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: P1045803

Luminaire Tested: **FFX-CLB-20-730-U-FR-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:	P1045803
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-730-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2159.7 lumens
Efficiency:	N/A
Efficacy:	109.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U3 - G1

Input Watts (W):	19.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

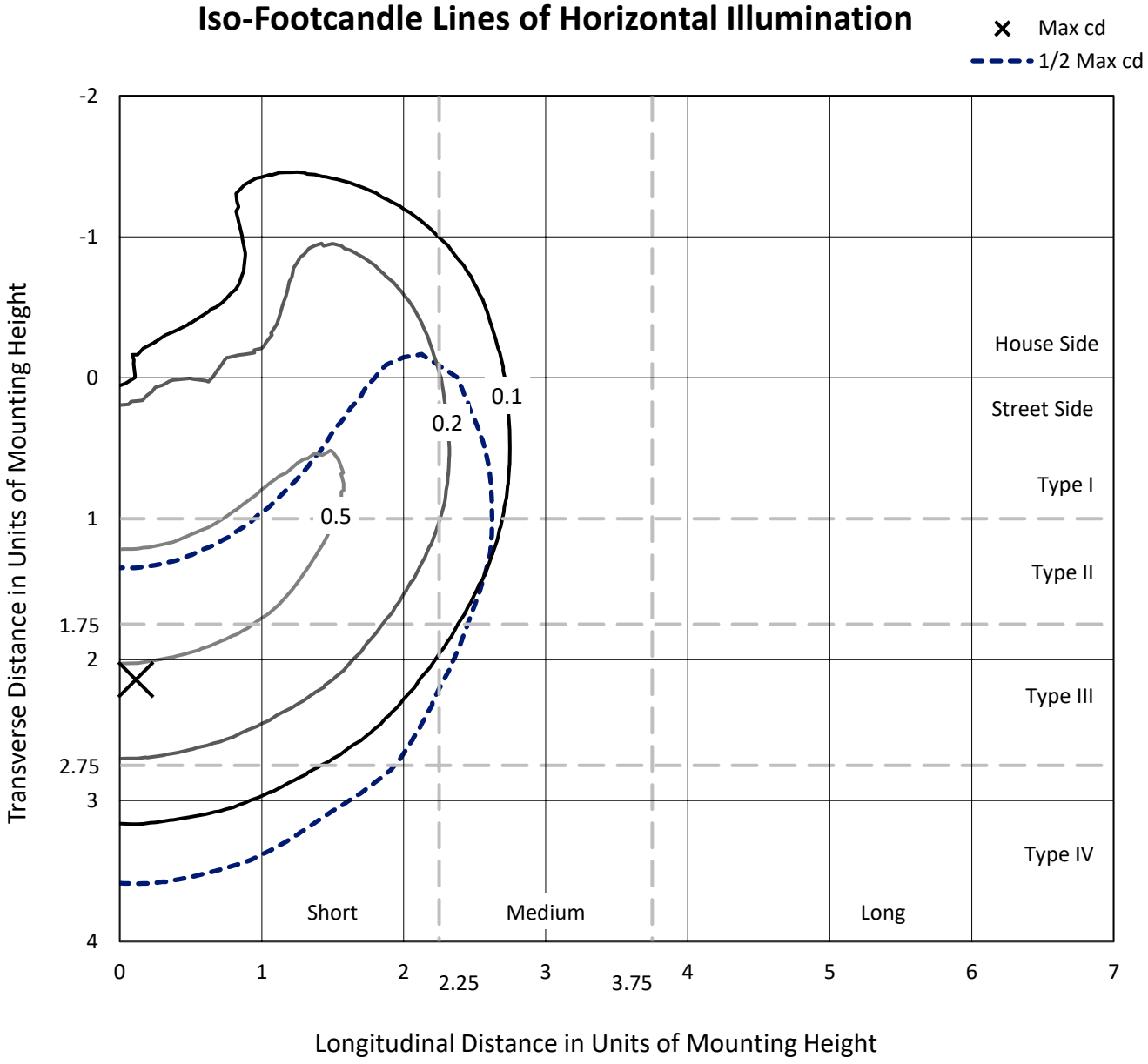


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Iso-Footcandle Lines of Horizontal Illumination



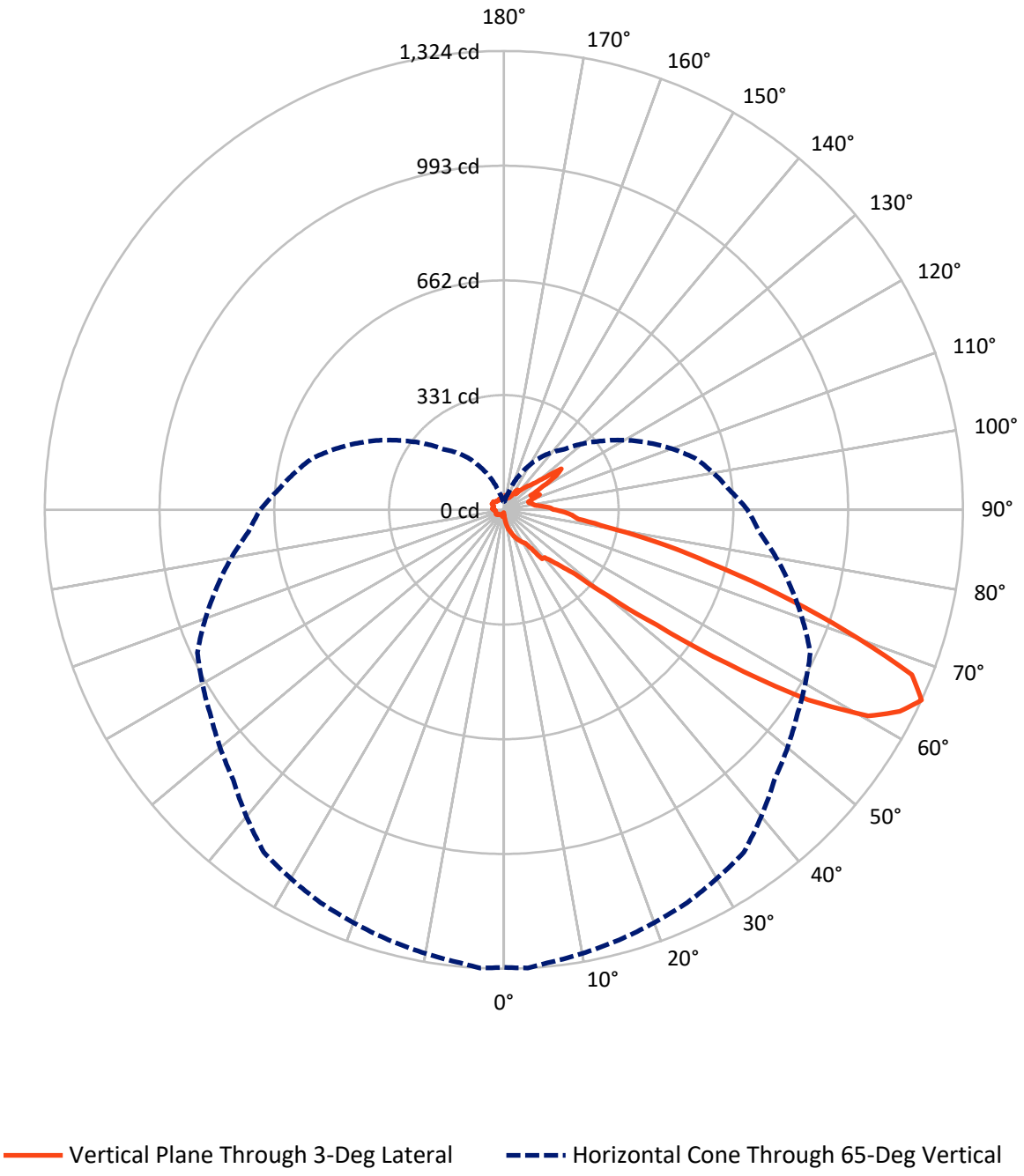
Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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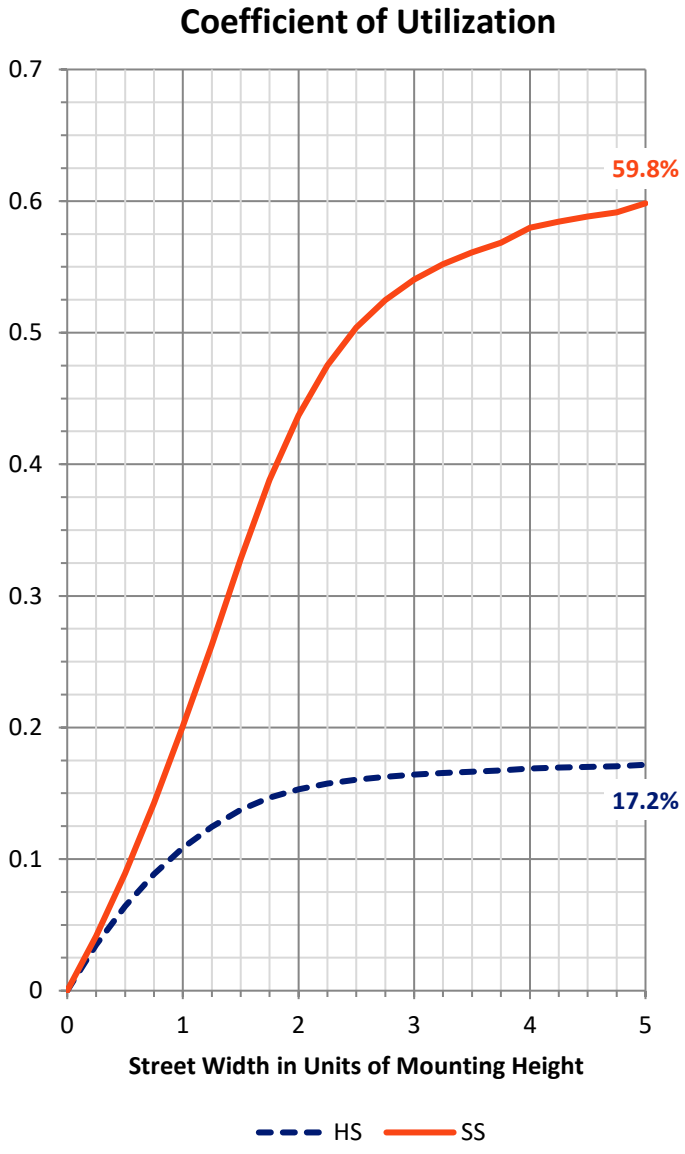
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.0	149.9	534.9
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	1345.9	278.9	1624.8
	% Fixture	62.3	12.9	75.2
Total	Lumens	1730.9	428.8	2159.7
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	12.2	0.6
20°-30°	27.0	1.2
30°-40°	53.8	2.5
40°-50°	116.1	5.4
50°-60°	396.9	18.4
60°-70°	644.9	29.9
70°-80°	347.0	16.1
80°-90°	130.8	6.1
90°-100°	82.5	3.8
100°-110°	58.6	2.7
110°-120°	64.7	3.0
120°-130°	98.9	4.6
130°-140°	59.3	2.7
140°-150°	32.8	1.5
150°-160°	18.2	0.8
160°-170°	10.1	0.5
170°-180°	3.7	0.2
0°-90°	1730.9	80.1
0°-180°	2159.7	100.0



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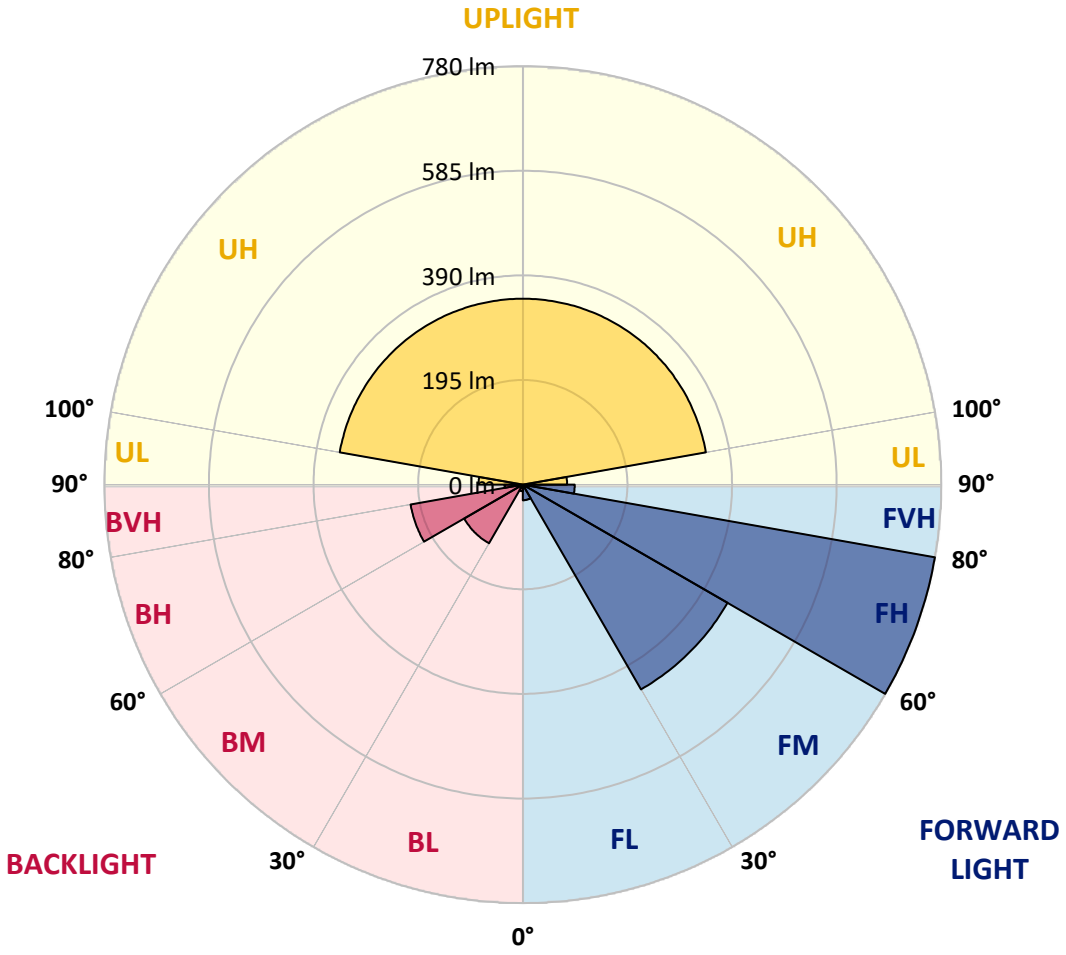
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	29.1	1.3			
FM	(30°-60°)	440.5	20.4			
FH	(60°-80°)	779.6	36.1			G1/1800
FVH	(80°-90°)	96.6	4.5			G1/100
BL	(0°-30°)	12.3	0.6	B0/110		
BM	(30°-60°)	126.2	5.8	B0/220		
BH	(60°-80°)	212.4	9.8	B1/500		G1/500
BVH	(80°-90°)	34.1	1.6			G1/100
UL	(90°-100°)	82.5	3.8		U3/500	
UH	(100°-180°)	346.3	16.0		U3/500	

BUG Rating: B1-U3-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
2.5°	17.2	17.4	17.4	17.4	17.9	18.1	17.9	17.2	16.2	15.7	15.2
5°	24.9	25.4	25.2	25.2	24.7	24.7	24.0	23.5	23.0	21.3	19.6
7.5°	34.6	34.1	33.9	33.4	33.6	32.4	31.5	31.5	30.7	29.0	26.4
10°	44.8	44.8	44.0	43.8	43.3	42.8	41.1	40.2	40.2	37.3	34.1
12.5°	55.9	55.6	55.9	55.4	54.7	53.5	51.5	49.4	48.1	45.5	40.9
15°	63.1	62.9	62.9	62.7	62.2	61.0	59.5	57.3	54.2	51.5	47.2
17.5°	70.9	70.4	70.4	69.2	68.2	66.8	65.6	63.4	59.5	54.7	50.6
20°	79.4	79.4	79.4	77.7	75.7	73.8	72.1	70.2	67.3	60.0	54.2
22.5°	87.3	87.6	87.3	85.6	83.9	80.8	78.1	75.7	72.8	65.6	58.5
25°	95.1	95.6	95.3	95.3	93.1	89.0	85.4	81.8	79.8	72.6	62.9
27.5°	101.9	102.1	102.3	103.5	102.3	97.7	91.9	87.6	86.1	78.1	66.5
30°	108.4	109.1	109.1	110.3	110.1	105.0	98.0	93.1	90.2	82.5	70.2
32.5°	114.7	115.2	115.4	118.3	118.1	111.3	105.2	99.9	95.1	89.3	76.4
35°	137.4	136.7	140.3	142.5	140.8	134.8	127.5	117.6	110.8	104.0	90.2
37.5°	179.8	179.3	179.3	174.4	167.7	160.6	158.7	148.3	140.1	131.4	112.5
40°	181.0	181.0	181.7	187.0	190.4	181.4	173.0	162.8	161.1	152.2	129.2
42.5°	198.6	200.6	202.5	206.1	212.2	206.4	196.7	180.5	172.7	163.5	143.9
45°	228.6	231.5	230.6	232.0	230.6	225.5	224.7	215.8	204.2	186.5	160.2
47.5°	278.2	276.5	275.6	281.4	290.8	281.4	279.2	264.9	242.7	220.2	190.2
50°	400.1	392.9	400.4	399.2	397.5	388.8	382.2	368.0	331.7	295.1	251.8
52.5°	563.4	551.6	558.4	563.0	558.1	545.8	526.2	498.4	449.5	402.3	345.2
55°	800.8	784.3	786.5	792.3	795.7	767.6	739.6	678.1	604.8	532.0	470.1
57.5°	1062.8	1033.3	1052.6	1020.2	1006.9	956.8	933.1	870.9	784.8	687.6	587.6
60°	1210.4	1207.2	1203.6	1178.4	1164.4	1108.3	1052.6	994.3	917.1	802.2	685.4
62.5°	1274.5	1281.2	1275.9	1262.9	1250.3	1200.9	1104.1	1035.0	972.3	854.2	737.6
65°	1319.7	1323.6	1314.6	1284.4	1250.3	1206.2	1102.9	1032.3	975.0	855.9	739.8
67.5°	1267.9	1268.7	1257.8	1218.6	1149.4	1110.7	1010.5	948.8	892.7	791.1	682.5
70°	1044.4	1046.6	1039.8	1005.0	946.9	913.3	816.7	753.4	711.0	640.9	560.8
72.5°	814.1	823.5	813.8	800.0	744.9	720.0	655.1	603.8	564.9	498.9	434.3
75°	612.1	614.2	614.5	599.0	570.0	564.4	519.9	486.0	452.2	398.0	350.5
77.5°	443.9	453.6	450.2	447.6	409.6	411.8	394.1	374.0	352.7	316.7	282.8
80°	294.7	299.7	293.7	295.1	290.1	288.9	272.4	258.9	245.8	229.1	215.8
82.5°	214.8	213.9	213.4	210.7	206.8	207.6	199.3	182.7	166.9	163.5	151.2
85°	198.6	197.9	197.2	192.3	184.1	179.0	174.4	167.7	158.0	142.7	126.8
87.5°	173.7	173.9	172.3	167.2	161.8	160.4	156.8	152.4	147.6	136.2	122.2
90°	143.0	142.3	142.5	139.6	140.6	140.1	134.5	129.2	127.3	117.6	109.4
92.5°	132.1	131.4	131.6	129.4	126.0	125.3	119.3	112.7	109.8	103.8	97.5
95°	110.3	110.3	109.4	108.4	106.7	104.3	101.1	96.8	94.6	89.8	83.5
97.5°	92.7	91.7	92.4	90.7	89.3	88.3	85.9	81.5	79.4	75.7	70.9
100°	86.1	86.1	85.9	85.2	81.5	79.6	76.9	72.8	71.1	68.0	64.4
102.5°	82.5	82.3	82.0	81.3	77.9	74.5	71.1	68.7	66.8	64.1	60.2
105°	75.5	75.5	76.0	75.7	73.3	71.1	67.5	65.3	63.4	60.7	57.1
107.5°	74.8	74.5	74.5	71.6	68.5	67.3	64.6	62.7	61.0	58.3	54.2
110°	85.6	86.1	86.9	82.0	74.5	71.4	67.5	65.3	63.4	60.0	55.6

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	112.3	*112.3*	111.8	109.1	96.0	87.3	85.4	79.8	76.7	71.6	65.6
115°	100.9	*101.1*	100.9	101.6	100.6	89.8	91.7	82.5	87.8	76.0	71.9
117.5°	88.1	*87.8*	86.9	87.1	88.1	95.1	79.8	77.7	79.8	69.2	65.6
120°	122.9	*120.7*	122.9	113.9	112.5	113.7	105.0	103.3	94.1	81.3	71.6
122.5°	181.0	*177.6*	182.4	179.3	181.7	173.7	165.2	158.2	148.1	126.5	107.2
125°	204.4	*203.7*	202.5	198.1	194.3	190.9	192.3	195.0	189.4	172.0	149.5
127.5°	150.5	*152.4*	151.7	160.4	168.9	166.9	161.8	164.3	167.2	166.2	152.9
130°	120.0	*121.7*	122.7	131.1	138.4	138.4	130.2	128.0	130.4	135.5	130.4
132.5°	105.2	*105.7*	106.2	109.1	115.2	118.1	113.0	109.6	110.6	113.2	108.9
135°	94.8	*94.6*	93.9	91.9	92.4	95.3	97.5	97.0	96.3	96.3	93.9
137.5°	82.3	*82.0*	82.0	79.1	77.9	80.3	83.5	86.4	84.4	81.8	78.9
140°	68.5	*68.2*	68.5	70.2	70.6	70.9	72.6	72.6	72.6	72.3	71.1
142.5°	56.9	*57.1*	57.6	61.9	64.1	64.1	61.9	60.0	59.8	61.2	61.4
145°	69.9	*69.9*	70.2	69.9	68.5	67.0	65.6	65.6	64.1	60.7	59.0
147.5°	62.4	*63.4*	62.7	63.4	63.9	64.1	63.9	64.6	64.8	62.9	60.2
150°	49.1	*48.9*	48.4	49.1	50.3	51.8	52.3	52.7	53.0	53.0	53.0
152.5°	42.6	*42.8*	42.6	43.3	44.0	44.3	45.0	45.0	45.2	45.0	44.5
155°	41.4	*41.4*	41.4	41.4	41.6	42.1	43.1	43.5	43.1	42.3	41.1
157.5°	38.5	*38.5*	38.5	38.7	39.2	39.7	40.4	40.9	40.9	40.4	39.4
160°	36.8	*36.8*	36.8	36.8	37.3	37.7	38.2	38.7	38.7	38.5	37.7
162.5°	34.8	*34.8*	34.8	35.1	35.6	36.0	36.5	37.0	36.8	36.8	36.3
165°	34.6	*34.6*	34.6	34.8	35.3	36.0	36.3	36.3	36.5	36.5	36.5
167.5°	35.6	*35.6*	35.8	35.8	36.3	36.5	37.0	37.3	37.5	37.3	37.3
170°	37.0	*37.0*	37.0	37.3	37.5	37.5	37.7	37.7	38.0	38.0	38.0
172.5°	38.9	*38.9*	38.9	38.9	38.7	38.7	38.7	38.7	38.9	38.7	38.9
175°	41.1	*41.1*	41.1	40.9	40.6	40.6	40.4	40.4	40.2	39.9	39.9
177.5°	41.4	*41.4*	41.4	41.4	41.1	40.9	40.9	40.6	40.4	40.4	40.4
180°	40.4	*40.4*	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
2.5°	14.8	14.3	13.1	12.1	11.4	10.4	9.7	9.0	8.5	8.2	8.0
5°	19.4	18.4	16.9	15.5	14.3	12.6	11.6	9.9	8.7	8.2	8.0
7.5°	25.4	24.7	24.0	23.7	23.2	21.0	17.9	15.5	15.0	14.5	15.0
10°	32.4	31.0	28.8	30.0	30.0	25.9	21.5	19.1	18.9	19.8	20.1
12.5°	38.9	37.0	34.4	34.1	31.5	25.9	21.3	18.9	18.6	18.9	19.1
15°	45.0	42.8	39.9	37.5	33.4	27.6	22.3	19.1	18.4	19.1	19.1
17.5°	48.4	46.2	42.1	37.5	32.7	27.3	22.0	18.6	16.9	16.0	16.0
20°	52.5	50.8	45.2	39.4	32.9	27.1	21.8	18.1	16.2	15.2	15.0
22.5°	56.1	54.2	48.1	41.9	34.4	27.1	21.0	17.9	16.2	15.2	15.0
25°	60.5	57.6	51.5	44.5	35.6	27.1	21.0	18.1	16.5	15.5	15.2
27.5°	63.4	60.0	54.2	46.4	37.0	27.6	21.8	18.4	16.5	15.5	15.5
30°	66.3	63.1	56.4	49.1	38.7	28.8	23.0	19.4	17.2	16.0	16.0
32.5°	72.1	68.0	59.8	51.3	40.2	29.8	24.2	20.3	17.9	16.7	16.7
35°	85.2	79.4	69.4	57.6	42.1	30.7	25.4	21.5	18.4	16.9	16.9
37.5°	105.0	97.7	85.6	69.4	46.9	32.2	26.4	22.0	18.9	17.7	17.4
40°	118.1	109.1	94.6	78.9	53.9	34.6	27.6	22.7	19.4	17.9	17.7
42.5°	133.8	122.9	103.5	81.8	57.6	39.7	30.0	24.0	20.1	18.1	17.9
45°	148.1	138.9	120.7	95.6	68.0	47.2	34.4	26.1	21.3	18.9	18.6
47.5°	177.1	162.8	138.6	112.7	81.0	58.5	41.9	29.5	23.2	19.8	19.4
50°	233.7	218.9	189.7	149.5	104.8	74.5	53.9	35.8	25.6	20.8	20.1
52.5°	317.4	290.3	257.7	203.5	148.5	107.7	76.4	50.6	30.5	21.8	20.6
55°	429.4	413.9	356.1	287.2	211.7	161.1	117.6	78.6	45.5	23.0	20.8
57.5°	557.9	527.2	474.4	388.5	283.1	205.2	158.9	117.1	67.0	26.9	22.0
60°	640.6	608.7	548.2	461.4	344.5	244.6	181.2	130.4	76.0	27.6	23.0
62.5°	694.1	649.3	572.6	471.0	362.4	260.8	191.4	123.9	64.8	26.9	23.7
65°	*702.3*	*653.7*	*572.6*	*457.7*	*346.2*	*247.5*	*185.1*	*114.4*	*51.0*	*25.6*	*24.7*
67.5°	653.7	600.9	533.7	419.7	310.6	212.2	158.9	93.4	38.7	24.9	24.4
70°	529.3	496.2	435.0	342.1	248.0	173.7	126.5	71.6	31.5	24.2	24.0
72.5°	404.5	380.5	337.7	266.6	191.1	134.0	96.5	56.4	28.3	23.7	23.5
75°	322.0	300.2	265.4	205.4	145.9	103.3	72.1	43.3	25.9	23.7	23.2
77.5°	265.6	246.5	215.1	162.8	106.4	77.2	54.7	35.1	25.4	23.7	23.5
80°	204.4	190.6	167.2	118.3	76.2	57.8	43.5	31.2	25.4	24.2	24.0
82.5°	144.9	139.6	121.9	92.2	64.1	50.3	40.2	30.7	25.9	24.7	24.4
85°	120.5	114.2	101.6	80.3	59.8	48.6	39.7	31.5	27.1	26.1	25.9
87.5°	116.1	112.0	99.7	77.7	57.3	46.4	38.0	30.7	27.1	26.6	26.9
90°	105.0	100.4	91.0	72.3	54.9	46.2	38.7	31.9	28.1	27.6	27.3
92.5°	95.3	92.7	84.4	69.9	56.6	47.9	40.9	34.8	31.7	30.7	30.7
95°	81.5	78.9	74.3	64.1	53.9	46.9	40.9	35.6	32.9	32.4	32.2
97.5°	69.4	67.7	63.9	55.9	47.9	42.1	36.8	32.7	30.5	29.8	29.8
100°	63.4	61.9	58.8	53.5	47.4	42.6	38.2	34.6	32.7	32.2	32.2
102.5°	59.0	57.8	54.9	51.0	45.7	41.9	38.2	35.1	32.9	32.4	32.7
105°	55.4	54.2	51.3	47.4	43.1	38.9	36.3	33.9	31.5	30.7	30.7
107.5°	52.7	51.5	49.1	45.2	41.6	38.0	35.1	33.1	31.2	30.7	30.7
110°	53.9	52.3	48.6	44.5	41.4	38.2	35.8	33.9	32.4	31.7	31.7

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

Scaled Data Report

REPORT NUMBER: P1045803
CATALOG NUMBER: FFX-CLB-20-730-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	63.1	60.5	54.4	48.6	44.5	40.9	38.2	35.6	34.4	33.4	33.4
115°	69.2	66.5	60.5	53.5	47.4	42.3	38.7	36.5	35.1	36.0	35.6
117.5°	63.1	61.2	56.6	51.5	46.7	42.3	39.2	37.7	36.8	38.0	38.5
120°	69.4	65.8	62.2	56.4	47.4	41.4	39.2	38.7	38.7	37.7	37.7
122.5°	99.2	93.1	79.6	69.7	57.3	50.6	46.4	42.6	38.7	37.3	37.0
125°	138.9	127.5	110.3	92.9	76.0	61.7	49.8	42.6	38.9	36.8	36.3
127.5°	146.1	136.2	120.5	99.4	76.4	60.2	49.6	44.0	39.9	37.5	37.3
130°	123.4	118.5	104.5	86.4	68.7	56.1	49.1	44.0	40.2	38.0	37.5
132.5°	104.8	101.4	88.3	73.8	61.2	52.0	45.7	40.2	36.5	34.6	34.1
135°	90.0	87.8	76.4	66.0	56.6	49.1	42.6	37.3	34.4	33.1	32.9
137.5°	77.2	75.0	67.3	60.0	52.7	46.2	40.9	36.3	33.6	32.9	32.7
140°	69.2	67.3	62.4	54.7	47.7	40.9	37.0	34.1	32.7	32.2	31.9
142.5°	60.2	58.1	52.7	47.2	42.3	37.0	34.4	33.1	32.4	31.9	31.7
145°	57.1	55.6	49.6	44.5	39.9	37.3	35.8	34.1	32.7	31.7	31.5
147.5°	57.8	56.1	50.8	46.0	41.9	38.9	36.5	34.1	32.2	31.2	31.0
150°	51.8	51.3	48.1	44.3	40.4	37.3	34.8	32.9	31.7	31.5	31.5
152.5°	43.3	43.1	41.6	39.4	36.8	34.4	32.7	31.7	31.7	32.2	32.4
155°	40.6	39.9	38.9	37.5	35.3	33.6	32.4	31.9	32.2	32.7	32.7
157.5°	39.2	38.5	37.5	36.3	35.1	33.6	32.7	32.4	32.9	33.4	33.4
160°	37.3	36.8	36.0	34.8	33.9	33.1	32.7	32.7	32.9	33.1	33.1
162.5°	36.0	35.6	34.8	34.1	33.6	33.4	33.1	32.9	33.1	33.4	33.4
165°	36.0	35.8	34.8	34.1	33.9	33.9	33.9	33.9	33.9	33.6	33.6
167.5°	37.0	36.8	36.0	35.6	35.3	35.6	35.6	35.3	35.1	34.6	34.6
170°	38.0	37.7	37.5	37.3	37.0	37.3	37.3	37.3	37.0	37.0	36.8
172.5°	38.9	38.7	38.5	38.2	38.2	38.2	38.5	38.7	38.7	38.7	38.7
175°	39.9	39.9	39.4	39.2	39.2	39.2	39.4	39.4	39.7	39.7	39.7
177.5°	40.4	40.4	40.4	40.4	40.6	40.4	40.4	40.2	40.2	40.2	40.2
180°	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4

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

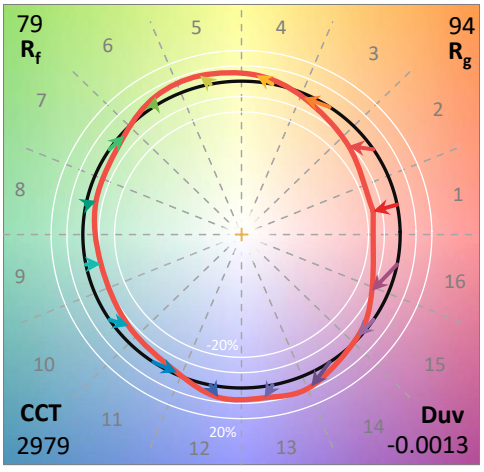
Test Information

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

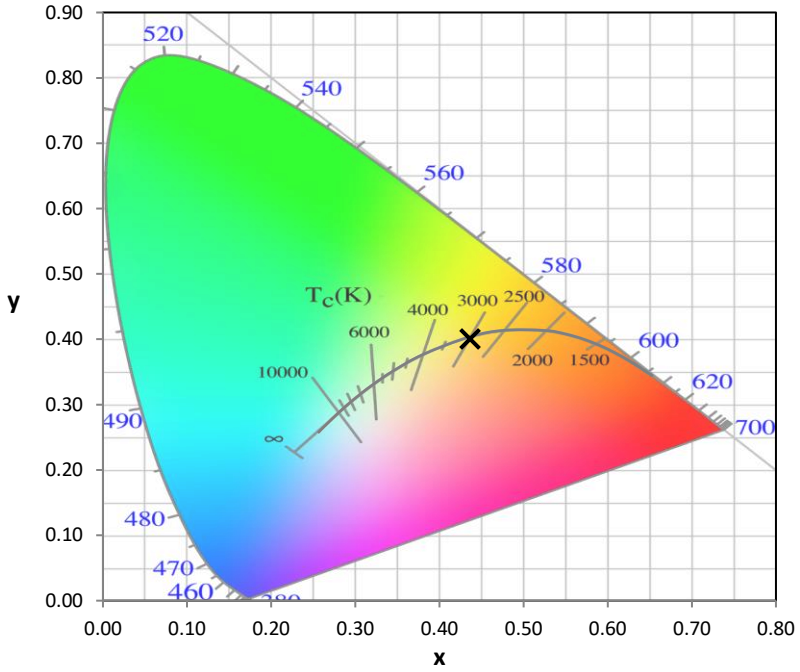
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-9

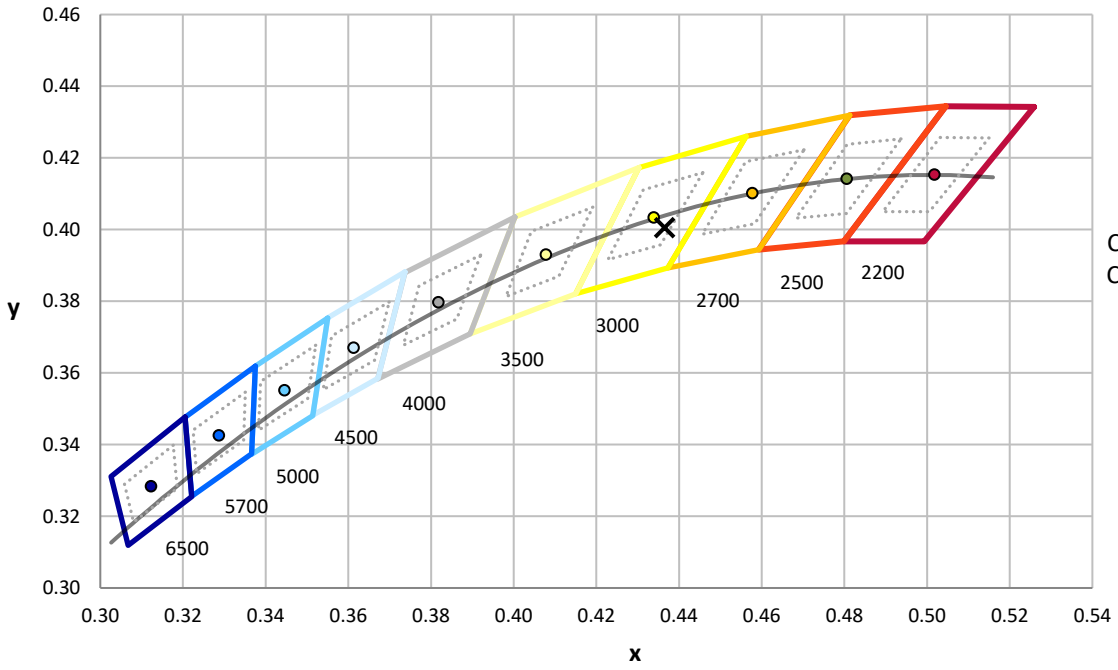
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

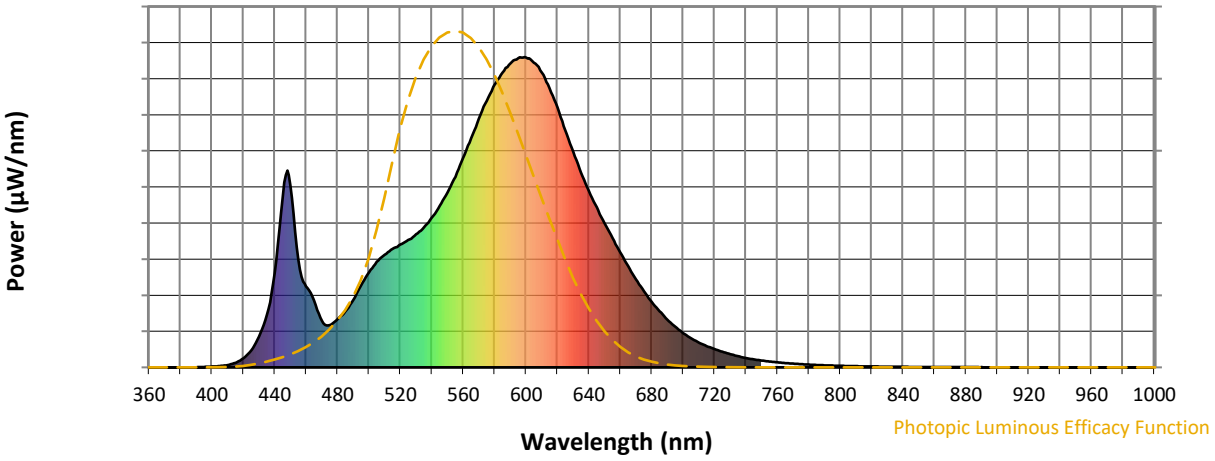


CCT = 2979K
CIE x = 0.4365
CIE y = 0.4006
Duv = -0.0013

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-9

Photopic Flux vs. Wavelength

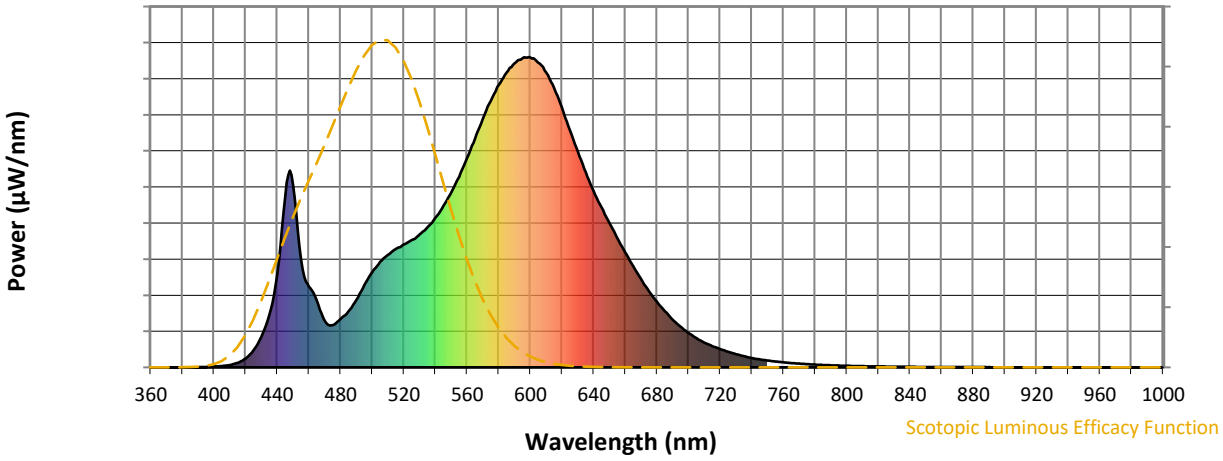


Photopic Lumens: NR

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

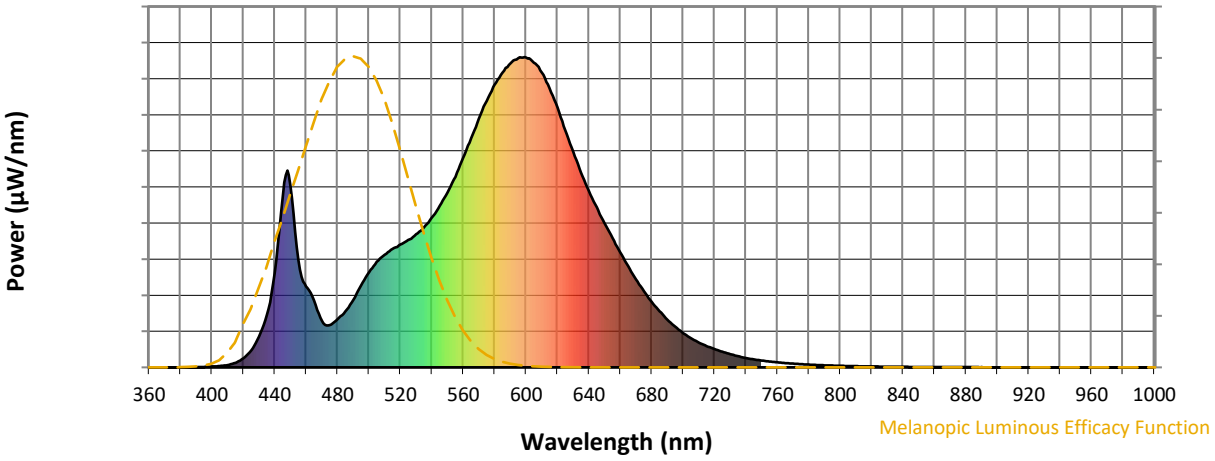


Scotopic Lumens: NR **S/P: 1.29**

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			

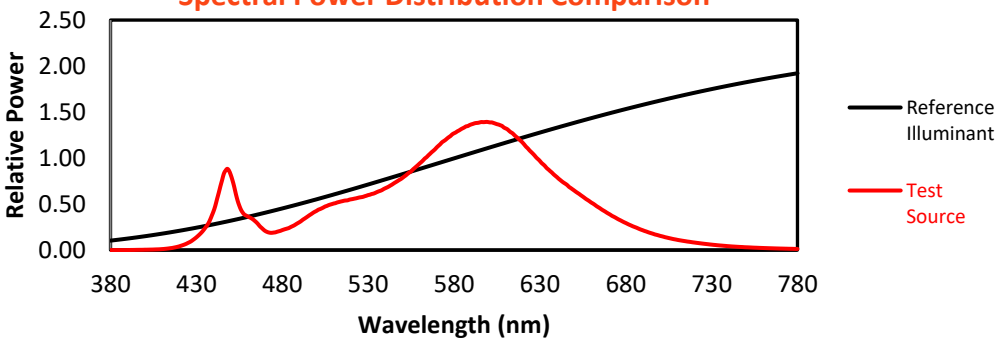
REPORT NUMBER: SP1-2501-332-9

TM-30-18

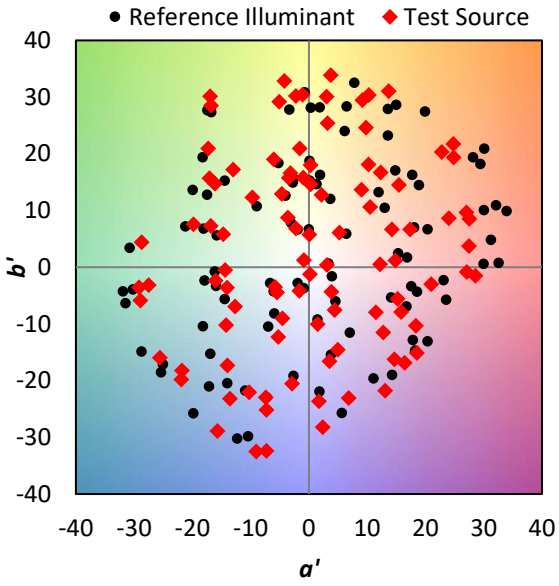
Summary

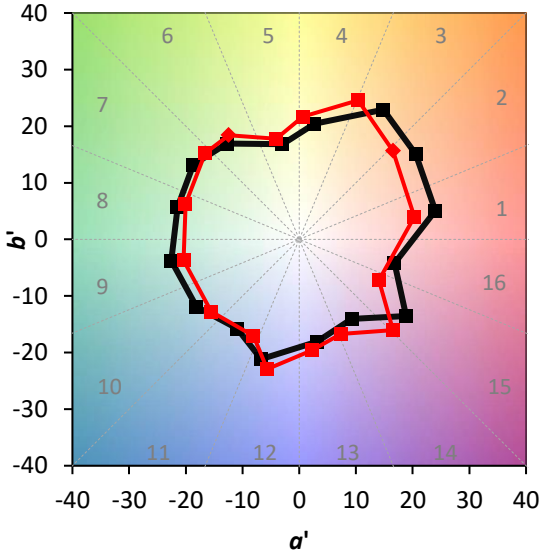
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R_g = 94.4
CIE R_a = 75.1
R_9 = -26.5

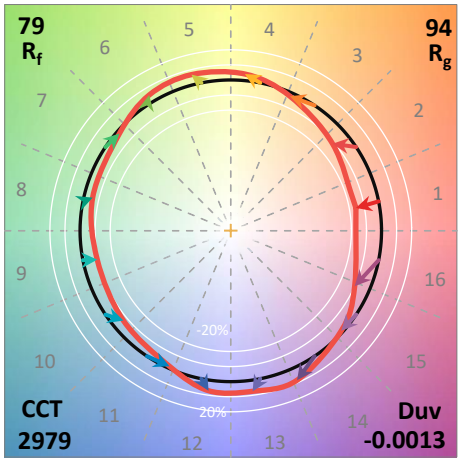
Spectral Power Distribution Comparison

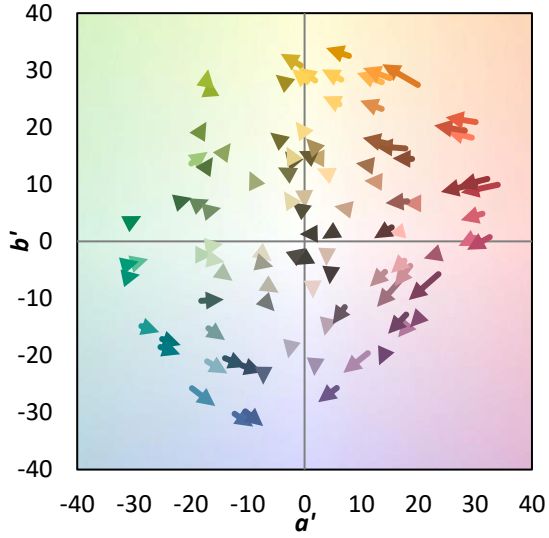


Color Vector Graphics







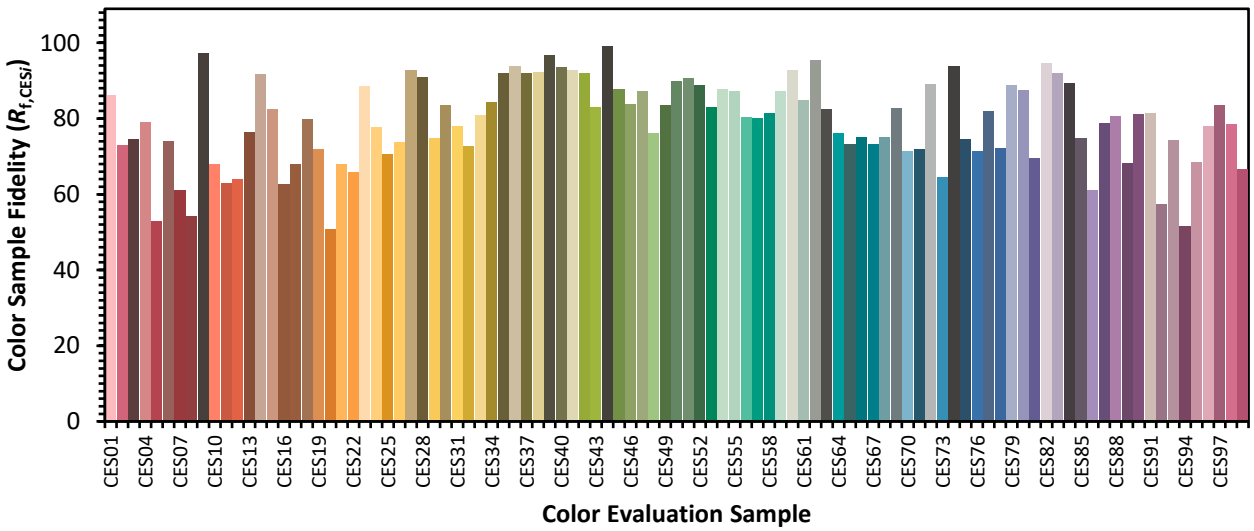


REPORT NUMBER: SP1-2501-332-9

TM-30-18

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

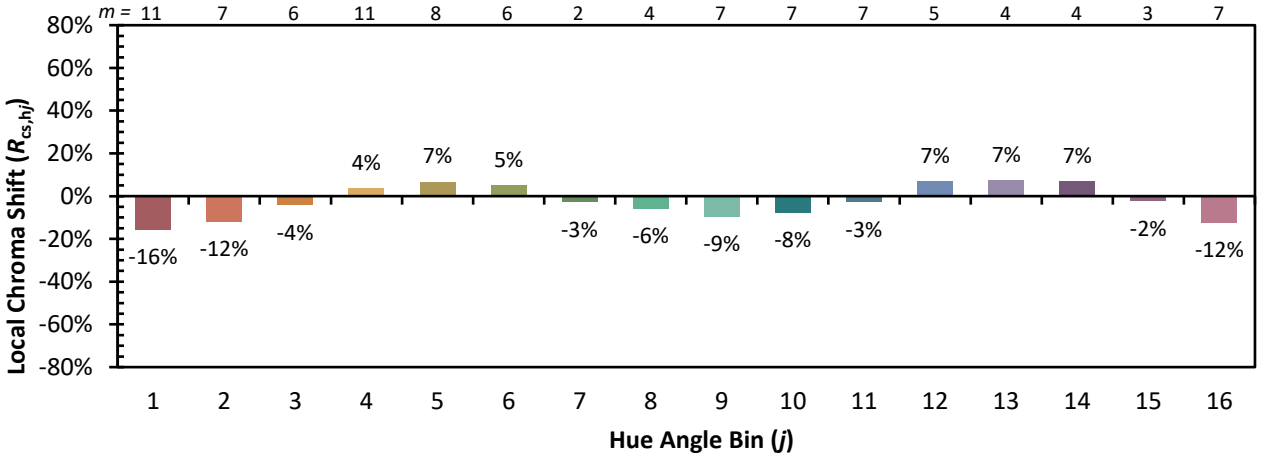
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CES02 = 63	CES27 = 93	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 83	CES78 = 72
CES04 = 71	CES29 = 75	CES54 = 88	CES79 = 89
CES05 = 49	CES30 = 84	CES55 = 87	CES80 = 87
CES06 = 51	CES31 = 78	CES56 = 80	CES81 = 70
CES07 = 42	CES32 = 73	CES57 = 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	

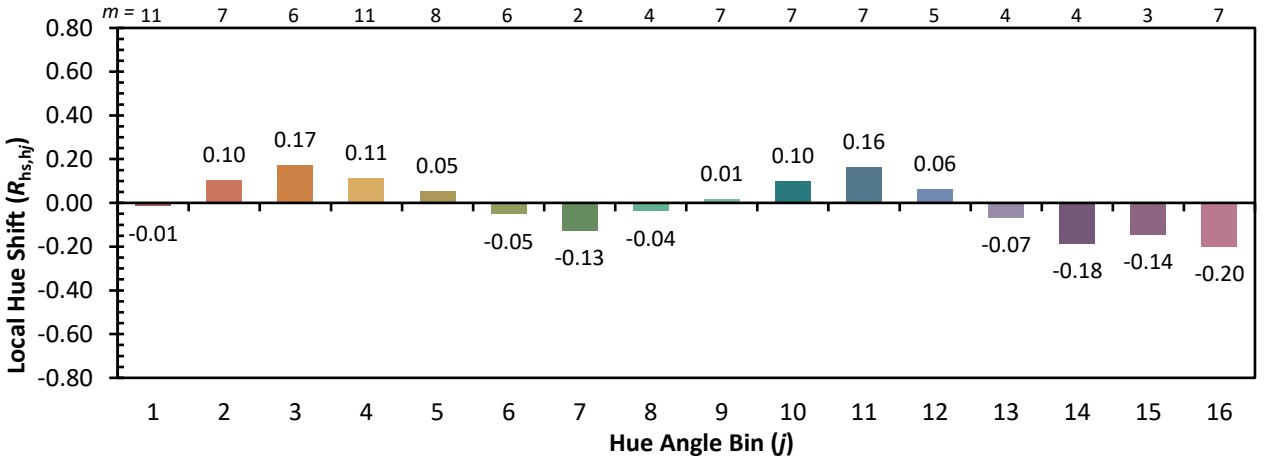


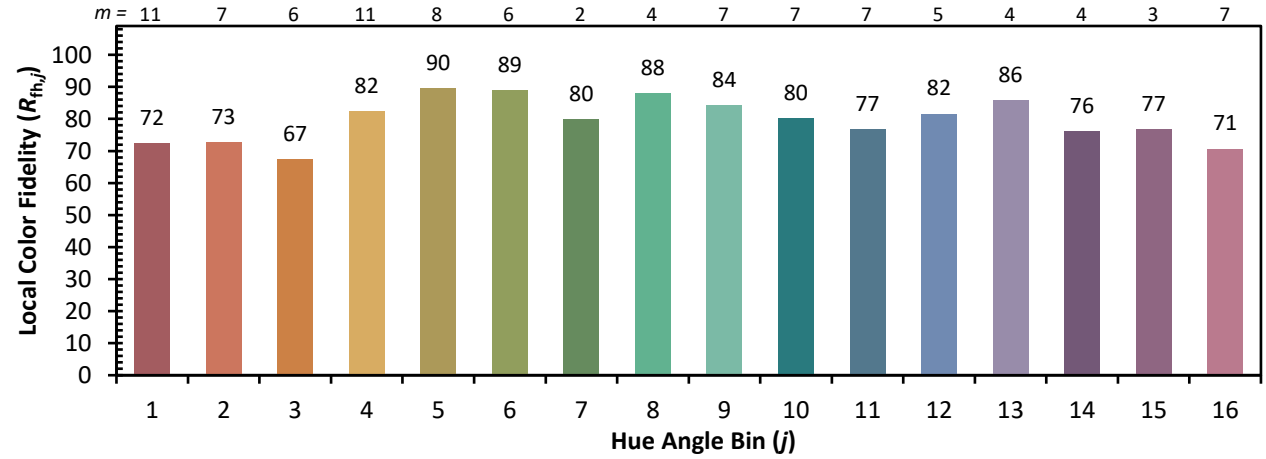
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Color Rendition by Hue-Angle Bin



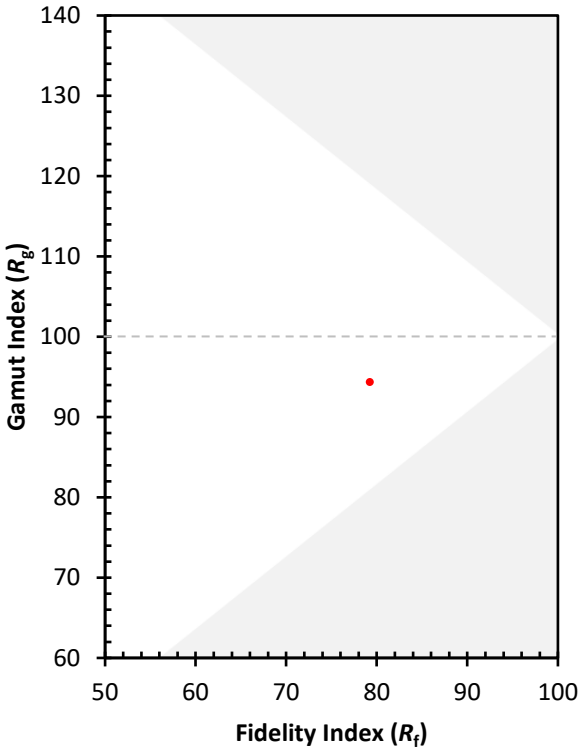


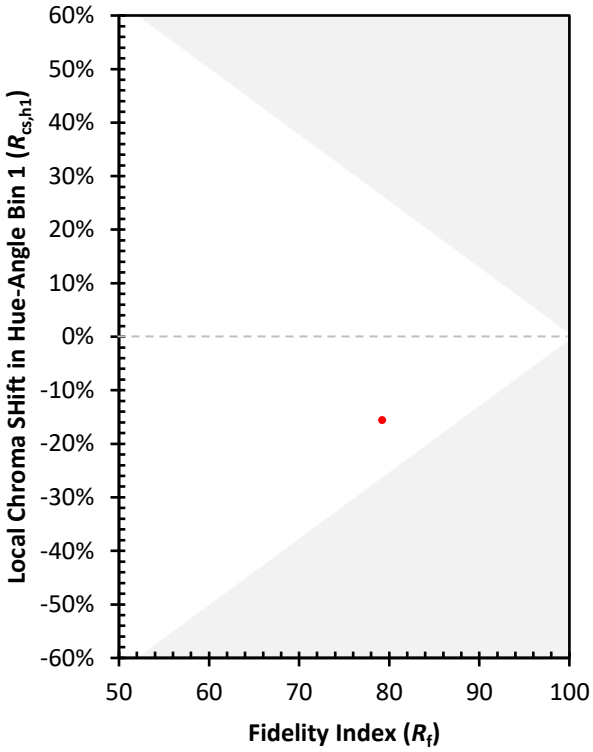


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Measure Comparisons





(END OF REPORT)