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: P1223957

Luminaire Tested: **FFX-CLB-30-740-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223957
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-740-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4536.6 lumens
Efficiency:	N/A
Efficacy:	148.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

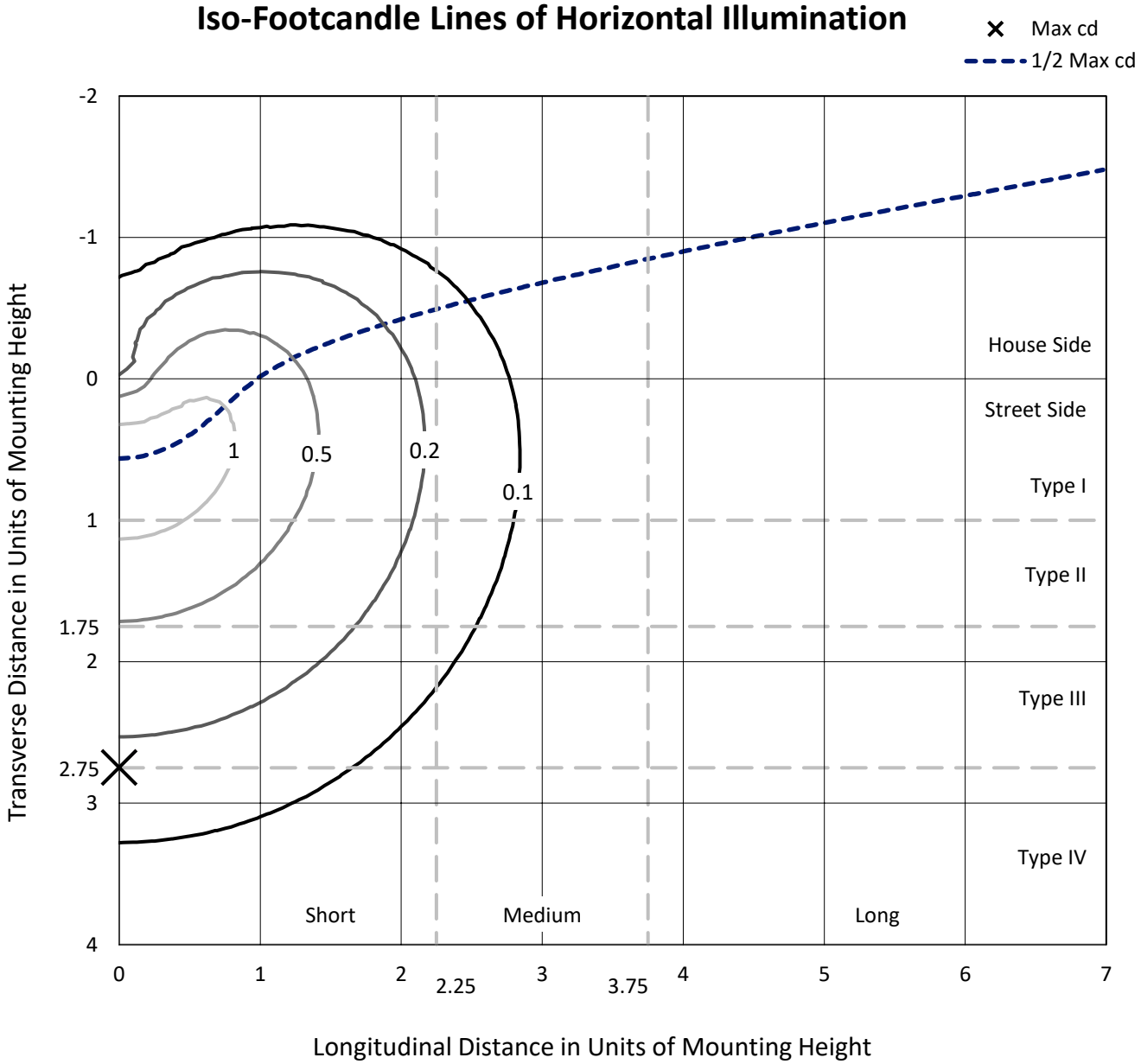


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Iso-Footcandle Lines of Horizontal Illumination



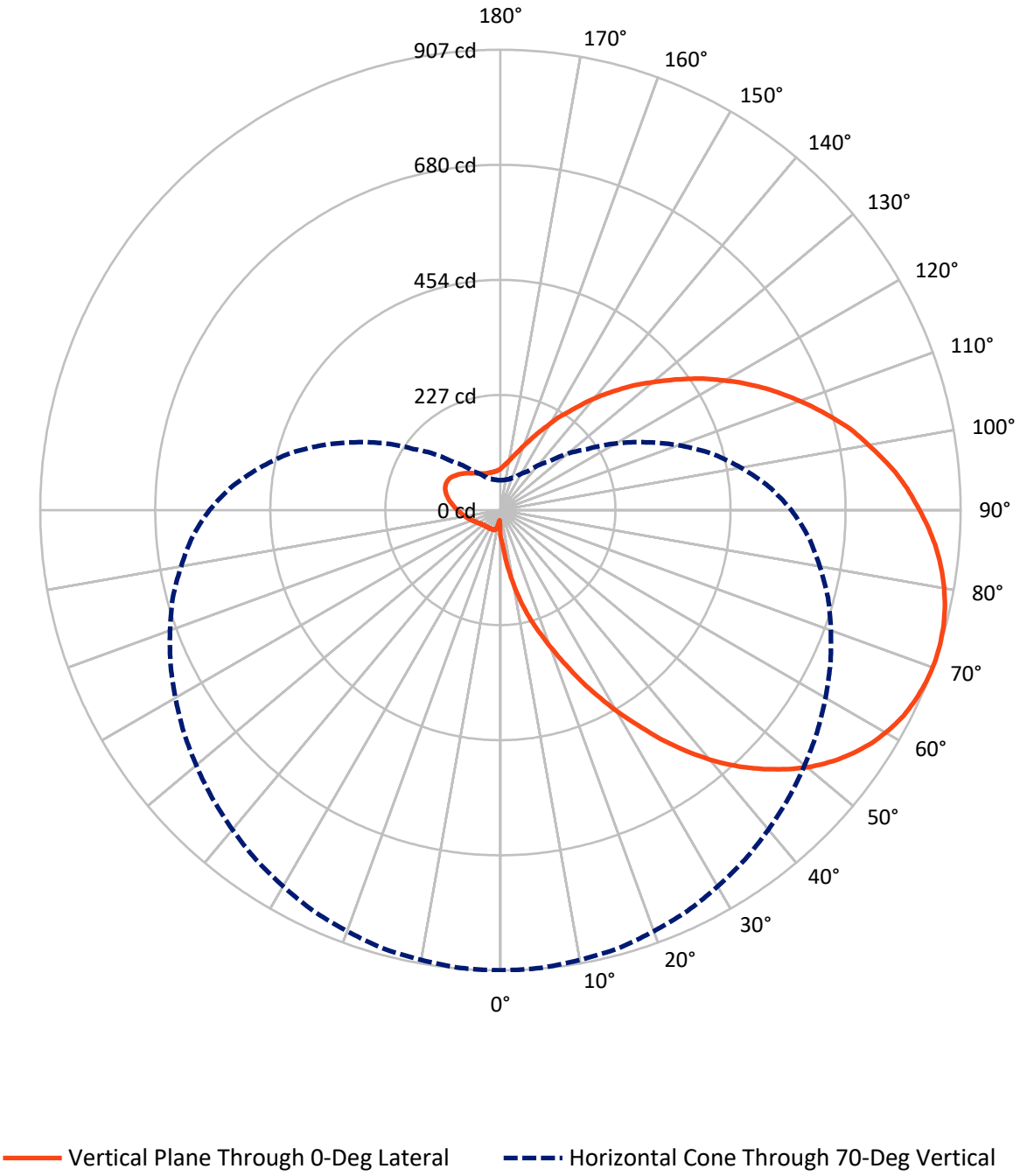
Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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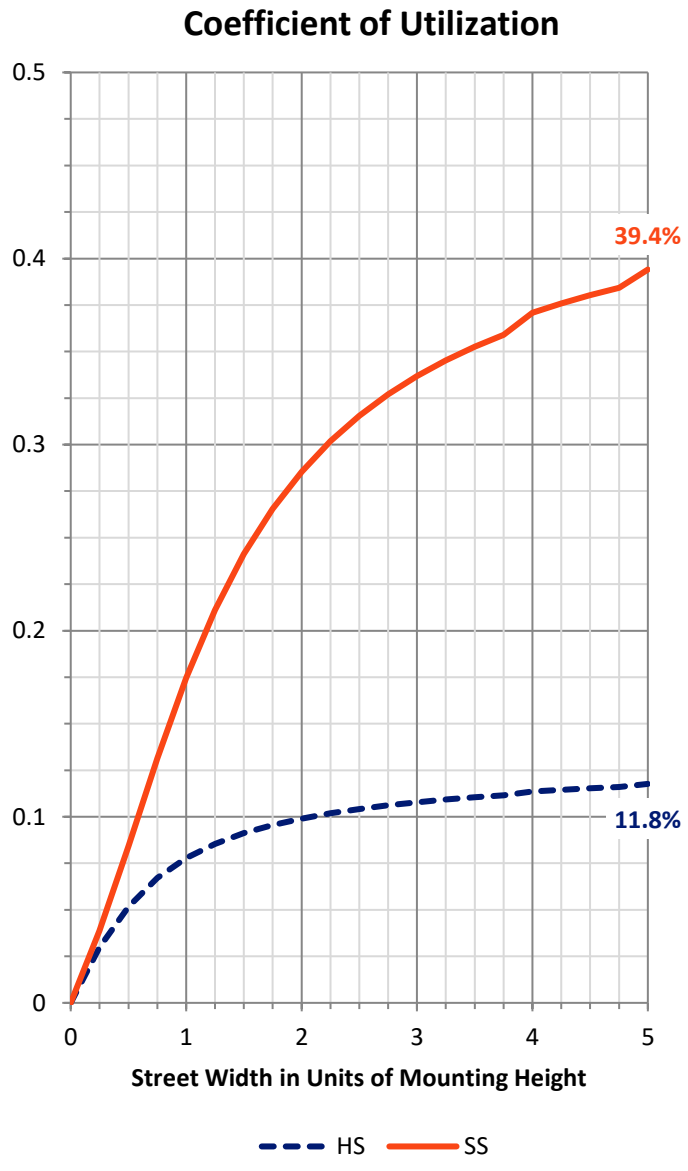
REPORT NUMBER: P1223957
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.7	561.3	1143.0
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	2043.3	1350.3	3393.6
	% Fixture	45.0	29.8	74.8
Total	Lumens	2625.1	1911.6	4536.6
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.2
10°-20°	39.7	0.9
20°-30°	104.3	2.3
30°-40°	202.7	4.5
40°-50°	315.8	7.0
50°-60°	416.7	9.2
60°-70°	489.3	10.8
70°-80°	526.4	11.6
80°-90°	523.4	11.5
90°-100°	486.6	10.7
100°-110°	427.3	9.4
110°-120°	351.4	7.7
120°-130°	264.5	5.8
130°-140°	179.3	4.0
140°-150°	108.6	2.4
150°-160°	58.4	1.3
160°-170°	27.5	0.6
170°-180°	8.0	0.2
0°-90°	2625.1	57.9
0°-180°	4536.6	100.0



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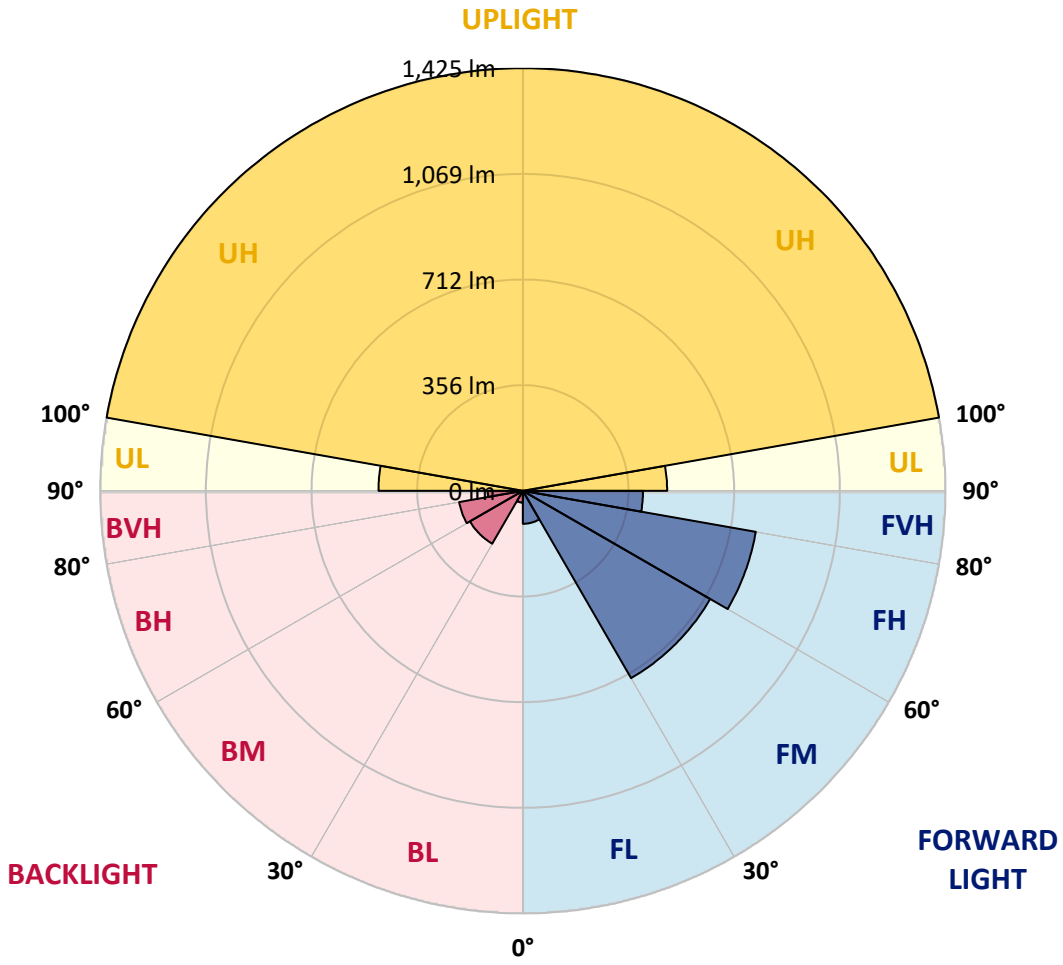
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	111.1	2.4			
FM	(30°-60°)	729.3	16.1			
FH	(60°-80°)	797.7	17.6			G1/1800
FVH	(80°-90°)	405.2	8.9			G3/500
BL	(0°-30°)	39.7	0.9	B0/110		
BM	(30°-60°)	205.9	4.5	B0/220		
BH	(60°-80°)	218.0	4.8	B1/500		G1/500
BVH	(80°-90°)	118.2	2.6			G2/225
UL	(90°-100°)	486.6	10.7		U3/500	
UH	(100°-180°)	1425.0	31.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
2.5°	63.2	63.5	63.2	63.2	63.9	63.2	62.5	60.2	57.5	54.2	52.6
5°	88.5	88.5	90.1	90.1	88.5	84.8	80.5	74.5	69.2	63.5	59.5
7.5°	120.8	121.4	120.1	116.8	114.8	107.4	103.1	95.5	88.8	81.2	77.5
10°	154.4	154.7	153.0	150.0	143.7	136.4	130.1	121.1	112.4	102.5	97.1
12.5°	190.3	189.6	186.6	180.0	176.3	168.0	159.7	150.4	138.7	126.4	120.1
15°	224.5	223.2	221.9	214.9	209.9	201.6	191.9	179.3	165.7	152.0	142.7
17.5°	257.5	254.5	252.5	249.2	241.5	234.2	221.9	206.9	192.3	174.3	164.7
20°	292.7	293.4	290.1	285.4	277.1	266.5	254.5	238.5	220.2	198.9	187.3
22.5°	332.3	332.3	330.3	324.3	315.7	302.0	288.1	271.4	248.8	226.5	212.2
25°	376.2	373.9	371.2	363.6	356.3	341.6	325.0	307.0	283.4	256.5	240.5
27.5°	419.8	418.8	416.1	407.8	398.5	383.2	366.6	343.3	317.7	286.1	269.4
30°	466.0	465.0	462.4	454.4	440.8	425.8	405.8	380.9	352.9	317.3	299.1
32.5°	510.6	510.6	507.3	499.0	484.7	466.7	445.4	417.5	386.5	349.9	328.0
35°	560.2	559.9	553.9	543.9	526.6	511.0	487.0	457.7	422.8	380.9	357.6
37.5°	605.8	604.1	598.1	587.5	571.5	551.2	524.3	492.0	456.1	411.5	385.2
40°	650.7	648.7	643.3	631.4	612.1	589.1	561.5	526.9	486.3	440.1	412.8
42.5°	691.2	690.6	682.9	668.6	649.3	623.4	593.8	557.2	516.6	466.7	437.8
45°	728.2	728.2	720.5	704.9	682.9	656.7	624.1	586.5	543.2	491.0	460.4
47.5°	763.1	763.1	755.8	737.8	713.5	684.6	651.3	612.4	566.5	512.9	480.3
50°	794.7	793.4	785.1	765.1	740.5	710.2	675.3	634.4	588.1	532.6	499.6
52.5°	822.0	820.3	810.7	792.0	764.4	732.2	695.6	654.0	605.8	549.5	515.9
55°	844.9	843.9	834.6	813.3	784.4	752.1	713.2	670.0	622.4	563.8	529.9
57.5°	864.9	863.2	852.3	830.6	801.7	766.4	727.2	684.3	635.0	576.8	541.6
60°	879.9	878.2	866.9	845.3	816.0	778.7	739.5	695.9	646.0	587.1	551.2
62.5°	892.2	890.2	879.2	856.2	825.6	789.0	748.8	704.6	654.7	595.4	559.5
65°	899.8	898.2	887.5	864.6	833.0	796.0	755.8	711.2	661.6	601.8	565.8
67.5°	904.8	903.5	892.5	870.2	838.6	801.0	760.1	715.5	666.3	606.4	570.5
70°	907.1	905.8	894.5	871.9	840.6	803.0	762.1	717.5	668.6	609.7	573.5
71°	907.1	905.8	894.8	872.2	840.9	803.4	762.4	717.9	669.0	610.1	573.8
72.5°	906.1	905.1	894.2	871.2	839.9	802.7	761.4	717.5	669.0	610.4	574.5
75°	902.5	900.5	889.8	867.6	836.6	799.4	758.4	714.5	667.0	609.4	573.8
77.5°	895.8	894.2	883.2	861.6	830.6	793.0	752.5	709.5	663.0	606.1	571.2
80°	886.2	884.5	873.9	851.6	821.0	784.7	744.1	701.9	656.0	600.8	566.5
82.5°	873.9	872.5	862.2	839.9	809.7	773.7	733.2	691.9	648.3	593.4	559.9
85°	859.2	857.6	846.3	824.3	795.4	759.4	719.9	679.9	637.4	584.5	551.9
87.5°	841.6	840.6	829.3	808.3	779.4	743.8	705.9	667.0	625.1	574.5	542.9
90°	822.3	822.0	810.0	789.0	760.4	726.8	689.3	651.3	610.7	562.5	531.9
92.5°	803.0	803.0	791.0	769.4	741.1	707.9	672.3	635.7	597.1	550.5	521.3
95°	781.7	779.4	768.1	748.8	720.5	688.6	654.3	618.4	581.1	536.9	509.3
97.5°	756.8	756.1	745.1	724.5	698.6	668.0	634.7	601.4	565.5	522.9	496.6
100°	732.5	731.2	720.9	701.9	675.3	646.0	614.7	582.8	548.9	508.6	483.3
102.5°	708.5	705.2	694.6	675.3	652.0	623.4	594.1	564.8	531.6	493.3	469.7
105°	679.6	679.3	668.3	650.0	626.4	601.1	573.5	544.9	514.6	477.7	455.7
107.5°	651.3	651.3	641.0	623.1	600.8	576.5	551.9	524.9	497.0	461.4	441.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*622.4*	622.1	612.7	596.8	575.5	552.2	529.6	505.0	477.0	445.8	426.1
112.5°	*593.8*	593.1	584.1	567.8	548.2	529.2	506.6	484.0	458.4	429.5	410.8
115°	*564.8*	564.2	554.5	540.2	522.3	502.6	483.7	462.1	439.8	410.8	394.5
117.5°	*534.9*	534.2	526.3	512.3	495.3	479.7	460.7	442.1	419.5	393.2	376.9
120°	*504.3*	504.6	496.6	484.0	468.4	453.7	437.1	420.1	399.2	374.2	358.6
122.5°	*475.4*	473.0	467.7	456.4	442.4	428.8	414.8	397.5	377.9	354.3	340.6
125°	*444.4*	443.8	438.4	427.1	415.1	404.5	391.5	375.9	357.9	334.0	321.7
127.5°	*414.5*	415.5	409.5	401.2	389.5	380.6	367.2	353.6	336.3	314.7	303.0
130°	*386.5*	385.9	382.5	373.9	364.3	354.9	345.0	332.7	316.4	294.7	284.1
132.5°	*360.6*	357.6	354.6	347.3	339.3	331.7	323.0	310.7	294.1	275.1	265.8
135°	*332.3*	332.3	327.7	321.3	315.7	308.4	299.7	288.4	274.1	257.5	246.8
137.5°	*306.4*	305.0	302.0	297.1	291.7	286.4	279.1	267.8	255.1	239.2	229.9
140°	*281.8*	280.8	278.1	273.8	269.4	264.5	257.8	248.2	236.5	221.2	213.2
142.5°	*256.1*	256.8	254.5	251.5	246.5	243.2	237.2	228.5	218.2	204.9	197.3
145°	*233.2*	233.5	232.5	229.5	225.9	222.5	216.2	209.9	199.9	187.9	182.3
147.5°	*214.2*	212.9	210.9	209.2	205.9	203.2	198.3	192.3	183.0	172.6	167.3
150°	*192.9*	193.9	191.9	189.9	187.9	184.3	180.6	175.6	167.0	158.7	153.0
152.5°	*175.0*	175.6	174.0	173.0	171.0	168.0	164.3	159.7	153.0	145.7	140.4
155°	*159.0*	159.0	159.0	157.7	155.3	153.4	149.7	145.4	139.7	133.1	129.4
157.5°	*144.4*	144.7	144.7	143.0	141.4	139.7	136.7	133.1	128.1	122.4	119.8
160°	*132.7*	132.1	131.7	130.4	129.1	127.7	125.1	122.1	117.8	113.1	110.8
162.5°	*121.1*	121.1	120.4	119.4	118.4	116.4	114.8	111.8	108.8	105.5	102.8
165°	*112.1*	111.8	111.8	110.4	109.4	107.8	106.1	104.1	101.5	98.5	96.5
167.5°	*104.5*	103.8	103.5	102.8	101.5	100.5	98.8	97.1	95.1	93.1	91.5
170°	*97.1*	97.5	96.8	96.1	95.5	94.5	93.1	91.8	90.1	88.2	87.5
172.5°	*92.1*	91.8	91.5	90.8	90.1	89.2	88.5	87.2	86.2	84.8	84.2
175°	*87.5*	87.5	87.2	86.5	85.8	85.2	84.5	83.8	83.2	82.2	81.8
177.5°	*83.8*	83.8	83.8	83.2	82.8	82.5	81.8	81.5	81.2	80.5	80.5
180°	*80.2*	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
2.5°	50.9	46.6	42.9	39.6	36.9	34.6	33.3	30.9	29.3	28.3
5°	57.2	50.9	45.6	40.3	36.3	31.9	27.6	23.3	20.6	20.3
7.5°	72.5	65.5	57.5	50.6	42.6	35.9	30.3	25.9	24.3	24.0
10°	91.8	81.5	70.9	60.5	50.2	41.9	35.9	31.9	29.9	29.6
12.5°	113.1	99.1	85.5	72.2	59.9	50.6	43.2	38.6	36.3	36.3
15°	135.1	117.8	100.5	84.2	69.9	58.2	49.2	43.2	40.6	40.3
17.5°	154.4	134.7	114.1	94.8	77.5	62.9	52.2	44.9	41.6	41.2
20°	176.3	151.4	127.7	103.8	83.5	66.5	53.9	45.6	41.2	40.9
22.5°	199.6	171.3	142.0	114.1	89.8	70.2	55.6	46.2	41.6	40.9
25°	225.9	191.9	156.7	124.4	96.1	73.5	57.2	46.9	41.9	41.2
27.5°	250.8	213.2	172.3	134.1	101.8	76.5	58.5	47.6	42.2	41.6
30°	277.4	234.2	187.6	144.4	107.8	79.5	59.9	47.9	42.2	41.6
32.5°	304.4	254.5	203.6	153.7	112.8	81.5	60.5	48.2	42.6	41.9
35°	333.0	276.4	218.6	163.3	117.4	83.5	61.2	48.6	42.6	41.9
37.5°	359.3	297.4	233.2	171.6	121.4	85.2	61.9	48.6	42.9	42.2
40°	382.9	316.4	246.2	179.0	124.7	86.2	62.2	48.9	43.2	42.6
42.5°	406.2	335.0	257.8	185.0	127.4	86.8	62.5	49.2	43.6	42.9
45°	426.8	350.6	268.4	190.6	129.4	87.5	62.9	49.6	43.9	43.2
47.5°	445.1	365.3	278.4	195.3	130.7	87.8	63.2	49.9	44.6	43.9
50°	462.7	379.2	286.1	198.9	132.1	88.2	63.2	50.6	45.6	44.9
52.5°	477.7	390.5	293.1	201.9	132.7	88.5	63.9	51.2	46.2	45.9
55°	490.7	400.5	299.4	204.2	133.4	88.5	64.5	52.2	47.6	46.9
57.5°	501.3	408.5	303.7	205.6	133.4	88.8	64.9	53.6	48.9	48.2
60°	510.6	415.5	307.7	207.2	133.7	89.2	65.9	54.9	50.6	50.2
62.5°	518.3	420.8	310.7	208.2	134.1	90.1	67.2	56.6	52.2	51.9
65°	524.3	425.5	313.0	208.9	134.4	90.8	68.5	58.2	54.6	54.2
67.5°	528.2	428.8	314.7	209.2	134.7	91.8	70.2	60.5	56.9	56.2
70°	*531.2*	*430.8*	*315.7*	*209.6*	*135.4*	*92.8*	*72.2*	*62.5*	*59.2*	*58.9*
71°	531.9	431.1	316.0	209.6	135.7	93.5	72.9	63.5	60.2	59.9
72.5°	532.2	431.4	316.0	209.6	136.1	94.5	74.2	65.2	61.9	61.5
75°	531.9	431.1	315.7	209.6	136.7	96.1	76.5	67.5	64.5	64.2
77.5°	529.6	429.8	314.7	209.6	137.7	98.1	79.2	70.9	67.5	67.2
80°	525.6	427.1	313.0	209.2	138.7	100.5	81.8	73.8	70.5	70.2
82.5°	520.3	423.1	310.7	209.2	140.0	102.5	84.5	76.5	73.8	73.5
85°	513.3	418.5	308.4	208.9	141.7	105.1	87.8	80.2	77.5	76.8
87.5°	505.0	412.8	305.7	208.9	143.4	108.1	91.1	83.5	80.8	80.2
90°	495.7	406.5	303.0	208.9	145.4	111.1	94.8	87.2	84.2	83.8
92.5°	486.3	400.5	300.4	209.2	148.0	114.4	98.5	91.1	88.2	88.2
95°	475.7	393.2	297.4	209.9	150.7	118.1	102.8	95.1	92.1	91.8
97.5°	465.0	386.5	295.1	210.9	153.7	122.4	106.8	99.5	96.5	95.8
100°	453.1	379.6	292.7	212.2	157.3	126.4	111.1	103.8	100.8	100.5
102.5°	441.4	371.9	290.1	213.9	161.0	131.1	115.8	108.1	105.1	104.8
105°	428.8	363.9	287.1	215.2	164.7	135.4	120.1	112.1	108.8	108.8
107.5°	416.5	355.6	284.1	216.9	168.3	139.7	124.1	116.1	112.4	112.1

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

Scaled Data Report

REPORT NUMBER: P1223957
CATALOG NUMBER: FFX-CLB-30-740-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	402.5	346.6	280.4	217.9	171.6	143.4	127.7	119.1	115.4	115.1
112.5°	389.9	337.0	276.4	218.2	174.6	146.7	130.7	121.8	118.1	117.4
115°	373.9	327.0	271.1	217.6	176.3	149.4	132.7	123.4	119.4	118.8
117.5°	358.6	315.7	265.5	215.9	177.3	150.7	134.1	124.4	120.1	119.4
120°	343.0	303.0	257.5	212.9	176.3	150.7	134.1	123.7	119.4	119.1
122.5°	325.3	289.7	249.2	208.6	174.6	149.4	132.7	122.7	118.1	117.8
125°	307.0	275.4	239.2	202.6	171.3	147.4	130.7	120.8	116.1	115.8
127.5°	289.4	260.8	228.9	195.6	166.7	144.0	128.1	117.8	113.1	112.4
130°	272.1	245.5	217.2	187.3	161.0	139.7	124.4	114.8	110.1	109.4
132.5°	254.1	230.9	205.6	179.3	155.0	135.1	120.4	111.1	106.8	106.1
135°	237.2	215.6	192.9	169.7	148.0	129.7	116.1	107.4	103.1	102.8
137.5°	220.9	201.3	181.3	160.3	141.0	124.4	111.8	103.8	99.8	99.1
140°	204.2	187.3	169.3	151.4	133.4	118.8	107.4	99.8	96.1	95.5
142.5°	189.9	174.0	158.0	141.4	126.1	112.8	102.8	95.8	92.8	92.5
145°	175.0	161.0	146.7	132.4	119.1	107.4	98.5	92.5	89.5	89.2
147.5°	161.7	148.4	136.1	123.7	112.1	101.8	94.1	89.2	86.8	86.5
150°	148.0	137.4	126.7	115.4	105.5	96.8	90.5	86.2	83.8	83.5
152.5°	136.1	127.1	117.4	108.8	99.5	92.5	87.2	83.2	81.5	81.2
155°	125.7	118.1	110.1	102.1	94.8	89.2	84.5	81.2	79.8	79.8
157.5°	116.8	110.1	103.5	96.8	90.8	85.8	82.2	79.8	78.5	78.2
160°	108.1	102.8	96.8	91.8	87.2	83.5	80.5	78.5	77.5	77.2
162.5°	101.1	96.5	92.5	88.2	84.5	81.5	79.2	77.5	76.8	76.8
165°	95.1	91.8	88.2	85.2	82.2	79.8	78.2	77.2	76.5	76.5
167.5°	90.5	87.5	85.2	82.5	80.5	78.8	77.5	76.8	76.5	76.2
170°	86.5	84.5	82.5	80.8	79.2	78.2	77.2	76.8	76.5	76.5
172.5°	83.5	82.2	80.8	79.5	78.5	77.5	77.2	76.8	76.8	76.8
175°	81.2	80.5	79.5	78.8	78.2	77.8	77.5	77.5	77.5	77.5
177.5°	80.2	79.5	79.2	78.8	78.5	78.5	78.5	78.8	78.8	78.8
180°	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2

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

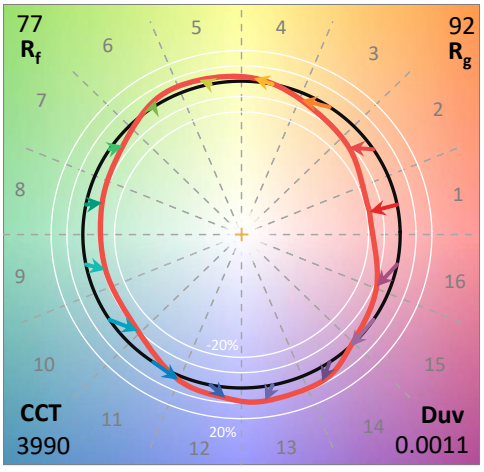
Test Information

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

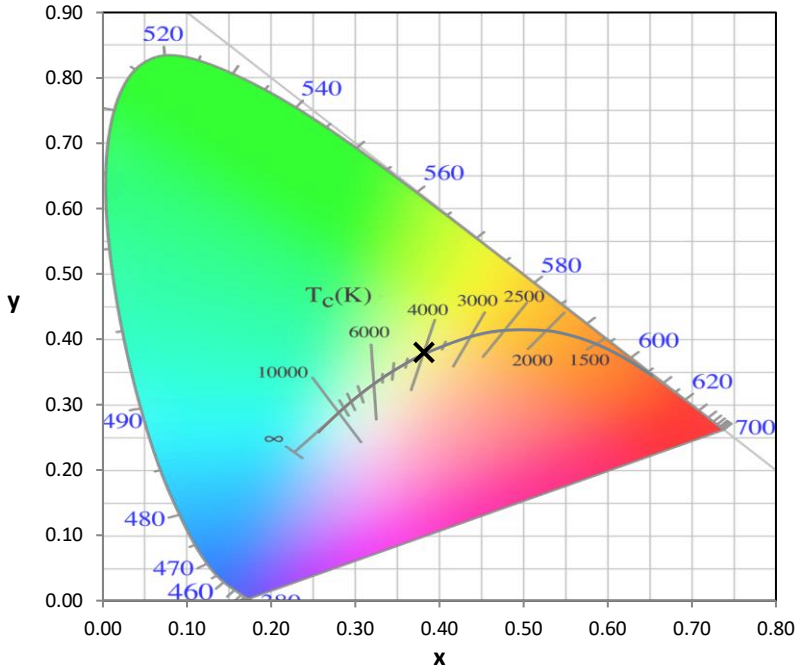
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

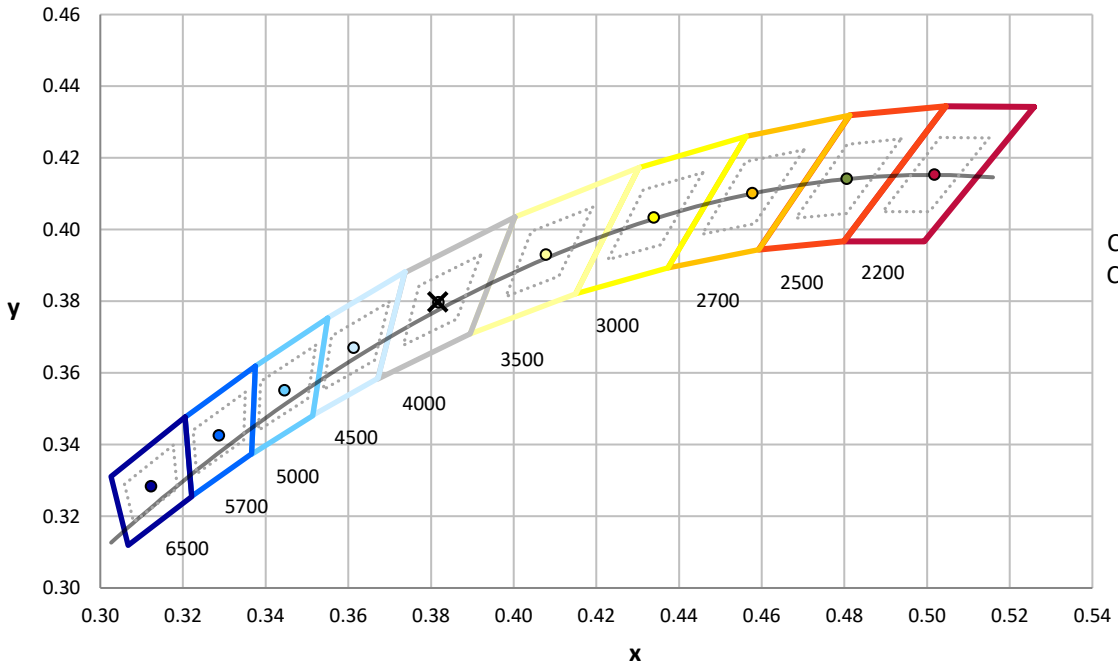
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

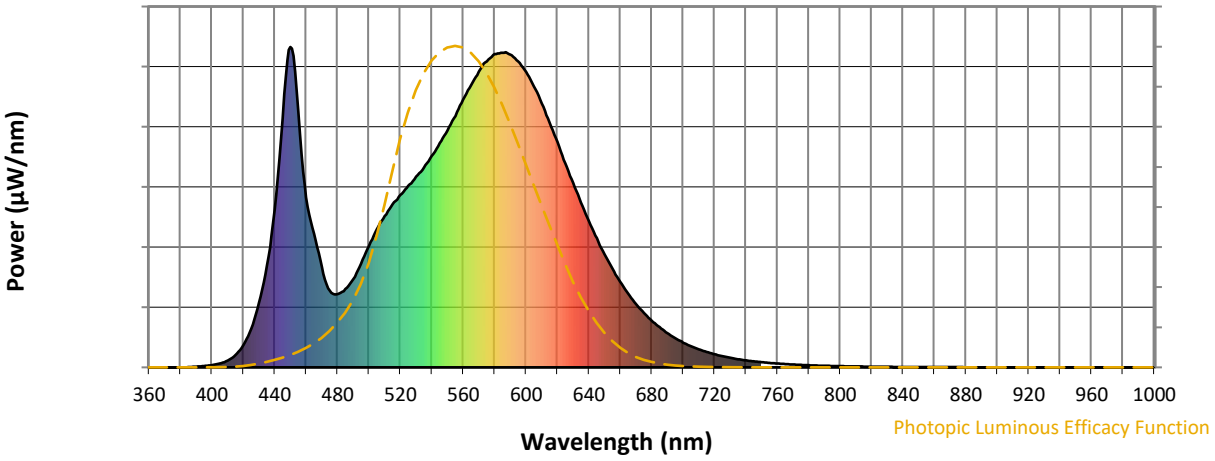


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

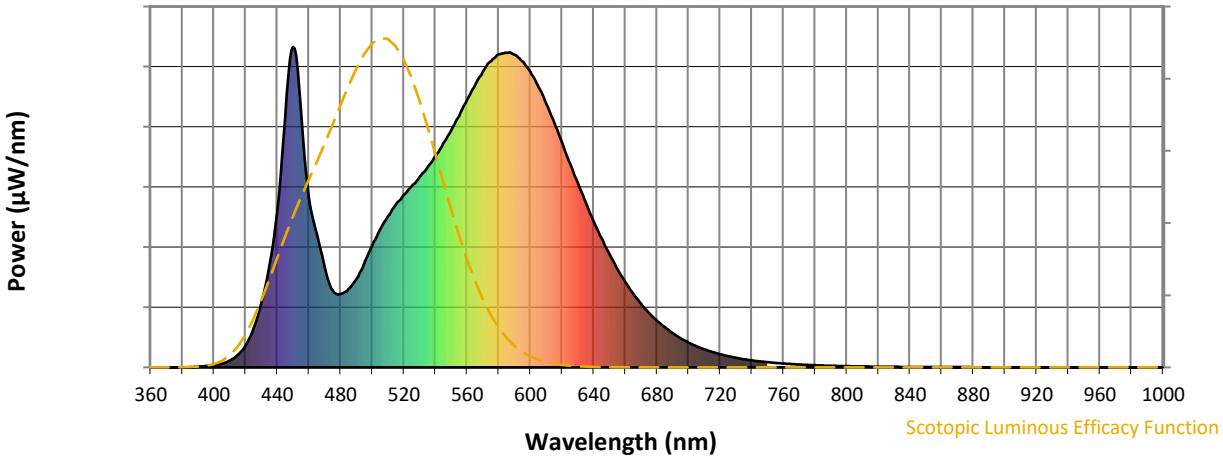


Photopic Lumens: NR

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

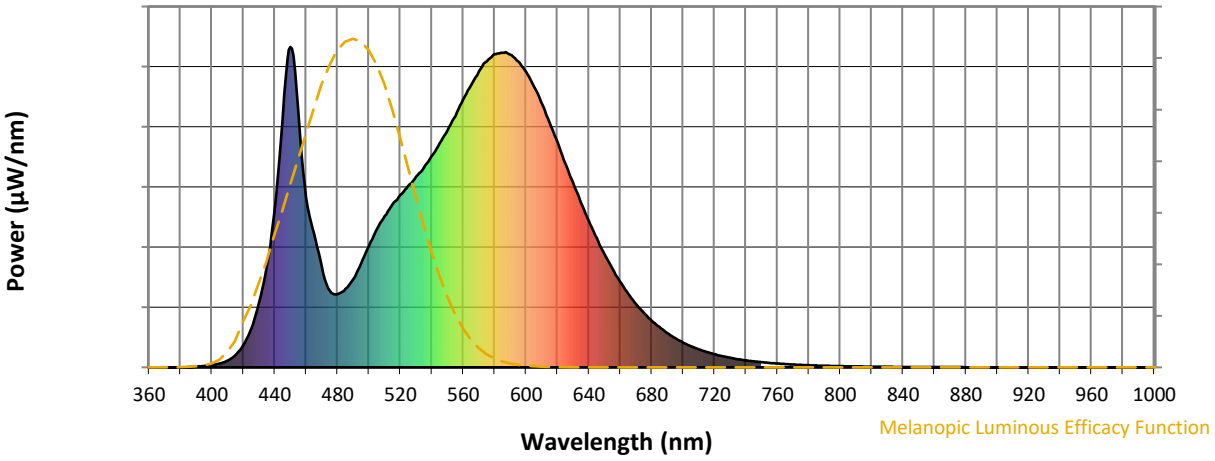


Scotopic Lumens: NR **S/P: 1.59**

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			

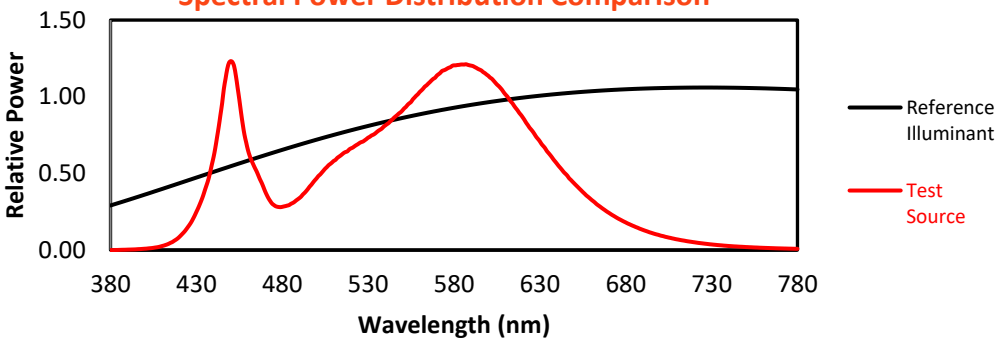
REPORT NUMBER: SP1-2501-332-1

TM-30-18

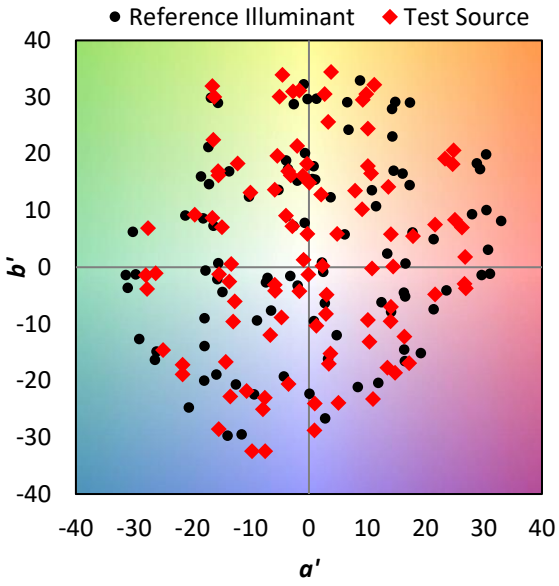
Summary

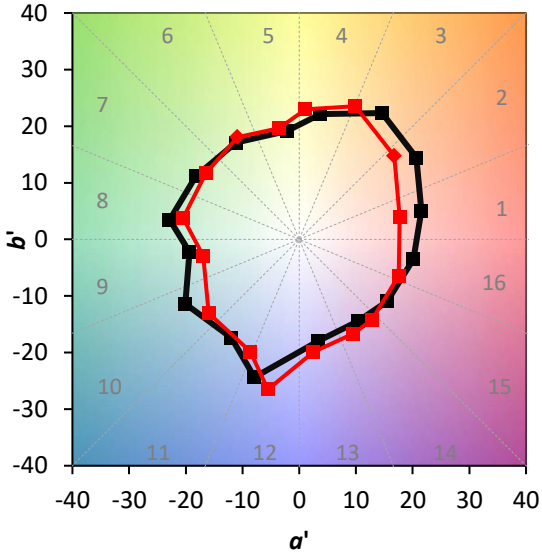
R_f = 77.5
R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

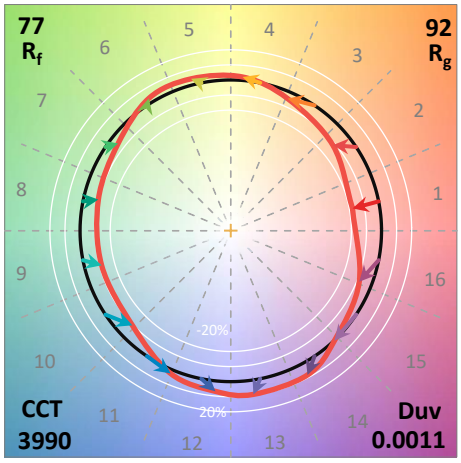
Spectral Power Distribution Comparison

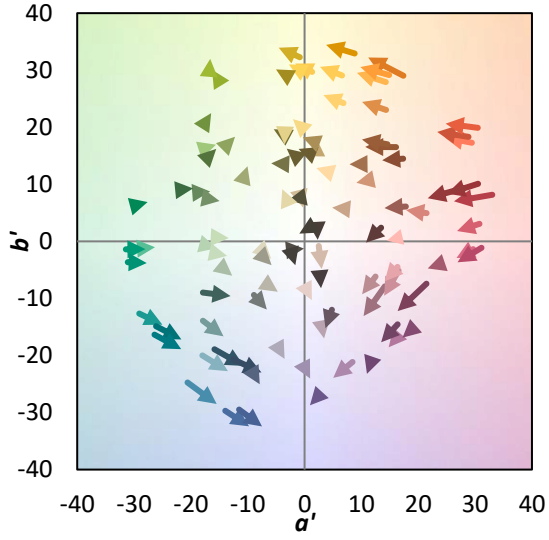


Color Vector Graphics







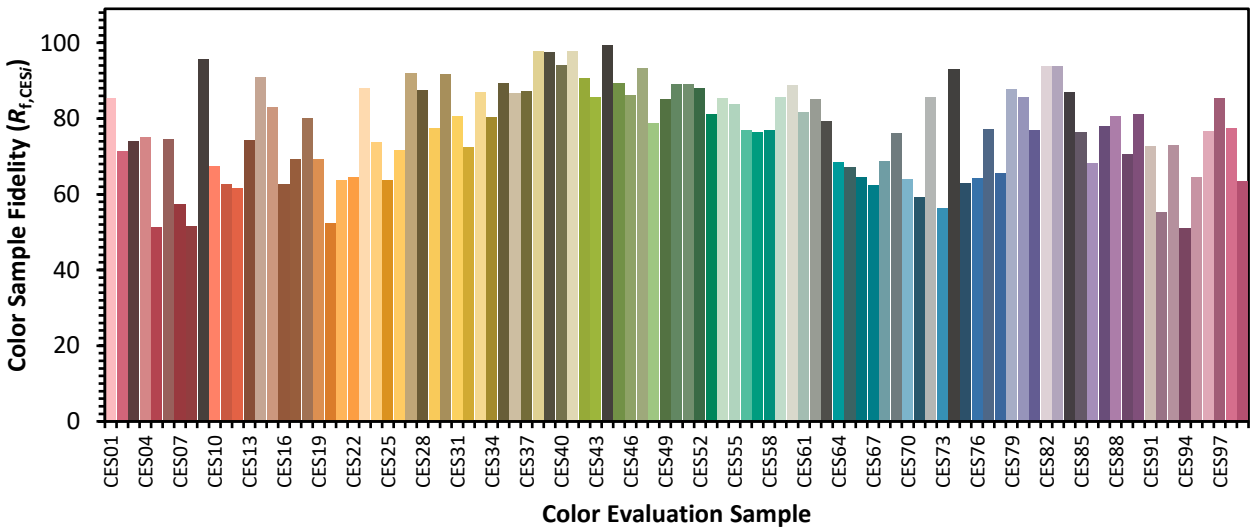


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

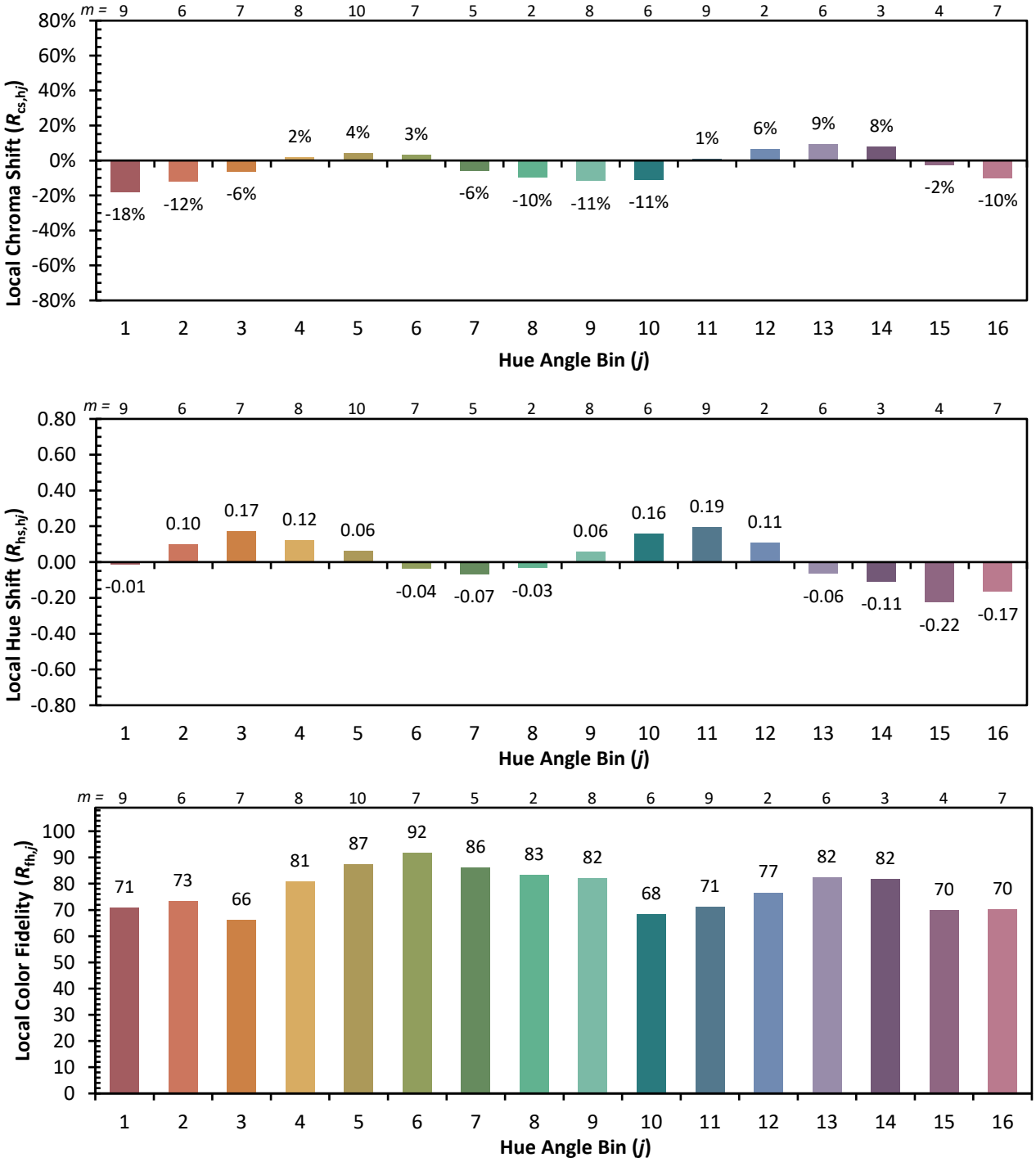
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57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



REPORT NUMBER: SP1-2501-332-1

TM-30-18

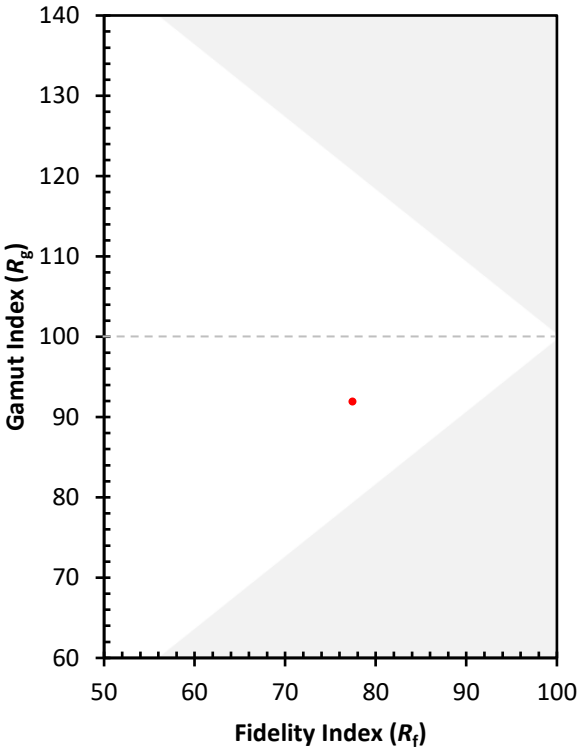
Color Rendition by Hue-Angle Bin

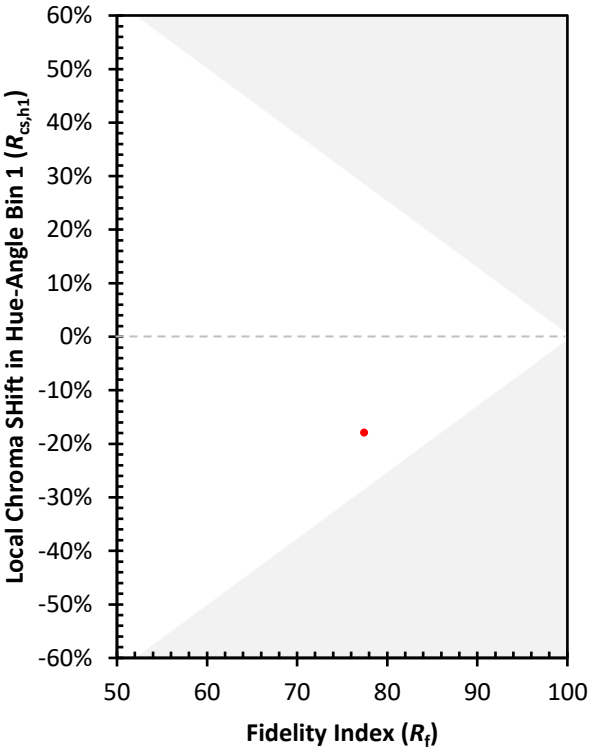


REPORT NUMBER: SP1-2501-332-1

TM-30-18

Measure Comparisons





(END OF REPORT)