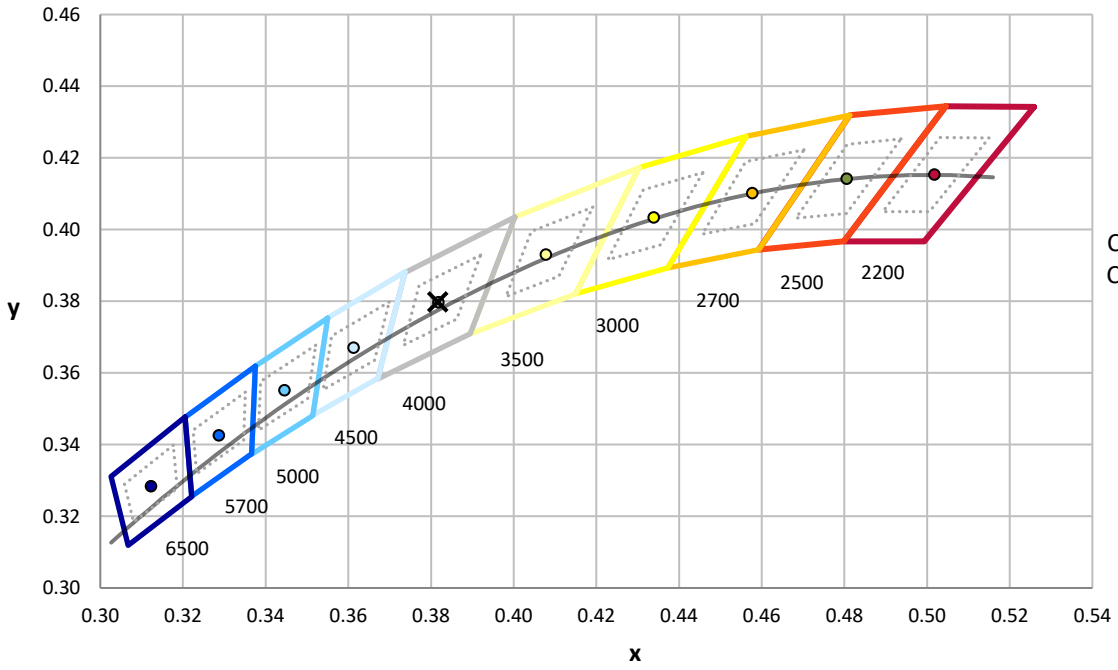
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

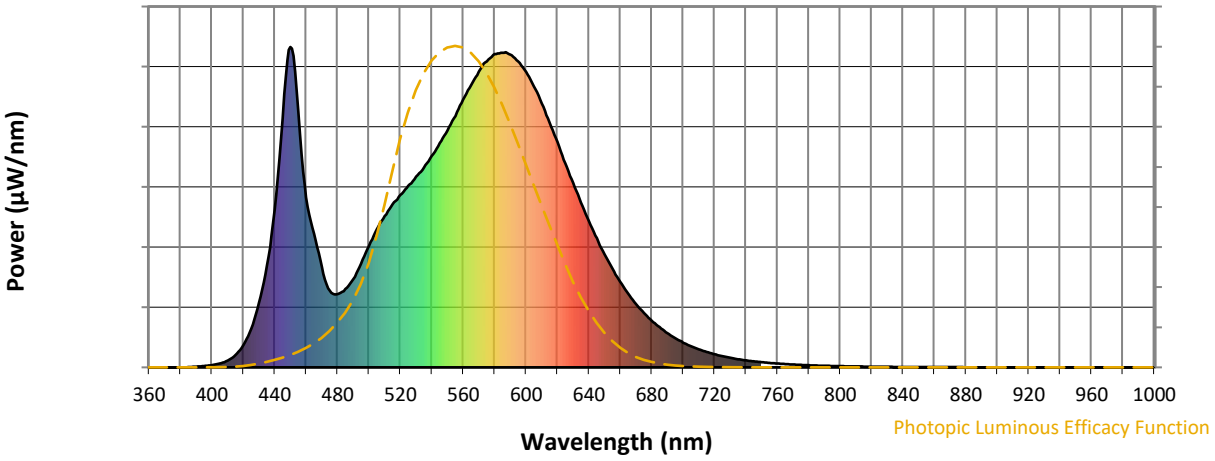


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

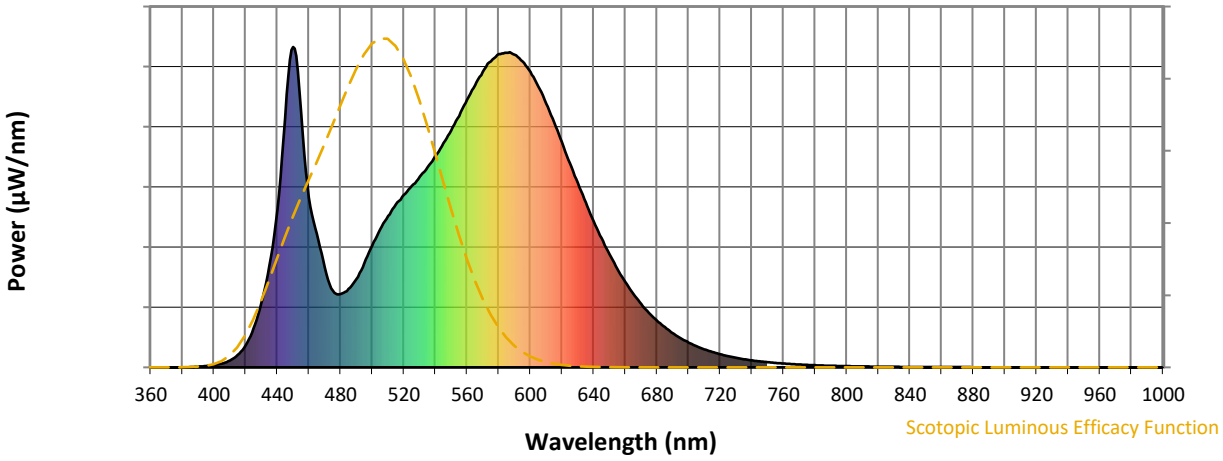


Photopic Lumens: NR

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

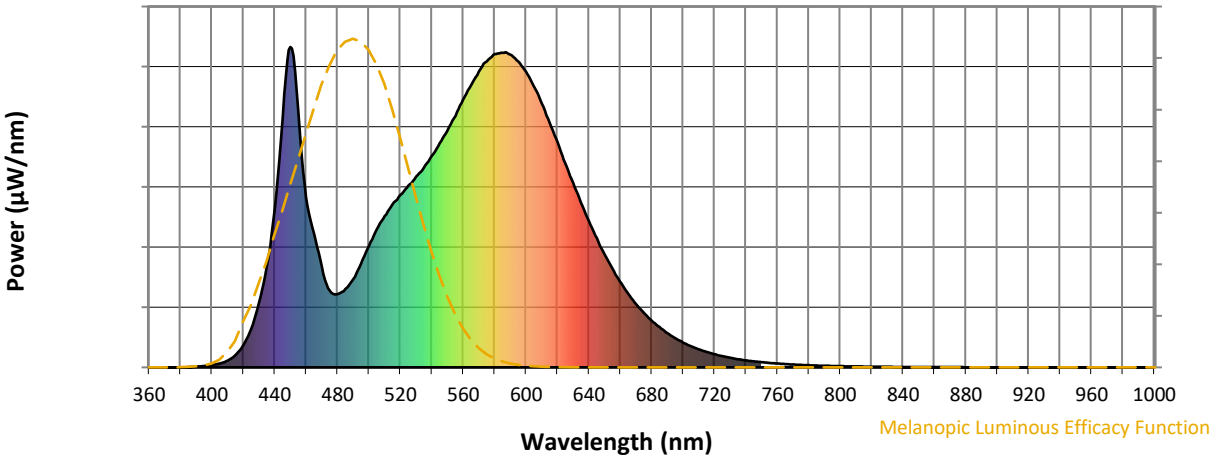


Scotopic Lumens: NR **S/P: 1.59**

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			

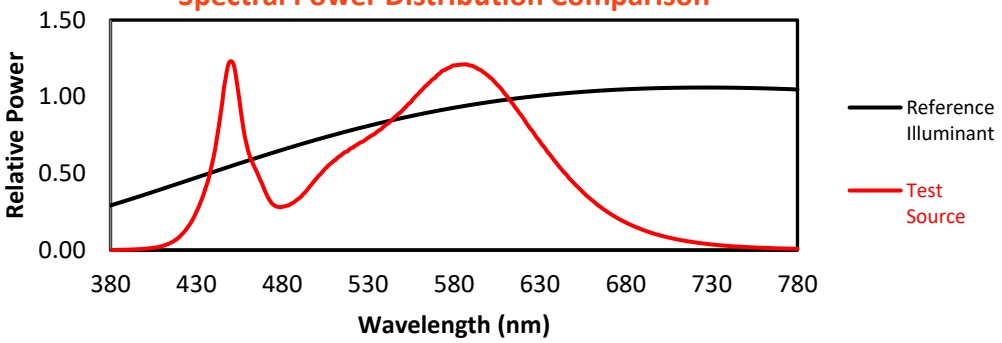
REPORT NUMBER: SP1-2501-332-1

TM-30-18

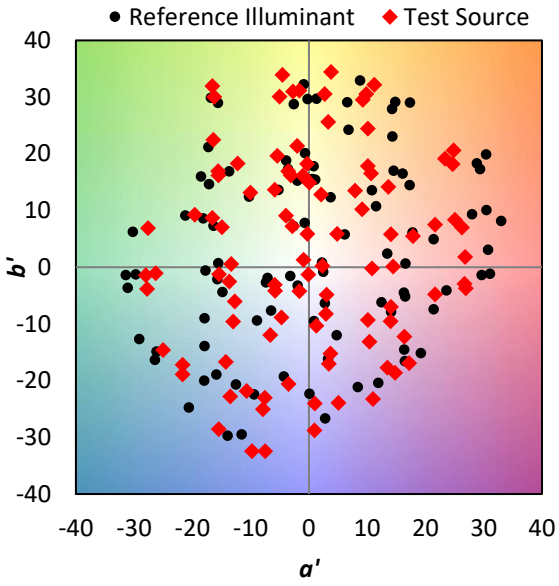
Summary

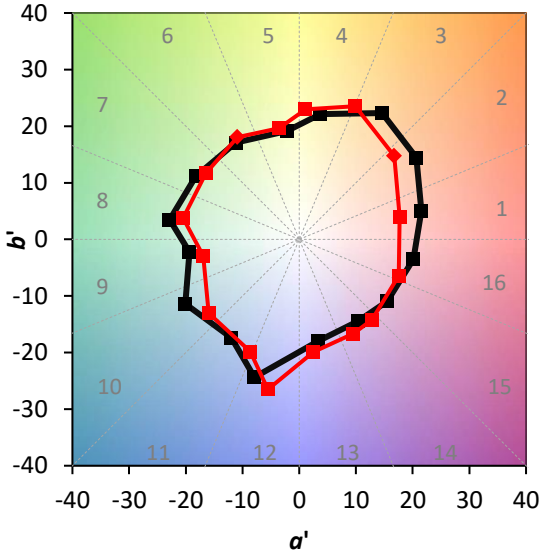
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

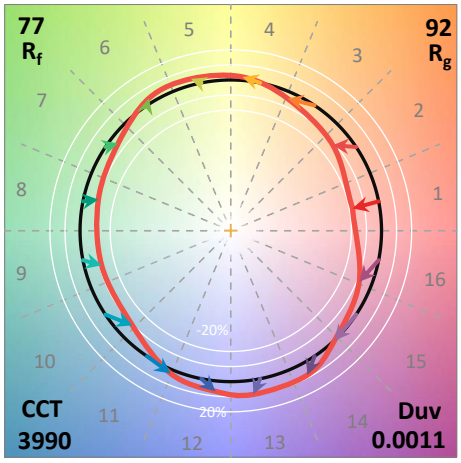
Spectral Power Distribution Comparison

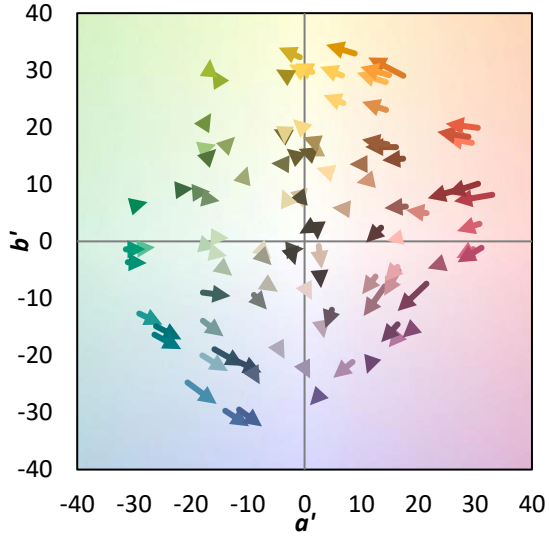


Color Vector Graphics







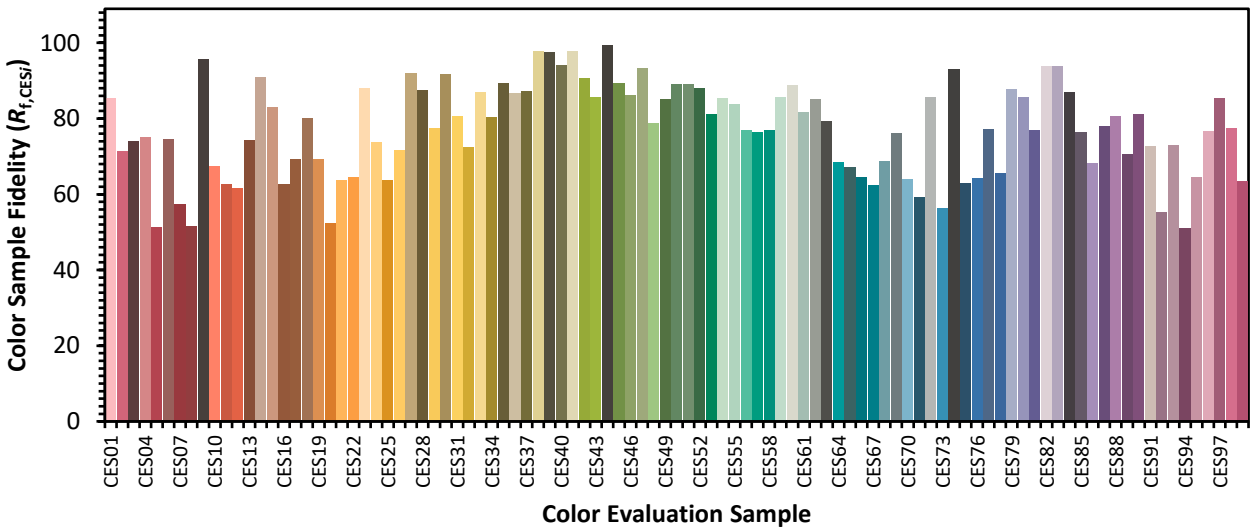


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

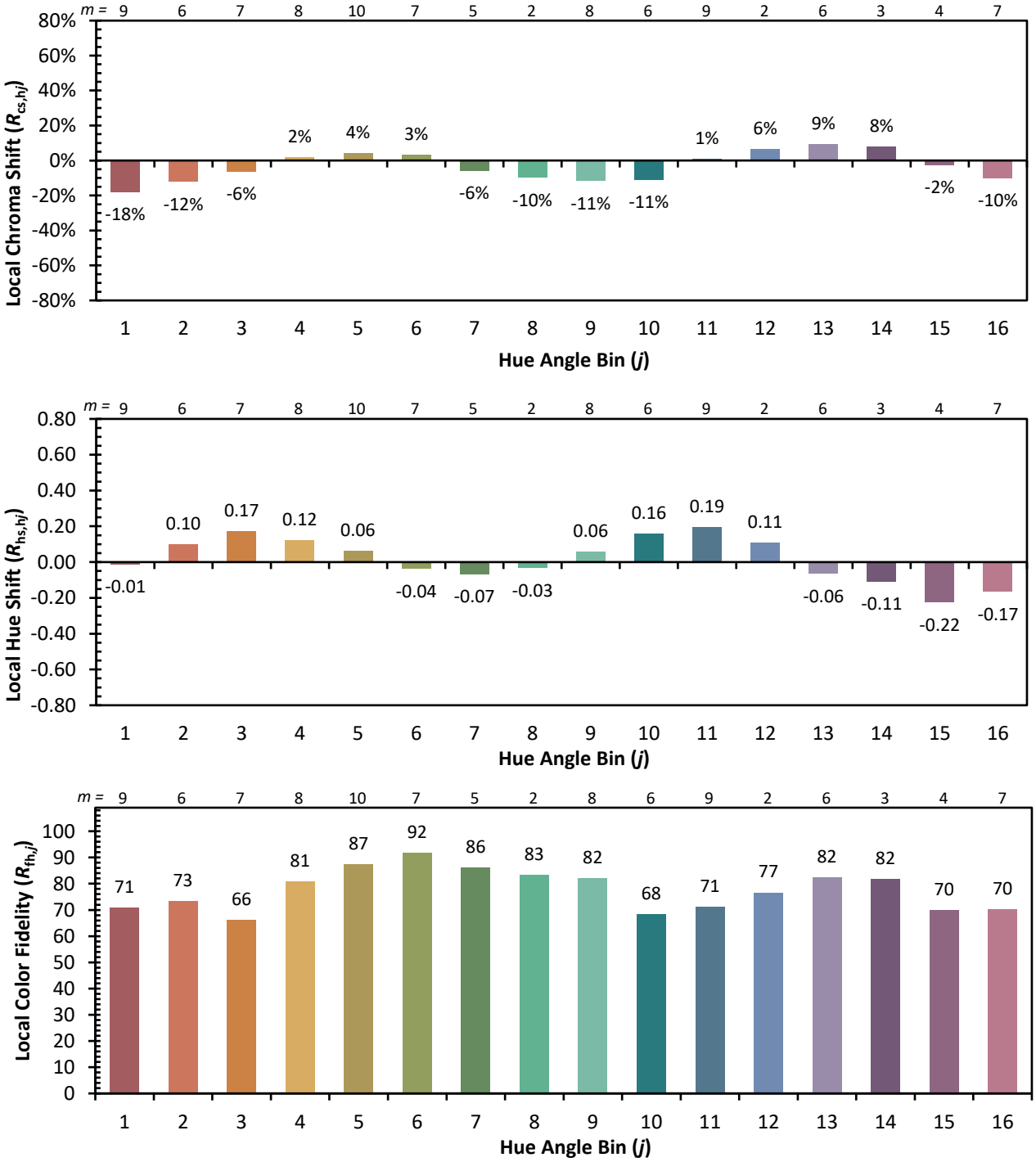
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 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
CES25 = 72	CES50 = 89	CES75 = 63	



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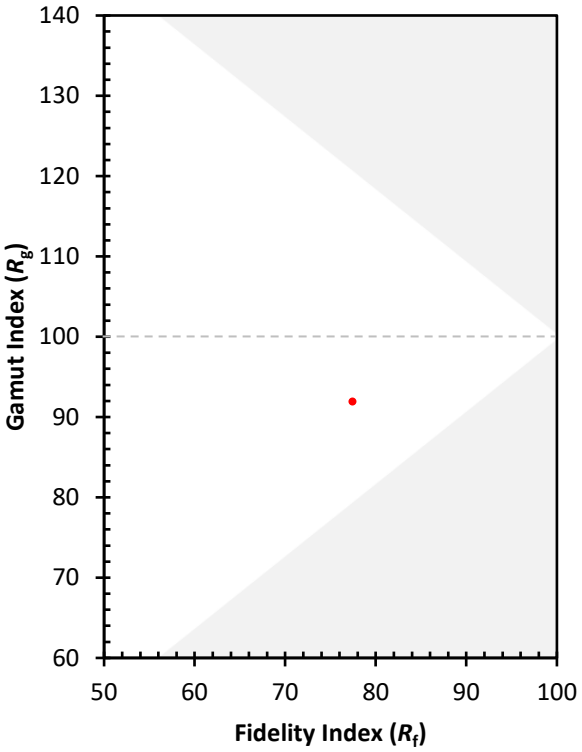
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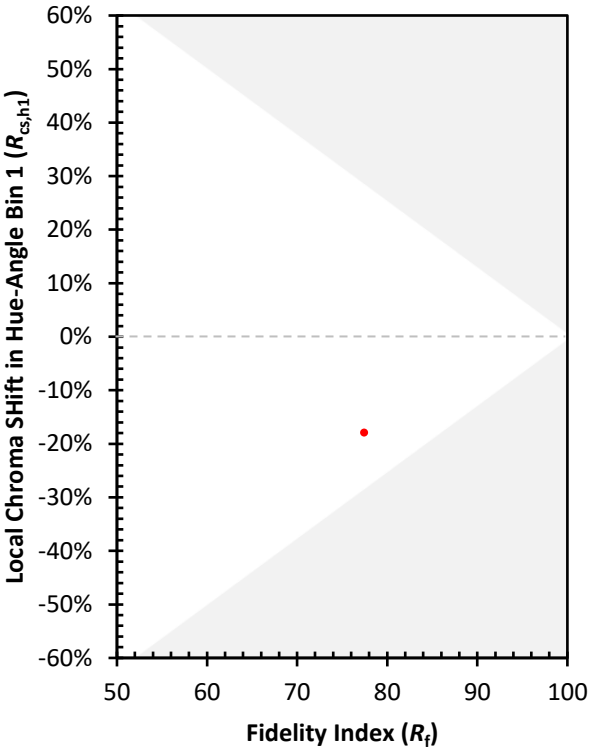


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Measure Comparisons





(END OF REPORT)