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: P1045954

Luminaire Tested: **FFX-CLB-40-750-U-FG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045954
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-750-U-FG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4703.9 lumens
Efficiency:	N/A
Efficacy:	119.4 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

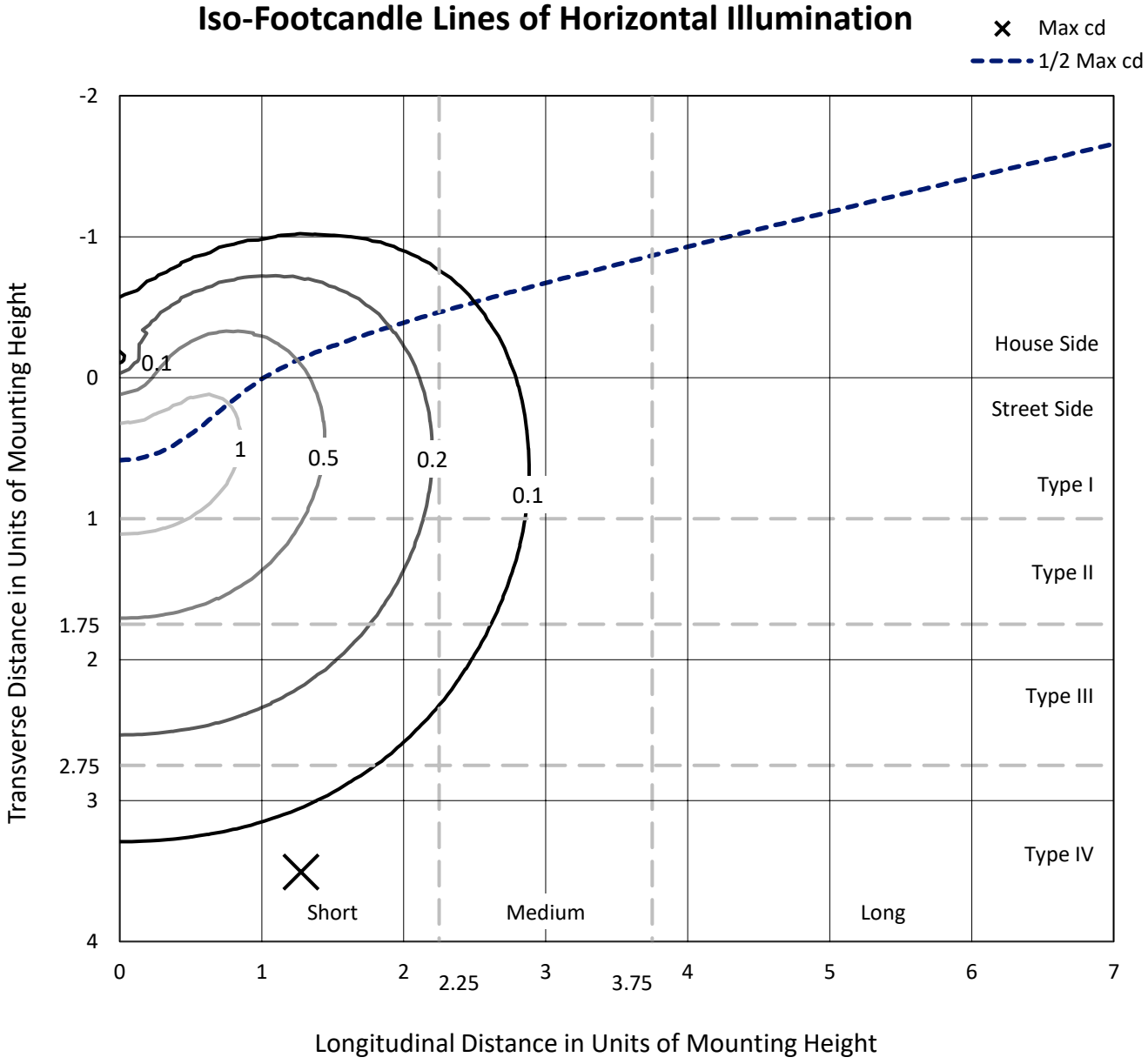


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REPORT NUMBER: P1045954
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Iso-Footcandle Lines of Horizontal Illumination



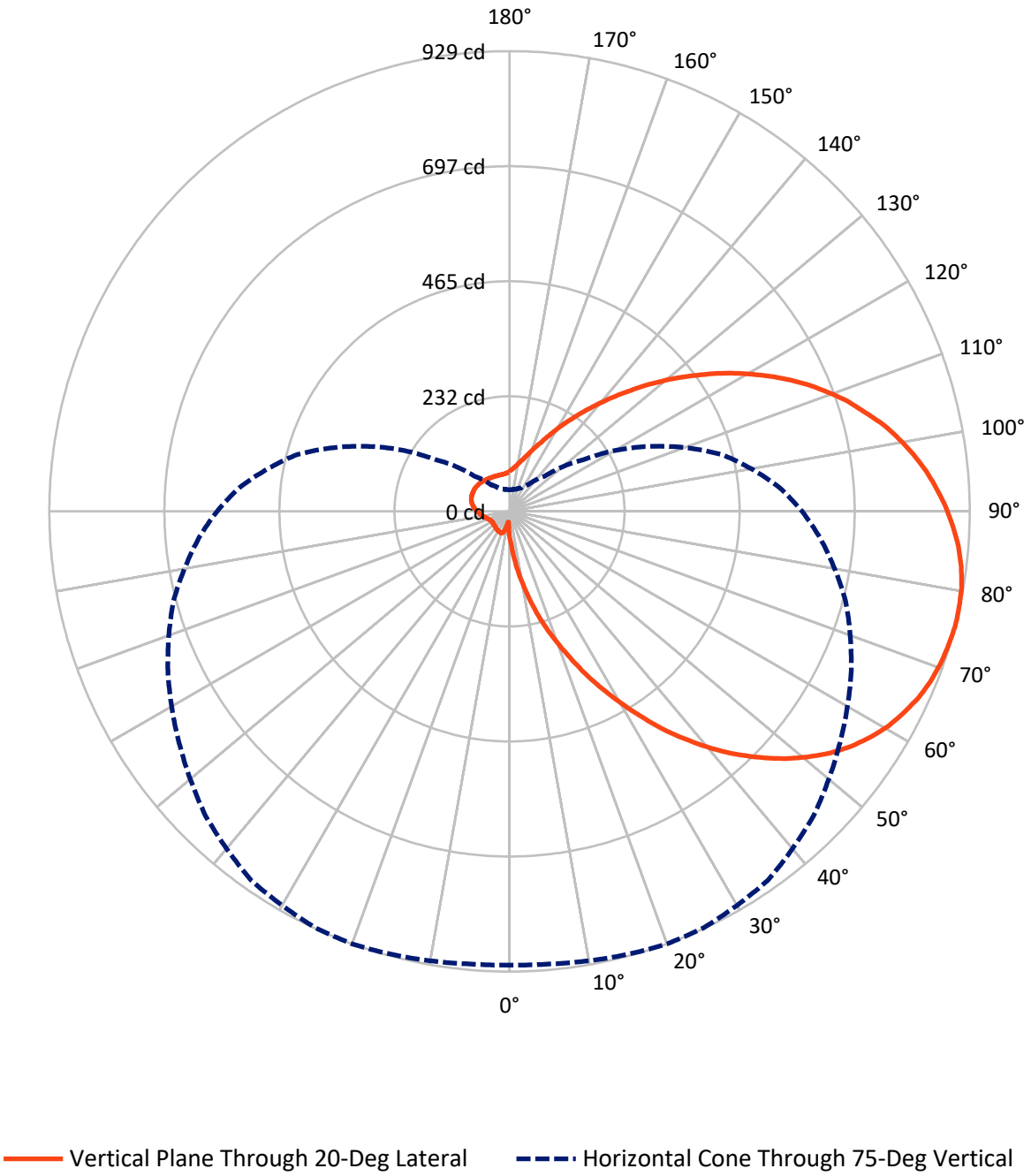
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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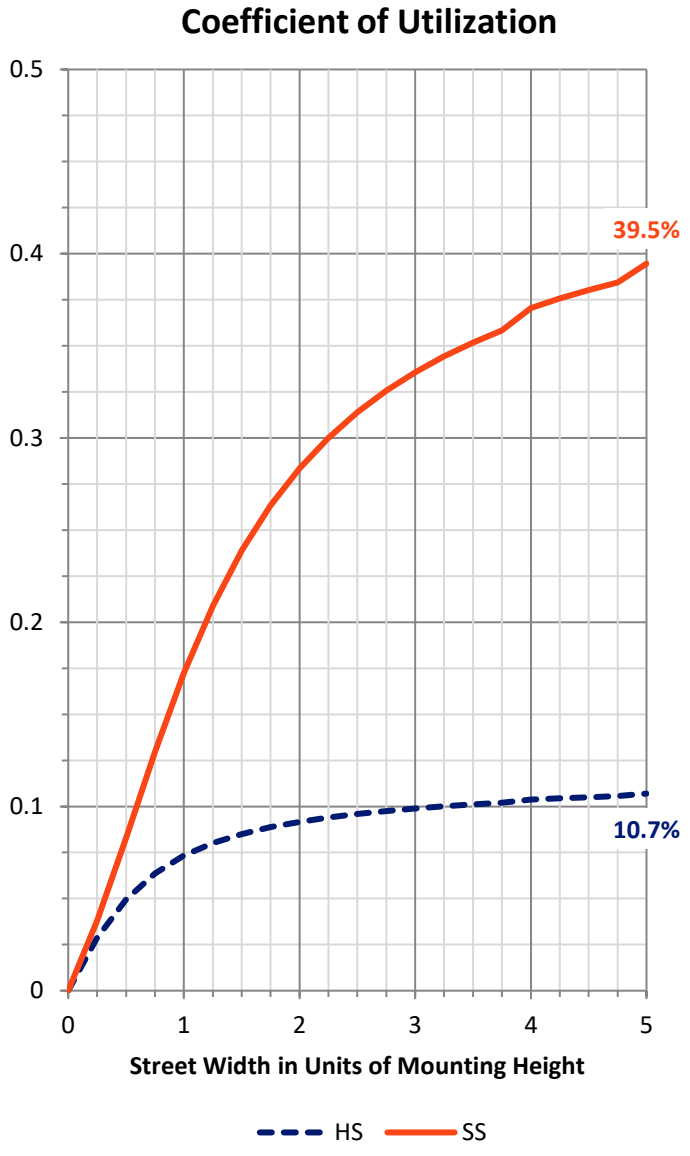
REPORT NUMBER: P1045954
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	543.8	517.4	1061.2
	% Fixture	11.6	11.0	22.6
Street Side	Lumens	2135.4	1507.2	3642.7
	% Fixture	45.4	32.0	77.4
Total	Lumens	2679.3	2024.6	4703.9
	% Fixture	57.0	43.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.1
10°-20°	39.2	0.8
20°-30°	104.0	2.2
30°-40°	200.8	4.3
40°-50°	314.5	6.7
50°-60°	420.5	8.9
60°-70°	498.3	10.6
70°-80°	542.8	11.5
80°-90°	552.6	11.7
90°-100°	524.0	11.1
100°-110°	463.4	9.9
110°-120°	376.3	8.0
120°-130°	277.0	5.9
130°-140°	183.6	3.9
140°-150°	108.2	2.3
150°-160°	57.2	1.2
160°-170°	27.0	0.6
170°-180°	7.9	0.2
0°-90°	2679.3	57.0
0°-180°	4703.9	100.0



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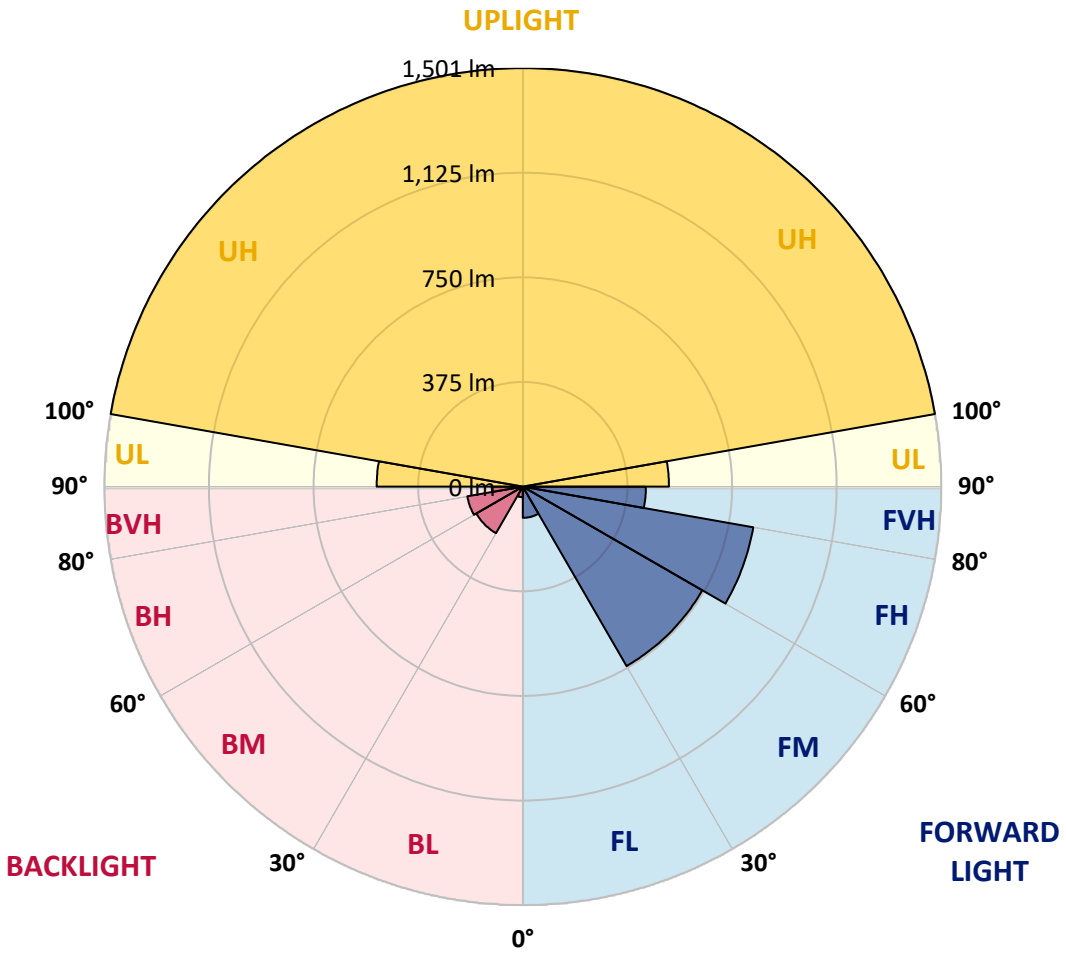
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	111.9	2.4			
FM	(30°-60°)	743.2	15.8			
FH	(60°-80°)	839.1	17.8			G1/1800
FVH	(80°-90°)	441.2	9.4			G3/500
BL	(0°-30°)	38.0	0.8	B0/110		
BM	(30°-60°)	192.5	4.1	B0/220		
BH	(60°-80°)	202.0	4.3	B1/500		G1/500
BVH	(80°-90°)	111.4	2.4			G2/225
UL	(90°-100°)	524.0	11.1		U4/1000	
UH	(100°-180°)	1500.5	31.9		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	53.9	53.9	53.9	*53.9*	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	65.7	65.7	66.2	*66.2*	66.7	65.7	64.3	63.3	61.8	58.3	55.4
5°	91.4	91.9	90.9	*91.4*	91.9	89.5	86.0	81.6	75.1	69.2	62.8
7.5°	122.6	124.1	121.6	*121.1*	119.6	115.7	110.7	103.8	96.9	89.0	79.6
10°	156.7	156.2	153.2	*149.8*	148.8	143.8	137.4	131.0	120.6	110.7	100.8
12.5°	188.8	188.3	185.8	*183.4*	181.9	175.5	167.6	160.1	149.3	136.4	124.1
15°	222.4	222.9	220.4	*219.0*	216.0	209.6	203.1	192.3	181.4	166.6	151.7
17.5°	256.0	257.0	254.5	*253.6*	251.1	245.6	237.2	225.9	212.0	194.7	176.0
20°	293.1	294.1	292.6	*289.1*	286.2	280.2	272.8	258.5	243.2	225.4	201.2
22.5°	332.6	333.1	328.7	*327.7*	324.7	319.3	308.4	295.6	278.3	255.5	230.3
25°	371.7	371.7	370.7	*369.7*	365.3	358.8	348.0	332.1	312.9	288.6	259.0
27.5°	413.7	414.2	411.7	*410.7*	407.3	398.9	387.5	370.2	350.4	321.3	287.7
30°	458.2	457.7	455.2	*453.2*	451.8	443.3	430.5	412.7	388.0	354.4	320.3
32.5°	502.7	501.2	499.7	*497.7*	497.2	486.3	476.0	454.2	428.5	392.9	351.9
35°	548.1	544.7	543.7	*544.2*	541.7	532.8	517.5	496.2	466.6	429.5	383.0
37.5°	587.7	590.6	588.2	*586.2*	586.7	576.8	560.5	536.8	505.6	464.6	414.7
40°	631.7	629.7	629.7	*629.7*	628.2	619.3	602.0	575.8	540.2	496.7	442.4
42.5°	669.7	669.7	672.2	*670.7*	669.2	658.8	640.1	610.9	573.3	526.4	469.0
45°	708.8	707.8	710.7	*708.8*	707.8	696.9	677.1	647.0	607.4	556.0	495.7
47.5°	744.8	745.3	746.3	*746.3*	745.3	733.0	712.2	676.6	636.6	581.7	518.5
50°	776.0	778.5	781.4	*779.4*	780.4	767.1	743.9	707.8	661.3	606.0	538.7
52.5°	806.6	806.6	810.6	*810.6*	809.6	796.7	770.5	732.5	686.5	627.7	557.5
55°	832.8	833.3	836.8	*837.3*	836.8	821.9	794.3	753.2	705.3	646.0	572.8
57.5°	852.6	854.1	858.5	*860.0*	858.0	844.7	813.5	772.0	721.1	660.3	586.2
60°	870.4	872.4	877.3	*879.3*	877.8	863.5	830.8	786.4	734.0	672.7	597.6
62.5°	886.2	886.7	893.1	*894.1*	893.6	878.3	843.7	797.2	744.4	682.1	607.4
65°	897.6	899.1	906.0	*907.5*	906.5	890.2	854.1	806.1	752.8	690.0	614.9
67.5°	906.5	907.5	914.4	*916.8*	915.9	898.6	861.5	811.6	757.7	695.4	620.8
70°	911.4	912.9	920.8	*922.8*	921.8	904.5	865.9	814.0	760.7	699.4	624.7
72.5°	914.4	915.9	924.3	*926.7*	926.2	907.9	867.9	815.0	761.6	701.3	627.7
75°	*915.9*	*917.3*	*925.7*	*929.2*	*927.7*	*909.4*	*868.4*	*814.5*	*761.2*	*702.8*	*630.2*
76°	915.9	916.8	925.7	*929.2*	927.7	909.4	868.4	813.5	760.7	703.3	631.2
77.5°	914.9	916.4	925.2	*928.2*	927.2	908.9	866.9	811.6	759.2	702.3	631.7
80°	912.4	913.9	922.3	*925.7*	924.3	905.5	863.5	807.6	755.2	700.4	631.7
82.5°	907.0	908.4	916.4	*918.8*	918.3	899.5	857.0	800.7	749.3	696.9	630.7
85°	898.6	900.0	906.5	*909.4*	907.9	890.2	847.6	791.3	741.9	691.5	627.7
87.5°	887.2	888.2	895.1	*896.1*	895.6	877.8	835.8	779.4	732.0	684.1	622.8
90°	873.4	874.3	879.8	*881.3*	879.8	863.0	820.5	766.6	719.6	675.2	616.8
92.5°	859.0	858.5	862.5	*864.0*	862.5	845.7	804.6	751.3	706.8	665.3	609.4
95°	842.2	843.2	844.2	*845.2*	843.2	826.9	786.9	734.5	692.9	654.4	602.5
97.5°	823.4	822.9	823.9	*823.9*	821.9	805.6	766.6	718.2	677.1	642.5	593.1
100°	803.7	803.2	802.2	*800.2*	798.2	782.4	746.3	697.9	660.8	628.2	583.7
102.5°	781.9	778.9	776.0	*775.5*	771.0	757.7	723.1	678.6	643.5	614.9	571.9
105°	755.2	754.2	749.8	*745.8*	743.4	728.5	696.9	657.4	625.2	598.5	559.0
107.5°	728.0	726.1	719.6	*718.2*	713.2	699.9	671.2	636.1	606.9	582.2	543.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	698.9	697.9	691.0	*686.5*	682.6	667.7	643.0	613.4	586.7	563.9	526.4
112.5°	666.3	665.3	657.9	*654.4*	648.5	637.1	613.9	587.2	564.4	543.7	507.6
115°	633.1	632.6	624.2	*619.8*	614.4	600.5	581.7	561.0	540.7	520.0	484.9
117.5°	600.0	597.6	589.2	*583.7*	578.3	565.9	550.6	534.3	515.5	496.2	461.6
120°	562.5	562.0	552.6	*548.1*	543.2	531.8	518.5	503.2	488.3	469.0	438.4
122.5°	526.4	525.9	517.5	*512.0*	505.6	496.7	485.9	474.0	460.6	441.9	411.7
125°	489.8	488.8	479.9	*474.5*	469.0	461.6	451.3	442.9	432.0	414.2	385.5
127.5°	452.7	450.8	445.3	*439.9*	434.0	424.6	421.1	413.7	401.8	384.5	359.3
130°	418.1	417.2	409.7	*404.8*	398.9	391.5	388.5	382.6	374.2	358.3	334.6
132.5°	382.1	381.1	376.6	*371.7*	366.7	359.3	357.8	352.4	344.0	331.2	308.9
135°	349.9	348.9	344.0	*338.6*	336.1	330.7	328.7	324.2	316.3	303.5	284.2
137.5°	318.8	318.3	313.4	*308.9*	305.9	302.0	300.0	296.1	290.1	278.8	261.0
140°	290.6	288.2	284.2	*280.2*	277.3	273.3	272.3	268.9	264.4	253.6	240.7
142.5°	262.5	261.0	258.0	*254.5*	252.6	248.1	245.6	244.2	238.2	229.8	219.4
145°	234.8	234.8	232.3	*229.8*	226.9	223.9	221.9	220.4	215.5	208.1	198.2
147.5°	211.5	211.5	209.6	*208.6*	206.1	202.2	200.7	199.2	194.7	188.8	180.9
150°	191.8	190.8	189.3	*187.8*	185.8	182.4	179.9	178.4	175.0	170.5	163.1
152.5°	172.0	172.0	171.0	*169.0*	167.6	165.1	163.1	161.1	158.7	153.7	147.8
155°	155.2	155.2	153.7	*152.7*	151.7	149.8	147.8	145.8	142.8	138.9	134.4
157.5°	141.4	141.4	140.4	*139.9*	137.9	136.9	134.9	133.0	130.0	126.5	122.6
160°	128.5	129.0	128.5	*128.0*	126.5	125.0	123.1	121.1	118.6	115.7	112.7
162.5°	118.1	118.6	117.6	*117.1*	116.2	114.7	112.7	111.7	109.7	106.3	103.3
165°	109.2	109.2	108.7	*108.2*	107.7	105.8	104.8	103.8	101.8	99.3	96.9
167.5°	102.3	102.3	101.8	*101.8*	100.8	99.8	98.4	97.4	95.4	93.9	90.9
170°	96.4	96.4	95.9	*95.4*	94.9	93.9	92.9	91.4	90.4	88.5	87.0
172.5°	91.4	91.4	90.9	*90.4*	90.4	89.0	88.5	87.5	86.5	85.0	83.5
175°	87.5	87.0	87.0	*86.5*	86.0	85.0	84.5	84.0	83.0	82.5	81.6
177.5°	84.0	84.0	83.5	*83.5*	83.0	82.0	82.0	81.6	81.1	80.6	80.1
180°	79.6	79.6	79.6	*79.6*	79.6	79.6	79.6	79.6	79.6	79.6	79.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	53.9	52.4	48.4	45.0	42.5	39.0	36.1	35.1	34.6	34.1	34.1
5°	59.3	56.3	49.4	43.0	37.1	32.1	27.7	23.2	19.8	17.8	16.8
7.5°	74.6	71.2	61.8	53.4	45.0	37.6	30.1	24.7	19.8	16.8	16.8
10°	94.9	90.0	78.1	66.2	55.9	45.0	36.1	28.7	24.2	21.7	21.7
12.5°	116.2	109.7	95.9	80.6	66.2	53.9	43.0	35.1	30.1	28.2	28.2
15°	141.4	133.0	115.2	95.9	78.6	63.8	51.4	42.5	36.6	34.1	33.6
17.5°	165.6	154.7	133.4	111.7	90.9	73.1	58.8	47.4	41.0	37.6	37.1
20°	191.3	177.9	152.7	126.0	102.3	80.6	63.3	50.9	42.5	38.6	38.1
22.5°	215.0	200.7	170.5	139.4	111.2	86.0	65.7	51.4	42.0	37.6	37.1
25°	242.2	225.9	190.3	153.7	120.6	90.4	67.7	51.4	41.5	36.6	36.1
27.5°	269.9	250.6	210.6	168.0	129.0	95.4	69.2	51.4	40.5	35.6	35.1
30°	299.0	277.8	229.8	182.9	137.9	99.3	70.7	50.9	40.0	34.6	34.1
32.5°	328.7	304.0	251.1	197.2	146.8	103.3	71.7	50.9	39.0	34.1	33.1
35°	358.8	330.2	272.3	212.0	154.7	106.8	72.2	50.4	38.6	33.1	32.6
37.5°	385.5	355.9	292.1	225.4	162.1	109.2	72.7	49.9	38.1	32.6	32.1
40°	412.7	380.6	310.9	237.2	167.6	110.7	72.2	49.4	37.1	32.1	31.6
42.5°	437.4	402.8	328.2	248.6	172.5	112.2	71.7	48.4	36.6	31.6	31.1
45°	461.1	424.6	344.5	258.5	176.9	112.7	70.7	47.9	36.1	31.6	31.1
47.5°	482.9	443.3	360.3	267.9	180.9	112.7	70.2	47.0	36.1	31.6	31.1
50°	501.2	462.1	373.2	276.3	183.4	112.2	69.2	46.5	36.1	31.6	31.1
52.5°	519.0	477.5	386.0	282.7	184.9	111.2	67.7	46.0	36.1	32.1	31.6
55°	533.3	491.3	396.9	289.6	186.3	110.2	66.7	45.5	36.1	32.1	32.1
57.5°	545.7	502.7	405.3	294.1	186.3	108.2	65.7	45.5	36.6	33.1	32.6
60°	557.5	513.0	414.2	298.0	186.3	106.8	64.7	45.5	37.1	33.6	33.1
62.5°	565.4	521.4	421.1	301.5	185.3	105.3	63.8	45.5	37.6	34.6	34.1
65°	573.3	529.3	427.5	304.5	184.9	103.8	63.8	46.0	38.6	36.1	35.6
67.5°	579.3	535.8	432.0	306.4	183.9	102.3	63.3	47.0	40.0	37.6	37.1
70°	584.2	540.7	437.4	307.9	182.9	101.3	63.8	48.4	41.5	39.0	39.0
72.5°	588.2	545.2	440.4	309.4	181.9	100.8	64.7	49.9	44.0	41.5	41.0
75°	*590.6*	*547.6*	*443.3*	*309.9*	*180.9*	*100.3*	*65.7*	*51.9*	*46.0*	*44.0*	*43.5*
76°	591.1	548.6	444.3	310.4	180.4	100.3	66.2	52.4	47.0	45.0	44.5
77.5°	592.6	550.1	445.3	310.4	179.9	100.3	67.2	53.9	48.4	46.5	46.5
80°	593.6	551.1	446.8	310.9	178.9	100.3	68.7	56.3	51.4	49.4	48.9
82.5°	593.1	551.6	447.3	309.9	178.4	100.8	70.7	58.8	54.4	52.4	51.9
85°	591.1	550.1	446.3	308.4	176.9	101.8	72.7	61.8	56.8	54.9	54.9
87.5°	587.7	546.6	443.8	306.4	176.0	102.3	74.6	64.3	59.8	57.8	57.8
90°	582.7	542.7	440.9	304.5	174.5	102.8	77.1	66.7	62.8	61.3	60.8
92.5°	576.8	537.8	436.9	301.5	173.5	103.8	79.1	69.7	65.7	63.8	63.8
95°	570.9	532.3	432.5	298.0	172.5	105.3	81.1	72.2	68.2	66.7	66.7
97.5°	562.5	524.9	426.5	294.1	171.0	105.8	83.5	74.6	71.2	69.2	69.2
100°	552.1	516.5	419.6	290.1	170.0	107.3	85.5	77.1	73.6	72.2	71.7
102.5°	541.7	506.6	412.2	285.7	168.5	107.7	87.5	79.6	75.6	74.1	74.1
105°	529.8	495.7	402.8	279.7	167.1	108.7	89.0	81.1	77.6	76.1	75.6
107.5°	516.0	481.9	393.4	274.3	165.6	109.7	90.4	82.5	79.1	77.6	77.1

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

Scaled Data Report

REPORT NUMBER: P1045954
CATALOG NUMBER: FFX-CLB-40-750-U-FG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	500.2	469.0	382.1	268.4	164.6	111.2	91.9	83.5	80.1	78.1	78.1
112.5°	481.9	450.8	369.7	261.5	164.6	113.2	92.9	84.5	80.6	78.6	78.6
115°	460.2	431.5	354.9	255.0	164.1	115.2	94.9	85.0	80.6	79.1	78.6
117.5°	438.9	411.2	340.0	248.6	165.6	118.6	96.9	86.0	80.6	78.6	78.6
120°	415.2	390.0	324.7	242.2	167.6	122.1	99.3	86.5	80.6	78.1	78.1
122.5°	390.5	367.2	309.9	236.3	169.0	126.0	101.3	87.5	80.1	77.6	77.1
125°	367.2	344.0	293.1	230.3	170.5	129.5	103.8	88.0	79.6	76.6	76.1
127.5°	341.5	323.7	278.3	223.9	171.5	132.5	105.8	88.5	79.1	75.6	75.1
130°	319.3	302.0	263.4	217.0	170.5	133.4	106.3	88.0	78.1	74.6	74.6
132.5°	294.6	280.7	247.1	208.1	168.0	133.4	106.8	88.0	77.6	74.1	73.6
135°	272.8	260.0	231.8	198.2	163.6	131.5	105.8	87.5	77.1	73.6	73.1
137.5°	252.6	240.2	215.5	187.8	157.2	128.0	103.8	86.5	76.6	73.1	72.7
140°	230.8	221.9	200.7	176.4	150.3	124.1	101.3	85.5	76.6	73.1	72.7
142.5°	211.0	203.6	184.4	164.1	141.4	118.1	98.4	84.0	76.1	73.1	72.7
145°	193.3	184.9	170.0	151.7	132.5	112.7	95.4	83.0	75.6	73.1	72.7
147.5°	176.0	168.5	156.2	140.4	124.6	107.3	92.4	81.6	75.6	73.1	72.7
150°	158.7	153.7	142.8	130.0	115.7	101.8	89.5	80.6	75.6	73.6	73.1
152.5°	143.8	140.4	131.0	120.6	108.2	96.4	86.5	79.6	75.6	73.6	73.6
155°	131.5	128.0	120.1	110.7	101.8	91.9	84.5	78.6	75.6	74.1	73.6
157.5°	119.1	116.6	110.2	103.3	95.9	88.5	82.5	78.1	75.6	74.1	74.1
160°	109.7	107.3	102.3	96.9	90.9	85.5	80.6	77.1	75.6	74.6	74.6
162.5°	101.8	99.8	95.9	91.4	87.0	82.5	79.1	76.6	75.6	74.6	74.6
165°	95.4	93.9	90.4	87.0	84.0	80.6	78.1	76.6	75.6	75.1	75.1
167.5°	90.0	89.0	86.5	84.0	81.6	79.1	77.1	76.1	75.6	75.6	75.6
170°	86.0	85.0	83.5	81.6	79.6	78.1	76.6	76.1	76.1	75.6	76.1
172.5°	83.0	82.5	81.1	79.6	78.6	77.1	76.6	76.1	76.6	76.6	76.6
175°	81.1	80.6	79.6	78.6	78.1	77.1	77.1	76.6	77.1	77.6	77.6
177.5°	79.6	79.1	78.6	78.6	78.1	77.6	77.6	78.1	78.6	78.6	78.6
180°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6

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

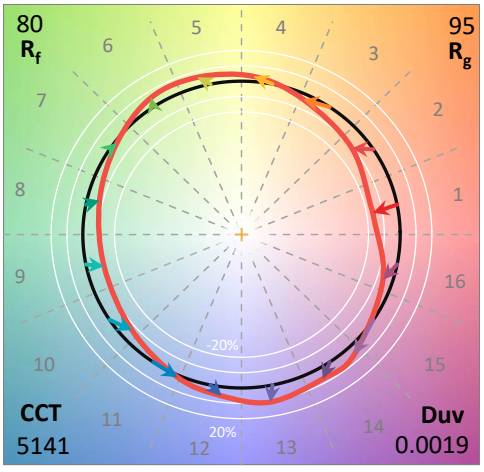
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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

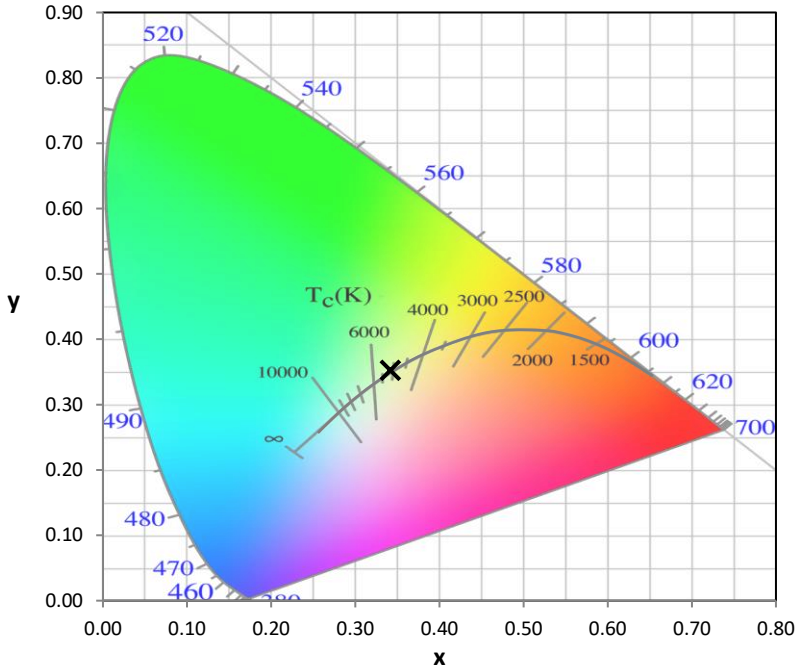
Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-10

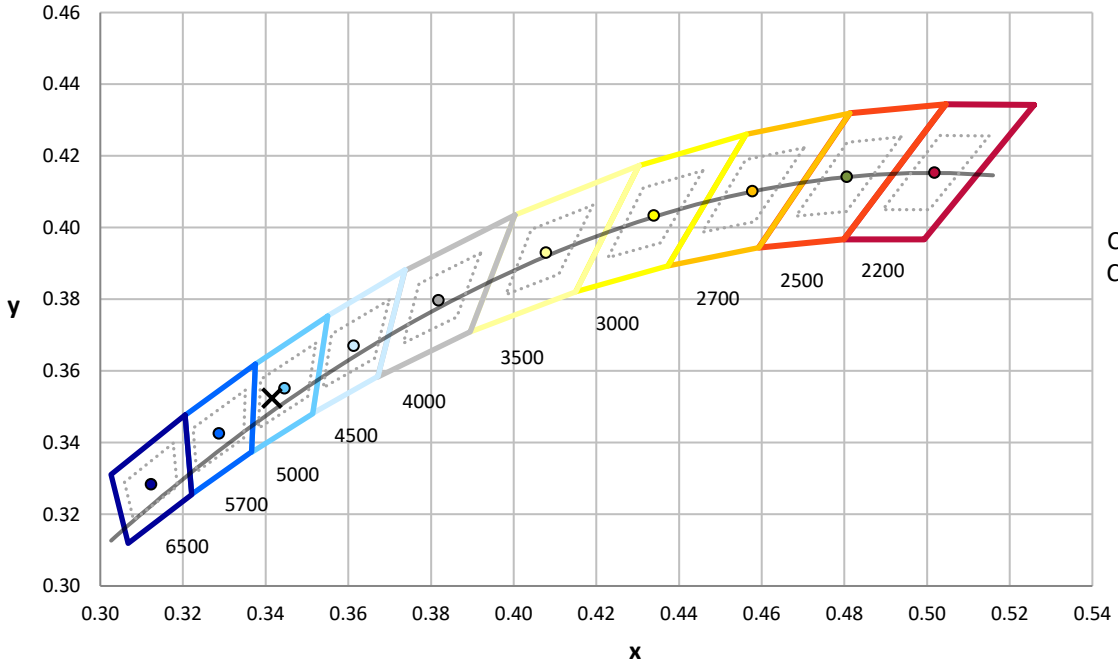
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

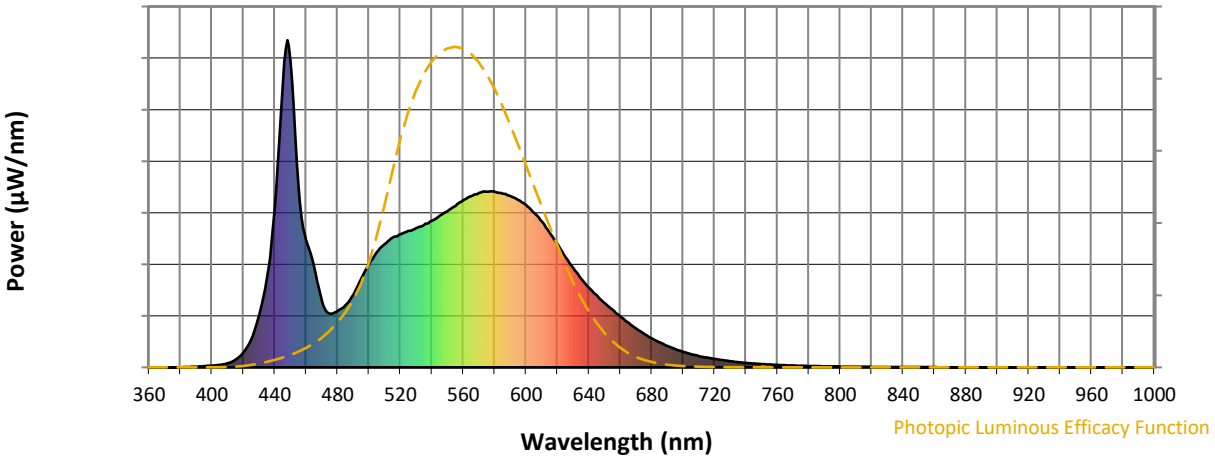


CCT = 5141K
CIE x = 0.3415
CIE y = 0.3524
Duv = 0.0019

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-10

Photopic Flux vs. Wavelength

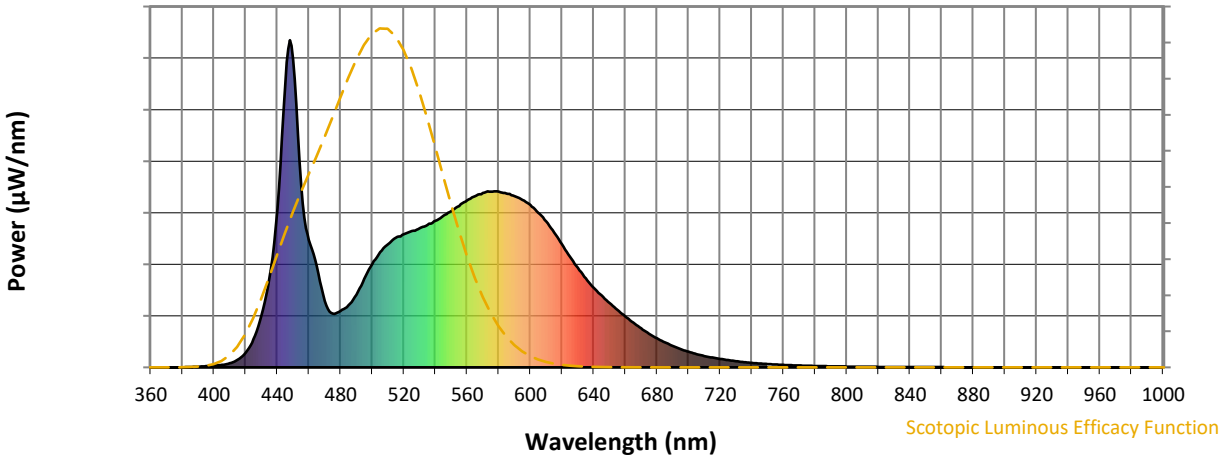


Photopic Lumens: NR

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

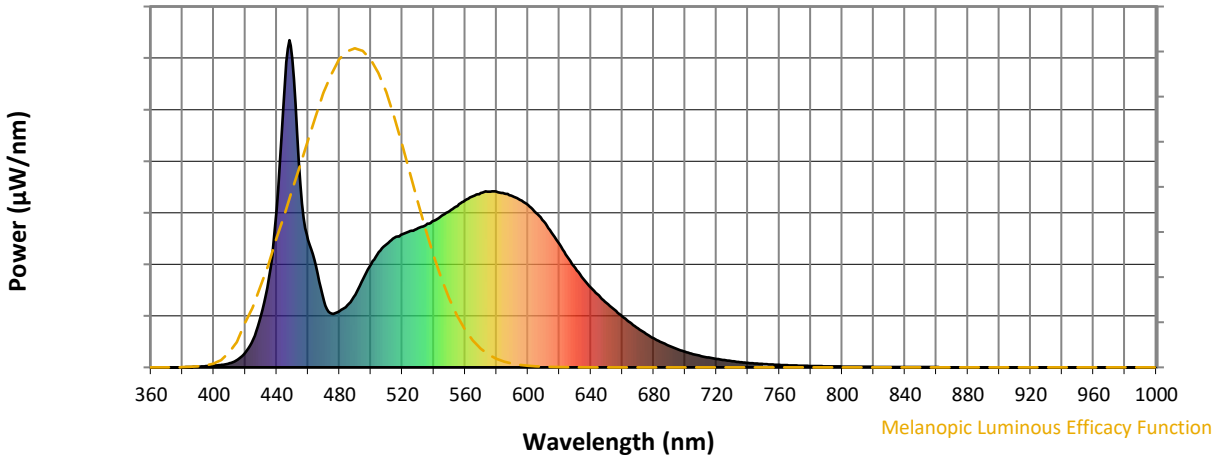


Scotopic Lumens: NR **S/P: 1.92**

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			

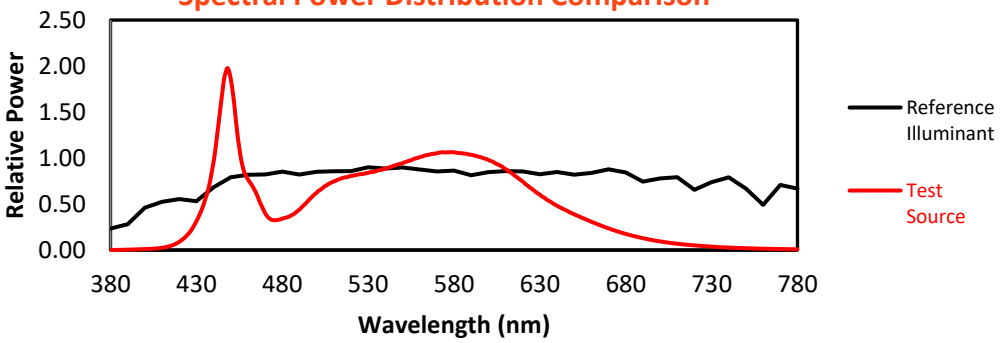
REPORT NUMBER: SP1-2501-332-10

TM-30-18

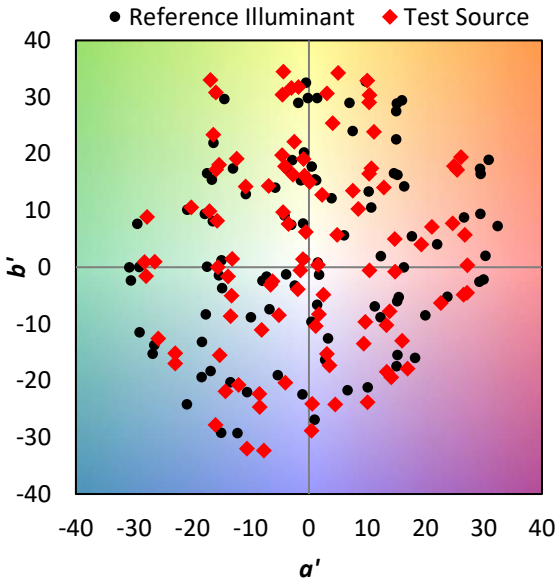
Summary

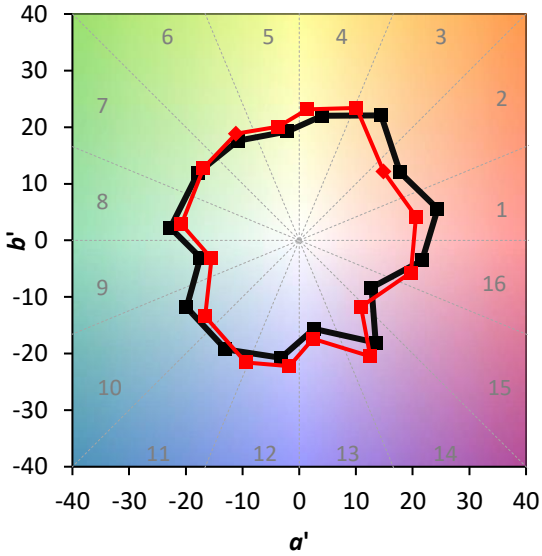
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R_g = 95.3
CIE R_a = 78.0
R_9 = -20.0

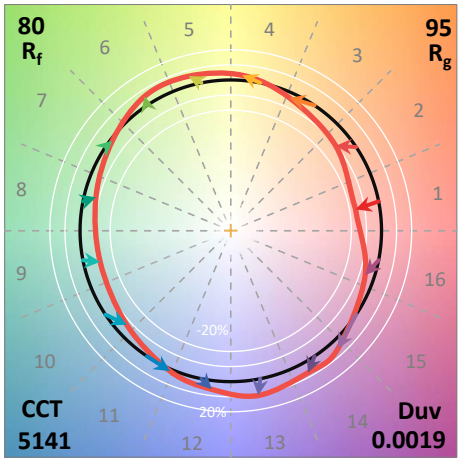
Spectral Power Distribution Comparison

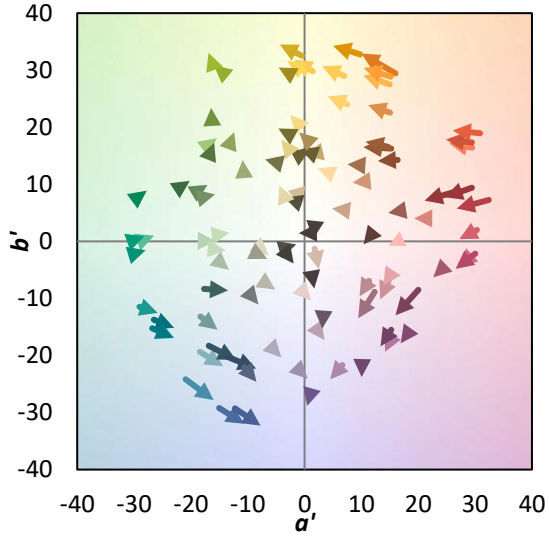


Color Vector Graphics







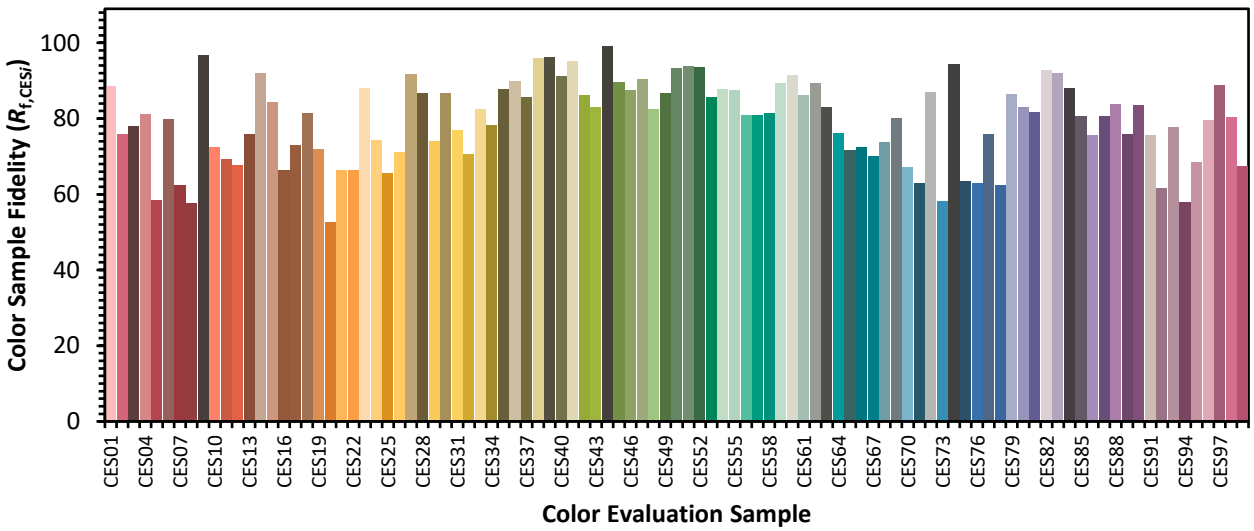


REPORT NUMBER: SP1-2501-332-10

TM-30-18

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

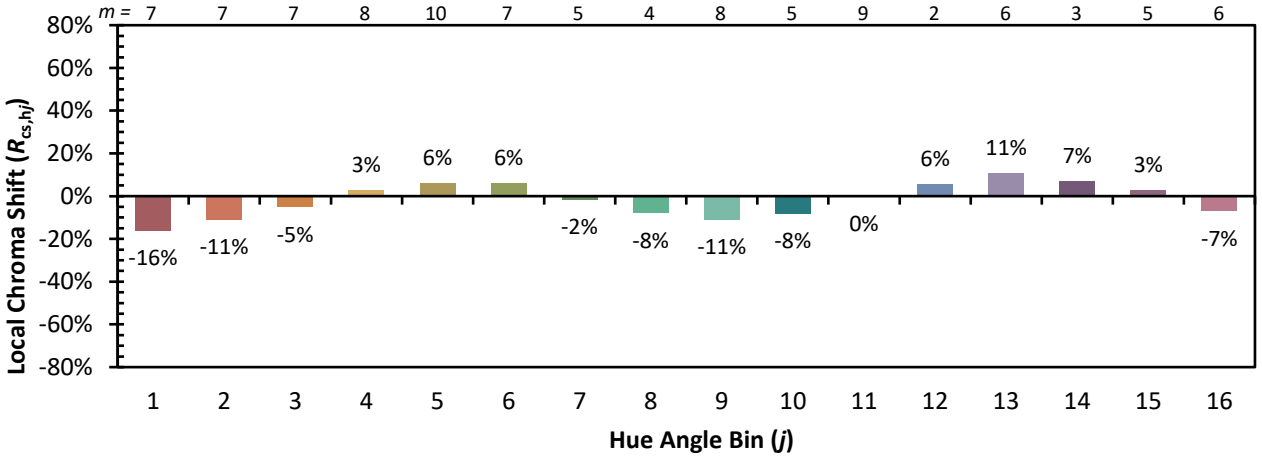
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CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 76
CES03 = 30	CES28 = 87	CES53 = 86	CES78 = 63
CES04 = 69	CES29 = 74	CES54 = 88	CES79 = 86
CES05 = 46	CES30 = 87	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 77	CES56 = 81	CES81 = 82
CES07 = 39	CES32 = 70	CES57 = 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	

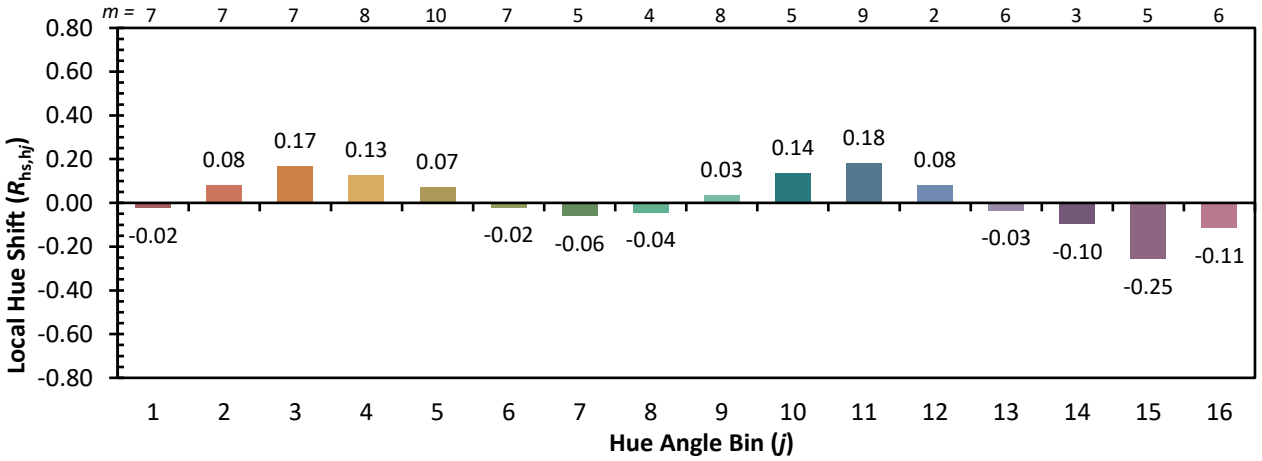


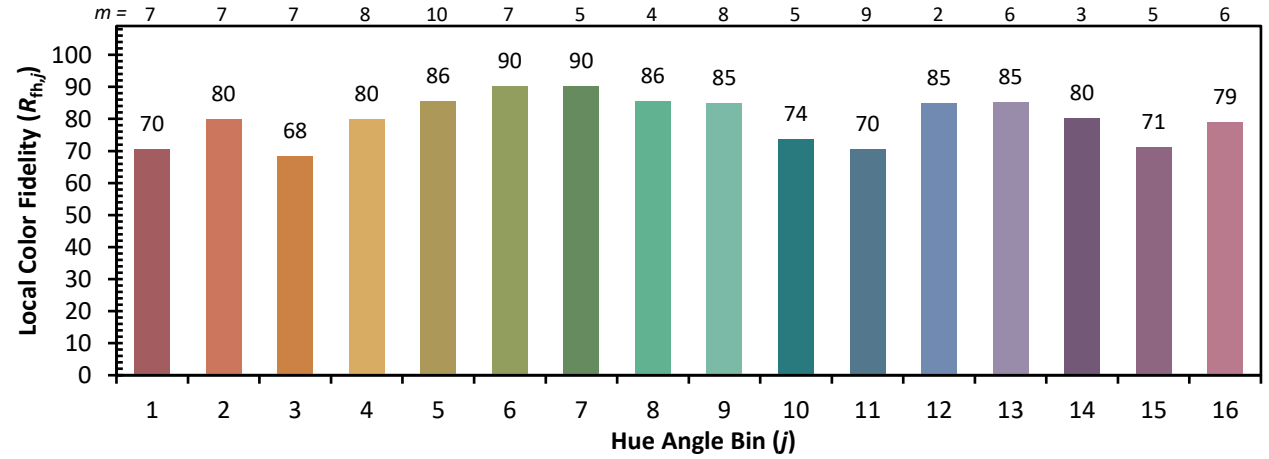
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Color Rendition by Hue-Angle Bin



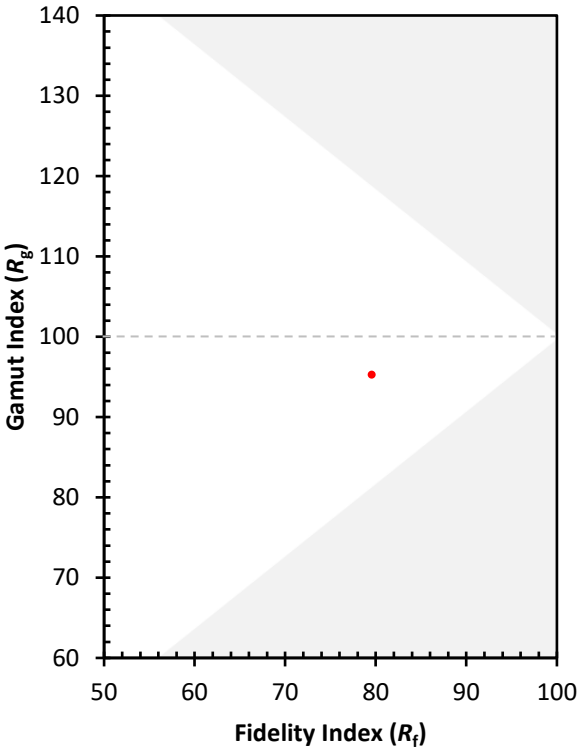


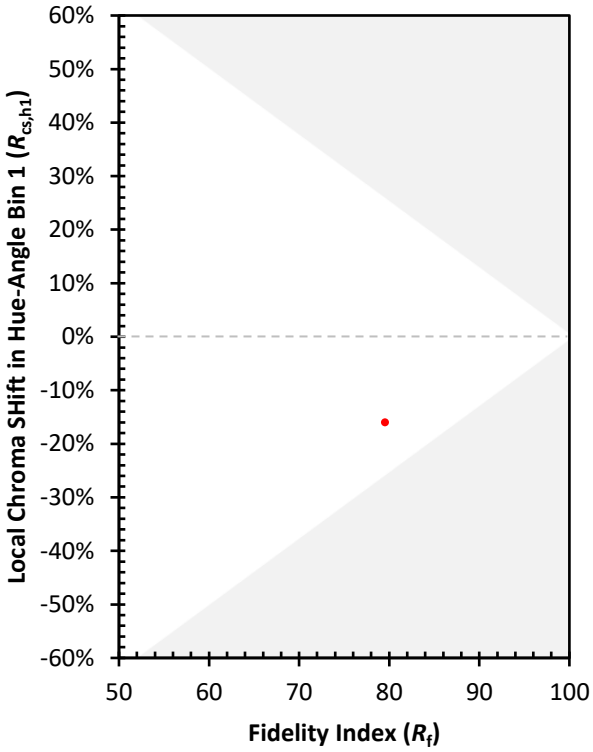


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Measure Comparisons





(END OF REPORT)