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: P1046213

Luminaire Tested: **FFX-CLB-60-740-U-FR-T4-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:	P1046213
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-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9121.3 lumens
Efficiency:	N/A
Efficacy:	150.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

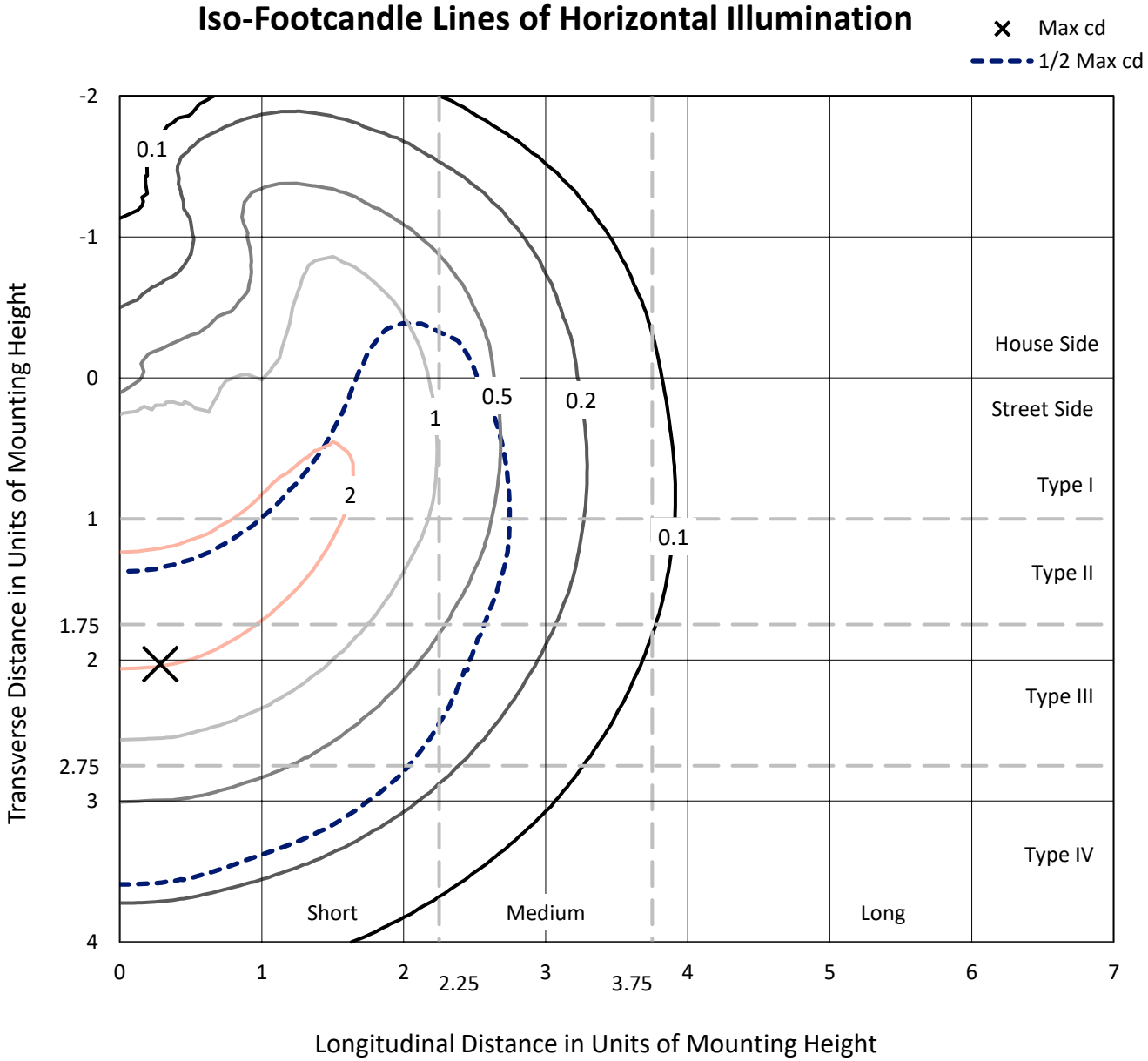


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Iso-Footcandle Lines of Horizontal Illumination



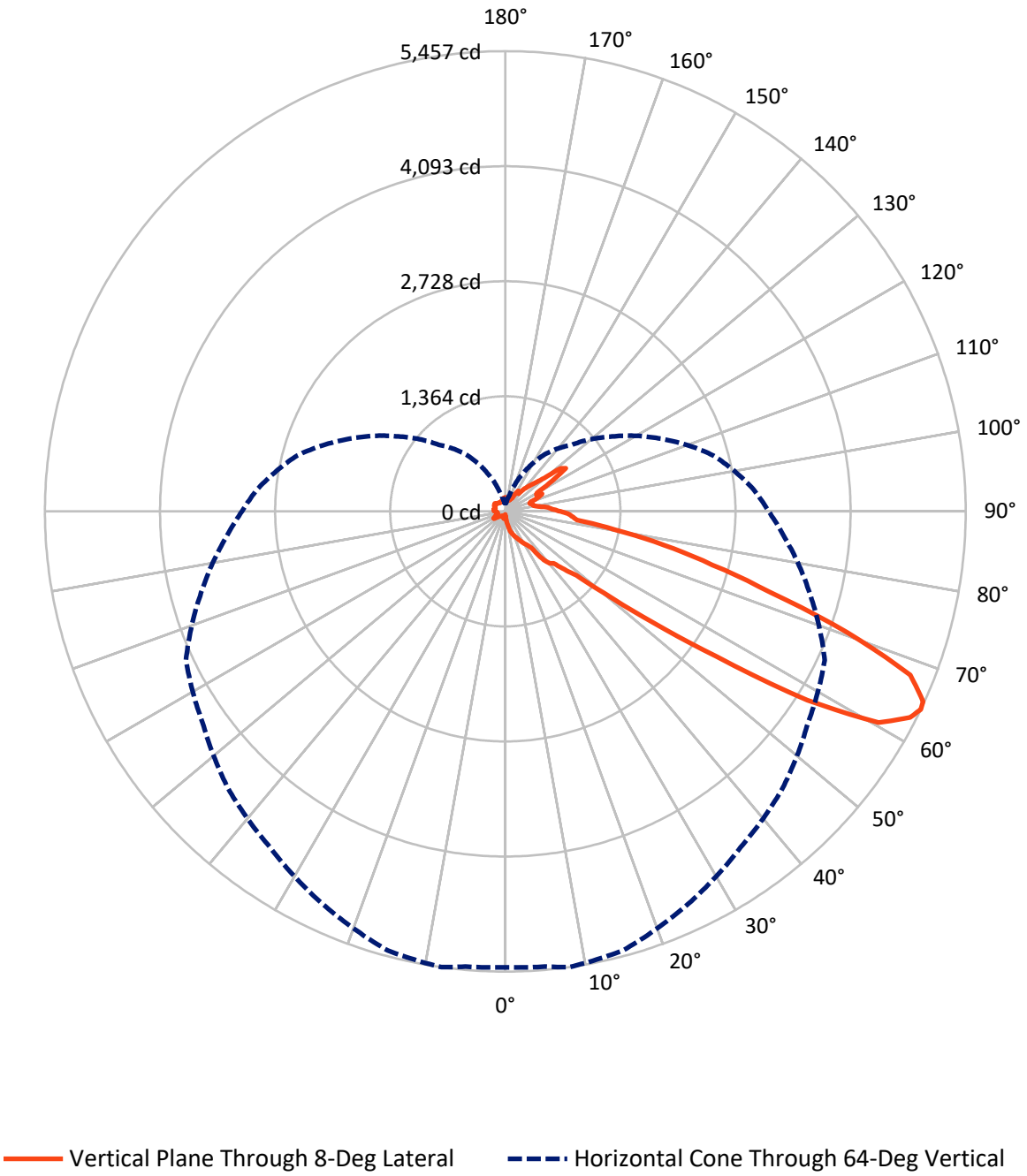
Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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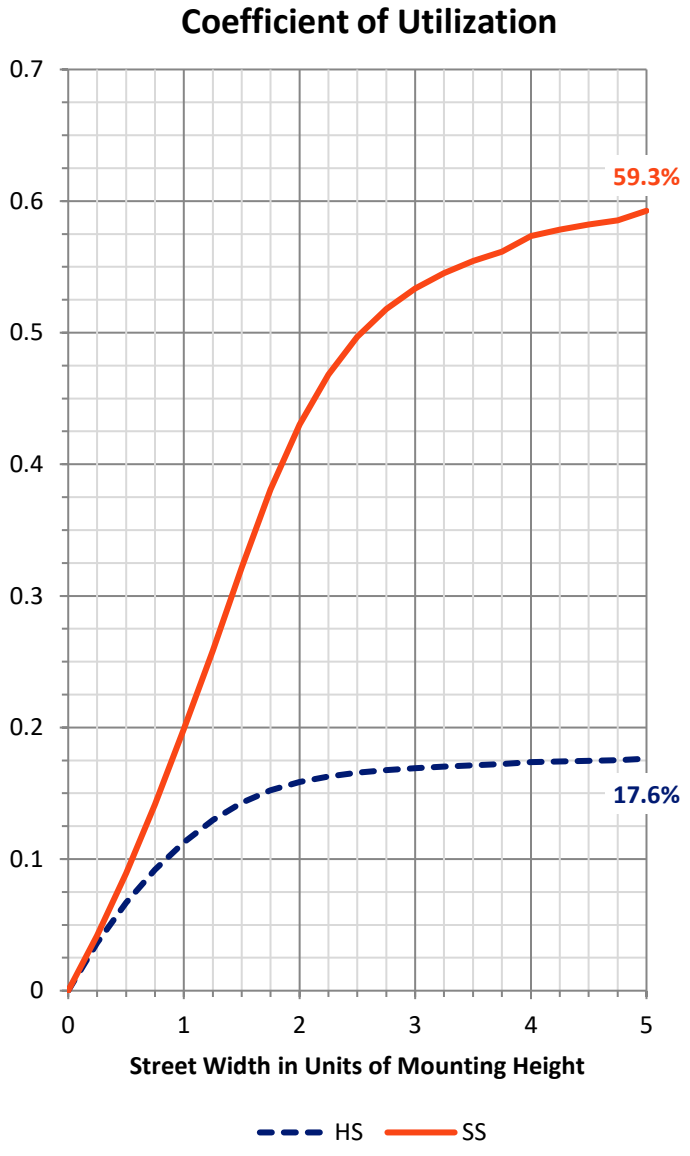
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1668.1	623.1	2291.3
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	5636.9	1193.2	6830.0
	% Fixture	61.8	13.1	74.9
Total	Lumens	7305.0	1816.3	9121.3
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	50.2	0.6
20°-30°	109.0	1.2
30°-40°	217.9	2.4
40°-50°	471.7	5.2
50°-60°	1635.0	17.9
60°-70°	2750.2	30.2
70°-80°	1495.5	16.4
80°-90°	566.1	6.2
90°-100°	357.2	3.9
100°-110°	241.0	2.6
110°-120°	260.7	2.9
120°-130°	429.1	4.7
130°-140°	264.3	2.9
140°-150°	138.2	1.5
150°-160°	72.0	0.8
160°-170°	39.1	0.4
170°-180°	14.7	0.2
0°-90°	7305.0	80.1
0°-180°	9121.3	100.0



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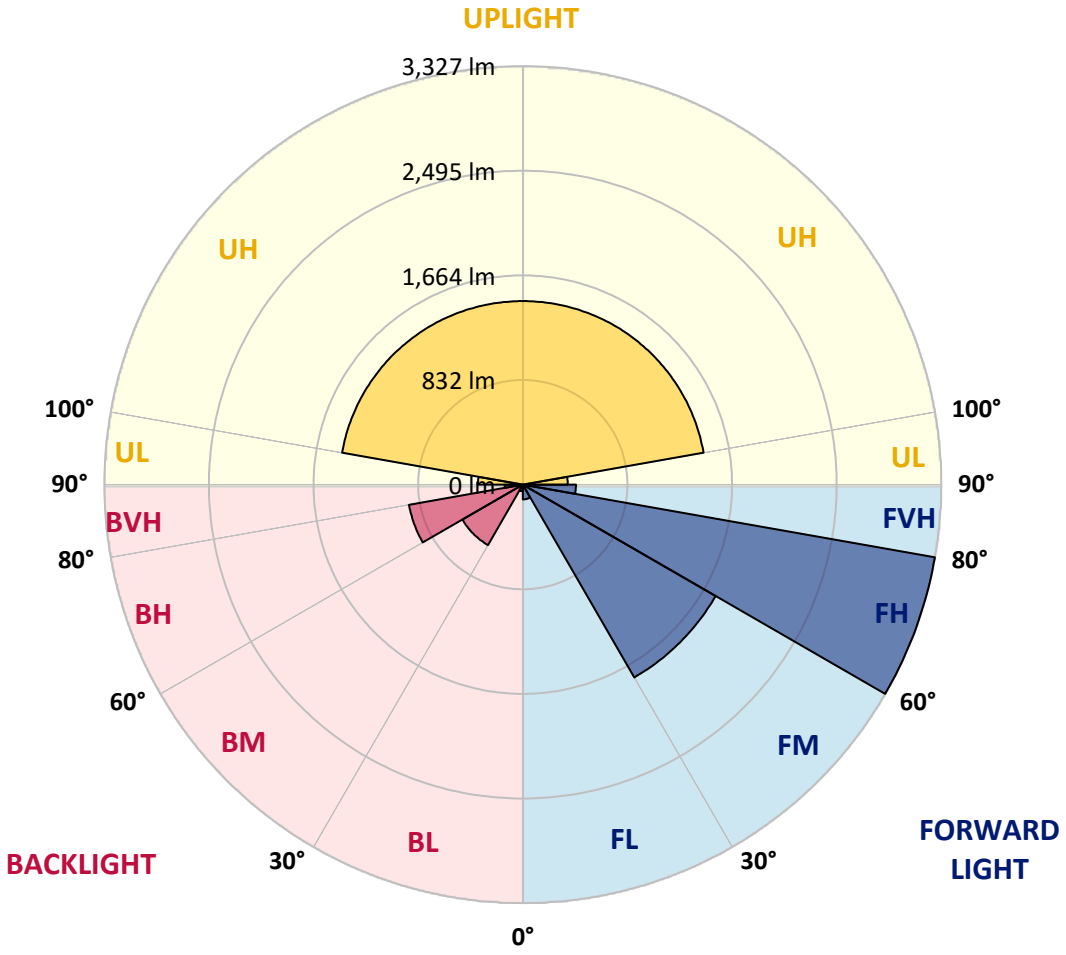
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	117.3	1.3			
FM	(30°-60°)	1770.1	19.4			
FH	(60°-80°)	3327.1	36.5			G2/5000
FVH	(80°-90°)	422.3	4.6			G3/500
BL	(0°-30°)	51.2	0.6	B0/110		
BM	(30°-60°)	554.5	6.1	B1/1000		
BH	(60°-80°)	918.7	10.1	B2/1000		G2/1000
BVH	(80°-90°)	143.8	1.6			G2/225
UL	(90°-100°)	357.2	3.9		U3/500	
UH	(100°-180°)	1459.1	16.0		U5	

BUG Rating: B2-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
0°	58.6	58.6	*58.6*	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
2.5°	63.7	63.7	*63.7*	65.6	66.8	67.5	65.6	64.3	63.7	63.1	61.2
5°	91.4	92.1	*92.1*	94.0	92.7	94.0	91.4	89.5	86.4	82.6	79.5
7.5°	129.3	129.3	*128.6*	129.3	128.6	126.1	126.1	128.0	123.0	115.4	108.5
10°	175.3	176.6	*175.9*	173.4	169.6	166.5	166.5	169.0	161.4	148.2	138.1
12.5°	222.0	224.5	*222.0*	222.6	216.3	213.8	208.7	207.5	197.4	184.8	167.1
15°	256.6	258.5	*259.2*	261.1	260.4	252.2	243.4	233.9	225.7	214.4	196.1
17.5°	284.4	285.0	*286.3*	285.6	281.9	273.7	263.6	253.5	240.2	228.3	211.2
20°	311.5	314.0	*313.4*	312.8	310.9	304.6	292.6	278.1	266.7	249.1	231.4
22.5°	339.2	337.3	*338.6*	338.0	338.0	331.7	319.1	302.0	286.9	269.2	253.5
25°	371.4	370.8	*371.4*	369.5	367.0	363.8	348.1	328.5	311.5	293.2	271.1
27.5°	405.4	406.1	*406.7*	403.6	400.4	395.4	372.7	353.1	334.8	312.1	281.2
30°	443.3	441.4	*442.0*	437.6	435.7	420.0	397.9	374.6	354.4	324.1	293.8
32.5°	478.0	474.8	*474.2*	470.4	467.2	444.5	421.8	399.1	375.2	344.3	317.8
35°	526.5	532.8	*530.3*	530.3	538.5	503.8	477.3	455.3	429.4	397.3	369.5
37.5°	724.5	723.2	*715.7*	705.6	677.2	652.6	640.6	606.0	564.3	529.0	484.9
40°	820.4	816.6	*808.4*	788.2	768.0	739.0	720.7	699.3	677.8	615.4	544.8
42.5°	843.1	839.9	*841.8*	865.8	892.2	870.8	799.5	722.0	684.2	641.9	606.6
45°	967.3	978.0	*981.1*	980.5	961.6	938.9	908.0	861.3	795.8	735.9	662.1
47.5°	1124.9	1123.7	*1131.2*	1121.1	1136.9	1097.2	1057.4	1008.9	940.8	859.4	771.2
50°	1537.3	1524.1	*1525.9*	1529.7	1505.8	1476.8	1440.8	1413.7	1280.7	1165.3	1031.0
52.5°	2192.4	2194.3	*2180.5*	2179.8	2108.6	2052.5	1989.4	1991.9	1796.5	1641.3	1447.1
55°	3081.5	3082.8	*3033.0*	3074.0	2993.9	2986.3	2847.0	2667.3	2404.3	2193.1	1997.6
57.5°	4188.8	4226.6	*4222.2*	4149.1	4026.7	3960.5	3735.4	3546.9	3174.9	2843.2	2577.7
60°	5132.1	5114.4	*5085.4*	5030.0	4663.6	4509.7	4343.9	4183.1	3874.8	3415.7	3018.5
62.5°	5401.4	5388.1	*5383.1*	5355.3	5065.9	4812.4	4603.7	4340.8	4134.6	3684.3	3279.5
64°	*5405.8*	*5417.7*	*5456.8*	*5390.6*	*5133.4*	*4862.9*	*4646.6*	*4378.0*	*4177.4*	*3733.5*	*3311.1*
65°	5395.7	5393.2	*5442.3*	5358.5	5130.2	4860.3	4620.1	4362.8	4164.2	3720.3	3302.9
67.5°	5125.2	5114.4	*5177.5*	5069.7	4870.4	4627.0	4391.2	4115.0	3940.4	3514.1	3109.9
70°	4205.8	4205.2	*4303.6*	4213.4	4154.1	3896.2	3655.3	3401.9	3215.2	2865.3	2527.3
72.5°	3222.8	3217.1	*3282.7*	3215.2	3184.9	3063.2	2838.1	2614.3	2436.5	2174.2	1900.5
75°	2568.3	2570.8	*2536.1*	2469.9	2445.3	2391.1	2290.8	2157.1	2008.3	1770.0	1517.8
77.5°	1923.2	1910.6	*1925.7*	1833.0	1826.1	1809.7	1809.1	1723.3	1597.2	1445.2	1245.4
80°	1281.9	1289.5	*1316.6*	1292.0	1298.9	1293.3	1328.6	1237.8	1141.9	1052.4	945.8
82.5°	829.2	849.4	*856.9*	891.0	920.6	933.9	885.3	793.9	734.0	701.2	653.9
85°	795.8	804.0	*799.5*	779.4	769.3	752.9	752.3	723.2	692.4	629.3	552.4
87.5°	734.0	743.4	*739.6*	722.0	699.3	697.4	693.0	672.8	658.3	608.5	540.4
90°	626.1	626.8	*629.9*	626.8	622.4	619.2	594.0	582.0	573.2	530.3	484.3
92.5°	542.9	550.5	*548.6*	542.9	528.4	537.2	510.1	487.4	482.4	452.7	417.4
95°	498.8	503.8	*505.1*	495.0	481.1	478.0	457.2	439.5	431.3	411.8	368.9
97.5°	413.6	410.5	*408.0*	405.4	396.0	385.9	372.7	350.6	343.7	322.2	298.3
100°	353.1	354.4	*353.1*	351.2	343.0	338.0	328.5	310.9	303.3	289.4	273.0
102.5°	336.7	337.3	*337.3*	338.0	324.1	312.8	302.7	290.1	283.1	271.1	255.4
105°	321.6	321.6	*322.8*	323.5	309.6	293.2	278.7	271.8	268.6	254.7	238.4
107.5°	302.7	302.0	*303.9*	295.7	281.9	274.9	259.8	251.6	250.3	239.6	222.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	330.4	323.5	*322.2*	302.0	283.1	267.4	259.8	252.2	247.8	233.3	222.6
112.5°	432.6	423.1	*420.6*	401.7	335.5	329.8	322.8	320.3	317.8	298.3	280.0
115°	476.7	476.7	*484.3*	476.7	430.7	378.3	370.8	359.4	363.8	339.9	313.4
117.5°	381.5	408.0	*415.5*	392.8	394.7	361.3	309.6	291.9	283.1	276.2	288.2
120°	428.1	445.8	*438.2*	396.6	377.7	358.2	360.7	354.4	322.8	279.3	283.8
122.5°	638.1	654.5	*660.2*	663.3	672.2	658.9	629.3	587.7	556.2	503.8	474.2
125°	893.5	881.5	*880.3*	885.9	892.9	875.8	863.2	855.0	835.5	766.8	670.3
127.5°	820.4	814.7	*824.1*	822.9	839.9	810.9	805.2	809.6	802.1	763.6	707.5
130°	588.3	598.4	*605.3*	628.0	661.5	635.6	611.6	575.7	573.2	592.1	562.5
132.5°	493.7	498.1	*510.8*	540.4	565.6	554.9	519.6	484.9	482.4	498.1	495.6
135°	436.3	439.5	*441.4*	442.7	438.2	448.3	440.8	428.1	420.0	420.6	413.0
137.5°	389.7	390.9	*389.7*	379.6	367.6	365.7	384.6	385.3	377.7	364.5	354.4
140°	338.0	338.0	*332.9*	326.0	324.1	324.7	335.5	337.3	328.5	317.8	302.7
142.5°	264.2	261.1	*261.7*	273.0	293.2	288.8	274.9	257.3	254.7	267.4	262.3
145°	285.6	285.0	*283.1*	283.8	278.7	270.5	265.5	259.8	249.7	241.5	233.3
147.5°	288.2	285.6	*286.9*	284.4	281.9	278.1	276.2	278.7	276.2	270.5	259.8
150°	227.6	228.9	*230.2*	227.0	229.5	230.8	229.5	227.6	230.8	223.8	219.4
152.5°	177.8	177.2	*176.6*	177.8	177.2	179.7	180.3	179.7	178.4	177.8	170.9
155°	167.1	169.0	*167.7*	163.9	166.5	168.4	170.9	172.8	170.9	167.7	161.4
157.5°	153.9	153.9	*153.9*	153.9	154.5	155.1	158.3	159.5	159.5	157.6	153.2
160°	143.1	143.8	*143.8*	143.8	145.0	146.3	148.2	149.4	150.7	149.4	146.9
162.5°	136.8	136.2	*136.2*	136.8	136.8	138.7	140.6	143.1	143.8	142.5	142.5
165°	133.0	133.0	*133.0*	133.7	134.9	136.2	138.7	139.4	140.0	141.2	141.2
167.5°	137.5	137.5	*137.5*	138.1	139.4	141.2	142.5	143.8	146.3	146.9	146.9
170°	144.4	144.4	*144.4*	145.0	145.7	146.3	146.9	148.2	148.8	150.1	149.4
172.5°	151.3	150.7	*151.3*	151.3	151.3	151.3	151.3	152.0	152.6	152.6	152.6
175°	158.9	158.9	*159.5*	158.9	157.6	157.6	157.6	158.3	158.3	158.3	157.6
177.5°	166.5	166.5	*165.8*	166.5	165.8	165.2	164.6	163.9	162.7	162.7	161.4
180°	162.1	162.1	*162.1*	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
2.5°	59.9	57.4	54.2	50.4	46.7	44.1	41.6	38.5	36.6	35.9	35.9
5°	75.7	73.8	70.6	65.6	62.4	56.8	51.7	48.6	45.4	42.2	39.7
7.5°	105.9	105.3	107.2	111.0	105.9	92.7	78.8	71.3	71.9	75.7	77.6
10°	133.0	129.3	129.9	138.7	130.5	105.3	86.4	79.5	83.2	90.8	92.1
12.5°	161.4	155.7	151.3	149.4	131.2	102.8	85.8	77.6	79.5	85.8	85.8
15°	187.3	180.3	170.3	157.0	135.6	110.3	89.5	77.6	77.6	76.9	75.7
17.5°	201.8	194.2	175.9	155.1	131.8	109.1	87.6	75.7	69.4	64.3	63.7
20°	224.5	220.7	197.4	167.7	135.6	106.6	84.5	72.5	65.6	61.8	60.5
22.5°	246.5	235.8	205.6	175.3	138.7	105.9	83.2	71.9	65.6	62.4	61.2
25°	258.5	245.3	215.0	184.1	143.1	106.6	84.5	73.1	66.2	63.1	62.4
27.5°	268.0	254.1	225.7	192.3	148.8	109.1	88.3	75.0	67.5	63.7	63.1
30°	280.6	267.4	238.4	202.4	153.9	114.8	92.7	78.2	69.4	65.6	64.9
32.5°	304.6	288.2	254.1	211.2	160.2	120.4	98.4	83.2	72.5	66.8	66.8
35°	354.4	336.7	291.3	235.2	167.1	124.9	102.2	86.4	75.0	68.7	68.1
37.5°	459.0	437.0	381.5	294.5	184.1	131.2	106.6	88.3	76.3	70.6	69.4
40°	509.5	468.5	406.1	329.2	212.5	141.2	113.5	92.7	78.2	71.3	70.6
42.5°	570.7	536.6	450.8	338.0	235.8	164.6	125.5	99.0	82.0	72.5	71.9
45°	630.6	597.1	520.8	411.1	283.8	201.1	145.0	109.7	87.6	75.7	73.8
47.5°	735.2	680.4	588.9	481.1	349.3	254.7	178.4	124.9	97.1	79.5	76.9
50°	994.4	958.4	818.5	653.3	454.6	331.7	242.8	160.2	107.8	82.0	78.2
52.5°	1341.2	1273.1	1114.2	911.8	659.6	492.5	355.0	237.7	132.4	84.5	79.5
55°	1890.4	1784.5	1601.6	1251.0	946.5	746.6	555.5	390.3	201.8	90.2	80.1
57.5°	2477.5	2381.6	2163.4	1729.0	1282.6	950.9	731.4	551.1	283.1	102.8	87.0
60°	2870.3	2703.2	2454.1	2034.2	1550.5	1118.0	818.5	578.2	293.8	105.3	90.8
62.5°	3095.4	2922.6	2554.4	2072.0	1598.5	1155.2	856.3	529.7	234.6	102.2	94.6
64°	*3121.9*	*2955.4*	*2555.6*	*2036.1*	*1547.4*	*1116.7*	*829.8*	*496.9*	*203.7*	*100.9*	*96.5*
65°	3101.1	2947.2	2524.8	1993.2	1478.7	1066.9	798.3	464.1	181.0	99.6	97.1
67.5°	2898.7	2763.7	2321.1	1807.8	1314.7	921.2	655.1	356.9	141.9	97.1	95.8
70°	2347.6	2285.8	1908.1	1458.5	1039.2	734.6	516.4	273.0	120.4	94.6	93.3
72.5°	1761.1	1683.0	1423.8	1112.9	809.6	571.3	392.2	210.0	106.6	92.1	90.8
75°	1411.8	1335.5	1128.7	876.5	602.2	426.9	290.1	157.0	100.3	91.4	90.2
77.5°	1167.2	1106.0	928.2	667.1	428.1	305.8	213.1	128.0	98.4	92.1	90.8
80°	897.9	887.8	725.1	485.5	303.3	228.3	172.1	119.8	99.0	94.6	93.3
82.5°	629.9	604.7	512.0	361.3	262.3	208.7	165.2	121.7	104.0	100.3	99.6
85°	518.9	499.4	438.2	347.4	249.7	201.8	163.3	124.9	109.1	105.9	104.7
87.5°	513.3	491.8	433.8	332.3	237.1	192.3	155.7	121.7	108.5	106.6	107.8
90°	466.0	450.2	396.6	306.5	235.2	195.5	162.7	134.3	120.4	114.1	112.9
92.5°	408.0	398.5	360.7	297.6	244.0	206.8	177.2	148.8	136.2	132.4	130.5
95°	356.3	352.5	321.6	270.5	225.1	194.8	167.7	143.1	132.4	127.4	126.7
97.5°	291.9	287.5	263.6	230.2	196.7	171.5	151.3	132.4	124.9	124.2	123.6
100°	266.7	263.6	246.5	225.1	198.6	179.7	162.1	146.3	140.0	140.0	140.6
102.5°	246.5	244.7	229.5	207.5	186.6	169.0	154.5	140.0	132.4	132.4	128.0
105°	230.2	227.0	213.1	195.5	174.0	157.6	143.8	133.0	124.9	122.3	122.3
107.5°	215.7	211.9	200.5	183.5	167.7	152.0	139.4	129.3	123.6	121.7	121.7

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

Scaled Data Report

REPORT NUMBER: P1046213
CATALOG NUMBER: FFX-CLB-60-740-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	216.3	213.1	199.9	181.6	167.1	155.1	145.0	135.6	130.5	126.7	126.7
112.5°	266.1	252.9	229.5	202.4	186.0	170.3	154.5	141.2	134.9	133.7	132.4
115°	301.4	288.2	259.2	223.8	194.2	172.1	156.4	146.3	140.6	144.4	146.3
117.5°	302.7	278.7	223.2	206.2	184.8	166.5	155.7	149.4	145.7	149.4	149.4
120°	308.3	259.8	230.2	223.2	198.0	172.1	160.2	158.9	155.1	147.6	147.6
122.5°	458.4	414.3	367.0	307.1	254.7	230.2	208.7	171.5	153.9	145.7	145.0
125°	631.8	585.8	512.0	431.9	356.3	277.4	206.2	175.9	157.6	147.6	145.7
127.5°	671.5	635.6	538.5	442.7	335.5	258.5	206.8	181.0	162.7	152.0	150.1
130°	541.6	513.3	447.7	369.5	295.1	239.0	201.8	175.9	158.3	147.6	145.0
132.5°	481.7	455.3	390.9	319.7	261.7	218.2	184.8	159.5	141.9	134.3	134.3
135°	402.9	384.6	327.3	285.0	243.4	206.8	174.0	150.7	136.2	131.8	131.8
137.5°	345.5	331.0	290.1	256.6	224.5	193.0	164.6	145.7	135.6	131.2	130.5
140°	295.7	286.3	262.3	229.5	198.6	167.7	145.7	134.9	130.5	128.6	128.0
142.5°	257.3	250.3	228.9	194.8	164.6	145.7	137.5	134.3	129.9	125.5	124.9
145°	225.1	219.4	194.8	175.3	160.8	153.2	146.9	137.5	126.7	121.1	120.4
147.5°	252.9	244.0	222.6	199.9	176.6	158.9	145.0	132.4	122.3	118.5	118.5
150°	217.5	211.2	198.0	180.3	160.8	144.4	132.4	124.2	120.4	119.8	119.8
152.5°	169.0	165.8	162.1	153.2	140.6	129.9	122.3	118.5	119.8	122.3	123.0
155°	158.9	157.6	153.9	145.7	137.5	127.4	121.1	119.2	121.1	123.6	124.2
157.5°	151.3	150.7	147.6	140.0	132.4	126.1	121.7	120.4	122.3	124.2	124.2
160°	145.0	144.4	140.0	134.3	128.6	124.2	121.1	121.1	123.0	124.2	124.2
162.5°	141.2	140.6	137.5	133.0	129.3	126.7	126.1	126.1	126.7	127.4	127.4
165°	141.2	140.6	137.5	133.7	131.2	131.2	132.4	133.0	131.2	129.9	130.5
167.5°	146.9	145.7	141.9	138.7	138.1	138.7	140.6	140.6	139.4	137.5	136.8
170°	148.8	148.2	146.9	145.7	145.7	145.7	146.3	146.9	146.9	147.6	147.6
172.5°	152.6	152.6	152.0	152.0	152.6	152.0	152.0	153.2	154.5	155.1	155.7
175°	157.6	157.0	157.6	157.6	158.3	157.6	157.0	158.3	160.2	161.4	161.4
177.5°	161.4	161.4	160.8	160.2	160.2	160.2	160.2	160.8	160.8	160.8	160.2
180°	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1

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

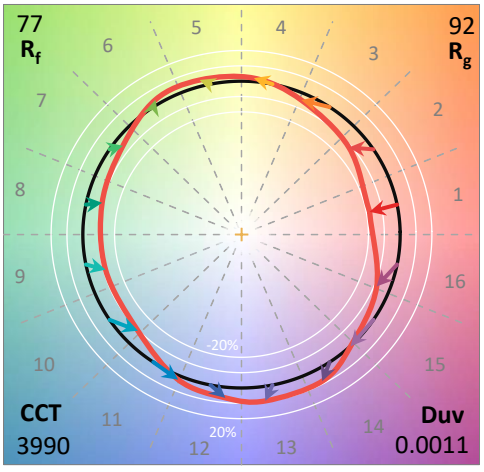
Test Information

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

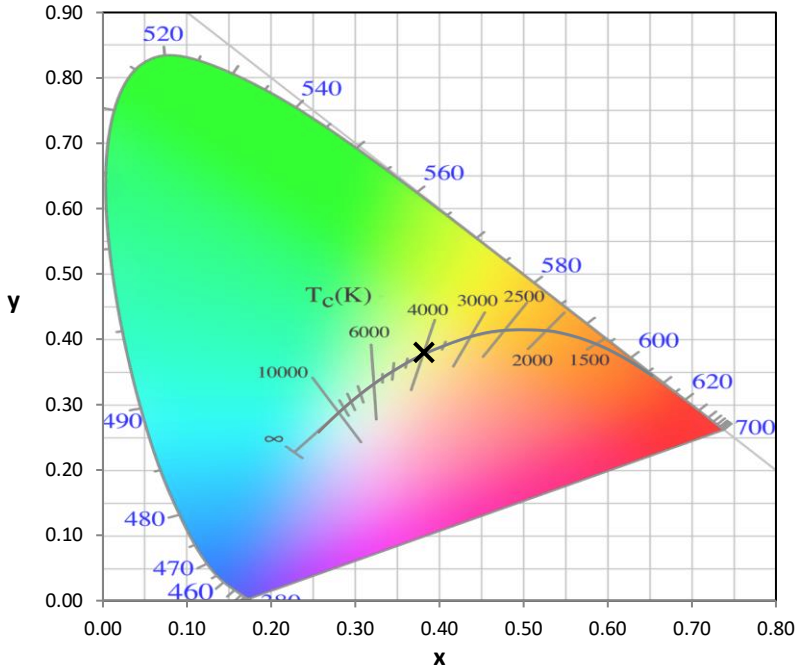
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

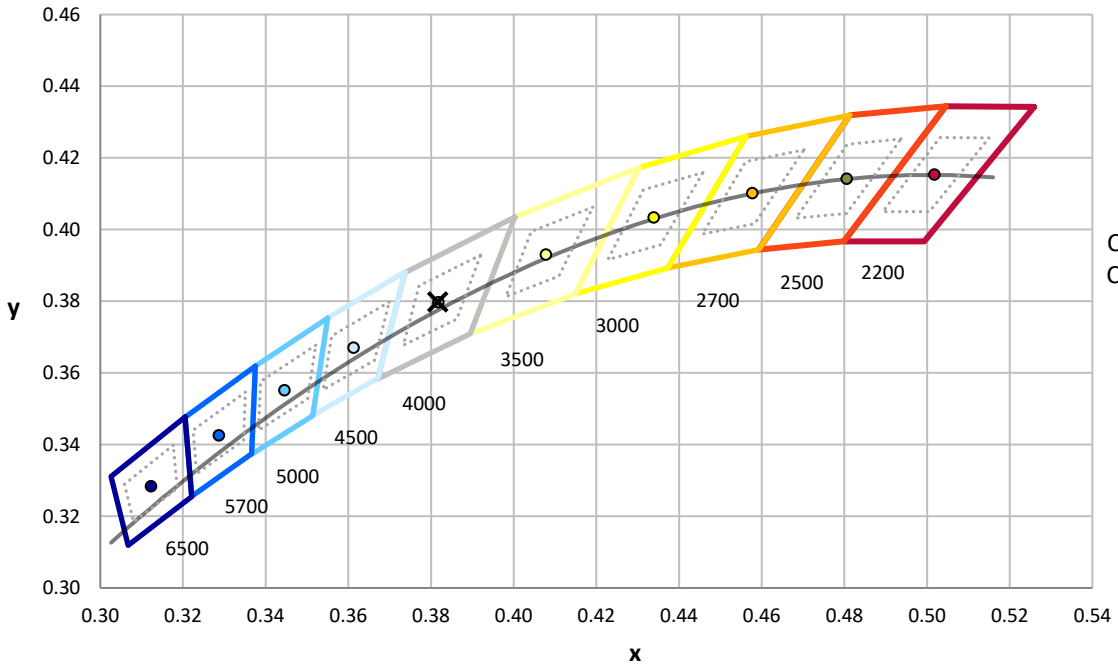
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

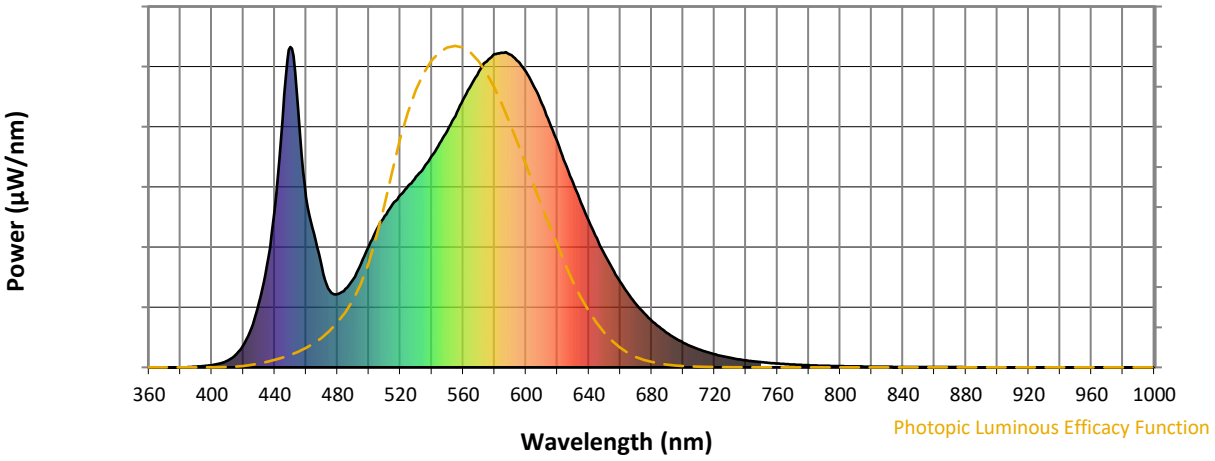


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

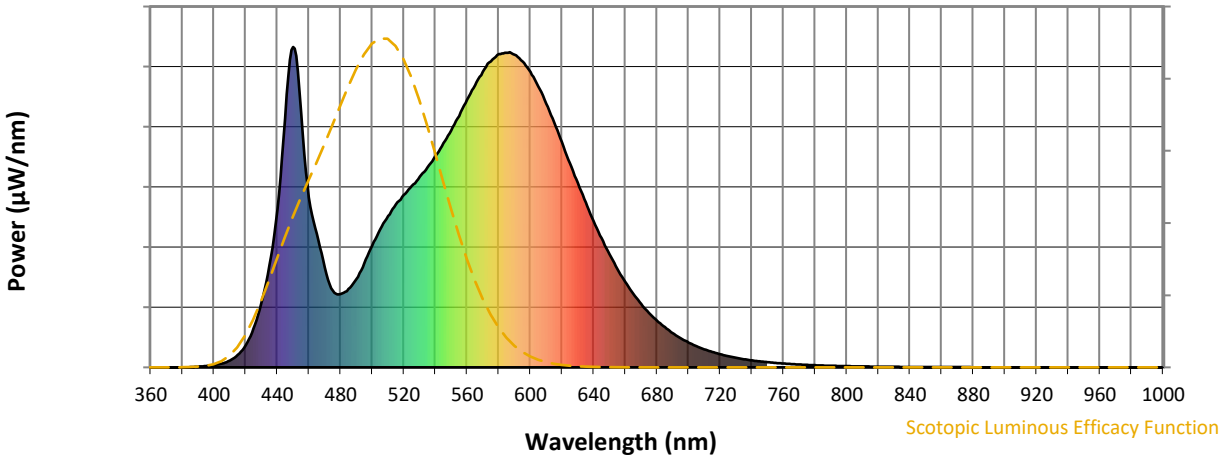


Photopic Lumens: NR

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

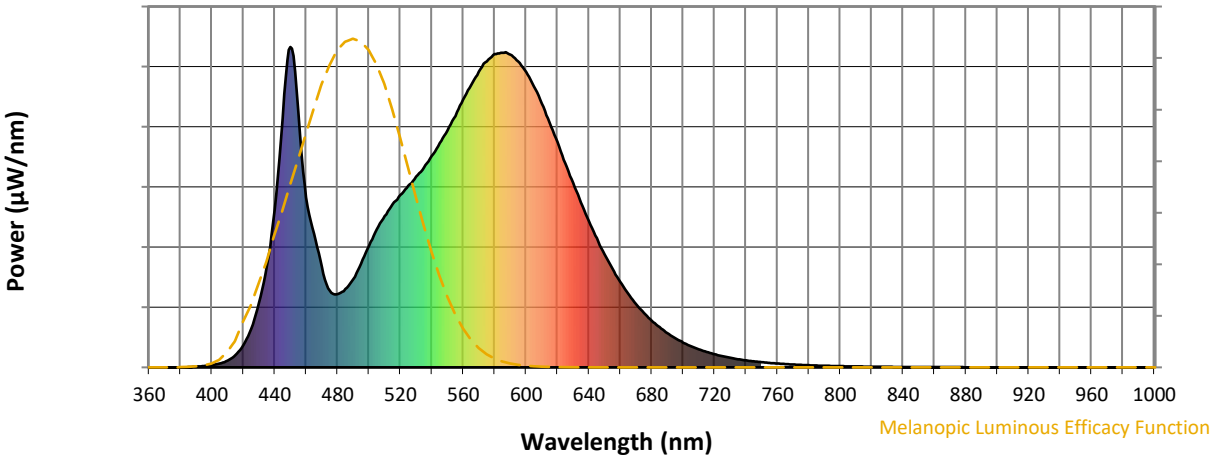


Scotopic Lumens: NR **S/P: 1.59**

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			

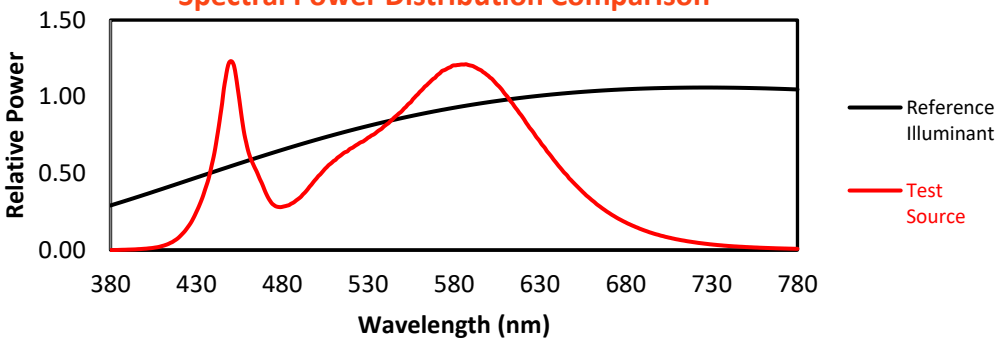
REPORT NUMBER: SP1-2501-332-1

TM-30-18

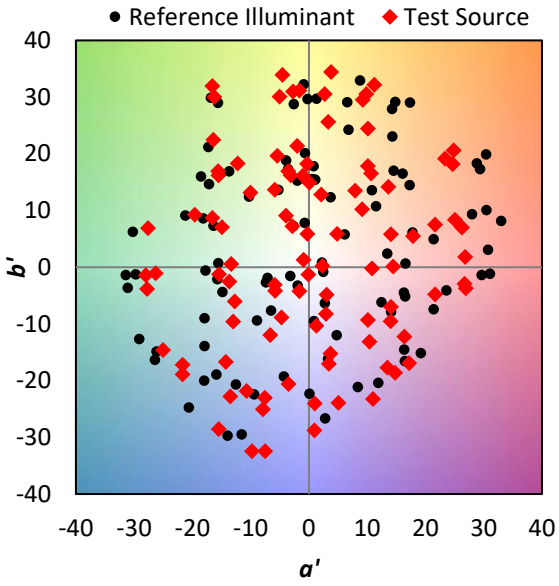
Summary

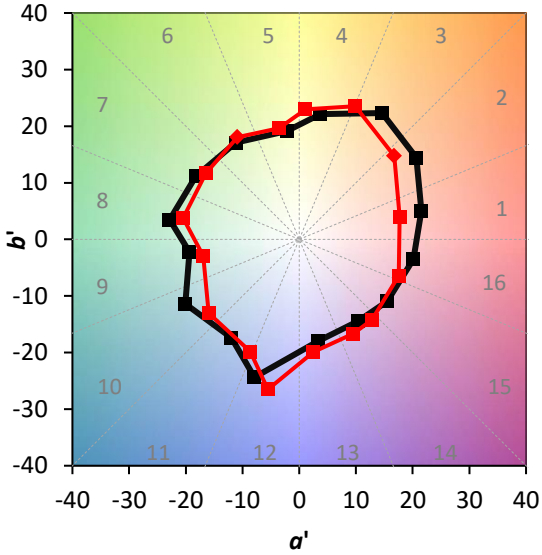
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

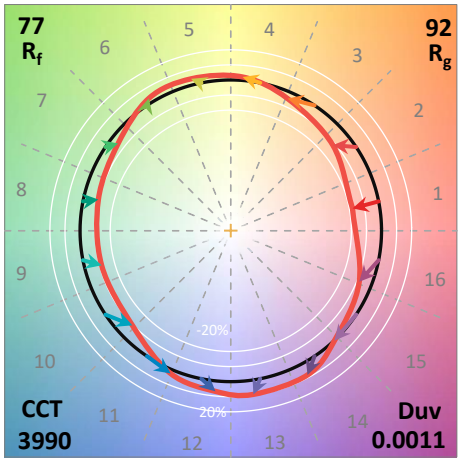
Spectral Power Distribution Comparison

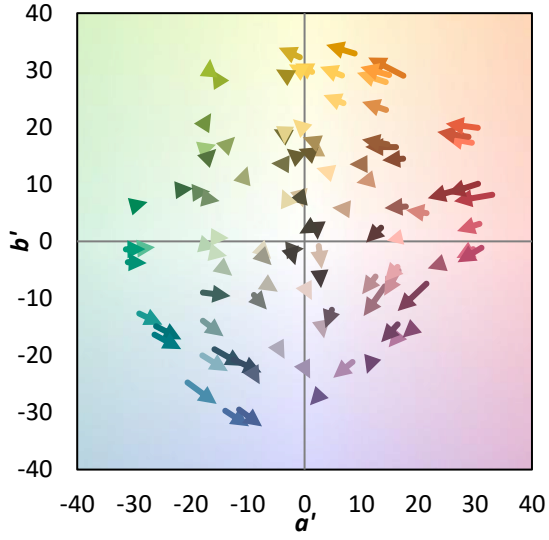


Color Vector Graphics







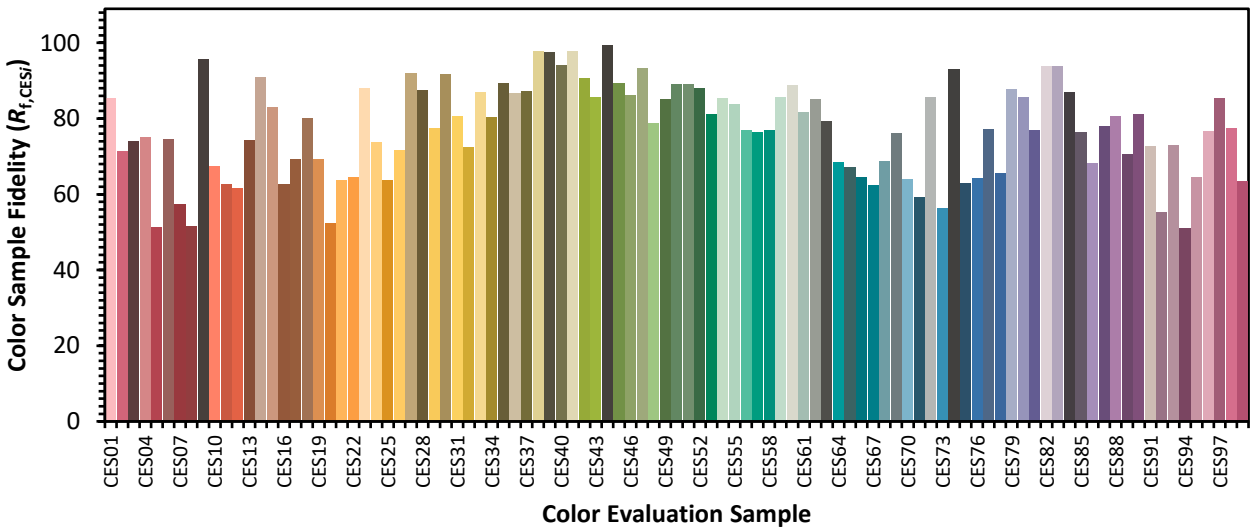


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

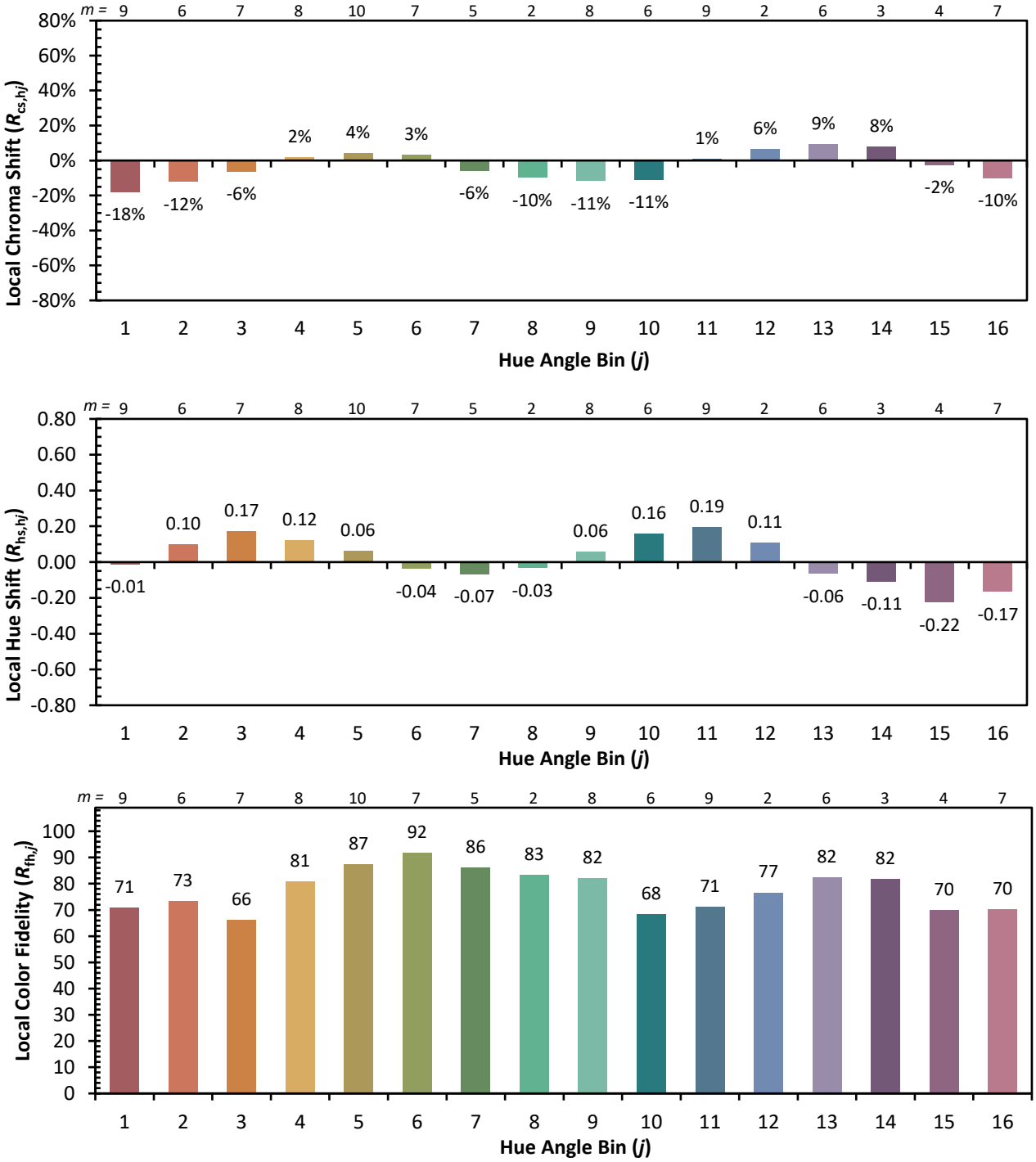
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57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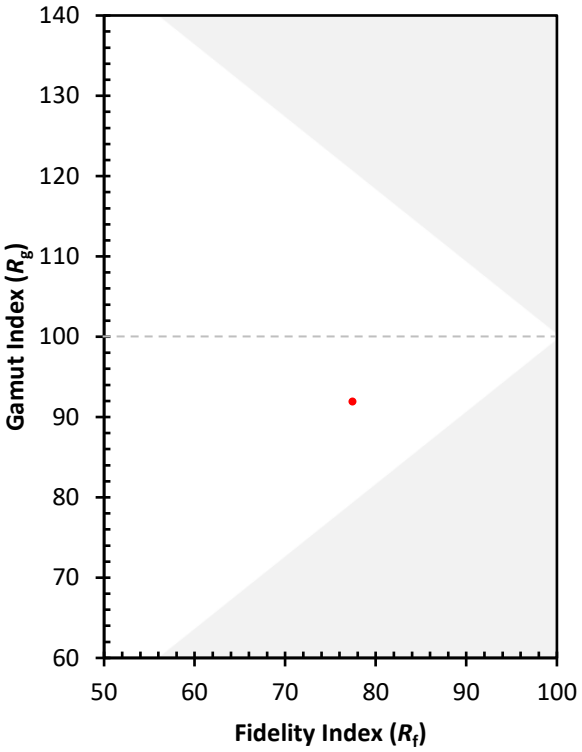
Color Rendition by Hue-Angle Bin

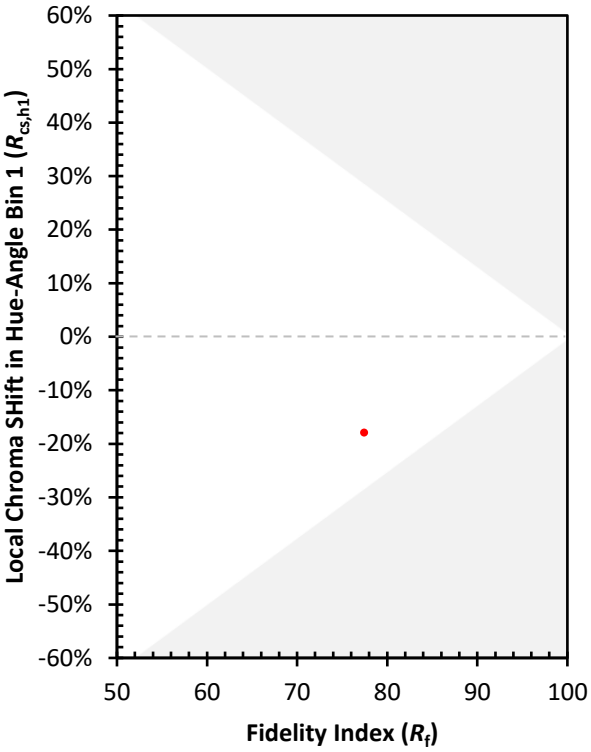


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Measure Comparisons





(END OF REPORT)