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: P1223973

Luminaire Tested: **FFX-CLB-50-722-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223973
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-722-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6440.9 lumens
Efficiency:	N/A
Efficacy:	127.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

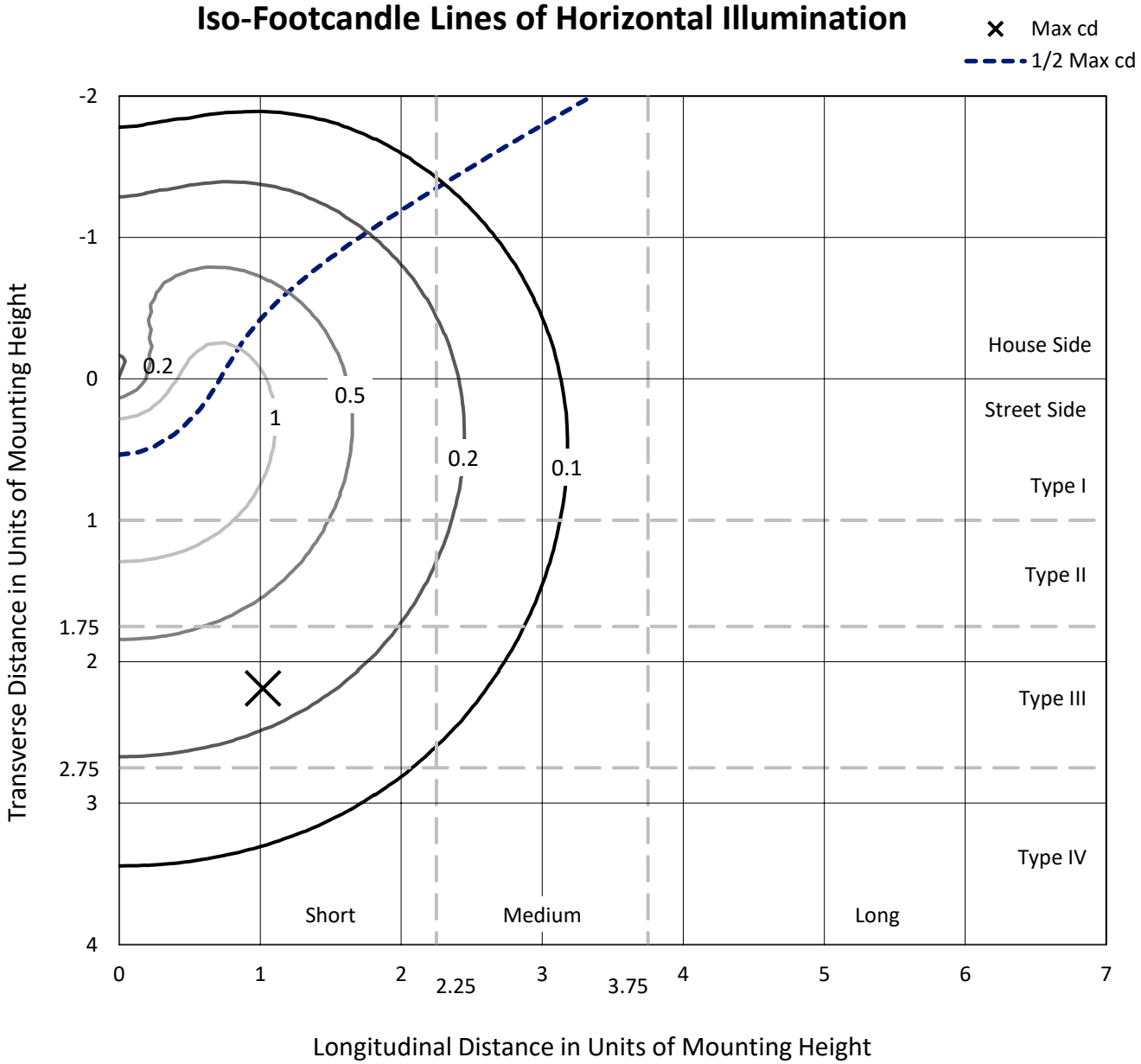


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Iso-Footcandle Lines of Horizontal Illumination



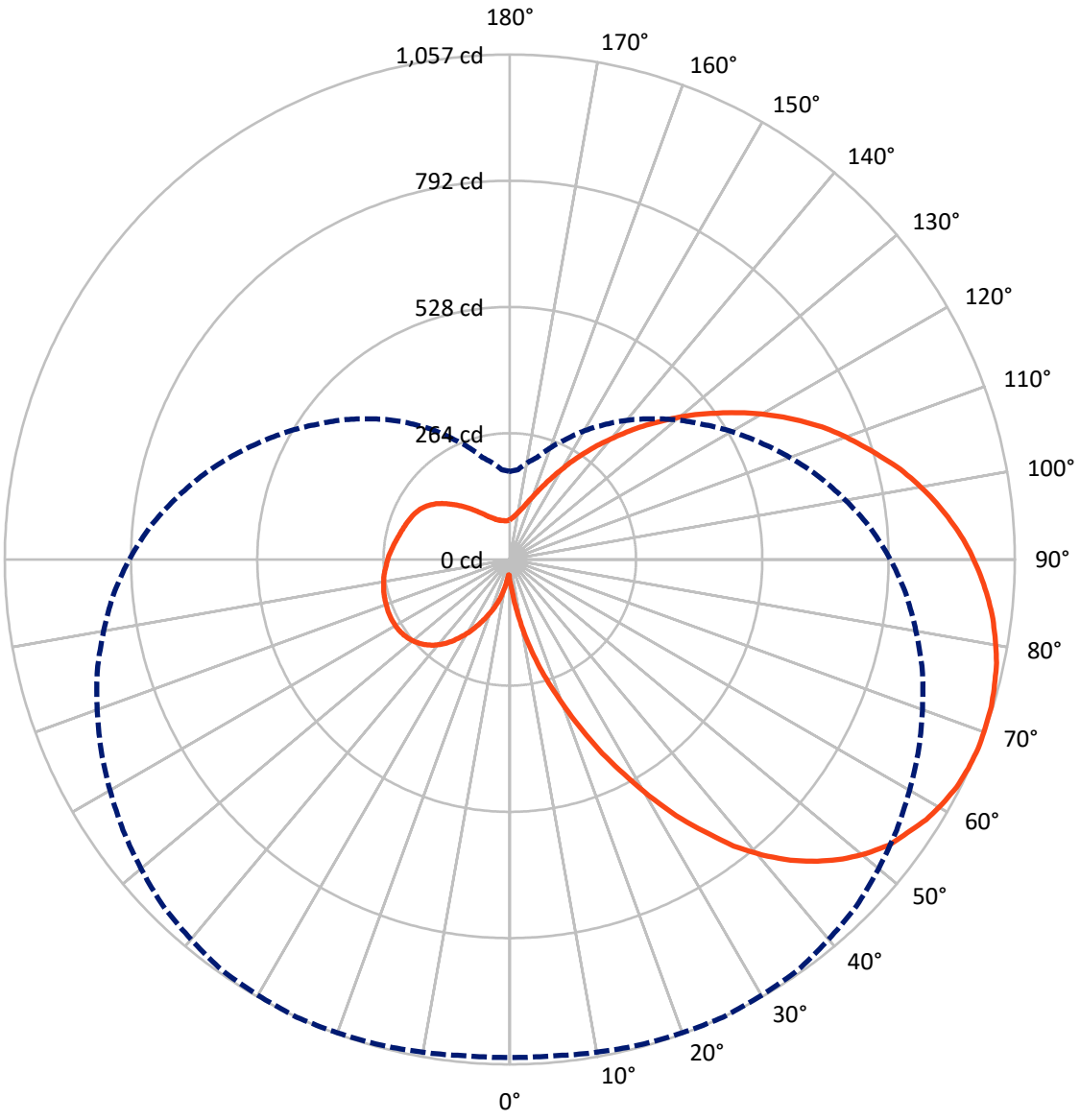
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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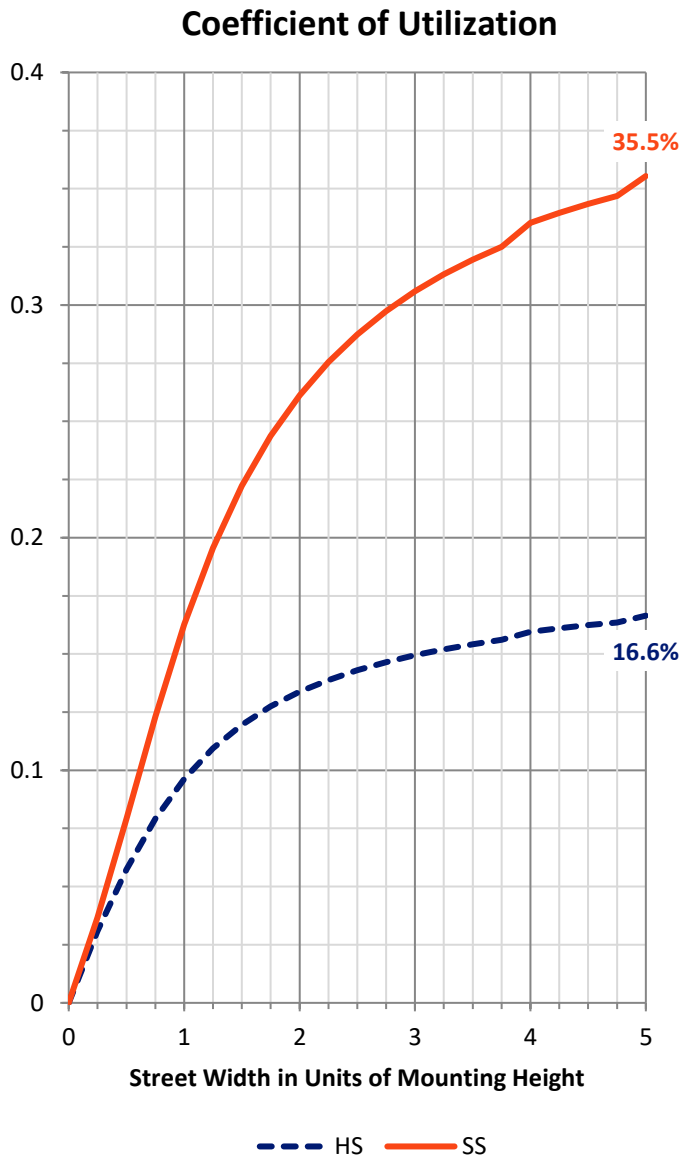
REPORT NUMBER: P1223973
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1179.6	901.6	2081.2
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	2606.4	1753.3	4359.7
	% Fixture	40.5	27.2	67.7
Total	Lumens	3785.9	2654.9	6440.9
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	49.0	0.8
20°-30°	146.7	2.3
30°-40°	302.0	4.7
40°-50°	471.5	7.3
50°-60°	610.6	9.5
60°-70°	704.1	10.9
70°-80°	749.2	11.6
80°-90°	745.9	11.6
90°-100°	695.8	10.8
100°-110°	608.2	9.4
110°-120°	498.1	7.7
120°-130°	370.4	5.8
130°-140°	240.9	3.7
140°-150°	136.5	2.1
150°-160°	67.3	1.0
160°-170°	29.4	0.5
170°-180°	8.2	0.1
0°-90°	3785.9	58.8
0°-180°	6440.9	100.0



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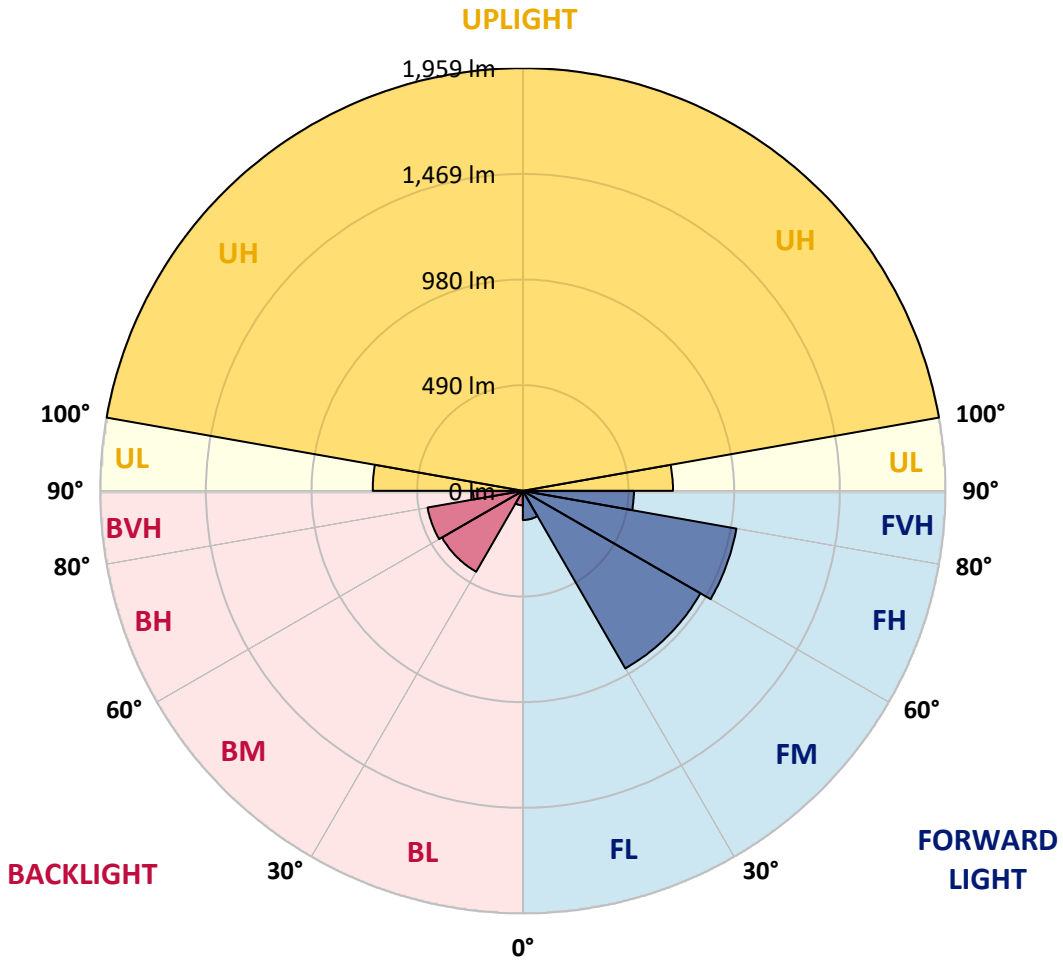
Scaled Data Report

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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°)	135.3	2.1			
FM	(30°-60°)	951.0	14.8			
FH	(60°-80°)	1005.2	15.6			G1/1800
FVH	(80°-90°)	514.8	8.0			G4/750
BL	(0°-30°)	67.5	1.0	B0/110		
BM	(30°-60°)	433.1	6.7	B1/1000		
BH	(60°-80°)	448.0	7.0	B1/500		G1/500
BVH	(80°-90°)	231.0	3.6			G3/500
UL	(90°-100°)	695.8	10.8		U4/1000	
UH	(100°-180°)	1959.1	30.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
2.5°	55.6	55.6	56.0	56.0	55.2	55.6	54.8	53.6	52.7	50.7	49.9
5°	81.0	79.7	80.1	79.3	77.7	76.9	73.6	71.1	67.1	62.6	60.5
7.5°	112.4	112.8	111.2	109.2	108.8	104.3	103.4	95.7	92.4	84.6	82.6
10°	151.3	150.5	148.8	148.4	144.7	140.2	133.3	129.2	118.6	112.8	108.3
12.5°	193.8	194.2	191.3	188.5	185.2	179.1	169.7	163.1	154.6	142.7	137.0
15°	239.6	238.0	238.0	234.7	229.8	222.8	215.5	206.1	193.8	181.1	172.9
17.5°	282.1	285.4	284.2	280.1	275.6	267.0	259.2	246.1	232.6	218.7	208.5
20°	335.3	336.1	334.0	330.4	326.3	316.5	307.1	294.0	277.2	255.5	247.0
22.5°	388.8	390.5	390.5	388.4	382.7	374.1	359.0	344.7	323.8	302.1	287.8
25°	450.6	449.3	450.6	449.3	439.9	432.2	416.6	399.5	377.0	350.4	333.2
27.5°	512.7	514.3	511.1	508.2	504.5	492.3	475.5	453.8	425.6	397.8	379.4
30°	573.2	576.9	576.9	573.6	567.9	555.6	536.8	513.5	482.5	447.3	425.6
32.5°	636.6	637.8	639.5	639.1	632.5	620.7	599.8	568.3	533.6	494.7	473.5
35°	703.7	700.0	700.8	698.3	695.5	680.8	656.6	626.4	588.8	545.4	519.7
37.5°	759.3	757.6	758.8	760.9	753.1	738.0	710.2	675.0	633.7	588.4	562.6
40°	812.0	810.8	812.8	813.2	805.5	787.9	758.4	724.5	679.9	627.6	603.5
42.5°	856.2	856.2	858.2	860.7	852.5	833.7	803.8	763.3	717.6	664.8	635.4
45°	897.0	895.8	899.9	901.1	893.0	874.1	840.6	799.7	750.7	697.1	666.4
47.5°	929.8	930.2	934.3	936.7	929.3	908.1	874.1	830.8	779.7	723.7	692.2
50°	956.7	960.4	964.1	967.0	959.2	937.9	902.8	855.8	804.6	748.2	715.5
52.5°	983.7	983.7	989.4	993.1	984.5	962.5	925.7	879.9	827.5	767.8	736.0
55°	1000.9	1001.3	1008.3	1009.5	1004.2	981.3	943.7	897.9	845.5	785.4	751.5
57.5°	1016.0	1016.4	1024.2	1027.1	1019.7	997.6	959.2	911.8	860.7	799.3	765.0
60°	1029.1	1028.7	1035.2	1039.3	1032.0	1008.7	971.0	924.8	872.5	812.0	776.4
62.5°	1037.3	1037.3	1045.1	1049.1	1041.4	1018.5	980.0	934.3	881.9	820.6	785.4
65°	1041.0	1041.8	1049.1	1054.0	1046.7	1023.4	985.0	940.0	888.5	827.5	792.0
67.5°	1042.2	1042.6	1051.6	1056.5	1049.6	1025.8	987.8	943.7	893.4	832.0	796.1
70°	1043.0	1043.4	1050.4	1055.3	1049.1	1025.4	988.6	945.3	896.2	834.5	798.5
72.5°	1038.5	1039.7	1047.5	1053.2	1045.9	1022.6	986.6	945.3	895.8	836.1	799.3
75°	1032.8	1035.7	1042.6	1047.5	1041.0	1018.5	983.3	943.7	895.4	835.3	799.3
77.5°	1027.1	1027.5	1036.5	1041.0	1034.0	1011.1	977.6	939.6	893.0	832.9	796.5
80°	1015.6	1018.1	1025.8	1029.9	1023.8	1002.1	969.4	933.8	888.5	828.8	792.0
82.5°	1007.4	1006.6	1014.4	1018.1	1011.9	989.4	960.0	924.8	881.9	821.8	785.8
85°	991.9	993.5	999.7	1002.9	996.0	975.5	947.3	915.9	872.9	814.0	777.7
87.5°	977.2	978.0	982.1	985.8	978.8	959.2	933.0	903.2	861.9	804.2	768.7
90°	958.8	959.2	963.7	966.6	960.4	942.0	917.9	888.9	850.0	793.2	757.6
92.5°	941.6	940.8	944.1	945.3	940.0	922.0	900.3	873.3	835.7	779.7	745.4
95°	919.1	918.7	921.6	920.8	915.0	899.5	879.9	856.2	819.0	765.4	731.5
97.5°	894.2	894.6	896.2	895.4	889.3	875.0	859.8	836.1	801.8	748.6	715.9
100°	866.4	867.6	870.1	867.6	862.3	851.7	835.7	816.1	782.2	731.9	699.6
102.5°	843.1	839.8	839.0	838.6	833.3	823.9	811.6	794.4	762.9	713.5	682.4
105°	812.4	810.4	810.0	805.5	803.4	795.6	785.4	769.9	741.7	695.1	664.8
107.5°	780.1	780.5	778.9	773.6	770.7	765.4	759.7	745.8	718.8	674.6	646.8
110°	751.1	749.0	744.5	742.1	740.0	735.5	731.9	721.2	696.3	655.0	627.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	715.1	716.3	711.0	*709.4*	706.1	705.7	703.2	694.7	672.6	634.1	608.0
115°	682.8	682.0	676.7	*673.4*	672.2	673.0	674.6	668.5	648.0	611.7	587.5
117.5°	647.2	644.8	641.1	*637.8*	636.2	639.5	643.1	640.3	623.1	588.8	565.9
120°	609.2	609.6	604.3	*601.0*	601.4	606.8	611.7	610.0	593.7	563.0	542.6
122.5°	573.6	571.6	567.1	*563.8*	566.7	572.4	578.1	577.7	563.4	533.6	515.2
125°	534.8	534.4	529.9	*526.6*	529.1	535.6	542.6	543.4	529.9	504.9	486.5
127.5°	498.0	496.8	496.0	*492.3*	493.9	502.9	507.8	507.4	495.5	472.6	456.7
130°	462.8	462.4	457.5	*455.9*	457.9	465.3	470.2	469.4	460.0	439.9	425.6
132.5°	427.3	425.6	423.6	*421.1*	422.8	428.9	435.4	434.6	423.6	404.4	392.9
135°	392.1	390.9	389.2	*387.6*	388.8	395.0	400.7	399.1	389.6	372.5	361.0
137.5°	359.8	358.6	356.5	*354.5*	356.1	361.0	364.7	363.5	355.7	339.4	328.3
140°	326.3	327.1	324.6	*323.0*	323.8	328.7	331.6	330.0	321.4	307.9	298.9
142.5°	295.6	295.6	294.4	*294.0*	295.2	297.7	300.1	296.8	291.1	277.2	269.8
145°	266.2	266.6	266.2	*265.4*	265.8	268.6	269.0	267.8	261.3	251.0	242.9
147.5°	238.4	239.6	238.8	*238.8*	239.2	240.4	242.0	239.2	233.5	224.5	218.7
150°	212.6	213.4	213.4	*212.6*	212.6	214.2	214.2	212.2	207.7	200.3	195.0
152.5°	190.1	190.5	190.5	*189.7*	190.1	190.5	189.7	187.3	183.6	177.9	173.8
155°	169.7	170.5	169.3	*169.7*	168.5	168.9	168.5	166.8	162.7	157.8	155.4
157.5°	151.3	152.5	151.7	*151.7*	150.9	150.5	150.1	148.4	145.6	141.5	138.6
160°	136.6	137.4	136.2	*136.2*	135.3	135.3	133.7	132.9	130.0	126.3	124.7
162.5°	123.9	123.9	123.5	*123.9*	123.5	122.3	121.4	119.8	117.3	114.5	113.3
165°	113.7	113.3	113.3	*112.8*	112.4	111.6	110.4	109.6	107.1	104.7	103.9
167.5°	105.9	105.5	105.1	*104.7*	103.9	103.4	102.2	101.4	99.4	97.3	96.5
170°	99.4	99.4	98.5	*98.1*	97.7	96.9	95.7	94.4	92.8	91.6	90.8
172.5°	93.6	93.6	93.2	*92.8*	92.4	91.6	90.4	89.5	88.3	87.1	86.3
175°	89.5	89.5	89.1	*88.3*	87.9	87.1	86.3	85.5	84.2	83.4	83.0
177.5°	86.3	86.3	86.3	*85.5*	85.0	84.2	83.4	82.6	82.2	81.4	81.4
180°	82.2	82.2	82.2	*82.2*	82.2	82.2	82.2	82.2	82.2	82.2	82.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
2.5°	48.7	46.2	44.2	40.9	38.0	35.6	33.9	32.7	31.9	31.1
5°	58.1	53.6	49.1	44.2	39.7	35.6	32.3	29.8	28.6	28.6
7.5°	79.3	72.4	64.6	57.6	52.3	47.0	42.1	39.3	37.6	36.8
10°	103.9	93.6	85.9	77.3	67.9	61.3	55.6	51.9	49.9	50.3
12.5°	133.3	120.6	110.8	98.1	87.9	77.7	71.6	66.2	63.8	63.4
15°	166.0	151.3	137.0	121.8	108.3	96.5	87.5	80.5	76.5	76.0
17.5°	200.3	181.9	162.7	145.6	128.0	113.3	101.0	92.8	88.3	88.3
20°	235.1	214.2	191.8	169.3	148.0	130.0	115.7	105.1	99.4	98.5
22.5°	275.2	248.6	221.6	194.2	170.1	147.6	129.2	116.5	110.4	109.2
25°	318.9	287.4	255.1	222.8	193.0	166.0	144.7	130.4	121.8	120.6
27.5°	364.3	326.3	288.2	250.6	215.9	186.0	160.3	141.9	133.3	132.1
30°	408.9	367.2	323.0	278.8	239.6	205.2	175.8	154.6	143.9	142.3
32.5°	452.6	405.2	356.5	307.5	264.5	224.5	190.1	167.2	154.1	152.5
35°	494.3	445.3	388.4	335.7	286.6	243.7	205.2	178.7	164.0	162.3
37.5°	535.2	479.6	419.9	361.8	308.7	260.0	219.2	189.3	172.9	171.3
40°	574.0	512.3	447.3	386.0	327.9	276.4	231.0	198.7	180.3	178.3
42.5°	603.9	540.5	472.6	406.4	344.7	288.7	241.6	206.1	186.0	183.2
45°	633.7	565.9	494.3	424.4	359.4	300.5	250.2	212.6	191.3	188.1
47.5°	658.3	587.5	511.9	439.1	371.7	310.7	257.6	217.1	194.6	191.3
50°	681.6	606.8	528.3	452.6	382.7	319.7	263.7	220.8	196.7	193.4
52.5°	699.6	622.7	541.3	463.2	391.7	326.3	268.6	223.2	197.9	194.2
55°	714.7	635.8	552.0	471.4	398.6	332.0	272.3	224.5	197.9	194.2
57.5°	727.4	646.0	560.6	478.8	404.0	335.7	274.8	224.9	196.7	193.0
60°	738.4	655.4	567.5	484.5	408.9	339.4	276.4	224.9	195.4	191.3
62.5°	747.4	661.9	572.8	489.0	412.5	342.2	277.2	224.1	193.0	188.9
65°	752.7	666.4	576.1	491.5	414.6	343.0	277.2	222.8	190.5	186.4
67.5°	*757.2*	*669.3*	*578.1*	*492.7*	*415.8*	*343.9*	*276.8*	*220.8*	*188.1*	*184.0*
70°	759.3	670.5	579.0	493.5	416.6	343.4	275.6	219.2	185.6	180.7
72.5°	759.7	670.9	578.5	493.5	416.6	343.4	274.3	216.7	182.8	178.3
75°	758.8	669.7	577.3	493.1	416.2	342.2	273.1	214.7	180.3	175.4
77.5°	756.4	667.3	575.3	491.5	414.2	341.0	270.7	212.2	177.4	172.9
80°	752.3	663.2	572.0	488.6	411.7	338.5	268.6	209.7	175.0	170.5
82.5°	746.2	657.9	567.9	484.9	409.3	335.7	266.2	207.3	172.5	168.0
85°	738.8	651.3	561.8	480.4	405.6	332.4	262.9	204.4	170.1	165.6
87.5°	728.6	643.1	555.2	475.1	400.7	328.3	259.2	202.0	168.0	163.5
90°	718.8	634.1	548.3	469.4	396.2	324.6	255.9	199.1	166.4	161.9
92.5°	707.3	623.5	539.7	462.8	390.1	319.7	252.7	196.7	164.8	160.7
95°	694.2	612.1	530.7	455.1	384.3	314.8	248.6	194.2	163.1	159.5
97.5°	679.5	599.8	520.9	446.9	377.4	309.5	244.9	192.2	162.3	158.2
100°	664.4	585.9	510.3	438.7	370.4	303.8	241.2	190.1	161.9	158.2
102.5°	647.2	573.2	499.6	430.5	363.5	298.5	237.5	188.9	161.9	158.2
105°	630.9	558.5	488.2	421.5	356.5	293.2	234.3	188.1	162.3	159.0
107.5°	613.3	544.6	476.7	412.1	348.8	287.8	231.4	187.3	163.1	159.9
110°	596.9	531.1	466.1	403.1	341.8	282.9	228.6	186.9	164.0	161.1

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

Scaled Data Report

REPORT NUMBER: P1223973
CATALOG NUMBER: FFX-CLB-50-722-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	579.0	516.4	454.2	393.3	334.4	277.2	225.7	186.0	164.8	162.3
115°	560.1	500.9	442.4	383.5	325.9	271.9	222.8	185.6	165.6	163.1
117.5°	539.7	484.1	428.1	372.1	316.9	265.4	218.7	184.0	165.6	163.1
120°	517.6	466.5	412.5	359.8	306.6	257.6	214.7	181.9	164.8	162.7
122.5°	493.5	445.7	394.6	344.3	295.2	248.6	208.5	178.3	162.7	160.7
125°	466.9	422.4	376.2	327.5	280.9	238.4	201.2	174.2	159.5	157.8
127.5°	439.1	398.2	354.1	309.9	267.4	227.3	193.4	168.0	155.0	153.3
130°	408.0	371.2	331.2	290.3	251.5	214.7	184.0	161.1	149.2	147.6
132.5°	378.2	344.7	308.7	272.3	234.7	202.4	173.8	153.3	143.1	141.5
135°	347.1	317.7	285.4	251.0	219.2	188.9	163.5	145.6	136.2	134.9
137.5°	316.9	291.9	261.7	231.4	203.2	175.8	153.7	138.2	129.6	128.8
140°	288.7	265.4	240.0	213.4	187.3	163.5	144.3	130.0	123.1	121.8
142.5°	261.3	241.2	218.3	195.8	171.7	151.7	134.9	122.3	116.5	115.7
145°	235.5	218.7	198.7	178.3	157.8	140.2	125.9	115.3	110.4	110.0
147.5°	211.4	197.5	179.9	162.7	145.6	130.8	117.8	109.6	105.1	104.7
150°	189.3	176.6	162.7	148.0	133.7	120.6	110.8	103.4	99.8	99.4
152.5°	168.5	158.6	147.2	135.3	123.1	112.8	103.9	98.5	95.7	95.3
155°	150.5	142.7	133.3	123.1	113.7	105.5	98.5	94.4	92.0	92.0
157.5°	135.3	128.8	121.8	113.7	105.9	99.4	94.4	90.8	88.7	88.7
160°	122.3	116.5	111.2	105.1	99.8	94.4	90.8	87.9	86.3	86.3
162.5°	111.2	107.1	103.0	98.5	94.0	90.8	87.5	85.5	84.6	84.2
165°	102.2	99.8	96.5	93.2	90.4	87.5	85.5	84.2	83.4	83.4
167.5°	95.3	93.6	91.2	89.1	87.1	85.0	83.8	83.0	82.6	82.6
170°	89.9	88.7	87.1	85.9	84.6	83.4	82.6	82.2	81.8	81.8
172.5°	85.9	84.6	83.8	83.4	82.6	82.2	81.8	81.4	81.4	81.4
175°	83.0	82.2	82.2	81.8	81.4	81.4	81.0	81.0	81.0	81.4
177.5°	81.0	81.0	81.0	81.0	81.0	81.4	81.4	81.4	81.8	81.8
180°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2

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: SP1-2501-332-2

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

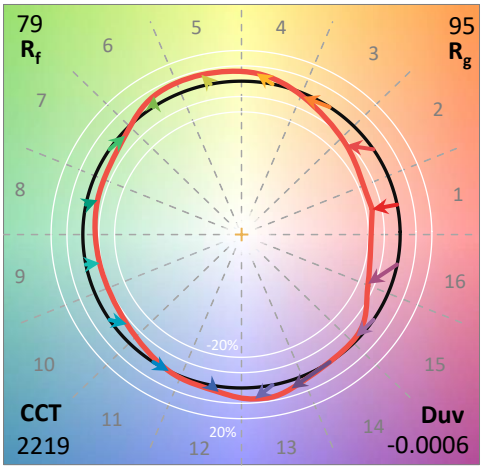
Test Information

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

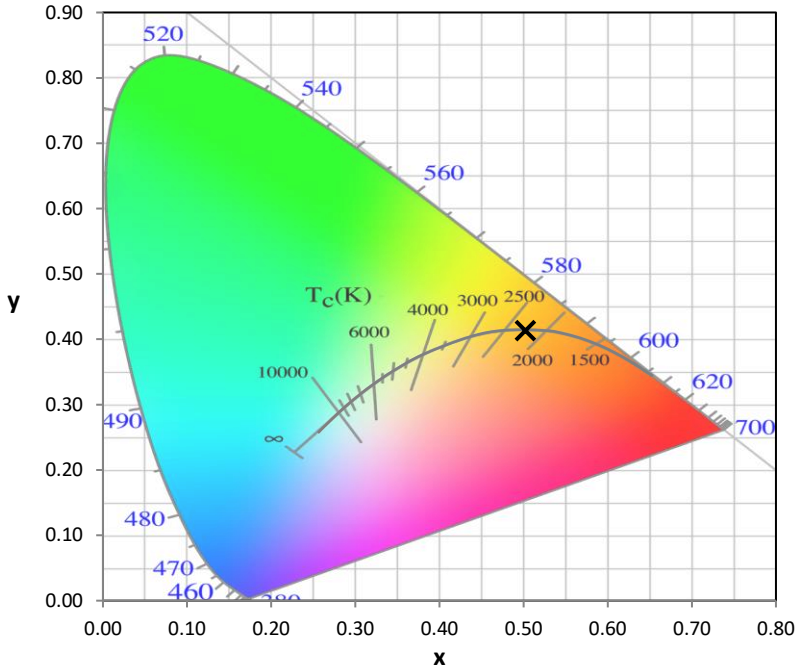
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

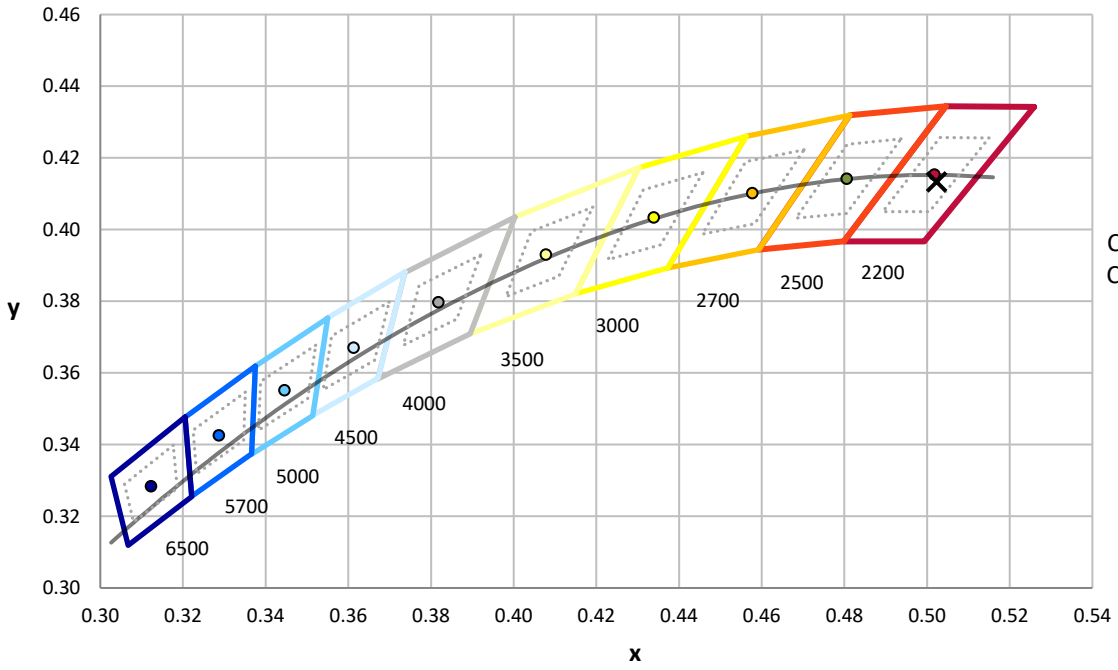
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

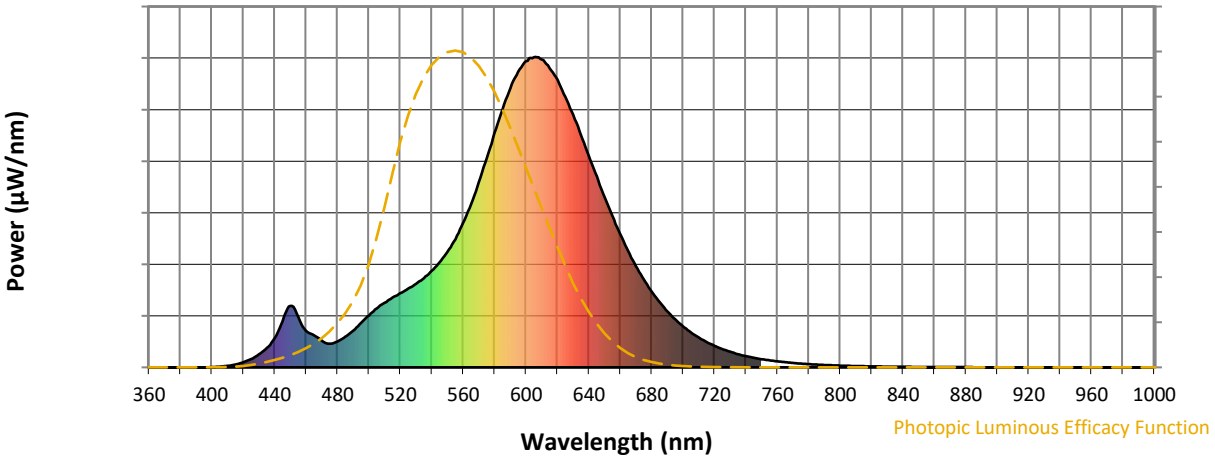


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

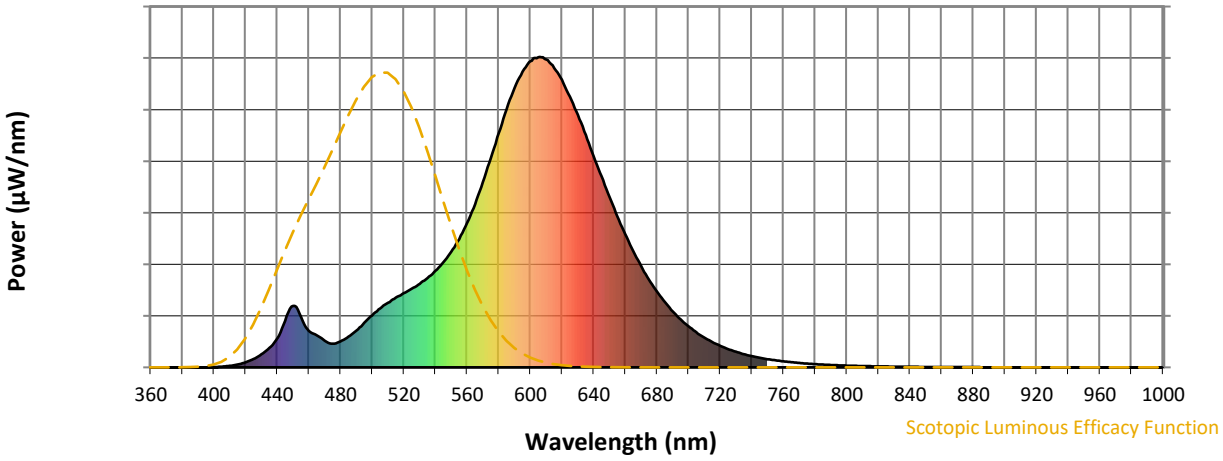


Photopic Lumens: NR

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

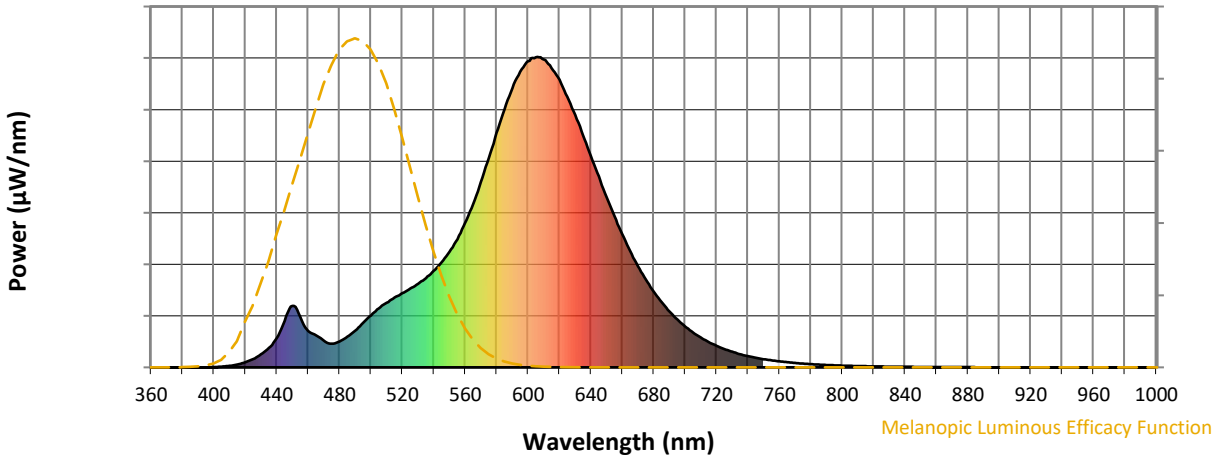


Scotopic Lumens: NR **S/P: 0.94**

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			

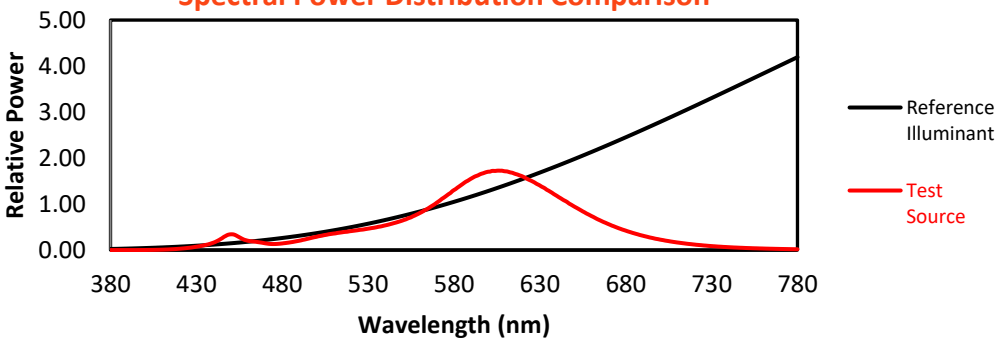
REPORT NUMBER: SP1-2501-332-2

TM-30-18

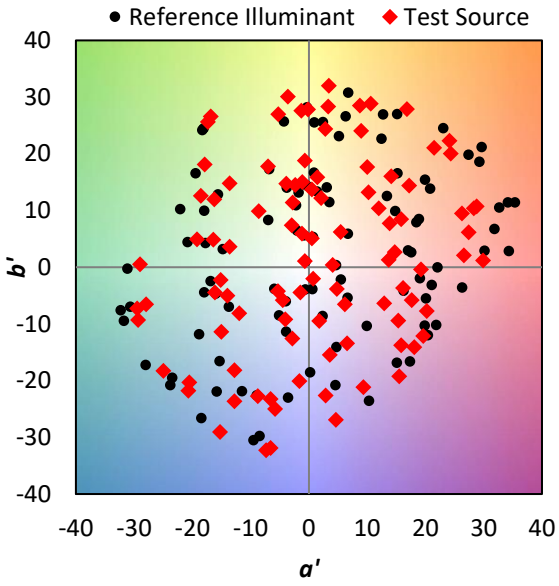
Summary

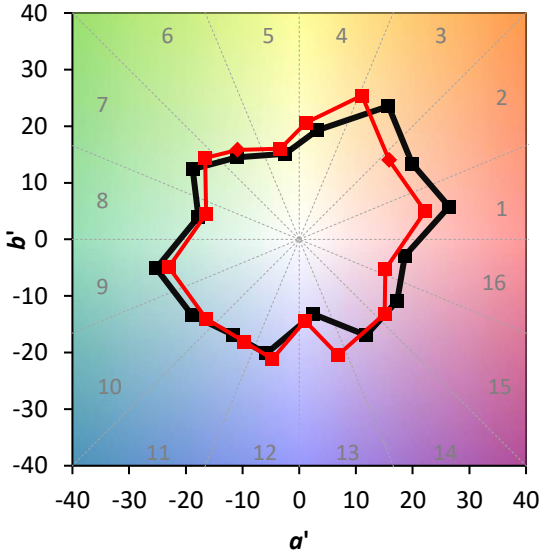
R_f = 78.8
R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

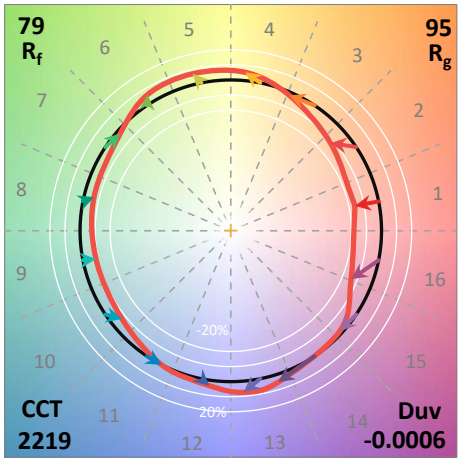
Spectral Power Distribution Comparison

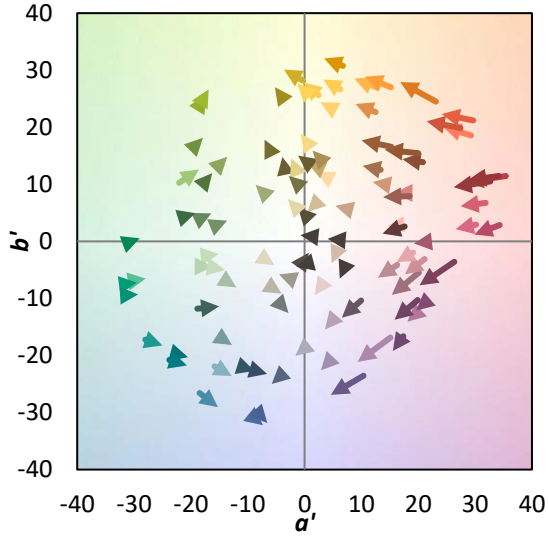


Color Vector Graphics







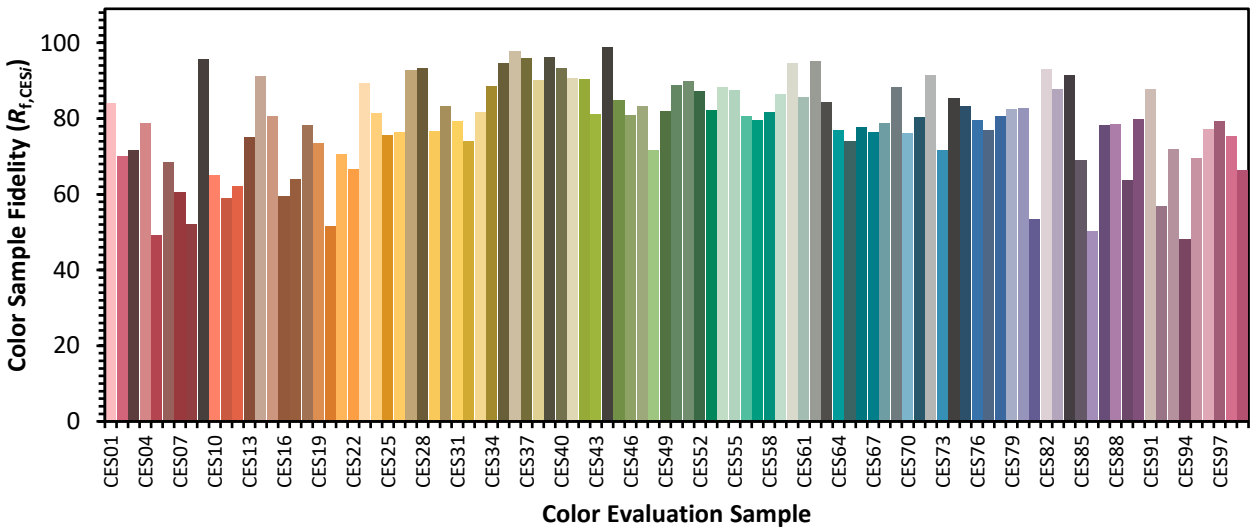


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

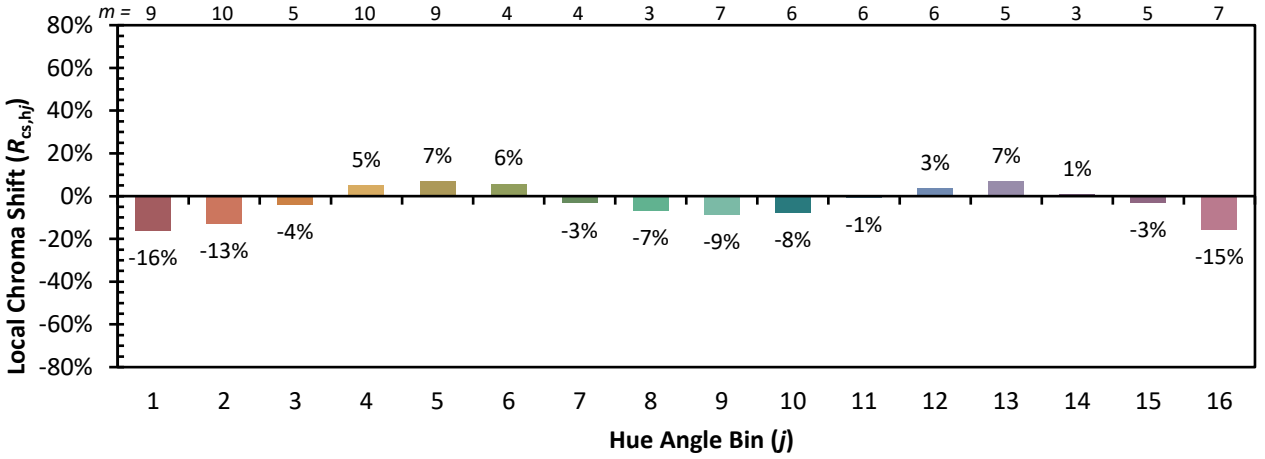
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 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	

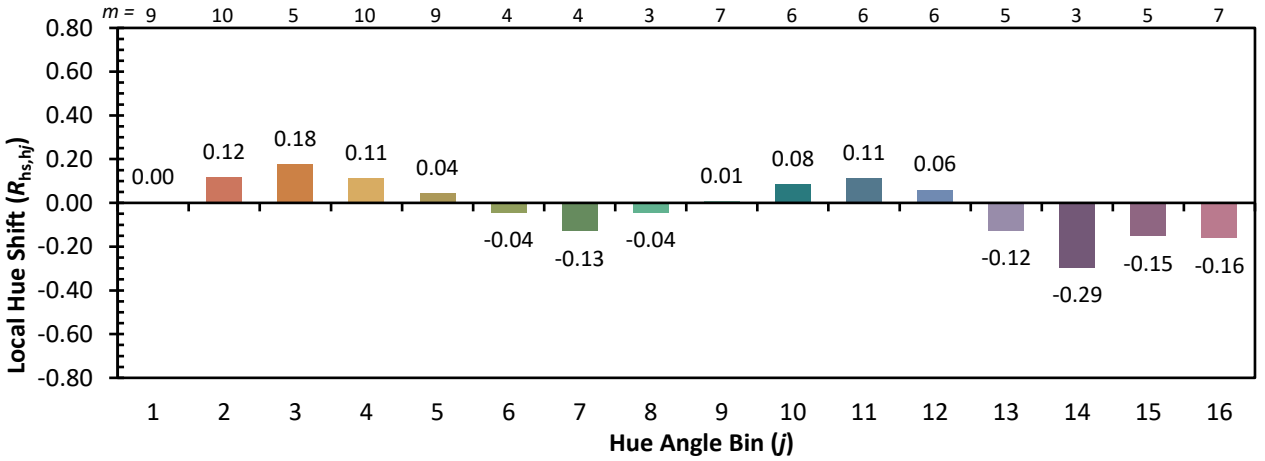


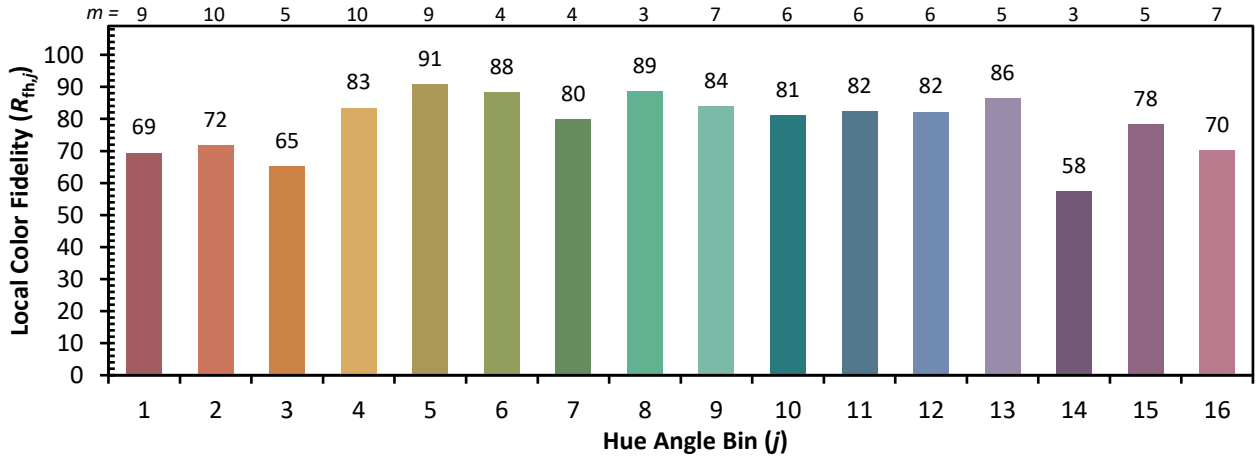
REPORT NUMBER: SP1-2501-332-2

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Color Rendition by Hue-Angle Bin



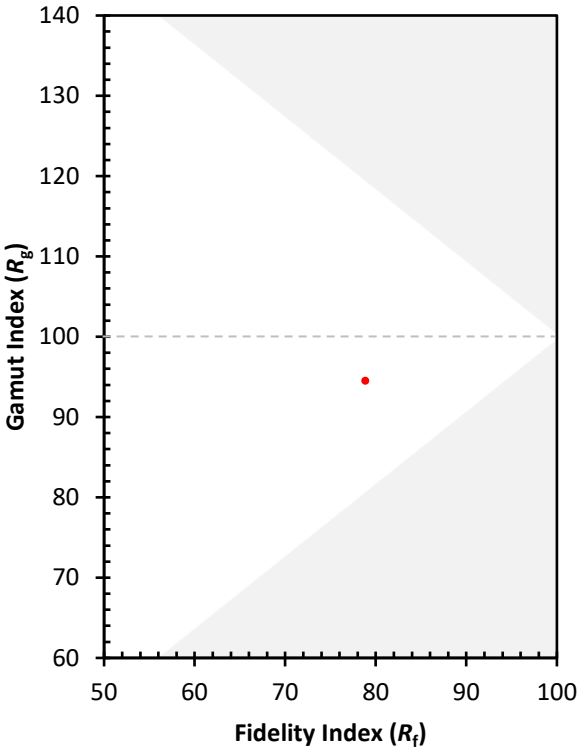


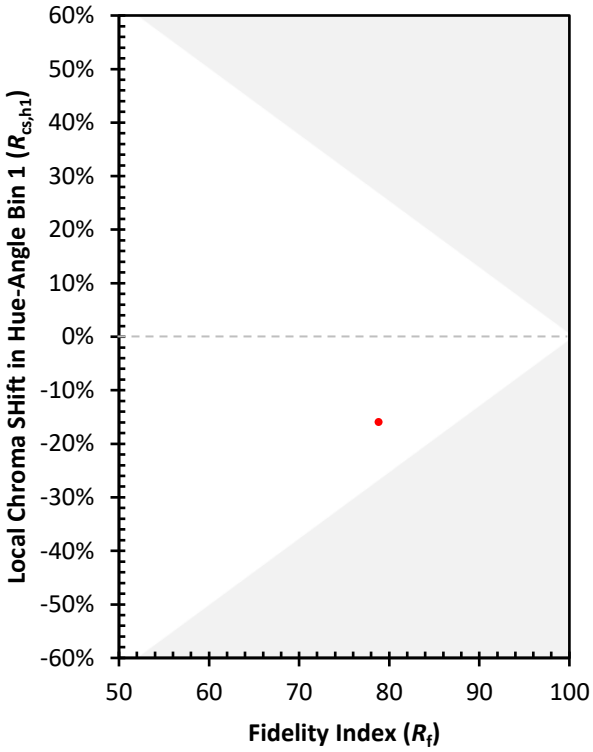


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Measure Comparisons





(END OF REPORT)