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: P1046573

Luminaire Tested: **FFX-CLB-60-740-U-FR-T3-UPLR-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:	P1046573
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-T3-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8817.1 lumens
Efficiency:	N/A
Efficacy:	145.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B1 - 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

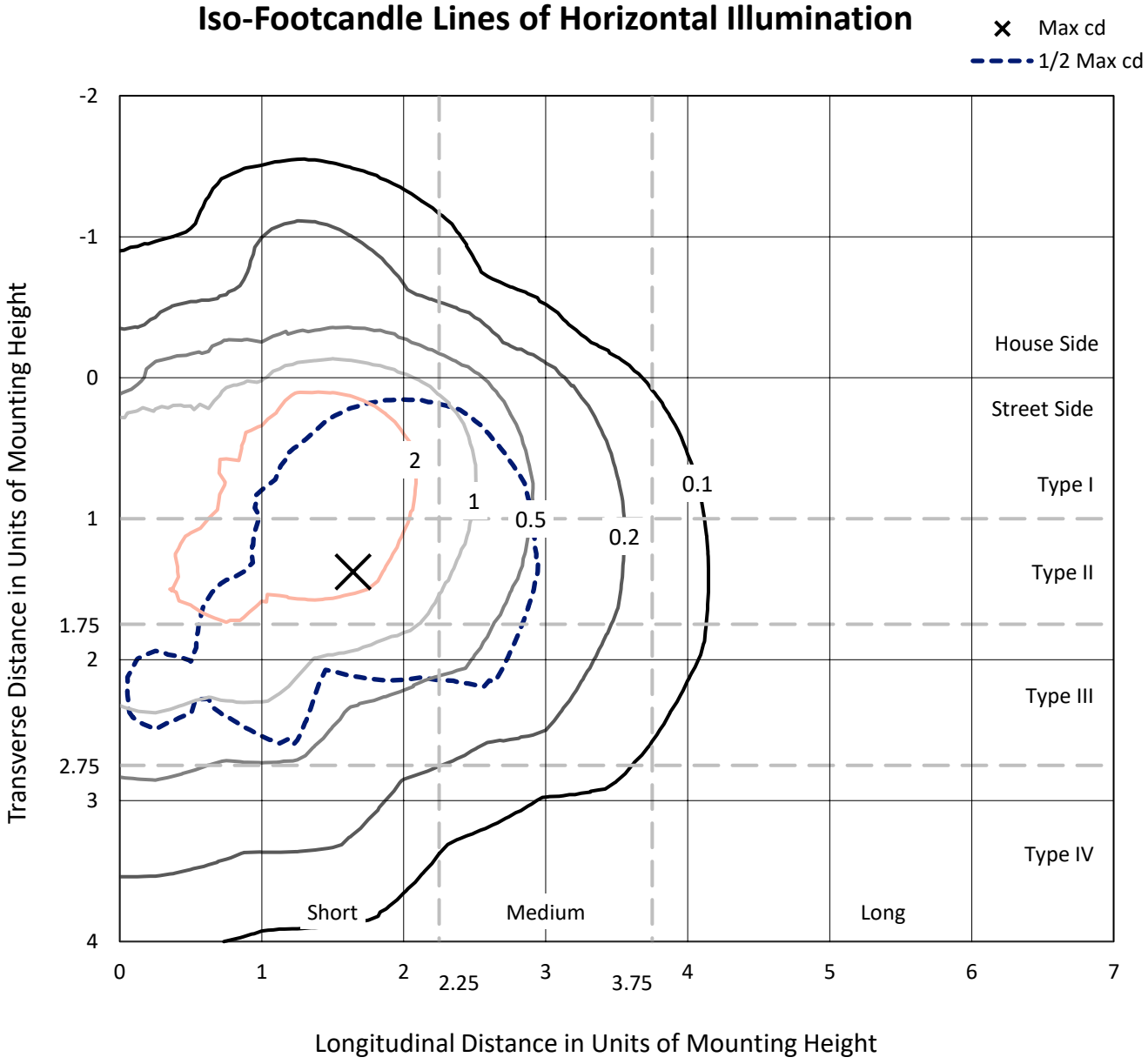


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Iso-Footcandle Lines of Horizontal Illumination



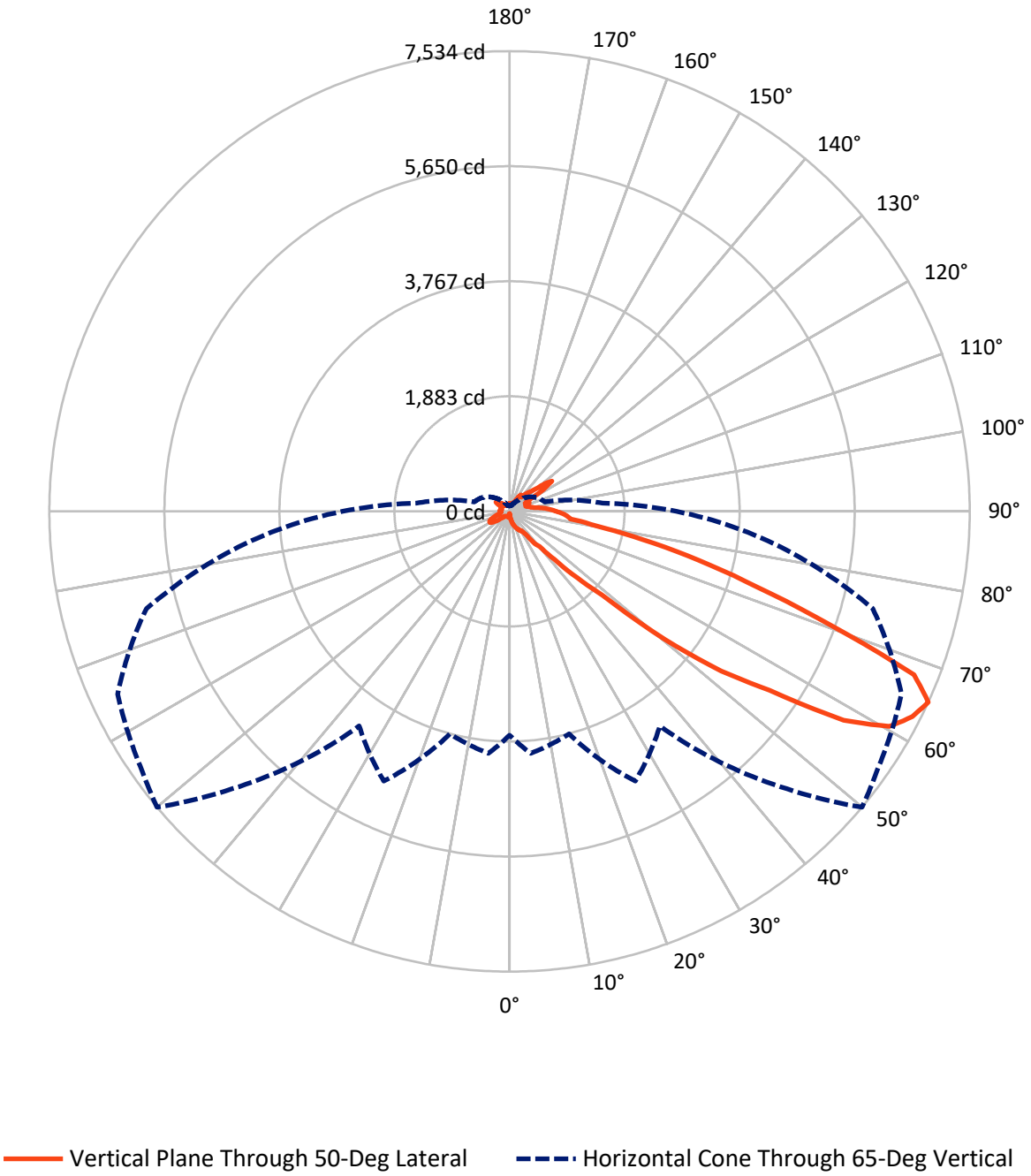
Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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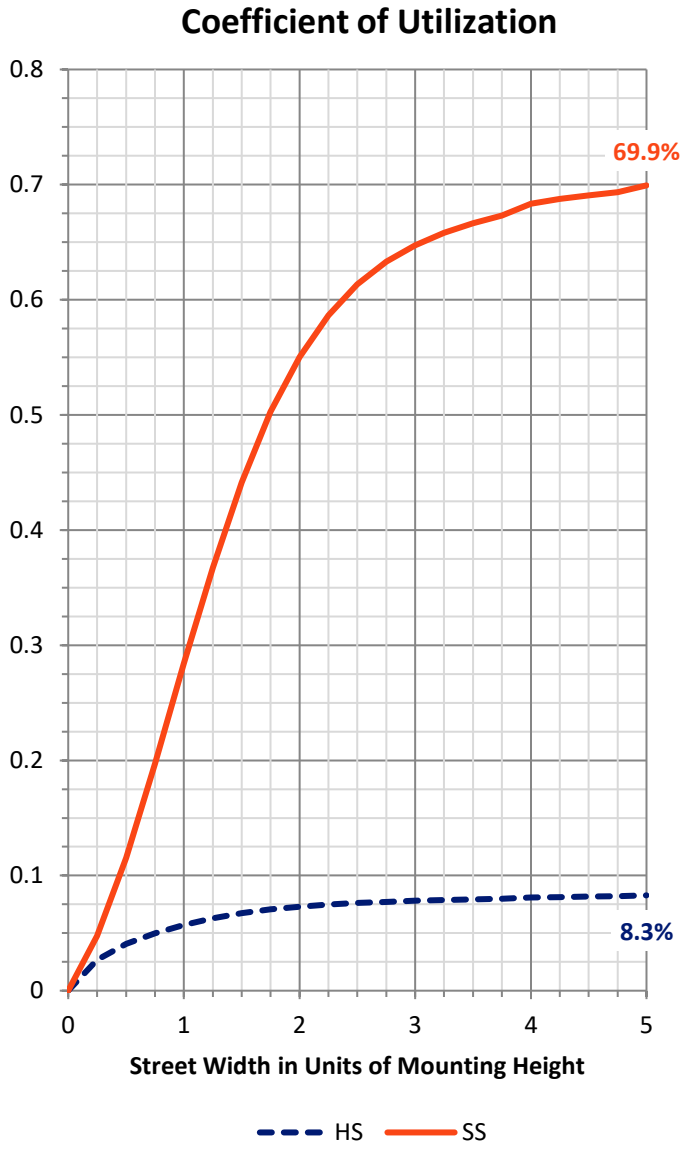
REPORT NUMBER: P1046573
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	773.4	509.1	1282.5
	% Fixture	8.8	5.8	14.5
Street Side	Lumens	6378.0	1156.5	7534.6
	% Fixture	72.3	13.1	85.5
Total	Lumens	7151.4	1665.7	8817.1
	% Fixture	81.1	18.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	46.0	0.5
20°-30°	98.3	1.1
30°-40°	196.2	2.2
40°-50°	514.0	5.8
50°-60°	1702.8	19.3
60°-70°	2685.5	30.5
70°-80°	1402.3	15.9
80°-90°	498.0	5.6
90°-100°	321.4	3.6
100°-110°	216.8	2.5
110°-120°	247.3	2.8
120°-130°	409.9	4.6
130°-140°	234.1	2.7
140°-150°	128.2	1.5
150°-160°	62.8	0.7
160°-170°	33.2	0.4
170°-180°	11.9	0.1
0°-90°	7151.4	81.1
0°-180°	8817.1	100.0



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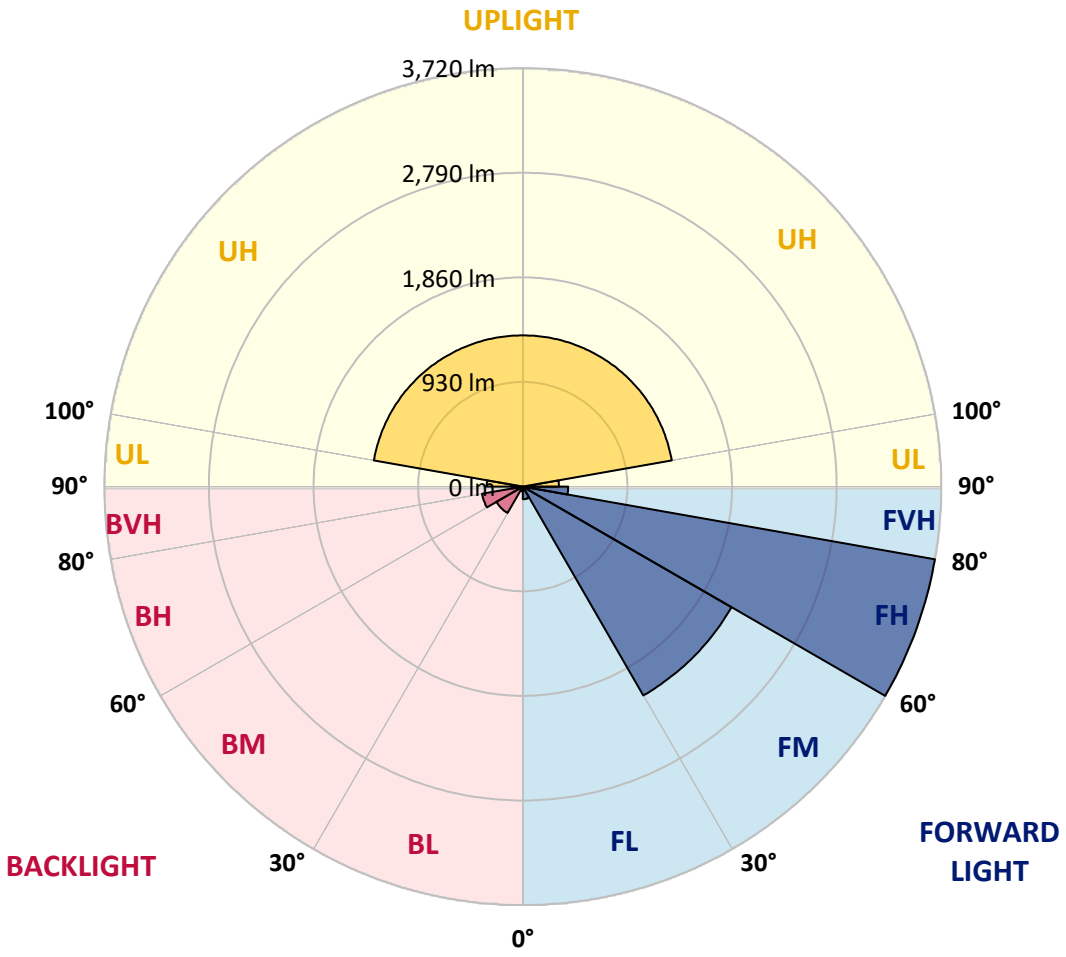
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	112.1	1.3			
FM	(30°-60°)	2142.7	24.3			
FH	(60°-80°)	3720.0	42.2			G2/5000
FVH	(80°-90°)	403.2	4.6			G3/500
BL	(0°-30°)	40.5	0.5	B0/110		
BM	(30°-60°)	270.3	3.1	B1/1000		
BH	(60°-80°)	367.8	4.2	B1/500		G1/500
BVH	(80°-90°)	94.8	1.1			G1/100
UL	(90°-100°)	321.4	3.6		U3/500	
UH	(100°-180°)	1344.3	15.2		U5	

BUG Rating: B1-U5-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
2.5°	59.8	59.2	60.4	62.3	61.7	59.8	58.6	58.0	56.1	55.5	53.6
5°	88.5	87.9	86.6	87.9	88.5	86.0	84.7	81.6	78.5	72.9	69.8
7.5°	124.0	124.6	125.9	122.8	121.5	115.9	114.7	111.5	106.6	99.7	97.8
10°	168.2	168.9	172.0	167.0	158.9	152.0	150.8	152.0	157.7	140.2	129.6
12.5°	211.9	210.0	219.3	216.8	206.3	196.3	191.3	191.9	189.4	176.3	158.9
15°	252.4	252.4	259.2	261.7	250.5	227.4	220.0	218.1	216.8	203.1	178.8
17.5°	277.9	279.2	279.8	279.8	276.0	256.7	248.0	244.3	233.1	220.6	198.2
20°	299.1	299.7	294.1	294.7	300.3	283.5	274.8	267.3	255.5	242.4	214.4
22.5°	328.4	327.1	318.4	314.7	327.1	312.8	303.5	295.4	281.0	266.1	240.5
25°	360.8	359.5	350.8	341.5	350.2	337.1	327.1	319.7	306.6	296.6	244.3
27.5°	391.9	390.7	375.7	374.5	367.0	360.8	350.2	348.3	338.4	309.1	242.4
30°	415.0	413.8	397.6	398.2	378.9	383.8	368.3	367.0	355.2	316.6	246.8
32.5°	423.7	425.0	418.1	415.0	388.8	408.8	394.4	389.5	386.3	336.5	268.6
35°	455.5	465.5	476.1	479.8	456.1	493.5	464.2	460.5	468.0	409.4	335.2
37.5°	700.4	695.4	656.2	600.7	588.2	670.5	666.1	669.2	664.3	582.6	443.7
40°	701.0	704.1	679.2	645.6	606.3	690.4	754.6	697.9	780.8	635.0	486.7
42.5°	736.5	726.6	785.8	798.9	755.2	880.5	1069.9	856.2	1035.0	773.9	662.4
45°	871.8	871.8	882.4	888.6	873.0	1187.7	1554.1	1194.5	1383.4	968.3	795.1
47.5°	1011.3	999.5	1059.9	1161.5	1222.0	1528.5	2051.3	1578.4	1876.2	1301.7	1103.6
50°	1410.1	1427.0	1542.9	1661.3	1751.6	2275.7	3302.6	2704.4	3064.6	2001.5	1684.9
52.5°	1719.8	1818.3	1907.4	2239.5	2280.0	3109.4	4341.4	3628.5	3926.3	2812.2	2086.2
55°	2039.5	2234.5	2287.5	2873.9	2920.0	3995.5	5168.2	4596.2	4680.3	3707.6	2476.9
57.5°	2625.2	2897.6	2915.6	3541.3	3539.4	5147.7	6452.5	5985.2	5921.6	4721.5	3075.8
60°	3129.4	3439.7	3328.8	4195.5	4001.1	5997.0	7148.6	6677.5	6538.5	5534.6	3497.0
62.5°	3435.3	3738.2	3601.7	4626.7	4295.9	6403.3	7400.3	7125.5	6888.7	6026.9	3840.4
65°	3663.4	3975.6	3771.2	4871.6	4290.3	6423.2	7533.7	7356.1	7078.8	6155.3	3915.8
67.5°	3633.5	3938.2	3693.3	4774.4	3990.5	5849.3	7141.7	6920.5	6577.8	5659.9	3662.1
70°	3150.5	3334.4	3065.2	4066.6	3190.4	4524.6	5563.3	5435.6	5105.9	4332.6	2832.8
72.5°	2652.0	2697.5	2445.2	3183.0	2487.5	3296.4	4227.3	4090.9	3874.6	3215.4	2141.1
75°	2048.2	2048.2	1903.7	2386.6	1848.2	2339.2	3199.8	3164.9	3031.5	2412.8	1625.7
77.5°	1383.4	1311.1	1289.3	1612.0	1276.8	1543.5	2227.7	2309.9	2275.1	1727.3	1185.2
80°	806.3	823.8	793.2	995.1	840.0	1009.5	1429.5	1537.9	1534.8	1147.2	777.7
82.5°	628.7	641.2	609.4	716.6	641.2	794.5	1002.0	995.1	1018.8	831.3	585.1
85°	619.4	628.7	595.7	662.4	615.7	754.6	941.6	939.7	934.7	769.6	549.6
87.5°	563.3	575.8	547.1	600.7	558.3	689.2	855.6	865.5	851.2	721.6	528.4
90°	471.1	484.2	471.7	534.0	490.4	594.5	744.0	751.5	739.0	643.1	476.7
92.5°	423.7	432.5	417.5	471.7	425.6	522.2	657.4	661.8	642.4	565.8	412.5
95°	390.7	399.4	380.7	420.6	375.7	460.5	559.6	573.9	545.2	477.3	351.4
97.5°	324.7	319.0	311.6	345.8	310.9	362.7	428.1	438.7	420.6	370.1	279.8
100°	281.0	282.9	279.8	304.7	272.9	311.6	362.7	367.0	359.5	322.8	253.0
102.5°	272.3	272.9	278.5	295.4	258.6	286.6	330.3	332.8	330.9	296.0	233.7
105°	269.8	269.2	272.3	290.4	252.4	262.3	304.1	305.3	299.1	275.4	218.7
107.5°	254.9	256.7	256.1	272.3	248.0	249.3	276.0	275.4	274.2	252.4	206.9
110°	292.2	289.1	276.0	276.7	253.0	259.2	286.0	282.9	276.7	263.6	225.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	415.6	406.9	391.9	342.7	317.8	335.2	*353.3*	356.4	349.6	337.7	285.4
115°	461.1	459.9	443.0	410.6	328.4	334.6	*346.5*	351.4	359.5	336.5	292.2
117.5°	378.2	398.8	372.6	377.0	330.3	290.4	*288.5*	278.5	282.9	280.4	270.4
120°	477.3	481.1	428.1	418.1	385.7	398.8	*399.4*	400.7	387.6	324.7	286.0
122.5°	671.1	671.1	686.1	713.5	696.7	673.0	*659.3*	645.6	627.5	567.7	485.4
125°	851.2	850.0	841.8	855.6	838.7	848.1	*852.4*	856.2	836.9	764.0	651.8
127.5°	686.1	703.5	732.8	807.0	760.2	747.1	*734.7*	743.4	729.1	715.4	645.6
130°	531.5	533.4	581.4	628.7	625.0	583.3	*568.9*	544.0	549.6	547.7	506.0
132.5°	454.3	456.8	484.8	511.6	534.0	503.5	*475.4*	462.4	466.7	463.6	436.8
135°	396.9	396.9	387.0	383.8	402.5	430.6	*427.5*	410.6	402.5	393.2	353.3
137.5°	343.3	342.1	324.0	314.1	329.0	365.2	*367.6*	367.6	359.5	337.1	308.4
140°	282.9	281.0	271.7	273.6	277.3	301.6	*303.5*	309.1	307.8	289.8	254.9
142.5°	214.4	215.0	228.7	244.3	253.0	305.3	*297.2*	291.0	310.9	309.7	222.5
145°	286.0	279.8	279.8	272.9	293.5	345.2	*329.0*	334.0	360.2	335.9	240.5
147.5°	262.3	265.5	266.1	264.8	291.0	294.1	*282.3*	282.9	292.2	292.2	246.1
150°	203.1	198.2	199.4	201.9	229.3	227.4	*216.8*	216.2	223.7	221.8	201.3
152.5°	160.8	160.1	159.5	162.0	184.4	175.1	*170.7*	168.9	167.6	165.8	160.8
155°	151.4	150.8	149.6	152.7	165.8	161.4	*158.9*	158.9	155.8	152.7	149.6
157.5°	134.6	134.0	134.6	140.8	148.3	143.3	*142.7*	142.1	140.8	137.1	135.8
160°	125.9	125.2	126.5	131.5	134.6	130.2	*129.0*	129.6	129.0	127.1	129.6
162.5°	119.0	119.0	119.0	122.1	123.4	120.3	*119.6*	120.3	120.9	120.9	124.0
165°	115.3	115.3	115.9	117.8	117.8	116.5	*115.3*	115.3	118.4	119.6	122.1
167.5°	117.8	117.8	118.4	119.0	119.0	117.8	*117.8*	118.4	120.3	121.5	121.5
170°	121.5	121.5	121.5	122.1	121.5	119.6	*119.6*	119.6	120.3	120.3	120.9
172.5°	125.9	125.9	125.9	125.2	124.0	123.4	*122.1*	122.1	122.8	122.1	122.8
175°	132.1	131.5	131.5	130.9	130.2	129.6	*129.0*	128.4	128.4	126.5	126.5
177.5°	135.2	134.6	135.2	135.2	134.6	133.3	*132.1*	132.1	131.5	130.2	129.6
180°	130.2	130.2	130.2	130.2	130.2	130.2	*130.2*	130.2	130.2	130.2	130.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
2.5°	52.3	50.5	45.5	41.1	38.0	36.8	36.8	34.9	32.4	30.5	29.9
5°	69.2	67.9	66.1	63.6	58.0	50.5	44.2	41.7	40.5	39.9	39.3
7.5°	97.8	99.1	101.6	100.9	90.4	70.4	58.6	58.0	64.8	72.3	74.8
10°	126.5	125.2	133.3	140.2	114.0	79.8	60.4	58.6	67.9	81.0	82.9
12.5°	151.4	145.2	140.8	133.3	109.0	79.8	64.8	61.1	65.4	75.4	75.4
15°	170.1	162.0	143.9	126.5	104.7	82.3	67.3	64.8	64.8	61.7	62.3
17.5°	184.4	169.5	143.3	120.9	97.2	78.5	66.7	59.8	56.1	51.1	49.9
20°	201.3	190.7	155.8	124.6	96.0	76.0	64.8	56.7	52.3	50.5	49.9
22.5°	219.3	197.5	163.9	125.9	96.0	77.3	64.2	55.5	51.7	50.5	50.5
25°	221.2	202.5	168.2	130.9	99.1	79.8	65.4	56.1	52.3	51.1	50.5
27.5°	218.7	205.6	175.7	136.5	102.2	82.3	67.9	57.3	52.3	50.5	49.9
30°	228.1	217.5	184.4	140.2	105.3	85.4	70.4	59.8	53.6	49.9	49.2
32.5°	251.7	236.8	196.3	142.7	106.6	86.0	72.9	62.3	54.8	50.5	49.9
35°	314.1	300.3	241.8	151.4	106.6	87.2	74.8	64.2	56.1	51.1	50.5
37.5°	404.4	378.9	297.2	180.7	107.8	89.7	76.6	66.7	58.0	52.3	51.1
40°	428.7	362.0	252.4	162.0	110.3	92.2	79.8	69.2	60.4	54.2	53.6
42.5°	556.5	463.0	311.6	171.4	117.8	94.1	81.6	71.7	62.3	56.1	54.8
45°	595.7	463.6	316.6	198.2	138.3	102.2	84.7	73.5	63.6	57.3	56.7
47.5°	780.8	575.1	322.8	212.5	155.2	117.8	92.2	76.0	64.8	58.6	58.0
50°	1144.7	811.3	400.7	265.5	191.9	143.9	108.4	81.0	66.1	60.4	59.2
52.5°	1428.2	973.3	434.3	324.7	254.9	190.1	136.5	94.1	69.8	61.7	60.4
55°	1741.0	1195.8	493.5	391.3	309.1	238.0	173.2	113.4	77.3	63.6	62.3
57.5°	2171.6	1427.6	579.5	461.7	375.1	277.9	197.5	132.7	87.2	67.9	65.4
60°	2433.3	1526.0	593.2	499.8	414.4	309.7	208.1	140.8	97.8	74.2	70.4
62.5°	2683.8	1594.0	597.0	514.7	423.7	315.9	209.4	137.1	101.6	82.9	77.9
65°	*2734.9*	*1526.7*	*598.2*	*517.8*	*412.5*	*299.7*	*202.5*	*133.3*	*97.2*	*90.4*	*91.0*
67.5°	2562.3	1355.9	554.6	495.4	382.6	267.3	182.0	127.7	96.0	89.1	91.0
70°	2014.6	1062.4	506.6	459.2	324.7	227.4	162.0	120.3	96.0	86.0	84.1
72.5°	1564.1	907.9	519.1	436.2	277.9	203.1	146.4	112.2	92.8	85.4	84.1
75°	1213.9	757.7	511.6	383.8	226.8	174.5	131.5	102.8	88.5	84.1	83.5
77.5°	887.3	597.6	423.1	294.1	188.2	148.3	115.9	96.6	86.0	82.3	81.6
80°	570.8	418.1	294.7	234.9	165.1	135.2	108.4	92.2	84.7	82.3	81.6
82.5°	481.1	379.5	265.5	222.5	159.5	137.7	113.4	96.6	89.1	86.6	86.0
85°	463.0	390.7	272.9	231.8	152.7	131.5	110.9	96.6	89.7	86.6	86.0
87.5°	439.9	353.3	269.2	213.1	147.1	126.5	109.0	99.1	92.2	90.4	89.7
90°	398.2	311.6	246.8	198.2	155.2	134.6	120.3	109.7	102.8	98.5	97.2
92.5°	335.9	250.5	211.9	195.7	170.1	152.7	138.3	129.0	121.5	117.1	115.3
95°	282.9	218.7	184.4	173.2	150.2	137.1	123.4	116.5	110.9	107.2	107.2
97.5°	230.6	187.6	171.4	162.6	143.9	129.6	118.4	111.5	109.7	108.4	107.8
100°	216.8	183.8	172.6	165.1	150.2	137.1	128.4	122.1	121.5	120.9	120.9
102.5°	201.3	173.9	161.4	153.9	139.0	127.7	121.5	116.5	114.7	112.8	110.9
105°	190.1	164.5	155.2	145.2	133.3	122.1	115.9	108.4	107.2	106.6	106.6
107.5°	184.4	163.3	158.3	142.7	131.5	126.5	119.0	109.7	107.8	105.3	105.3
110°	203.8	181.3	167.0	147.7	135.8	131.5	129.6	121.5	115.3	107.8	107.2

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

Scaled Data Report

REPORT NUMBER: P1046573
CATALOG NUMBER: FFX-CLB-60-740-U-FR-T3-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	252.4	221.8	205.0	176.3	152.0	141.5	133.3	124.6	120.9	115.9	114.0
115°	271.7	240.5	219.3	190.7	162.6	143.9	132.1	130.9	127.1	124.0	127.1
117.5°	278.5	218.7	180.7	173.9	152.7	137.7	132.1	130.2	131.5	131.5	125.9
120°	300.3	236.2	221.8	213.1	173.2	148.9	136.5	142.7	141.5	134.0	134.0
122.5°	448.0	400.0	352.7	294.1	244.3	215.6	173.2	145.2	139.6	134.6	131.5
125°	590.1	547.1	473.0	395.1	309.1	228.7	172.0	152.0	141.5	135.2	136.5
127.5°	601.3	555.8	471.1	375.7	276.0	213.7	173.2	155.8	143.9	137.1	135.8
130°	469.8	437.4	373.9	304.1	234.3	191.3	160.1	142.7	132.1	125.9	124.6
132.5°	415.6	388.2	322.2	261.1	213.7	177.6	150.8	131.5	124.0	119.6	119.0
135°	332.1	309.1	264.8	231.8	198.8	168.9	142.1	124.0	117.1	116.5	115.3
137.5°	291.0	272.3	238.0	210.6	183.2	154.5	132.1	117.1	114.0	114.7	112.8
140°	237.4	229.3	210.0	186.3	157.0	127.1	111.5	106.6	111.5	114.0	114.0
142.5°	203.8	193.2	171.4	143.9	125.2	111.5	109.7	107.8	110.3	111.5	111.5
145°	187.6	175.1	157.0	147.1	138.3	126.5	116.5	107.8	105.3	105.9	105.9
147.5°	211.9	197.5	185.7	167.0	145.8	125.9	110.9	100.9	100.9	103.4	104.1
150°	175.7	163.3	155.2	144.6	128.4	112.2	101.6	96.6	98.5	103.4	104.1
152.5°	147.1	132.1	127.1	120.9	112.2	103.4	98.5	96.0	99.1	102.8	102.8
155°	143.3	130.2	124.0	117.8	109.7	102.2	97.8	96.6	99.7	102.2	102.8
157.5°	134.6	127.1	119.0	114.0	107.8	102.2	99.1	97.8	100.3	102.2	102.8
160°	129.6	125.2	115.9	111.5	105.9	102.2	101.6	101.6	102.8	103.4	103.4
162.5°	124.0	121.5	115.9	112.2	108.4	106.6	107.8	108.4	108.4	107.8	107.8
165°	122.1	120.9	115.9	112.8	110.9	111.5	114.0	114.7	112.8	111.5	111.5
167.5°	121.5	121.5	117.8	115.3	114.7	115.9	118.4	118.4	116.5	114.0	113.4
170°	121.5	122.1	120.9	120.9	119.6	120.3	120.9	120.9	119.6	118.4	117.8
172.5°	123.4	123.4	123.4	123.4	122.8	123.4	124.0	124.0	124.0	123.4	123.4
175°	126.5	126.5	126.5	125.9	125.2	125.2	125.9	126.5	127.1	127.1	127.1
177.5°	129.6	129.0	128.4	129.0	128.4	128.4	129.6	130.2	130.9	130.9	130.9
180°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2

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

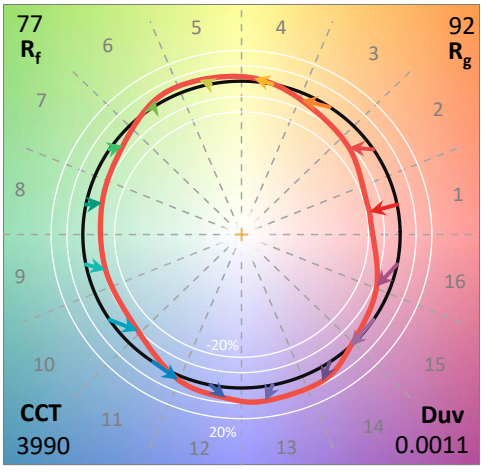
Test Information

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

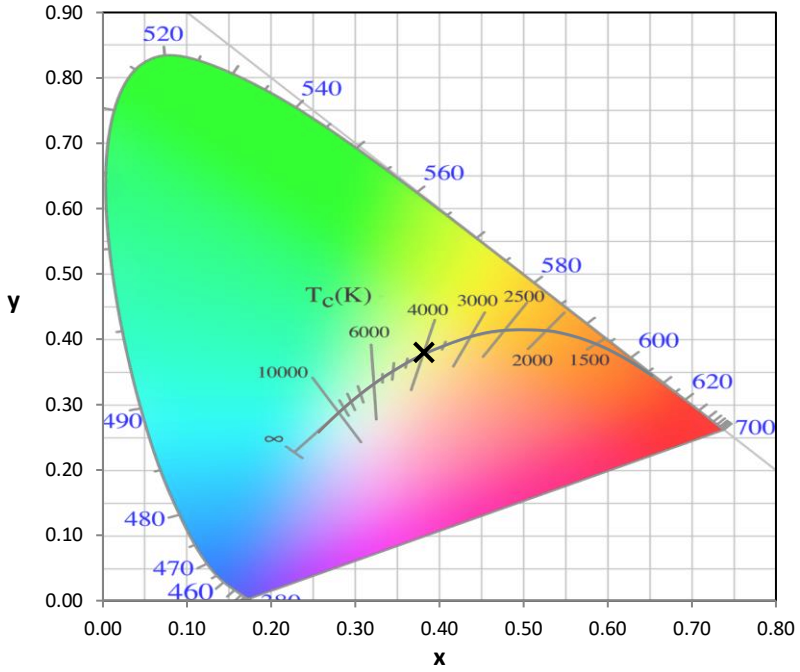
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

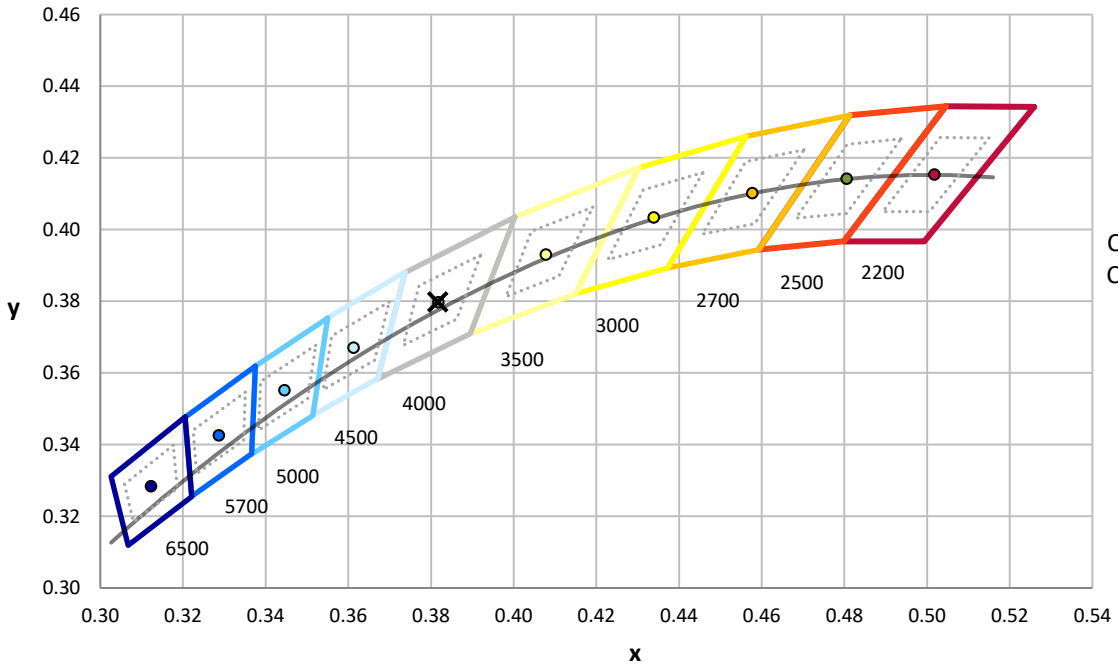
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

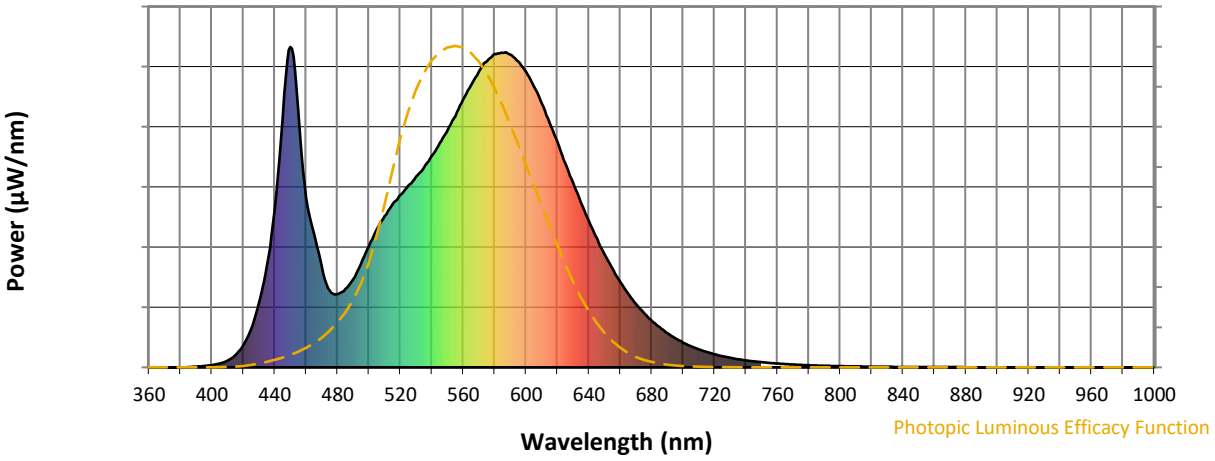


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

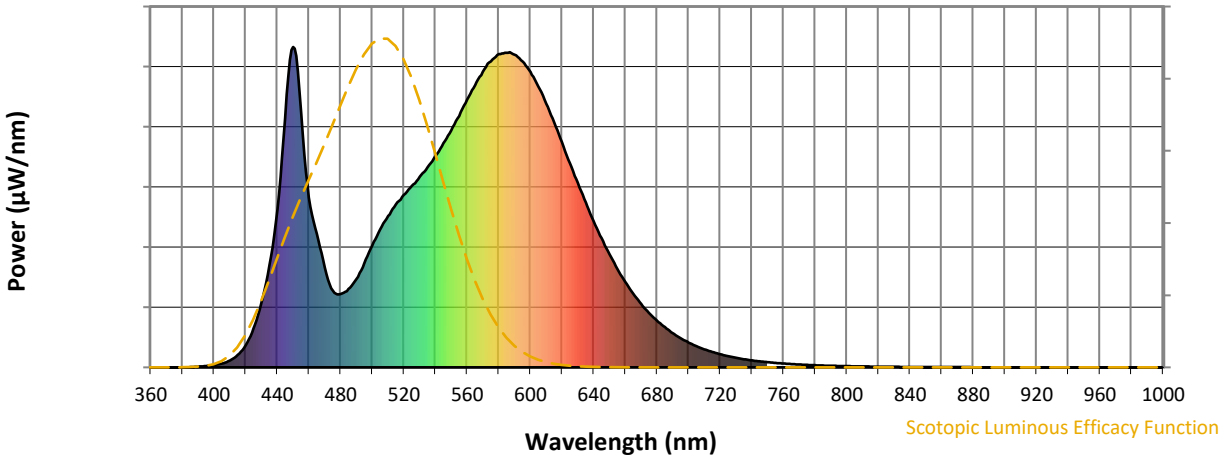


Photopic Lumens: NR

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

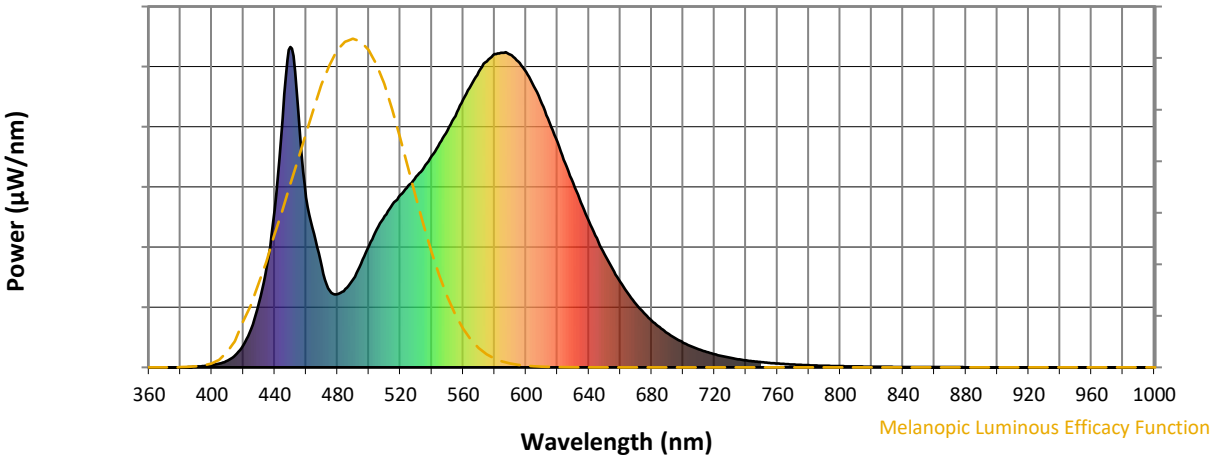


Scotopic Lumens: NR **S/P: 1.59**

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			

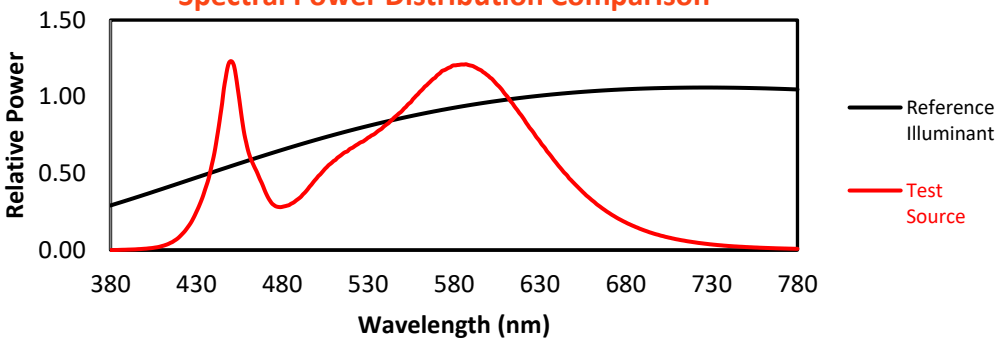
REPORT NUMBER: SP1-2501-332-1

TM-30-18

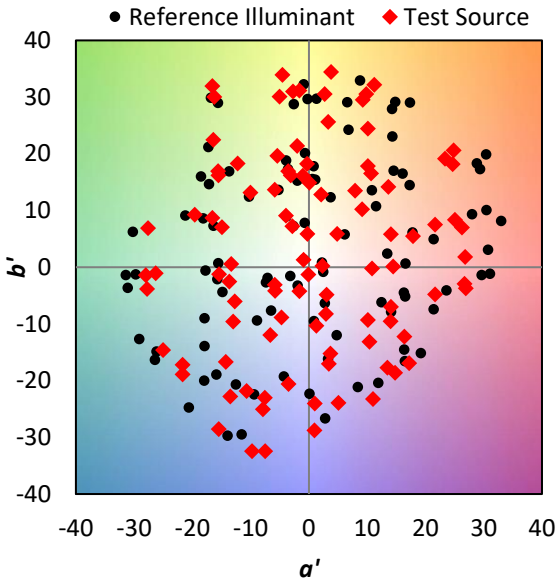
Summary

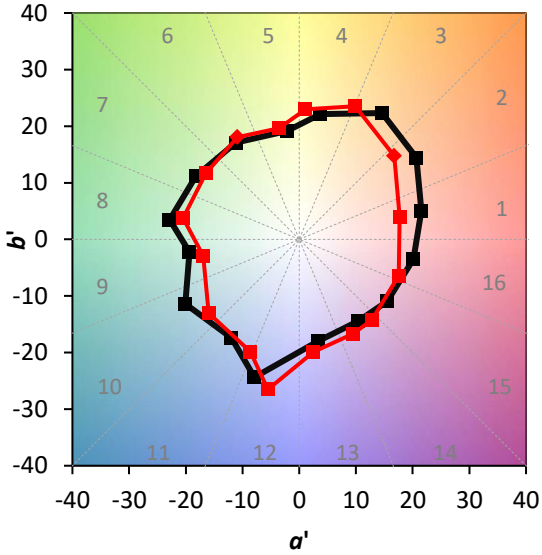
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

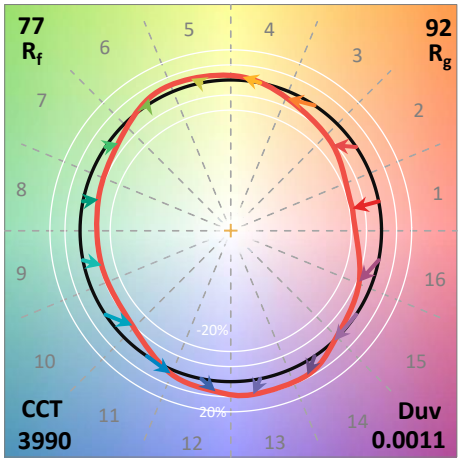
Spectral Power Distribution Comparison

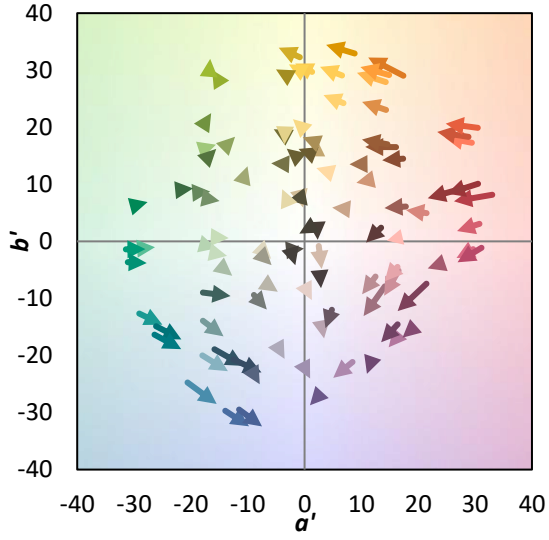


Color Vector Graphics







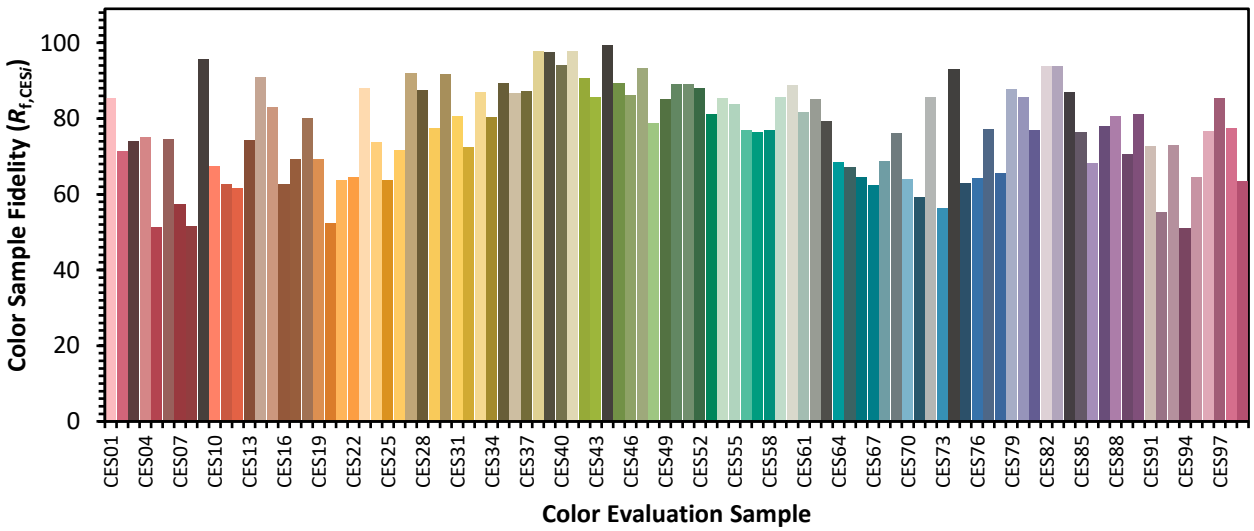


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

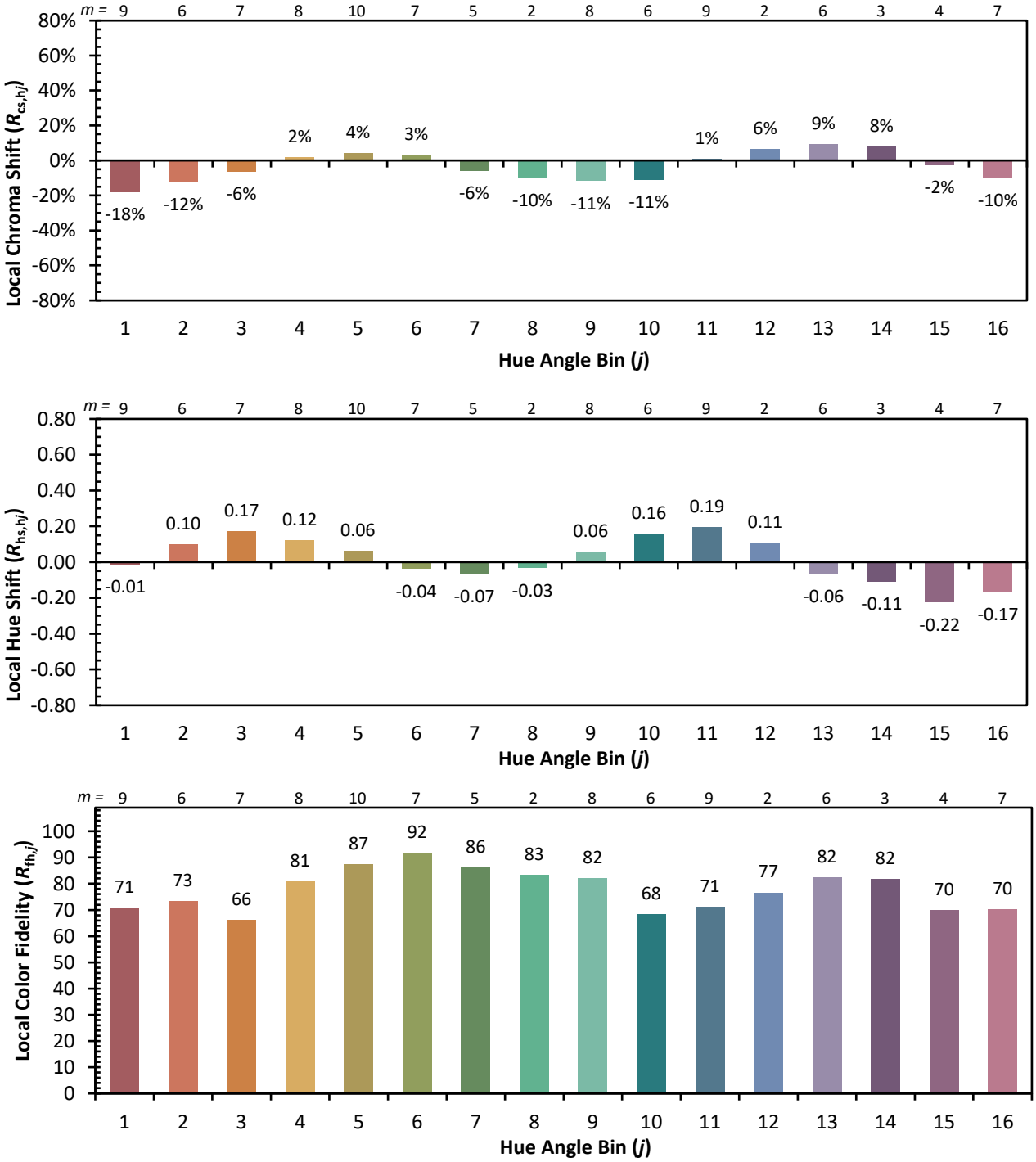
CES01 = 85	CES26 = 72	CES51 = 89	CES76 = 64
CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 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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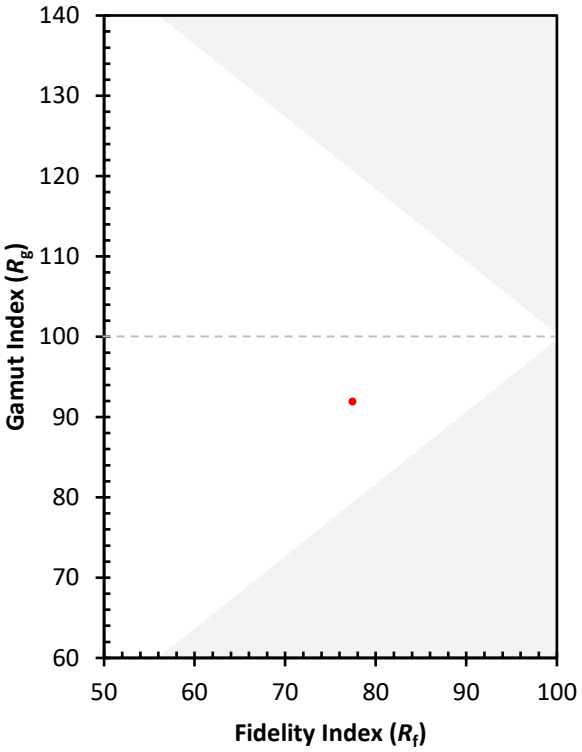
Color Rendition by Hue-Angle Bin

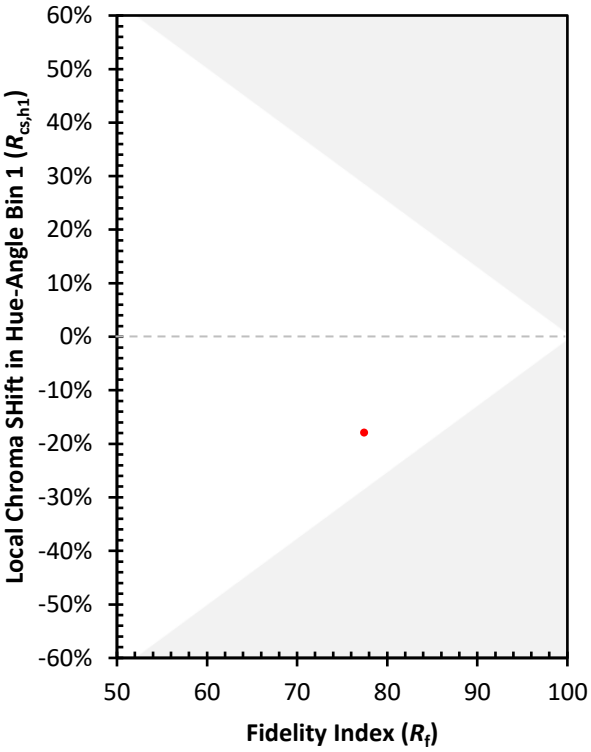


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Measure Comparisons





(END OF REPORT)