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: P1045821

Luminaire Tested: **FFX-CLB-20-750-U-FR-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045821
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-20-750-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2273.4 lumens
Efficiency:	N/A
Efficacy:	114.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U3 - G2

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

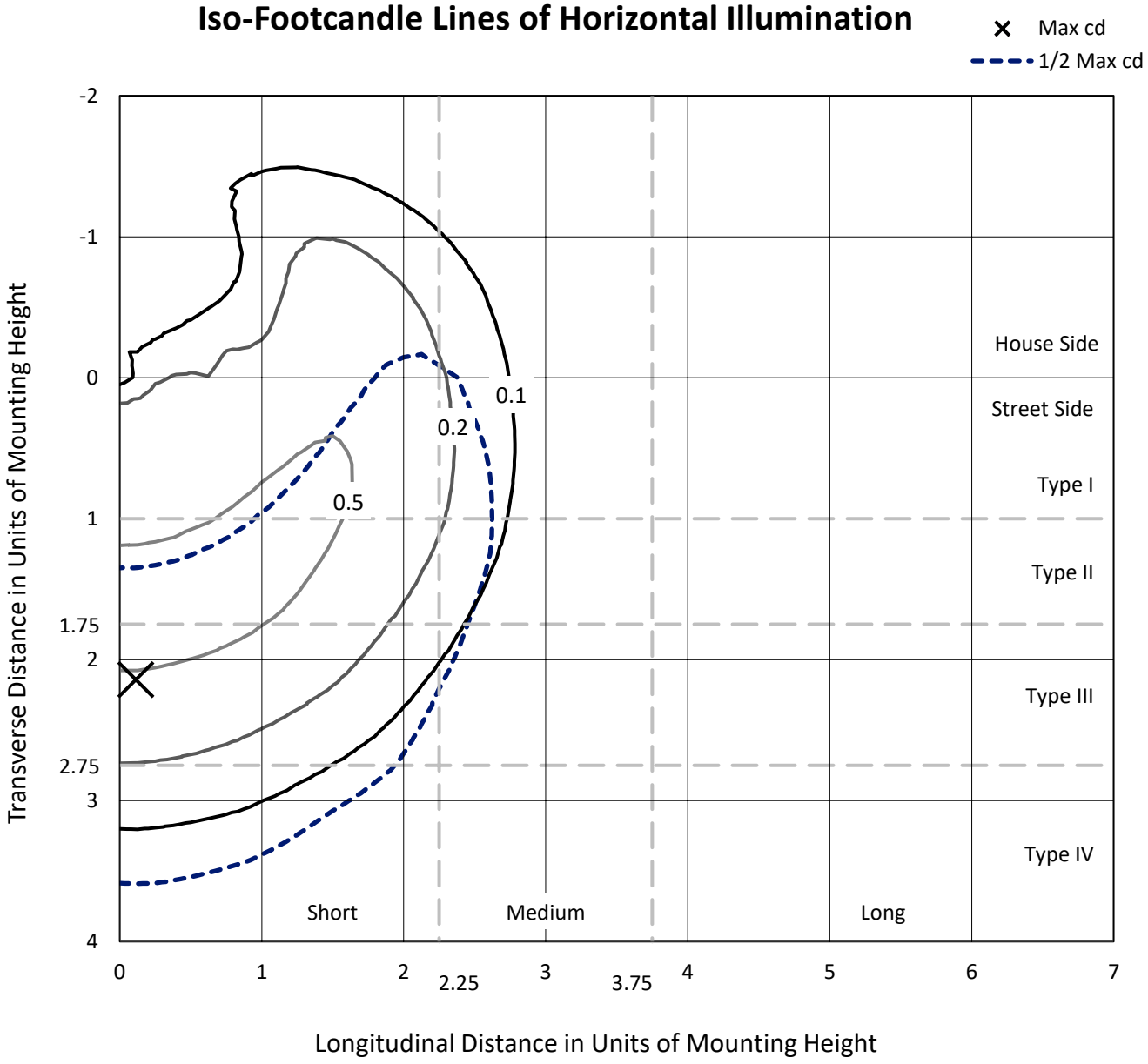


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Iso-Footcandle Lines of Horizontal Illumination



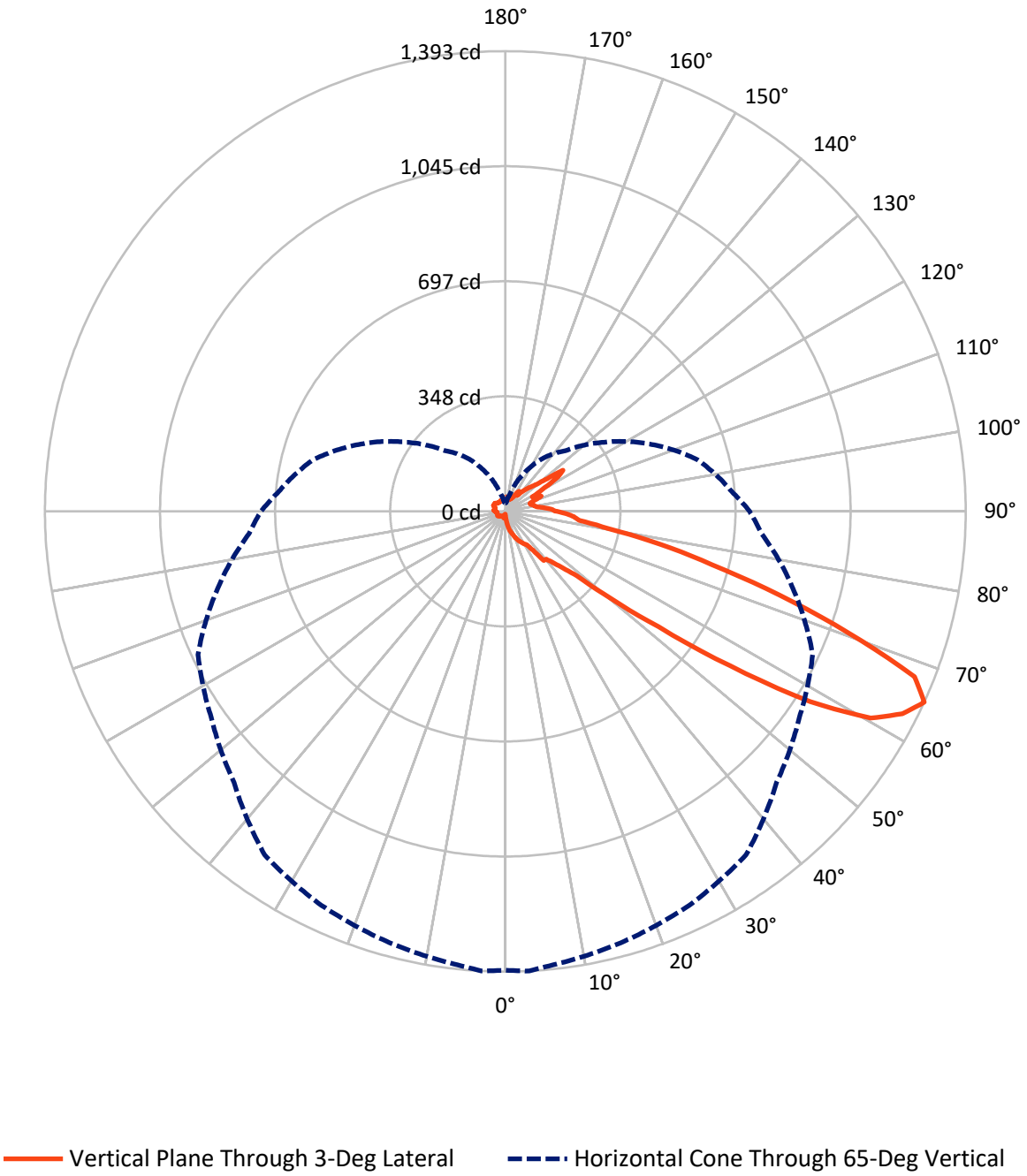
Based on 15 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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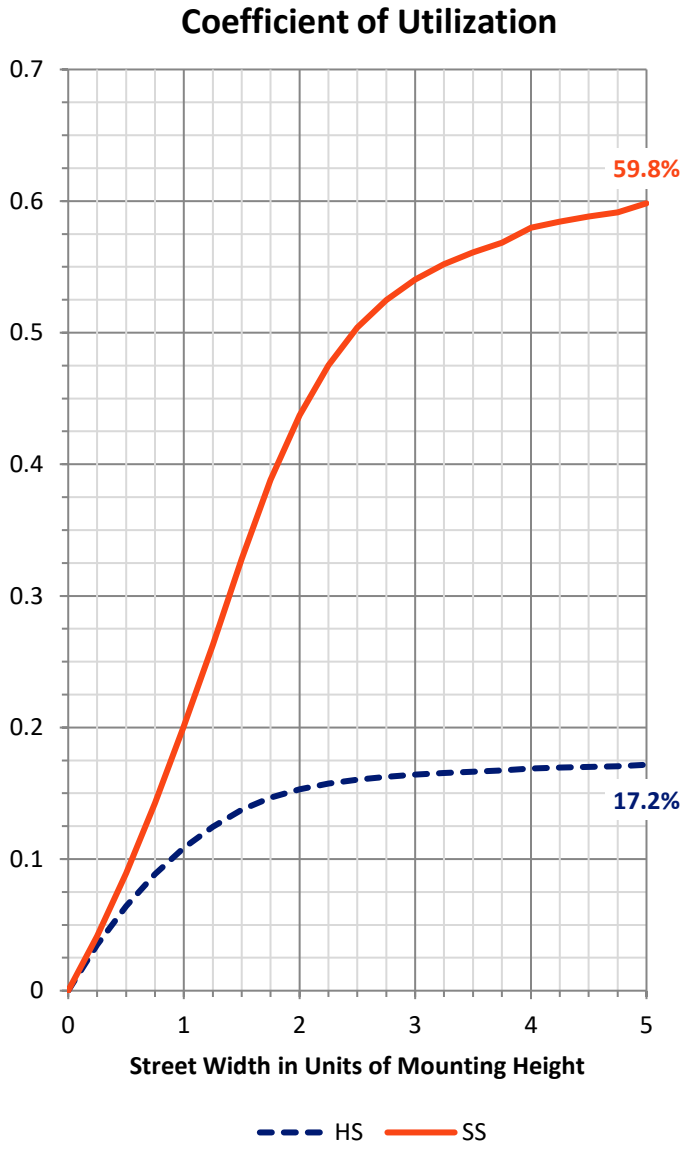
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	405.3	157.8	563.0
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	1416.7	293.6	1710.3
	% Fixture	62.3	12.9	75.2
Total	Lumens	1822.0	451.3	2273.4
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	12.9	0.6
20°-30°	28.4	1.2
30°-40°	56.6	2.5
40°-50°	122.2	5.4
50°-60°	417.8	18.4
60°-70°	678.9	29.9
70°-80°	365.3	16.1
80°-90°	137.6	6.1
90°-100°	86.8	3.8
100°-110°	61.7	2.7
110°-120°	68.1	3.0
120°-130°	104.1	4.6
130°-140°	62.4	2.7
140°-150°	34.5	1.5
150°-160°	19.2	0.8
160°-170°	10.6	0.5
170°-180°	3.9	0.2
0°-90°	1822.0	80.1
0°-180°	2273.4	100.0



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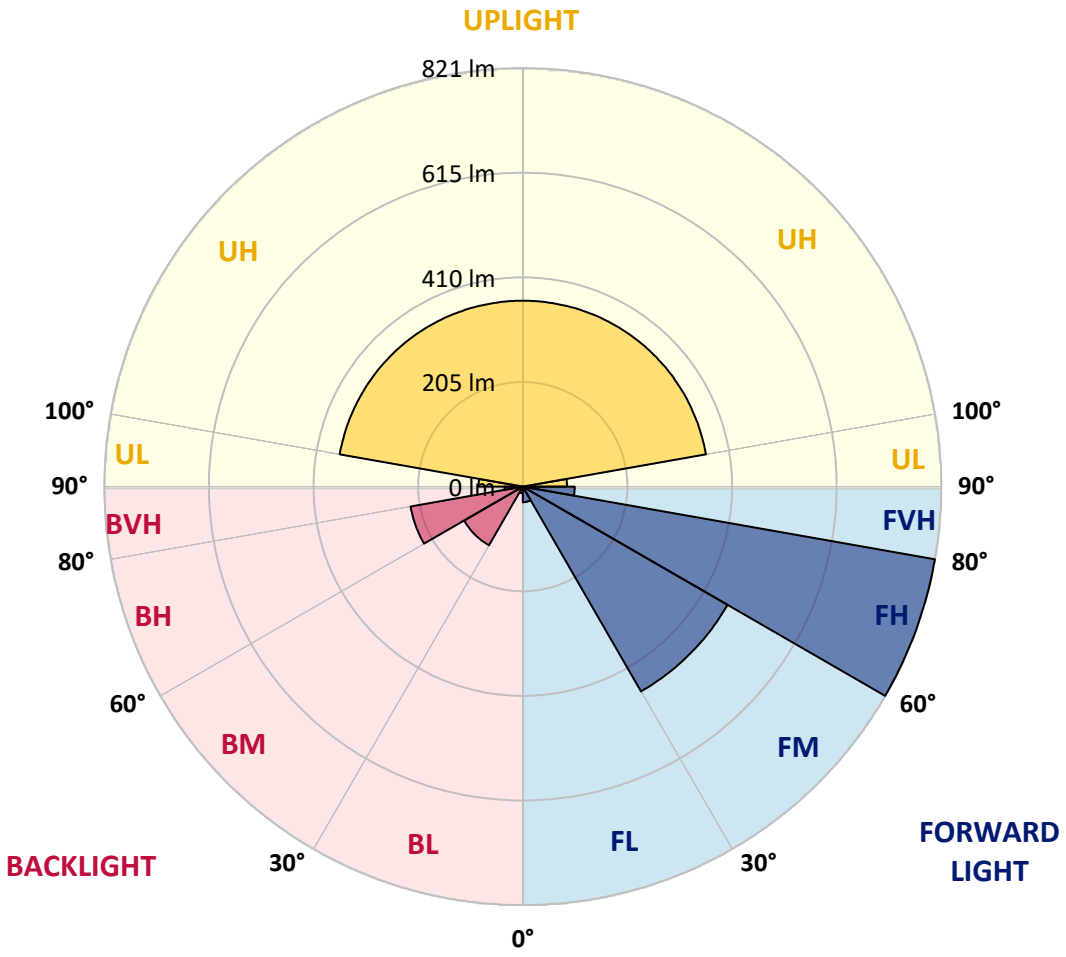
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	30.7	1.3			
FM	(30°-60°)	463.7	20.4			
FH	(60°-80°)	820.7	36.1			G1/1800
FVH	(80°-90°)	101.7	4.5			G2/225
BL	(0°-30°)	12.9	0.6	B0/110		
BM	(30°-60°)	132.9	5.8	B0/220		
BH	(60°-80°)	223.5	9.8	B1/500		G1/500
BVH	(80°-90°)	35.9	1.6			G1/100
UL	(90°-100°)	86.8	3.8		U3/500	
UH	(100°-180°)	364.5	16.0		U3/500	

BUG Rating: B1-U3-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2.5°	18.1	18.3	18.3	18.3	18.8	19.1	18.8	18.1	17.1	16.6	16.0
5°	26.2	26.7	26.5	26.5	26.0	26.0	25.2	24.7	24.2	22.4	20.6
7.5°	36.4	35.9	35.7	35.1	35.4	34.1	33.1	33.1	32.3	30.6	27.8
10°	47.1	47.1	46.3	46.1	45.6	45.1	43.3	42.3	42.3	39.2	35.9
12.5°	58.8	58.6	58.8	58.3	57.6	56.3	54.2	52.0	50.7	47.9	43.0
15°	66.5	66.2	66.2	66.0	65.4	64.2	62.6	60.4	57.0	54.2	49.7
17.5°	74.6	74.1	74.1	72.8	71.8	70.3	69.0	66.7	62.6	57.6	53.2
20°	83.5	83.5	83.5	81.7	79.7	77.7	75.9	73.9	70.8	63.2	57.0
22.5°	91.9	92.2	91.9	90.1	88.4	85.1	82.3	79.7	76.7	69.0	61.6
25°	100.1	100.6	100.3	100.3	98.0	93.7	89.9	86.1	84.0	76.4	66.2
27.5°	107.2	107.5	107.7	109.0	107.7	102.9	96.8	92.2	90.7	82.3	70.0
30°	114.1	114.9	114.9	116.1	115.9	110.5	103.1	98.0	95.0	86.8	73.9
32.5°	120.7	121.2	121.5	124.5	124.3	117.1	110.8	105.2	100.1	94.0	80.5
35°	144.6	143.9	147.7	150.0	148.2	141.8	134.2	123.8	116.6	109.5	95.0
37.5°	189.2	188.7	188.7	183.6	176.5	169.1	167.1	156.1	147.4	138.3	118.4
40°	190.5	190.5	191.2	196.9	200.4	191.0	182.1	171.4	169.6	160.2	136.0
42.5°	209.1	211.1	213.1	217.0	223.3	217.2	207.0	190.0	181.8	172.1	151.5
45°	240.7	243.7	242.7	244.2	242.7	237.3	236.6	227.2	214.9	196.3	168.6
47.5°	292.9	291.1	290.1	296.2	306.1	296.2	293.9	278.9	255.4	231.7	200.2
50°	421.2	413.6	421.5	420.2	418.4	409.2	402.4	387.3	349.1	310.7	265.1
52.5°	593.1	580.6	587.8	592.6	587.5	574.5	553.9	524.6	473.2	423.5	363.4
55°	842.9	825.6	827.9	834.0	837.6	808.0	778.5	713.8	636.6	560.0	494.8
57.5°	1118.7	1087.6	1108.0	1073.9	1059.9	1007.2	982.2	916.8	826.1	723.7	618.6
60°	1274.1	1270.7	1266.9	1240.4	1225.7	1166.6	1108.0	1046.6	965.4	844.4	721.4
62.5°	1341.5	1348.7	1343.1	1329.3	1316.1	1264.1	1162.3	1089.4	1023.5	899.2	776.5
65°	1389.2	1393.2	1383.8	1352.0	1316.1	1269.7	1161.0	1086.6	1026.3	901.0	778.7
67.5°	1334.7	1335.4	1324.0	1282.7	1209.9	1169.1	1063.7	998.8	939.7	832.7	718.4
70°	1099.4	1101.7	1094.5	1057.9	996.7	961.3	859.7	793.0	748.4	674.6	590.3
72.5°	856.9	866.9	856.7	842.2	784.1	757.9	689.6	635.6	594.6	525.1	457.1
75°	644.3	646.6	646.8	630.5	600.0	594.1	547.3	511.6	476.0	418.9	369.0
77.5°	467.3	477.5	473.9	471.1	431.1	433.4	414.8	393.7	371.3	333.3	297.7
80°	310.2	315.5	309.2	310.7	305.3	304.1	286.7	272.5	258.7	241.2	227.2
82.5°	226.1	225.1	224.6	221.8	217.7	218.5	209.8	192.3	175.7	172.1	159.2
85°	209.1	208.3	207.5	202.5	193.8	188.4	183.6	176.5	166.3	150.2	133.4
87.5°	182.8	183.1	181.3	176.0	170.4	168.8	165.0	160.4	155.3	143.4	128.6
90°	150.5	149.7	150.0	146.9	148.0	147.4	141.6	136.0	134.0	123.8	115.1
92.5°	139.0	138.3	138.5	136.2	132.7	131.9	125.5	118.7	115.6	109.2	102.6
95°	116.1	116.1	115.1	114.1	112.3	109.8	106.4	101.9	99.6	94.5	87.9
97.5°	97.5	96.5	97.3	95.5	94.0	93.0	90.4	85.8	83.5	79.7	74.6
100°	90.7	90.7	90.4	89.6	85.8	83.8	81.0	76.7	74.9	71.6	67.7
102.5°	86.8	86.6	86.3	85.6	82.0	78.4	74.9	72.3	70.3	67.5	63.4
105°	79.5	79.5	80.0	79.7	77.2	74.9	71.0	68.8	66.7	63.9	60.1
107.5°	78.7	78.4	78.4	75.4	72.1	70.8	68.0	66.0	64.2	61.4	57.0
110°	90.1	90.7	91.4	86.3	78.4	75.1	71.0	68.8	66.7	63.2	58.6

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	118.2	*118.2*	117.7	114.9	101.1	91.9	89.9	84.0	80.7	75.4	69.0
115°	106.2	*106.4*	106.2	107.0	105.9	94.5	96.5	86.8	92.4	80.0	75.6
117.5°	92.7	*92.4*	91.4	91.7	92.7	100.1	84.0	81.7	84.0	72.8	69.0
120°	129.4	*127.1*	129.4	119.9	118.4	119.7	110.5	108.7	99.1	85.6	75.4
122.5°	190.5	*186.9*	192.0	188.7	191.2	182.8	173.9	166.5	155.9	133.2	112.8
125°	215.2	*214.4*	213.1	208.6	204.5	200.9	202.5	205.3	199.4	181.1	157.4
127.5°	158.4	*160.4*	159.7	168.8	177.8	175.7	170.4	172.9	176.0	175.0	160.9
130°	126.3	*128.1*	129.1	138.0	145.7	145.7	137.0	134.7	137.3	142.6	137.3
132.5°	110.8	*111.3*	111.8	114.9	121.2	124.3	118.9	115.4	116.4	119.2	114.6
135°	99.8	*99.6*	98.8	96.8	97.3	100.3	102.6	102.1	101.4	101.4	98.8
137.5°	86.6	*86.3*	86.3	83.3	82.0	84.5	87.9	90.9	88.9	86.1	83.0
140°	72.1	*71.8*	72.1	73.9	74.4	74.6	76.4	76.4	76.4	76.1	74.9
142.5°	59.8	*60.1*	60.6	65.2	67.5	67.5	65.2	63.2	62.9	64.4	64.7
145°	73.6	*73.6*	73.9	73.6	72.1	70.5	69.0	69.0	67.5	63.9	62.1
147.5°	65.7	*66.7*	66.0	66.7	67.2	67.5	67.2	68.0	68.2	66.2	63.4
150°	51.7	*51.4*	50.9	51.7	53.0	54.5	55.0	55.5	55.8	55.8	55.8
152.5°	44.8	*45.1*	44.8	45.6	46.3	46.6	47.4	47.4	47.6	47.4	46.9
155°	43.5	*43.5*	43.5	43.5	43.8	44.3	45.3	45.8	45.3	44.6	43.3
157.5°	40.5	*40.5*	40.5	40.7	41.3	41.8	42.5	43.0	43.0	42.5	41.5
160°	38.7	*38.7*	38.7	38.7	39.2	39.7	40.2	40.7	40.7	40.5	39.7
162.5°	36.7	*36.7*	36.7	36.9	37.4	37.9	38.5	39.0	38.7	38.7	38.2
165°	36.4	*36.4*	36.4	36.7	37.2	37.9	38.2	38.2	38.5	38.5	38.5
167.5°	37.4	*37.4*	37.7	37.7	38.2	38.5	39.0	39.2	39.5	39.2	39.2
170°	39.0	*39.0*	39.0	39.2	39.5	39.5	39.7	39.7	40.0	40.0	40.0
172.5°	41.0	*41.0*	41.0	41.0	40.7	40.7	40.7	40.7	41.0	40.7	41.0
175°	43.3	*43.3*	43.3	43.0	42.8	42.8	42.5	42.5	42.3	42.0	42.0
177.5°	43.5	*43.5*	43.5	43.5	43.3	43.0	43.0	42.8	42.5	42.5	42.5
180°	42.5	*42.5*	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2.5°	15.5	15.0	13.8	12.7	12.0	11.0	10.2	9.4	8.9	8.7	8.4
5°	20.4	19.4	17.8	16.3	15.0	13.2	12.2	10.4	9.2	8.7	8.4
7.5°	26.7	26.0	25.2	25.0	24.4	22.2	18.8	16.3	15.8	15.3	15.8
10°	34.1	32.6	30.3	31.6	31.6	27.2	22.7	20.1	19.9	20.9	21.1
12.5°	41.0	39.0	36.2	35.9	33.1	27.2	22.4	19.9	19.6	19.9	20.1
15°	47.4	45.1	42.0	39.5	35.1	29.0	23.4	20.1	19.4	20.1	20.1
17.5°	50.9	48.6	44.3	39.5	34.4	28.8	23.2	19.6	17.8	16.8	16.8
20°	55.3	53.5	47.6	41.5	34.6	28.5	22.9	19.1	17.1	16.0	15.8
22.5°	59.1	57.0	50.7	44.1	36.2	28.5	22.2	18.8	17.1	16.0	15.8
25°	63.7	60.6	54.2	46.9	37.4	28.5	22.2	19.1	17.3	16.3	16.0
27.5°	66.7	63.2	57.0	48.9	39.0	29.0	22.9	19.4	17.3	16.3	16.3
30°	69.8	66.5	59.3	51.7	40.7	30.3	24.2	20.4	18.1	16.8	16.8
32.5°	75.9	71.6	62.9	54.0	42.3	31.3	25.5	21.4	18.8	17.6	17.6
35°	89.6	83.5	73.1	60.6	44.3	32.3	26.7	22.7	19.4	17.8	17.8
37.5°	110.5	102.9	90.1	73.1	49.4	33.9	27.8	23.2	19.9	18.6	18.3
40°	124.3	114.9	99.6	83.0	56.8	36.4	29.0	23.9	20.4	18.8	18.6
42.5°	140.8	129.4	109.0	86.1	60.6	41.8	31.6	25.2	21.1	19.1	18.8
45°	155.9	146.2	127.1	100.6	71.6	49.7	36.2	27.5	22.4	19.9	19.6
47.5°	186.4	171.4	145.9	118.7	85.3	61.6	44.1	31.1	24.4	20.9	20.4
50°	246.0	230.5	199.7	157.4	110.3	78.4	56.8	37.7	27.0	21.9	21.1
52.5°	334.1	305.6	271.2	214.2	156.4	113.3	80.5	53.2	32.1	22.9	21.6
55°	452.0	435.7	374.9	302.3	222.8	169.6	123.8	82.8	47.9	24.2	21.9
57.5°	587.2	554.9	499.4	409.0	298.0	216.0	167.3	123.3	70.5	28.3	23.2
60°	674.3	640.7	577.1	485.6	362.6	257.5	190.7	137.3	80.0	29.0	24.2
62.5°	730.6	683.5	602.8	495.8	381.5	274.5	201.4	130.4	68.2	28.3	25.0
65°	*739.3*	*688.1*	*602.8*	*481.8*	*364.4*	*260.5*	*194.8*	*120.5*	*53.7*	*27.0*	*26.0*
67.5°	688.1	632.6	561.8	441.8	327.0	223.3	167.3	98.3	40.7	26.2	25.7
70°	557.2	522.3	457.9	360.1	261.0	182.8	133.2	75.4	33.1	25.5	25.2
72.5°	425.8	400.6	355.5	280.6	201.2	141.1	101.6	59.3	29.8	25.0	24.7
75°	339.0	316.0	279.4	216.2	153.6	108.7	75.9	45.6	27.2	25.0	24.4
77.5°	279.6	259.5	226.4	171.4	112.0	81.2	57.6	36.9	26.7	25.0	24.7
80°	215.2	200.7	176.0	124.5	80.2	60.9	45.8	32.9	26.7	25.5	25.2
82.5°	152.5	146.9	128.3	97.0	67.5	53.0	42.3	32.3	27.2	26.0	25.7
85°	126.8	120.2	107.0	84.5	62.9	51.2	41.8	33.1	28.5	27.5	27.2
87.5°	122.2	117.9	104.9	81.7	60.4	48.9	40.0	32.3	28.5	28.0	28.3
90°	110.5	105.7	95.8	76.1	57.8	48.6	40.7	33.6	29.5	29.0	28.8
92.5°	100.3	97.5	88.9	73.6	59.6	50.4	43.0	36.7	33.4	32.3	32.3
95°	85.8	83.0	78.2	67.5	56.8	49.4	43.0	37.4	34.6	34.1	33.9
97.5°	73.1	71.3	67.2	58.8	50.4	44.3	38.7	34.4	32.1	31.3	31.3
100°	66.7	65.2	61.9	56.3	49.9	44.8	40.2	36.4	34.4	33.9	33.9
102.5°	62.1	60.9	57.8	53.7	48.1	44.1	40.2	36.9	34.6	34.1	34.4
105°	58.3	57.0	54.0	49.9	45.3	41.0	38.2	35.7	33.1	32.3	32.3
107.5°	55.5	54.2	51.7	47.6	43.8	40.0	36.9	34.9	32.9	32.3	32.3
110°	56.8	55.0	51.2	46.9	43.5	40.2	37.7	35.7	34.1	33.4	33.4

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

Scaled Data Report

REPORT NUMBER: P1045821
CATALOG NUMBER: FFX-CLB-20-750-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	66.5	63.7	57.3	51.2	46.9	43.0	40.2	37.4	36.2	35.1	35.1
115°	72.8	70.0	63.7	56.3	49.9	44.6	40.7	38.5	36.9	37.9	37.4
117.5°	66.5	64.4	59.6	54.2	49.1	44.6	41.3	39.7	38.7	40.0	40.5
120°	73.1	69.3	65.4	59.3	49.9	43.5	41.3	40.7	40.7	39.7	39.7
122.5°	104.4	98.0	83.8	73.3	60.4	53.2	48.9	44.8	40.7	39.2	39.0
125°	146.2	134.2	116.1	97.8	80.0	64.9	52.5	44.8	41.0	38.7	38.2
127.5°	153.8	143.4	126.8	104.7	80.5	63.4	52.2	46.3	42.0	39.5	39.2
130°	129.9	124.8	110.0	90.9	72.3	59.1	51.7	46.3	42.3	40.0	39.5
132.5°	110.3	106.7	93.0	77.7	64.4	54.8	48.1	42.3	38.5	36.4	35.9
135°	94.7	92.4	80.5	69.5	59.6	51.7	44.8	39.2	36.2	34.9	34.6
137.5°	81.2	78.9	70.8	63.2	55.5	48.6	43.0	38.2	35.4	34.6	34.4
140°	72.8	70.8	65.7	57.6	50.2	43.0	39.0	35.9	34.4	33.9	33.6
142.5°	63.4	61.1	55.5	49.7	44.6	39.0	36.2	34.9	34.1	33.6	33.4
145°	60.1	58.6	52.2	46.9	42.0	39.2	37.7	35.9	34.4	33.4	33.1
147.5°	60.9	59.1	53.5	48.4	44.1	41.0	38.5	35.9	33.9	32.9	32.6
150°	54.5	54.0	50.7	46.6	42.5	39.2	36.7	34.6	33.4	33.1	33.1
152.5°	45.6	45.3	43.8	41.5	38.7	36.2	34.4	33.4	33.4	33.9	34.1
155°	42.8	42.0	41.0	39.5	37.2	35.4	34.1	33.6	33.9	34.4	34.4
157.5°	41.3	40.5	39.5	38.2	36.9	35.4	34.4	34.1	34.6	35.1	35.1
160°	39.2	38.7	37.9	36.7	35.7	34.9	34.4	34.4	34.6	34.9	34.9
162.5°	37.9	37.4	36.7	35.9	35.4	35.1	34.9	34.6	34.9	35.1	35.1
165°	37.9	37.7	36.7	35.9	35.7	35.7	35.7	35.7	35.7	35.4	35.4
167.5°	39.0	38.7	37.9	37.4	37.2	37.4	37.4	37.2	36.9	36.4	36.4
170°	40.0	39.7	39.5	39.2	39.0	39.2	39.2	39.2	39.0	39.0	38.7
172.5°	41.0	40.7	40.5	40.2	40.2	40.2	40.5	40.7	40.7	40.7	40.7
175°	42.0	42.0	41.5	41.3	41.3	41.3	41.5	41.5	41.8	41.8	41.8
177.5°	42.5	42.5	42.5	42.5	42.8	42.5	42.5	42.3	42.3	42.3	42.3
180°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5

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: SP1-2501-332-10

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-750-U-FR-T5-UPLR-P-HSS

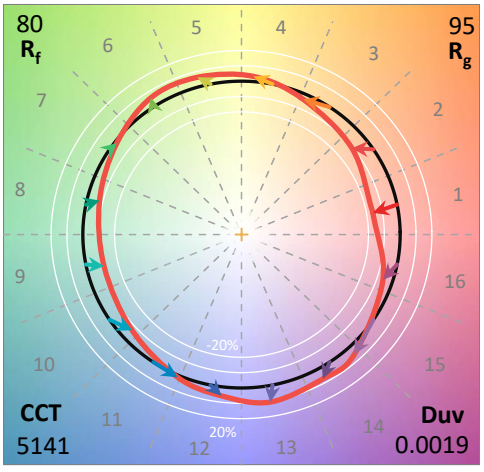
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Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-10
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-20-750-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):	5141	CRI (Ra):	78.0		
CIE u':	0.2087	R1:	75.1	R9:	-20.0
CIE v':	0.4845	R2:	83.7	R10:	62.4
Duv:	0.0019	R3:	90.5	R11:	77.7
CIE x:	0.3415	R4:	78.3	R12:	58.6
CIE y:	0.3524	R5:	77.1	R13:	76.9
CIE z:	0.3060	R6:	78.0	R14:	95.0
Peak Wavelength (nm):	448	R7:	82.9	R15:	67.8
Dominant Wavelength (nm):	568	R8:	58.7		
Purity:	8.219556				
Rf:	79.6				
Rg:	95.3				



Test Conditions

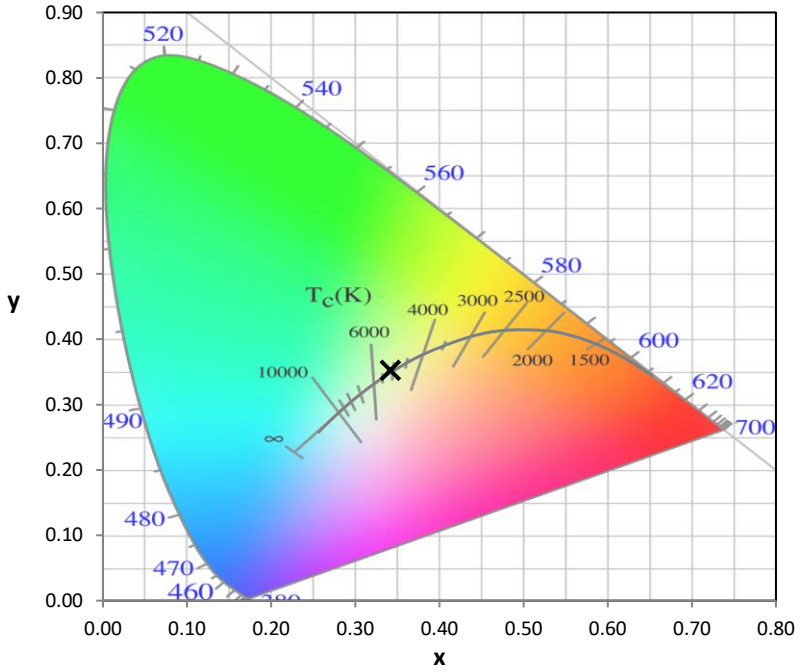
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-10

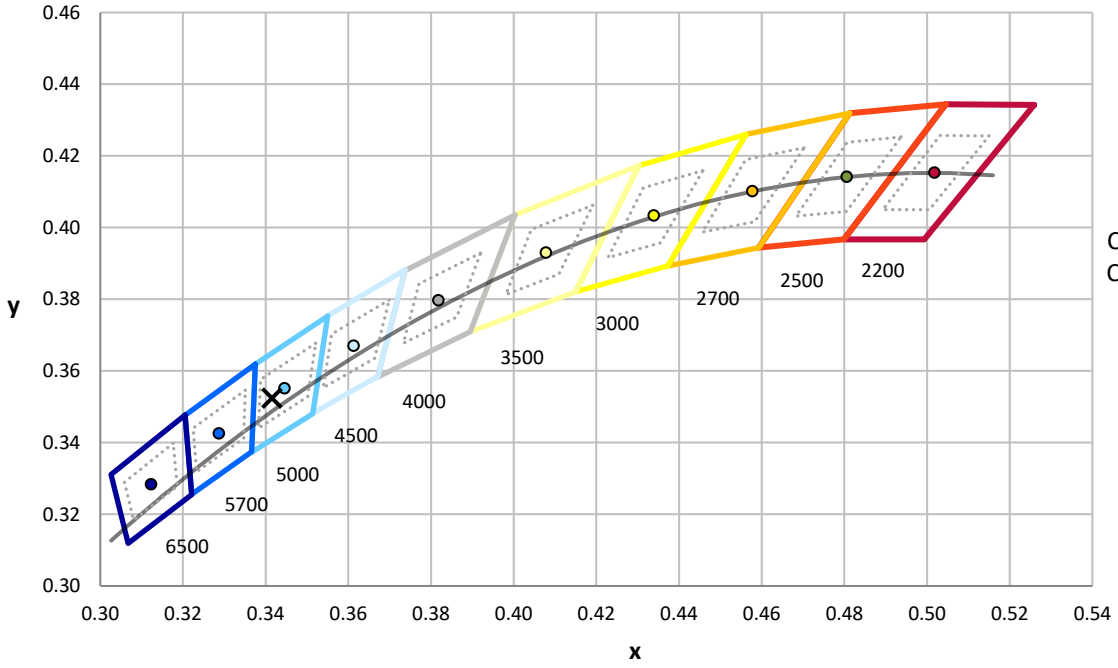
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-10

CIE 1931 Chromaticity Diagram



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

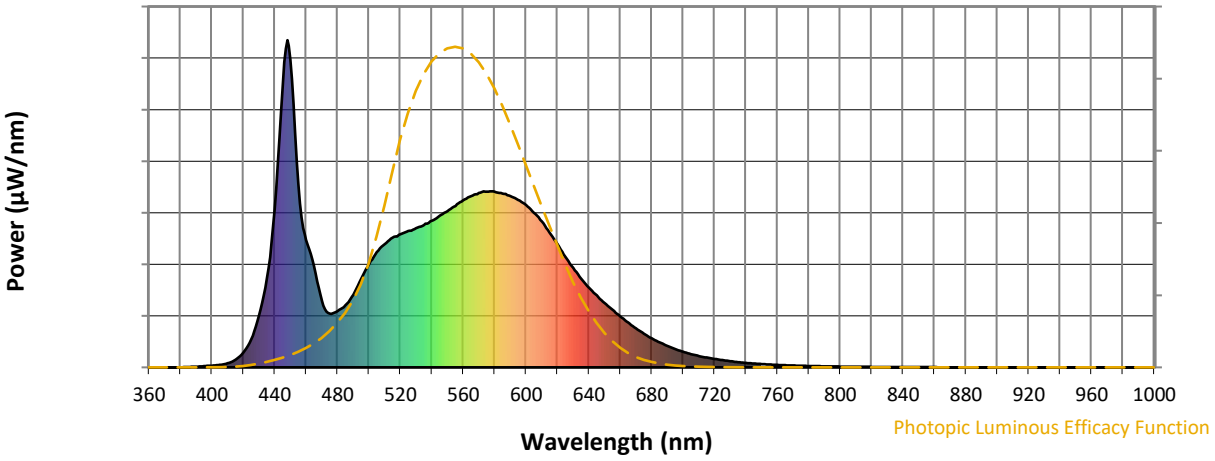


CCT = 5141K
CIE x = 0.3415
CIE y = 0.3524
Duv = 0.0019

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-10

Photopic Flux vs. Wavelength

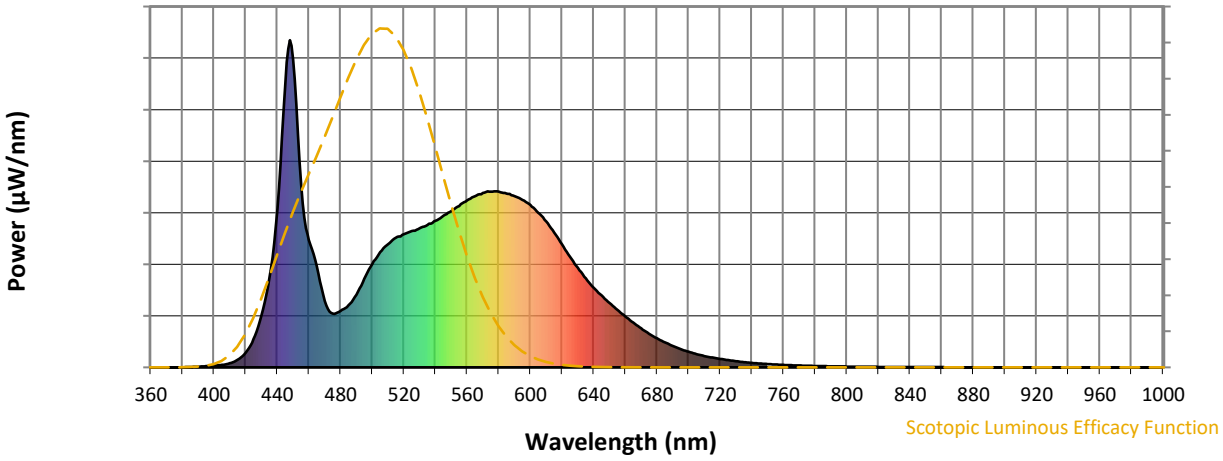


Photopic Lumens: NR

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Scotopic Flux vs. Wavelength

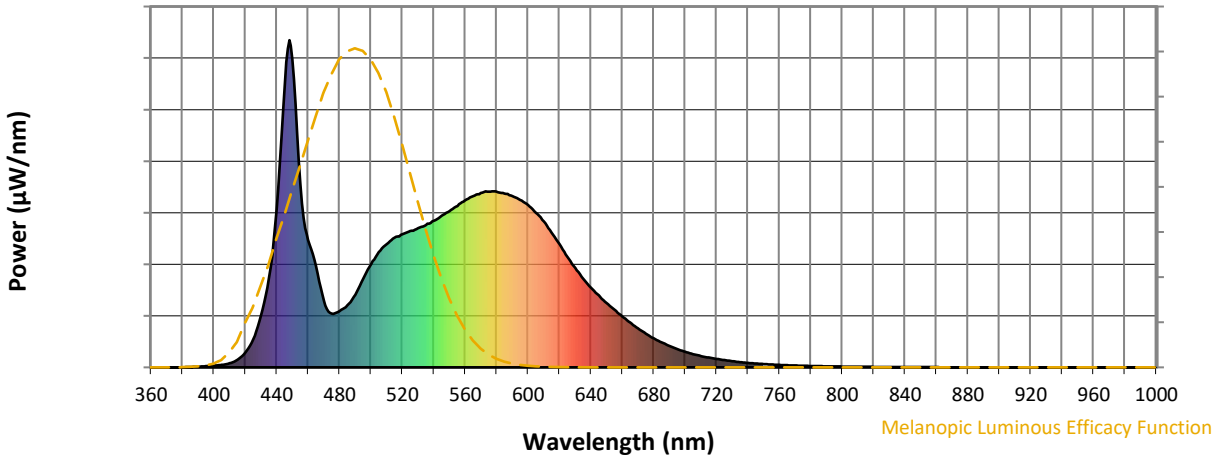


Scotopic Lumens: NR **S/P: 1.92**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.05**

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	222	NR	620	377	NR	750	10	NR	880	0	NR
365	0	NR	495	270	NR	625	338	NR	755	9	NR	885	0	NR
370	0	NR	500	315	NR	630	304	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	272	NR	765	7	NR	895	0	NR
380	0	NR	510	377	NR	640	244	NR	770	6	NR	900	0	NR
385	1	NR	515	396	NR	645	220	NR	775	5	NR	905	0	NR
390	2	NR	520	407	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	416	NR	655	176	NR	785	4	NR	915	0	NR
400	5	NR	530	425	NR	660	155	NR	790	3	NR	920	0	NR
405	8	NR	535	435	NR	665	137	NR	795	3	NR	925	0	NR
410	13	NR	540	448	NR	670	119	NR	800	2	NR	930	0	NR
415	23	NR	545	464	NR	675	103	NR	805	2	NR	935	0	NR
420	45	NR	550	477	NR	680	89	NR	810	2	NR	940	0	NR
425	86	NR	555	493	NR	685	77	NR	815	2	NR	945	0	NR
430	158	NR	560	511	NR	690	65	NR	820	1	NR	950	0	NR
435	274	NR	565	524	NR	695	56	NR	825	1	NR	955	0	NR
440	483	NR	570	533	NR	700	48	NR	830	1	NR	960	0	NR
445	857	NR	575	537	NR	705	41	NR	835	1	NR	965	0	NR
450	941	NR	580	537	NR	710	35	NR	840	1	NR	970	0	NR
455	561	NR	585	532	NR	715	30	NR	845	1	NR	975	0	NR
460	389	NR	590	524	NR	720	26	NR	850	1	NR	980	0	NR
465	309	NR	595	512	NR	725	22	NR	855	1	NR	985	0	NR
470	203	NR	600	495	NR	730	19	NR	860	1	NR	990	0	NR
475	165	NR	605	473	NR	735	16	NR	865	0	NR	995	0	NR
480	173	NR	610	446	NR	740	14	NR	870	0	NR	1000	0	NR
485	190	NR	615	412	NR	745	12	NR	875	0	NR			

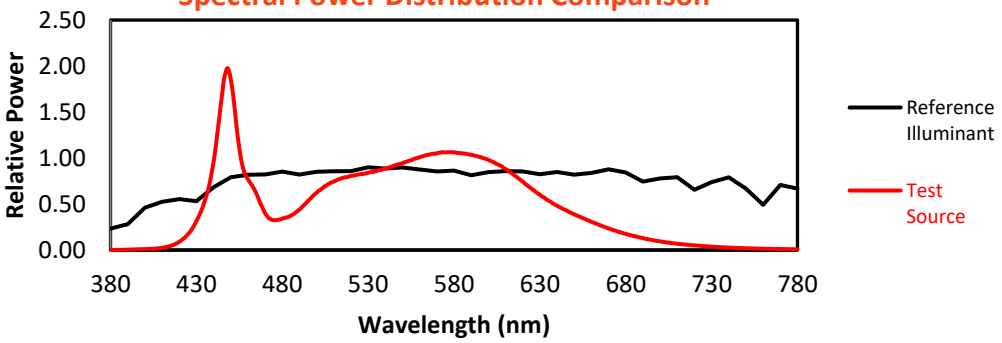
REPORT NUMBER: SP1-2501-332-10

TM-30-18

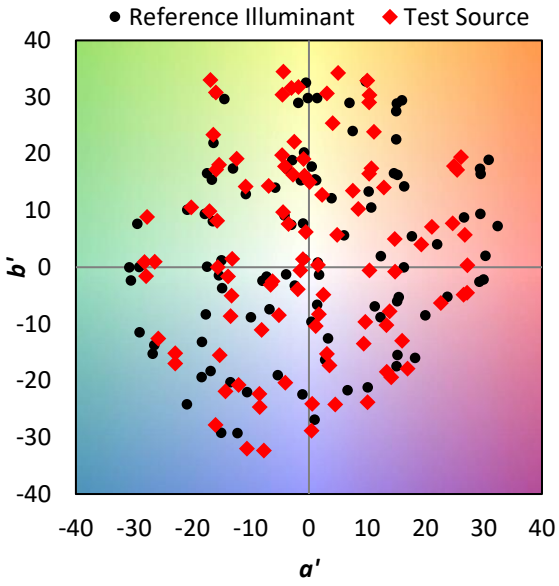
Summary

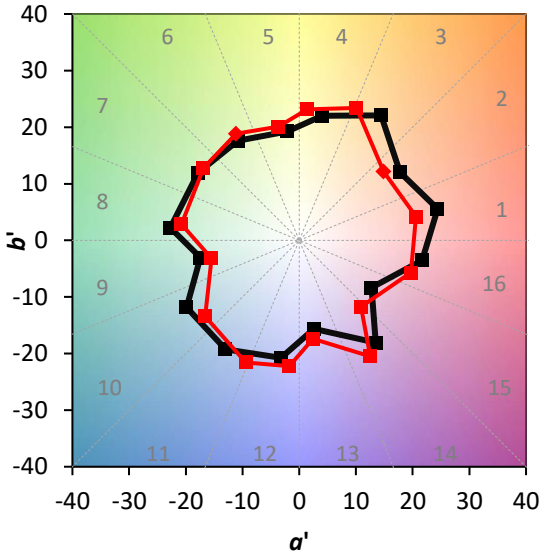
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R_g = 95.3
CIE R_a = 78.0
R_9 = -20.0

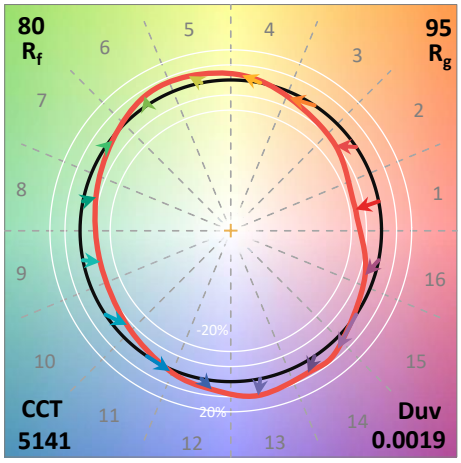
Spectral Power Distribution Comparison

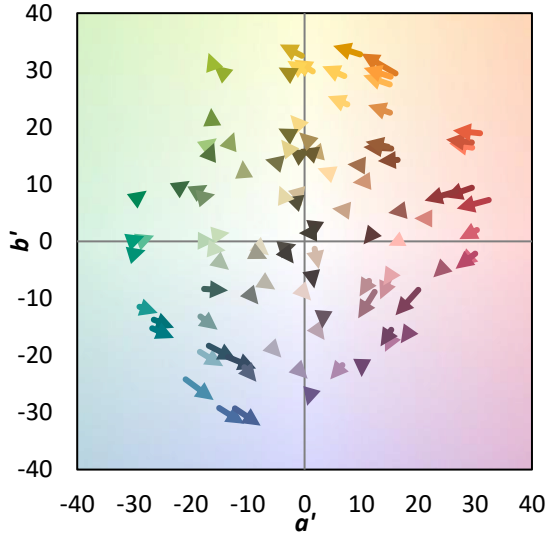


Color Vector Graphics







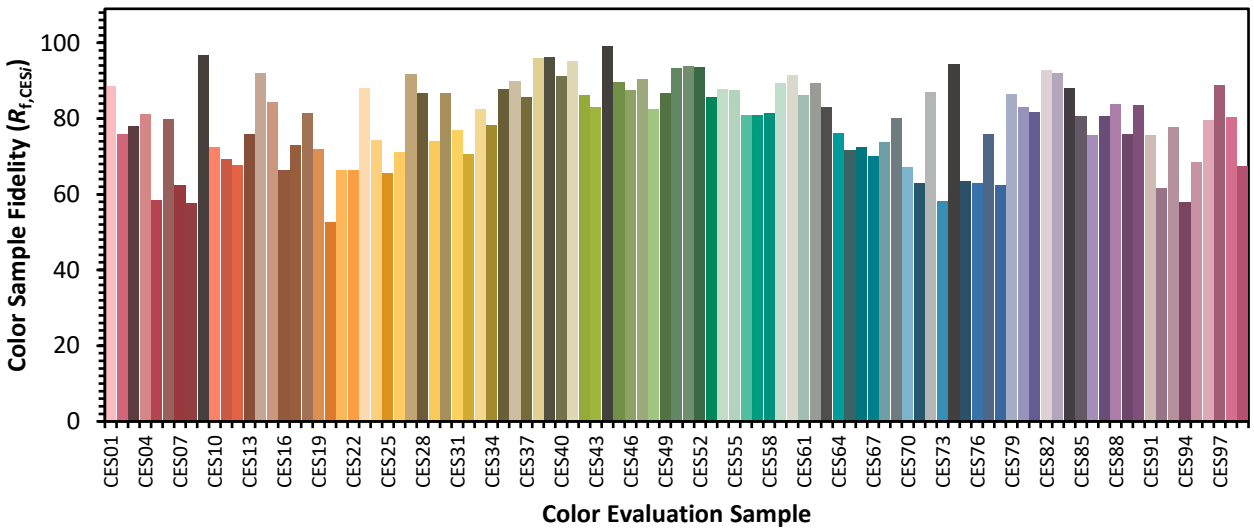


REPORT NUMBER: SP1-2501-332-10

TM-30-18

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

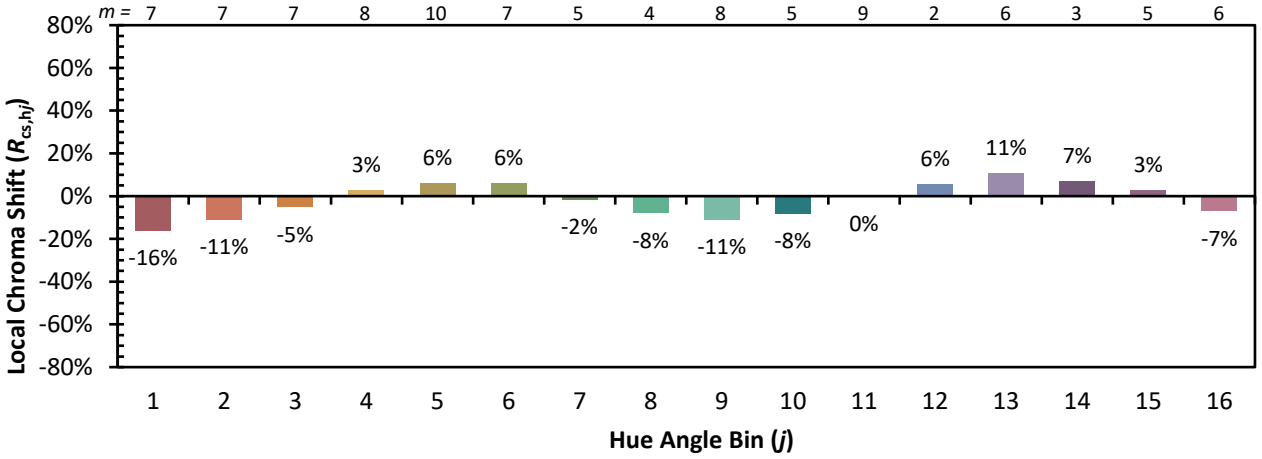
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CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 76
CES03 = 30	CES28 = 87	CES53 = 86	CES78 = 63
CES04 = 69	CES29 = 74	CES54 = 88	CES79 = 86
CES05 = 46	CES30 = 87	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 77	CES56 = 81	CES81 = 82
CES07 = 39	CES32 = 70	CES57 = 81	CES82 = 93
CES08 = 38	CES33 = 83	CES58 = 82	CES83 = 92
CES09 = 29	CES34 = 78	CES59 = 89	CES84 = 88
CES10 = 73	CES35 = 88	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 90	CES61 = 86	CES86 = 76
CES12 = 61	CES37 = 86	CES62 = 89	CES87 = 81
CES13 = 42	CES38 = 96	CES63 = 83	CES88 = 84
CES14 = 74	CES39 = 96	CES64 = 76	CES89 = 76
CES15 = 70	CES40 = 91	CES65 = 72	CES90 = 83
CES16 = 46	CES41 = 95	CES66 = 72	CES91 = 76
CES17 = 49	CES42 = 86	CES67 = 70	CES92 = 62
CES18 = 55	CES43 = 83	CES68 = 74	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 58
CES20 = 64	CES45 = 90	CES70 = 67	CES95 = 68
CES21 = 85	CES46 = 88	CES71 = 63	CES96 = 79
CES22 = 77	CES47 = 90	CES72 = 87	CES97 = 89
CES23 = 91	CES48 = 83	CES73 = 58	CES98 = 80
CES24 = 90	CES49 = 87	CES74 = 94	CES99 = 67
CES25 = 71	CES50 = 93	CES75 = 64	

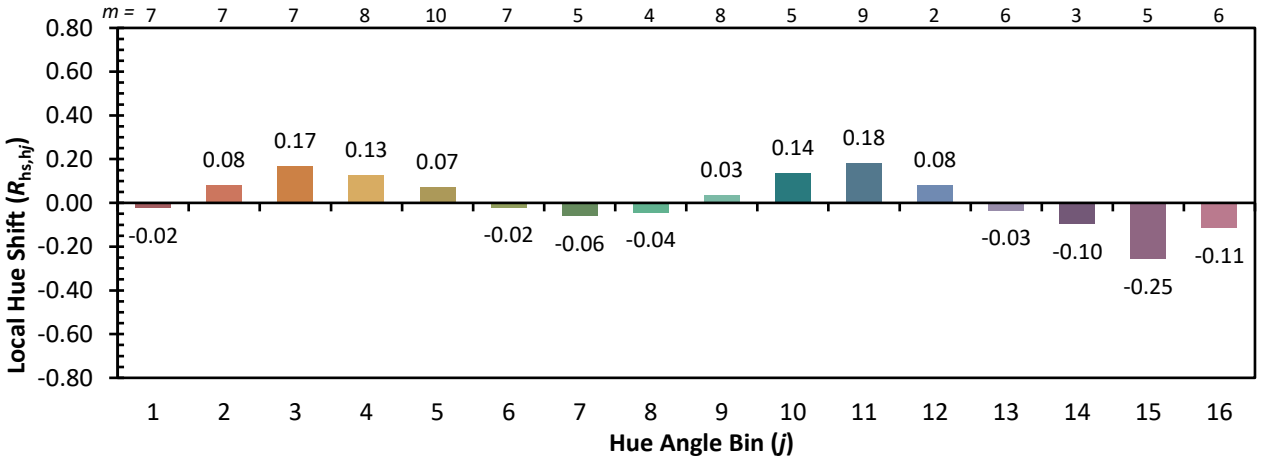


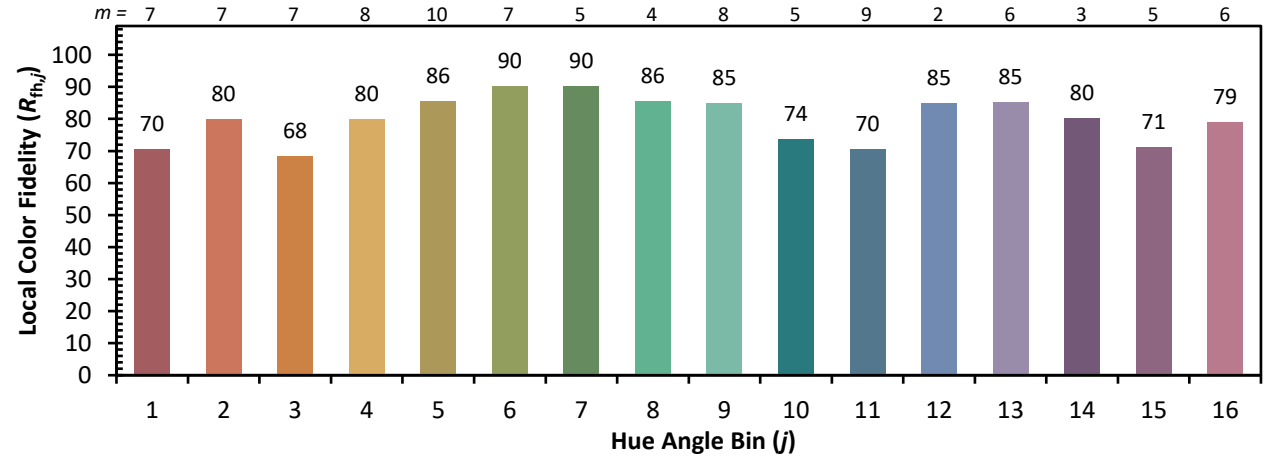
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Color Rendition by Hue-Angle Bin



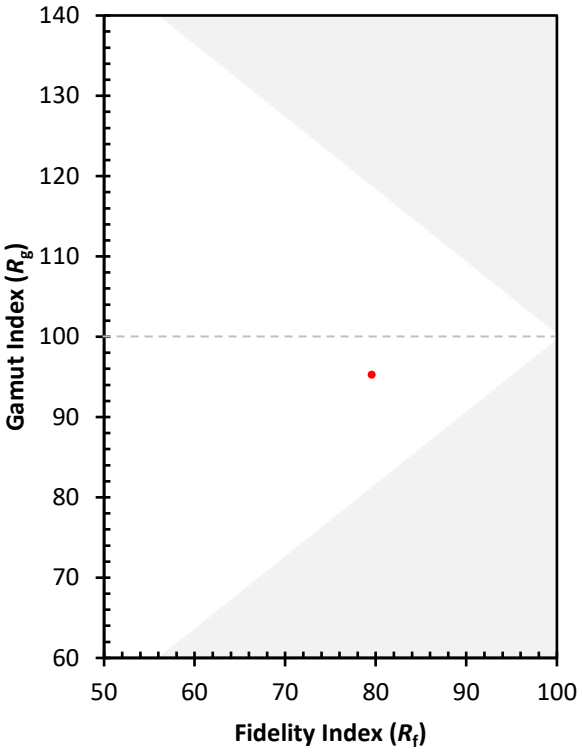


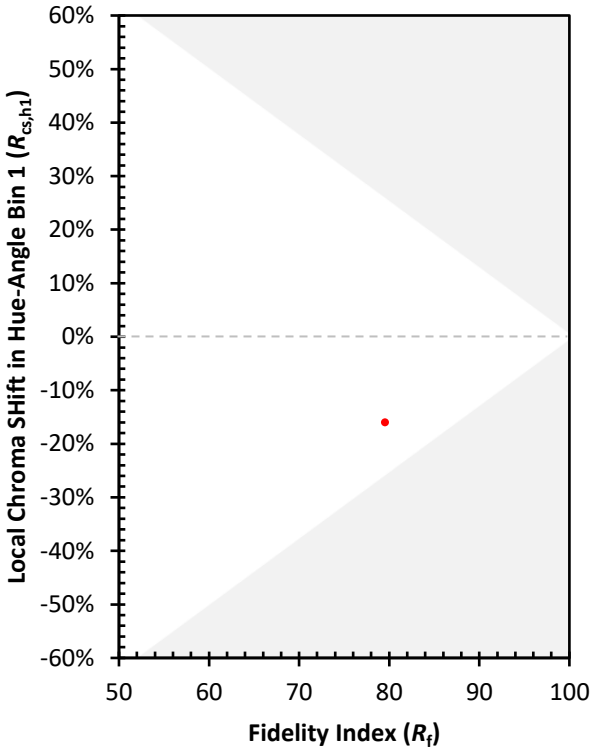


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Measure Comparisons





(END OF REPORT)