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: P1046393

Luminaire Tested: **FFX-CLB-60-740-U-FR-T4**

Issue Date: 07/01/2025

Report Generated By 670347003

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:	P1046393
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-740-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9914.5 lumens
Efficiency:	N/A
Efficacy:	163.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U5 - G3

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

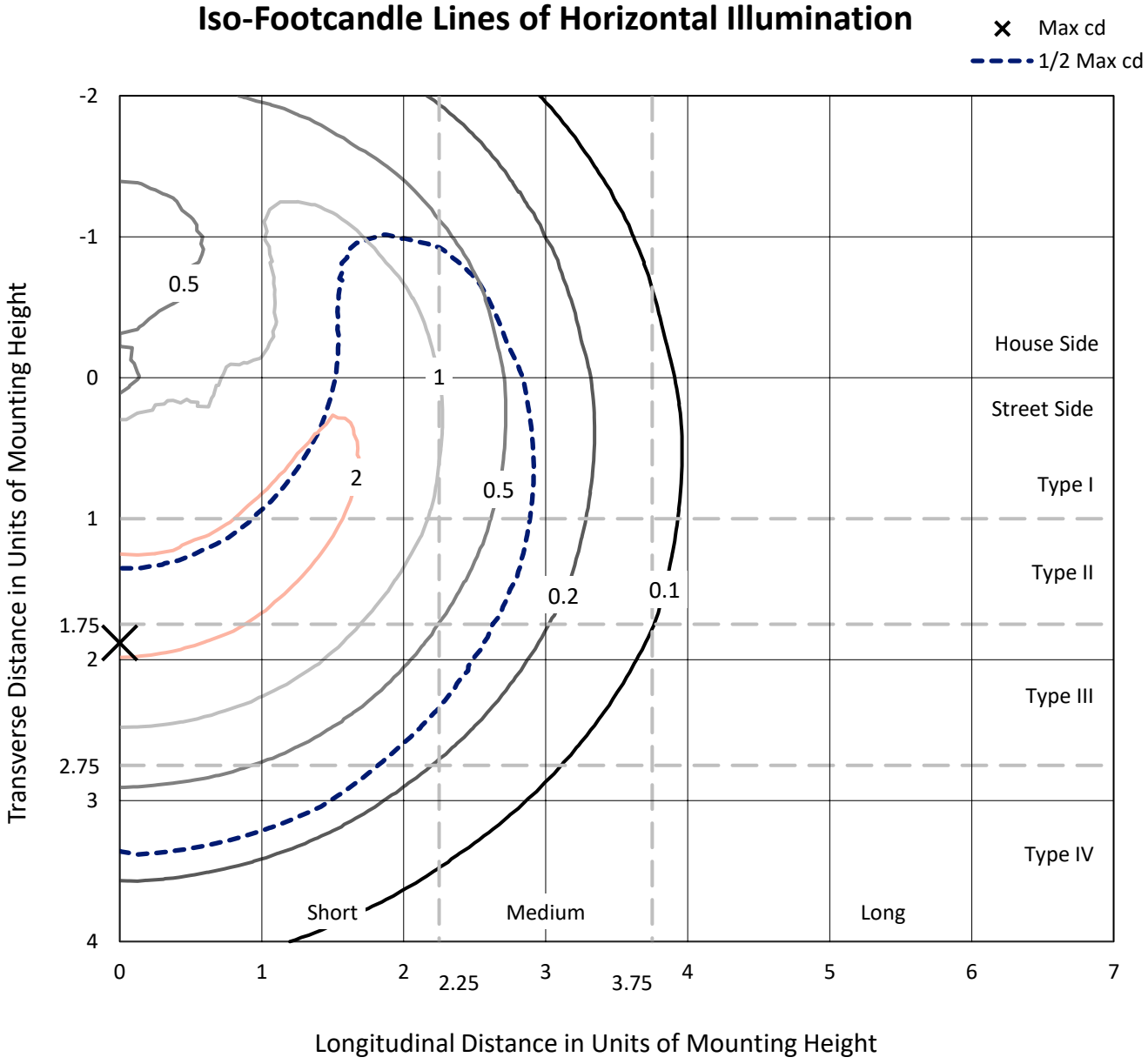


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Iso-Footcandle Lines of Horizontal Illumination



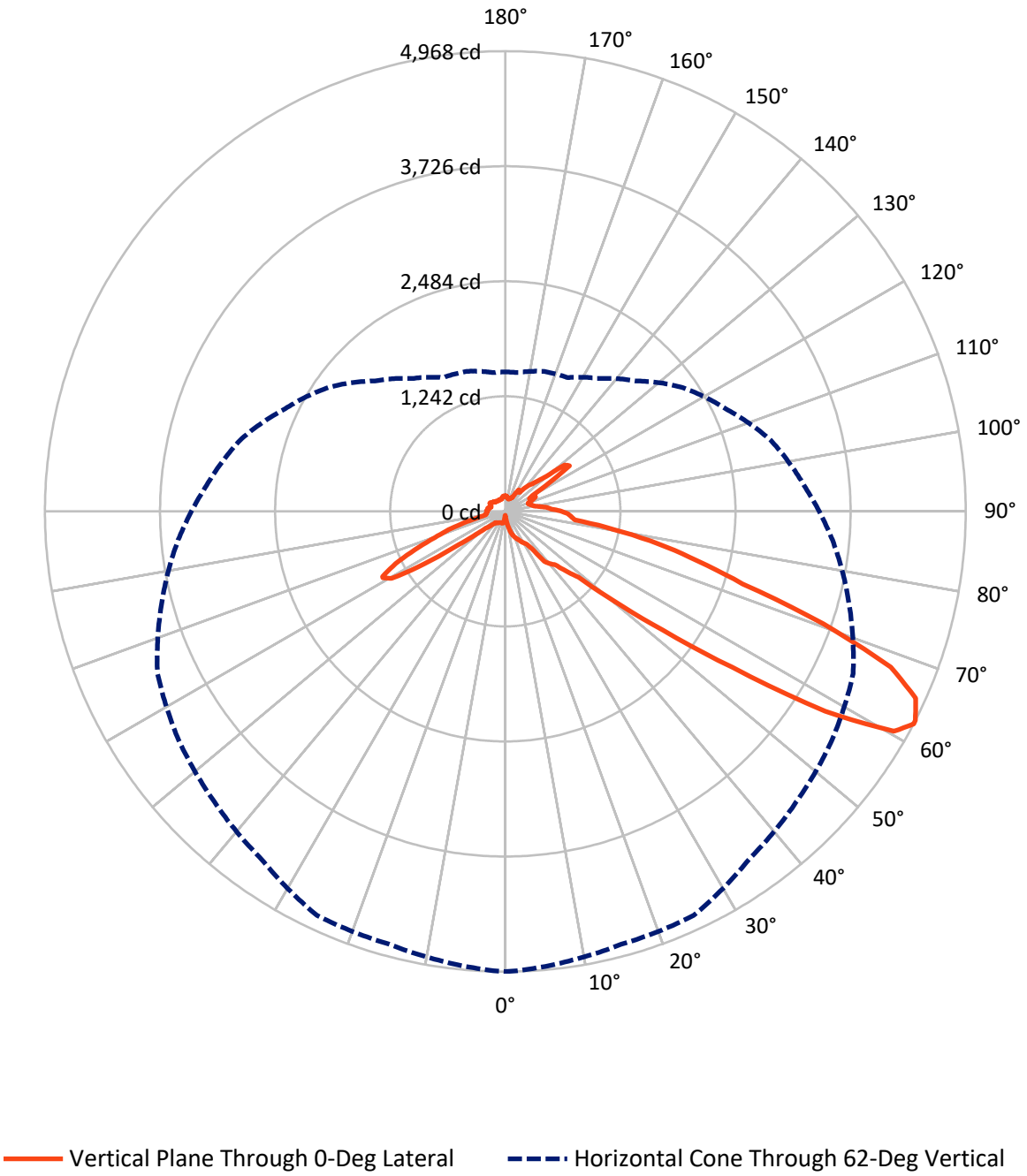
Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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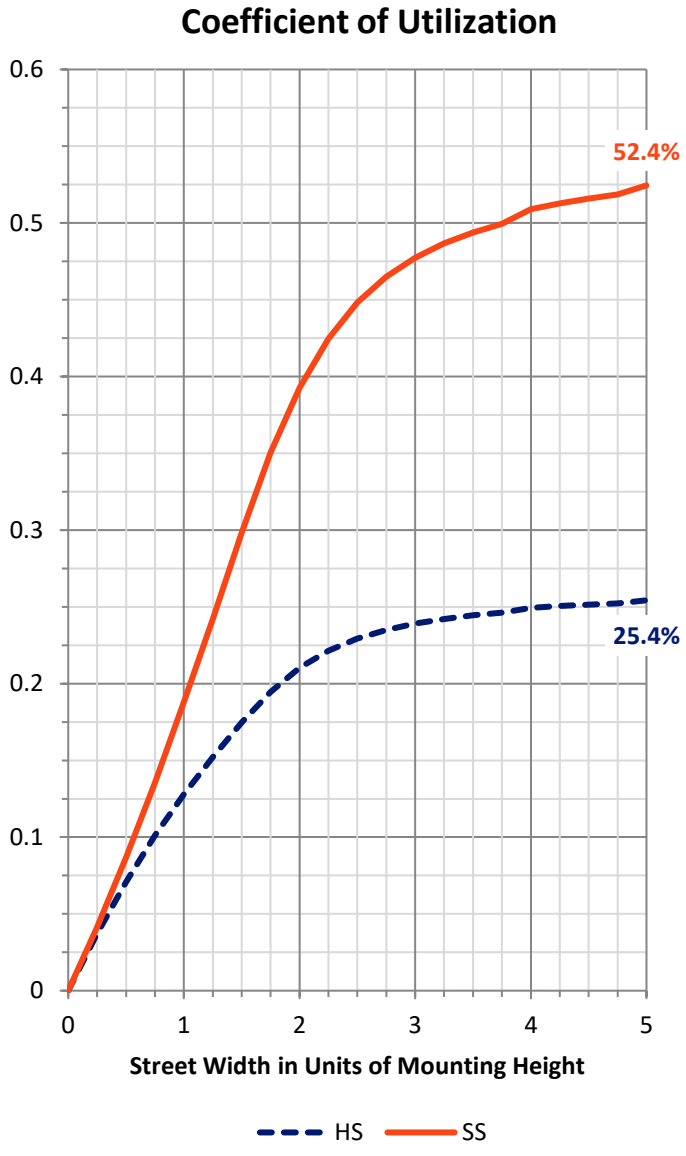
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2608.6	745.3	3354.0
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	5415.7	1144.8	6560.5
	% Fixture	54.6	11.5	66.2
Total	Lumens	8024.3	1890.2	9914.5
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.1
10°-20°	55.0	0.6
20°-30°	119.1	1.2
30°-40°	238.4	2.4
40°-50°	522.2	5.3
50°-60°	1828.3	18.4
60°-70°	3059.8	30.9
70°-80°	1588.2	16.0
80°-90°	603.2	6.1
90°-100°	384.6	3.9
100°-110°	254.9	2.6
110°-120°	266.3	2.7
120°-130°	445.0	4.5
130°-140°	267.8	2.7
140°-150°	141.6	1.4
150°-160°	74.5	0.8
160°-170°	40.4	0.4
170°-180°	15.1	0.2
0°-90°	8024.3	80.9
0°-180°	9914.5	100.0



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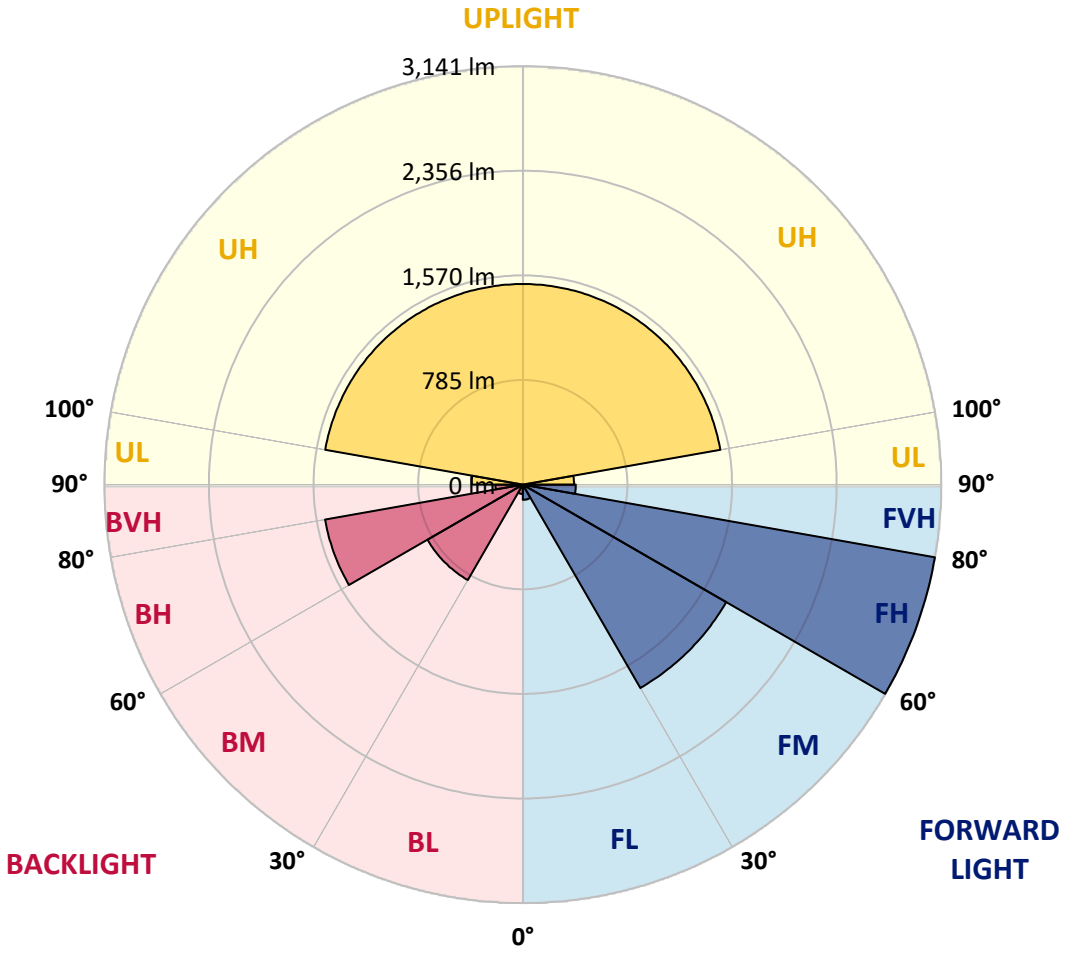
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	114.2	1.2			
FM	(30°-60°)	1762.7	17.8			
FH	(60°-80°)	3140.9	31.7			G2/5000
FVH	(80°-90°)	397.8	4.0			G3/500
BL	(0°-30°)	69.9	0.7	B0/110		
BM	(30°-60°)	826.3	8.3	B1/1000		
BH	(60°-80°)	1507.1	15.2	B3/2500		G3/2500
BVH	(80°-90°)	205.3	2.1			G2/225
UL	(90°-100°)	384.6	3.9		U3/500	
UH	(100°-180°)	1505.5	15.2		U5	

BUG Rating: B3-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	62.4	61.2	61.2	63.7	66.9	66.9	67.5	65.6	65.6	65.0	65.6
5°	90.8	88.3	89.6	90.2	91.5	92.7	94.0	94.0	91.5	89.6	84.5
7.5°	126.8	126.1	127.4	126.8	125.5	128.7	130.6	135.0	136.2	128.0	117.9
10°	163.4	161.5	160.8	161.5	162.1	160.2	164.0	167.1	162.7	153.3	144.4
12.5°	203.1	203.1	203.1	202.5	202.5	201.8	200.6	199.9	195.5	184.8	170.9
15°	247.2	247.9	249.1	248.5	245.3	240.3	236.5	233.4	230.8	223.3	205.6
17.5°	274.4	273.1	274.4	273.7	272.5	269.3	262.4	256.1	247.9	237.1	223.9
20°	299.6	299.0	298.3	298.3	297.1	293.3	288.9	278.8	268.0	256.7	241.6
22.5°	319.1	317.9	319.1	318.5	317.9	316.6	309.0	300.2	288.2	275.6	259.8
25°	344.4	343.7	344.4	342.5	342.5	340.6	336.2	324.8	311.6	297.7	278.1
27.5°	372.1	370.2	372.1	371.5	369.0	363.9	360.1	347.5	331.1	317.9	300.2
30°	395.4	395.4	396.7	392.9	395.4	391.0	382.2	368.3	354.5	337.4	319.1
32.5°	420.0	420.0	418.8	418.2	421.3	415.6	405.5	389.1	377.8	360.1	344.4
35°	488.8	483.7	491.9	491.3	507.1	495.7	476.8	454.7	437.1	414.4	393.6
37.5°	686.2	683.7	679.9	655.9	628.2	632.6	635.7	611.1	589.1	548.1	499.5
40°	742.3	741.7	741.1	727.2	734.8	714.6	704.5	691.9	688.1	634.5	569.5
42.5°	788.4	780.8	788.4	813.6	853.3	839.5	788.4	722.8	710.8	659.7	633.2
45°	913.2	908.2	920.8	928.4	915.8	893.1	907.6	859.6	826.8	754.3	705.8
47.5°	1062.7	1057.7	1069.7	1076.0	1101.8	1077.9	1066.5	1025.5	970.6	901.9	838.8
50°	1508.6	1451.9	1497.9	1482.1	1488.4	1434.8	1456.3	1397.6	1348.4	1235.5	1121.4
52.5°	2129.9	2110.9	2079.4	2044.1	2071.2	2013.8	2031.5	1967.8	1878.8	1747.7	1579.3
55°	2970.6	2906.9	2927.1	2999.6	2984.5	2881.7	2864.0	2708.8	2549.3	2353.1	2175.9
57.5°	4070.5	4039.0	4002.4	3953.8	3906.5	3800.0	3747.6	3574.2	3326.3	3052.6	2806.0
60°	4819.2	4793.9	4777.5	4629.3	4542.3	4327.8	4279.3	4158.8	3938.1	3640.4	3300.4
62°	4968.0	4964.2	4930.8	4838.7	4812.9	4585.8	4438.2	4303.9	4141.8	3839.7	3543.9
62.5°	4966.7	4959.2	4939.6	4862.7	4836.2	4623.6	4463.4	4320.9	4159.4	3863.0	3572.3
65°	4865.8	4848.8	4840.0	4793.9	4781.9	4657.1	4444.5	4297.6	4162.0	3835.3	3593.1
67.5°	4486.2	4506.3	4507.6	4461.6	4421.8	4347.4	4144.3	4016.9	3923.6	3583.0	3354.7
70°	3641.6	3614.5	3586.8	3608.2	3590.6	3550.2	3388.7	3228.5	3111.9	2933.4	2717.0
72.5°	2676.7	2719.6	2718.9	2725.2	2728.4	2626.9	2555.0	2462.9	2399.8	2245.3	2090.8
75°	2145.6	2149.4	2137.4	2093.3	2046.0	1987.3	1999.9	1991.7	1961.5	1798.1	1644.9
77.5°	1694.1	1652.4	1669.5	1600.1	1538.9	1538.3	1562.9	1586.8	1600.1	1468.9	1350.3
80°	1192.6	1183.2	1168.1	1174.4	1123.9	1137.1	1149.1	1165.5	1139.7	1062.1	1007.2
82.5°	753.1	744.9	732.9	790.9	839.5	828.7	790.3	728.5	713.9	719.6	707.0
85°	712.1	711.4	700.7	695.0	687.5	670.4	679.9	693.1	685.6	642.7	587.2
87.5°	672.3	670.4	662.2	659.1	644.6	642.7	651.5	656.6	659.7	621.2	574.6
90°	589.1	581.5	573.9	580.2	578.3	579.6	582.1	580.9	582.1	536.7	517.2
92.5°	491.3	489.4	483.7	486.9	491.3	509.0	501.4	489.4	487.5	469.2	450.3
95°	448.4	449.7	442.7	447.2	448.4	448.4	443.4	437.7	433.3	418.8	401.8
97.5°	371.5	365.8	363.3	366.4	367.7	363.3	360.1	350.7	350.0	335.5	327.3
100°	316.0	314.7	313.5	317.2	318.5	316.6	317.2	311.6	310.9	302.7	293.9
102.5°	295.2	294.5	293.9	297.1	298.3	297.1	295.2	289.5	290.8	281.9	275.6
105°	278.8	278.8	278.1	280.0	276.2	274.4	271.8	271.8	273.1	266.2	256.7
107.5°	260.5	259.8	260.5	259.8	255.4	253.5	252.9	251.0	255.4	251.6	241.6

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*263.6*	263.6	263.0	256.1	253.5	250.4	249.1	252.3	251.0	244.7	238.4
112.5°	*322.9*	319.1	321.7	312.2	307.8	310.3	311.6	314.1	319.1	309.0	299.6
115°	*360.8*	361.4	367.7	367.7	358.2	362.7	362.7	362.0	367.1	359.5	350.0
117.5°	*294.5*	298.3	318.5	305.9	309.0	311.6	295.8	290.1	288.9	290.8	310.9
120°	*339.3*	334.3	353.2	313.5	301.5	301.5	312.8	327.3	311.6	287.6	293.9
122.5°	*555.0*	555.6	556.3	573.3	571.4	576.5	567.6	556.3	523.5	524.1	494.5
125°	*849.5*	841.4	841.4	833.8	832.5	820.5	835.7	845.1	819.9	777.0	730.3
127.5°	*813.0*	830.6	824.3	805.4	787.1	780.8	798.5	828.1	813.6	775.8	732.9
130°	*577.1*	581.5	580.2	600.4	605.5	599.2	605.5	584.0	587.2	596.0	573.3
132.5°	*483.7*	481.2	490.1	517.8	528.5	515.9	498.3	482.5	483.1	502.0	500.8
135°	*416.9*	415.0	421.3	422.6	434.6	424.5	408.7	408.7	412.5	416.9	415.0
137.5°	*376.5*	374.0	375.9	361.4	346.9	346.3	358.9	365.8	362.0	357.6	352.6
140°	*324.2*	325.4	322.3	310.3	304.0	305.3	313.5	324.2	321.0	311.6	304.0
142.5°	*258.0*	255.4	259.2	268.0	280.7	280.7	268.0	254.8	254.2	258.6	264.9
145°	*254.2*	252.9	253.5	251.6	254.2	251.6	247.9	244.1	239.7	236.5	234.0
147.5°	*275.6*	275.6	275.0	271.8	269.3	264.9	266.2	270.6	273.1	270.6	266.8
150°	*223.9*	225.8	225.8	225.2	222.6	224.5	227.1	228.3	230.8	230.8	227.1
152.5°	*172.2*	171.5	173.4	170.9	170.3	171.5	174.7	177.2	177.9	177.9	172.8
155°	*164.0*	162.7	164.0	162.7	161.5	162.7	165.2	166.5	167.8	165.9	160.8
157.5°	*153.3*	153.3	153.3	152.0	152.6	152.6	153.9	154.5	155.2	154.5	153.3
160°	*145.1*	145.1	145.7	145.1	145.1	146.3	145.7	145.1	145.1	144.4	143.8
162.5°	*140.0*	140.0	140.0	140.0	139.4	139.4	140.0	139.4	138.8	138.1	139.4
165°	*137.5*	136.9	136.9	136.9	137.5	136.9	136.9	136.9	136.2	138.1	140.6
167.5°	*142.5*	141.3	141.9	142.5	142.5	141.9	141.9	141.9	143.2	145.1	147.0
170°	*149.5*	148.8	148.8	149.5	149.5	148.8	148.8	148.8	149.5	150.1	150.7
172.5°	*155.2*	154.5	154.5	154.5	153.9	153.3	153.3	153.3	153.3	153.3	153.9
175°	*160.8*	160.8	160.8	160.8	160.2	159.6	159.6	159.6	159.6	159.6	159.6
177.5°	*167.1*	166.5	167.1	166.5	166.5	166.5	165.9	165.2	164.6	164.6	164.6
180°	*165.9*	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	64.3	63.7	59.9	56.8	54.2	51.7	47.9	44.8	42.3	41.6	41.6
5°	83.3	82.0	78.2	73.2	70.6	66.9	63.1	60.5	57.4	56.1	56.8
7.5°	114.8	115.4	116.7	119.2	117.9	107.2	95.2	92.7	95.2	99.0	100.9
10°	142.5	140.6	140.0	148.2	146.3	130.6	114.8	109.7	114.2	122.4	126.1
12.5°	165.2	161.5	160.8	162.1	154.5	137.5	124.2	118.6	121.1	127.4	126.8
15°	198.7	193.0	184.8	179.7	170.3	158.3	141.9	132.4	132.4	132.4	131.8
17.5°	218.2	211.9	196.1	181.6	169.7	160.8	150.1	141.3	131.8	130.6	129.9
20°	235.3	225.8	208.8	193.0	177.9	165.2	150.1	139.4	131.2	129.9	129.3
22.5°	249.8	240.9	222.6	203.7	184.8	170.3	153.9	142.5	134.3	131.8	131.2
25°	269.3	259.8	239.0	217.0	194.9	176.6	161.5	148.2	138.1	133.1	133.1
27.5°	288.9	278.1	254.8	232.1	208.1	185.4	168.4	155.2	142.5	135.6	135.0
30°	307.8	295.8	270.6	244.7	220.7	196.8	177.2	162.1	148.2	140.6	140.0
32.5°	334.3	320.4	290.8	258.6	234.6	208.8	186.7	169.0	154.5	147.0	145.7
35°	386.0	370.2	336.8	295.2	257.3	222.6	196.1	172.8	158.9	150.7	150.1
37.5°	481.9	463.6	416.9	365.8	314.1	261.7	213.2	177.9	162.1	154.5	153.3
40°	539.2	503.3	454.1	413.7	374.6	324.2	261.7	206.2	168.4	159.6	158.3
42.5°	613.7	576.5	505.2	428.2	378.4	338.7	294.5	258.6	204.3	172.8	167.1
45°	684.3	655.9	594.7	512.8	437.1	368.3	313.5	278.8	244.1	208.1	202.5
47.5°	802.9	761.3	680.5	596.6	519.7	442.7	377.8	310.3	265.5	244.1	242.8
50°	1106.9	1031.2	914.5	814.2	669.2	551.2	474.3	384.1	326.7	293.3	282.6
52.5°	1499.8	1421.0	1287.9	1142.8	982.0	830.0	679.3	550.0	456.6	398.0	399.9
55°	2085.1	2006.2	1810.7	1562.2	1341.5	1183.2	1021.7	864.7	714.6	628.2	617.5
57.5°	2702.5	2631.9	2464.8	2161.4	1810.1	1517.5	1325.7	1214.7	1137.8	1043.8	1043.8
60°	3155.4	3038.1	2848.9	2543.0	2231.4	1846.7	1600.7	1441.8	1427.9	1411.5	1424.1
62°	*3386.8*	*3235.5*	*2965.5*	*2621.8*	*2332.3*	*1989.9*	*1750.8*	*1593.1*	*1565.4*	*1503.6*	*1504.8*
62.5°	3425.9	3258.8	2985.1	2621.8	2341.1	2002.5	1767.2	1613.3	1574.9	1499.2	1500.4
65°	3465.1	3263.9	2999.6	2579.6	2291.3	1958.9	1777.9	1577.4	1476.5	1349.7	1312.5
67.5°	3240.5	3034.3	2807.9	2398.5	2099.0	1777.9	1577.4	1376.2	1211.6	1082.9	1062.7
70°	2631.9	2469.8	2295.1	1982.3	1720.5	1460.7	1290.4	1108.8	944.8	802.9	811.7
72.5°	1997.4	1846.1	1685.9	1487.2	1324.5	1149.8	999.0	852.7	716.5	628.2	644.6
75°	1547.1	1446.2	1332.7	1188.2	1064.6	903.2	731.6	601.7	509.6	456.0	459.1
77.5°	1272.1	1167.4	1074.7	942.3	825.0	659.7	494.5	383.5	329.9	305.9	299.6
80°	978.2	901.9	819.9	701.3	572.0	444.6	332.4	280.7	245.3	227.7	220.7
82.5°	683.0	635.7	567.0	481.2	406.8	360.1	311.6	268.0	231.5	215.1	207.5
85°	562.6	537.4	499.5	450.9	406.8	355.1	300.8	256.7	225.2	212.5	205.6
87.5°	548.1	531.0	488.2	436.4	383.5	330.5	275.6	234.6	214.4	206.2	199.9
90°	502.7	483.1	452.8	401.8	354.5	297.7	252.9	228.3	213.2	203.7	196.8
92.5°	438.3	427.6	399.9	363.3	330.5	293.9	261.7	239.7	223.9	212.5	205.6
95°	389.8	377.2	361.4	331.7	304.6	275.0	245.3	224.5	208.1	196.1	190.5
97.5°	320.4	311.6	296.4	276.9	256.7	232.7	211.9	198.0	187.3	181.6	177.9
100°	290.8	285.1	276.2	262.4	246.0	228.9	213.8	206.2	201.8	198.0	196.1
102.5°	269.3	263.0	256.1	241.6	228.9	213.8	203.7	197.4	191.7	185.4	184.2
105°	250.4	245.3	235.9	223.9	211.3	196.8	184.8	181.0	176.0	170.3	169.7
107.5°	235.9	230.8	222.6	210.0	198.7	186.1	175.3	169.7	164.0	160.8	160.2

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

Scaled Data Report

REPORT NUMBER: P1046393
CATALOG NUMBER: FFX-CLB-60-740-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	234.6	230.8	222.0	211.3	202.5	189.8	177.9	176.0	169.7	162.1	161.5
112.5°	292.6	280.7	263.6	246.0	230.8	218.2	203.1	187.9	175.3	167.8	166.5
115°	339.3	327.3	306.5	280.7	256.7	229.6	203.7	184.8	177.9	176.0	178.5
117.5°	319.1	293.9	258.6	242.8	222.0	207.5	197.4	193.0	181.6	184.8	187.9
120°	306.5	289.5	258.6	256.1	246.6	230.2	206.9	201.8	195.5	190.5	189.8
122.5°	492.6	476.2	440.9	387.2	329.2	290.1	275.6	245.3	208.8	181.0	176.6
125°	698.2	671.7	602.3	543.0	466.1	383.5	309.0	245.3	195.5	169.0	165.9
127.5°	712.1	682.4	621.9	541.8	444.0	343.1	266.2	220.1	186.7	169.0	165.9
130°	555.0	536.1	491.3	416.3	348.8	288.9	245.3	208.1	177.9	164.6	162.7
132.5°	490.7	473.7	410.0	347.5	302.7	256.7	220.1	184.8	158.9	150.1	148.8
135°	405.5	386.6	344.4	305.9	273.1	235.9	199.3	169.0	150.7	146.3	145.7
137.5°	346.3	337.4	305.9	278.8	249.1	217.0	186.7	163.4	152.0	148.2	147.6
140°	299.0	297.1	277.5	253.5	223.9	189.8	166.5	152.6	148.2	146.3	145.7
142.5°	264.3	261.7	240.3	212.5	186.1	168.4	159.6	155.2	151.4	146.3	145.1
145°	228.9	224.5	211.3	199.3	191.1	185.4	177.2	163.4	148.8	141.3	140.6
147.5°	260.5	252.9	238.4	221.4	203.7	185.4	168.4	153.9	141.9	137.5	136.9
150°	218.9	218.2	208.8	195.5	182.3	165.9	153.3	143.8	138.8	138.1	138.1
152.5°	169.7	169.7	169.7	166.5	160.2	151.4	141.9	136.2	136.2	138.8	139.4
155°	159.6	160.2	160.8	159.6	154.5	146.3	138.1	135.6	136.2	138.8	139.4
157.5°	152.0	152.0	152.6	151.4	148.8	143.2	137.5	135.0	135.6	136.9	137.5
160°	143.2	143.2	143.8	143.8	141.3	139.4	136.9	135.0	135.0	135.6	136.2
162.5°	140.0	140.0	140.0	140.0	139.4	139.4	139.4	139.4	138.8	138.8	138.8
165°	141.3	141.3	139.4	138.8	140.0	141.9	145.1	145.7	142.5	141.9	141.9
167.5°	147.6	147.6	145.7	144.4	146.3	148.2	152.6	153.9	151.4	148.8	148.8
170°	151.4	151.4	151.4	152.0	152.6	154.5	157.0	158.3	157.7	157.0	157.0
172.5°	153.9	153.9	155.2	156.4	158.3	159.6	160.8	162.1	163.4	163.4	164.0
175°	158.9	159.6	160.8	161.5	162.7	164.0	165.2	166.5	167.1	167.1	167.1
177.5°	164.0	164.0	164.0	164.6	165.2	165.9	166.5	167.1	167.1	167.8	168.4
180°	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9

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

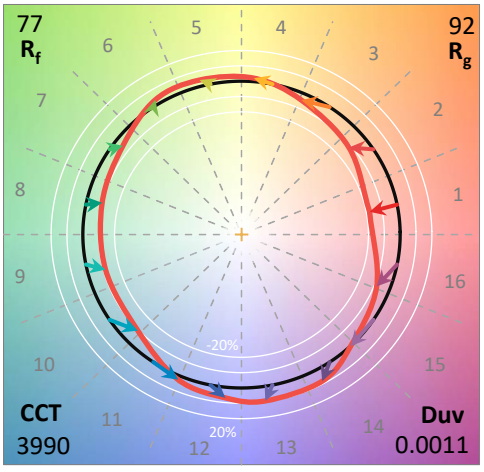
Test Information

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

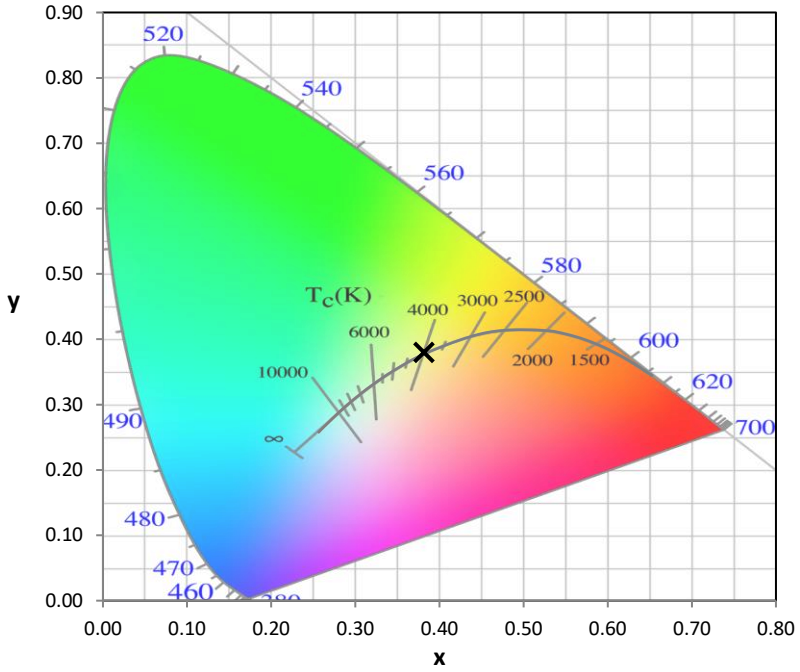
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

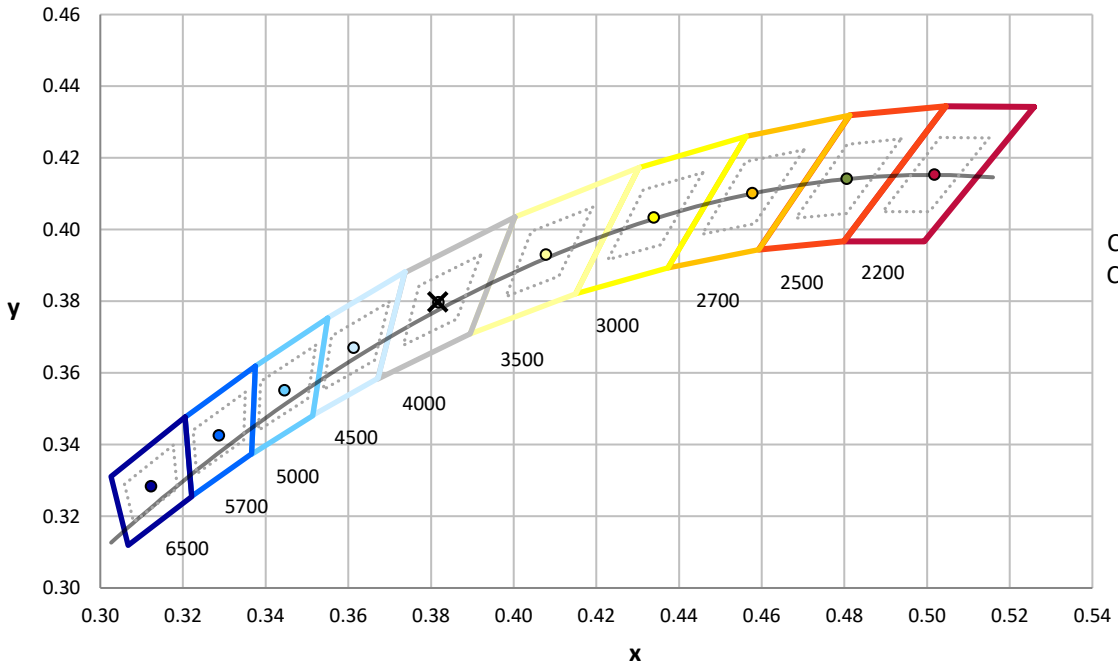
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

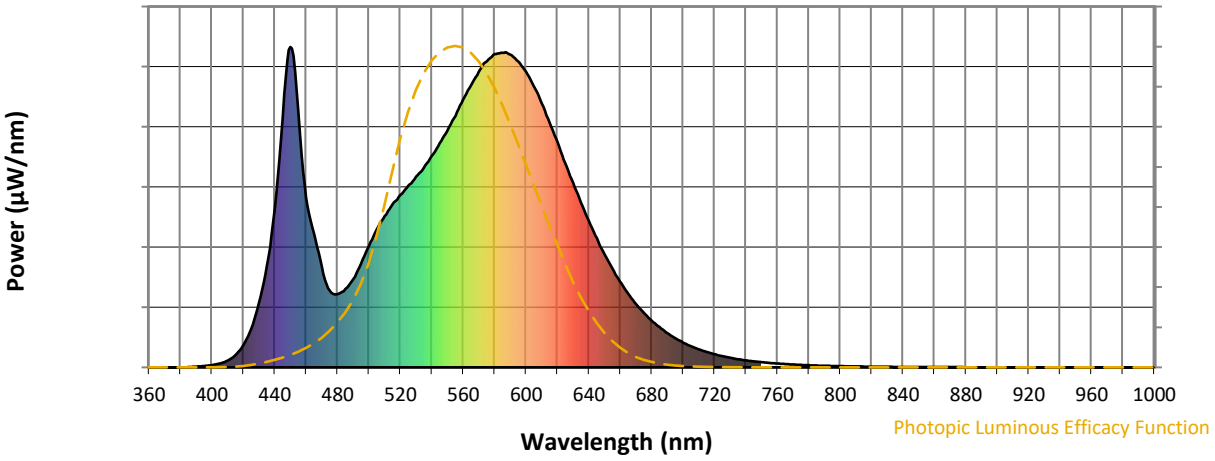


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

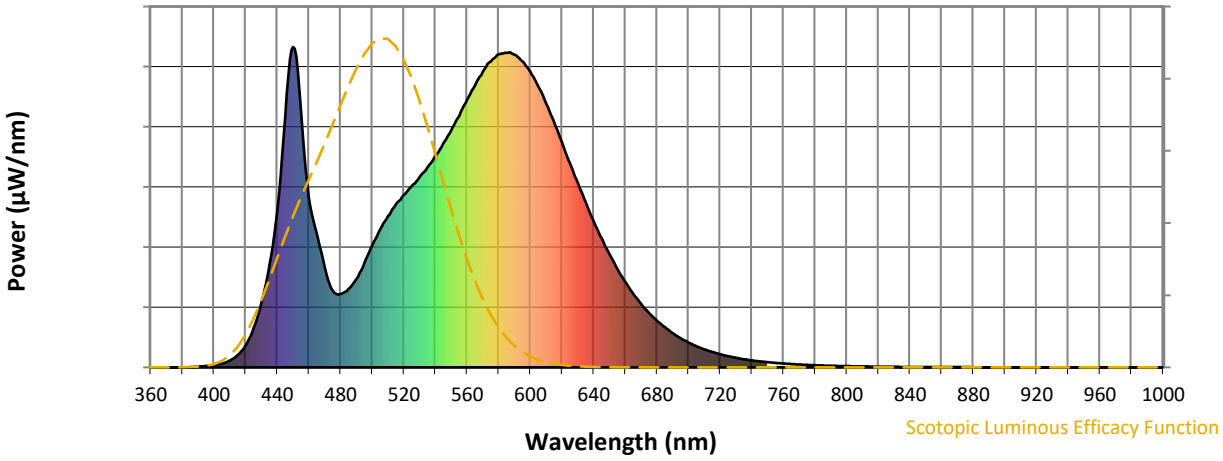


Photopic Lumens: NR

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

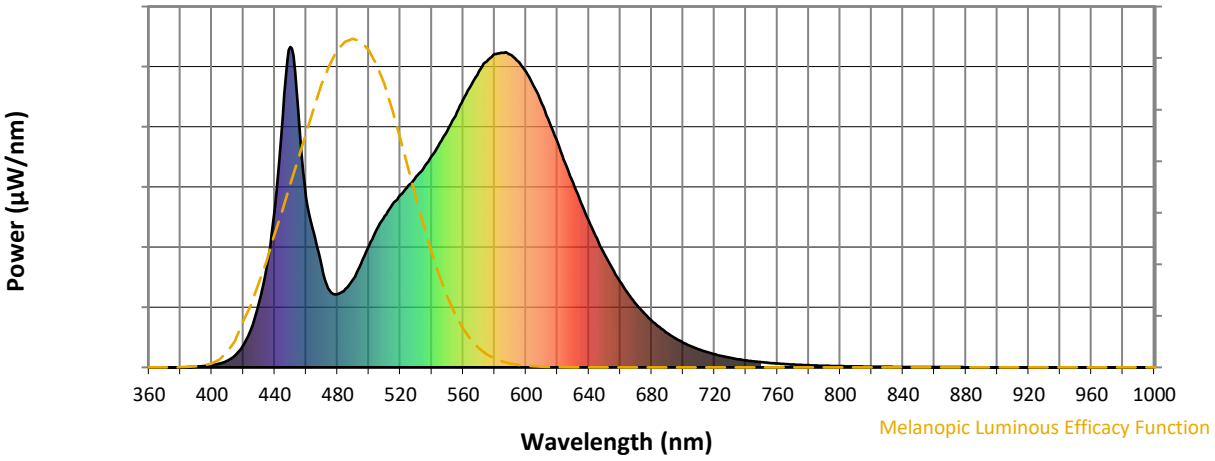


Scotopic Lumens: NR **S/P: 1.59**

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			

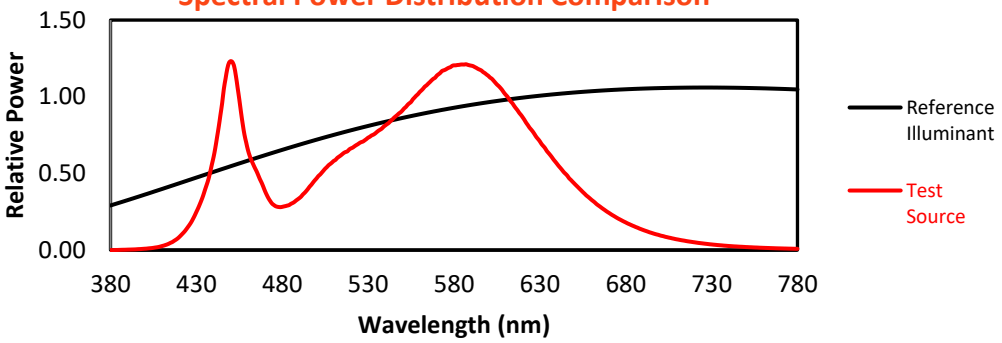
REPORT NUMBER: SP1-2501-332-1

TM-30-18

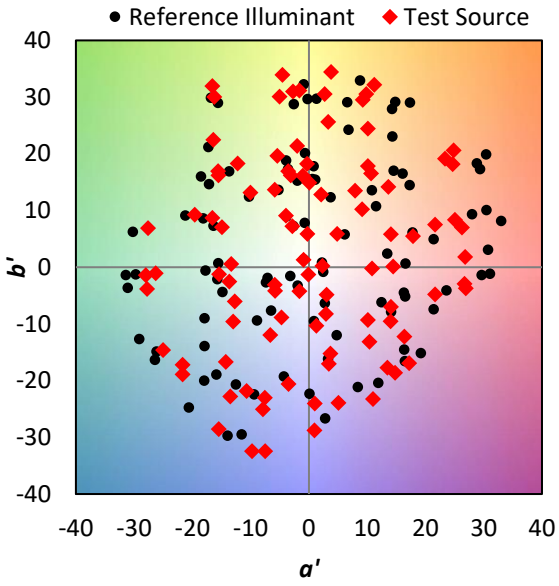
Summary

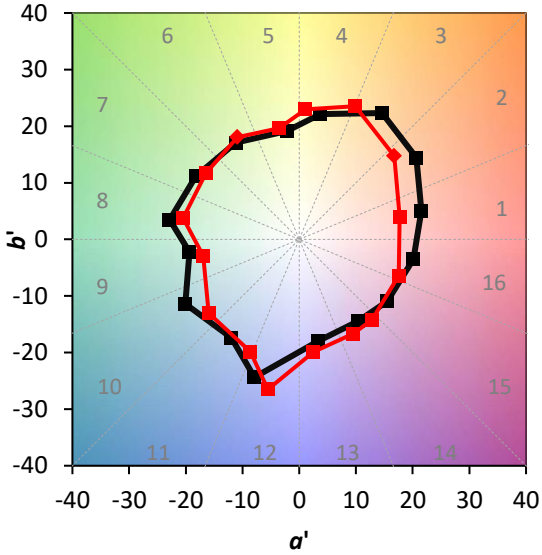
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

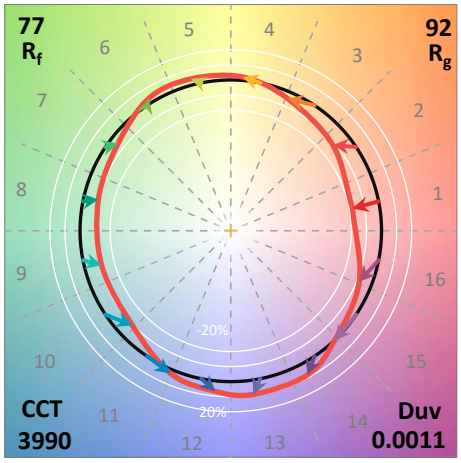
Spectral Power Distribution Comparison

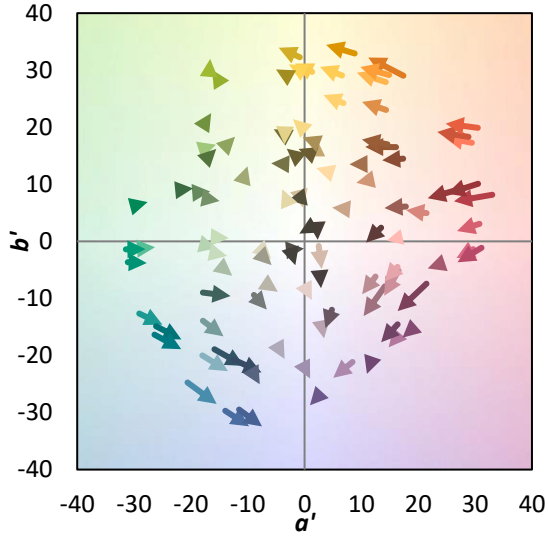


Color Vector Graphics







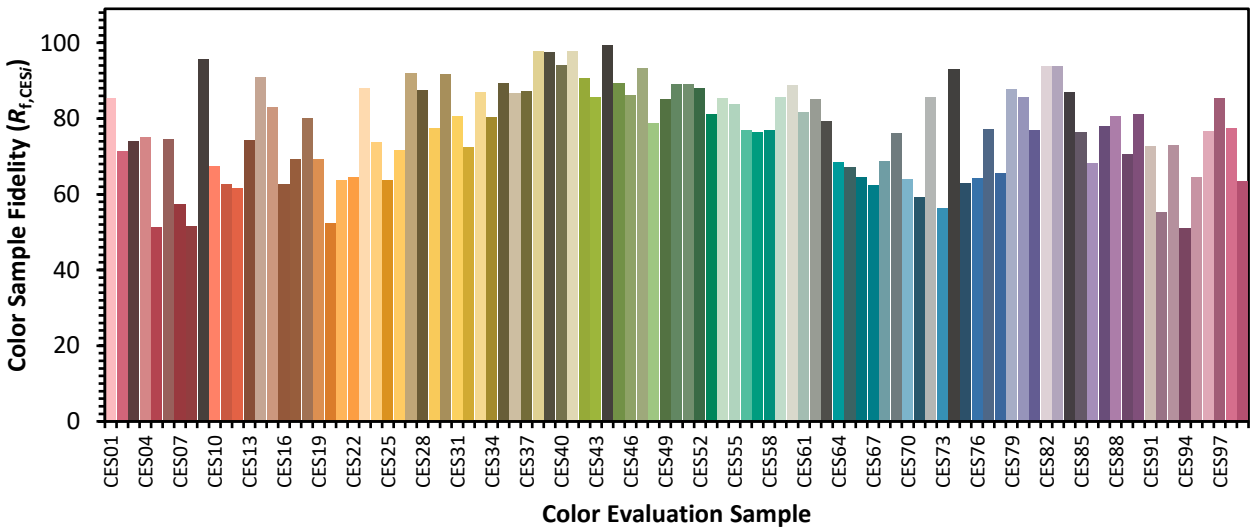


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

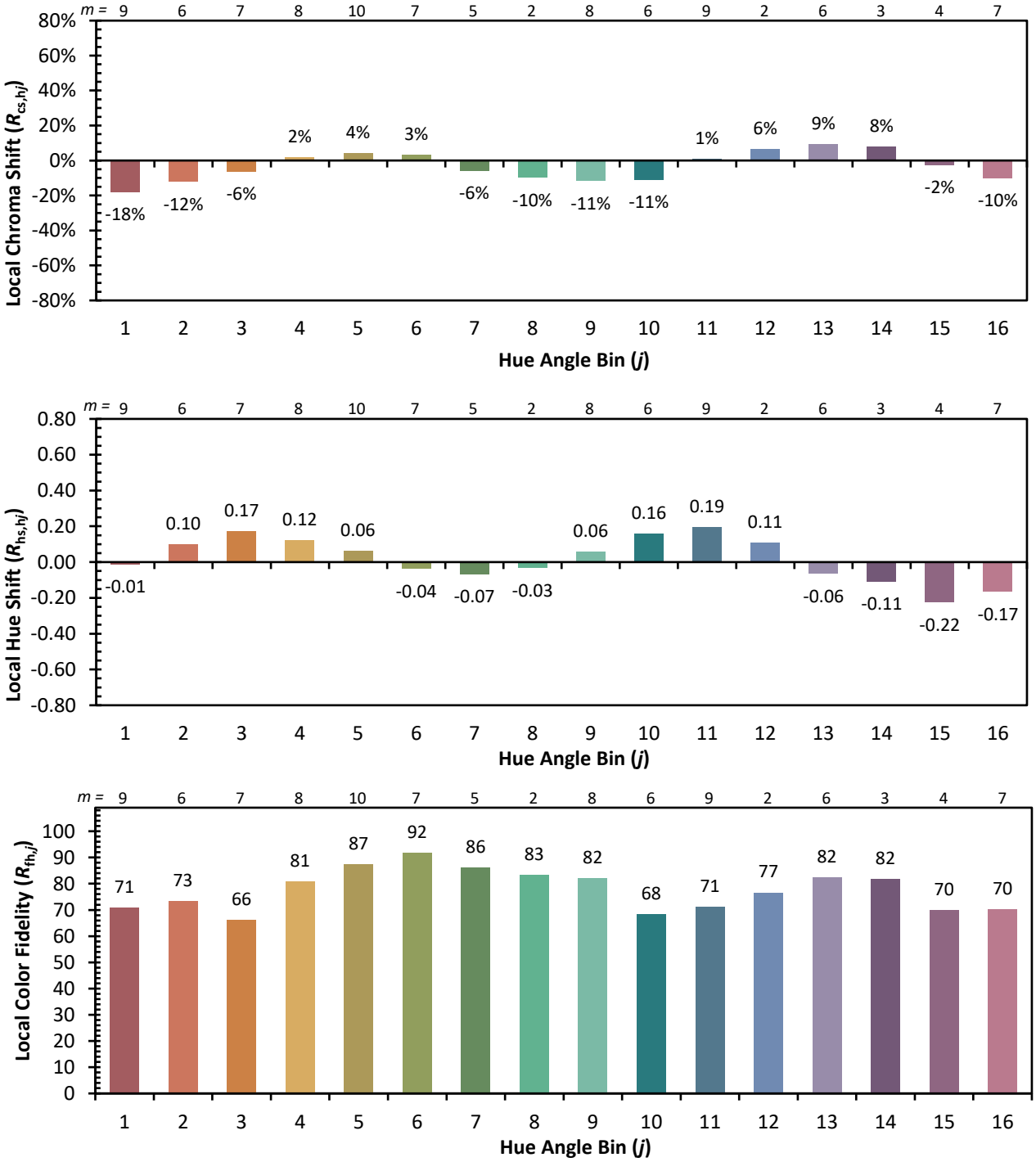
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57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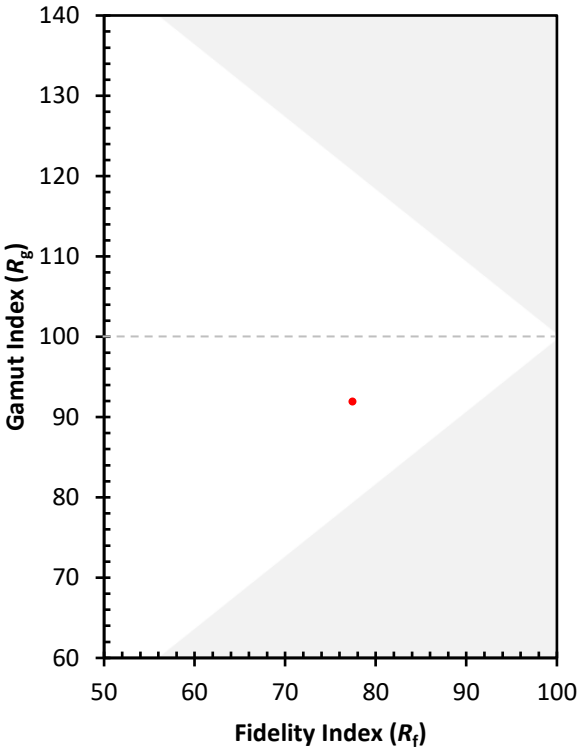
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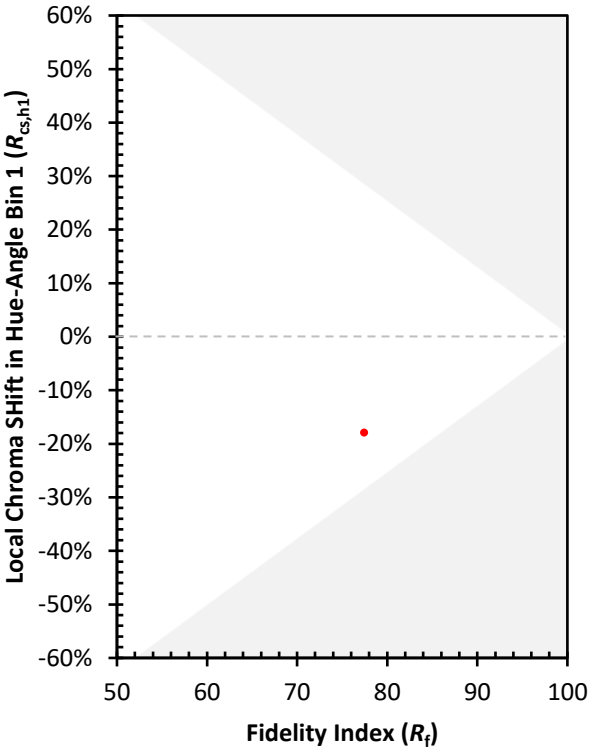


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Measure Comparisons





(END OF REPORT)