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: P1045987

Luminaire Tested: **FFX-CLB-70-740-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045987
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-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC 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:	8018.9 lumens
Efficiency:	N/A
Efficacy:	112.6 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

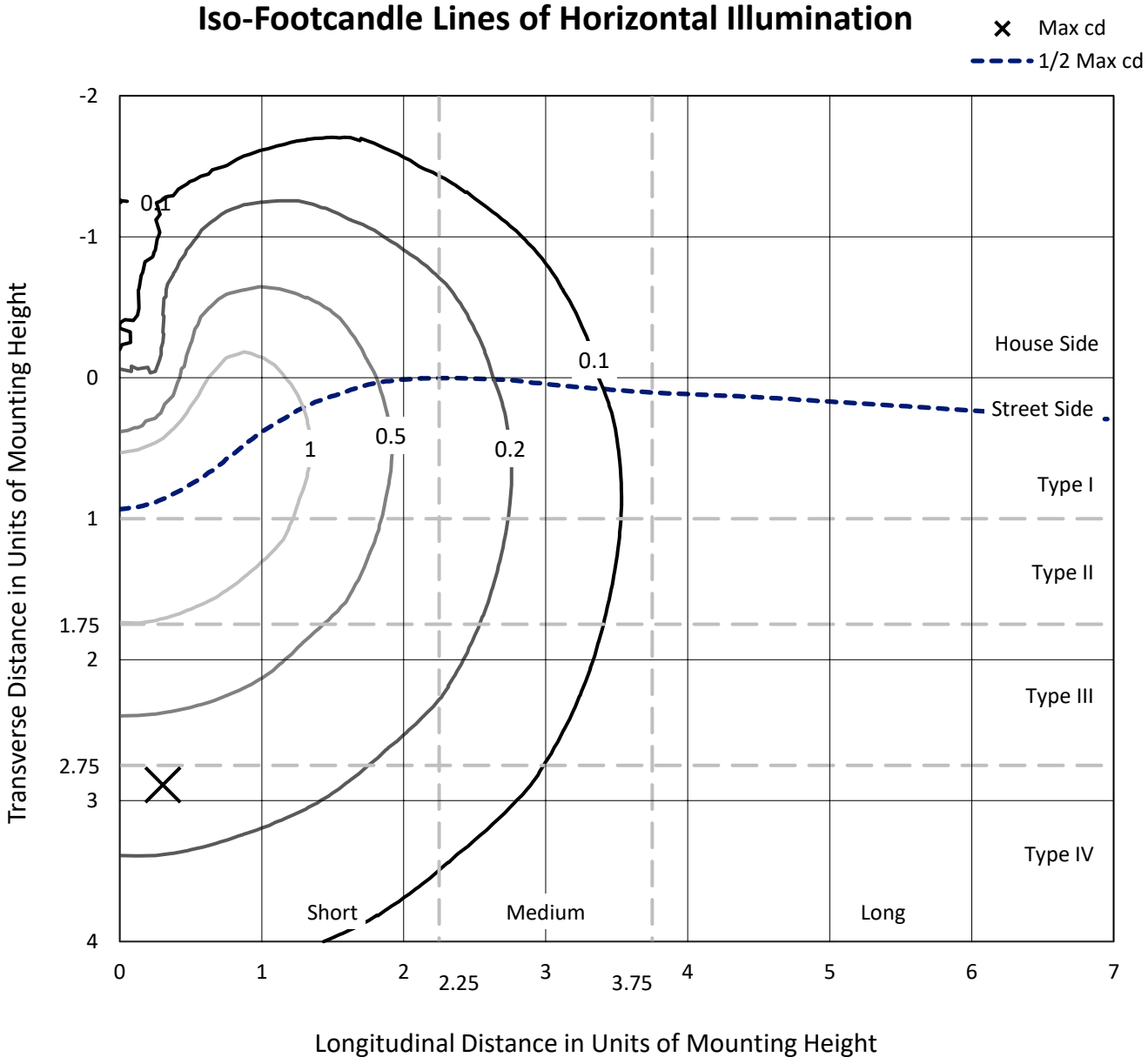


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Iso-Footcandle Lines of Horizontal Illumination



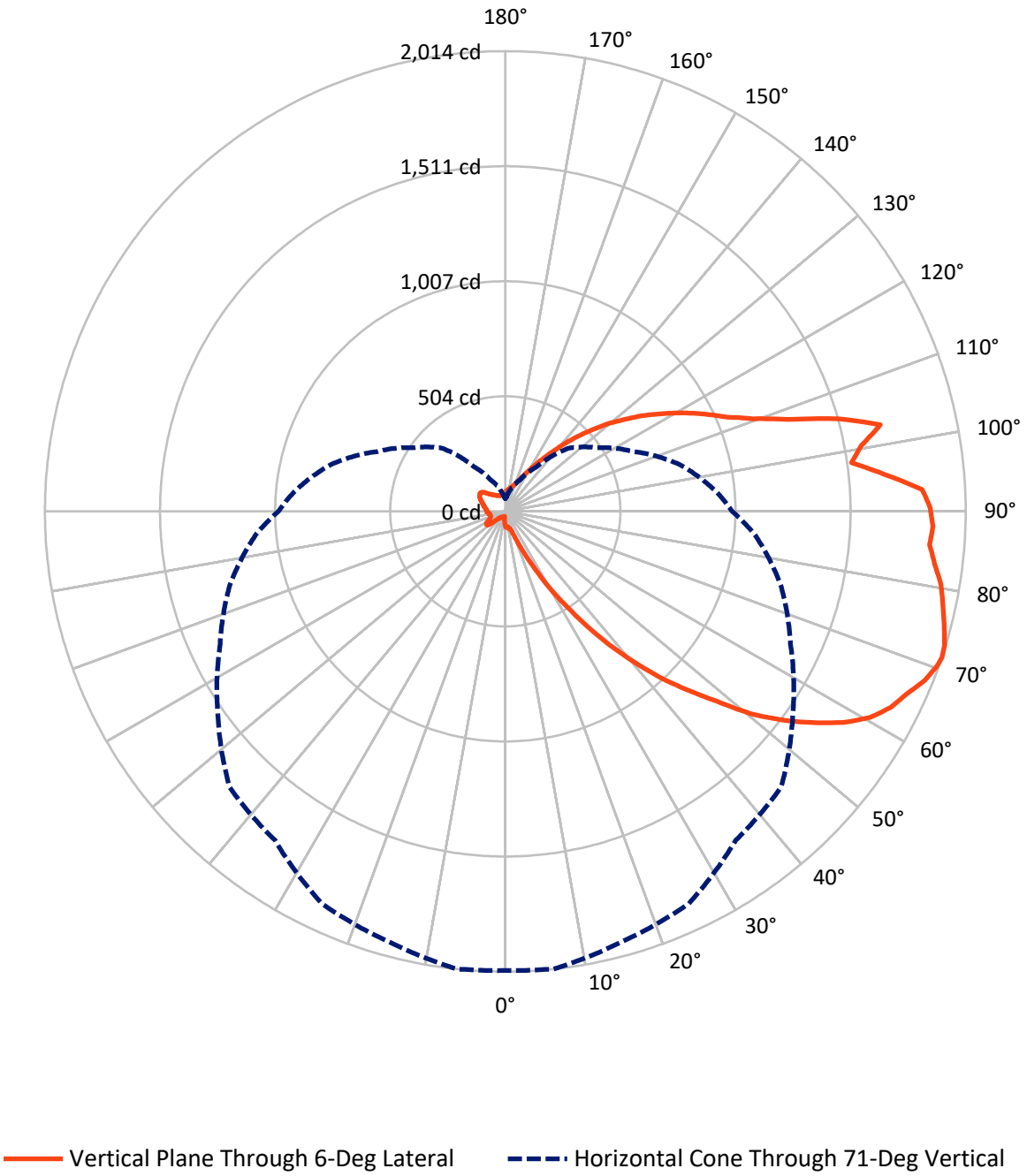
Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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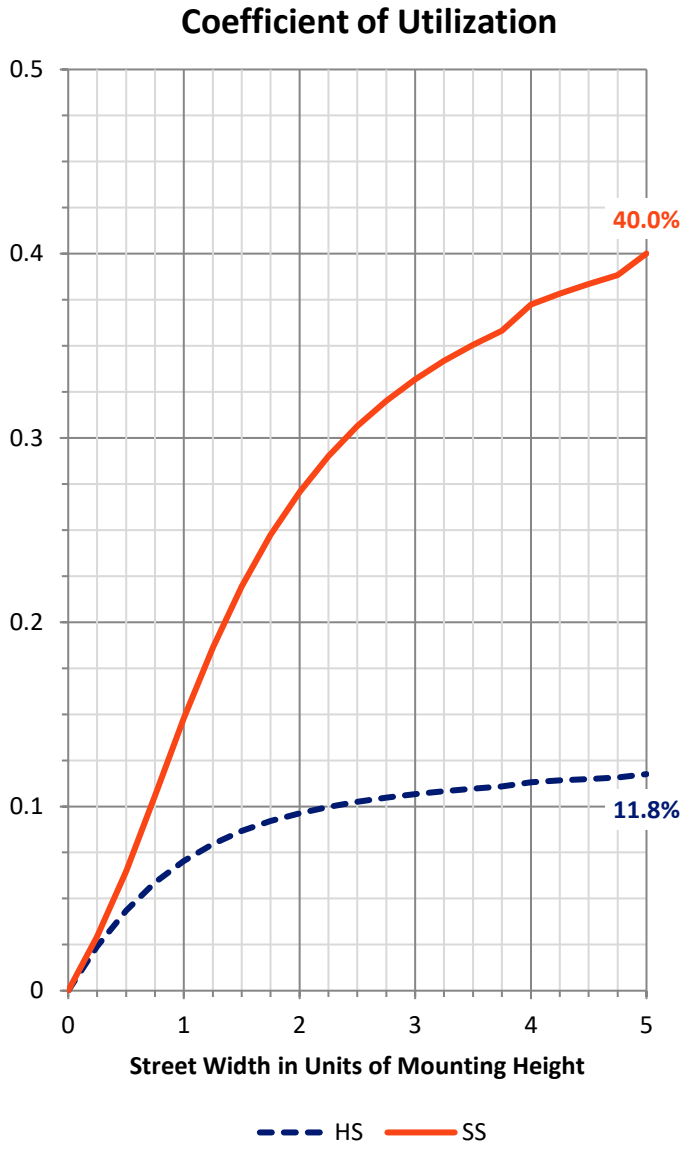
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1029.7	816.6	1846.3
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	3756.2	2416.4	6172.6
	% Fixture	46.8	30.1	77.0
Total	Lumens	4785.9	3232.9	8018.9
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	16.7	0.2
20°-30°	76.1	0.9
30°-40°	254.6	3.2
40°-50°	518.8	6.5
50°-60°	798.2	10.0
60°-70°	993.3	12.4
70°-80°	1062.3	13.2
80°-90°	1060.5	13.2
90°-100°	958.4	12.0
100°-110°	838.3	10.5
110°-120°	571.4	7.1
120°-130°	403.6	5.0
130°-140°	244.6	3.1
140°-150°	124.0	1.5
150°-160°	57.9	0.7
160°-170°	26.5	0.3
170°-180°	8.2	0.1
0°-90°	4785.9	59.7
0°-180°	8018.9	100.0



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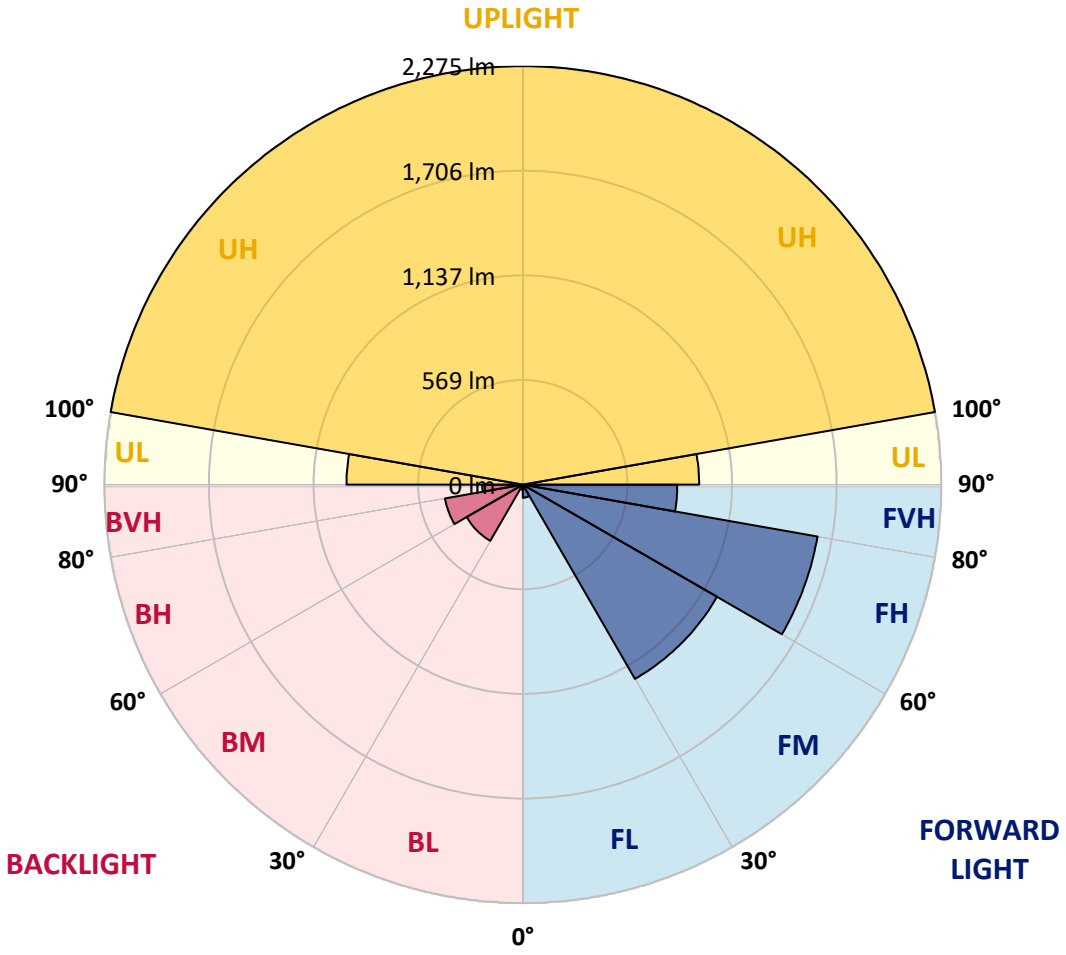
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	70.9	0.9			
FM	(30°-60°)	1219.1	15.2			
FH	(60°-80°)	1626.4	20.3			G1/1800
FVH	(80°-90°)	839.8	10.5			G5
BL	(0°-30°)	27.2	0.3	B0/110		
BM	(30°-60°)	352.6	4.4	B1/1000		
BH	(60°-80°)	429.3	5.4	B1/500		G1/500
BVH	(80°-90°)	220.6	2.8			G2/225
UL	(90°-100°)	958.4	12.0		U4/1000	
UH	(100°-180°)	2274.6	28.4		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
2.5°	70.5	70.5	70.5	70.5	70.5	70.5	69.7	67.9	67.1	66.2	65.3
5°	67.1	67.1	67.1	67.1	67.1	67.1	67.1	66.2	65.3	63.6	61.8
7.5°	67.1	67.1	67.1	67.1	66.2	65.3	64.4	63.6	62.7	59.2	55.7
10°	73.1	74.0	73.1	73.1	70.5	67.9	66.2	63.6	61.8	60.1	55.7
12.5°	77.5	77.5	77.5	76.6	74.9	73.1	69.7	65.3	61.8	58.3	54.9
15°	80.1	80.1	80.1	80.1	78.4	75.8	73.1	69.7	66.2	61.8	57.5
17.5°	90.6	90.6	90.6	89.7	88.0	86.2	84.5	82.7	80.1	75.8	71.4
20°	119.3	121.9	121.0	118.4	116.7	114.9	115.8	114.1	112.3	106.2	99.3
22.5°	165.5	168.9	168.1	168.9	166.3	164.6	163.7	165.5	162.0	153.3	140.2
25°	232.5	232.5	229.9	236.9	237.7	229.0	230.8	229.9	227.3	211.6	190.7
27.5°	307.4	305.7	304.8	316.1	317.8	314.4	317.8	311.8	303.0	285.6	259.5
30°	394.5	401.4	404.9	406.7	411.9	415.4	419.7	414.5	391.0	370.1	333.5
32.5°	505.1	500.7	499.9	518.1	527.7	528.6	539.0	524.2	498.1	458.9	411.0
35°	627.0	616.5	618.3	629.6	645.3	656.6	664.4	635.7	608.7	557.3	494.6
37.5°	741.9	742.8	741.9	746.3	775.9	779.4	781.1	748.9	709.7	656.6	578.2
40°	859.5	861.2	865.6	879.5	910.9	904.8	890.8	862.1	811.6	751.5	659.2
42.5°	980.5	991.9	994.5	1001.4	1023.2	1021.5	998.0	965.7	907.4	832.5	728.9
45°	1110.3	1108.6	1112.9	1122.5	1139.9	1139.9	1098.1	1051.1	987.5	903.0	791.6
47.5°	1233.1	1246.1	1238.3	1261.8	1253.1	1259.2	1187.8	1130.3	1060.7	960.5	843.8
50°	1388.1	1395.1	1392.4	1389.8	1363.7	1363.7	1290.6	1213.1	1134.7	1016.2	896.1
52.5°	1519.6	1522.2	1517.8	1507.4	1470.8	1458.6	1372.4	1282.7	1200.0	1081.6	946.6
55°	1641.5	1624.1	1631.9	1615.4	1557.9	1544.8	1463.0	1335.8	1257.5	1128.6	990.1
57.5°	1731.2	1740.8	1743.4	1707.7	1650.2	1597.1	1542.2	1399.4	1301.0	1173.0	1018.9
60°	1807.8	1833.9	1832.2	1778.2	1727.7	1632.8	1602.3	1455.1	1329.7	1212.2	1050.2
62.5°	1865.3	1893.2	1891.4	1847.9	1802.6	1669.4	1635.4	1488.2	1347.2	1232.2	1073.7
65°	1921.9	1935.0	1928.9	1911.4	1857.5	1703.3	1666.7	1503.0	1362.0	1240.9	1082.4
67.5°	1979.4	1978.5	1977.6	1953.2	1894.9	1734.7	1692.0	1524.8	1376.8	1250.5	1088.5
70°	2008.1	2009.8	2009.0	1957.6	1903.6	1755.6	1705.9	1536.1	1380.2	1250.5	1093.7
71°	2009.8	2012.5	2014.2	1952.4	1895.8	1757.3	1706.8	1536.1	1376.8	1247.9	1091.1
72.5°	1997.7	2010.7	2009.0	1939.3	1884.5	1754.7	1700.7	1529.2	1371.5	1237.4	1083.3
75°	1970.7	1994.2	1983.7	1913.2	1855.7	1737.3	1684.2	1522.2	1358.5	1223.5	1076.3
77.5°	1947.2	1974.1	1956.7	1891.4	1840.0	1725.1	1675.5	1523.9	1348.9	1214.8	1073.7
80°	1931.5	1946.3	1932.3	1878.4	1827.0	1711.2	1669.4	1524.8	1346.3	1210.4	1065.9
82.5°	1908.0	1901.9	1892.3	1849.6	1797.4	1685.9	1645.0	1510.9	1340.2	1201.7	1057.2
85°	1887.1	1861.8	1861.8	1823.5	1770.4	1665.9	1616.2	1494.3	1329.7	1193.0	1046.7
87.5°	1899.3	1865.3	1872.3	1835.7	1777.3	1668.5	1611.0	1492.6	1334.1	1194.8	1040.6
90°	1887.1	1854.8	1858.3	1820.0	1752.1	1641.5	1571.8	1457.8	1306.2	1170.4	1018.9
92.5°	1866.2	1832.2	1827.0	1787.8	1719.0	1614.5	1541.3	1435.1	1284.5	1151.2	1011.0
95°	1705.1	1680.7	1670.2	1642.4	1589.2	1497.8	1440.3	1338.4	1188.7	1066.8	945.7
97.5°	1539.6	1544.0	1529.2	1496.1	1437.7	1366.3	1302.7	1205.2	1078.9	973.6	856.0
100°	1604.9	1598.8	1584.0	1539.6	1478.7	1398.5	1323.6	1229.6	1106.8	1011.9	882.1
102.5°	1676.3	1690.3	1684.2	1628.4	1559.6	1495.2	1438.6	1344.5	1209.6	1109.4	971.0
105°	1481.3	1509.1	1515.2	1471.7	1421.2	1367.2	1317.5	1251.4	1134.7	1031.9	923.1
107.5°	1291.4	1295.8	1300.1	1267.0	1241.8	1193.9	1144.3	1084.2	995.3	917.0	810.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	1159.9	1164.3	*1157.3*	1143.4	1117.3	1080.7	1025.8	984.0	906.5	840.3	743.7
112.5°	1055.4	1059.8	*1054.6*	1037.1	1013.6	984.9	927.4	892.6	826.4	764.6	677.5
115°	988.4	993.6	*984.9*	966.6	946.6	930.9	881.3	829.9	769.8	714.9	640.1
117.5°	924.8	935.3	*915.2*	910.0	895.2	879.5	822.9	777.6	725.4	675.8	615.7
120°	855.1	863.9	*847.3*	841.2	832.5	816.8	763.7	722.8	681.0	636.6	579.1
122.5°	799.4	787.2	*779.4*	779.4	768.9	758.5	703.6	669.7	636.6	599.1	539.9
125°	735.8	719.3	*715.8*	721.9	708.8	694.9	651.4	620.9	595.6	558.2	499.9
127.5°	664.4	648.8	*648.8*	651.4	643.5	629.6	600.9	575.6	559.9	519.9	461.5
130°	597.4	588.7	*590.4*	584.3	576.5	565.2	544.3	526.0	512.9	472.9	431.1
132.5°	517.3	526.8	*526.8*	516.4	514.7	505.9	489.4	480.7	460.7	427.6	392.7
135°	460.7	468.5	*467.6*	458.1	457.2	452.0	439.8	431.9	412.8	384.9	356.2
137.5°	412.8	412.8	*411.0*	404.9	401.4	400.6	389.3	381.4	363.1	344.0	320.5
140°	365.7	357.9	*355.3*	356.2	350.9	350.1	340.5	330.9	322.2	303.9	284.8
142.5°	317.0	311.8	*309.1*	305.7	303.9	301.3	295.2	287.4	278.7	266.5	249.1
145°	270.8	270.8	*269.1*	265.6	265.6	262.1	256.0	251.7	243.8	230.8	216.8
147.5°	235.1	232.5	*232.5*	231.6	229.0	227.3	222.1	216.0	210.7	200.3	187.2
150°	202.0	202.0	*200.3*	202.0	200.3	197.7	194.2	189.0	182.9	175.0	164.6
152.5°	175.9	176.8	*175.0*	177.6	175.9	174.2	169.8	166.3	159.4	152.4	145.4
155°	156.7	157.6	*156.7*	155.9	155.9	153.3	151.5	146.3	141.9	135.8	129.8
157.5°	139.3	140.2	*140.2*	140.2	140.2	137.6	134.1	130.6	127.1	121.9	116.7
160°	128.0	127.1	*127.1*	126.3	125.4	124.5	121.9	118.4	115.8	111.5	107.1
162.5°	116.7	116.7	*116.7*	115.8	114.9	114.1	112.3	108.9	106.2	102.8	99.3
165°	108.9	108.9	*108.9*	108.9	107.1	106.2	104.5	101.9	100.1	96.7	93.2
167.5°	103.6	103.6	*103.6*	102.8	101.9	101.0	100.1	97.5	95.8	93.2	90.6
170°	99.3	99.3	*99.3*	99.3	98.4	96.7	95.8	94.0	92.3	90.6	88.0
172.5°	94.9	94.9	*94.9*	94.9	94.0	94.0	93.2	91.4	90.6	88.0	87.1
175°	91.4	91.4	*91.4*	91.4	90.6	90.6	89.7	88.8	88.0	87.1	85.3
177.5°	88.8	88.8	*88.8*	88.8	88.0	88.0	88.0	87.1	86.2	85.3	85.3
180°	85.3	85.3	*85.3*	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
2.5°	65.3	65.3	63.6	62.7	61.8	60.1	58.3	55.7	55.7	55.7	54.9
5°	61.0	60.1	58.3	55.7	54.9	54.0	52.2	48.8	44.4	40.9	40.9
7.5°	56.6	52.2	47.9	46.2	43.5	39.2	34.8	29.6	23.5	22.6	22.6
10°	53.1	50.5	45.3	40.9	36.6	35.7	32.2	27.0	24.4	21.8	21.8
12.5°	52.2	50.5	44.4	39.2	34.0	31.3	28.7	26.1	23.5	21.8	21.8
15°	54.9	53.1	47.0	40.9	34.8	31.3	27.9	25.3	24.4	23.5	23.5
17.5°	68.8	66.2	57.5	47.9	40.1	34.8	30.5	27.9	27.0	26.1	26.1
20°	93.2	88.8	76.6	63.6	51.4	40.1	34.0	29.6	28.7	27.9	27.9
22.5°	132.4	124.5	103.6	83.6	65.3	50.5	39.2	31.3	28.7	27.9	27.9
25°	180.3	169.8	139.3	109.7	82.7	64.4	47.9	35.7	28.7	27.0	27.0
27.5°	243.8	225.5	184.6	147.2	110.6	81.9	60.1	42.7	31.3	27.0	26.1
30°	310.9	288.2	236.0	186.4	140.2	102.8	74.0	51.4	35.7	27.0	26.1
32.5°	384.0	353.6	296.1	234.3	174.2	127.1	90.6	60.1	40.9	28.7	27.0
35°	458.9	425.0	353.6	284.8	209.0	151.5	108.0	69.7	44.4	30.5	28.7
37.5°	534.7	496.4	418.9	330.0	243.0	176.8	125.4	80.1	47.9	32.2	30.5
40°	610.4	564.3	479.0	372.7	276.0	202.0	141.9	88.8	50.5	34.8	34.0
42.5°	669.7	622.6	528.6	408.4	310.9	224.7	158.5	95.8	53.1	39.2	37.4
45°	723.7	674.0	570.4	440.6	337.9	251.7	177.6	107.1	58.3	44.4	42.7
47.5°	778.5	729.7	613.9	472.0	364.0	278.7	200.3	119.3	72.3	57.5	56.6
50°	826.4	772.4	661.0	514.7	397.1	303.9	223.8	134.1	85.3	83.6	84.5
52.5°	872.6	818.6	701.0	546.0	419.7	334.4	246.4	140.2	96.7	98.4	100.1
55°	923.9	861.2	733.2	570.4	432.8	354.4	259.5	145.4	107.1	100.1	98.4
57.5°	958.8	886.5	759.4	597.4	446.7	366.6	260.4	151.5	115.8	96.7	94.0
60°	982.3	900.4	773.3	612.2	465.9	377.9	257.8	152.4	121.0	88.8	81.0
62.5°	998.0	918.7	785.5	615.7	480.7	386.6	256.9	148.9	119.3	79.2	73.1
65°	1004.9	934.4	796.8	617.4	483.3	392.7	256.9	147.2	116.7	69.7	62.7
67.5°	1004.9	939.6	801.2	620.9	481.6	394.5	249.1	152.4	113.2	66.2	57.5
70°	999.7	937.0	795.1	620.0	485.0	392.7	240.3	152.4	108.0	66.2	54.9
71°	*992.7*	*931.8*	*790.7*	*619.2*	*485.9*	*391.0*	*236.9*	*151.5*	*105.4*	*64.4*	*55.7*
72.5°	983.2	923.9	782.9	617.4	483.3	385.8	229.9	152.4	102.8	63.6	56.6
75°	972.7	917.8	776.8	610.4	482.4	377.9	217.7	149.8	101.9	64.4	58.3
77.5°	969.2	918.7	773.3	608.7	482.4	373.6	209.0	148.0	100.1	65.3	61.8
80°	961.4	917.0	766.3	604.3	480.7	365.7	206.4	148.0	98.4	66.2	63.6
82.5°	953.5	912.6	760.2	600.0	478.1	355.3	203.8	147.2	96.7	68.8	67.1
85°	946.6	911.7	760.2	597.4	477.2	349.2	202.9	146.3	95.8	71.4	69.7
87.5°	946.6	916.1	768.1	604.3	485.0	349.2	206.4	148.0	96.7	74.9	74.0
90°	929.2	896.9	755.9	600.0	487.7	350.1	209.9	152.4	100.1	78.4	76.6
92.5°	923.9	888.2	752.4	604.3	491.1	350.1	214.2	156.7	102.8	80.1	78.4
95°	866.5	826.4	708.0	573.9	469.4	340.5	216.0	155.9	104.5	81.0	80.1
97.5°	786.3	742.8	631.3	510.3	415.4	305.7	196.8	146.3	103.6	83.6	81.9
100°	813.3	762.0	645.3	519.0	408.4	299.6	193.3	141.9	106.2	87.1	85.3
102.5°	888.2	832.5	709.7	574.7	445.0	330.9	216.0	150.7	111.5	91.4	88.8
105°	843.8	782.0	685.3	556.5	433.7	330.9	216.8	153.3	116.7	94.9	93.2
107.5°	745.4	687.9	603.5	495.5	397.1	305.7	205.5	148.9	121.0	99.3	96.7

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

Scaled Data Report

REPORT NUMBER: P1045987
CATALOG NUMBER: FFX-CLB-70-740-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	688.8	627.0	549.5	452.0	369.2	283.9	197.7	146.3	123.7	104.5	101.0
112.5°	628.7	575.6	500.7	415.4	344.0	262.1	192.5	145.4	125.4	109.7	106.2
115°	594.8	539.9	475.5	392.7	327.4	255.1	190.7	149.8	131.5	116.7	113.2
117.5°	565.2	519.9	462.4	375.3	316.1	252.5	194.2	155.0	135.8	122.8	118.4
120°	534.7	492.9	440.6	361.4	306.5	243.8	195.1	157.6	139.3	128.0	125.4
122.5°	516.4	469.4	418.0	349.2	295.2	237.7	194.2	161.1	140.2	130.6	130.6
125°	482.4	445.0	393.6	333.5	278.7	234.3	194.2	159.4	142.8	134.1	132.4
127.5°	445.0	420.6	369.2	316.1	267.3	225.5	189.0	159.4	141.9	134.1	134.1
130°	410.2	388.4	346.6	292.6	256.9	213.4	181.1	151.5	136.7	131.5	131.5
132.5°	371.0	357.0	317.8	270.0	236.0	198.5	170.7	140.2	128.0	123.7	123.7
135°	335.3	322.2	285.6	245.6	215.1	184.6	158.5	132.4	117.6	112.3	112.3
137.5°	302.2	290.0	257.8	223.8	195.9	170.7	146.3	124.5	109.7	103.6	104.5
140°	268.2	253.4	231.6	202.9	177.6	157.6	134.1	116.7	102.8	97.5	96.7
142.5°	237.7	226.4	206.4	182.0	160.2	144.6	123.7	108.9	97.5	92.3	91.4
145°	209.9	200.3	182.9	162.8	145.4	130.6	114.1	101.9	92.3	88.0	87.1
147.5°	180.3	174.2	161.1	145.4	130.6	117.6	106.2	94.9	88.8	83.6	82.7
150°	158.5	154.1	143.7	130.6	119.3	108.9	100.1	89.7	84.5	81.0	80.1
152.5°	141.1	136.7	128.0	118.4	108.9	101.0	93.2	86.2	81.0	78.4	77.5
155°	126.3	122.8	115.8	108.0	100.1	93.2	87.1	81.9	78.4	75.8	75.8
157.5°	114.9	111.5	106.2	99.3	93.2	87.1	82.7	78.4	76.6	74.0	74.0
160°	105.4	102.8	98.4	92.3	87.1	82.7	79.2	75.8	74.9	73.1	73.1
162.5°	97.5	95.8	91.4	87.1	83.6	80.1	77.5	74.9	73.1	72.3	72.3
165°	92.3	90.6	88.0	84.5	81.0	78.4	76.6	74.0	73.1	73.1	72.3
167.5°	89.7	88.0	85.3	81.9	79.2	78.4	76.6	74.9	74.0	74.0	73.1
170°	87.1	86.2	84.5	81.9	79.2	78.4	77.5	75.8	75.8	74.9	74.9
172.5°	86.2	85.3	83.6	81.9	80.1	79.2	78.4	77.5	77.5	77.5	76.6
175°	85.3	85.3	83.6	81.9	81.0	81.0	80.1	79.2	79.2	79.2	79.2
177.5°	85.3	84.5	84.5	83.6	82.7	82.7	82.7	81.9	81.9	81.9	81.9
180°	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3

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

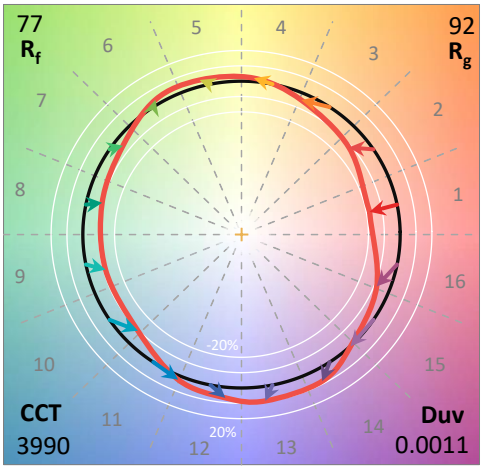
Test Information

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

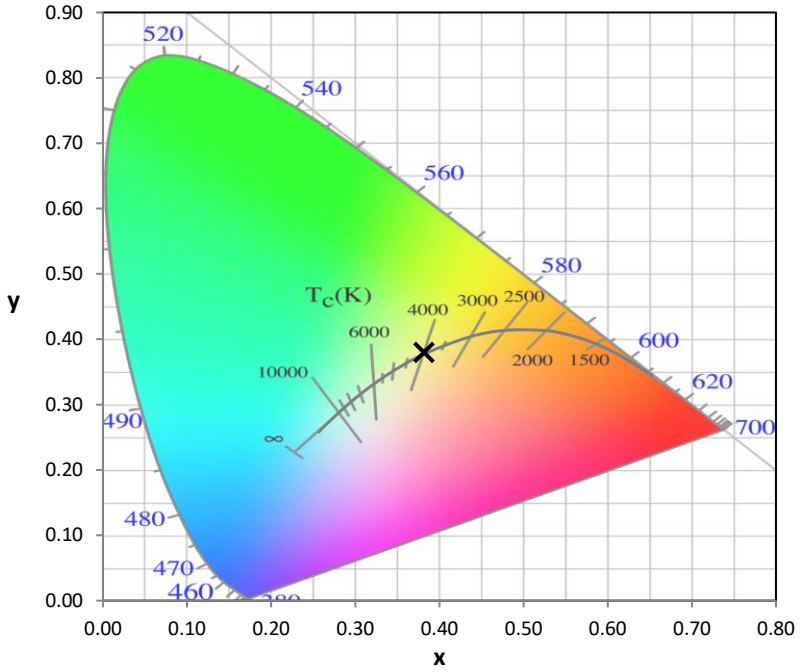
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

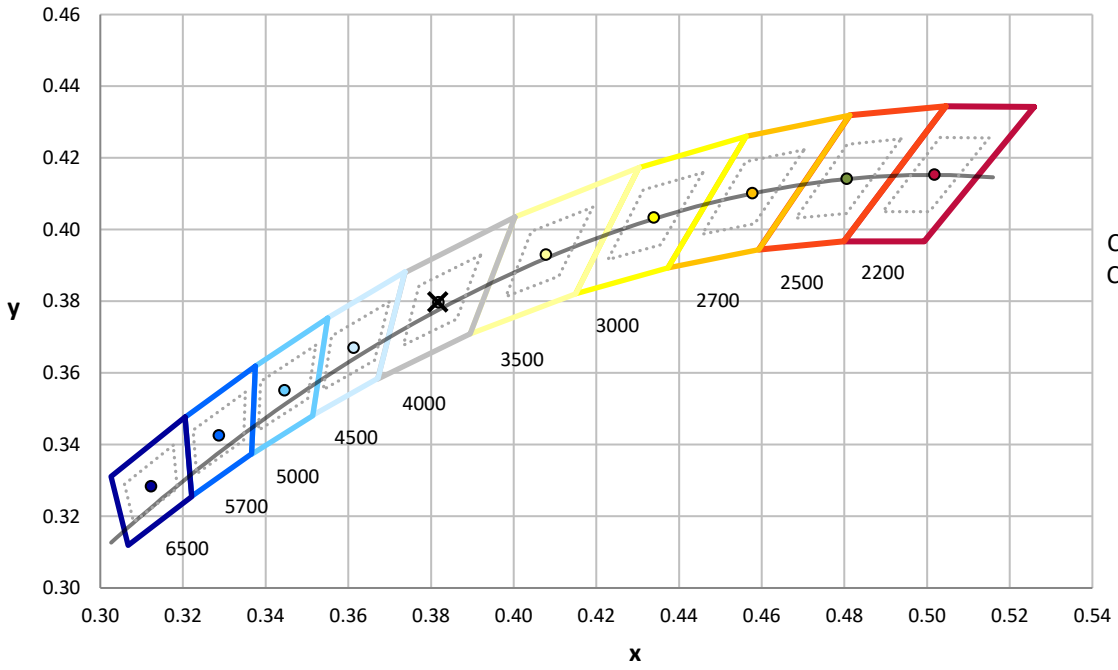
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

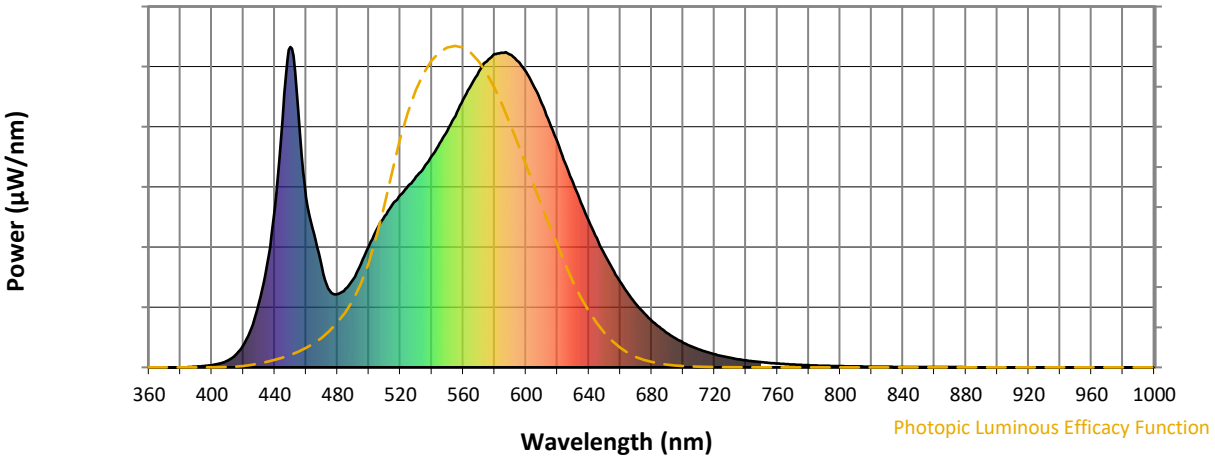


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

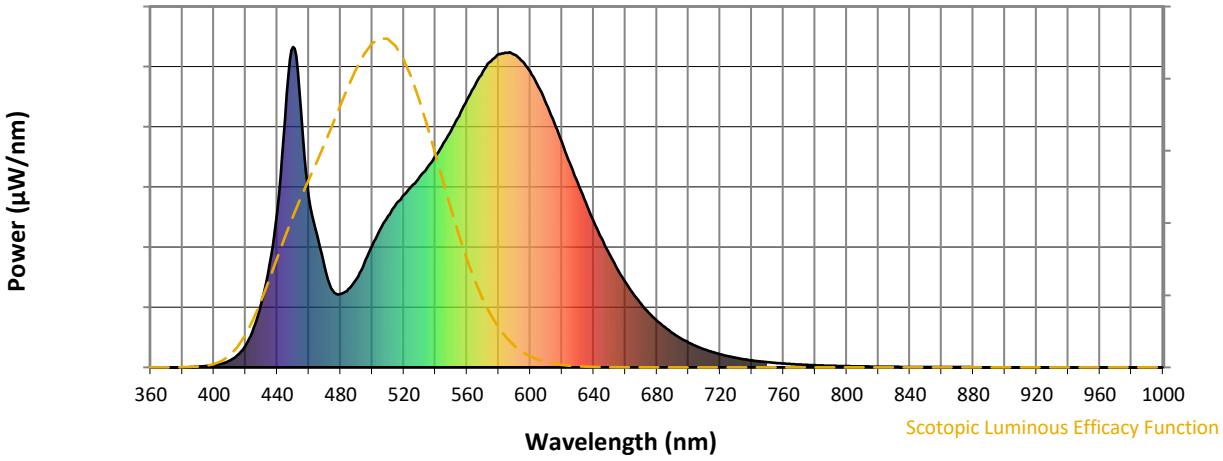


Photopic Lumens: NR

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

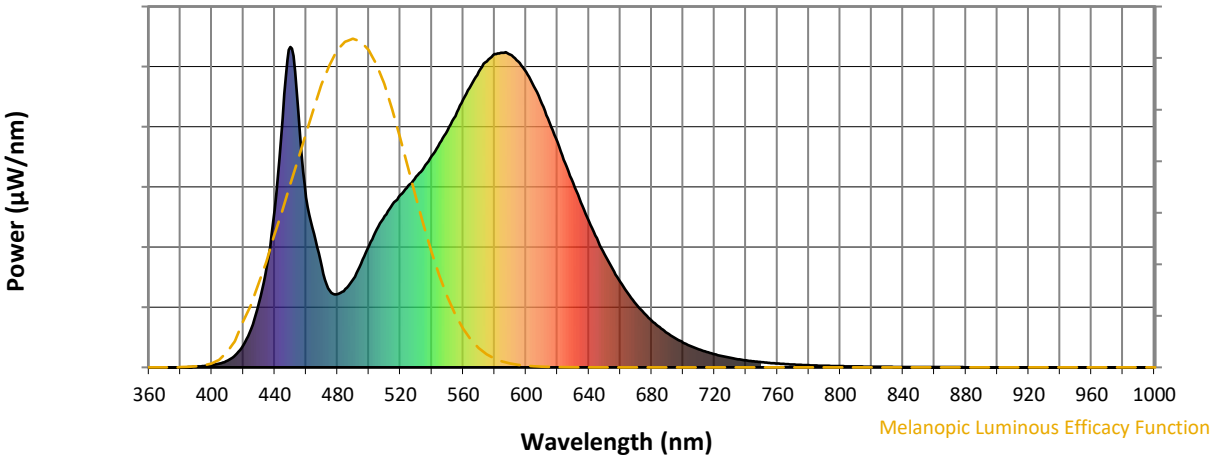


Scotopic Lumens: NR **S/P: 1.59**

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			

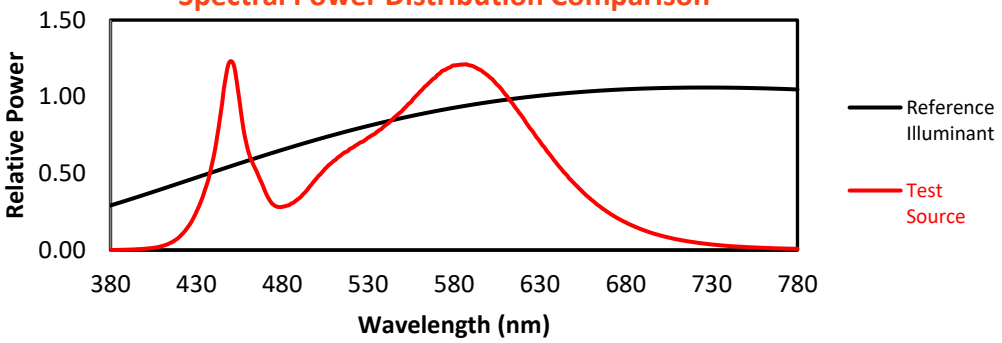
REPORT NUMBER: SP1-2501-332-1

TM-30-18

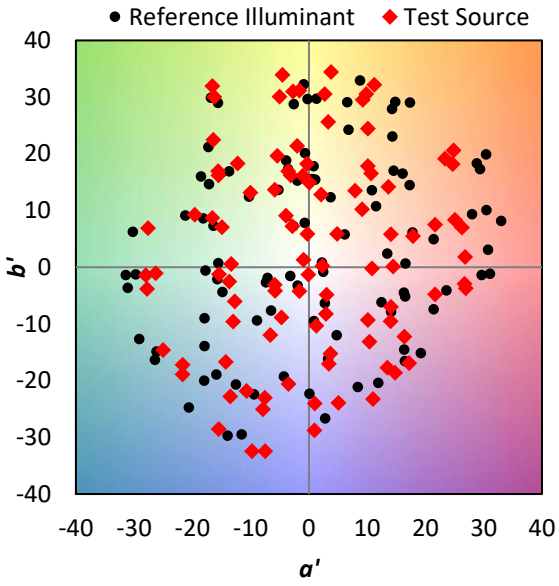
Summary

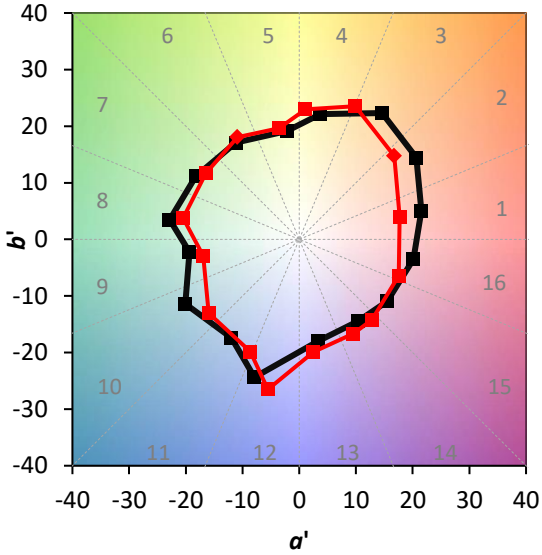
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

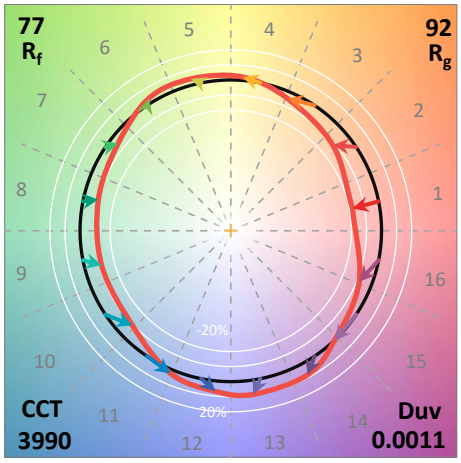
Spectral Power Distribution Comparison

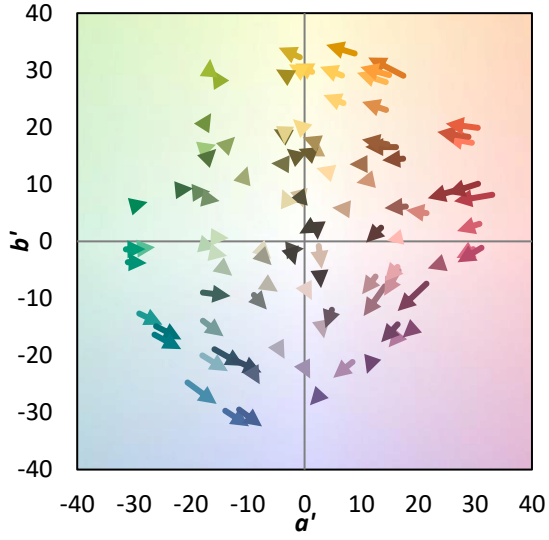


Color Vector Graphics







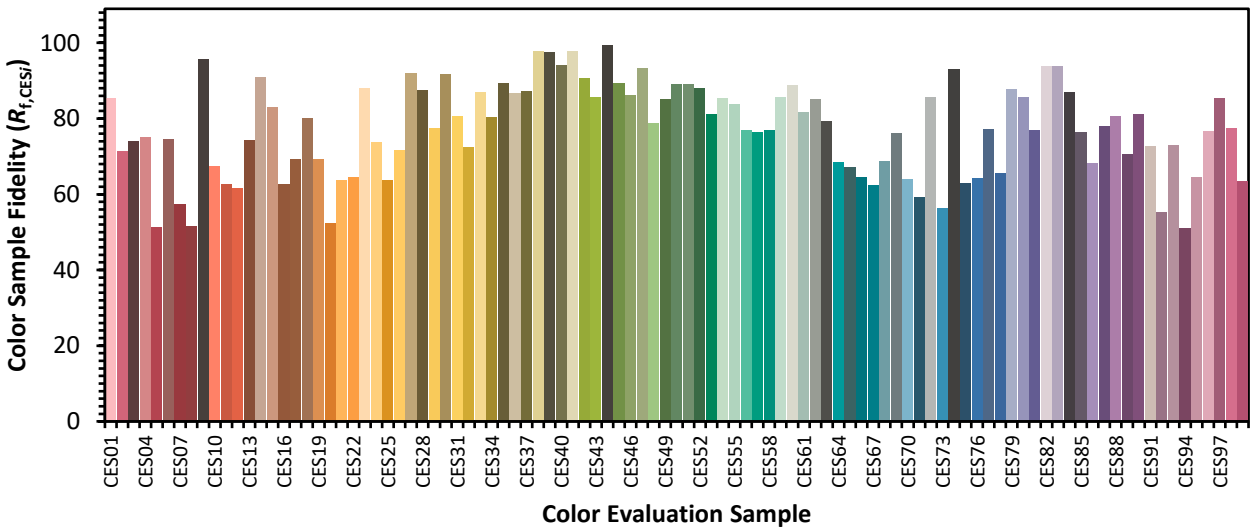


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

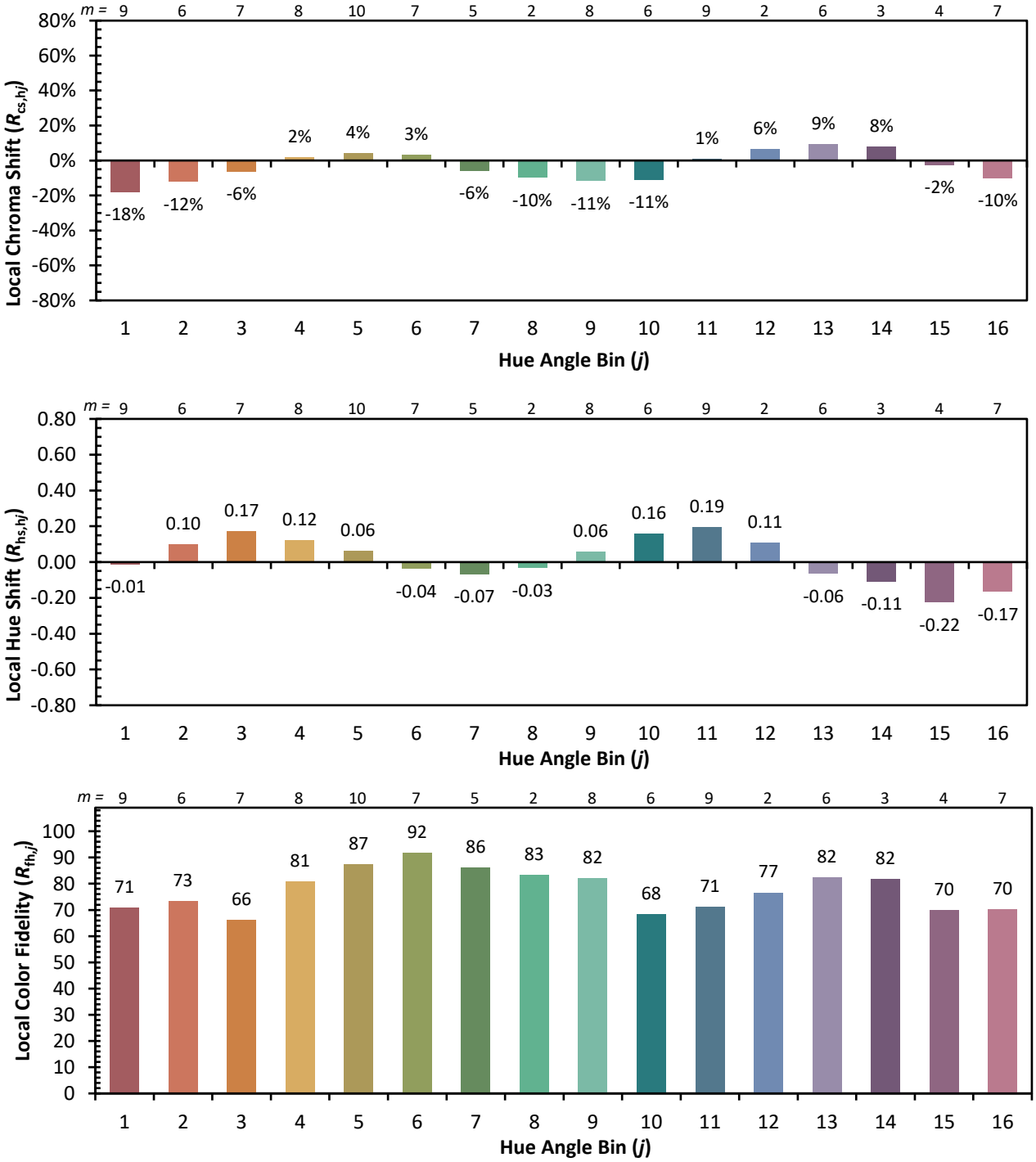
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57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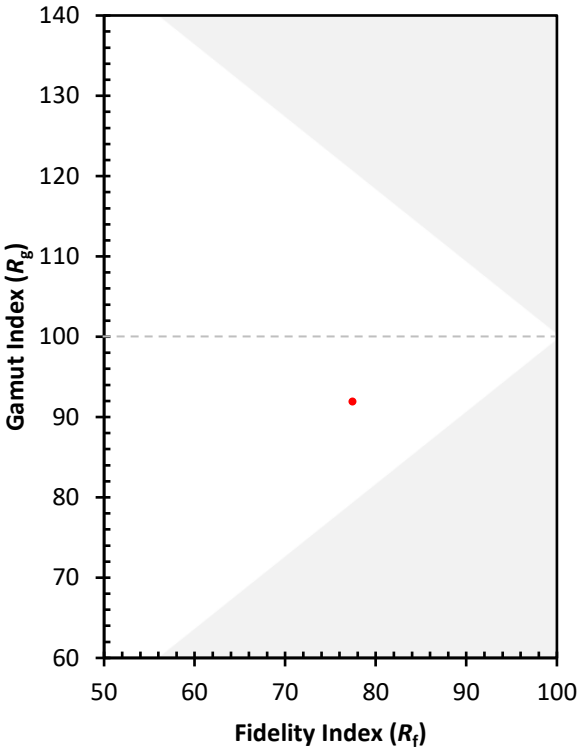
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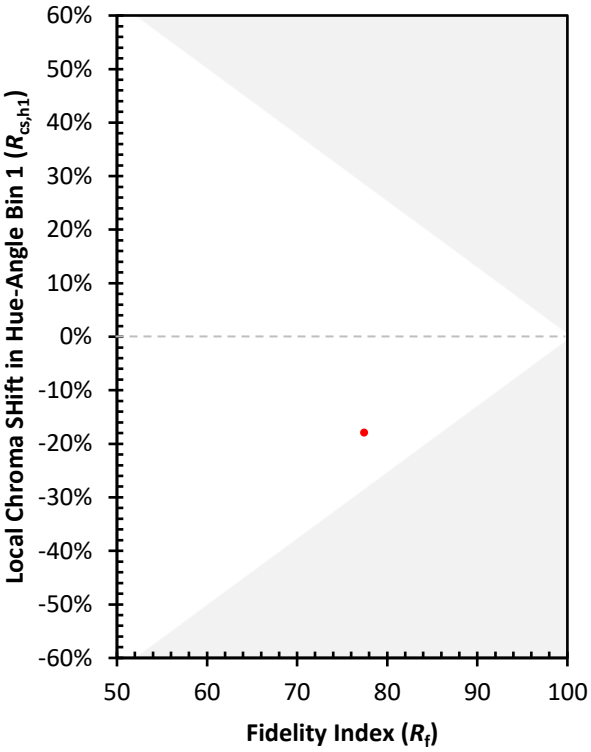


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Measure Comparisons





(END OF REPORT)