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: P1045986

Luminaire Tested: **FFX-CLB-80-740-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045986
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-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:	9119.3 lumens
Efficiency:	N/A
Efficacy:	111.5 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

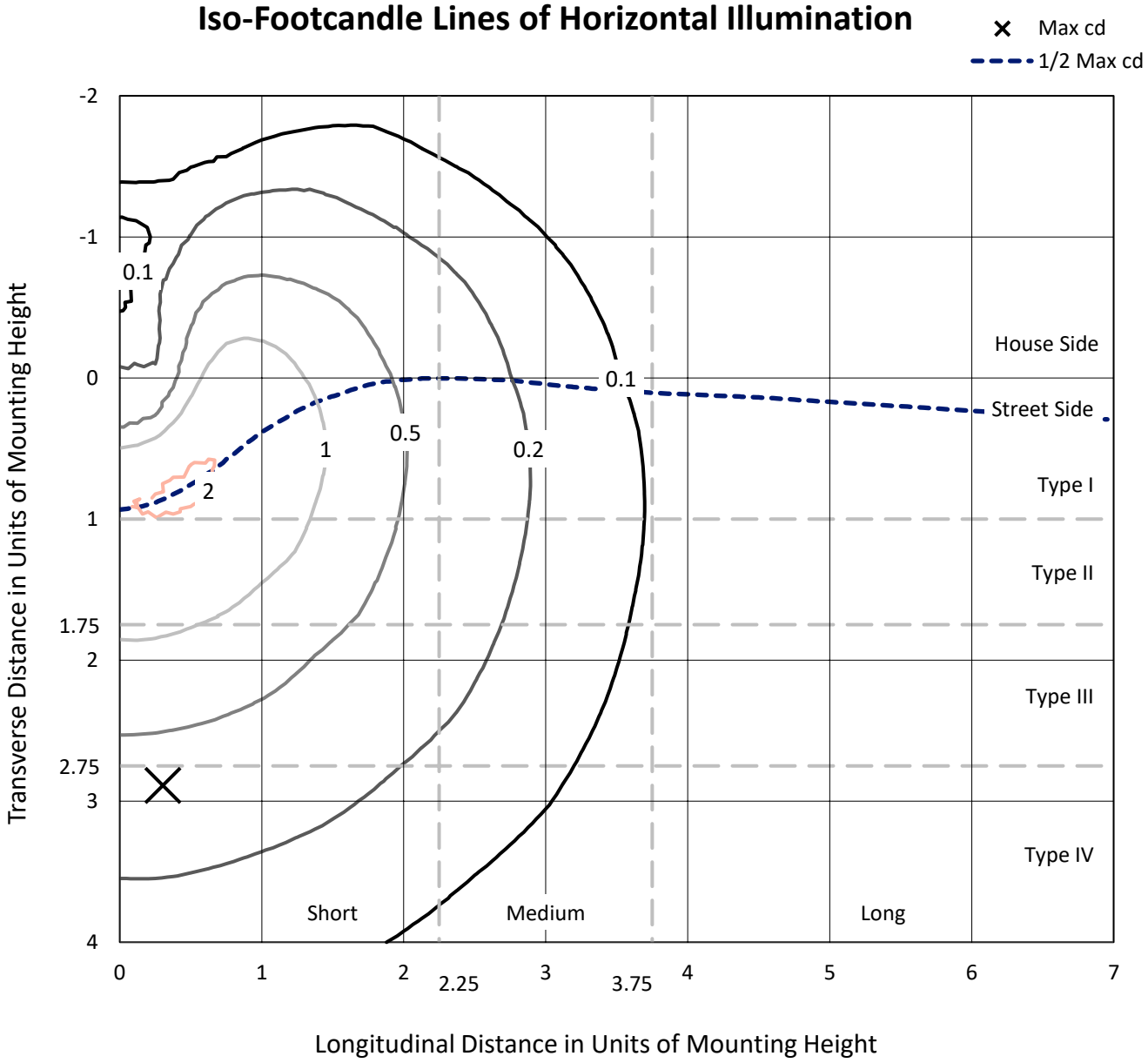


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Iso-Footcandle Lines of Horizontal Illumination



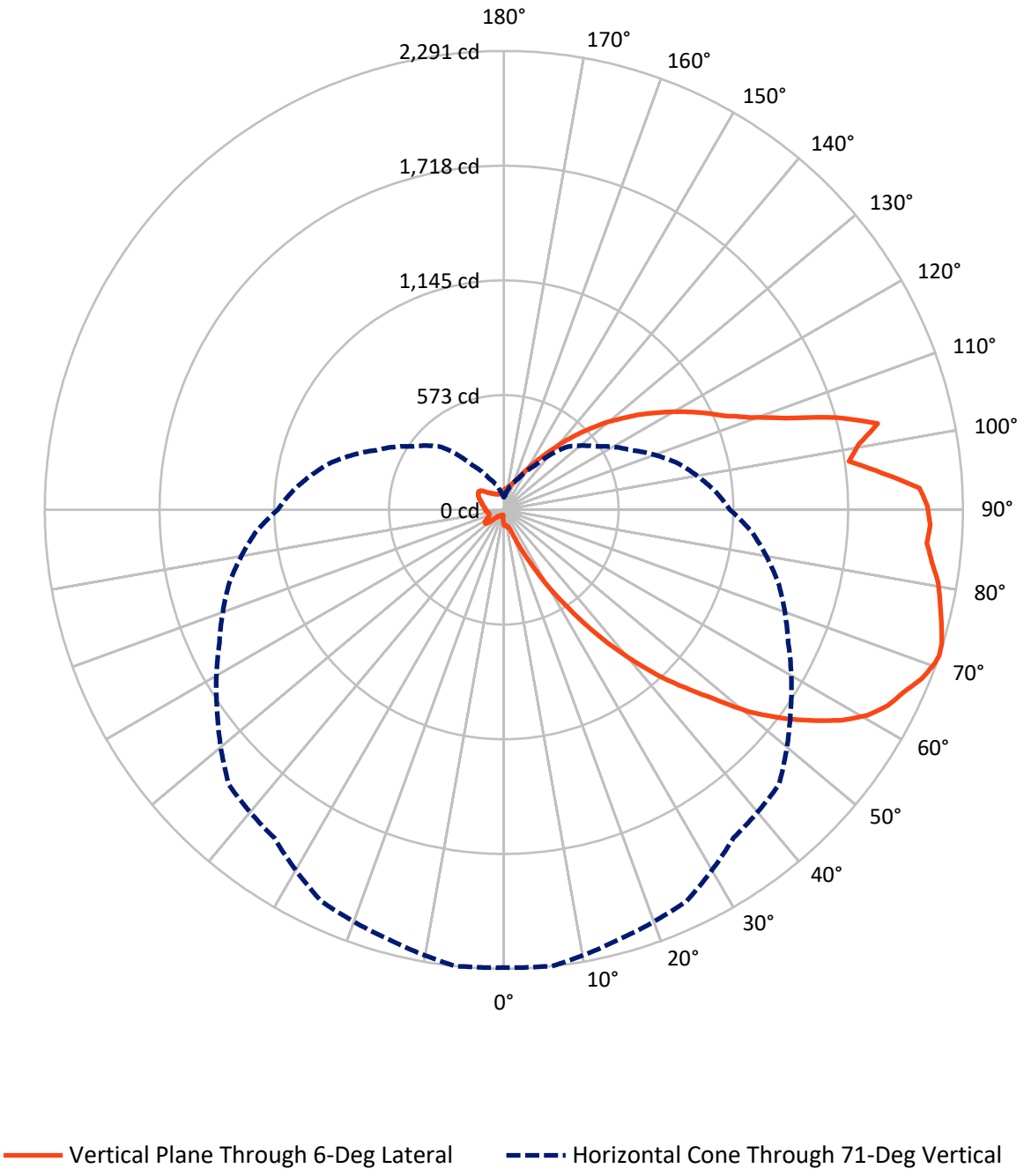
Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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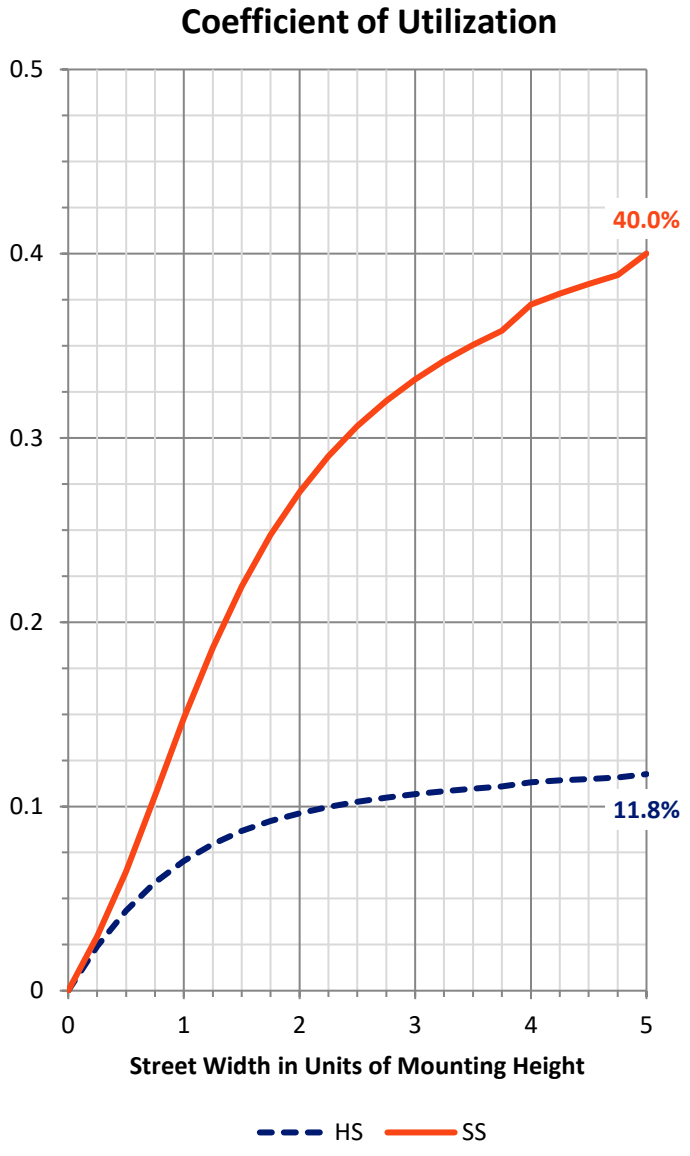
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1171.0	928.6	2099.6
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	4271.7	2748.0	7019.7
	% Fixture	46.8	30.1	77.0
Total	Lumens	5442.7	3676.6	9119.3
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	19.0	0.2
20°-30°	86.6	0.9
30°-40°	289.6	3.2
40°-50°	590.0	6.5
50°-60°	907.8	10.0
60°-70°	1129.6	12.4
70°-80°	1208.1	13.2
80°-90°	1206.0	13.2
90°-100°	1089.9	12.0
100°-110°	953.4	10.5
110°-120°	649.8	7.1
120°-130°	459.0	5.0
130°-140°	278.2	3.1
140°-150°	141.0	1.5
150°-160°	65.8	0.7
160°-170°	30.1	0.3
170°-180°	9.3	0.1
0°-90°	5442.7	59.7
0°-180°	9119.3	100.0



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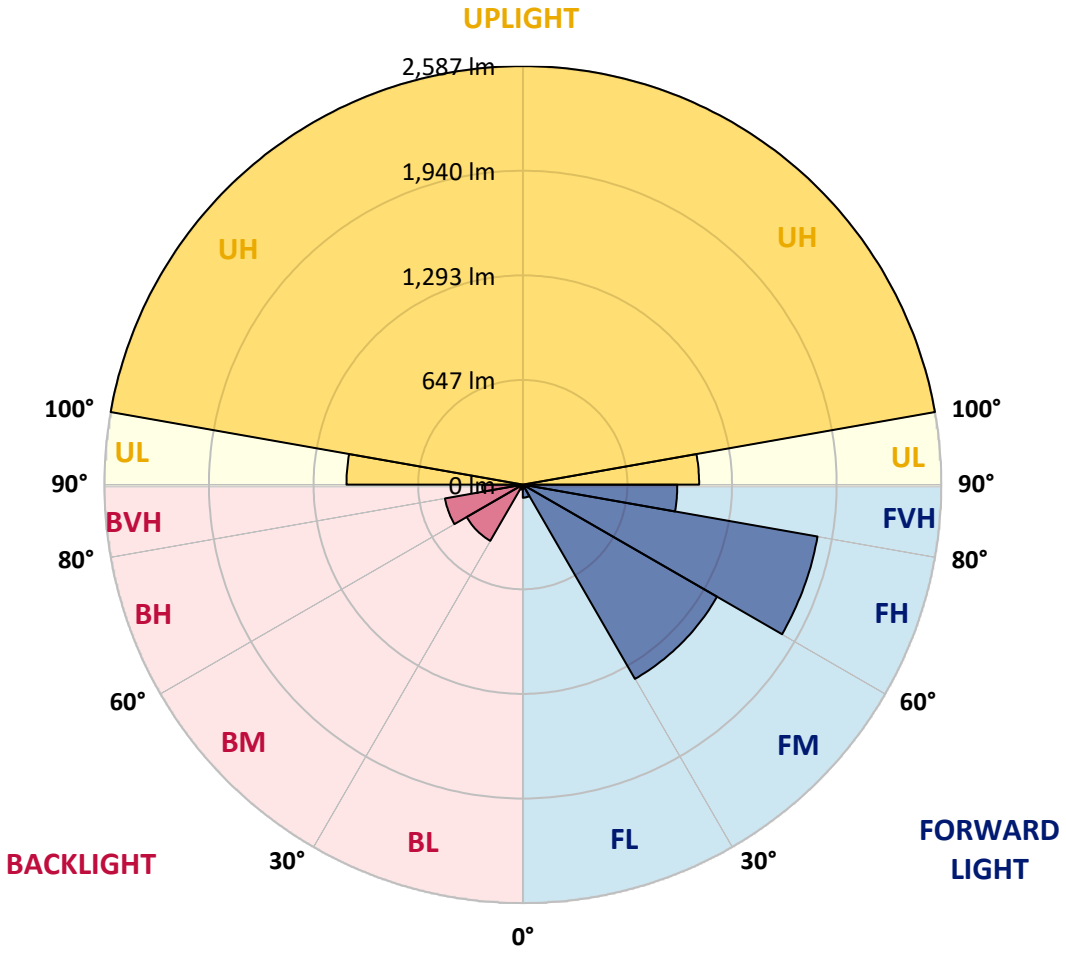
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	80.7	0.9			
FM	(30°-60°)	1386.4	15.2			
FH	(60°-80°)	1849.6	20.3			G2/5000
FVH	(80°-90°)	955.1	10.5			G5
BL	(0°-30°)	30.9	0.3	B0/110		
BM	(30°-60°)	401.0	4.4	B1/1000		
BH	(60°-80°)	488.2	5.4	B1/500		G1/500
BVH	(80°-90°)	250.9	2.8			G3/500
UL	(90°-100°)	1089.9	12.0		U5	
UH	(100°-180°)	2586.7	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°	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
2.5°	80.2	80.2	80.2	80.2	80.2	80.2	79.2	77.2	76.3	75.3	74.3
5°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	75.3	74.3	72.3	70.3
7.5°	76.3	76.3	76.3	76.3	75.3	74.3	73.3	72.3	71.3	67.3	63.4
10°	83.2	84.2	83.2	83.2	80.2	77.2	75.3	72.3	70.3	68.3	63.4
12.5°	88.1	88.1	88.1	87.1	85.2	83.2	79.2	74.3	70.3	66.4	62.4
15°	91.1	91.1	91.1	91.1	89.1	86.2	83.2	79.2	75.3	70.3	65.4
17.5°	103.0	103.0	103.0	102.0	100.0	98.0	96.1	94.1	91.1	86.2	81.2
20°	135.7	138.6	137.7	134.7	132.7	130.7	131.7	129.7	127.8	120.8	112.9
22.5°	188.2	192.1	191.1	192.1	189.2	187.2	186.2	188.2	184.2	174.3	159.4
25°	264.4	264.4	261.4	269.4	270.4	260.5	262.4	261.4	258.5	240.6	216.9
27.5°	349.6	347.6	346.6	359.5	361.5	357.5	361.5	354.5	344.6	324.8	295.1
30°	448.6	456.5	460.5	462.5	468.4	472.4	477.3	471.4	444.7	420.9	379.3
32.5°	574.4	569.4	568.4	589.2	600.1	601.1	613.0	596.2	566.5	521.9	467.4
35°	713.0	701.1	703.1	716.0	733.8	746.7	755.6	722.9	692.2	633.8	562.5
37.5°	843.8	844.7	843.8	848.7	882.4	886.3	888.3	851.7	807.1	746.7	657.6
40°	977.4	979.4	984.4	1000.2	1035.9	1028.9	1013.1	980.4	923.0	854.6	749.7
42.5°	1115.1	1128.0	1130.9	1138.9	1163.6	1161.6	1134.9	1098.3	1031.9	946.7	828.9
45°	1262.7	1260.7	1265.6	1276.5	1296.3	1296.3	1248.8	1195.3	1123.0	1027.0	900.2
47.5°	1402.3	1417.2	1408.2	1435.0	1425.1	1432.0	1350.8	1285.4	1206.2	1092.3	959.6
50°	1578.6	1586.5	1583.5	1580.6	1550.8	1550.8	1467.7	1379.5	1290.4	1155.7	1019.0
52.5°	1728.1	1731.1	1726.1	1714.3	1672.7	1658.8	1560.8	1458.7	1364.7	1230.0	1076.5
55°	1866.8	1847.0	1855.9	1837.1	1771.7	1756.8	1663.7	1519.2	1430.0	1283.5	1126.0
57.5°	1968.8	1979.7	1982.6	1942.0	1876.7	1816.3	1753.9	1591.5	1479.5	1334.0	1158.7
60°	2055.9	2085.6	2083.6	2022.2	1964.8	1856.9	1822.2	1654.8	1512.2	1378.5	1194.3
62.5°	2121.3	2153.0	2151.0	2101.5	2050.0	1898.5	1859.8	1692.5	1532.0	1401.3	1221.1
65°	2185.6	2200.5	2193.6	2173.8	2112.4	1937.1	1895.5	1709.3	1548.9	1411.2	1231.0
67.5°	2251.0	2250.0	2249.0	2221.3	2154.9	1972.7	1924.2	1734.1	1565.7	1422.1	1237.9
70°	2283.7	2285.7	2284.7	2226.2	2164.8	1996.5	1940.0	1746.9	1569.7	1422.1	1243.8
71°	2285.7	2288.6	2290.6	2220.3	2155.9	1998.5	1941.0	1746.9	1565.7	1419.1	1240.9
72.5°	2271.8	2286.7	2284.7	2205.5	2143.1	1995.5	1934.1	1739.0	1559.8	1407.2	1232.0
75°	2241.1	2267.8	2256.0	2175.7	2110.4	1975.7	1915.3	1731.1	1544.9	1391.4	1224.0
77.5°	2214.4	2245.1	2225.3	2151.0	2092.6	1961.8	1905.4	1733.1	1534.0	1381.5	1221.1
80°	2196.5	2213.4	2197.5	2136.1	2077.7	1946.0	1898.5	1734.1	1531.0	1376.5	1212.2
82.5°	2169.8	2162.9	2152.0	2103.4	2044.0	1917.3	1870.7	1718.2	1524.1	1366.6	1202.3
85°	2146.0	2117.3	2117.3	2073.7	2013.3	1894.5	1838.0	1699.4	1512.2	1356.7	1190.4
87.5°	2159.9	2121.3	2129.2	2087.6	2021.3	1897.5	1832.1	1697.4	1517.2	1358.7	1183.4
90°	2146.0	2109.4	2113.4	2069.8	1992.5	1866.8	1787.5	1657.8	1485.5	1331.0	1158.7
92.5°	2122.3	2083.6	2077.7	2033.1	1954.9	1836.1	1752.9	1632.1	1460.7	1309.2	1149.8
95°	1939.1	1911.3	1899.4	1867.8	1807.3	1703.4	1638.0	1522.1	1351.8	1213.1	1075.5
97.5°	1750.9	1755.8	1739.0	1701.4	1635.0	1553.8	1481.5	1370.6	1227.0	1107.2	973.5
100°	1825.2	1818.2	1801.4	1750.9	1681.6	1590.5	1505.3	1398.3	1258.7	1150.8	1003.2
102.5°	1906.4	1922.2	1915.3	1851.9	1773.7	1700.4	1636.0	1529.1	1375.6	1261.7	1104.2
105°	1684.5	1716.2	1723.2	1673.6	1616.2	1554.8	1498.4	1423.1	1290.4	1173.5	1049.7
107.5°	1468.6	1473.6	1478.6	1440.9	1412.2	1357.7	1301.3	1233.0	1131.9	1042.8	922.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	1319.1	1324.1	*1316.1*	1300.3	1270.6	1229.0	1166.6	1119.1	1030.9	955.7	845.7
112.5°	1200.3	1205.2	*1199.3*	1179.5	1152.7	1120.1	1054.7	1015.1	939.8	869.5	770.5
115°	1124.0	1130.0	*1120.1*	1099.3	1076.5	1058.7	1002.2	943.8	875.4	813.1	727.9
117.5°	1051.7	1063.6	*1040.8*	1034.9	1018.1	1000.2	935.9	884.4	824.9	768.5	700.2
120°	972.5	982.4	*963.6*	956.7	946.7	928.9	868.5	822.0	774.4	723.9	658.6
122.5°	909.1	895.3	*886.3*	886.3	874.5	862.6	800.2	761.6	723.9	681.3	614.0
125°	836.8	818.0	*814.0*	821.0	806.1	790.3	740.8	706.1	677.4	634.8	568.4
127.5°	755.6	737.8	*737.8*	740.8	731.8	716.0	683.3	654.6	636.8	591.2	524.9
130°	679.4	669.5	*671.4*	664.5	655.6	642.7	619.0	598.2	583.3	537.7	490.2
132.5°	588.3	599.1	*599.1*	587.3	585.3	575.4	556.6	546.7	523.9	486.2	446.6
135°	523.9	532.8	*531.8*	520.9	519.9	514.0	500.1	491.2	469.4	437.7	405.0
137.5°	469.4	469.4	*467.4*	460.5	456.5	455.5	442.7	433.8	413.0	391.2	364.4
140°	415.9	407.0	*404.1*	405.0	399.1	398.1	387.2	376.3	366.4	345.6	323.8
142.5°	360.5	354.5	*351.6*	347.6	345.6	342.7	335.7	326.8	316.9	303.0	283.2
145°	308.0	308.0	*306.0*	302.0	302.0	298.1	291.2	286.2	277.3	262.4	246.6
147.5°	267.4	264.4	*264.4*	263.4	260.5	258.5	252.5	245.6	239.7	227.8	212.9
150°	229.8	229.8	*227.8*	229.8	227.8	224.8	220.8	214.9	208.0	199.1	187.2
152.5°	200.0	201.0	*199.1*	202.0	200.0	198.1	193.1	189.2	181.2	173.3	165.4
155°	178.3	179.2	*178.3*	177.3	177.3	174.3	172.3	166.4	161.4	154.5	147.6
157.5°	158.5	159.4	*159.4*	159.4	159.4	156.5	152.5	148.5	144.6	138.6	132.7
160°	145.6	144.6	*144.6*	143.6	142.6	141.6	138.6	134.7	131.7	126.8	121.8
162.5°	132.7	132.7	*132.7*	131.7	130.7	129.7	127.8	123.8	120.8	116.9	112.9
165°	123.8	123.8	*123.8*	123.8	121.8	120.8	118.8	115.9	113.9	109.9	106.0
167.5°	117.8	117.8	*117.8*	116.9	115.9	114.9	113.9	110.9	108.9	106.0	103.0
170°	112.9	112.9	*112.9*	112.9	111.9	109.9	108.9	107.0	105.0	103.0	100.0
172.5°	107.9	107.9	*107.9*	107.9	107.0	107.0	106.0	104.0	103.0	100.0	99.0
175°	104.0	104.0	*104.0*	104.0	103.0	103.0	102.0	101.0	100.0	99.0	97.1
177.5°	101.0	101.0	*101.0*	101.0	100.0	100.0	100.0	99.0	98.0	97.1	97.1
180°	97.1	97.1	*97.1*	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
2.5°	74.3	74.3	72.3	71.3	70.3	68.3	66.4	63.4	63.4	63.4	62.4
5°	69.3	68.3	66.4	63.4	62.4	61.4	59.4	55.5	50.5	46.5	46.5
7.5°	64.4	59.4	54.5	52.5	49.5	44.6	39.6	33.7	26.7	25.7	25.7
10°	60.4	57.4	51.5	46.5	41.6	40.6	36.6	30.7	27.7	24.8	24.8
12.5°	59.4	57.4	50.5	44.6	38.6	35.7	32.7	29.7	26.7	24.8	24.8
15°	62.4	60.4	53.5	46.5	39.6	35.7	31.7	28.7	27.7	26.7	26.7
17.5°	78.2	75.3	65.4	54.5	45.6	39.6	34.7	31.7	30.7	29.7	29.7
20°	106.0	101.0	87.1	72.3	58.4	45.6	38.6	33.7	32.7	31.7	31.7
22.5°	150.5	141.6	117.8	95.1	74.3	57.4	44.6	35.7	32.7	31.7	31.7
25°	205.0	193.1	158.5	124.8	94.1	73.3	54.5	40.6	32.7	30.7	30.7
27.5°	277.3	256.5	209.9	167.4	125.8	93.1	68.3	48.5	35.7	30.7	29.7
30°	353.5	327.8	268.4	211.9	159.4	116.9	84.2	58.4	40.6	30.7	29.7
32.5°	436.7	402.1	336.7	266.4	198.1	144.6	103.0	68.3	46.5	32.7	30.7
35°	521.9	483.3	402.1	323.8	237.7	172.3	122.8	79.2	50.5	34.7	32.7
37.5°	608.1	564.5	476.3	375.3	276.3	201.0	142.6	91.1	54.5	36.6	34.7
40°	694.2	641.7	544.7	423.9	313.9	229.8	161.4	101.0	57.4	39.6	38.6
42.5°	761.6	708.1	601.1	464.5	353.5	255.5	180.2	108.9	60.4	44.6	42.6
45°	823.0	766.5	648.7	501.1	384.2	286.2	202.0	121.8	66.4	50.5	48.5
47.5°	885.3	829.9	698.2	536.8	414.0	316.9	227.8	135.7	82.2	65.4	64.4
50°	939.8	878.4	751.7	585.3	451.6	345.6	254.5	152.5	97.1	95.1	96.1
52.5°	992.3	930.9	797.2	620.9	477.3	380.3	280.3	159.4	109.9	111.9	113.9
55°	1050.7	979.4	833.9	648.7	492.2	403.1	295.1	165.4	121.8	113.9	111.9
57.5°	1090.3	1008.1	863.6	679.4	508.0	416.9	296.1	172.3	131.7	109.9	107.0
60°	1117.1	1024.0	879.4	696.2	529.8	429.8	293.1	173.3	137.7	101.0	92.1
62.5°	1134.9	1044.8	893.3	700.2	546.7	439.7	292.1	169.3	135.7	90.1	83.2
65°	1142.8	1062.6	906.1	702.1	549.6	446.6	292.1	167.4	132.7	79.2	71.3
67.5°	1142.8	1068.6	911.1	706.1	547.6	448.6	283.2	173.3	128.7	75.3	65.4
70°	1136.9	1065.6	904.2	705.1	551.6	446.6	273.3	173.3	122.8	75.3	62.4
71°	*1129.0*	*1059.6*	*899.2*	*704.1*	*552.6*	*444.7*	*269.4*	*172.3*	*119.8*	*73.3*	*63.4*
72.5°	1118.1	1050.7	890.3	702.1	549.6	438.7	261.4	173.3	116.9	72.3	64.4
75°	1106.2	1043.8	883.4	694.2	548.6	429.8	247.6	170.3	115.9	73.3	66.4
77.5°	1102.2	1044.8	879.4	692.2	548.6	424.8	237.7	168.4	113.9	74.3	70.3
80°	1093.3	1042.8	871.5	687.3	546.7	415.9	234.7	168.4	111.9	75.3	72.3
82.5°	1084.4	1037.9	864.6	682.3	543.7	404.1	231.7	167.4	109.9	78.2	76.3
85°	1076.5	1036.9	864.6	679.4	542.7	397.1	230.7	166.4	108.9	81.2	79.2
87.5°	1076.5	1041.8	873.5	687.3	551.6	397.1	234.7	168.4	109.9	85.2	84.2
90°	1056.7	1020.0	859.6	682.3	554.6	398.1	238.7	173.3	113.9	89.1	87.1
92.5°	1050.7	1010.1	855.6	687.3	558.5	398.1	243.6	178.3	116.9	91.1	89.1
95°	985.4	939.8	805.1	652.6	533.8	387.2	245.6	177.3	118.8	92.1	91.1
97.5°	894.3	844.7	718.0	580.3	472.4	347.6	223.8	166.4	117.8	95.1	93.1
100°	925.0	866.5	733.8	590.2	464.5	340.7	219.9	161.4	120.8	99.0	97.1
102.5°	1010.1	946.7	807.1	653.6	506.1	376.3	245.6	171.3	126.8	104.0	101.0
105°	959.6	889.3	779.4	632.8	493.2	376.3	246.6	174.3	132.7	107.9	106.0
107.5°	847.7	782.4	686.3	563.5	451.6	347.6	233.7	169.3	137.7	112.9	109.9

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

Scaled Data Report

REPORT NUMBER: P1045986
CATALOG NUMBER: FFX-CLB-80-740-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	783.3	713.0	624.9	514.0	419.9	322.8	224.8	166.4	140.6	118.8	114.9
112.5°	715.0	654.6	569.4	472.4	391.2	298.1	218.9	165.4	142.6	124.8	120.8
115°	676.4	614.0	540.7	446.6	372.4	290.2	216.9	170.3	149.5	132.7	128.7
117.5°	642.7	591.2	525.9	426.8	359.5	287.2	220.8	176.3	154.5	139.6	134.7
120°	608.1	560.5	501.1	411.0	348.6	277.3	221.8	179.2	158.5	145.6	142.6
122.5°	587.3	533.8	475.4	397.1	335.7	270.4	220.8	183.2	159.4	148.5	148.5
125°	548.6	506.1	447.6	379.3	316.9	266.4	220.8	181.2	162.4	152.5	150.5
127.5°	506.1	478.3	419.9	359.5	304.0	256.5	214.9	181.2	161.4	152.5	152.5
130°	466.4	441.7	394.1	332.7	292.1	242.6	206.0	172.3	155.5	149.5	149.5
132.5°	421.9	406.0	361.5	307.0	268.4	225.8	194.1	159.4	145.6	140.6	140.6
135°	381.3	366.4	324.8	279.3	244.6	209.9	180.2	150.5	133.7	127.8	127.8
137.5°	343.6	329.8	293.1	254.5	222.8	194.1	166.4	141.6	124.8	117.8	118.8
140°	305.0	288.2	263.4	230.7	202.0	179.2	152.5	132.7	116.9	110.9	109.9
142.5°	270.4	257.5	234.7	207.0	182.2	164.4	140.6	123.8	110.9	105.0	104.0
145°	238.7	227.8	208.0	185.2	165.4	148.5	129.7	115.9	105.0	100.0	99.0
147.5°	205.0	198.1	183.2	165.4	148.5	133.7	120.8	107.9	101.0	95.1	94.1
150°	180.2	175.3	163.4	148.5	135.7	123.8	113.9	102.0	96.1	92.1	91.1
152.5°	160.4	155.5	145.6	134.7	123.8	114.9	106.0	98.0	92.1	89.1	88.1
155°	143.6	139.6	131.7	122.8	113.9	106.0	99.0	93.1	89.1	86.2	86.2
157.5°	130.7	126.8	120.8	112.9	106.0	99.0	94.1	89.1	87.1	84.2	84.2
160°	119.8	116.9	111.9	105.0	99.0	94.1	90.1	86.2	85.2	83.2	83.2
162.5°	110.9	108.9	104.0	99.0	95.1	91.1	88.1	85.2	83.2	82.2	82.2
165°	105.0	103.0	100.0	96.1	92.1	89.1	87.1	84.2	83.2	83.2	82.2
167.5°	102.0	100.0	97.1	93.1	90.1	89.1	87.1	85.2	84.2	84.2	83.2
170°	99.0	98.0	96.1	93.1	90.1	89.1	88.1	86.2	86.2	85.2	85.2
172.5°	98.0	97.1	95.1	93.1	91.1	90.1	89.1	88.1	88.1	88.1	87.1
175°	97.1	97.1	95.1	93.1	92.1	92.1	91.1	90.1	90.1	90.1	90.1
177.5°	97.1	96.1	96.1	95.1	94.1	94.1	94.1	93.1	93.1	93.1	93.1
180°	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

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

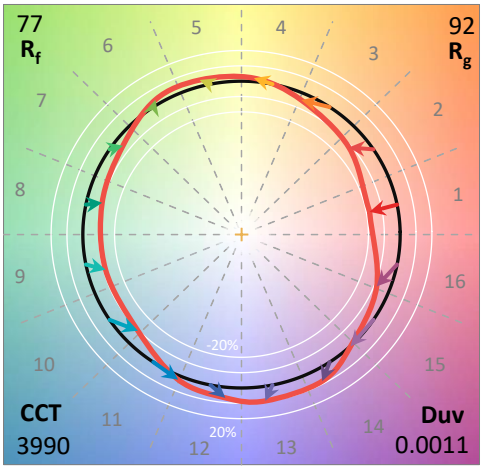
Test Information

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

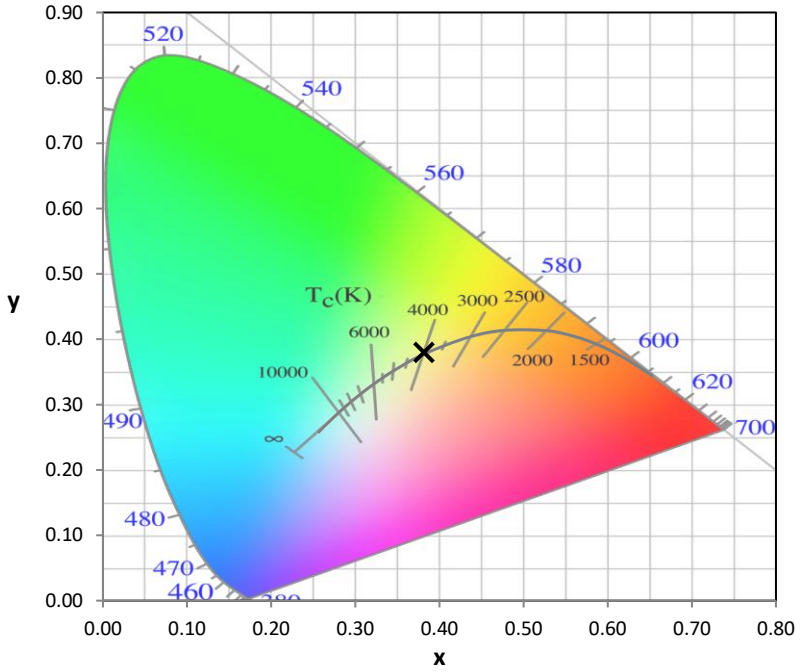
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

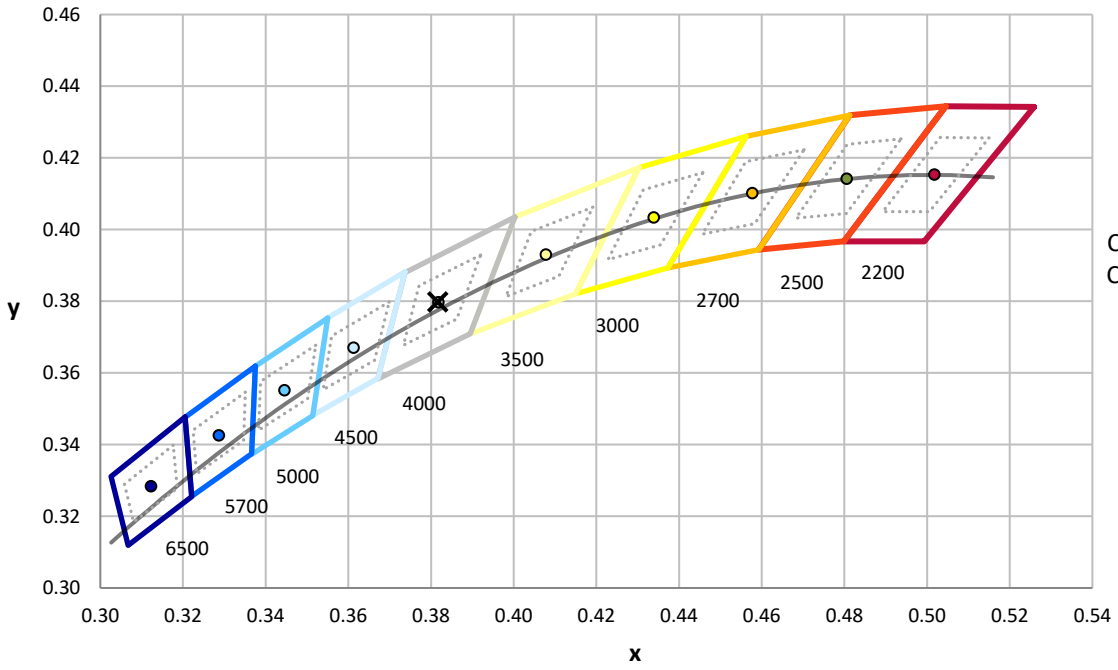
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

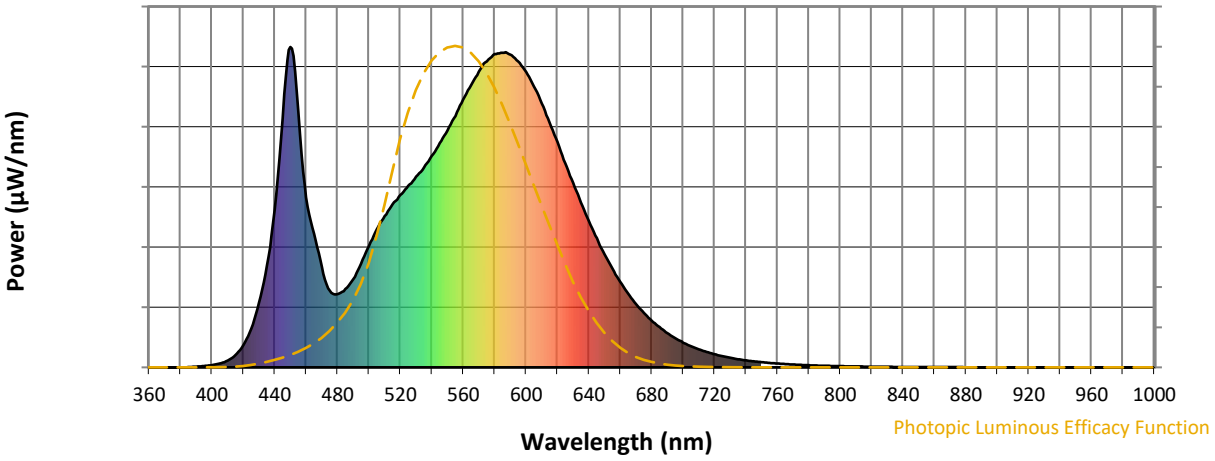


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

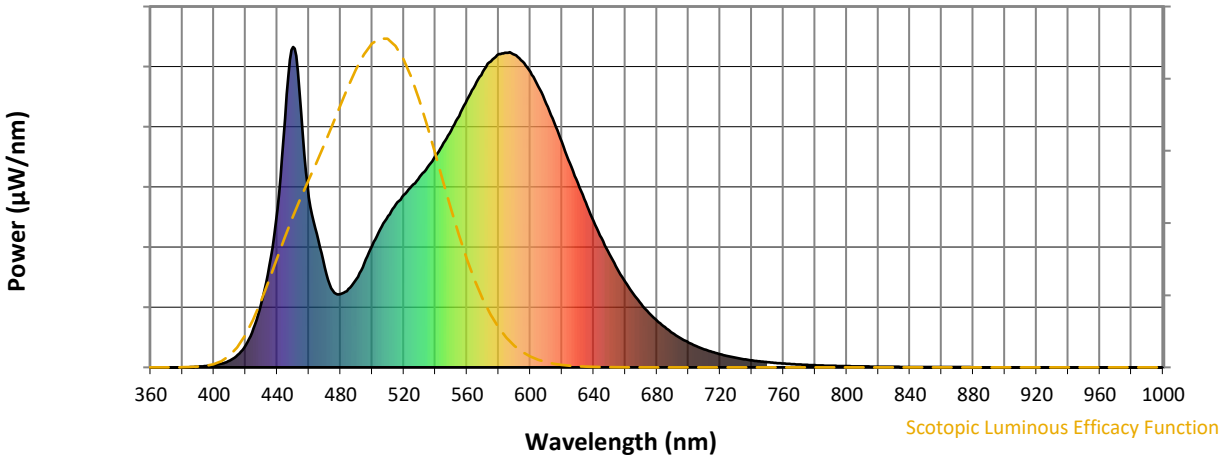


Photopic Lumens: NR

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

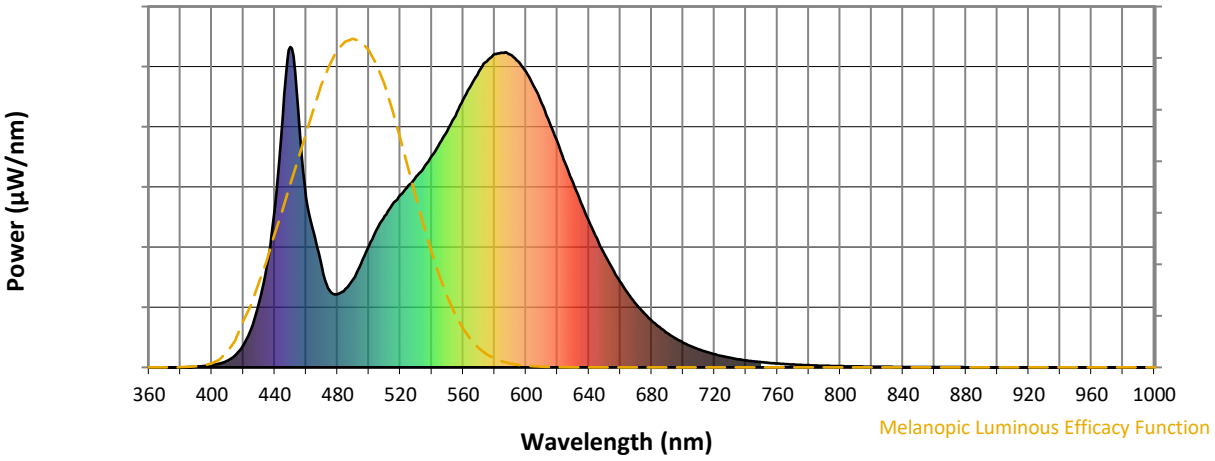


Scotopic Lumens: NR **S/P: 1.59**

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			

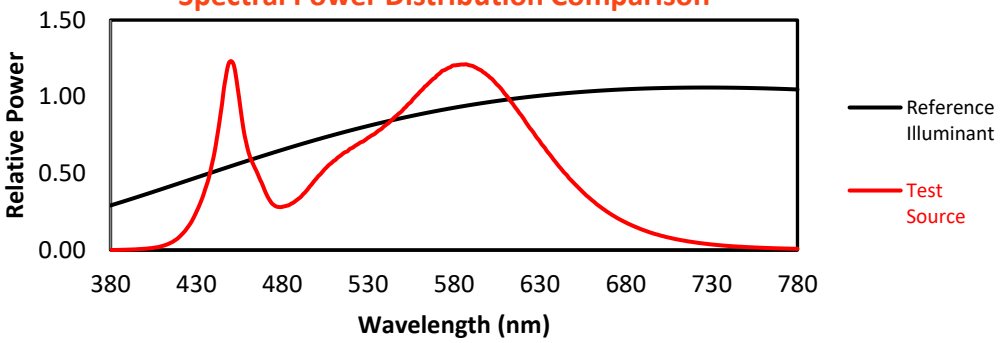
REPORT NUMBER: SP1-2501-332-1

TM-30-18

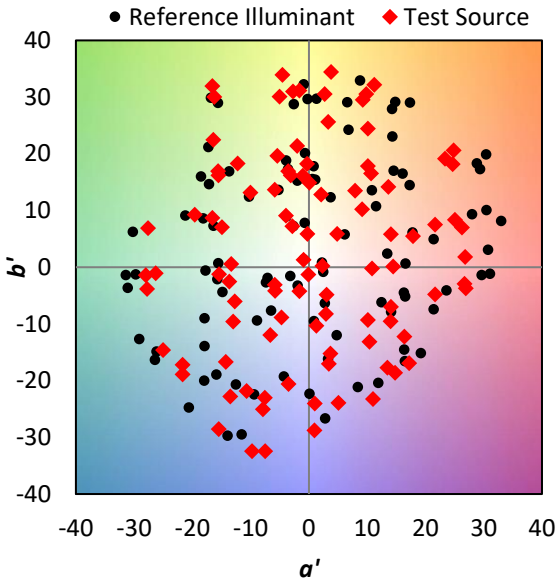
Summary

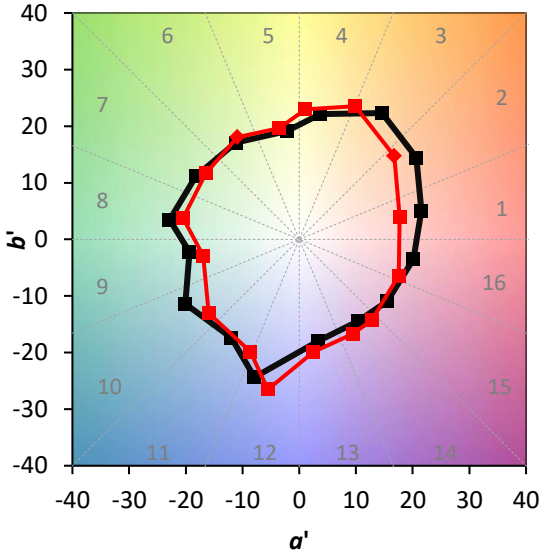
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

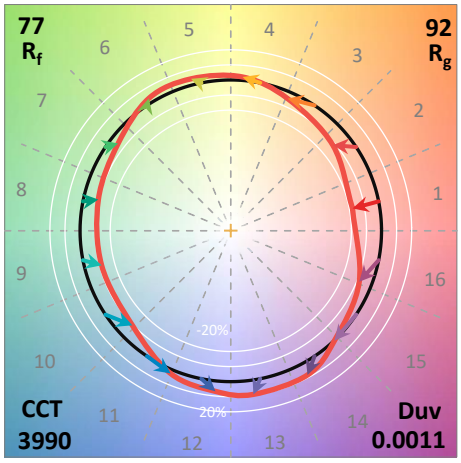
Spectral Power Distribution Comparison

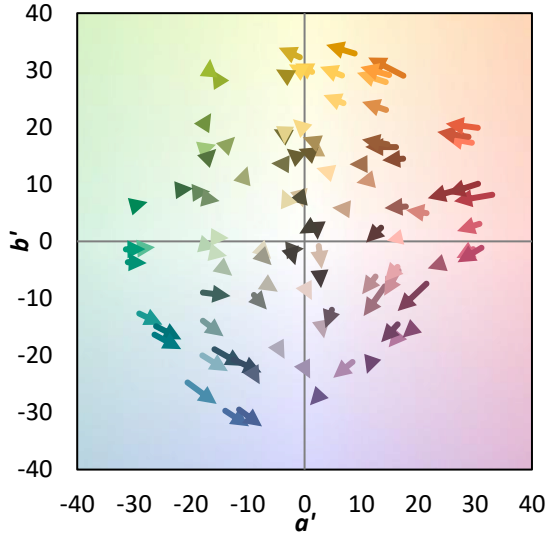


Color Vector Graphics







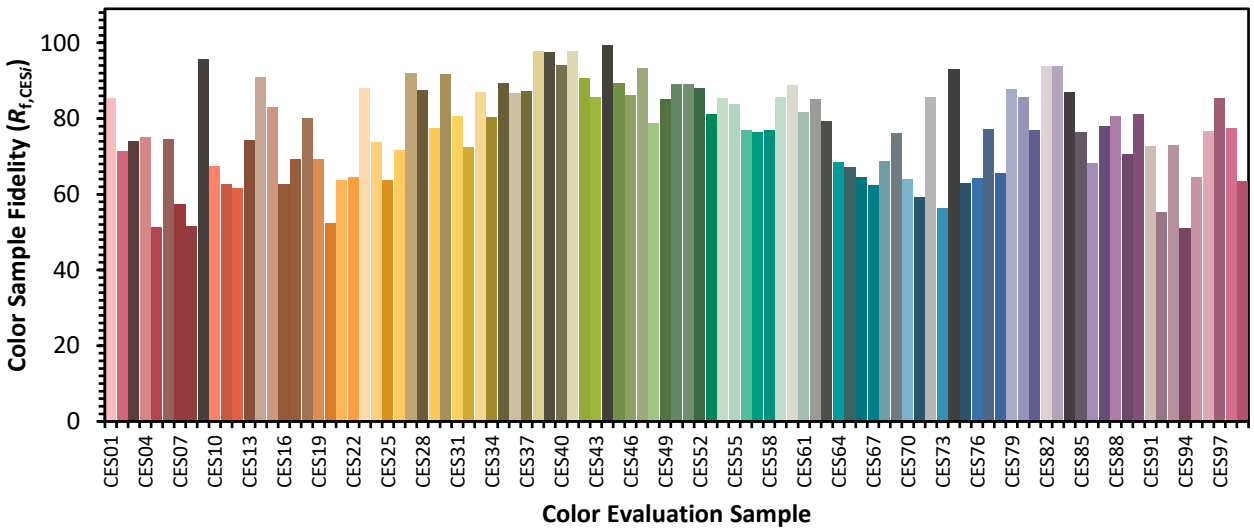


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

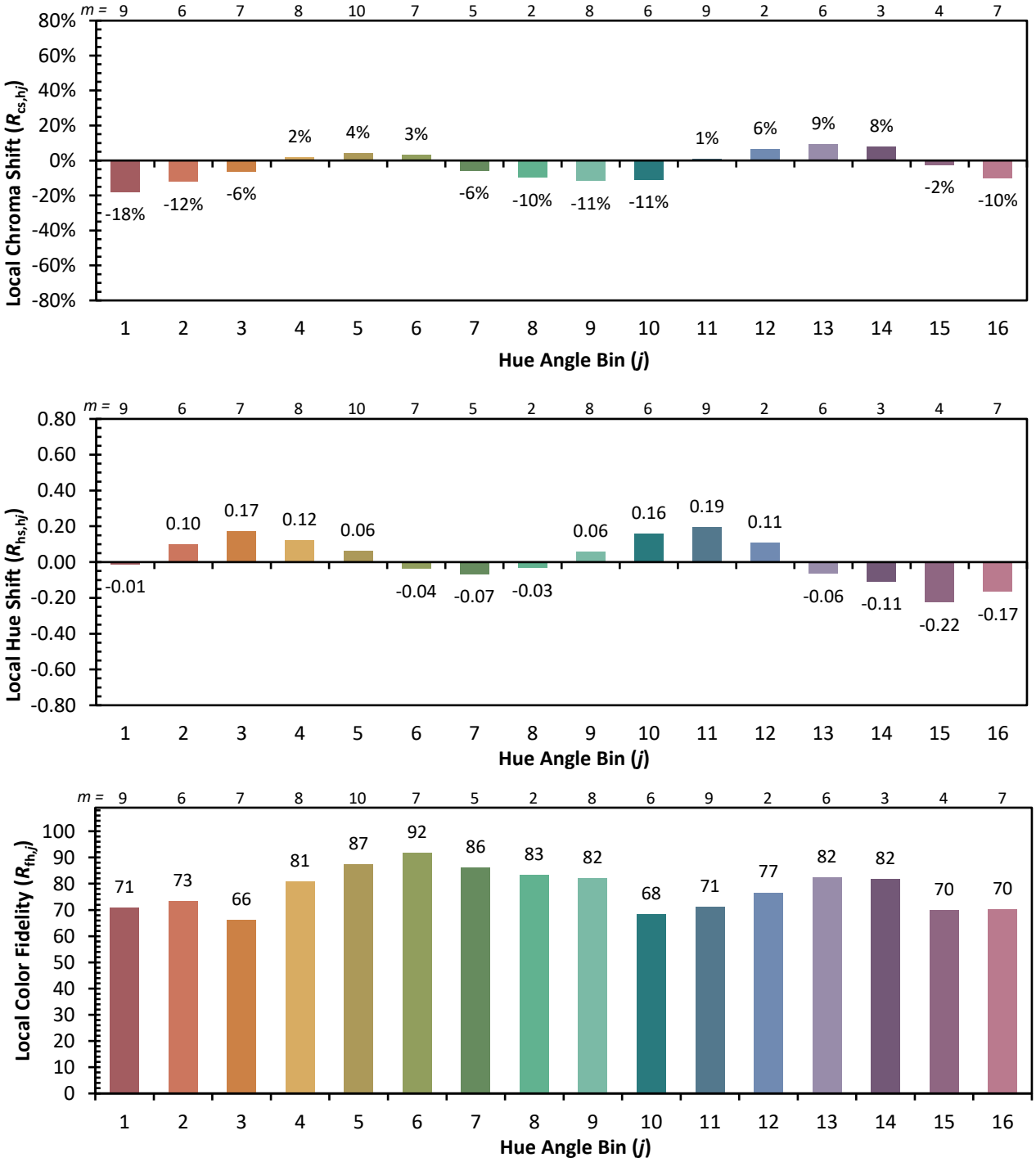
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57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



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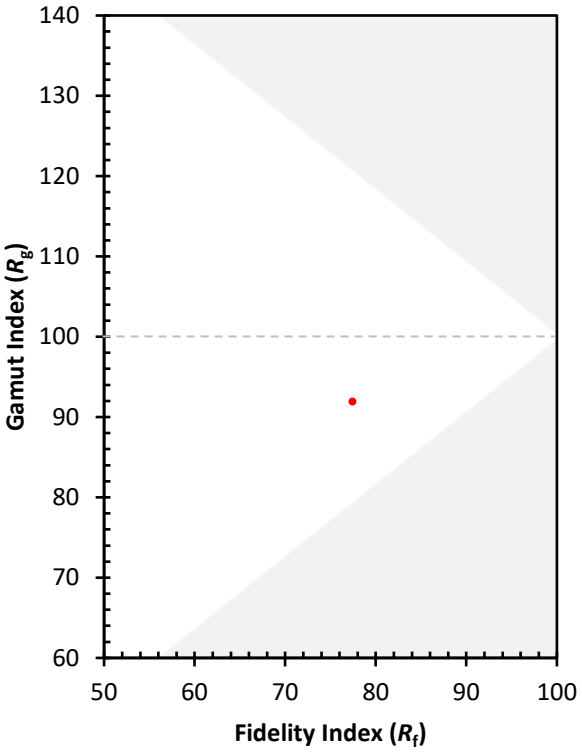
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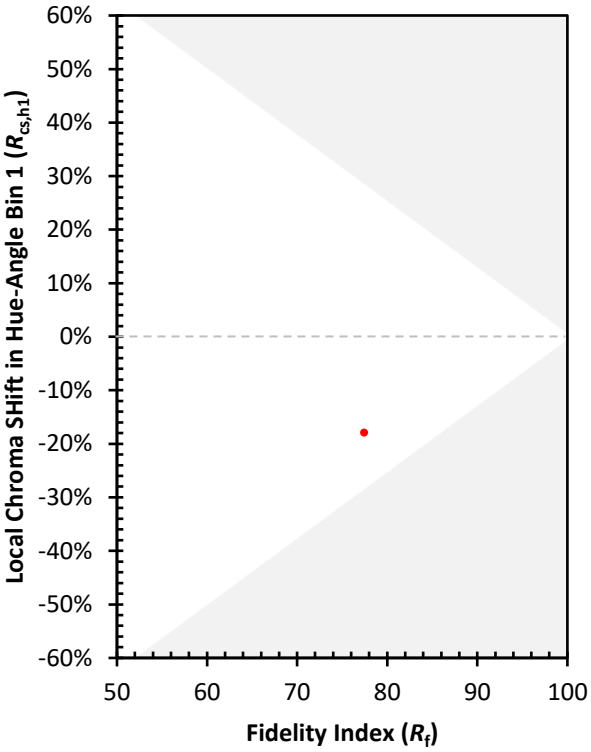


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Measure Comparisons





(END OF REPORT)