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: P1224019

Luminaire Tested: **FFX-CLB-40-722-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224019
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-722-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4674 lumens
Efficiency:	N/A
Efficacy:	118.6 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):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

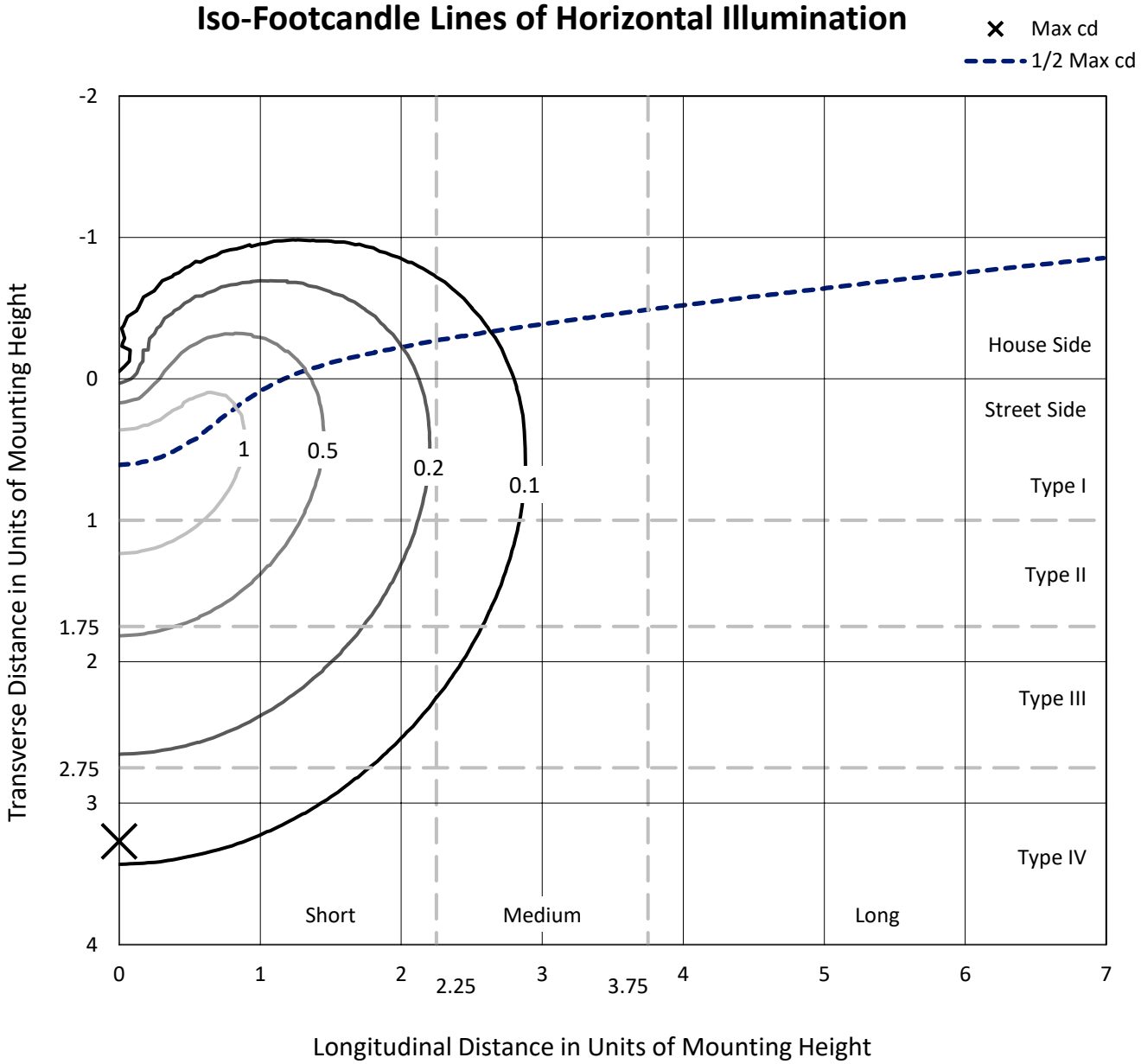


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Iso-Footcandle Lines of Horizontal Illumination



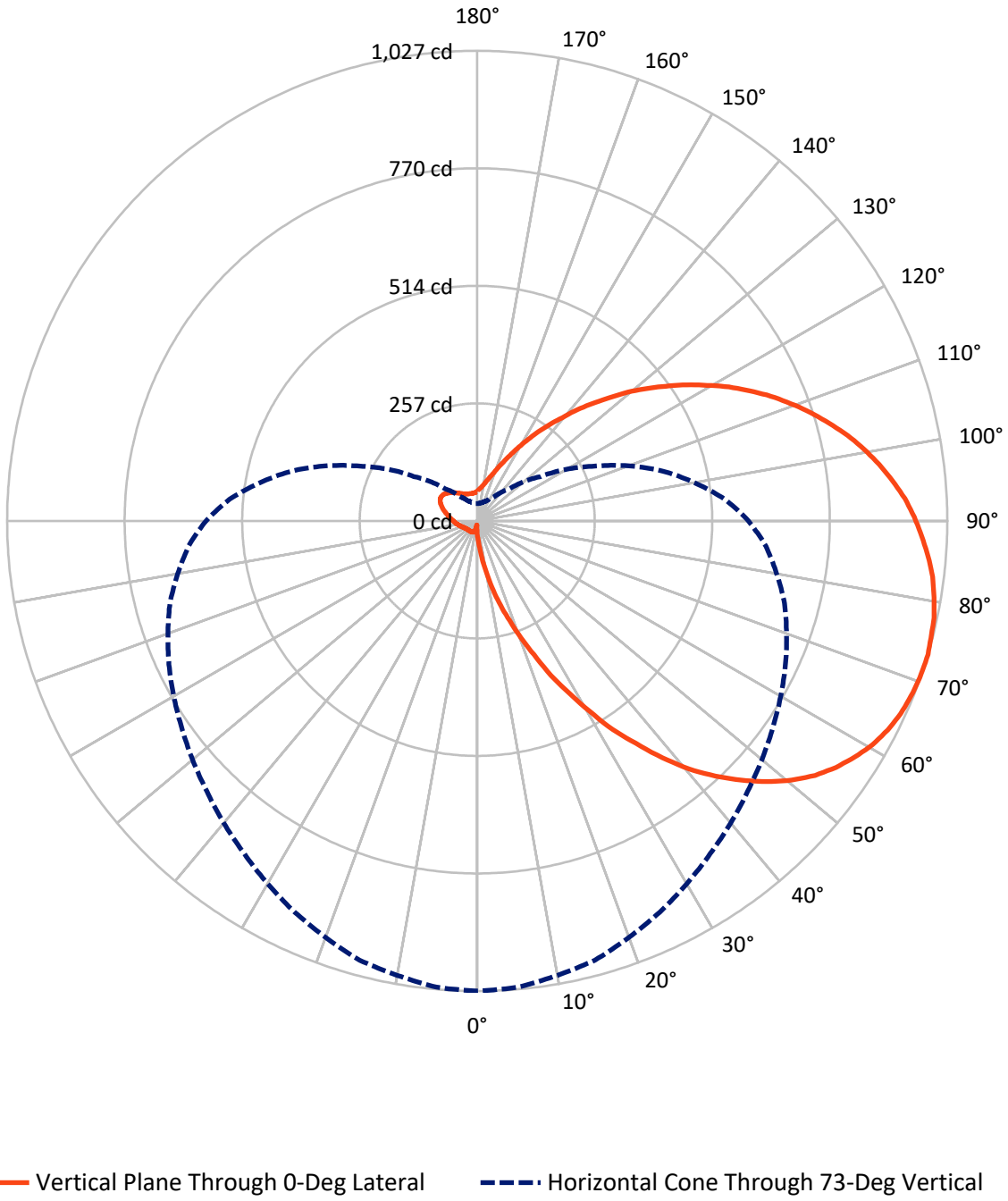
Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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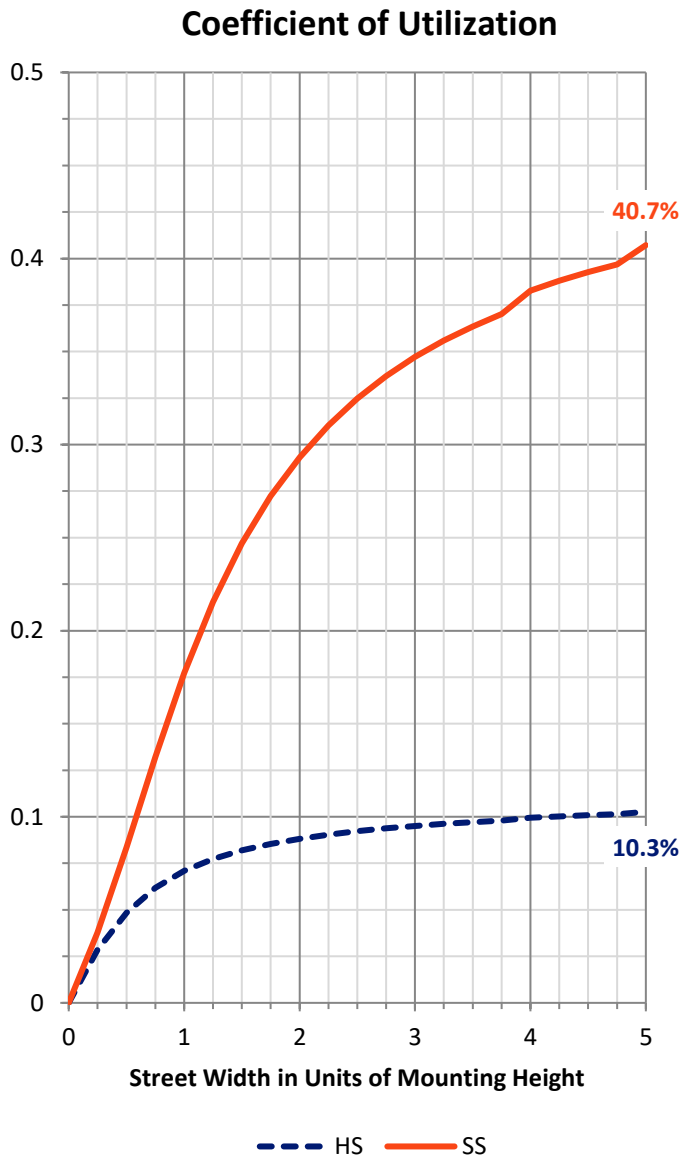
REPORT NUMBER: P1224019
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.7	508.7	1026.4
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	2182.8	1464.8	3647.6
	% Fixture	46.7	31.3	78.0
Total	Lumens	2700.5	1973.5	4674.0
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	33.1	0.7
20°-30°	100.1	2.1
30°-40°	208.4	4.5
40°-50°	330.3	7.1
50°-60°	433.9	9.3
60°-70°	505.6	10.8
70°-80°	541.9	11.6
80°-90°	542.3	11.6
90°-100°	508.6	10.9
100°-110°	447.4	9.6
110°-120°	369.4	7.9
120°-130°	278.1	5.9
130°-140°	183.5	3.9
140°-150°	105.2	2.3
150°-160°	52.2	1.1
160°-170°	22.8	0.5
170°-180°	6.4	0.1
0°-90°	2700.5	57.8
0°-180°	4674.0	100.0



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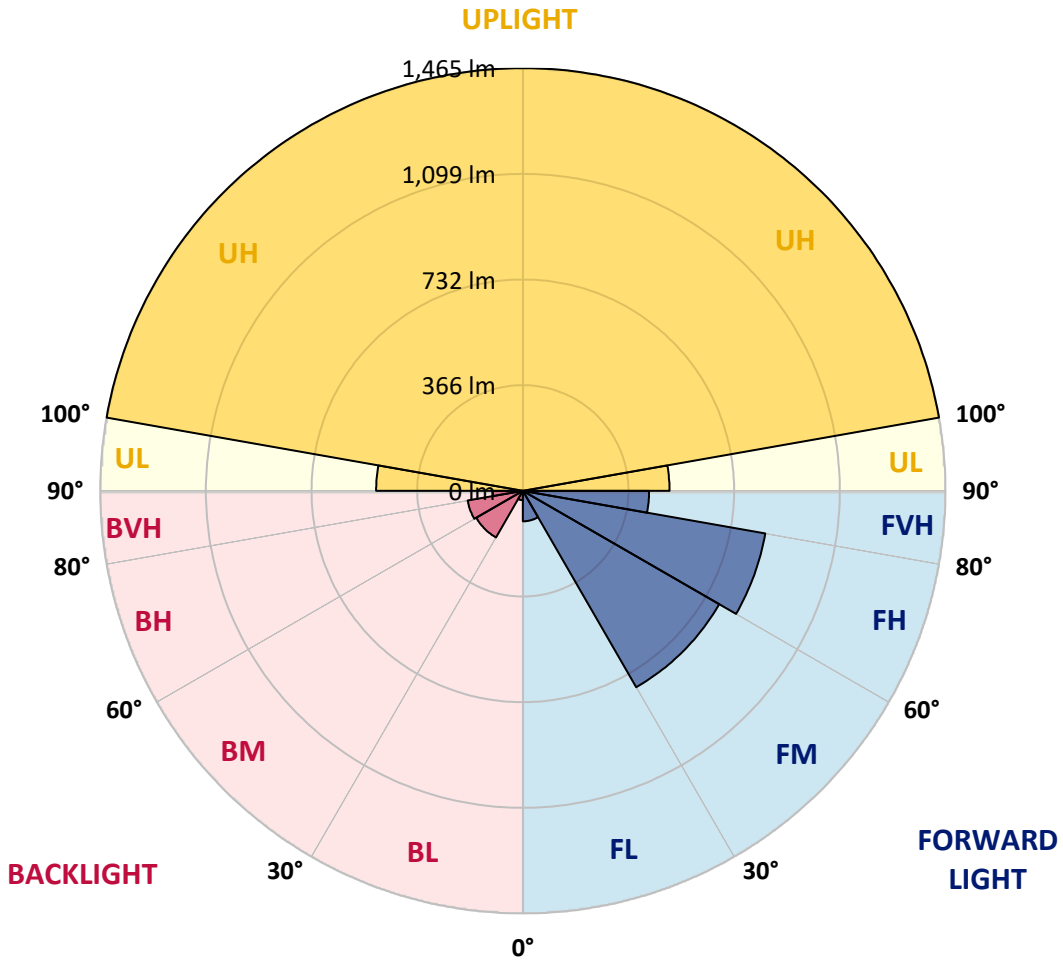
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	105.7	2.3			
FM	(30°-60°)	786.1	16.8			
FH	(60°-80°)	853.3	18.3			G1/1800
FVH	(80°-90°)	437.6	9.4			G3/500
BL	(0°-30°)	32.3	0.7	B0/110		
BM	(30°-60°)	186.5	4.0	B0/220		
BH	(60°-80°)	194.2	4.2	B1/500		G1/500
BVH	(80°-90°)	104.7	2.2			G2/225
UL	(90°-100°)	508.6	10.9		U4/1000	
UH	(100°-180°)	1465.0	31.3		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°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	42.2	42.5	42.2	42.8	41.2	41.2	39.9	38.7	37.1	35.1	33.9
5°	62.6	62.3	62.3	62.6	61.7	58.8	55.6	51.1	47.3	43.1	40.9
7.5°	90.1	88.8	87.5	87.2	84.0	79.9	75.4	70.3	64.8	59.1	54.9
10°	118.8	119.8	118.5	115.0	111.2	106.4	100.6	93.6	86.6	78.6	73.8
12.5°	155.9	153.3	150.1	146.6	142.8	138.3	129.1	121.1	111.2	101.3	94.9
15°	192.0	189.8	189.8	185.3	179.2	172.5	163.9	154.0	140.2	124.6	118.8
17.5°	229.0	229.4	226.2	221.1	215.6	207.0	197.7	183.7	169.6	153.3	143.4
20°	272.5	271.2	269.0	265.1	255.6	247.9	236.4	220.7	201.6	181.8	169.6
22.5°	317.5	318.2	318.2	312.1	303.2	292.6	279.5	261.6	239.0	213.4	198.7
25°	373.8	373.4	367.4	360.3	353.3	342.5	325.8	304.1	279.2	248.5	231.3
27.5°	424.9	424.6	423.3	416.9	406.3	392.3	372.8	349.2	320.7	284.0	263.5
30°	481.7	483.0	479.5	474.1	460.3	446.0	423.3	395.5	361.9	322.3	299.3
32.5°	543.4	540.8	538.0	530.9	515.9	495.8	470.2	441.5	404.7	359.4	334.1
35°	596.7	601.5	597.1	586.2	567.7	546.3	518.2	485.9	446.0	397.4	368.6
37.5°	656.8	655.8	649.1	638.6	620.7	593.5	563.8	526.5	481.7	431.3	399.3
40°	712.7	708.9	705.0	689.4	666.7	639.5	602.8	564.8	518.8	461.9	429.7
42.5°	762.2	761.9	751.7	736.0	707.6	677.6	639.5	597.1	549.1	490.4	453.9
45°	807.9	806.9	797.0	773.7	746.9	710.8	671.2	627.1	576.6	514.6	479.8
47.5°	851.0	848.5	834.7	811.1	777.2	739.2	698.3	652.0	599.9	536.4	499.9
50°	890.3	888.1	872.1	842.1	806.0	765.4	720.7	672.8	622.0	558.1	518.8
52.5°	923.9	920.0	901.5	869.2	828.0	785.2	738.6	690.7	639.2	573.4	535.4
55°	950.7	946.5	926.7	890.6	847.5	801.2	753.9	706.3	652.6	587.2	548.2
57.5°	973.1	969.9	948.1	908.5	862.5	814.9	767.0	718.4	665.1	599.9	559.4
60°	992.5	988.7	964.1	923.2	874.7	825.5	776.6	728.0	675.6	609.8	569.6
62.5°	1006.3	1003.4	977.5	933.8	883.3	833.5	783.0	736.0	683.6	618.8	577.3
65°	1016.2	1012.7	986.5	940.1	888.7	837.3	787.8	739.5	688.7	624.2	583.0
67.5°	1021.9	1019.4	991.9	944.6	891.0	839.2	790.0	743.0	692.9	628.7	587.5
70°	1025.8	1021.9	994.1	945.6	890.3	838.9	790.0	743.4	695.1	631.9	590.0
72.5°	1026.7	1022.6	993.8	944.0	888.4	835.7	788.4	743.7	695.8	633.5	592.6
73°	1027.0	1022.6	993.5	943.3	887.4	835.4	788.1	743.0	695.1	633.2	592.6
75°	1023.5	1020.7	990.9	939.5	884.2	832.2	785.9	741.4	695.1	633.5	592.3
77.5°	1020.0	1015.5	984.6	934.1	876.9	826.4	781.1	738.3	692.9	632.8	591.9
80°	1011.7	1007.2	976.2	923.9	867.6	818.1	774.4	733.1	688.7	629.3	589.4
82.5°	1002.1	997.0	964.7	912.0	856.5	807.6	765.7	726.4	683.3	625.2	585.6
85°	988.1	984.2	951.3	897.7	843.7	796.7	755.8	718.4	676.3	618.8	579.8
87.5°	971.8	968.6	934.4	881.4	827.4	782.7	744.3	707.9	668.3	611.8	573.4
90°	954.8	951.0	916.8	862.8	811.4	767.3	730.9	696.7	658.4	603.1	565.1
92.5°	935.4	930.9	896.4	844.0	793.8	751.7	717.8	684.3	647.2	593.2	556.5
95°	911.7	907.6	873.4	821.0	771.8	733.5	700.6	669.6	634.1	581.4	545.9
97.5°	886.5	882.6	848.1	798.0	750.4	712.7	682.0	653.9	620.1	569.9	534.1
100°	859.3	854.2	820.0	771.8	724.8	690.7	663.2	637.9	604.7	555.5	521.3
102.5°	830.6	825.8	793.2	745.9	701.8	668.6	643.7	619.1	588.8	542.4	508.9
105°	798.0	795.4	762.5	716.9	675.6	645.0	621.7	600.3	571.5	526.5	495.8
107.5°	765.7	760.6	729.9	686.2	647.5	619.7	599.6	579.8	553.6	510.5	481.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*731.5*	726.4	699.0	657.1	621.3	594.8	576.3	558.7	535.1	494.8	467.4
112.5°	*697.0*	691.3	664.1	625.8	591.0	569.3	552.3	537.6	516.2	479.2	452.0
115°	*659.7*	657.4	630.9	594.2	563.5	543.1	528.4	515.0	494.8	462.2	437.3
117.5°	*622.9*	618.8	595.8	561.9	533.5	514.3	503.1	491.3	473.1	442.4	420.7
120°	*583.3*	582.4	560.3	528.7	502.2	487.2	476.3	466.4	450.4	422.6	402.2
122.5°	*545.9*	544.0	522.9	494.5	472.5	458.4	449.8	441.2	427.4	401.6	382.4
125°	*506.3*	504.1	487.5	464.2	443.1	429.7	421.4	414.6	402.2	378.9	361.0
127.5°	*469.6*	467.4	452.3	430.0	413.4	401.2	393.6	387.5	375.0	354.9	339.3
130°	*433.2*	429.3	416.2	398.4	381.7	373.4	365.8	361.3	348.5	329.7	315.9
132.5°	*394.2*	392.3	383.0	366.4	353.0	344.4	337.7	331.9	322.0	304.8	292.3
135°	*359.7*	357.8	349.2	335.1	325.8	317.9	311.8	305.7	295.5	278.9	268.3
137.5°	*326.8*	325.2	317.5	308.0	296.1	291.3	287.2	279.8	270.9	255.9	246.3
140°	*292.3*	292.9	286.9	278.2	270.9	265.1	261.0	254.9	246.0	233.2	223.6
142.5°	*263.9*	264.8	257.5	251.4	244.7	240.2	236.1	231.0	222.3	210.8	203.5
145°	*237.0*	234.8	231.9	226.2	219.8	216.9	212.8	208.3	201.6	190.1	184.0
147.5°	*209.9*	209.2	206.4	202.5	197.4	192.9	189.8	187.2	180.5	170.9	165.5
150°	*185.3*	184.6	183.0	180.2	175.7	172.8	170.3	166.8	160.4	153.0	148.2
152.5°	*163.6*	163.6	162.6	158.8	156.9	153.7	150.5	148.5	142.2	136.1	131.9
155°	*144.7*	144.7	143.4	141.5	138.0	136.1	134.2	131.3	126.8	122.0	118.2
157.5°	*128.4*	128.7	127.1	125.5	123.0	121.4	119.5	116.6	113.7	109.3	106.4
160°	*114.0*	114.4	113.7	112.4	109.9	108.3	106.7	104.5	101.9	98.4	95.8
162.5°	*102.5*	102.2	101.6	100.3	98.7	97.8	95.8	94.2	92.0	89.4	87.2
165°	*93.6*	92.6	92.3	91.4	89.8	88.8	87.2	85.9	84.3	81.8	80.8
167.5°	*85.6*	85.6	85.0	84.3	83.1	81.8	80.5	79.5	78.3	76.7	75.4
170°	*79.2*	79.2	78.6	77.9	76.7	76.0	75.1	74.1	73.2	71.9	71.2
172.5°	*74.1*	74.1	73.8	72.8	72.2	71.2	70.9	70.0	69.0	68.4	67.7
175°	*70.3*	70.3	69.6	69.0	68.4	67.7	67.1	66.8	66.4	65.8	65.5
177.5°	*67.4*	67.1	66.8	66.1	65.5	65.2	64.8	64.5	64.5	64.2	63.9
180°	*63.6*	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	32.6	29.7	26.5	23.6	22.0	19.8	18.5	17.9	18.5	17.6
5°	38.7	33.5	28.4	24.6	20.4	17.3	14.4	11.5	9.6	9.3
7.5°	51.4	45.7	38.7	32.3	26.5	21.4	16.9	13.4	10.9	10.5
10°	68.0	59.4	50.5	41.5	33.2	26.5	21.1	17.3	16.0	15.7
12.5°	88.8	76.3	63.9	52.1	41.8	32.9	26.8	22.7	20.8	20.4
15°	110.5	94.9	78.9	63.6	49.8	39.0	31.3	26.8	24.6	24.3
17.5°	133.9	113.4	91.7	73.8	57.5	44.4	34.8	28.8	26.2	25.6
20°	157.5	131.9	107.0	83.7	63.9	47.9	36.7	29.7	26.5	25.9
22.5°	184.0	153.3	122.4	93.3	69.6	51.4	38.3	30.3	26.8	26.2
25°	214.0	175.1	138.3	104.5	76.0	54.6	39.9	31.3	27.2	26.5
27.5°	244.7	199.3	154.6	114.4	81.5	56.9	41.2	31.6	27.5	26.8
30°	275.7	223.6	171.2	123.9	86.3	59.4	41.8	31.9	27.5	27.2
32.5°	308.0	246.3	187.2	132.9	90.4	61.0	42.5	32.3	27.8	27.2
35°	337.0	270.3	202.2	141.5	94.2	62.3	42.8	32.3	27.8	27.2
37.5°	364.8	290.7	215.9	148.5	97.1	63.3	43.1	32.3	27.8	27.2
40°	393.9	312.4	228.4	154.9	99.3	63.9	43.1	32.3	27.8	27.5
42.5°	417.5	330.6	239.0	159.4	100.9	63.9	43.1	32.3	28.1	27.5
45°	438.9	345.6	249.2	163.6	101.9	63.9	42.8	32.6	28.1	27.8
47.5°	457.5	360.7	256.8	166.4	102.2	63.9	42.8	32.6	28.4	28.1
50°	474.7	372.8	263.5	168.7	102.5	63.6	42.8	32.9	28.8	28.1
52.5°	489.4	382.7	269.0	169.9	101.9	62.9	42.8	33.2	29.4	28.8
55°	501.9	392.0	272.8	170.6	101.3	62.6	42.8	33.5	29.7	29.4
57.5°	512.1	399.3	276.3	170.9	100.6	62.3	43.1	34.2	30.7	30.3
60°	521.3	405.4	278.9	170.9	100.0	62.0	43.4	34.8	31.3	31.0
62.5°	528.7	410.2	280.8	170.6	99.7	62.0	44.1	35.8	32.3	31.9
65°	533.8	413.7	281.8	169.9	99.0	62.3	44.7	36.7	33.5	33.2
67.5°	538.6	416.9	282.4	169.6	98.7	62.6	45.7	38.0	34.8	34.5
70°	541.5	418.8	282.7	169.3	98.4	63.3	46.6	39.3	36.4	36.1
72.5°	542.7	420.1	283.0	168.7	98.7	63.9	47.9	40.6	38.0	37.7
73°	*543.1*	*420.1*	*282.7*	*168.7*	*98.7*	*64.2*	*48.2*	*41.2*	*38.3*	*38.0*
75°	543.7	420.1	282.4	168.4	99.0	64.8	49.2	42.5	39.6	39.6
77.5°	542.7	419.4	281.8	168.0	99.3	66.1	50.8	44.1	41.5	41.2
80°	540.8	417.8	280.8	168.0	100.0	67.4	52.7	46.0	43.4	43.1
82.5°	536.7	415.0	279.5	167.7	100.9	69.0	54.6	47.9	45.7	45.4
85°	532.5	411.5	277.6	167.7	102.2	70.9	56.5	50.2	47.9	47.6
87.5°	526.1	407.3	275.7	167.4	103.5	72.5	58.5	52.4	49.8	49.8
90°	518.8	402.8	273.8	167.7	104.8	74.8	61.0	54.9	52.4	52.1
92.5°	511.4	397.7	271.5	168.4	107.0	77.0	63.6	57.5	54.9	54.3
95°	501.5	390.7	269.0	168.7	108.9	79.5	66.1	60.1	57.5	57.5
97.5°	491.3	384.3	266.1	169.6	111.5	82.7	69.6	63.3	60.7	60.7
100°	480.5	377.6	264.2	170.6	114.0	86.3	72.8	66.4	63.9	63.9
102.5°	469.0	370.2	262.3	172.5	117.9	89.8	76.7	70.3	67.4	67.4
105°	457.1	363.2	260.4	174.7	121.7	94.2	80.8	74.4	71.6	71.6
107.5°	445.6	356.5	258.8	177.6	125.9	98.7	85.0	78.6	75.7	75.1

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

Scaled Data Report

REPORT NUMBER: P1224019
CATALOG NUMBER: FFX-CLB-40-722-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	433.5	349.5	257.5	180.5	130.7	103.8	90.1	82.7	79.5	79.5
112.5°	420.4	342.1	256.5	183.4	135.8	108.9	94.6	87.2	84.0	83.4
115°	406.7	334.8	254.6	186.6	140.2	114.0	99.3	91.0	87.5	87.2
117.5°	393.2	326.2	252.4	188.8	144.4	118.2	103.2	94.9	91.0	90.7
120°	377.6	316.6	248.5	189.4	147.6	121.4	106.4	97.4	93.6	93.0
122.5°	360.3	304.1	243.1	188.8	149.2	123.6	108.3	99.3	94.9	94.6
125°	340.9	290.4	236.1	186.6	149.5	124.6	108.9	99.7	95.5	94.9
127.5°	320.4	276.6	226.8	182.1	147.6	123.9	108.3	99.0	94.6	94.2
130°	299.3	260.4	215.9	176.3	144.4	121.7	106.7	97.4	93.0	92.6
132.5°	278.2	243.1	204.1	168.7	139.9	118.2	103.8	94.9	90.7	90.1
135°	255.6	226.2	192.0	160.7	133.9	114.4	100.3	91.7	87.5	87.2
137.5°	234.8	208.6	179.5	151.7	128.1	109.3	96.5	88.5	85.0	84.3
140°	214.4	191.7	166.1	142.2	120.8	104.1	92.0	85.0	81.5	81.1
142.5°	195.5	176.0	154.3	132.9	114.0	99.0	88.2	81.5	78.6	77.9
145°	176.0	159.7	141.8	123.3	106.7	93.6	84.0	77.9	75.4	74.8
147.5°	159.1	144.7	129.4	113.7	100.0	88.2	79.9	74.8	72.5	72.2
150°	143.1	131.0	117.6	104.8	92.6	83.1	76.0	71.6	69.6	69.3
152.5°	128.7	118.2	107.3	96.5	86.3	78.6	72.5	68.7	67.1	67.1
155°	115.3	106.7	98.1	89.1	81.1	74.8	70.0	66.8	65.5	65.2
157.5°	103.8	97.1	90.1	82.7	76.7	71.2	67.4	65.2	63.9	63.9
160°	93.9	88.8	83.1	77.6	72.8	68.4	65.5	63.6	62.6	62.6
162.5°	85.9	81.8	77.3	73.2	69.0	66.1	63.9	62.6	62.0	62.0
165°	79.2	76.3	73.2	69.6	66.8	64.5	62.9	62.0	61.7	61.7
167.5°	74.4	71.9	69.3	67.1	65.2	63.3	62.3	61.7	61.7	61.3
170°	70.3	68.7	66.4	64.8	63.3	62.3	61.7	61.3	61.3	61.0
172.5°	67.1	65.8	64.5	63.3	62.3	61.7	61.3	61.3	61.3	61.3
175°	65.2	64.2	63.3	62.6	62.0	61.3	61.3	61.7	61.7	61.7
177.5°	63.6	63.3	62.6	62.3	62.0	62.0	62.0	62.3	62.6	62.6
180°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

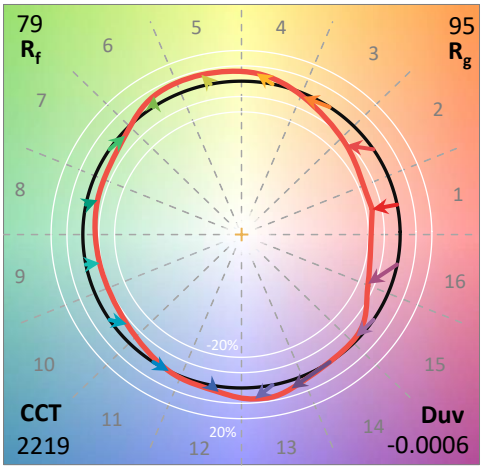
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

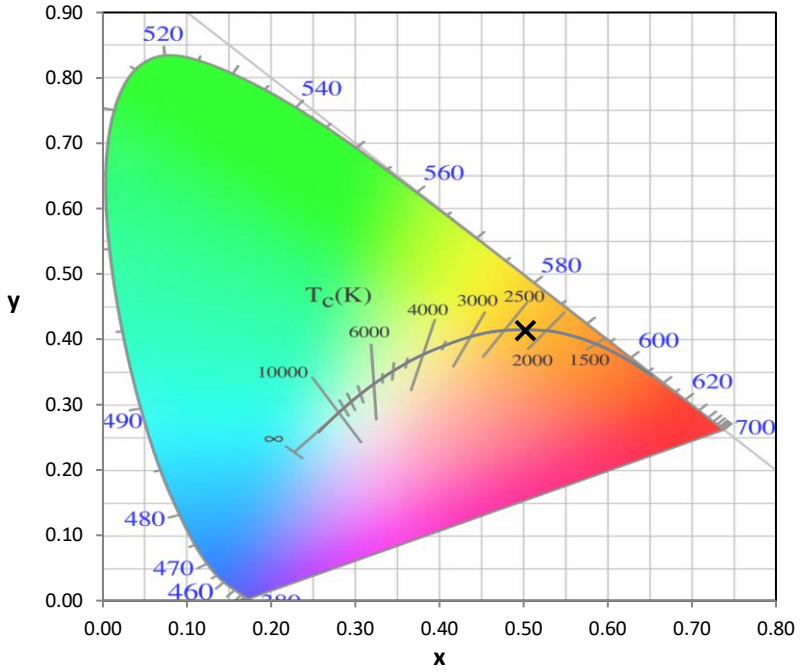
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

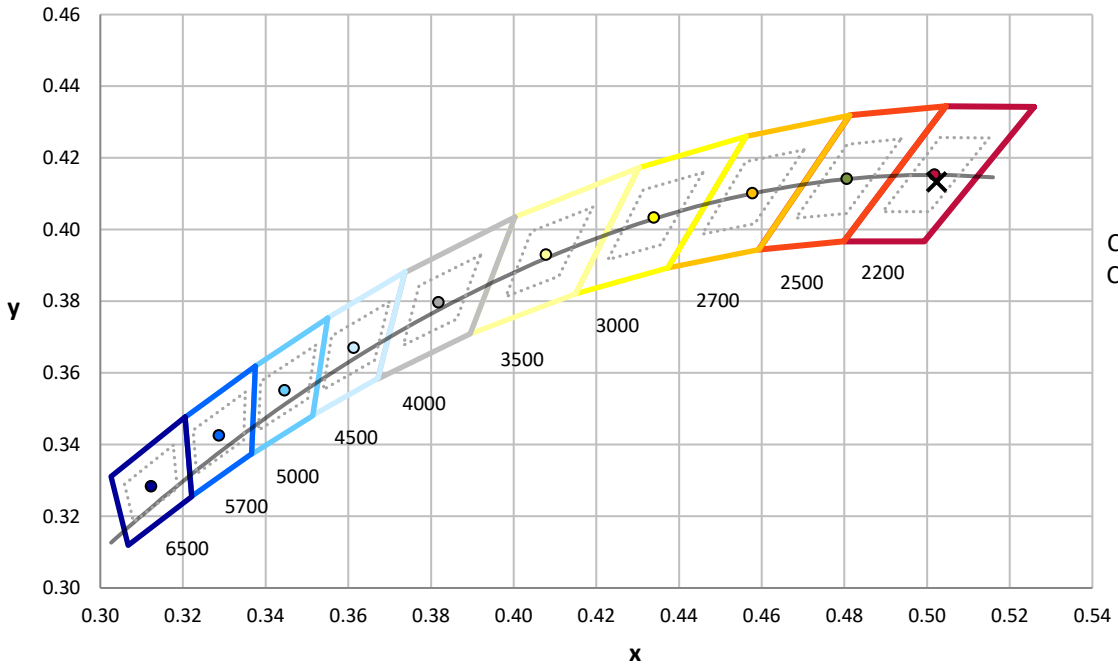
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

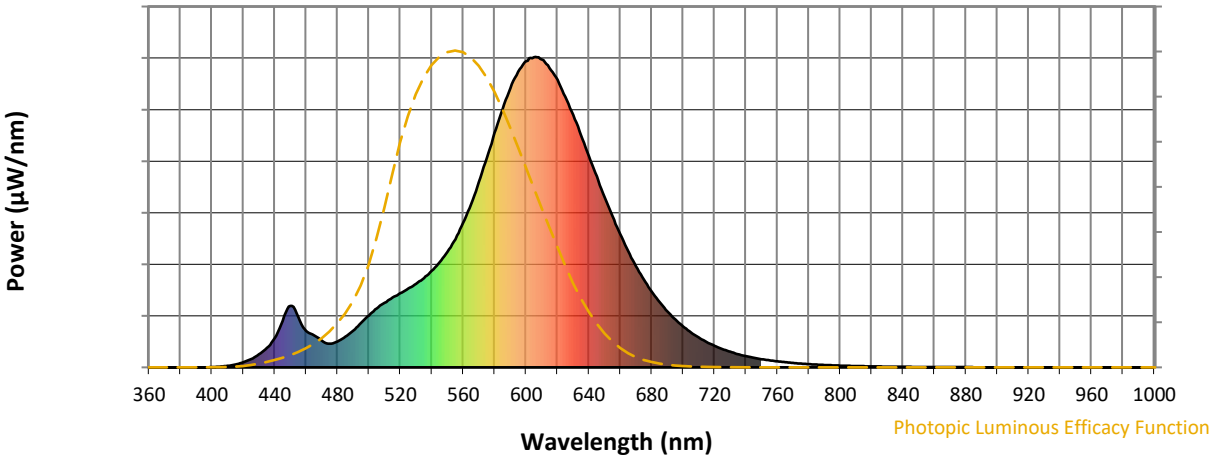


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

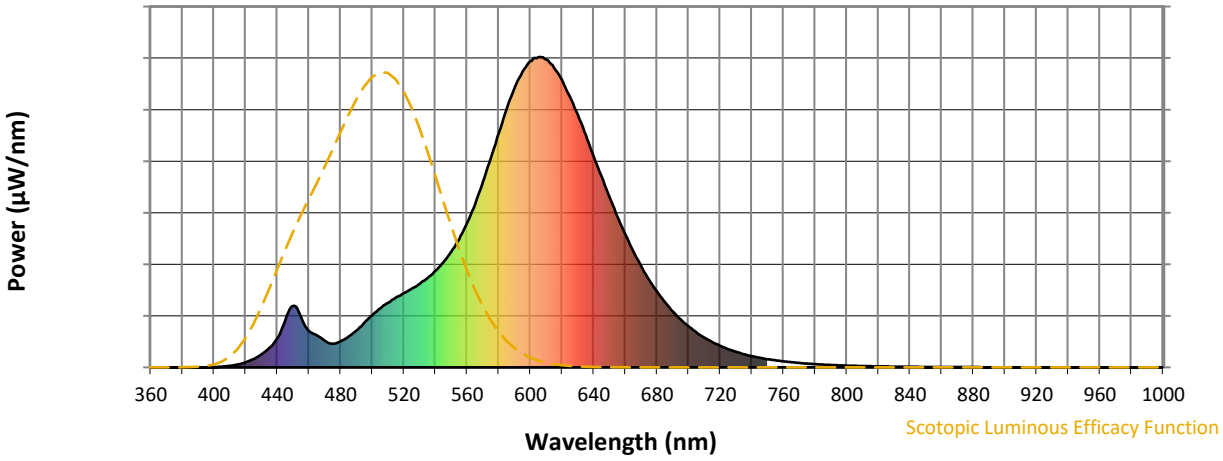


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

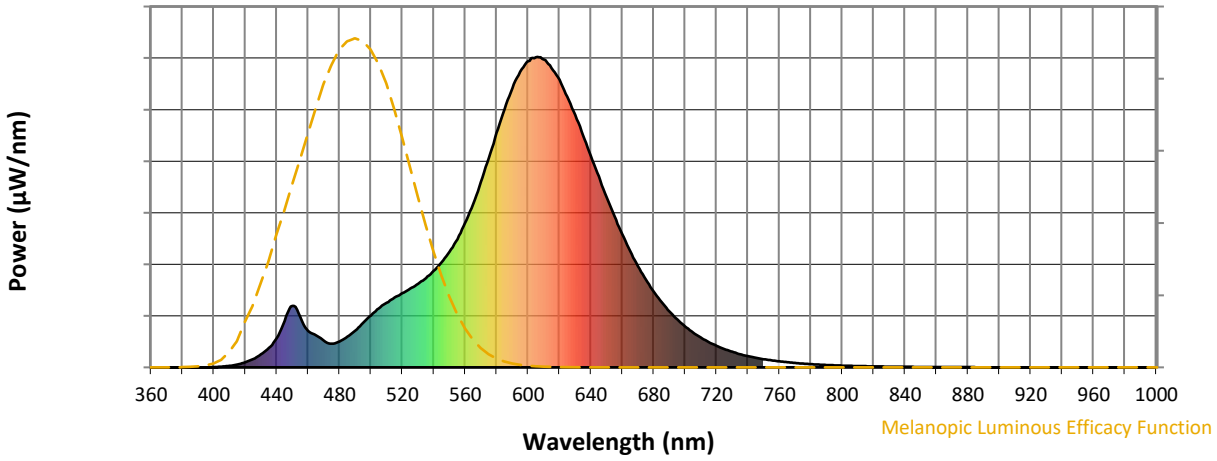


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

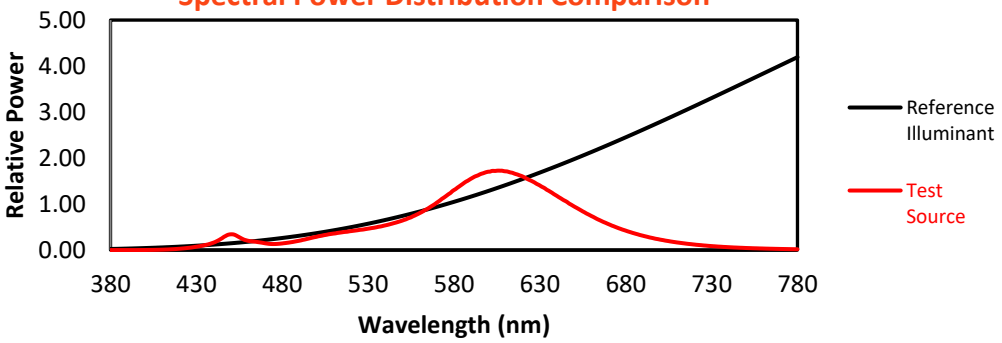
REPORT NUMBER: SP1-2501-332-2

TM-30-18

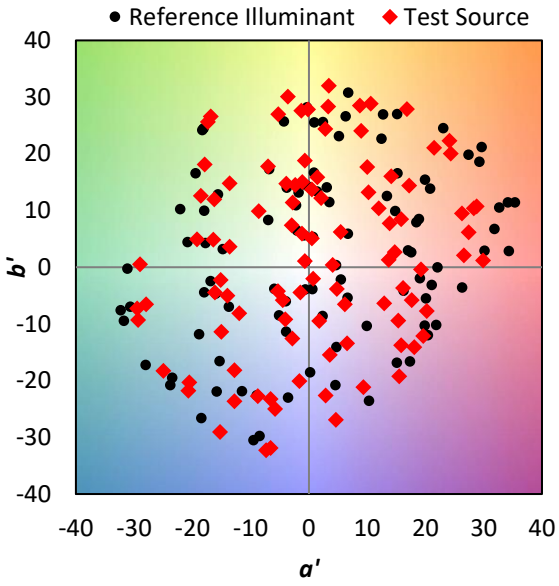
Summary

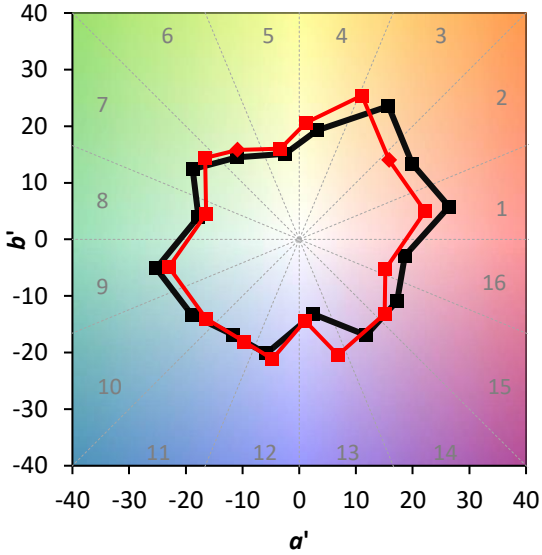
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

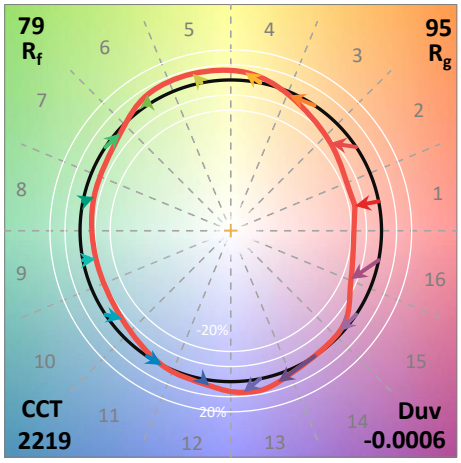
Spectral Power Distribution Comparison

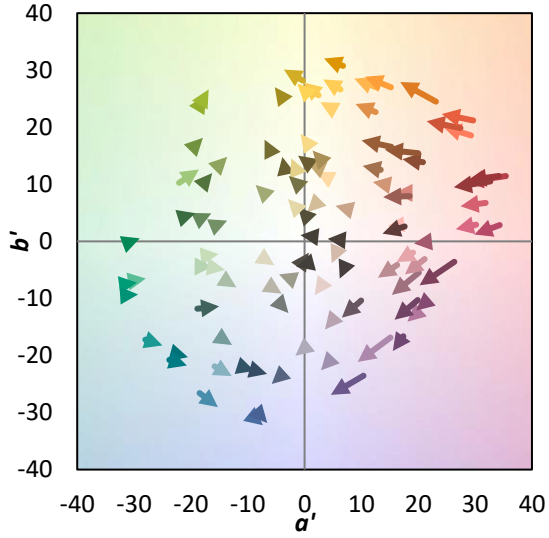


Color Vector Graphics







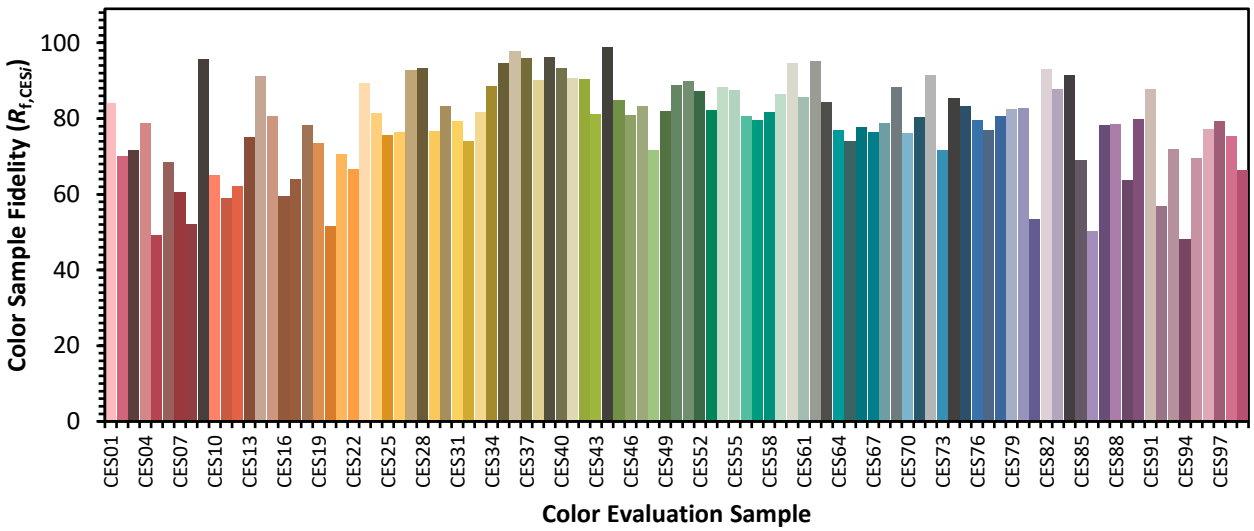


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

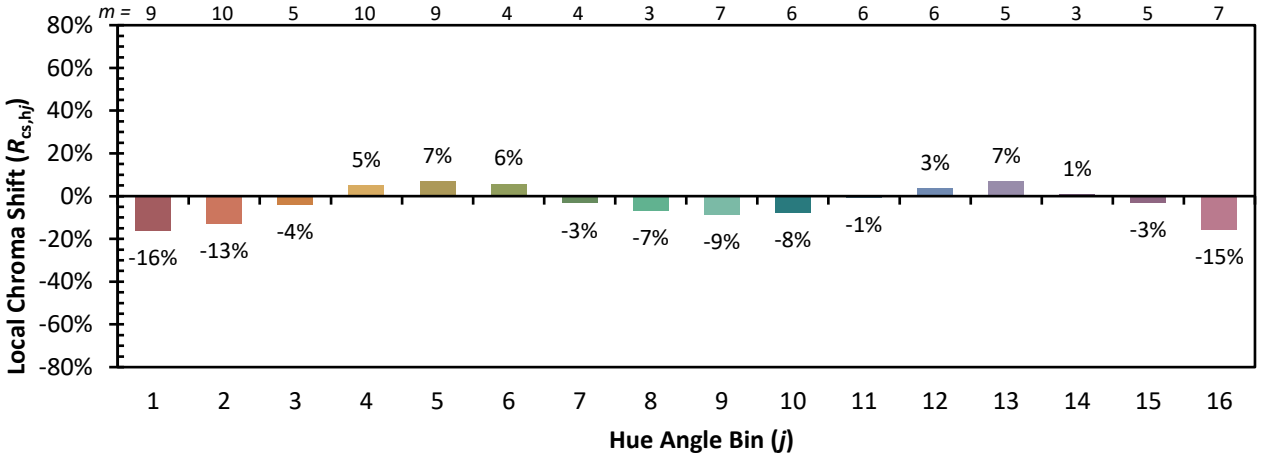
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

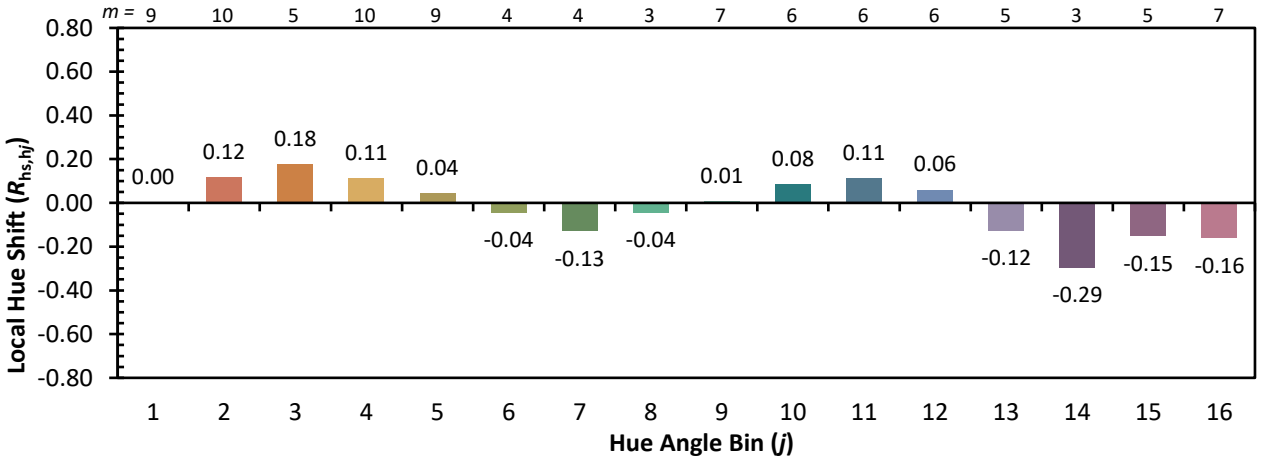


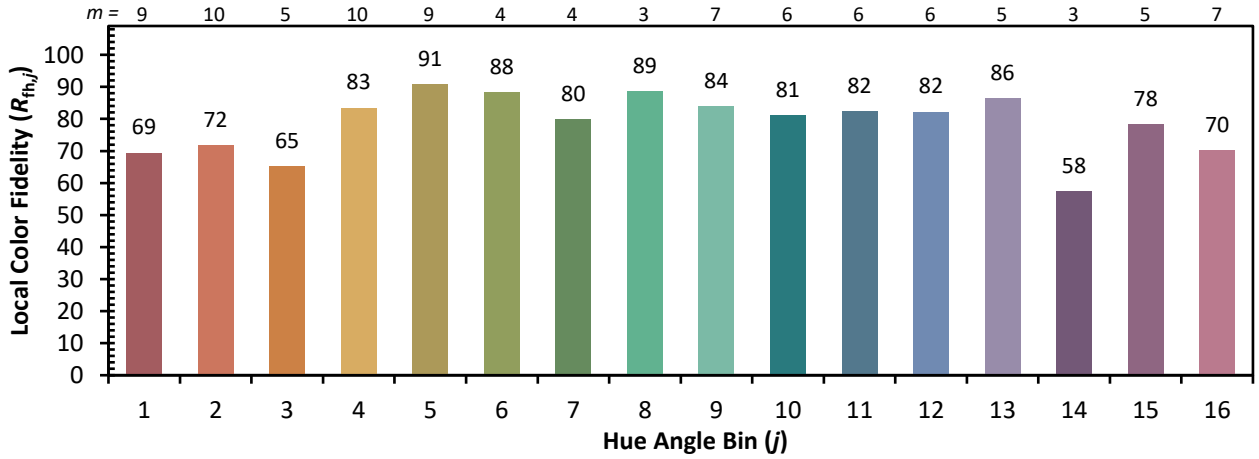
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



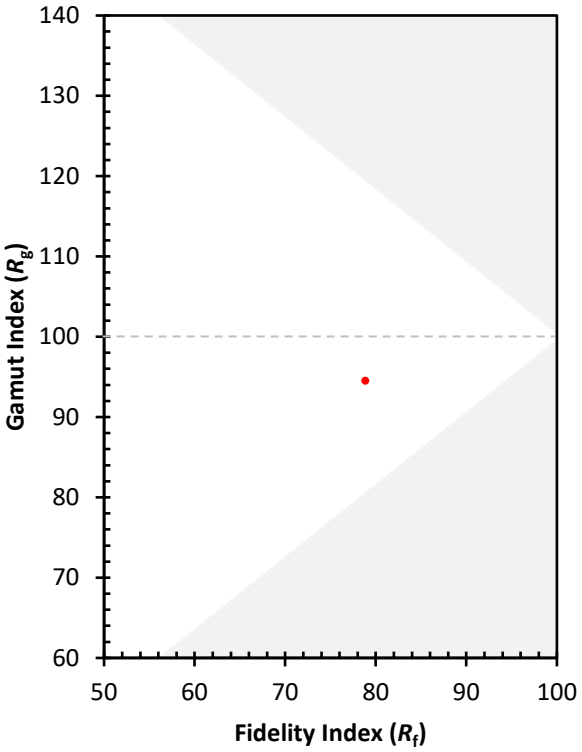


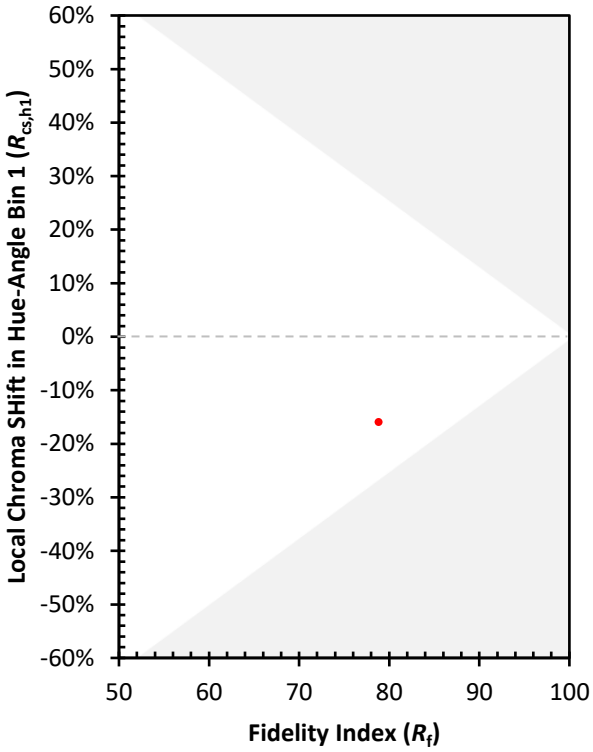


REPORT NUMBER: SP1-2501-332-2

TM-30-18

Measure Comparisons





(END OF REPORT)