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: P1223982

Luminaire Tested: **FFX-CLB-50-727-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:	P1223982
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-727-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7246 lumens
Efficiency:	N/A
Efficacy:	143.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

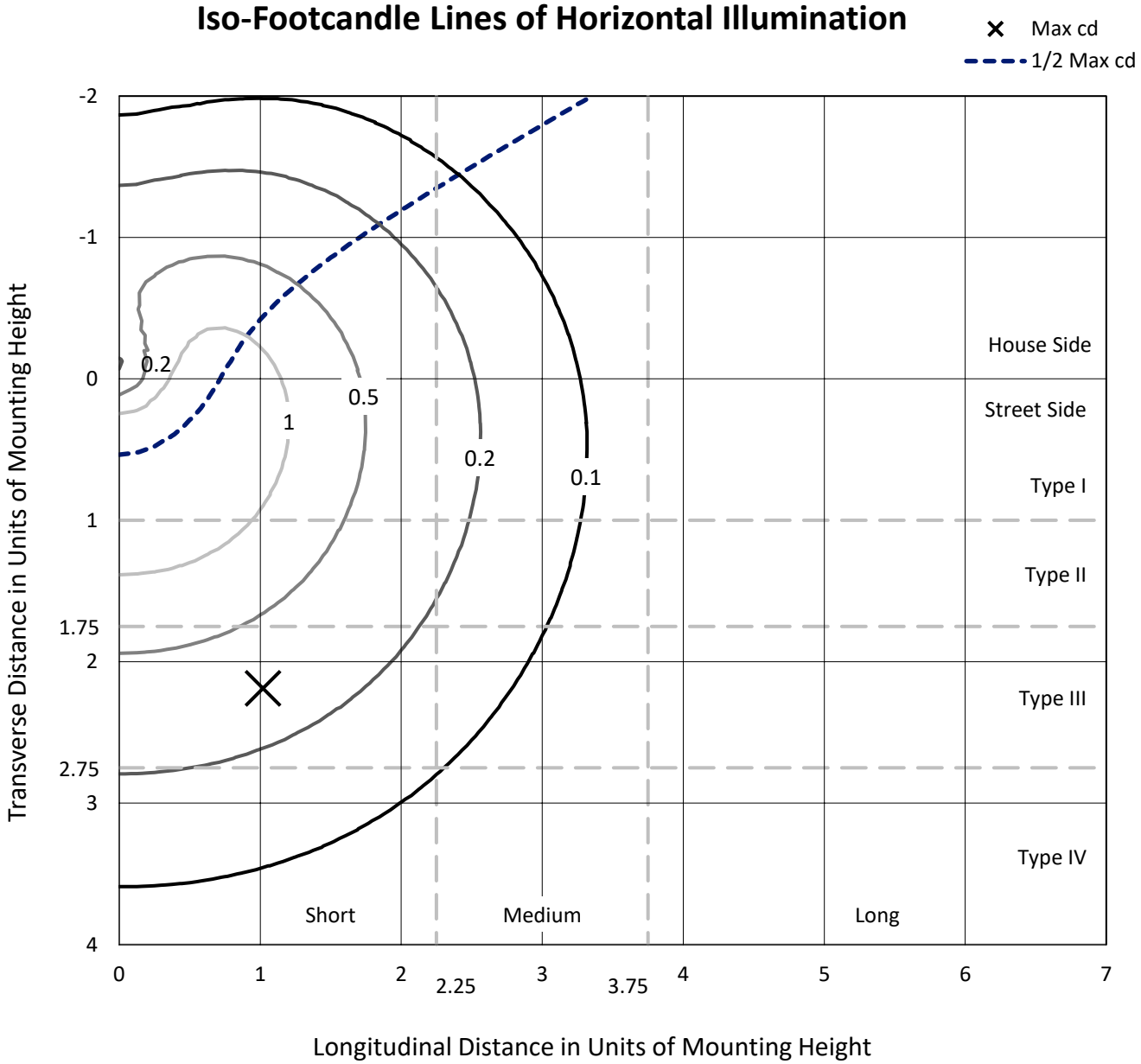


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Iso-Footcandle Lines of Horizontal Illumination



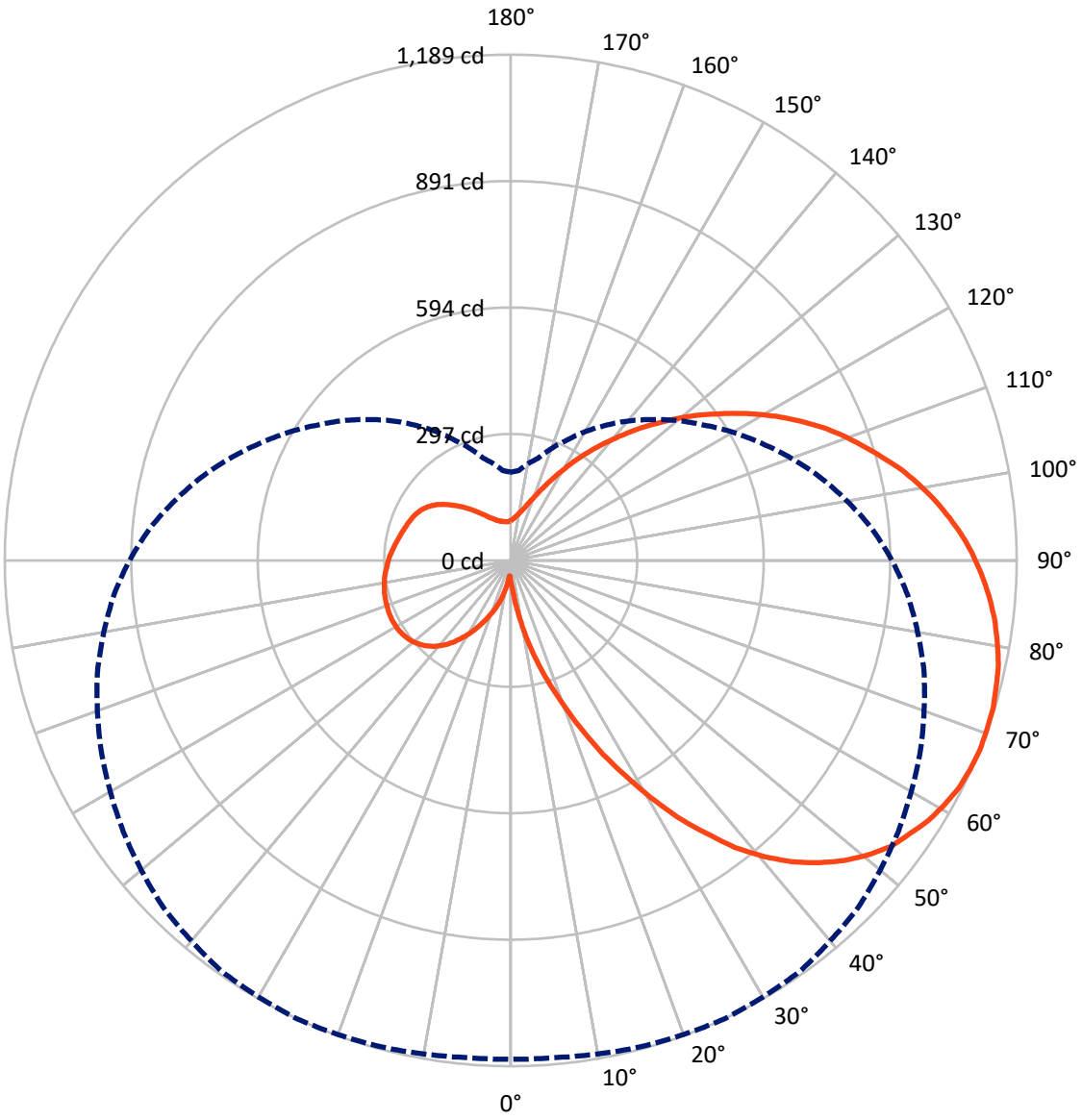
Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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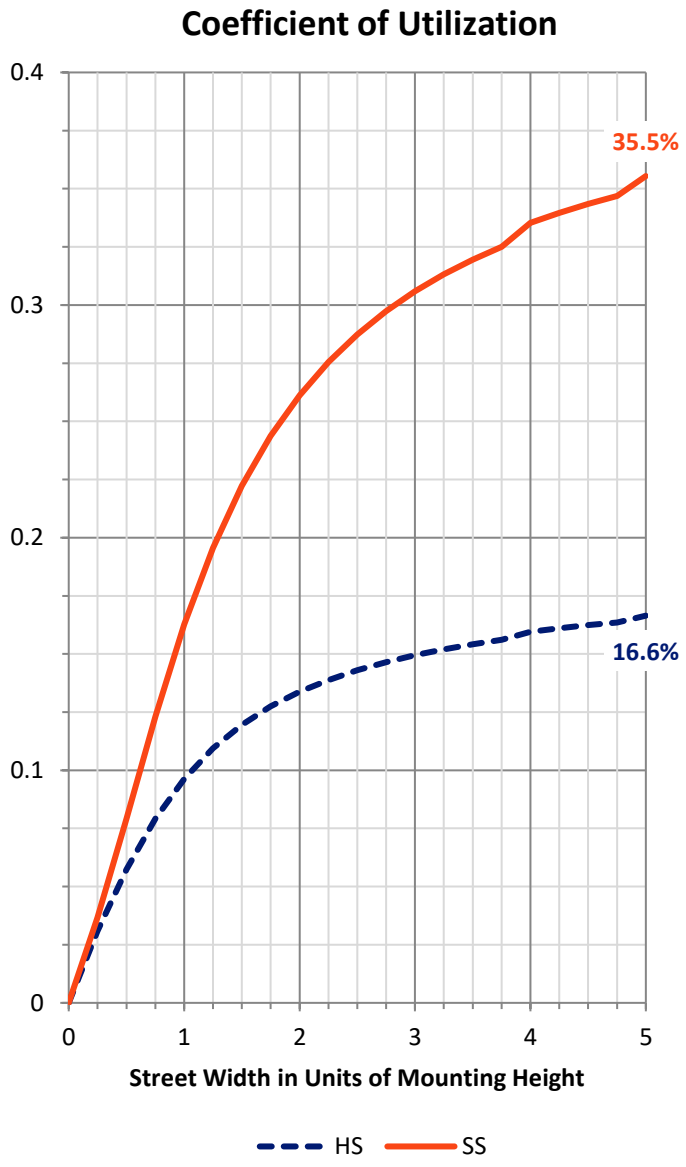
REPORT NUMBER: P1223982
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1327.0	1014.3	2341.3
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	2932.2	1972.4	4904.6
	% Fixture	40.5	27.2	67.7
Total	Lumens	4259.2	2986.8	7246.0
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	55.1	0.8
20°-30°	165.1	2.3
30°-40°	339.7	4.7
40°-50°	530.4	7.3
50°-60°	687.0	9.5
60°-70°	792.1	10.9
70°-80°	842.8	11.6
80°-90°	839.1	11.6
90°-100°	782.8	10.8
100°-110°	684.3	9.4
110°-120°	560.4	7.7
120°-130°	416.7	5.8
130°-140°	271.1	3.7
140°-150°	153.5	2.1
150°-160°	75.7	1.0
160°-170°	33.0	0.5
170°-180°	9.3	0.1
0°-90°	4259.2	58.8
0°-180°	7246.0	100.0



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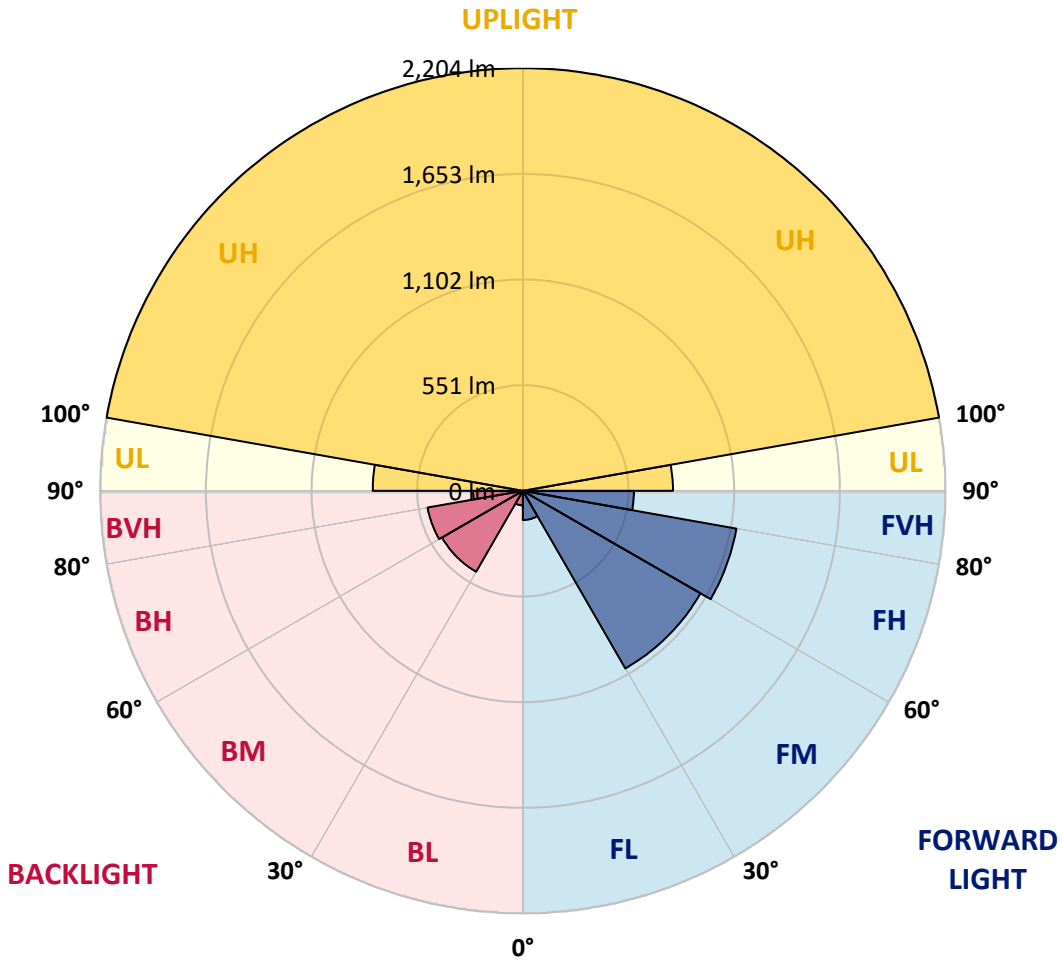
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	152.2	2.1			
FM	(30°-60°)	1069.9	14.8			
FH	(60°-80°)	1130.9	15.6			G1/1800
FVH	(80°-90°)	579.2	8.0			G4/750
BL	(0°-30°)	75.9	1.0	B0/110		
BM	(30°-60°)	487.2	6.7	B1/1000		
BH	(60°-80°)	504.0	7.0	B2/1000		G2/1000
BVH	(80°-90°)	259.9	3.6			G3/500
UL	(90°-100°)	782.8	10.8		U4/1000	
UH	(100°-180°)	2203.9	30.4		U5	

BUG Rating: B2-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
2.5°	62.6	62.6	63.0	63.0	62.1	62.6	61.6	60.3	59.3	57.0	56.1
5°	91.1	89.7	90.2	89.2	87.4	86.5	82.8	80.0	75.4	70.4	68.1
7.5°	126.5	127.0	125.1	122.8	122.4	117.3	116.4	107.6	104.0	95.2	92.9
10°	170.2	169.3	167.4	167.0	162.8	157.8	150.0	145.4	133.4	127.0	121.9
12.5°	218.0	218.5	215.3	212.0	208.4	201.5	190.9	183.5	173.9	160.5	154.1
15°	269.5	267.7	267.7	264.0	258.5	250.7	242.4	231.8	218.0	203.8	194.6
17.5°	317.4	321.1	319.7	315.1	310.0	300.4	291.6	276.9	261.7	246.1	234.6
20°	377.2	378.1	375.8	371.7	367.1	356.0	345.4	330.7	311.9	287.5	277.8
22.5°	437.4	439.3	439.3	437.0	430.5	420.9	403.9	387.8	364.3	339.9	323.8
25°	506.9	505.5	506.9	505.5	494.9	486.2	468.7	449.4	424.1	394.2	374.9
27.5°	576.8	578.6	575.0	571.7	567.6	553.8	534.9	510.6	478.8	447.6	426.9
30°	644.9	649.0	649.0	645.3	638.9	625.1	603.9	577.7	542.8	503.2	478.8
32.5°	716.2	717.6	719.4	718.9	711.6	698.2	674.8	639.4	600.3	556.6	532.6
35°	791.6	787.5	788.4	785.6	782.4	765.9	738.7	704.7	662.4	613.6	584.6
37.5°	854.2	852.3	853.7	856.0	847.3	830.2	799.0	759.4	713.0	661.9	632.9
40°	913.5	912.1	914.4	914.9	906.1	886.4	853.2	815.1	764.9	706.1	678.9
42.5°	963.2	963.2	965.5	968.2	959.0	937.9	904.3	858.8	807.2	747.9	714.8
45°	1009.2	1007.8	1012.4	1013.8	1004.6	983.4	945.7	899.7	844.5	784.3	749.8
47.5°	1046.0	1046.4	1051.0	1053.8	1045.5	1021.6	983.4	934.7	877.2	814.1	778.7
50°	1076.3	1080.5	1084.6	1087.8	1079.1	1055.2	1015.6	962.7	905.2	841.7	804.9
52.5°	1106.7	1106.7	1113.1	1117.3	1107.6	1082.8	1041.4	989.9	931.0	863.8	827.9
55°	1126.0	1126.5	1134.3	1135.7	1129.7	1103.9	1061.6	1010.1	951.2	883.6	845.4
57.5°	1143.0	1143.5	1152.2	1155.4	1147.2	1122.3	1079.1	1025.7	968.2	899.2	860.6
60°	1157.7	1157.3	1164.6	1169.2	1161.0	1134.7	1092.4	1040.5	981.6	913.5	873.5
62.5°	1166.9	1166.9	1175.7	1180.3	1171.5	1145.8	1102.6	1051.0	992.2	923.2	883.6
65°	1171.1	1172.0	1180.3	1185.8	1177.5	1151.3	1108.1	1057.5	999.5	931.0	891.0
67.5°	1172.5	1172.9	1183.0	1188.6	1180.7	1154.1	1111.3	1061.6	1005.0	936.0	895.6
70°	1173.4	1173.8	1181.7	1187.2	1180.3	1153.6	1112.2	1063.5	1008.3	938.8	898.3
72.5°	1168.3	1169.7	1178.4	1184.9	1176.6	1150.4	1109.9	1063.5	1007.8	940.6	899.2
75°	1161.9	1165.1	1172.9	1178.4	1171.1	1145.8	1106.2	1061.6	1007.3	939.7	899.2
77.5°	1155.4	1155.9	1166.0	1171.1	1163.3	1137.5	1099.8	1057.0	1004.6	937.0	896.0
80°	1142.6	1145.3	1154.1	1158.7	1151.8	1127.4	1090.6	1050.6	999.5	932.4	891.0
82.5°	1133.4	1132.4	1141.2	1145.3	1138.4	1113.1	1080.0	1040.5	992.2	924.5	884.1
85°	1115.9	1117.7	1124.6	1128.3	1120.5	1097.5	1065.8	1030.3	982.0	915.8	874.9
87.5°	1099.3	1100.3	1104.9	1109.0	1101.2	1079.1	1049.7	1016.1	969.6	904.8	864.7
90°	1078.6	1079.1	1084.2	1087.4	1080.5	1059.8	1032.6	1000.0	956.3	892.3	852.3
92.5°	1059.3	1058.4	1062.1	1063.5	1057.5	1037.2	1012.9	982.5	940.2	877.2	838.5
95°	1034.0	1033.6	1036.8	1035.9	1029.4	1011.9	989.9	963.2	921.3	861.1	822.9
97.5°	1006.0	1006.4	1008.3	1007.3	1000.4	984.3	967.3	940.6	902.0	842.2	805.4
100°	974.7	976.1	978.8	976.1	970.1	958.1	940.2	918.1	879.9	823.3	787.0
102.5°	948.5	944.8	943.9	943.4	937.4	926.8	913.0	893.7	858.3	802.6	767.7
105°	914.0	911.7	911.2	906.1	903.8	895.1	883.6	866.1	834.4	782.0	747.9
107.5°	877.6	878.1	876.2	870.3	867.0	861.1	854.6	839.0	808.6	759.0	727.7
110°	845.0	842.7	837.6	834.8	832.5	827.5	823.3	811.4	783.3	736.9	705.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	804.5	805.9	799.9	*798.0*	794.4	793.9	791.1	781.5	756.7	713.4	684.0
115°	768.2	767.2	761.3	*757.6*	756.2	757.1	759.0	752.1	729.1	688.1	661.0
117.5°	728.1	725.4	721.2	*717.6*	715.7	719.4	723.5	720.3	701.0	662.4	636.6
120°	685.4	685.8	679.8	*676.2*	676.6	682.6	688.1	686.3	667.9	633.4	610.4
122.5°	645.3	643.0	638.0	*634.3*	637.5	644.0	650.4	649.9	633.8	600.3	579.6
125°	601.6	601.2	596.1	*592.4*	595.2	602.6	610.4	611.3	596.1	568.1	547.4
127.5°	560.2	558.9	557.9	*553.8*	555.6	565.8	571.3	570.8	557.5	531.7	513.8
130°	520.7	520.2	514.7	*512.9*	515.2	523.4	529.0	528.0	517.5	494.9	478.8
132.5°	480.7	478.8	476.5	*473.8*	475.6	482.5	489.9	488.9	476.5	454.9	442.0
135°	441.1	439.7	437.9	*436.1*	437.4	444.3	450.8	448.9	438.4	419.0	406.2
137.5°	404.8	403.4	401.1	*398.8*	400.6	406.2	410.3	408.9	400.2	381.8	369.4
140°	367.1	368.0	365.2	*363.4*	364.3	369.8	373.0	371.2	361.5	346.4	336.2
142.5°	332.6	332.6	331.2	*330.7*	332.1	334.9	337.6	333.9	327.5	311.9	303.6
145°	299.4	299.9	299.4	*298.5*	299.0	302.2	302.7	301.3	293.9	282.4	273.2
147.5°	268.2	269.5	268.6	*268.6*	269.1	270.5	272.3	269.1	262.6	252.5	246.1
150°	239.2	240.1	240.1	*239.2*	239.2	241.0	241.0	238.7	233.7	225.4	219.4
152.5°	213.9	214.3	214.3	*213.4*	213.9	214.3	213.4	210.7	206.5	200.1	195.5
155°	190.9	191.8	190.4	*190.9*	189.5	190.0	189.5	187.7	183.1	177.5	174.8
157.5°	170.2	171.6	170.6	*170.6*	169.7	169.3	168.8	167.0	163.7	159.1	155.9
160°	153.6	154.6	153.2	*153.2*	152.3	152.3	150.4	149.5	146.3	142.1	140.3
162.5°	139.4	139.4	138.9	*139.4*	138.9	137.5	136.6	134.8	132.0	128.8	127.4
165°	127.9	127.4	127.4	*127.0*	126.5	125.6	124.2	123.3	120.5	117.8	116.8
167.5°	119.1	118.7	118.2	*117.8*	116.8	116.4	115.0	114.1	111.8	109.5	108.6
170°	111.8	111.8	110.9	*110.4*	109.9	109.0	107.6	106.3	104.4	103.0	102.1
172.5°	105.3	105.3	104.9	*104.4*	104.0	103.0	101.7	100.7	99.4	98.0	97.1
175°	100.7	100.7	100.3	*99.4*	98.9	98.0	97.1	96.1	94.8	93.8	93.4
177.5°	97.1	97.1	97.1	*96.1*	95.7	94.8	93.8	92.9	92.5	91.5	91.5
180°	92.5	92.5	92.5	*92.5*	92.5	92.5	92.5	92.5	92.5	92.5	92.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
2.5°	54.7	52.0	49.7	46.0	42.8	40.0	38.2	36.8	35.9	35.0
5°	65.3	60.3	55.2	49.7	44.6	40.0	36.3	33.6	32.2	32.2
7.5°	89.2	81.4	72.7	64.9	58.9	52.9	47.4	44.2	42.3	41.4
10°	116.8	105.3	96.6	86.9	76.4	69.0	62.6	58.4	56.1	56.6
12.5°	150.0	135.7	124.7	110.4	98.9	87.4	80.5	74.5	71.8	71.3
15°	186.7	170.2	154.1	137.1	121.9	108.6	98.4	90.6	86.0	85.6
17.5°	225.4	204.7	183.1	163.7	144.0	127.4	113.6	104.4	99.4	99.4
20°	264.5	241.0	215.7	190.4	166.5	146.3	130.2	118.2	111.8	110.9
22.5°	309.6	279.7	249.3	218.5	191.3	166.0	145.4	131.1	124.2	122.8
25°	358.8	323.4	287.0	250.7	217.1	186.7	162.8	146.7	137.1	135.7
27.5°	409.8	367.1	324.3	282.0	242.9	209.3	180.3	159.6	150.0	148.6
30°	460.0	413.1	363.4	313.7	269.5	230.9	197.8	173.9	161.9	160.1
32.5°	509.2	455.8	401.1	345.9	297.6	252.5	213.9	188.1	173.4	171.6
35°	556.1	500.9	437.0	377.6	322.4	274.1	230.9	201.0	184.4	182.6
37.5°	602.1	539.5	472.4	407.1	347.3	292.5	246.5	213.0	194.6	192.7
40°	645.8	576.3	503.2	434.2	368.9	310.9	259.9	223.5	202.8	200.5
42.5°	679.4	608.1	531.7	457.2	387.8	324.7	271.8	231.8	209.3	206.1
45°	713.0	636.6	556.1	477.4	404.3	338.1	281.5	239.2	215.3	211.6
47.5°	740.6	661.0	575.9	494.0	418.1	349.6	289.8	244.2	218.9	215.3
50°	766.8	682.6	594.3	509.2	430.5	359.7	296.7	248.4	221.2	217.6
52.5°	787.0	700.5	609.0	521.1	440.7	367.1	302.2	251.1	222.6	218.5
55°	804.0	715.3	621.0	530.3	448.5	373.5	306.3	252.5	222.6	218.5
57.5°	818.3	726.8	630.6	538.6	454.5	377.6	309.1	253.0	221.2	217.1
60°	830.7	737.3	638.4	545.1	460.0	381.8	310.9	253.0	219.9	215.3
62.5°	840.8	744.7	644.4	550.1	464.1	385.0	311.9	252.1	217.1	212.5
65°	846.8	749.8	648.1	552.9	466.4	385.9	311.9	250.7	214.3	209.7
67.5°	*851.9*	*753.0*	*650.4*	*554.3*	*467.8*	*386.8*	*311.4*	*248.4*	*211.6*	*207.0*
70°	854.2	754.4	651.3	555.2	468.7	386.4	310.0	246.5	208.8	203.3
72.5°	854.6	754.8	650.9	555.2	468.7	386.4	308.6	243.8	205.6	200.5
75°	853.7	753.4	649.5	554.7	468.3	385.0	307.3	241.5	202.8	197.3
77.5°	850.9	750.7	647.2	552.9	466.0	383.6	304.5	238.7	199.6	194.6
80°	846.3	746.1	643.5	549.7	463.2	380.9	302.2	236.0	196.9	191.8
82.5°	839.4	740.1	638.9	545.5	460.4	377.6	299.4	233.2	194.1	189.0
85°	831.2	732.7	632.0	540.5	456.3	374.0	295.8	230.0	191.3	186.3
87.5°	819.7	723.5	624.6	534.5	450.8	369.4	291.6	227.2	189.0	184.0
90°	808.6	713.4	616.8	528.0	445.7	365.2	287.9	224.0	187.2	182.1
92.5°	795.7	701.5	607.2	520.7	438.8	359.7	284.3	221.2	185.4	180.8
95°	781.0	688.6	597.0	511.9	432.4	354.2	279.7	218.5	183.5	179.4
97.5°	764.5	674.8	586.0	502.7	424.6	348.2	275.5	216.2	182.6	178.0
100°	747.5	659.1	574.0	493.5	416.7	341.8	271.4	213.9	182.1	178.0
102.5°	728.1	644.9	562.1	484.3	408.9	335.8	267.2	212.5	182.1	178.0
105°	709.7	628.3	549.2	474.2	401.1	329.8	263.6	211.6	182.6	178.9
107.5°	690.0	612.7	536.3	463.7	392.4	323.8	260.3	210.7	183.5	179.8
110°	671.6	597.5	524.4	453.5	384.5	318.3	257.1	210.2	184.4	181.2

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

Scaled Data Report

REPORT NUMBER: P1223982
CATALOG NUMBER: FFX-CLB-50-727-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	651.3	580.9	511.0	442.5	376.3	311.9	253.9	209.3	185.4	182.6
115°	630.2	563.5	497.7	431.5	366.6	305.9	250.7	208.8	186.3	183.5
117.5°	607.2	544.6	481.6	418.6	356.5	298.5	246.1	207.0	186.3	183.5
120°	582.3	524.8	464.1	404.8	345.0	289.8	241.5	204.7	185.4	183.1
122.5°	555.2	501.4	443.9	387.3	332.1	279.7	234.6	200.5	183.1	180.8
125°	525.3	475.1	423.2	368.4	316.0	268.2	226.3	195.9	179.4	177.5
127.5°	494.0	448.0	398.3	348.7	300.8	255.7	217.6	189.0	174.3	172.5
130°	459.1	417.7	372.6	326.6	282.9	241.5	207.0	181.2	167.9	166.0
132.5°	425.5	387.8	347.3	306.3	264.0	227.7	195.5	172.5	161.0	159.1
135°	390.5	357.4	321.1	282.4	246.5	212.5	184.0	163.7	153.2	151.8
137.5°	356.5	328.4	294.4	260.3	228.6	197.8	172.9	155.5	145.8	144.9
140°	324.7	298.5	270.0	240.1	210.7	184.0	162.4	146.3	138.5	137.1
142.5°	293.9	271.4	245.6	220.3	193.2	170.6	151.8	137.5	131.1	130.2
145°	264.9	246.1	223.5	200.5	177.5	157.8	141.7	129.7	124.2	123.7
147.5°	237.8	222.2	202.4	183.1	163.7	147.2	132.5	123.3	118.2	117.8
150°	213.0	198.7	183.1	166.5	150.4	135.7	124.7	116.4	112.2	111.8
152.5°	189.5	178.5	165.6	152.3	138.5	127.0	116.8	110.9	107.6	107.2
155°	169.3	160.5	150.0	138.5	127.9	118.7	110.9	106.3	103.5	103.5
157.5°	152.3	144.9	137.1	127.9	119.1	111.8	106.3	102.1	99.8	99.8
160°	137.5	131.1	125.1	118.2	112.2	106.3	102.1	98.9	97.1	97.1
162.5°	125.1	120.5	115.9	110.9	105.8	102.1	98.4	96.1	95.2	94.8
165°	115.0	112.2	108.6	104.9	101.7	98.4	96.1	94.8	93.8	93.8
167.5°	107.2	105.3	102.6	100.3	98.0	95.7	94.3	93.4	92.9	92.9
170°	101.2	99.8	98.0	96.6	95.2	93.8	92.9	92.5	92.0	92.0
172.5°	96.6	95.2	94.3	93.8	92.9	92.5	92.0	91.5	91.5	91.5
175°	93.4	92.5	92.5	92.0	91.5	91.5	91.1	91.1	91.1	91.5
177.5°	91.1	91.1	91.1	91.1	91.1	91.5	91.5	91.5	92.0	92.0
180°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

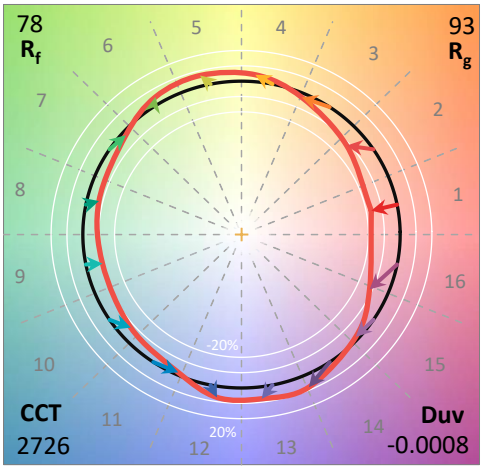
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

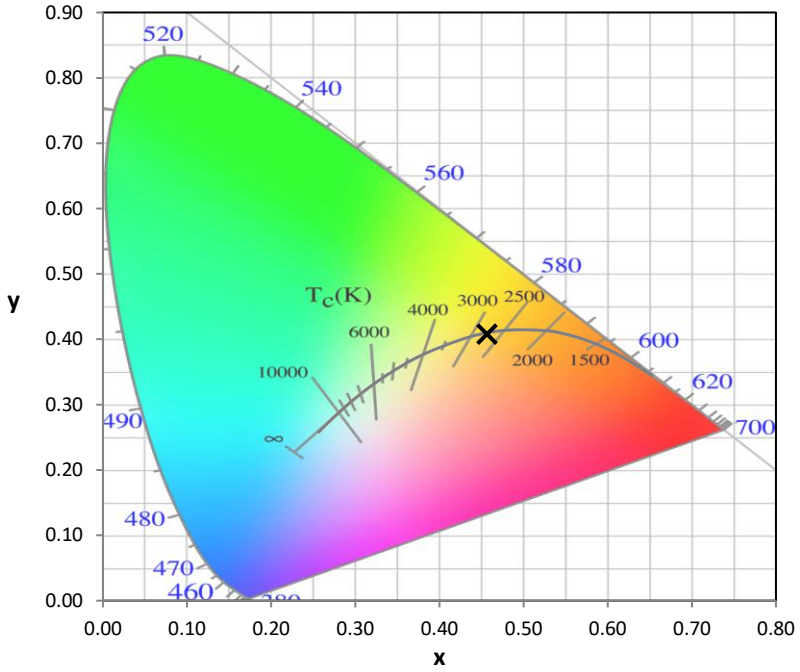
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

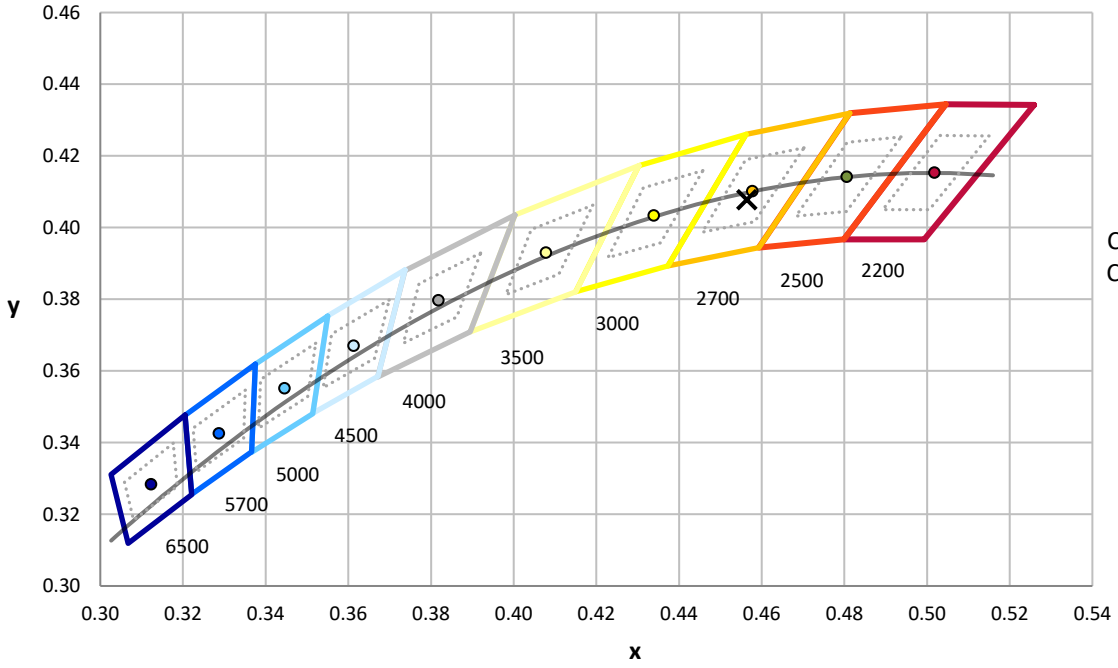
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

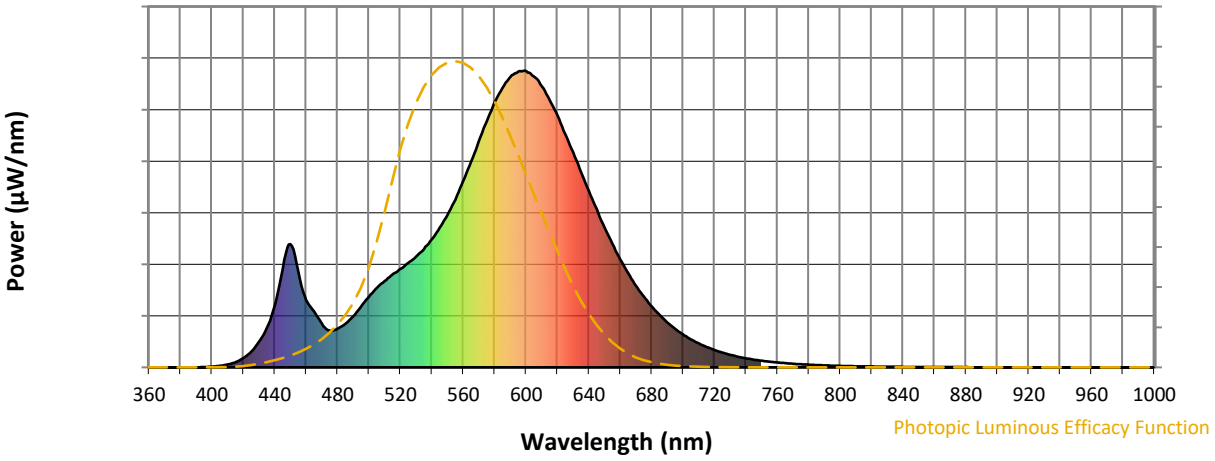


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

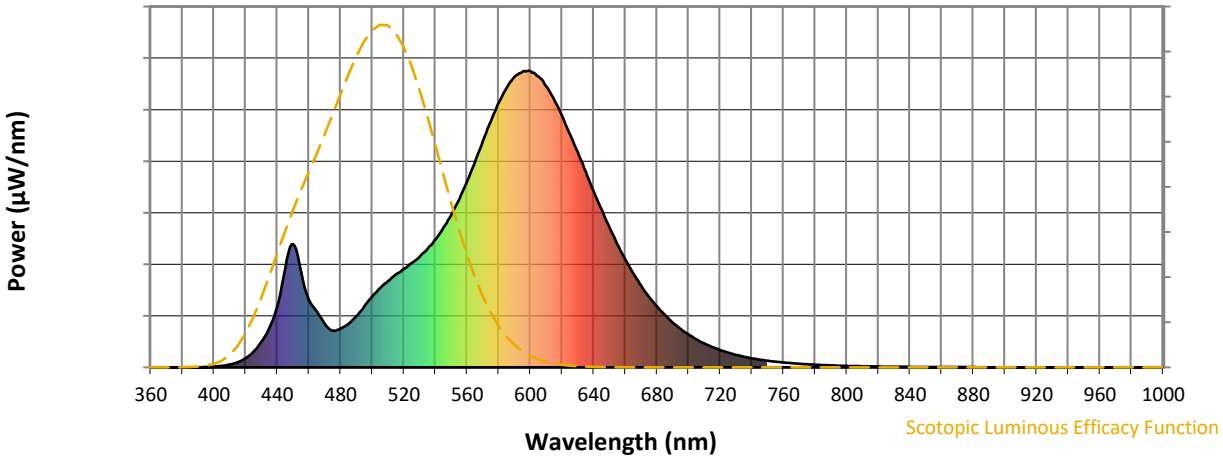


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

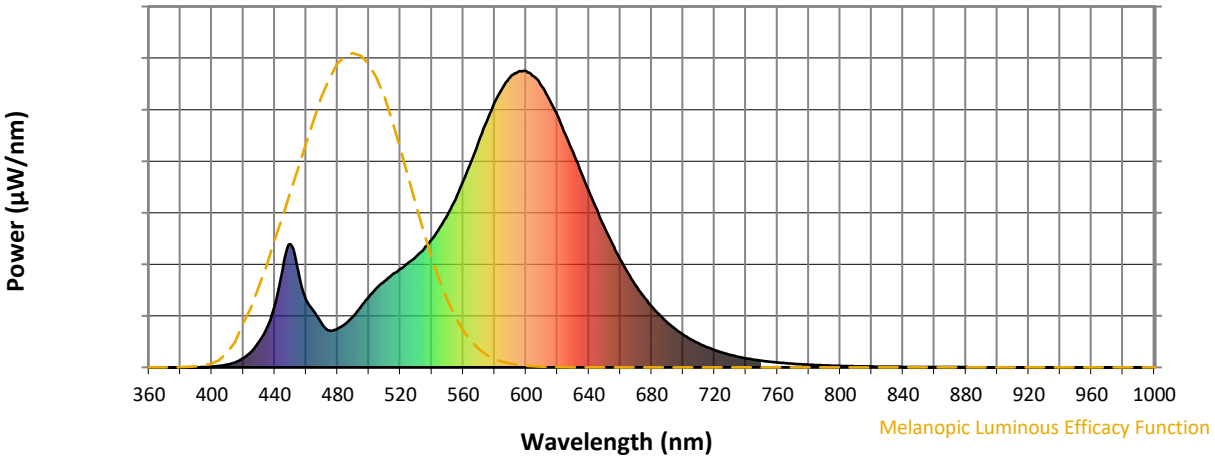


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

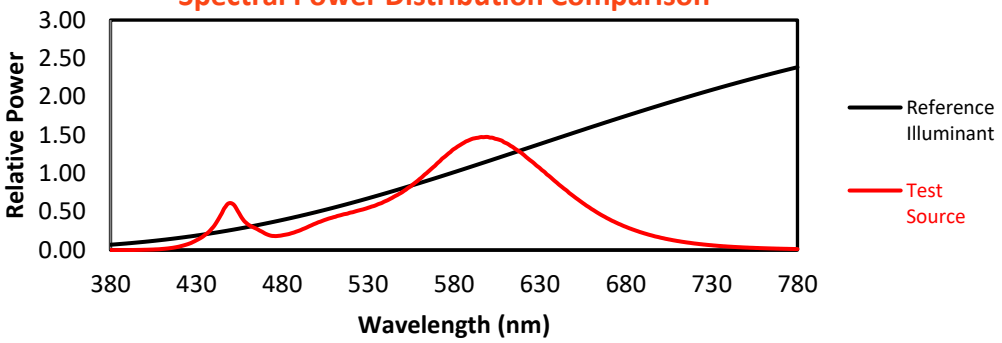
REPORT NUMBER: SP1-2501-332-3

TM-30-18

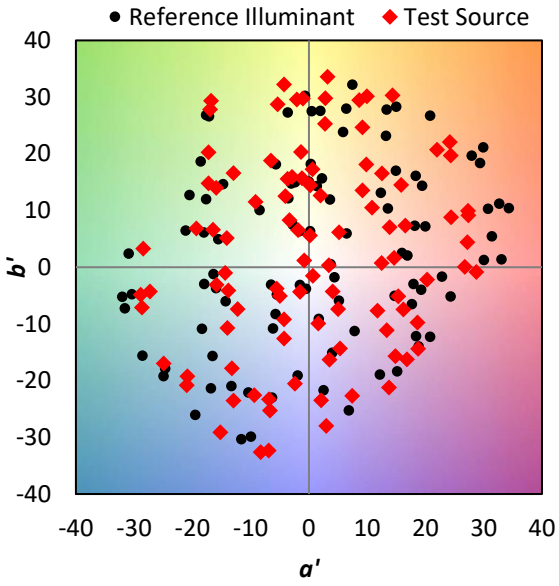
Summary

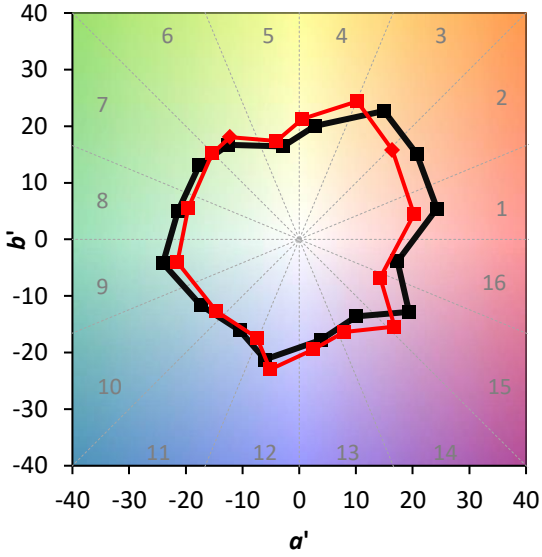
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

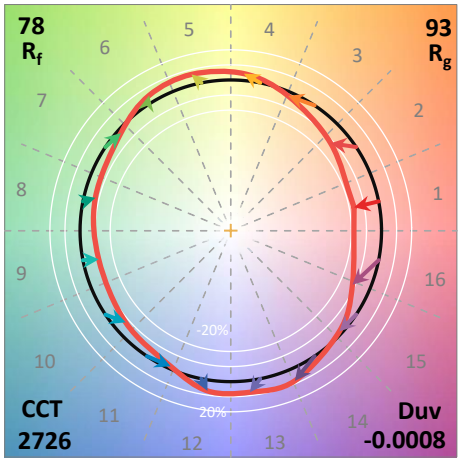
Spectral Power Distribution Comparison

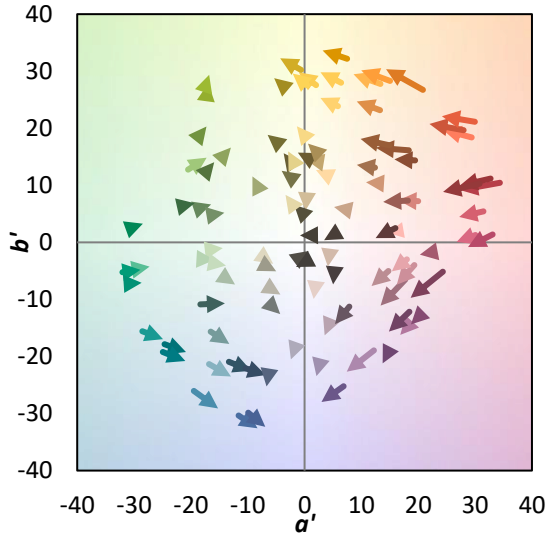


Color Vector Graphics







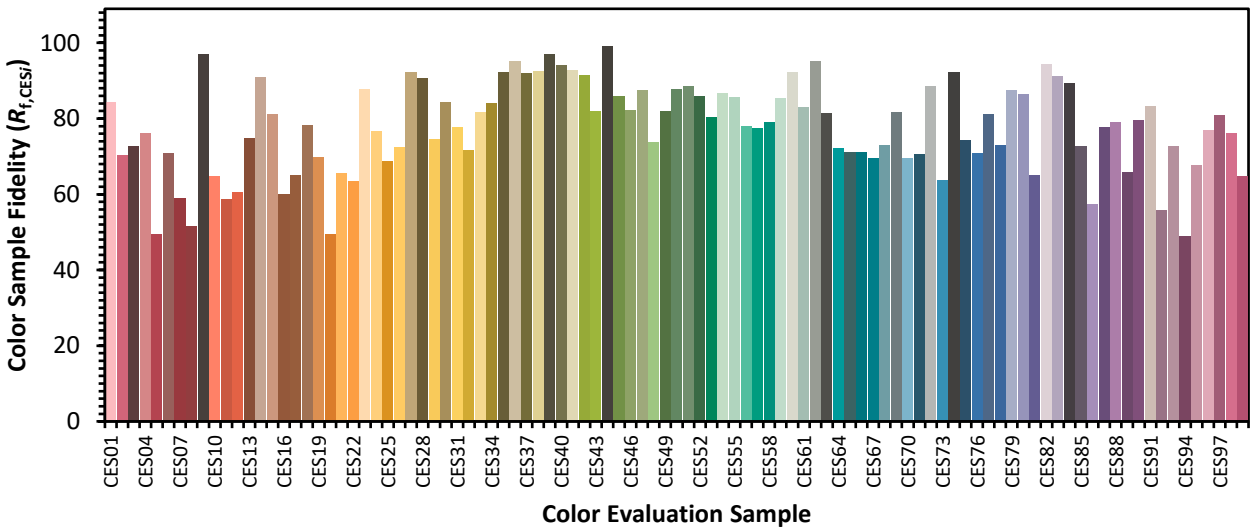


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

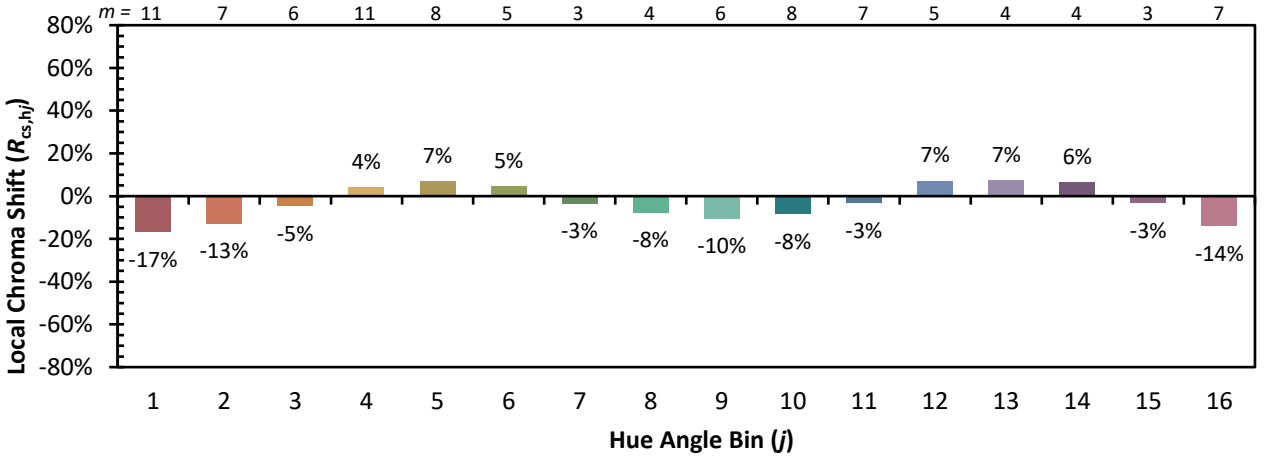
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

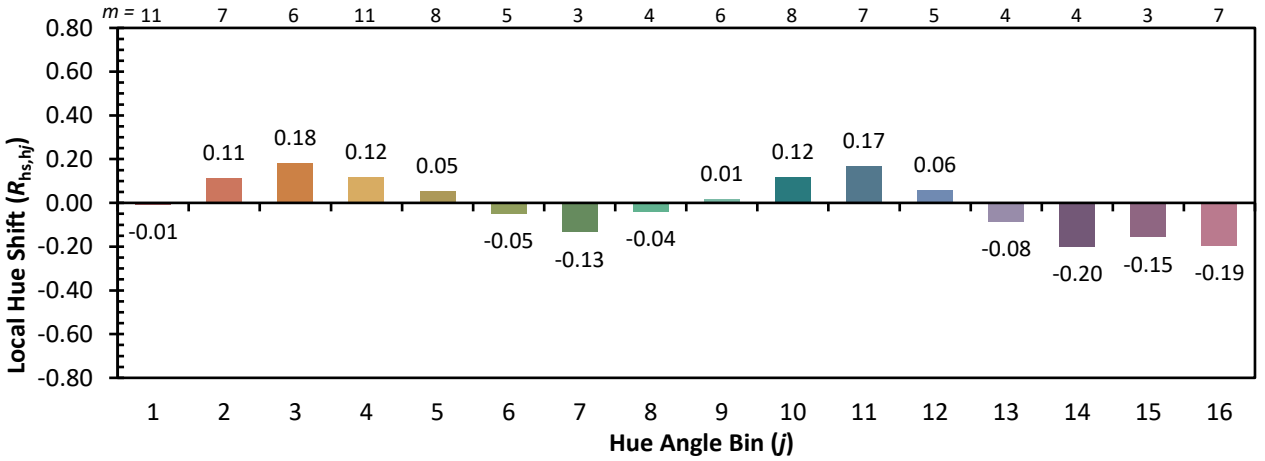


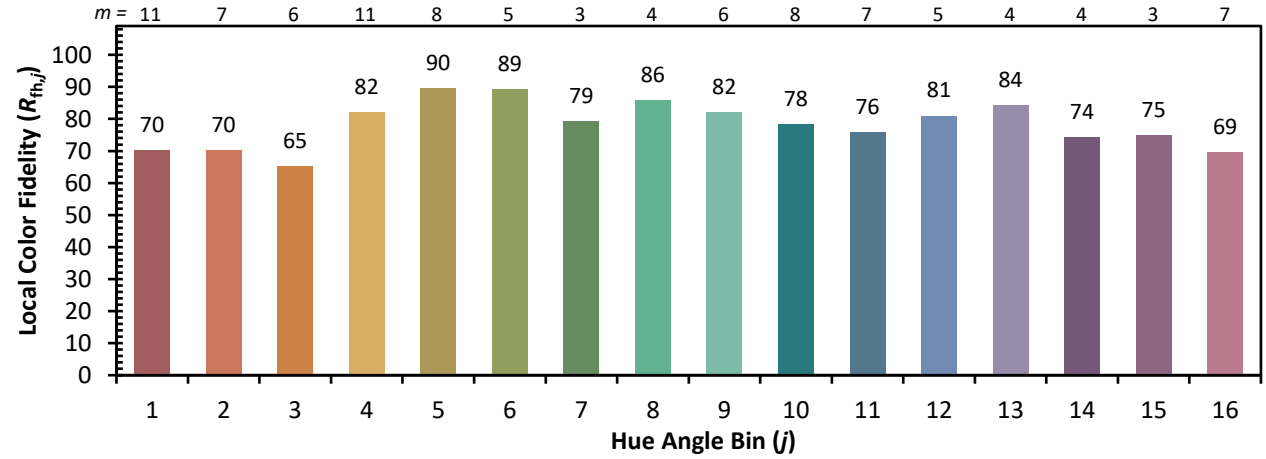
REPORT NUMBER: SP1-2501-332-3

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Color Rendition by Hue-Angle Bin



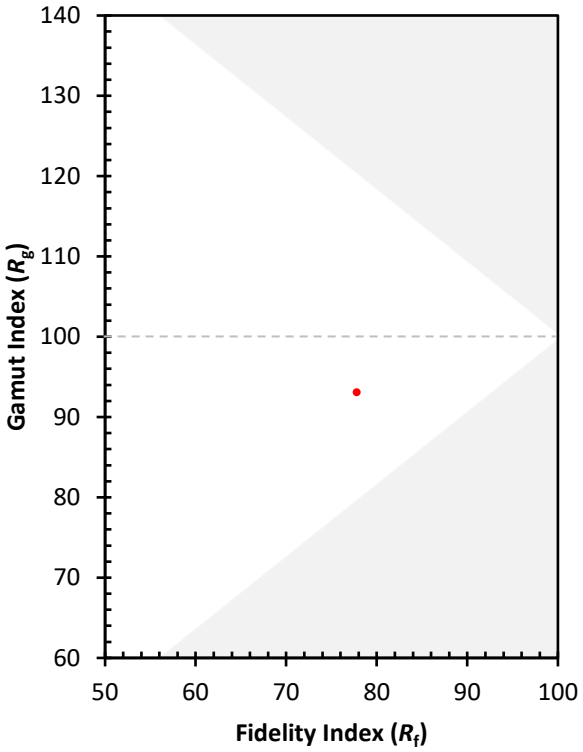


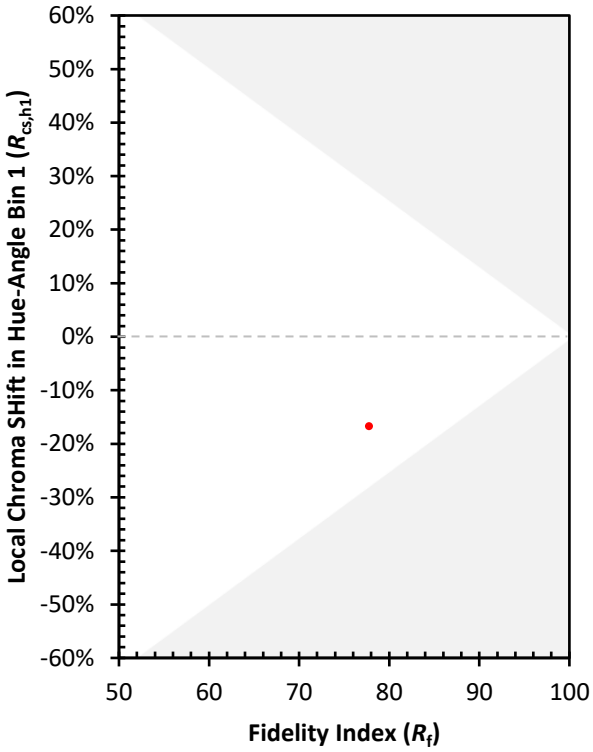


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Measure Comparisons





(END OF REPORT)