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: P1224011

Luminaire Tested: **FFX-CLB-30-750-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224011
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-750-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4930.8 lumens
Efficiency:	N/A
Efficacy:	161.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

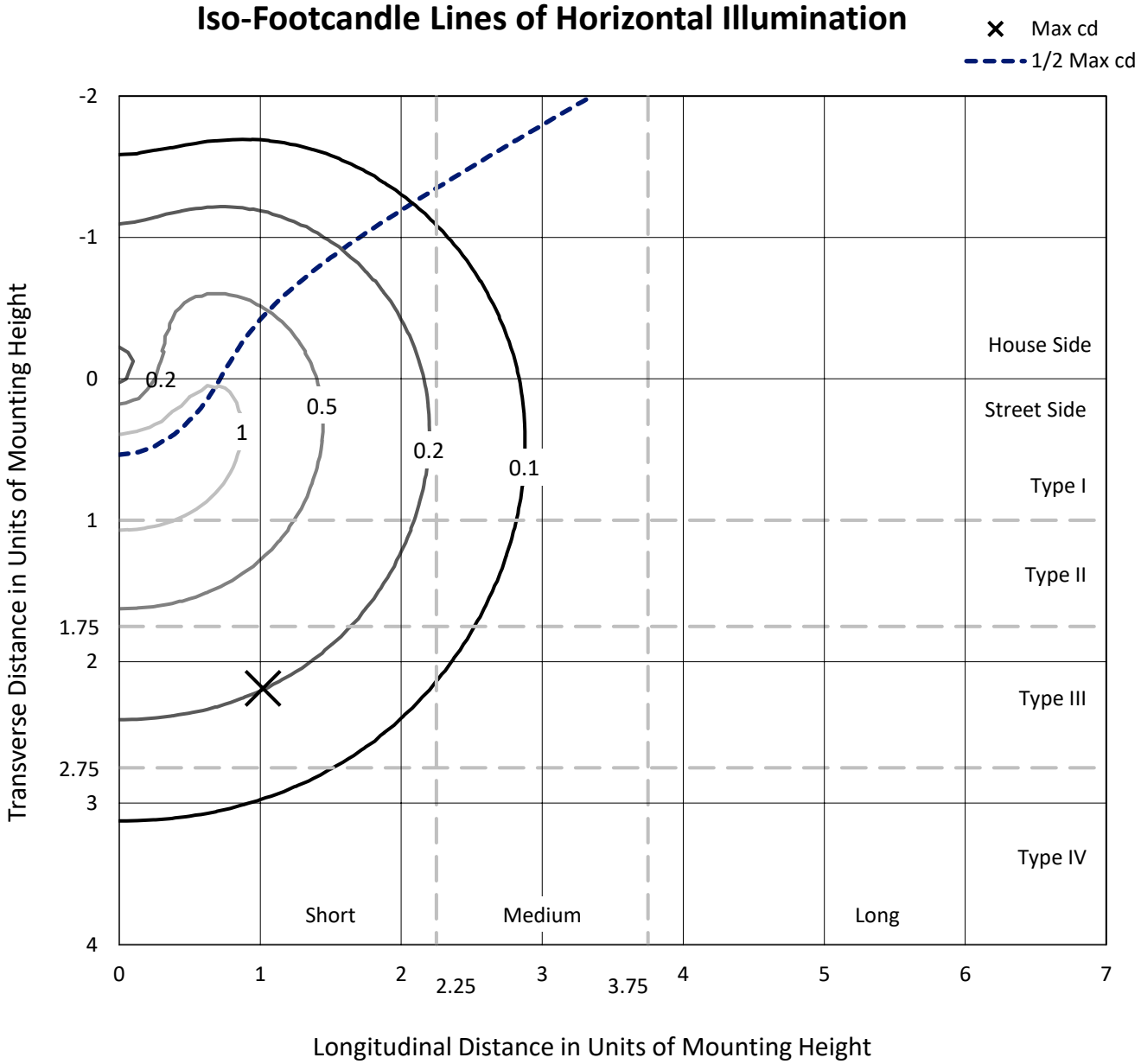


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Iso-Footcandle Lines of Horizontal Illumination



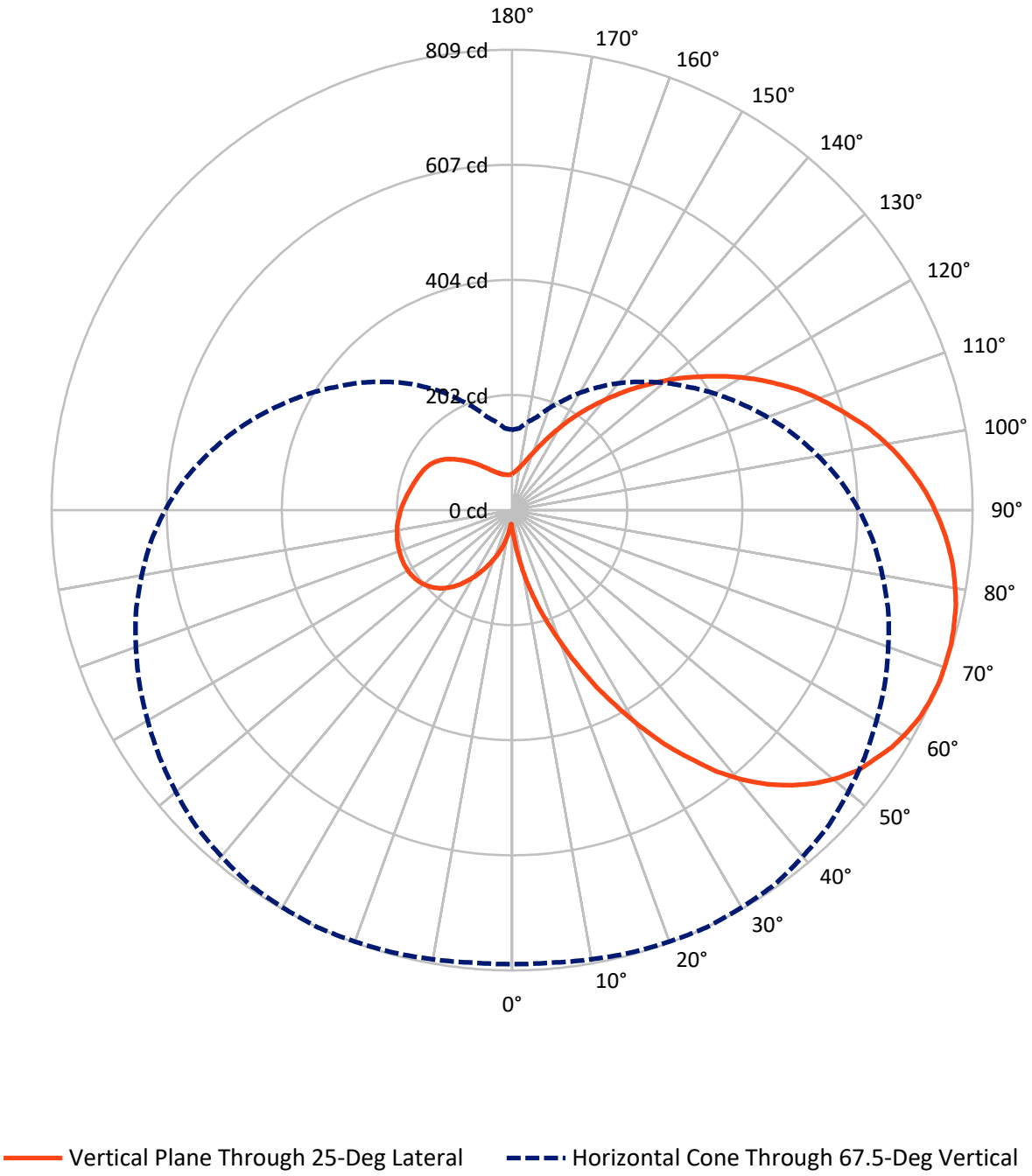
Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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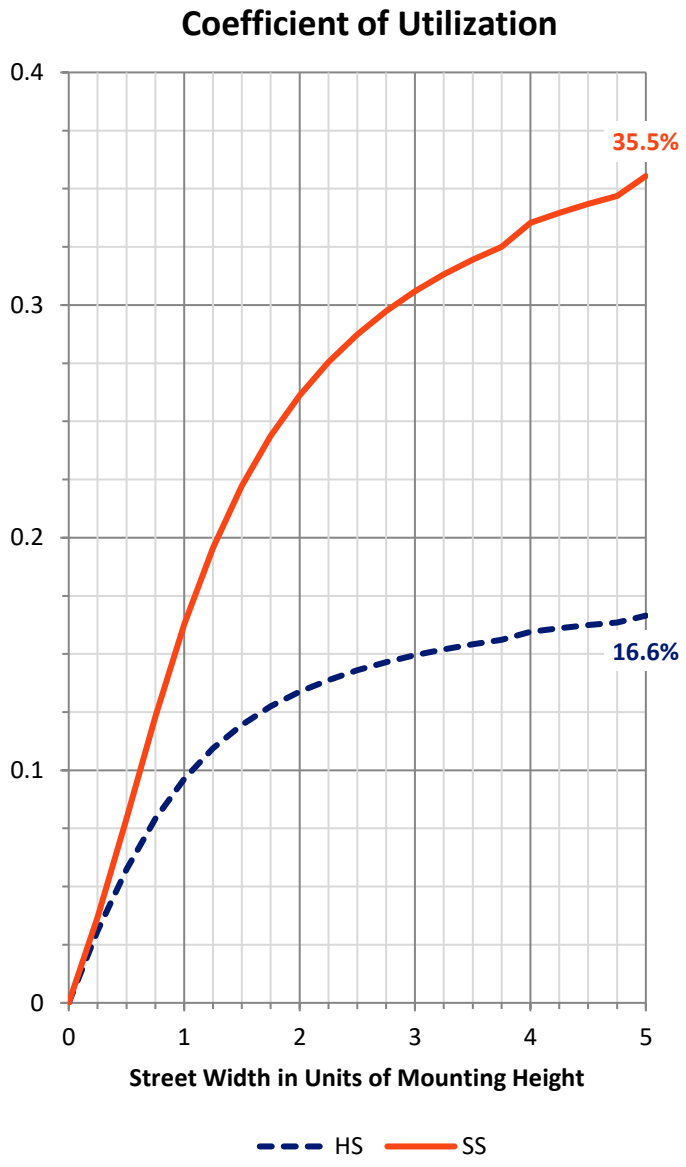
REPORT NUMBER: P1224011
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	903.0	690.2	1593.3
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	1995.3	1342.2	3337.5
	% Fixture	40.5	27.2	67.7
Total	Lumens	2898.3	2032.5	4930.8
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	37.5	0.8
20°-30°	112.3	2.3
30°-40°	231.2	4.7
40°-50°	360.9	7.3
50°-60°	467.5	9.5
60°-70°	539.0	10.9
70°-80°	573.5	11.6
80°-90°	571.0	11.6
90°-100°	532.7	10.8
100°-110°	465.6	9.4
110°-120°	381.3	7.7
120°-130°	283.6	5.8
130°-140°	184.4	3.7
140°-150°	104.5	2.1
150°-160°	51.5	1.0
160°-170°	22.5	0.5
170°-180°	6.3	0.1
0°-90°	2898.3	58.8
0°-180°	4930.8	100.0



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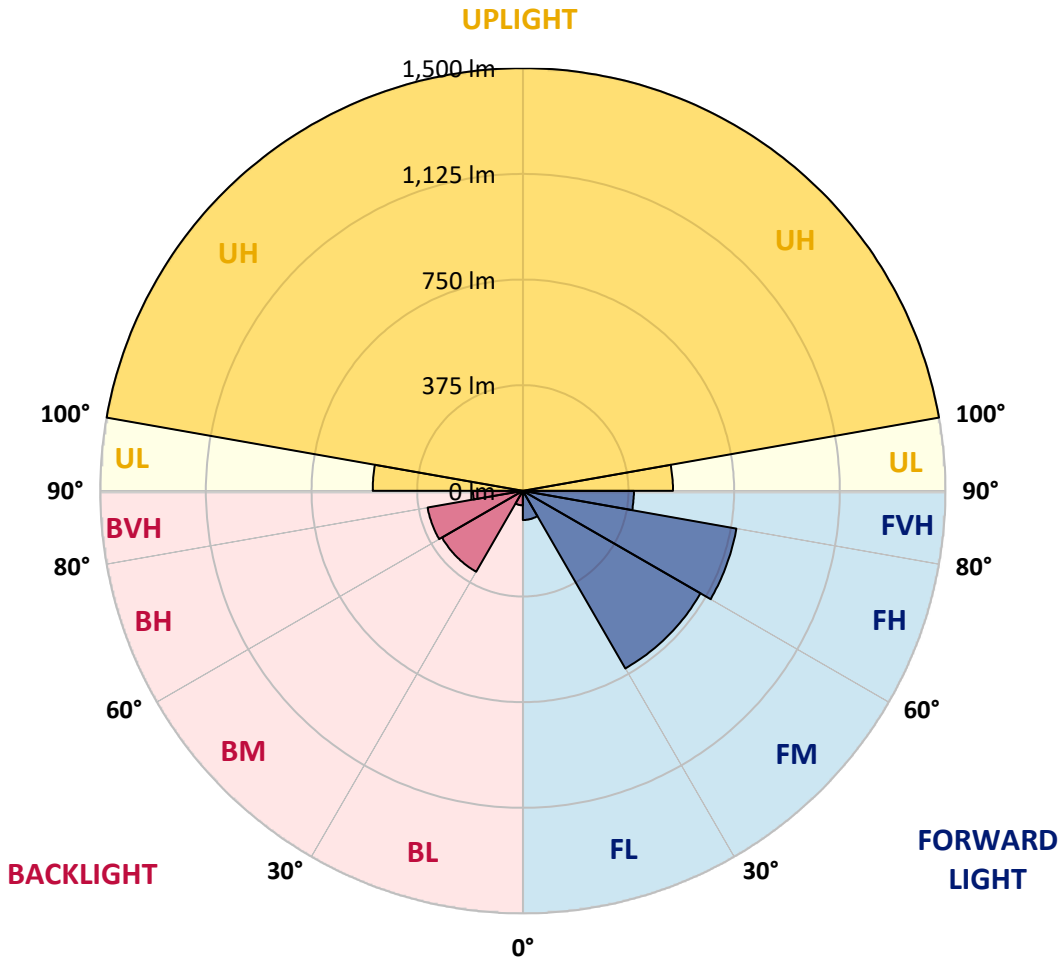
Scaled Data Report

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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°)	103.6	2.1			
FM	(30°-60°)	728.0	14.8			
FH	(60°-80°)	769.5	15.6			G1/1800
FVH	(80°-90°)	394.1	8.0			G3/500
BL	(0°-30°)	51.6	1.0	B0/110		
BM	(30°-60°)	331.5	6.7	B1/1000		
BH	(60°-80°)	343.0	7.0	B1/500		G1/500
BVH	(80°-90°)	176.9	3.6			G2/225
UL	(90°-100°)	532.7	10.8		U4/1000	
UH	(100°-180°)	1499.8	30.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
2.5°	42.6	42.6	42.9	42.9	42.3	42.6	41.9	41.0	40.4	38.8	38.2
5°	62.0	61.0	61.3	60.7	59.5	58.8	56.3	54.5	51.3	47.9	46.3
7.5°	86.1	86.4	85.1	83.6	83.3	79.8	79.2	73.2	70.7	64.8	63.2
10°	115.8	115.2	113.9	113.6	110.8	107.4	102.0	98.9	90.8	86.4	82.9
12.5°	148.4	148.7	146.5	144.3	141.8	137.1	129.9	124.9	118.3	109.2	104.9
15°	183.4	182.2	182.2	179.7	175.9	170.6	165.0	157.8	148.4	138.7	132.4
17.5°	216.0	218.5	217.5	214.4	211.0	204.4	198.4	188.4	178.1	167.5	159.6
20°	256.7	257.3	255.7	252.9	249.8	242.3	235.1	225.0	212.2	195.6	189.1
22.5°	297.7	298.9	298.9	297.4	293.0	286.4	274.8	263.9	247.9	231.3	220.4
25°	344.9	344.0	344.9	344.0	336.8	330.8	319.0	305.8	288.6	268.2	255.1
27.5°	392.5	393.8	391.3	389.1	386.2	376.9	364.0	347.4	325.8	304.6	290.5
30°	438.8	441.6	441.6	439.1	434.8	425.4	411.0	393.1	369.3	342.4	325.8
32.5°	487.3	488.3	489.5	489.2	484.2	475.1	459.2	435.1	408.5	378.7	362.5
35°	538.7	535.9	536.5	534.6	532.4	521.2	502.7	479.5	450.7	417.5	397.8
37.5°	581.2	580.0	580.9	582.5	576.6	565.0	543.7	516.8	485.2	450.4	430.7
40°	621.6	620.7	622.3	622.6	616.6	603.2	580.6	554.6	520.5	480.5	462.0
42.5°	655.4	655.4	657.0	658.9	652.6	638.2	615.4	584.4	549.3	508.9	486.4
45°	686.7	685.8	688.9	689.9	683.6	669.2	643.5	612.2	574.7	533.7	510.2
47.5°	711.8	712.1	715.2	717.1	711.5	695.2	669.2	636.0	596.9	554.0	529.9
50°	732.4	735.2	738.1	740.3	734.3	718.0	691.1	655.1	616.0	572.8	547.8
52.5°	753.1	753.1	757.5	760.3	753.7	736.8	708.6	673.6	633.5	587.8	563.4
55°	766.2	766.5	771.9	772.8	768.7	751.2	722.4	687.4	647.3	601.3	575.3
57.5°	777.8	778.1	784.1	786.3	780.6	763.7	734.3	698.0	658.9	611.9	585.6
60°	787.8	787.5	792.5	795.7	790.0	772.2	743.4	708.0	668.0	621.6	594.4
62.5°	794.1	794.1	800.0	803.2	797.2	779.7	750.3	715.2	675.1	628.2	601.3
65°	796.9	797.5	803.2	806.9	801.3	783.4	754.0	719.6	680.2	633.5	606.3
67.5°	797.8	798.2	805.0	808.8	803.5	785.3	756.2	722.4	683.9	637.0	609.4
70°	798.5	798.8	804.1	807.9	803.2	785.0	756.8	723.7	686.1	638.8	611.3
72.5°	795.0	796.0	801.9	806.3	800.7	782.8	755.3	723.7	685.8	640.1	611.9
75°	790.6	792.8	798.2	801.9	796.9	779.7	752.8	722.4	685.5	639.5	611.9
77.5°	786.3	786.6	793.5	796.9	791.6	774.1	748.4	719.3	683.6	637.6	609.7
80°	777.5	779.4	785.3	788.5	783.8	767.2	742.1	714.9	680.2	634.5	606.3
82.5°	771.2	770.6	776.6	779.4	774.7	757.5	734.9	708.0	675.1	629.1	601.6
85°	759.3	760.6	765.3	767.8	762.5	746.8	725.2	701.1	668.3	623.2	595.3
87.5°	748.1	748.7	751.8	754.7	749.3	734.3	714.3	691.4	659.8	615.7	588.4
90°	734.0	734.3	737.8	739.9	735.2	721.2	702.7	680.5	650.7	607.2	580.0
92.5°	720.8	720.2	722.7	723.7	719.6	705.8	689.2	668.6	639.8	596.9	570.6
95°	703.6	703.3	705.5	704.9	700.5	688.6	673.6	655.4	626.9	585.9	560.0
97.5°	684.5	684.9	686.1	685.5	680.8	669.8	658.2	640.1	613.8	573.1	548.1
100°	663.3	664.2	666.1	664.2	660.1	652.0	639.8	624.8	598.8	560.3	535.5
102.5°	645.4	642.9	642.3	642.0	637.9	630.7	621.3	608.2	584.1	546.2	522.4
105°	621.9	620.4	620.1	616.6	615.1	609.1	601.3	589.4	567.8	532.1	508.9
107.5°	597.2	597.5	596.3	592.2	590.0	585.9	581.6	570.9	550.3	516.5	495.2
110°	575.0	573.4	570.0	568.1	566.5	563.1	560.3	552.1	533.0	501.4	480.1

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CATALOG NUMBER: FFX-CLB-30-750-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	547.4	548.4	544.3	*543.1*	540.6	540.2	538.4	531.8	514.9	485.5	465.4
115°	522.7	522.1	518.0	*515.5*	514.6	515.2	516.5	511.8	496.1	468.3	449.8
117.5°	495.5	493.6	490.8	*488.3*	487.0	489.5	492.4	490.2	477.0	450.7	433.2
120°	466.4	466.7	462.6	*460.1*	460.4	464.5	468.3	467.0	454.5	431.0	415.4
122.5°	439.1	437.6	434.1	*431.6*	433.8	438.2	442.6	442.3	431.3	408.5	394.4
125°	409.4	409.1	405.7	*403.1*	405.0	410.0	415.4	416.0	405.7	386.6	372.5
127.5°	381.2	380.3	379.7	*376.9*	378.1	385.0	388.8	388.4	379.4	361.8	349.6
130°	354.3	354.0	350.3	*349.0*	350.6	356.2	360.0	359.3	352.1	336.8	325.8
132.5°	327.1	325.8	324.3	*322.4*	323.6	328.3	333.3	332.7	324.3	309.6	300.8
135°	300.2	299.2	298.0	*296.7*	297.7	302.4	306.7	305.5	298.3	285.1	276.4
137.5°	275.4	274.5	272.9	*271.4*	272.6	276.4	279.2	278.3	272.3	259.8	251.3
140°	249.8	250.4	248.5	*247.3*	247.9	251.7	253.8	252.6	246.0	235.7	228.8
142.5°	226.3	226.3	225.4	*225.0*	226.0	227.9	229.7	227.2	222.9	212.2	206.6
145°	203.8	204.1	203.8	*203.1*	203.5	205.6	206.0	205.0	200.0	192.2	185.9
147.5°	182.5	183.4	182.8	*182.8*	183.1	184.0	185.3	183.1	178.7	171.8	167.5
150°	162.8	163.4	163.4	*162.8*	162.8	164.0	164.0	162.4	159.0	153.4	149.3
152.5°	145.5	145.9	145.9	*145.2*	145.5	145.9	145.2	143.4	140.5	136.2	133.0
155°	129.9	130.5	129.6	*129.9*	129.0	129.3	129.0	127.7	124.6	120.8	118.9
157.5°	115.8	116.8	116.1	*116.1*	115.5	115.2	114.9	113.6	111.4	108.3	106.1
160°	104.5	105.2	104.2	*104.2*	103.6	103.6	102.4	101.7	99.5	96.7	95.5
162.5°	94.8	94.8	94.5	*94.8*	94.5	93.6	93.0	91.7	89.8	87.6	86.7
165°	87.0	86.7	86.7	*86.4*	86.1	85.5	84.5	83.9	82.0	80.1	79.5
167.5°	81.1	80.8	80.4	*80.1*	79.5	79.2	78.3	77.6	76.1	74.5	73.9
170°	76.1	76.1	75.4	*75.1*	74.8	74.2	73.2	72.3	71.1	70.1	69.5
172.5°	71.7	71.7	71.4	*71.1*	70.7	70.1	69.2	68.5	67.6	66.7	66.0
175°	68.5	68.5	68.2	*67.6*	67.3	66.7	66.0	65.4	64.5	63.9	63.5
177.5°	66.0	66.0	66.0	*65.4*	65.1	64.5	63.9	63.2	62.9	62.3	62.3
180°	62.9	62.9	62.9	*62.9*	62.9	62.9	62.9	62.9	62.9	62.9	62.9

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Scaled Data Report

REPORT NUMBER: P1224011
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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
2.5°	37.2	35.4	33.8	31.3	29.1	27.2	26.0	25.0	24.4	23.8
5°	44.4	41.0	37.6	33.8	30.4	27.2	24.7	22.8	21.9	21.9
7.5°	60.7	55.4	49.5	44.1	40.1	36.0	32.2	30.0	28.8	28.2
10°	79.5	71.7	65.7	59.2	52.0	47.0	42.6	39.8	38.2	38.5
12.5°	102.0	92.3	84.8	75.1	67.3	59.5	54.8	50.7	48.8	48.5
15°	127.1	115.8	104.9	93.3	82.9	73.9	67.0	61.7	58.5	58.2
17.5°	153.4	139.3	124.6	111.4	98.0	86.7	77.3	71.1	67.6	67.6
20°	180.0	164.0	146.8	129.6	113.3	99.5	88.6	80.4	76.1	75.4
22.5°	210.7	190.3	169.6	148.7	130.2	113.0	98.9	89.2	84.5	83.6
25°	244.1	220.0	195.3	170.6	147.7	127.1	110.8	99.8	93.3	92.3
27.5°	278.9	249.8	220.7	191.9	165.3	142.4	122.7	108.6	102.0	101.1
30°	313.0	281.1	247.3	213.5	183.4	157.1	134.6	118.3	110.2	108.9
32.5°	346.5	310.2	272.9	235.4	202.5	171.8	145.5	128.0	118.0	116.8
35°	378.4	340.9	297.4	257.0	219.4	186.6	157.1	136.8	125.5	124.3
37.5°	409.7	367.2	321.5	277.0	236.3	199.1	167.8	144.9	132.4	131.1
40°	439.5	392.2	342.4	295.5	251.0	211.6	176.8	152.1	138.0	136.5
42.5°	462.3	413.8	361.8	311.1	263.9	221.0	185.0	157.8	142.4	140.2
45°	485.2	433.2	378.4	324.9	275.1	230.1	191.6	162.8	146.5	144.0
47.5°	503.9	449.8	391.9	336.2	284.5	237.9	197.2	166.2	149.0	146.5
50°	521.8	464.5	404.4	346.5	293.0	244.8	201.9	169.0	150.6	148.1
52.5°	535.5	476.7	414.4	354.6	299.9	249.8	205.6	170.9	151.5	148.7
55°	547.1	486.7	422.6	360.9	305.2	254.2	208.5	171.8	151.5	148.7
57.5°	556.8	494.5	429.1	366.5	309.2	257.0	210.3	172.2	150.6	147.7
60°	565.3	501.7	434.4	370.9	313.0	259.8	211.6	172.2	149.6	146.5
62.5°	572.2	506.8	438.5	374.4	315.8	262.0	212.2	171.5	147.7	144.6
65°	576.2	510.2	441.0	376.2	317.4	262.6	212.2	170.6	145.9	142.7
67.5°	*579.7*	*512.4*	*442.6*	*377.2*	*318.3*	*263.2*	*211.9*	*169.0*	*144.0*	*140.9*
70°	581.2	513.3	443.2	377.8	319.0	262.9	211.0	167.8	142.1	138.3
72.5°	581.6	513.6	442.9	377.8	319.0	262.9	210.0	165.9	139.9	136.5
75°	580.9	512.7	442.0	377.5	318.6	262.0	209.1	164.3	138.0	134.3
77.5°	579.1	510.8	440.4	376.2	317.1	261.0	207.2	162.4	135.8	132.4
80°	575.9	507.7	437.9	374.0	315.2	259.2	205.6	160.6	134.0	130.5
82.5°	571.2	503.6	434.8	371.2	313.3	257.0	203.8	158.7	132.1	128.6
85°	565.6	498.6	430.1	367.8	310.5	254.5	201.3	156.5	130.2	126.8
87.5°	557.8	492.4	425.1	363.7	306.7	251.3	198.4	154.6	128.6	125.2
90°	550.3	485.5	419.7	359.3	303.3	248.5	195.9	152.4	127.4	123.9
92.5°	541.5	477.3	413.2	354.3	298.6	244.8	193.4	150.6	126.1	123.0
95°	531.5	468.6	406.3	348.4	294.2	241.0	190.3	148.7	124.9	122.1
97.5°	520.2	459.2	398.8	342.1	288.9	236.9	187.5	147.1	124.3	121.1
100°	508.6	448.5	390.6	335.9	283.6	232.6	184.7	145.5	123.9	121.1
102.5°	495.5	438.8	382.5	329.6	278.3	228.5	181.9	144.6	123.9	121.1
105°	483.0	427.6	373.7	322.7	272.9	224.4	179.4	144.0	124.3	121.8
107.5°	469.5	416.9	365.0	315.5	267.0	220.4	177.2	143.4	124.9	122.4
110°	457.0	406.6	356.8	308.6	261.7	216.6	175.0	143.0	125.5	123.3

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

Scaled Data Report

REPORT NUMBER: P1224011
CATALOG NUMBER: FFX-CLB-30-750-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	443.2	395.3	347.7	301.1	256.0	212.2	172.8	142.4	126.1	124.3
115°	428.8	383.4	338.7	293.6	249.5	208.1	170.6	142.1	126.8	124.9
117.5°	413.2	370.6	327.7	284.8	242.6	203.1	167.5	140.9	126.8	124.9
120°	396.3	357.1	315.8	275.4	234.8	197.2	164.3	139.3	126.1	124.6
122.5°	377.8	341.2	302.0	263.5	226.0	190.3	159.6	136.5	124.6	123.0
125°	357.5	323.3	288.0	250.7	215.0	182.5	154.0	133.3	122.1	120.8
127.5°	336.2	304.9	271.1	237.3	204.7	174.0	148.1	128.6	118.6	117.4
130°	312.4	284.2	253.5	222.2	192.5	164.3	140.9	123.3	114.2	113.0
132.5°	289.5	263.9	236.3	208.5	179.7	154.9	133.0	117.4	109.6	108.3
135°	265.7	243.2	218.5	192.2	167.8	144.6	125.2	111.4	104.2	103.3
137.5°	242.6	223.5	200.3	177.2	155.6	134.6	117.7	105.8	99.2	98.6
140°	221.0	203.1	183.7	163.4	143.4	125.2	110.5	99.5	94.2	93.3
142.5°	200.0	184.7	167.1	149.9	131.5	116.1	103.3	93.6	89.2	88.6
145°	180.3	167.5	152.1	136.5	120.8	107.4	96.4	88.3	84.5	84.2
147.5°	161.8	151.2	137.7	124.6	111.4	100.2	90.1	83.9	80.4	80.1
150°	144.9	135.2	124.6	113.3	102.4	92.3	84.8	79.2	76.4	76.1
152.5°	129.0	121.4	112.7	103.6	94.2	86.4	79.5	75.4	73.2	72.9
155°	115.2	109.2	102.0	94.2	87.0	80.8	75.4	72.3	70.4	70.4
157.5°	103.6	98.6	93.3	87.0	81.1	76.1	72.3	69.5	67.9	67.9
160°	93.6	89.2	85.1	80.4	76.4	72.3	69.5	67.3	66.0	66.0
162.5°	85.1	82.0	78.9	75.4	72.0	69.5	67.0	65.4	64.8	64.5
165°	78.3	76.4	73.9	71.4	69.2	67.0	65.4	64.5	63.9	63.9
167.5°	72.9	71.7	69.8	68.2	66.7	65.1	64.2	63.5	63.2	63.2
170°	68.9	67.9	66.7	65.7	64.8	63.9	63.2	62.9	62.6	62.6
172.5°	65.7	64.8	64.2	63.9	63.2	62.9	62.6	62.3	62.3	62.3
175°	63.5	62.9	62.9	62.6	62.3	62.3	62.0	62.0	62.0	62.3
177.5°	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.6	62.6
180°	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

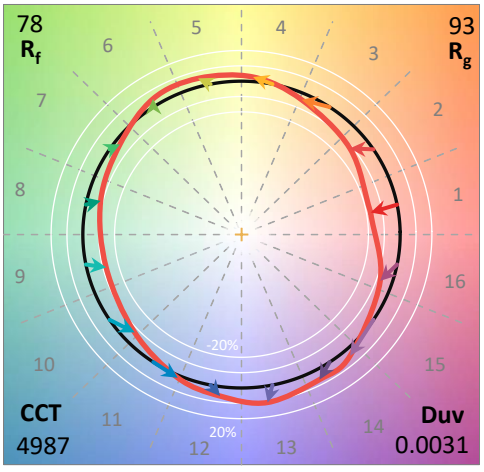
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

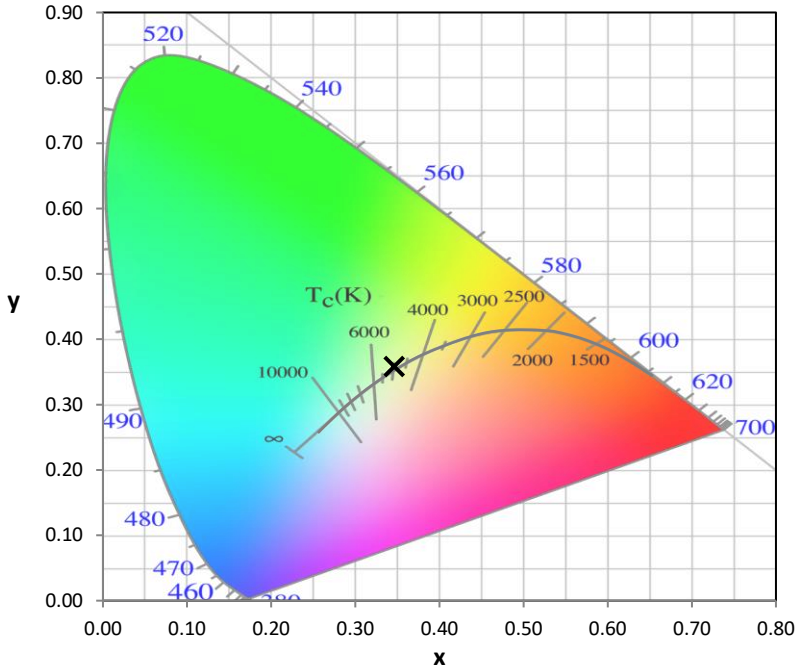
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

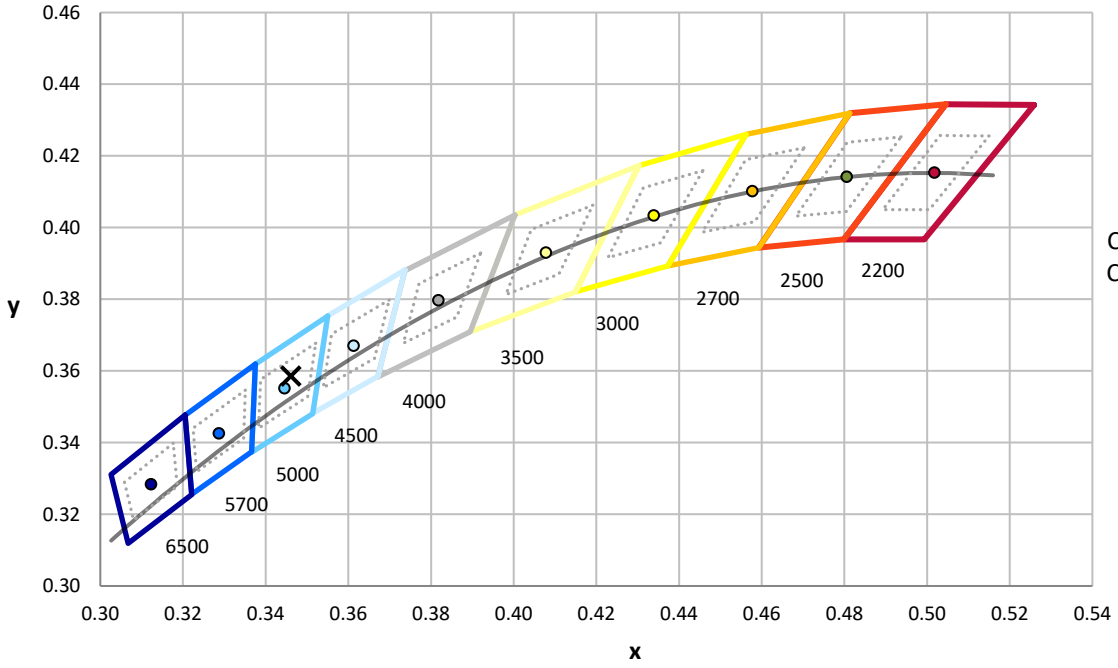
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

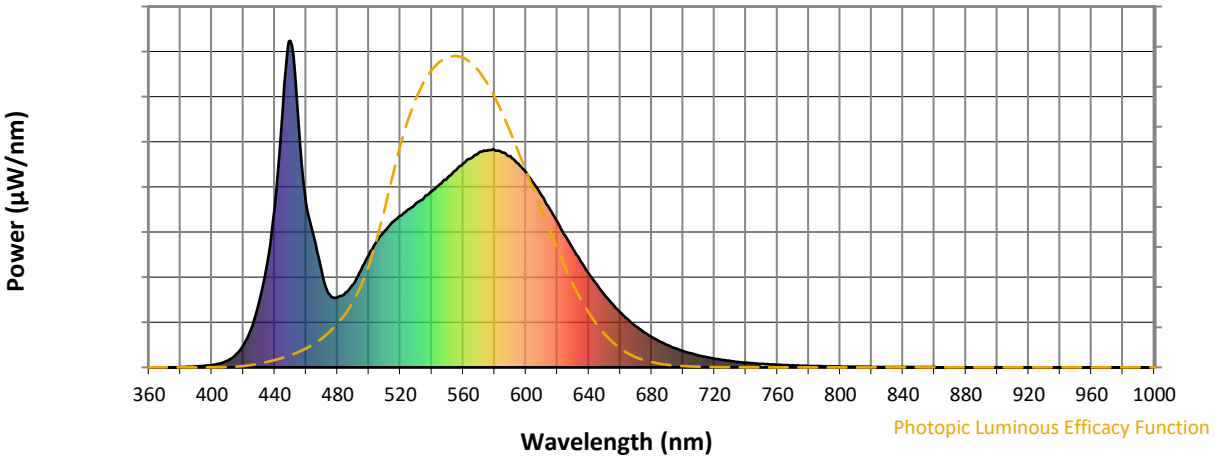


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

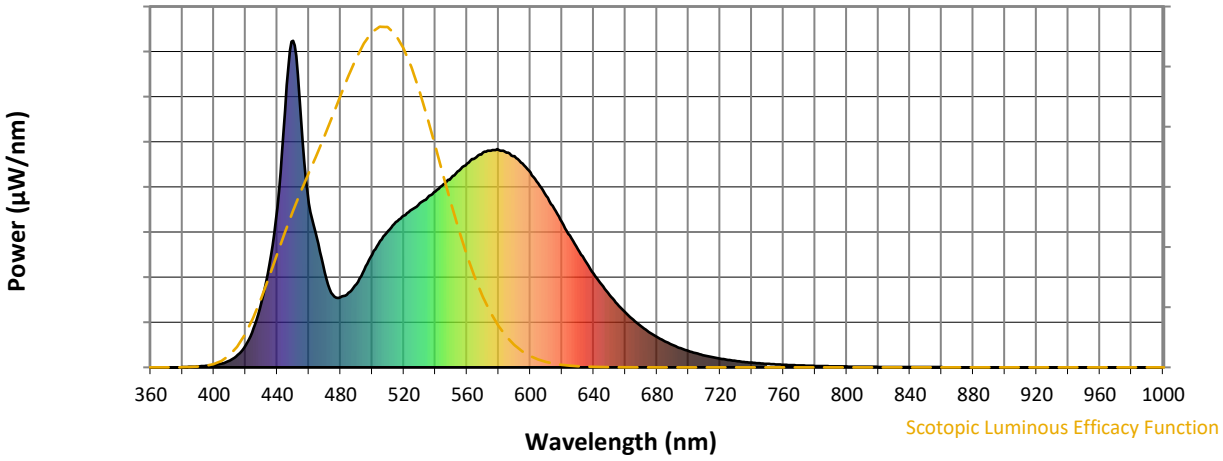


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

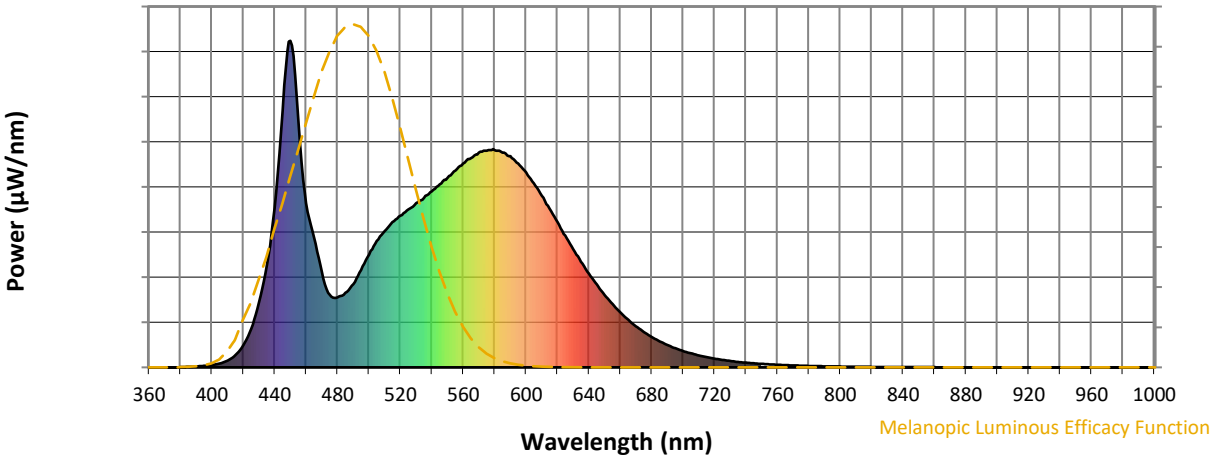


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

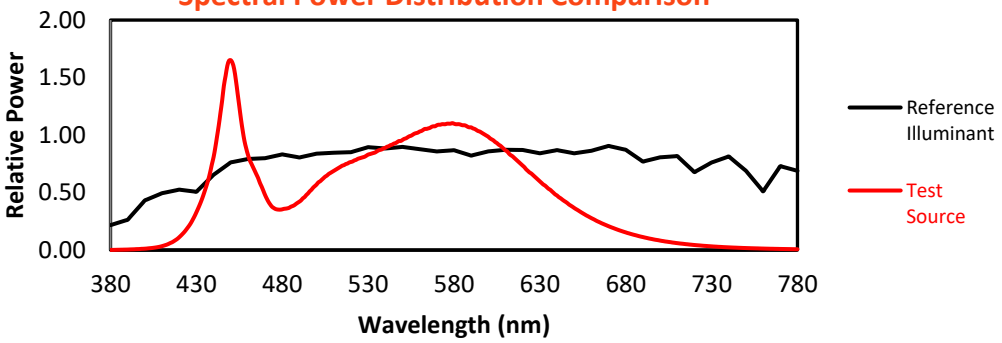
REPORT NUMBER: SP1-2501-332-5

TM-30-18

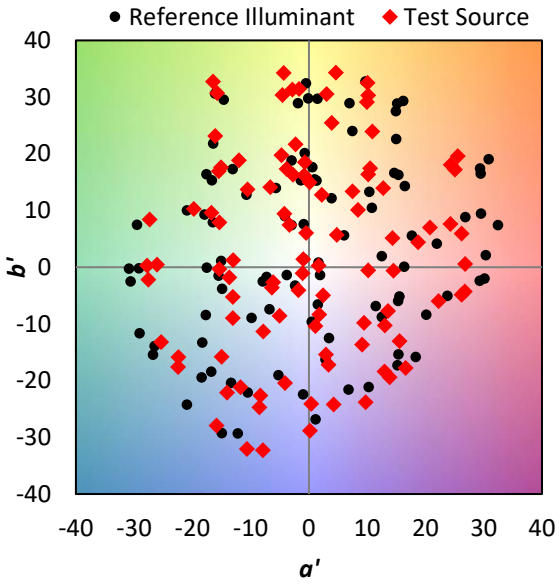
Summary

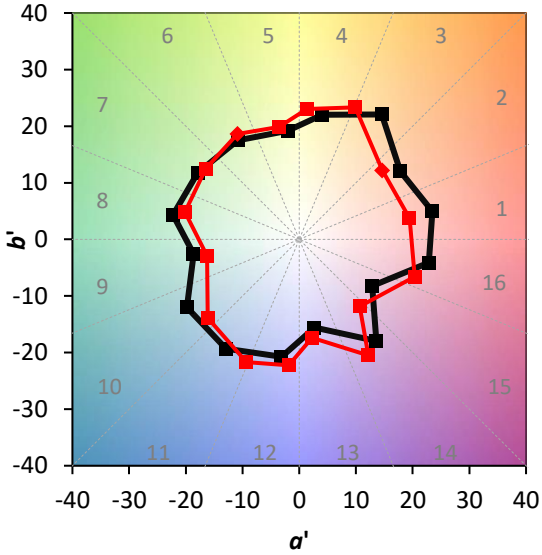
R_f = 78.3
R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

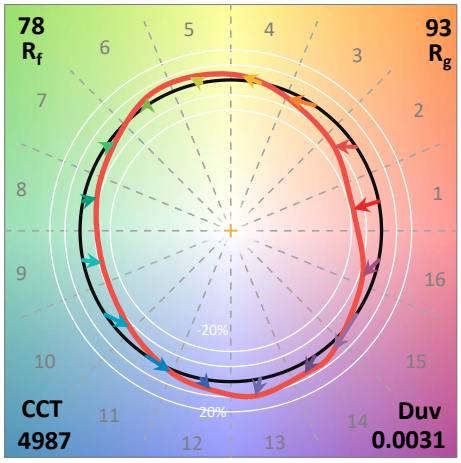
Spectral Power Distribution Comparison

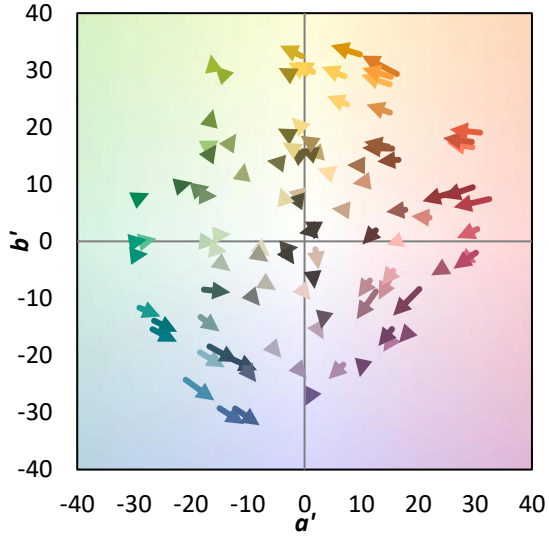


Color Vector Graphics







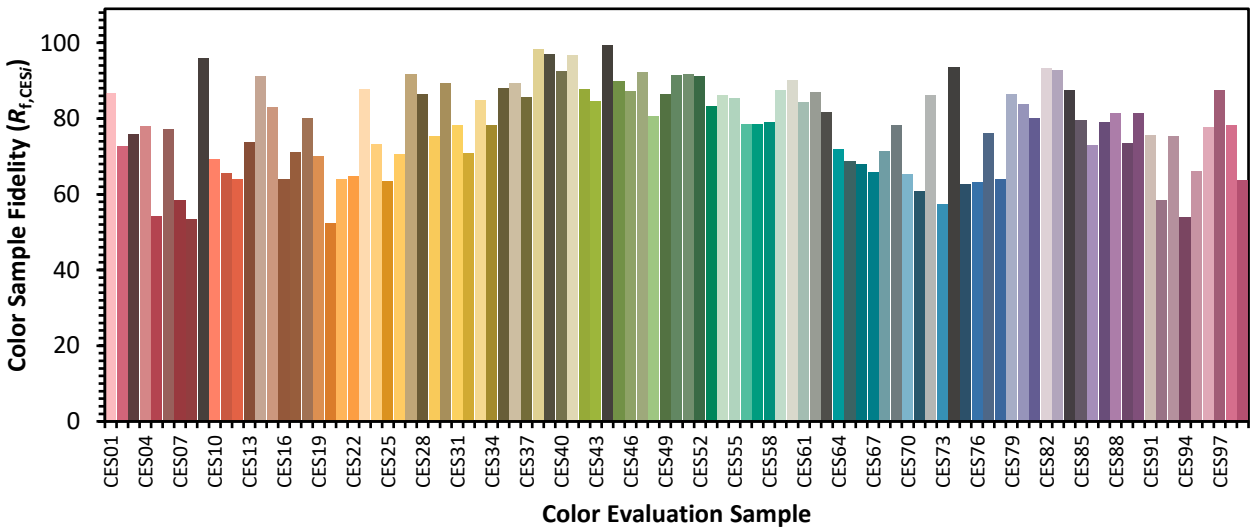


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

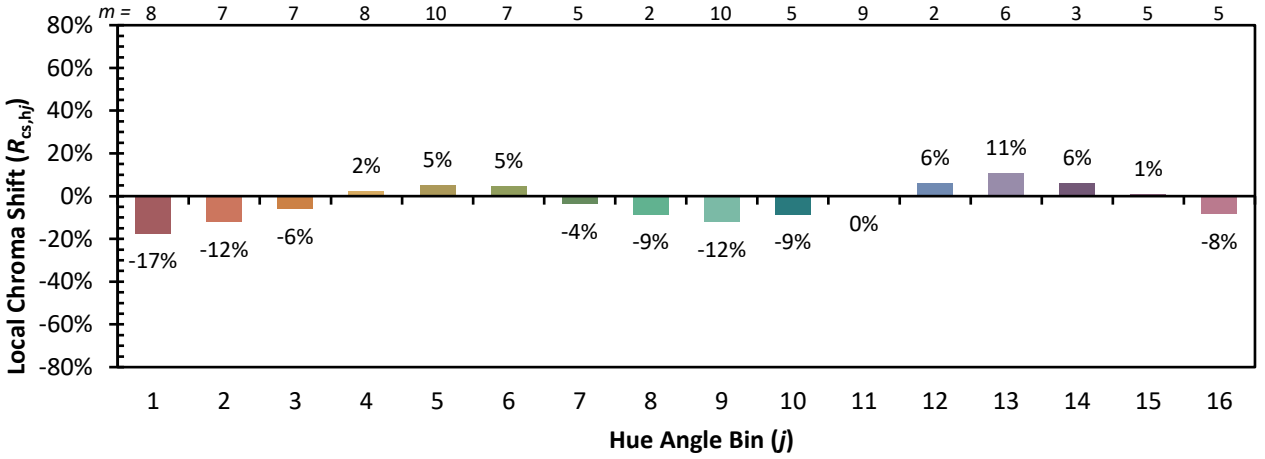
CES01 = 85	CES26 = 71	CES51 = 92	CES76 = 63
CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

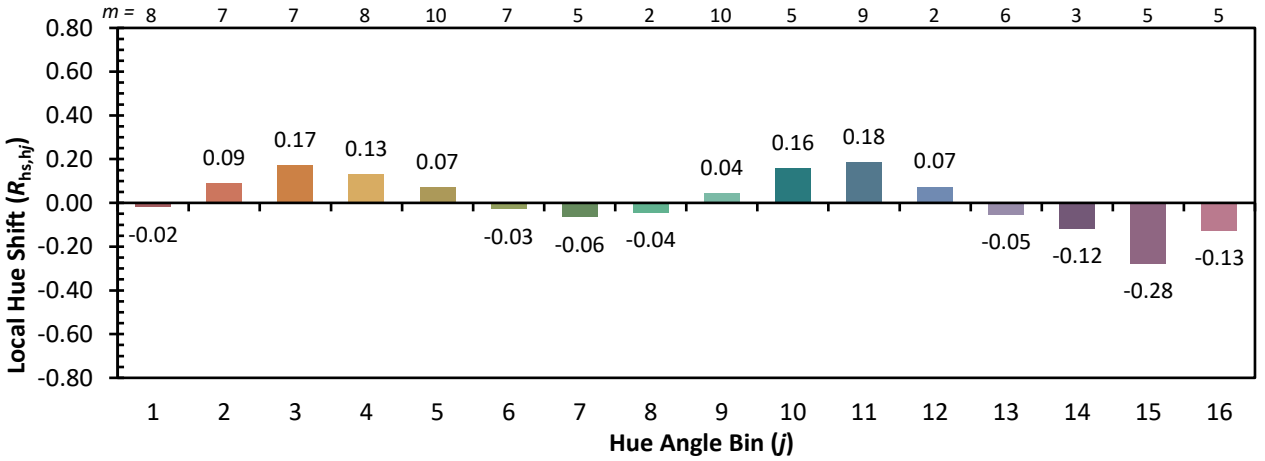


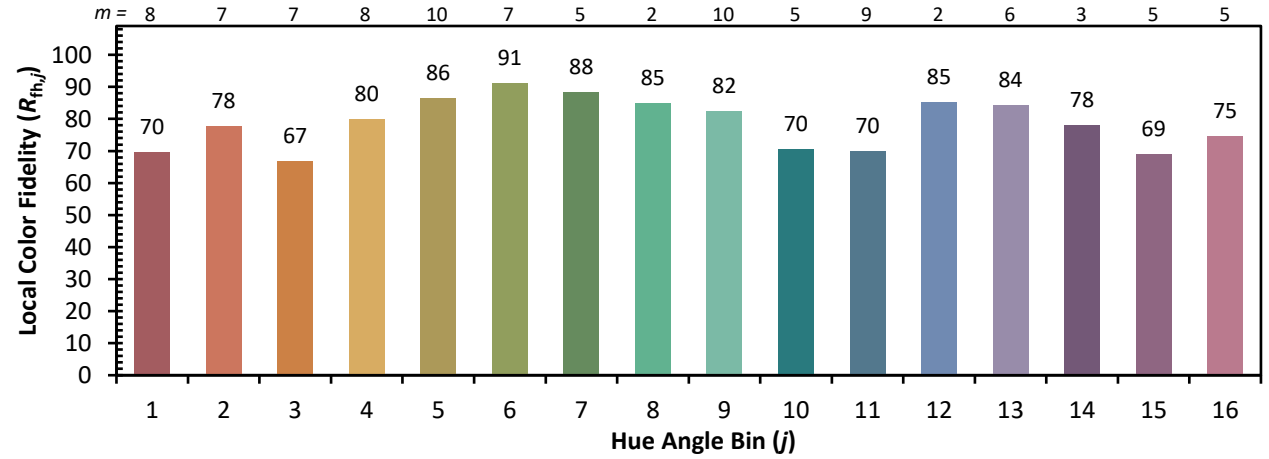
REPORT NUMBER: SP1-2501-332-5

TM-30-18

Color Rendition by Hue-Angle Bin



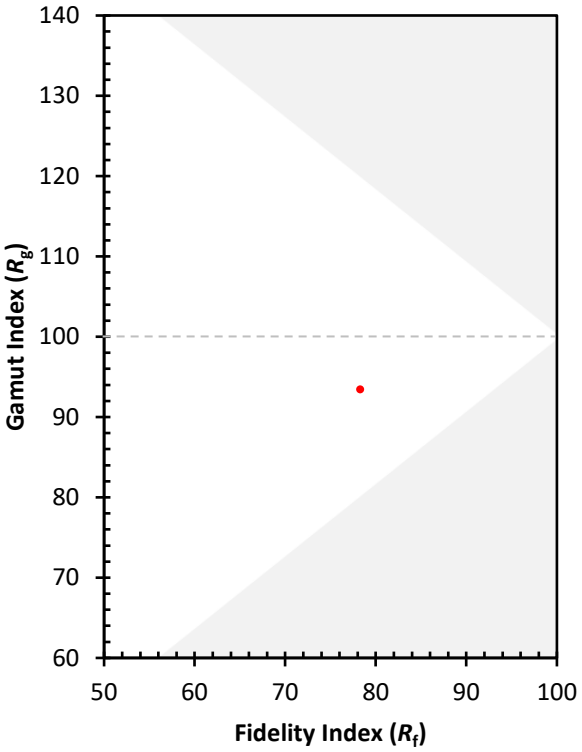


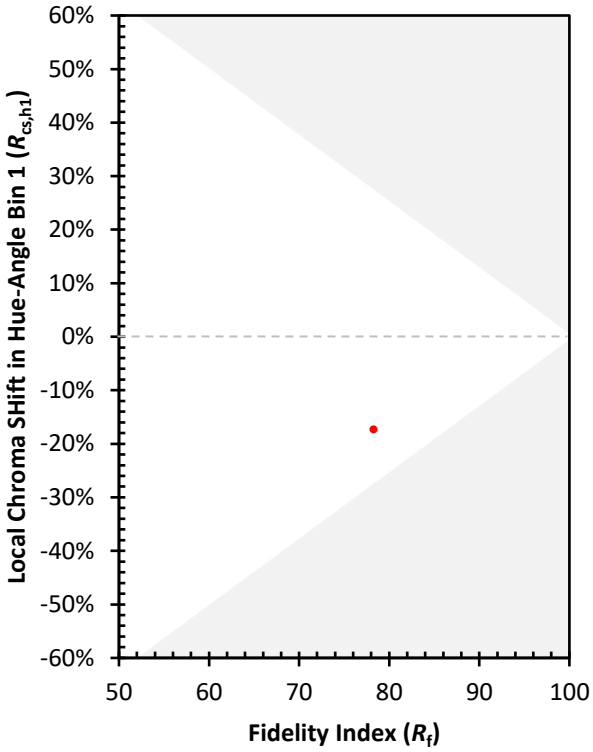


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Measure Comparisons





(END OF REPORT)