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: P1045981

Luminaire Tested: **FFX-CLB-40-730-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045981
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-730-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4326.7 lumens
Efficiency:	N/A
Efficacy:	109.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
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

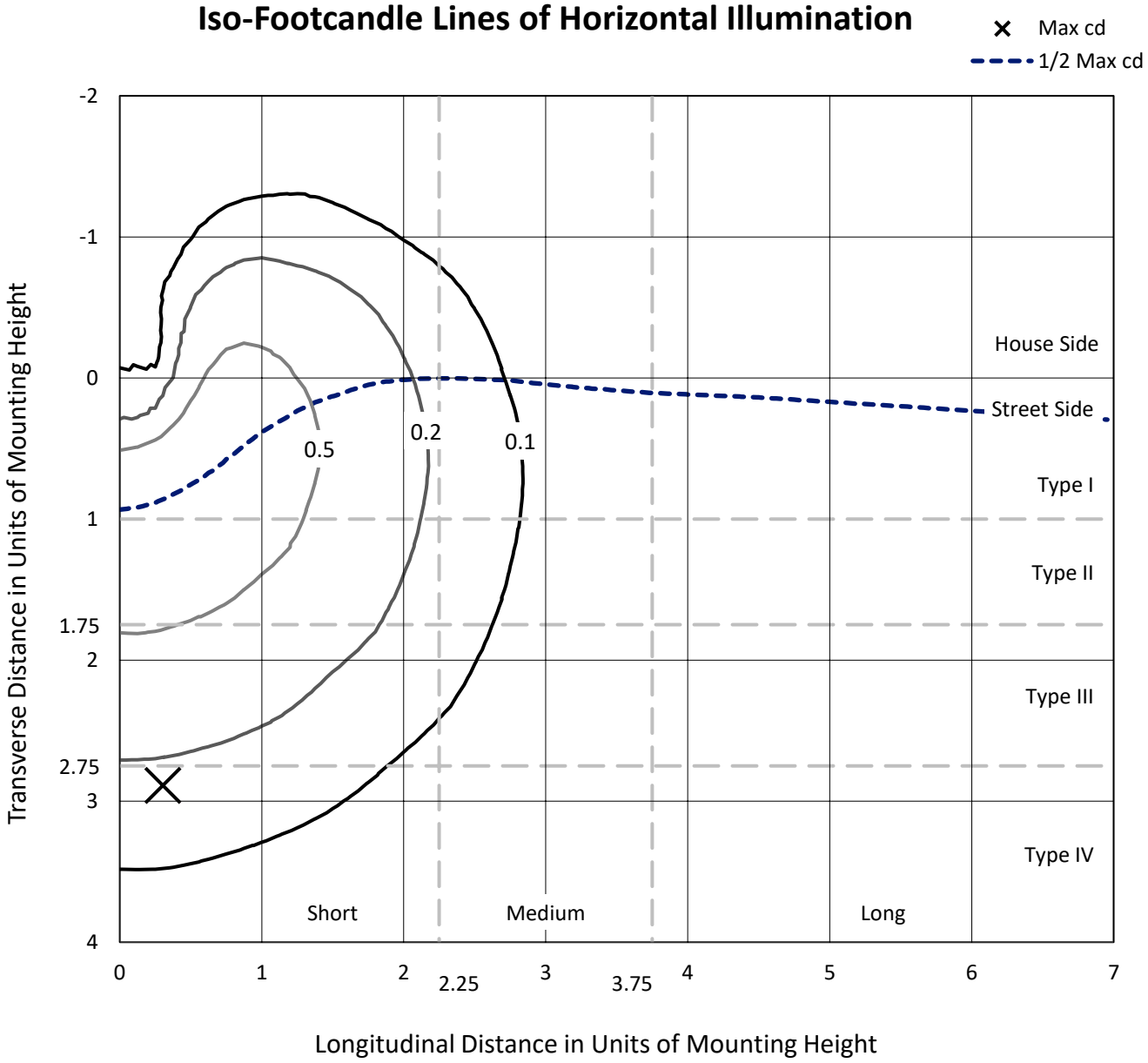


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Iso-Footcandle Lines of Horizontal Illumination



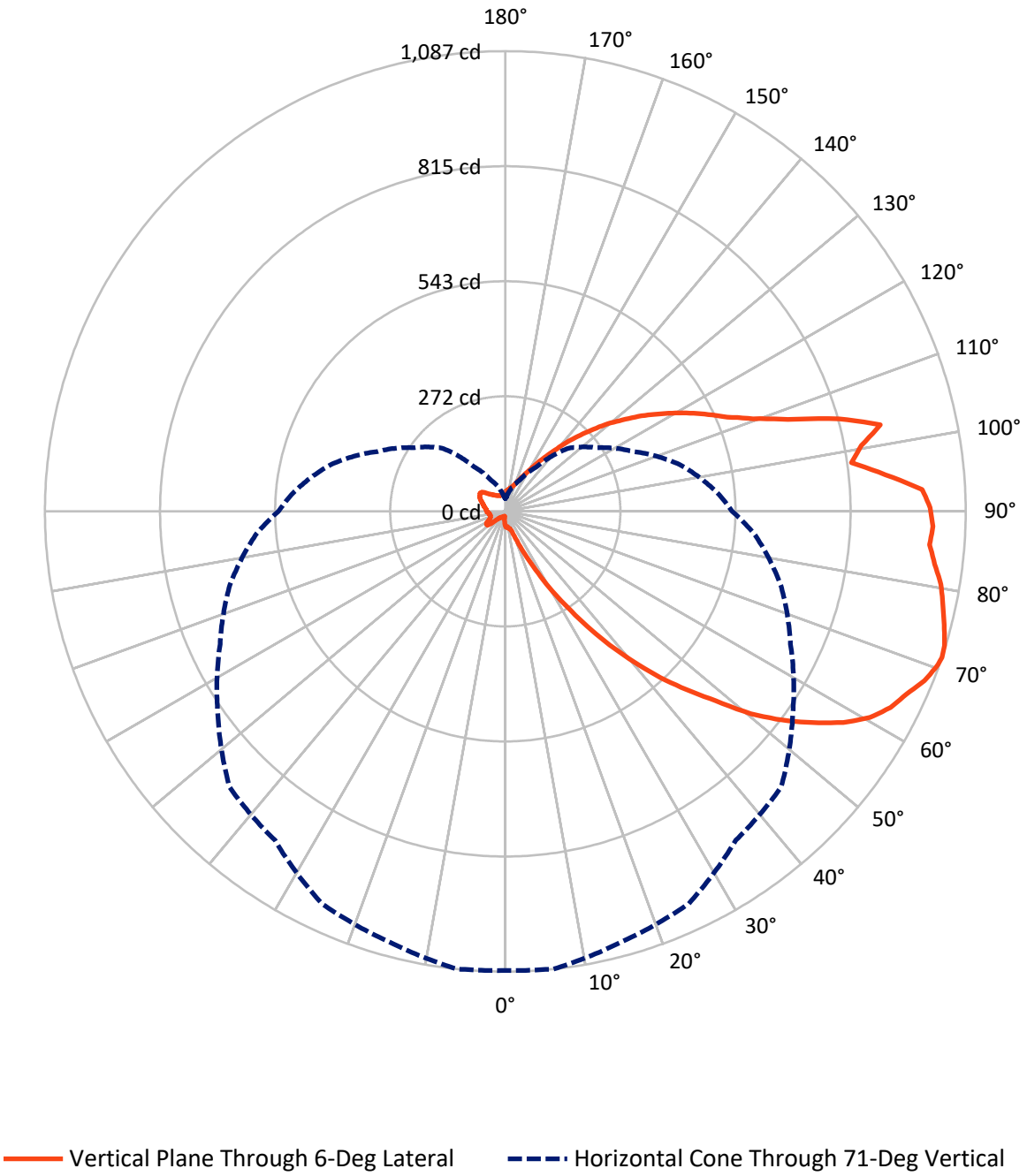
Based on 15 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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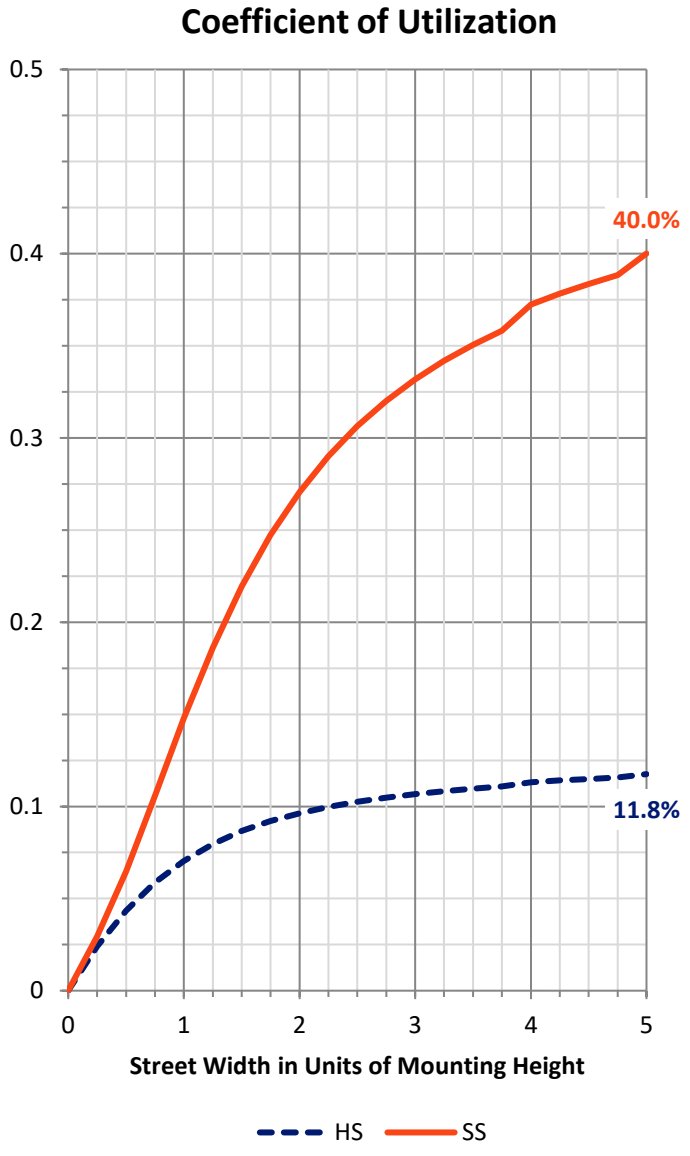
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	555.6	440.6	996.2
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	2026.7	1303.8	3330.5
	% Fixture	46.8	30.1	77.0
Total	Lumens	2582.3	1744.4	4326.7
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	9.0	0.2
20°-30°	41.1	0.9
30°-40°	137.4	3.2
40°-50°	280.0	6.5
50°-60°	430.7	10.0
60°-70°	536.0	12.4
70°-80°	573.2	13.2
80°-90°	572.2	13.2
90°-100°	517.1	12.0
100°-110°	452.3	10.5
110°-120°	308.3	7.1
120°-130°	217.8	5.0
130°-140°	132.0	3.1
140°-150°	66.9	1.5
150°-160°	31.2	0.7
160°-170°	14.3	0.3
170°-180°	4.4	0.1
0°-90°	2582.3	59.7
0°-180°	4326.7	100.0



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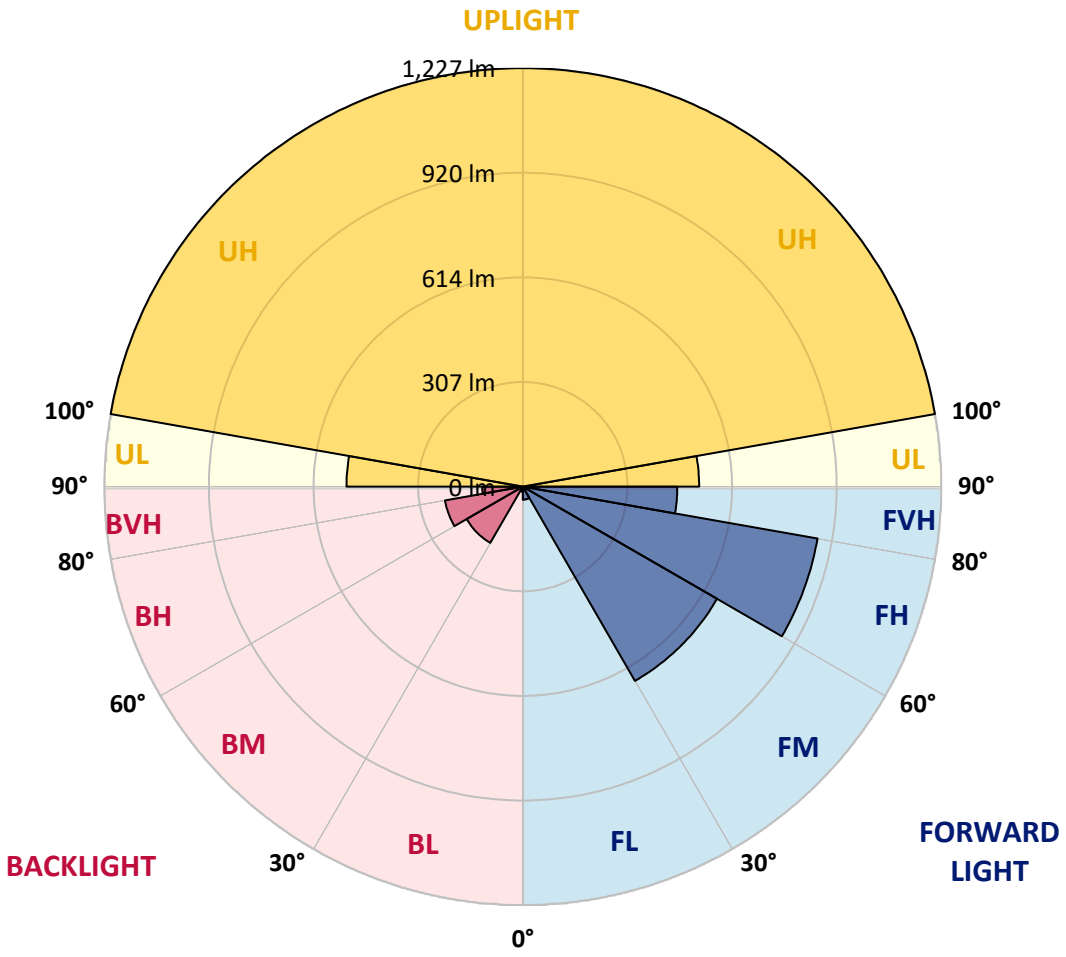
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	38.3	0.9			
FM	(30°-60°)	657.8	15.2			
FH	(60°-80°)	877.6	20.3			G1/1800
FVH	(80°-90°)	453.1	10.5			G3/500
BL	(0°-30°)	14.7	0.3	B0/110		
BM	(30°-60°)	190.3	4.4	B0/220		
BH	(60°-80°)	231.6	5.4	B1/500		G1/500
BVH	(80°-90°)	119.0	2.8			G2/225
UL	(90°-100°)	517.1	12.0		U4/1000	
UH	(100°-180°)	1227.3	28.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2.5°	38.1	38.1	38.1	38.1	38.1	38.1	37.6	36.6	36.2	35.7	35.2
5°	36.2	36.2	36.2	36.2	36.2	36.2	36.2	35.7	35.2	34.3	33.4
7.5°	36.2	36.2	36.2	36.2	35.7	35.2	34.8	34.3	33.8	32.0	30.1
10°	39.5	39.9	39.5	39.5	38.1	36.6	35.7	34.3	33.4	32.4	30.1
12.5°	41.8	41.8	41.8	41.3	40.4	39.5	37.6	35.2	33.4	31.5	29.6
15°	43.2	43.2	43.2	43.2	42.3	40.9	39.5	37.6	35.7	33.4	31.0
17.5°	48.9	48.9	48.9	48.4	47.5	46.5	45.6	44.6	43.2	40.9	38.5
20°	64.4	65.8	65.3	63.9	63.0	62.0	62.5	61.6	60.6	57.3	53.6
22.5°	89.3	91.2	90.7	91.2	89.7	88.8	88.3	89.3	87.4	82.7	75.6
25°	125.5	125.5	124.0	127.8	128.3	123.6	124.5	124.0	122.6	114.2	102.9
27.5°	165.9	164.9	164.5	170.6	171.5	169.6	171.5	168.2	163.5	154.1	140.0
30°	212.8	216.6	218.5	219.4	222.2	224.1	226.5	223.7	211.0	199.7	180.0
32.5°	272.5	270.2	269.7	279.6	284.7	285.2	290.8	282.9	268.8	247.6	221.8
35°	338.3	332.7	333.6	339.7	348.2	354.3	358.5	343.0	328.4	300.7	266.9
37.5°	400.3	400.8	400.3	402.7	418.6	420.5	421.5	404.1	382.9	354.3	312.0
40°	463.8	464.7	467.0	474.6	491.5	488.2	480.7	465.2	437.9	405.5	355.7
42.5°	529.1	535.2	536.6	540.3	552.1	551.1	538.5	521.1	489.6	449.2	393.3
45°	599.1	598.1	600.5	605.7	615.0	615.0	592.5	567.1	532.8	487.2	427.1
47.5°	665.3	672.4	668.1	680.8	676.1	679.4	640.9	609.9	572.3	518.3	455.3
50°	749.0	752.7	751.3	749.9	735.8	735.8	696.3	654.5	612.2	548.3	483.5
52.5°	819.9	821.3	819.0	813.3	793.6	787.0	740.5	692.1	647.5	583.6	510.7
55°	885.7	876.3	880.5	871.6	840.6	833.5	789.4	720.8	678.5	608.9	534.2
57.5°	934.1	939.3	940.7	921.4	890.4	861.7	832.1	755.1	702.0	632.9	549.7
60°	975.4	989.5	988.6	959.5	932.2	881.0	864.5	785.1	717.5	654.0	566.7
62.5°	1006.4	1021.5	1020.5	997.0	972.6	900.7	882.4	803.0	726.9	664.9	579.3
65°	1037.0	1044.0	1040.7	1031.3	1002.2	919.1	899.3	811.0	734.9	669.6	584.0
67.5°	1068.0	1067.5	1067.1	1053.9	1022.4	936.0	912.9	822.7	742.9	674.7	587.3
70°	1083.5	1084.4	1084.0	1056.2	1027.1	947.2	920.5	828.8	744.7	674.7	590.1
71°	1084.4	1085.9	1086.8	1053.4	1022.9	948.2	920.9	828.8	742.9	673.3	588.7
72.5°	1077.9	1084.9	1084.0	1046.4	1016.8	946.8	917.6	825.1	740.0	667.7	584.5
75°	1063.3	1076.0	1070.3	1032.3	1001.3	937.4	908.7	821.3	733.0	660.2	580.7
77.5°	1050.6	1065.2	1055.8	1020.5	992.8	930.8	904.0	822.3	727.8	655.5	579.3
80°	1042.2	1050.1	1042.6	1013.5	985.8	923.3	900.7	822.7	726.4	653.1	575.1
82.5°	1029.5	1026.2	1021.0	998.0	969.8	909.7	887.6	815.2	723.1	648.4	570.4
85°	1018.2	1004.6	1004.6	983.9	955.2	898.8	872.1	806.3	717.5	643.7	564.8
87.5°	1024.8	1006.4	1010.2	990.5	959.0	900.3	869.2	805.3	719.8	644.7	561.5
90°	1018.2	1000.8	1002.7	982.0	945.4	885.7	848.1	786.5	704.8	631.5	549.7
92.5°	1006.9	988.6	985.8	964.6	927.5	871.1	831.7	774.3	693.0	621.2	545.5
95°	920.0	906.8	901.2	886.2	857.5	808.2	777.2	722.2	641.4	575.6	510.3
97.5°	830.7	833.1	825.1	807.2	775.7	737.2	702.9	650.3	582.2	525.3	461.9
100°	866.0	862.7	854.7	830.7	797.8	754.6	714.2	663.4	597.2	546.0	476.0
102.5°	904.5	912.0	908.7	878.6	841.5	806.8	776.2	725.5	652.6	598.6	523.9
105°	799.2	814.3	817.6	794.1	766.8	737.7	710.9	675.2	612.2	556.8	498.1
107.5°	696.8	699.2	701.5	683.6	670.0	644.2	617.4	585.0	537.1	494.8	437.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	625.9	628.2	*624.4*	616.9	602.8	583.1	553.5	530.9	489.1	453.4	401.3
112.5°	569.5	571.8	*569.0*	559.6	546.9	531.4	500.4	481.6	445.9	412.5	365.6
115°	533.3	536.1	*531.4*	521.5	510.7	502.3	475.5	447.8	415.4	385.8	345.3
117.5°	499.0	504.6	*493.8*	491.0	483.0	474.6	444.0	419.6	391.4	364.6	332.2
120°	461.4	466.1	*457.2*	453.9	449.2	440.7	412.1	390.0	367.4	343.5	312.5
122.5°	431.3	424.8	*420.5*	420.5	414.9	409.2	379.6	361.3	343.5	323.3	291.3
125°	397.0	388.1	*386.2*	389.5	382.5	374.9	351.5	335.0	321.4	301.2	269.7
127.5°	358.5	350.0	*350.0*	351.5	347.2	339.7	324.2	310.6	302.1	280.5	249.0
130°	322.3	317.6	*318.6*	315.3	311.0	304.9	293.7	283.8	276.7	255.1	232.6
132.5°	279.1	284.3	*284.3*	278.6	277.7	273.0	264.1	259.4	248.6	230.7	211.9
135°	248.6	252.8	*252.3*	247.1	246.7	243.9	237.3	233.1	222.7	207.7	192.2
137.5°	222.7	222.7	*221.8*	218.5	216.6	216.1	210.0	205.8	195.9	185.6	172.9
140°	197.3	193.1	*191.7*	192.2	189.4	188.9	183.7	178.5	173.8	164.0	153.6
142.5°	171.0	168.2	*166.8*	164.9	164.0	162.6	159.3	155.1	150.4	143.8	134.4
145°	146.1	146.1	*145.2*	143.3	143.3	141.4	138.1	135.8	131.6	124.5	117.0
147.5°	126.9	125.5	*125.5*	125.0	123.6	122.6	119.8	116.5	113.7	108.1	101.0
150°	109.0	109.0	*108.1*	109.0	108.1	106.7	104.8	102.0	98.7	94.4	88.8
152.5°	94.9	95.4	*94.4*	95.9	94.9	94.0	91.6	89.7	86.0	82.2	78.5
155°	84.6	85.0	*84.6*	84.1	84.1	82.7	81.8	78.9	76.6	73.3	70.0
157.5°	75.2	75.6	*75.6*	75.6	75.6	74.2	72.4	70.5	68.6	65.8	63.0
160°	69.1	68.6	*68.6*	68.1	67.7	67.2	65.8	63.9	62.5	60.1	57.8
162.5°	63.0	63.0	*63.0*	62.5	62.0	61.6	60.6	58.7	57.3	55.4	53.6
165°	58.7	58.7	*58.7*	58.7	57.8	57.3	56.4	55.0	54.0	52.2	50.3
167.5°	55.9	55.9	*55.9*	55.4	55.0	54.5	54.0	52.6	51.7	50.3	48.9
170°	53.6	53.6	*53.6*	53.6	53.1	52.2	51.7	50.7	49.8	48.9	47.5
172.5°	51.2	51.2	*51.2*	51.2	50.7	50.7	50.3	49.3	48.9	47.5	47.0
175°	49.3	49.3	*49.3*	49.3	48.9	48.9	48.4	47.9	47.5	47.0	46.0
177.5°	47.9	47.9	*47.9*	47.9	47.5	47.5	47.5	47.0	46.5	46.0	46.0
180°	46.0	46.0	*46.0*	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2.5°	35.2	35.2	34.3	33.8	33.4	32.4	31.5	30.1	30.1	30.1	29.6
5°	32.9	32.4	31.5	30.1	29.6	29.1	28.2	26.3	24.0	22.1	22.1
7.5°	30.5	28.2	25.8	24.9	23.5	21.1	18.8	16.0	12.7	12.2	12.2
10°	28.7	27.3	24.4	22.1	19.7	19.3	17.4	14.6	13.2	11.7	11.7
12.5°	28.2	27.3	24.0	21.1	18.3	16.9	15.5	14.1	12.7	11.7	11.7
15°	29.6	28.7	25.4	22.1	18.8	16.9	15.0	13.6	13.2	12.7	12.7
17.5°	37.1	35.7	31.0	25.8	21.6	18.8	16.4	15.0	14.6	14.1	14.1
20°	50.3	47.9	41.3	34.3	27.7	21.6	18.3	16.0	15.5	15.0	15.0
22.5°	71.4	67.2	55.9	45.1	35.2	27.3	21.1	16.9	15.5	15.0	15.0
25°	97.3	91.6	75.2	59.2	44.6	34.8	25.8	19.3	15.5	14.6	14.6
27.5°	131.6	121.7	99.6	79.4	59.7	44.2	32.4	23.0	16.9	14.6	14.1
30°	167.7	155.5	127.3	100.6	75.6	55.4	39.9	27.7	19.3	14.6	14.1
32.5°	207.2	190.8	159.8	126.4	94.0	68.6	48.9	32.4	22.1	15.5	14.6
35°	247.6	229.3	190.8	153.6	112.8	81.8	58.3	37.6	24.0	16.4	15.5
37.5°	288.5	267.8	226.0	178.1	131.1	95.4	67.7	43.2	25.8	17.4	16.4
40°	329.4	304.5	258.4	201.1	148.9	109.0	76.6	47.9	27.3	18.8	18.3
42.5°	361.3	336.0	285.2	220.4	167.7	121.2	85.5	51.7	28.7	21.1	20.2
45°	390.5	363.7	307.8	237.8	182.3	135.8	95.9	57.8	31.5	24.0	23.0
47.5°	420.1	393.7	331.3	254.7	196.4	150.4	108.1	64.4	39.0	31.0	30.5
50°	445.9	416.8	356.6	277.7	214.3	164.0	120.8	72.4	46.0	45.1	45.6
52.5°	470.8	441.7	378.2	294.6	226.5	180.4	133.0	75.6	52.2	53.1	54.0
55°	498.5	464.7	395.6	307.8	233.5	191.2	140.0	78.5	57.8	54.0	53.1
57.5°	517.3	478.3	409.7	322.3	241.0	197.8	140.5	81.8	62.5	52.2	50.7
60°	530.0	485.8	417.2	330.3	251.4	203.9	139.1	82.2	65.3	47.9	43.7
62.5°	538.5	495.7	423.8	332.2	259.4	208.6	138.6	80.3	64.4	42.8	39.5
65°	542.2	504.2	429.9	333.1	260.8	211.9	138.6	79.4	63.0	37.6	33.8
67.5°	542.2	507.0	432.3	335.0	259.8	212.8	134.4	82.2	61.1	35.7	31.0
70°	539.4	505.6	429.0	334.5	261.7	211.9	129.7	82.2	58.3	35.7	29.6
71°	*535.6*	*502.8*	*426.6*	*334.1*	*262.2*	*211.0*	*127.8*	*81.8*	*56.9*	*34.8*	*30.1*
72.5°	530.5	498.5	422.4	333.1	260.8	208.1	124.0	82.2	55.4	34.3	30.5
75°	524.8	495.2	419.1	329.4	260.3	203.9	117.5	80.8	55.0	34.8	31.5
77.5°	523.0	495.7	417.2	328.4	260.3	201.6	112.8	79.9	54.0	35.2	33.4
80°	518.7	494.8	413.5	326.1	259.4	197.3	111.4	79.9	53.1	35.7	34.3
82.5°	514.5	492.4	410.2	323.7	258.0	191.7	109.9	79.4	52.2	37.1	36.2
85°	510.7	491.9	410.2	322.3	257.5	188.4	109.5	78.9	51.7	38.5	37.6
87.5°	510.7	494.3	414.4	326.1	261.7	188.4	111.4	79.9	52.2	40.4	39.9
90°	501.3	484.0	407.8	323.7	263.1	188.9	113.2	82.2	54.0	42.3	41.3
92.5°	498.5	479.3	406.0	326.1	265.0	188.9	115.6	84.6	55.4	43.2	42.3
95°	467.5	445.9	382.0	309.6	253.3	183.7	116.5	84.1	56.4	43.7	43.2
97.5°	424.3	400.8	340.7	275.3	224.1	164.9	106.2	78.9	55.9	45.1	44.2
100°	438.9	411.1	348.2	280.0	220.4	161.6	104.3	76.6	57.3	47.0	46.0
102.5°	479.3	449.2	382.9	310.1	240.1	178.5	116.5	81.3	60.1	49.3	47.9
105°	455.3	421.9	369.8	300.2	234.0	178.5	117.0	82.7	63.0	51.2	50.3
107.5°	402.2	371.2	325.6	267.4	214.3	164.9	110.9	80.3	65.3	53.6	52.2

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

Scaled Data Report

REPORT NUMBER: P1045981
CATALOG NUMBER: FFX-CLB-40-730-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	371.7	338.3	296.5	243.9	199.2	153.2	106.7	78.9	66.7	56.4	54.5
112.5°	339.2	310.6	270.2	224.1	185.6	141.4	103.8	78.5	67.7	59.2	57.3
115°	320.9	291.3	256.5	211.9	176.7	137.7	102.9	80.8	70.9	63.0	61.1
117.5°	304.9	280.5	249.5	202.5	170.6	136.3	104.8	83.6	73.3	66.3	63.9
120°	288.5	265.9	237.8	195.0	165.4	131.6	105.2	85.0	75.2	69.1	67.7
122.5°	278.6	253.3	225.5	188.4	159.3	128.3	104.8	86.9	75.6	70.5	70.5
125°	260.3	240.1	212.4	180.0	150.4	126.4	104.8	86.0	77.1	72.4	71.4
127.5°	240.1	226.9	199.2	170.6	144.2	121.7	102.0	86.0	76.6	72.4	72.4
130°	221.3	209.6	187.0	157.9	138.6	115.1	97.7	81.8	73.8	70.9	70.9
132.5°	200.2	192.6	171.5	145.7	127.3	107.1	92.1	75.6	69.1	66.7	66.7
135°	180.9	173.8	154.1	132.5	116.1	99.6	85.5	71.4	63.4	60.6	60.6
137.5°	163.0	156.5	139.1	120.8	105.7	92.1	78.9	67.2	59.2	55.9	56.4
140°	144.7	136.7	125.0	109.5	95.9	85.0	72.4	63.0	55.4	52.6	52.2
142.5°	128.3	122.2	111.4	98.2	86.5	78.0	66.7	58.7	52.6	49.8	49.3
145°	113.2	108.1	98.7	87.9	78.5	70.5	61.6	55.0	49.8	47.5	47.0
147.5°	97.3	94.0	86.9	78.5	70.5	63.4	57.3	51.2	47.9	45.1	44.6
150°	85.5	83.2	77.5	70.5	64.4	58.7	54.0	48.4	45.6	43.7	43.2
152.5°	76.1	73.8	69.1	63.9	58.7	54.5	50.3	46.5	43.7	42.3	41.8
155°	68.1	66.3	62.5	58.3	54.0	50.3	47.0	44.2	42.3	40.9	40.9
157.5°	62.0	60.1	57.3	53.6	50.3	47.0	44.6	42.3	41.3	39.9	39.9
160°	56.9	55.4	53.1	49.8	47.0	44.6	42.8	40.9	40.4	39.5	39.5
162.5°	52.6	51.7	49.3	47.0	45.1	43.2	41.8	40.4	39.5	39.0	39.0
165°	49.8	48.9	47.5	45.6	43.7	42.3	41.3	39.9	39.5	39.5	39.0
167.5°	48.4	47.5	46.0	44.2	42.8	42.3	41.3	40.4	39.9	39.9	39.5
170°	47.0	46.5	45.6	44.2	42.8	42.3	41.8	40.9	40.9	40.4	40.4
172.5°	46.5	46.0	45.1	44.2	43.2	42.8	42.3	41.8	41.8	41.8	41.3
175°	46.0	46.0	45.1	44.2	43.7	43.7	43.2	42.8	42.8	42.8	42.8
177.5°	46.0	45.6	45.6	45.1	44.6	44.6	44.6	44.2	44.2	44.2	44.2
180°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0

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: SP1-2501-332-9

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-730-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

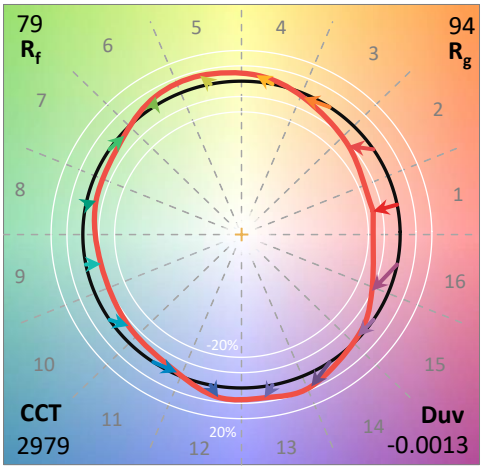
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-9
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-20-730-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	2979
CIE u':	0.2518
CIE v':	0.5199
Duv:	-0.0013
CIE x:	0.4365
CIE y:	0.4006
CIE z:	0.1630
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	583
Purity:	51.24251
Rf:	79.2
Rg:	94.4

CRI (Ra):	75.1				
R1:	72.0	R9:	-26.5
R2:	87.0	R10:	72.2
R3:	93.5	R11:	69.1
R4:	71.3	R12:	66.7
R5:	73.0	R13:	75.2
R6:	83.8	R14:	96.7
R7:	76.4	R15:	63.2
R8:	44.1		



Test Conditions

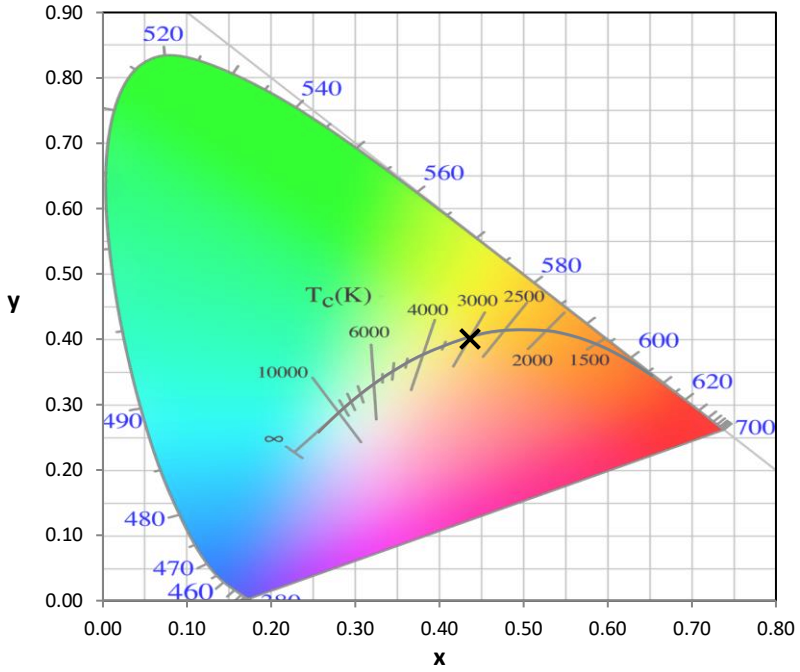
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

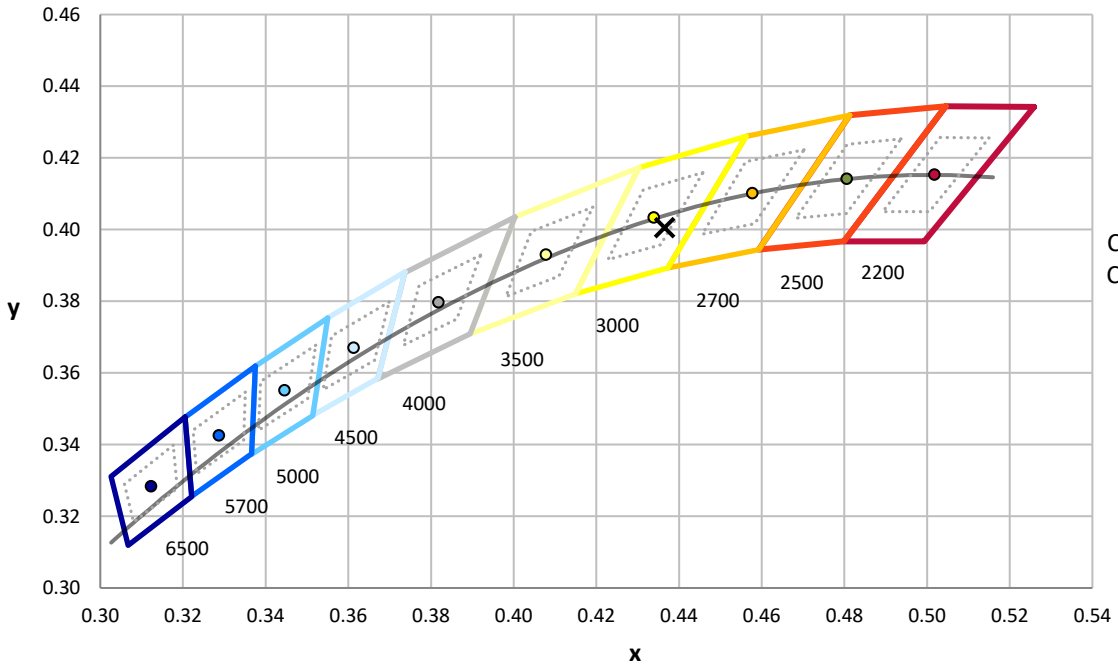
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-9

CIE 1931 Chromaticity Diagram



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

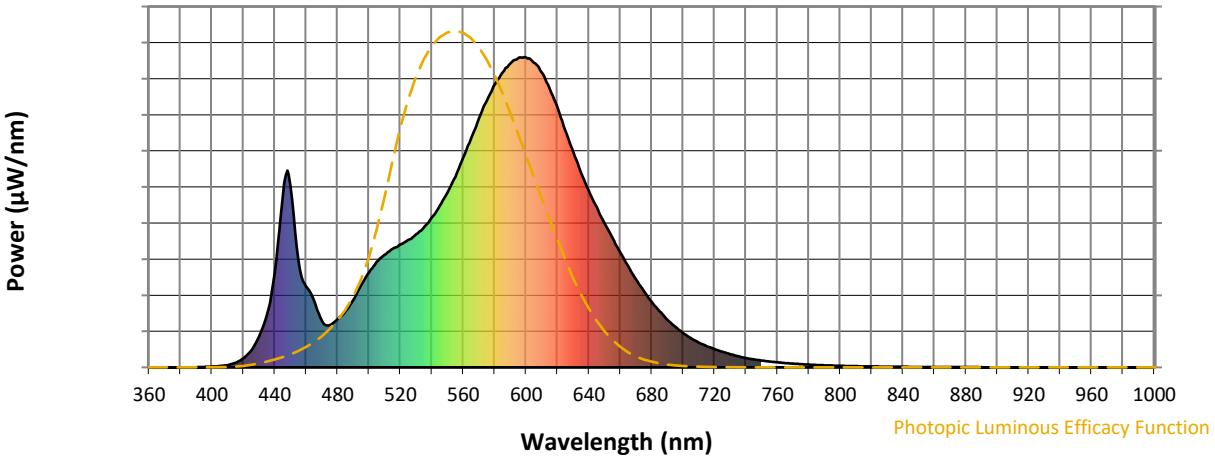


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

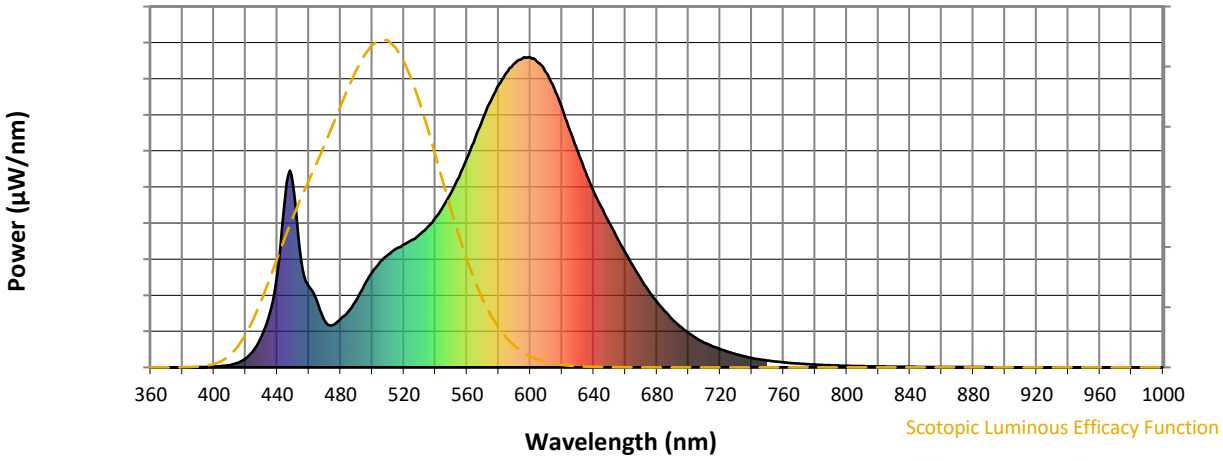


Photopic Lumens: NR

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Scotopic Flux vs. Wavelength

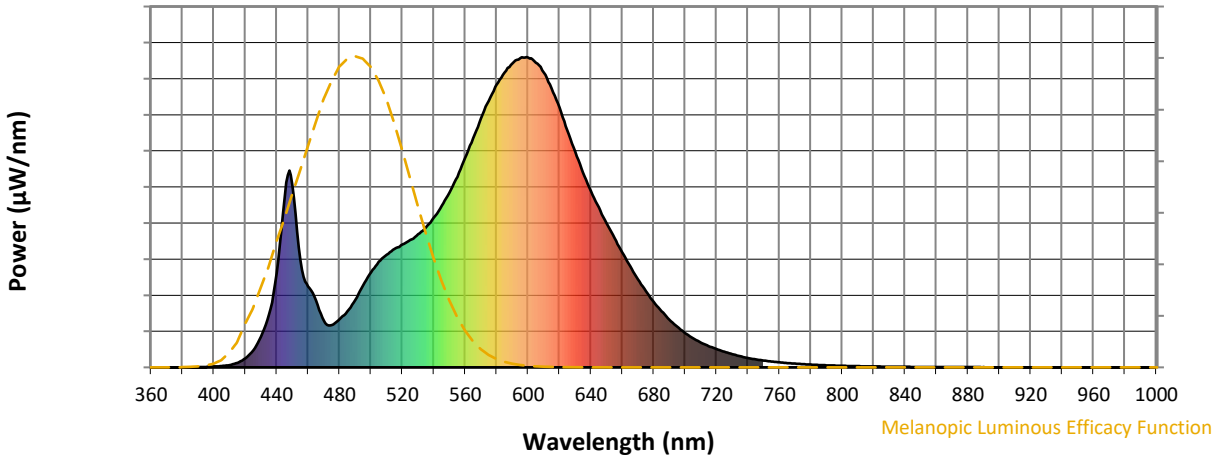


Scotopic Lumens: NR **S/P: 1.29**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

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	217	NR	620	838	NR	750	22	NR	880	1	NR
365	0	NR	495	264	NR	625	764	NR	755	19	NR	885	1	NR
370	0	NR	500	306	NR	630	696	NR	760	16	NR	890	1	NR
375	0	NR	505	340	NR	635	629	NR	765	14	NR	895	0	NR
380	0	NR	510	363	NR	640	568	NR	770	12	NR	900	0	NR
385	0	NR	515	382	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	396	NR	650	465	NR	780	9	NR	910	0	NR
395	2	NR	525	411	NR	655	417	NR	785	8	NR	915	0	NR
400	3	NR	530	429	NR	660	370	NR	790	7	NR	920	0	NR
405	4	NR	535	452	NR	665	326	NR	795	6	NR	925	0	NR
410	8	NR	540	482	NR	670	284	NR	800	5	NR	930	0	NR
415	15	NR	545	521	NR	675	245	NR	805	4	NR	935	0	NR
420	29	NR	550	563	NR	680	211	NR	810	4	NR	940	0	NR
425	55	NR	555	614	NR	685	181	NR	815	3	NR	945	0	NR
430	99	NR	560	676	NR	690	154	NR	820	3	NR	950	0	NR
435	171	NR	565	738	NR	695	131	NR	825	3	NR	955	0	NR
440	303	NR	570	802	NR	700	111	NR	830	2	NR	960	0	NR
445	547	NR	575	859	NR	705	94	NR	835	2	NR	965	0	NR
450	587	NR	580	911	NR	710	80	NR	840	2	NR	970	0	NR
455	346	NR	585	950	NR	715	69	NR	845	2	NR	975	0	NR
460	261	NR	590	980	NR	720	59	NR	850	1	NR	980	0	NR
465	216	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	150	NR	600	998	NR	730	42	NR	860	1	NR	990	0	NR
475	137	NR	605	982	NR	735	36	NR	865	1	NR	995	0	NR
480	156	NR	610	950	NR	740	30	NR	870	1	NR	1000	0	NR
485	180	NR	615	899	NR	745	26	NR	875	1	NR			

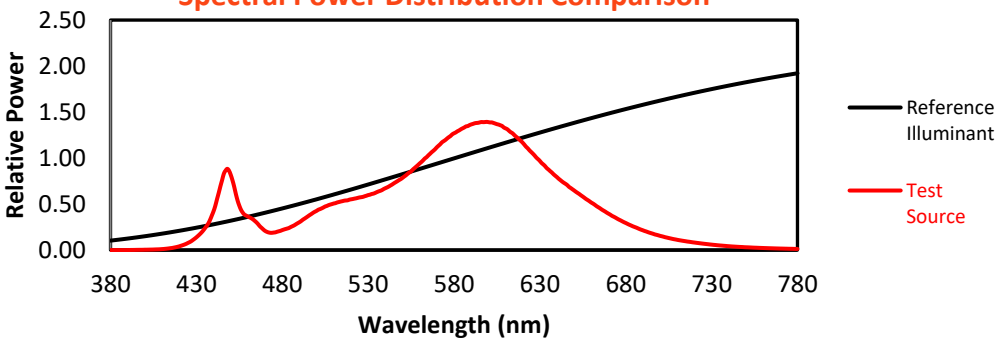
REPORT NUMBER: SP1-2501-332-9

TM-30-18

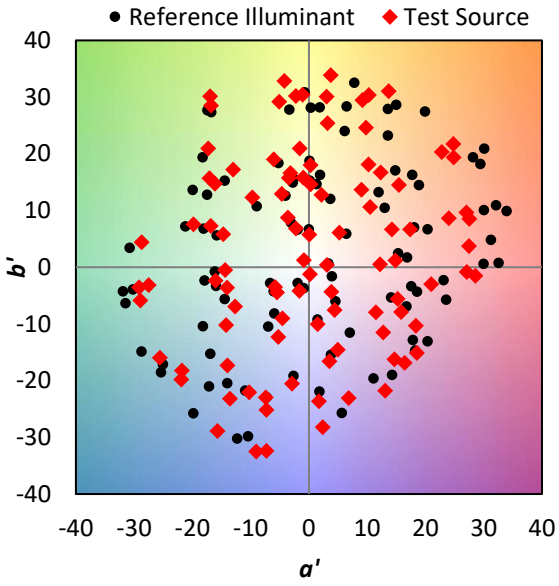
Summary

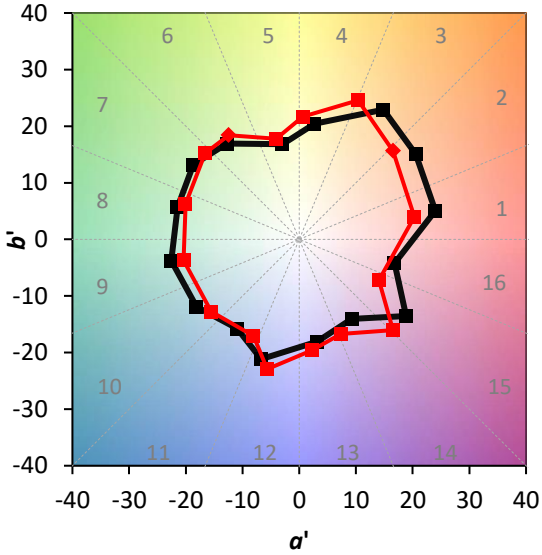
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

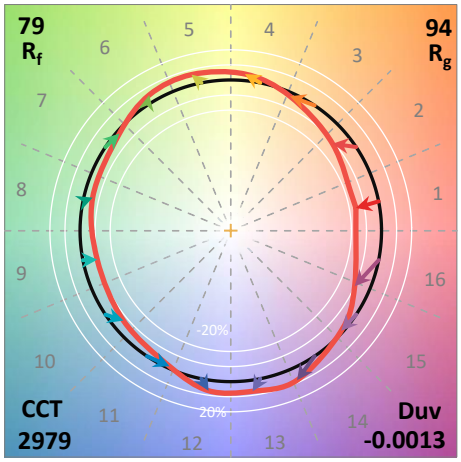
Spectral Power Distribution Comparison

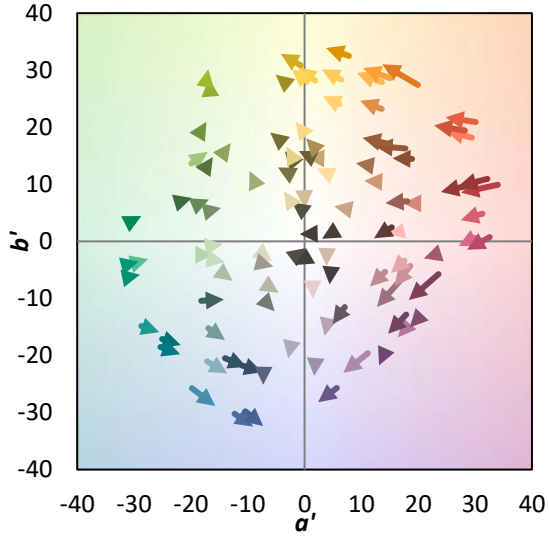


Color Vector Graphics







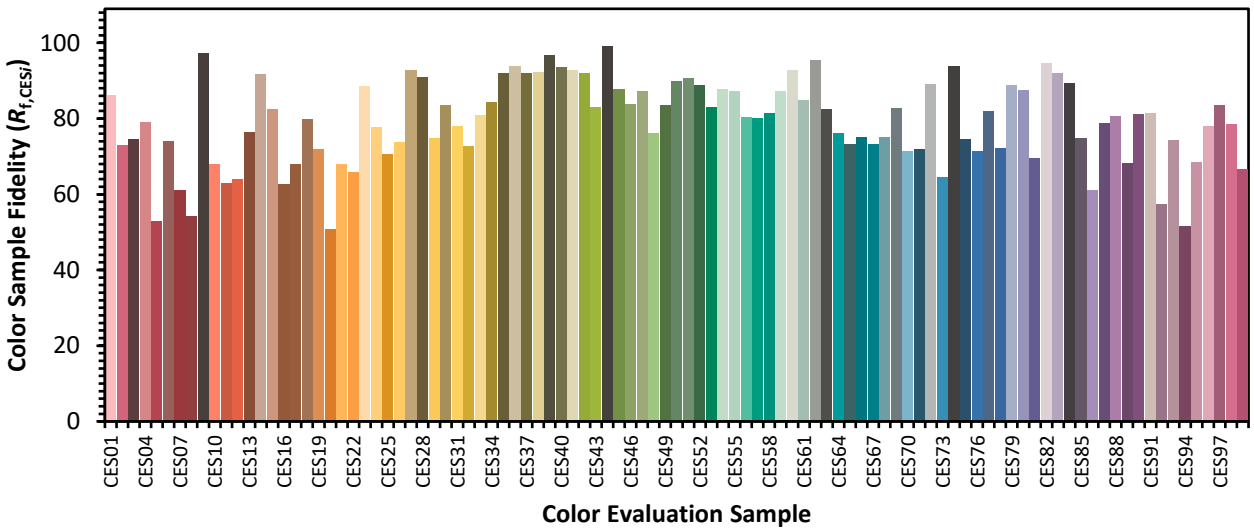


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

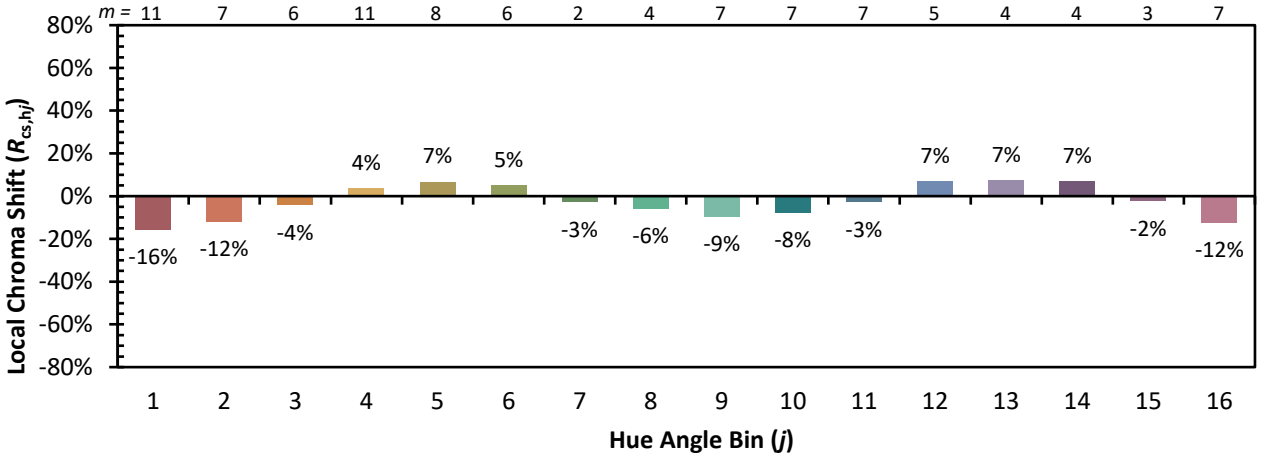
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CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 80	CES82 = 95
CES08 = 40	CES33 = 81	CES58 = 81	CES83 = 92
CES09 = 29	CES34 = 84	CES59 = 87	CES84 = 89
CES10 = 76	CES35 = 92	CES60 = 93	CES85 = 75
CES11 = 59	CES36 = 94	CES61 = 85	CES86 = 61
CES12 = 65	CES37 = 92	CES62 = 96	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 76	CES89 = 68
CES15 = 71	CES40 = 94	CES65 = 73	CES90 = 81
CES16 = 47	CES41 = 93	CES66 = 75	CES91 = 81
CES17 = 50	CES42 = 92	CES67 = 73	CES92 = 57
CES18 = 56	CES43 = 83	CES68 = 75	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 52
CES20 = 66	CES45 = 88	CES70 = 71	CES95 = 69
CES21 = 87	CES46 = 84	CES71 = 72	CES96 = 78
CES22 = 79	CES47 = 87	CES72 = 89	CES97 = 84
CES23 = 92	CES48 = 76	CES73 = 64	CES98 = 78
CES24 = 91	CES49 = 84	CES74 = 94	CES99 = 67
CES25 = 72	CES50 = 90	CES75 = 75	

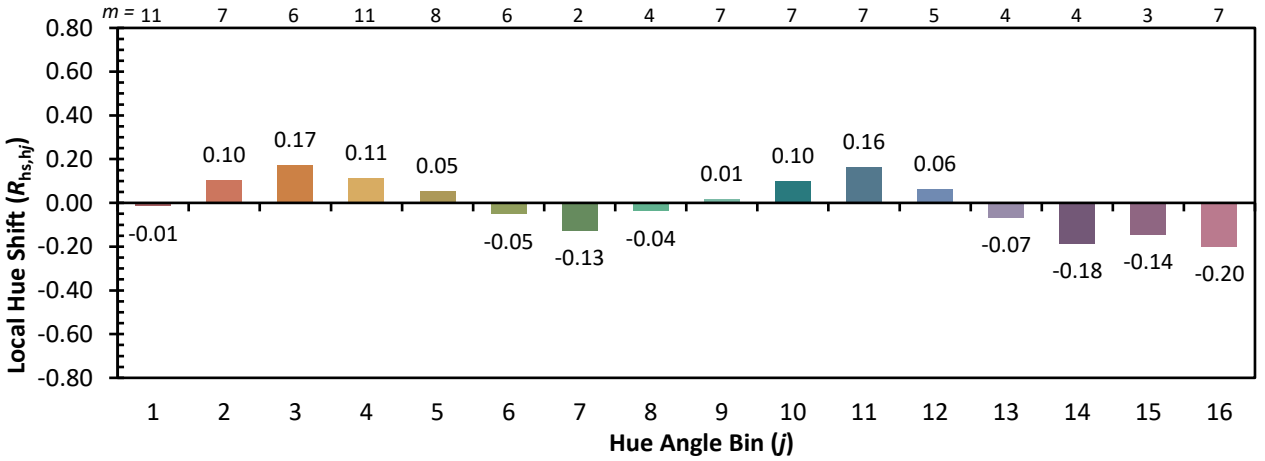


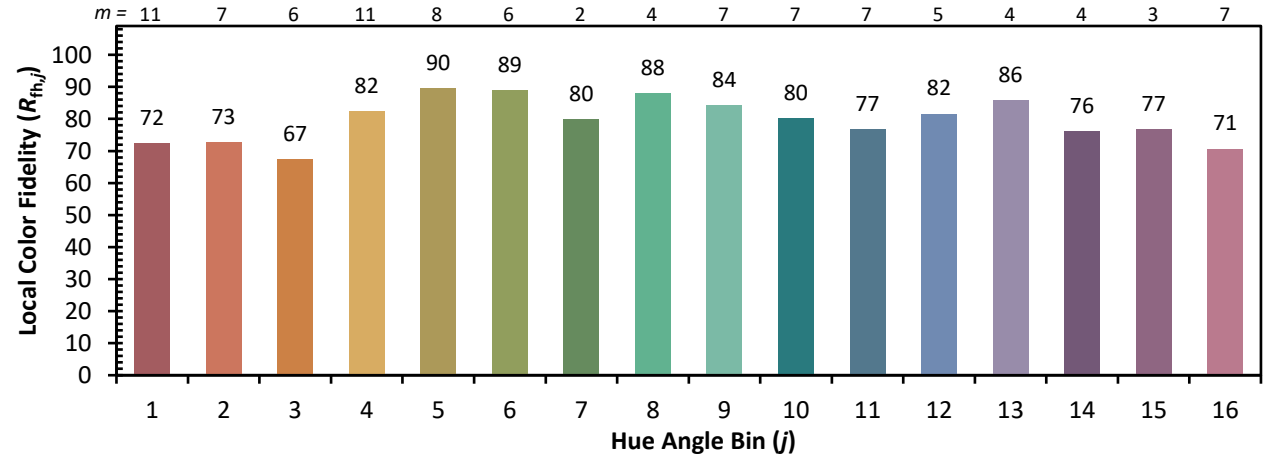
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Color Rendition by Hue-Angle Bin



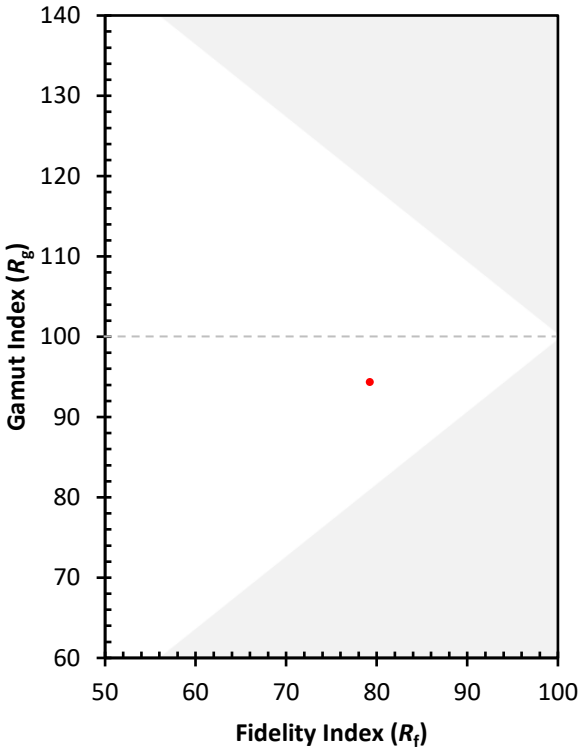


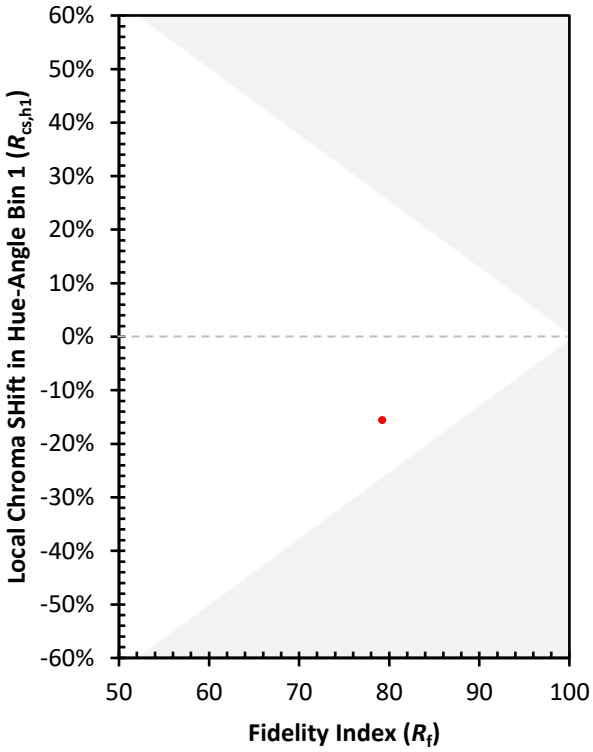


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Measure Comparisons





(END OF REPORT)