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: P1045772

Luminaire Tested: **FFX-CLB-60-750-U-FR-T5-UPLR-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:	P1045772
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-750-U-FR-T5-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6475.6 lumens
Efficiency:	N/A
Efficacy:	106.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U4 - G3

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

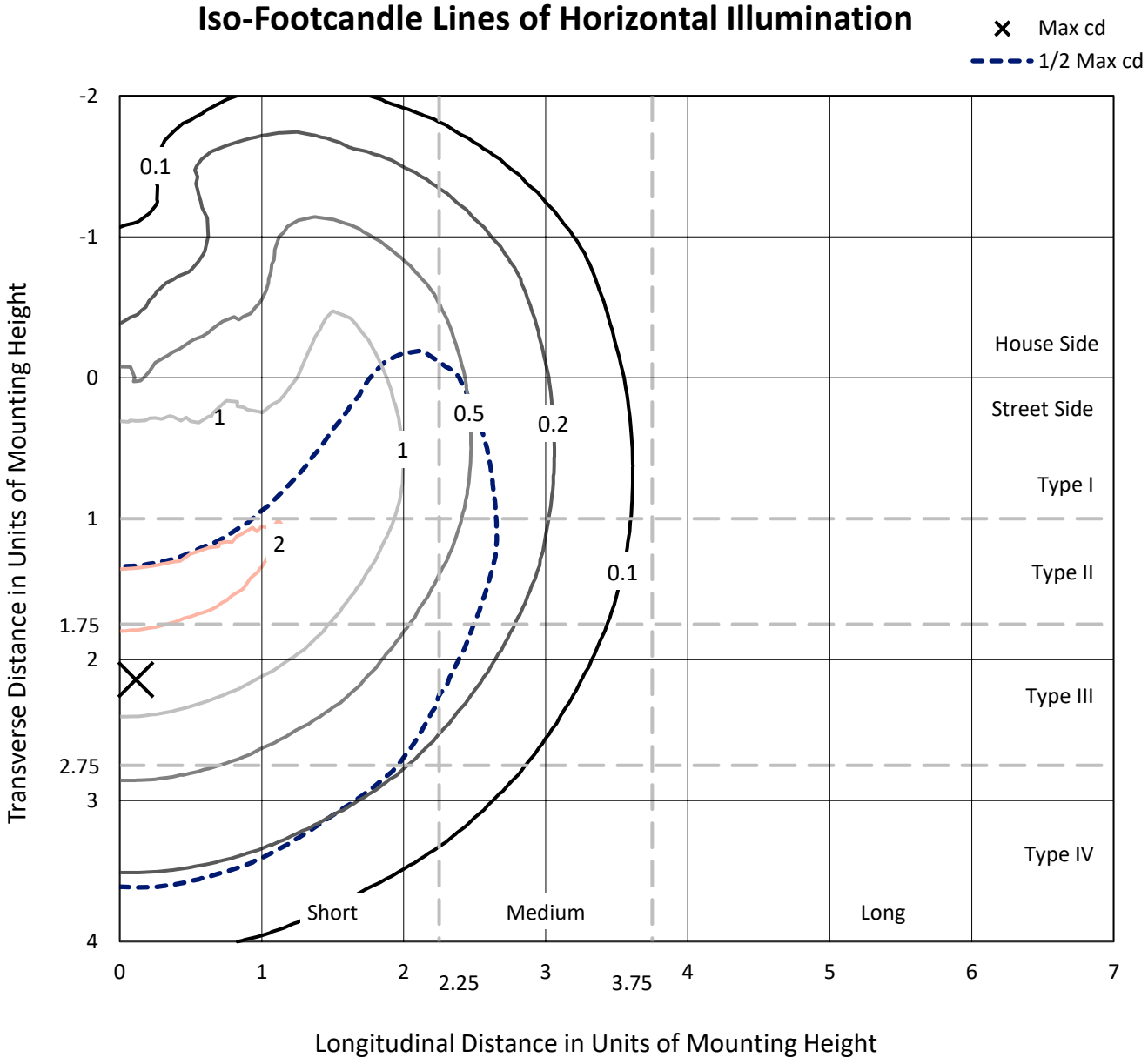


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Iso-Footcandle Lines of Horizontal Illumination



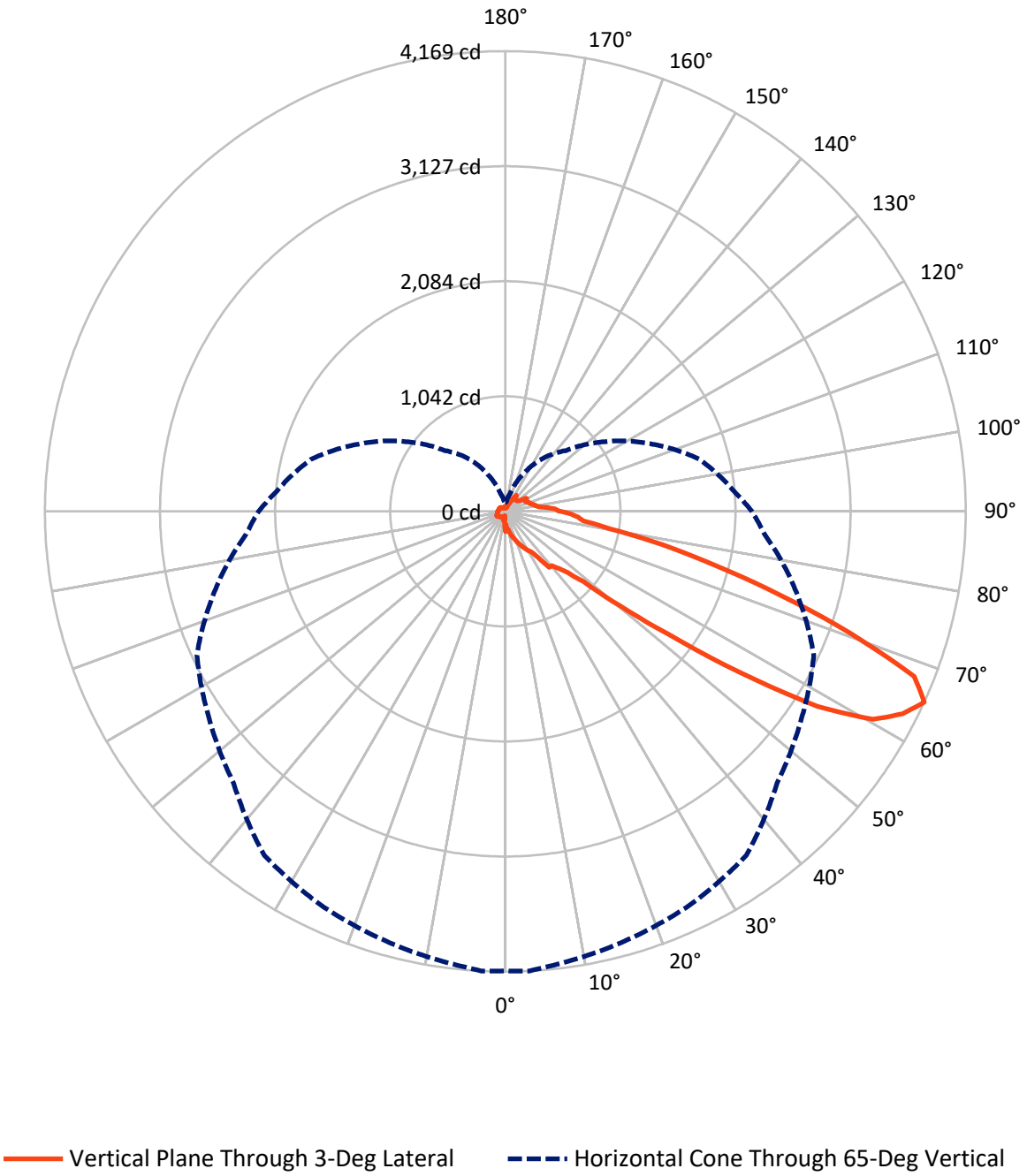
Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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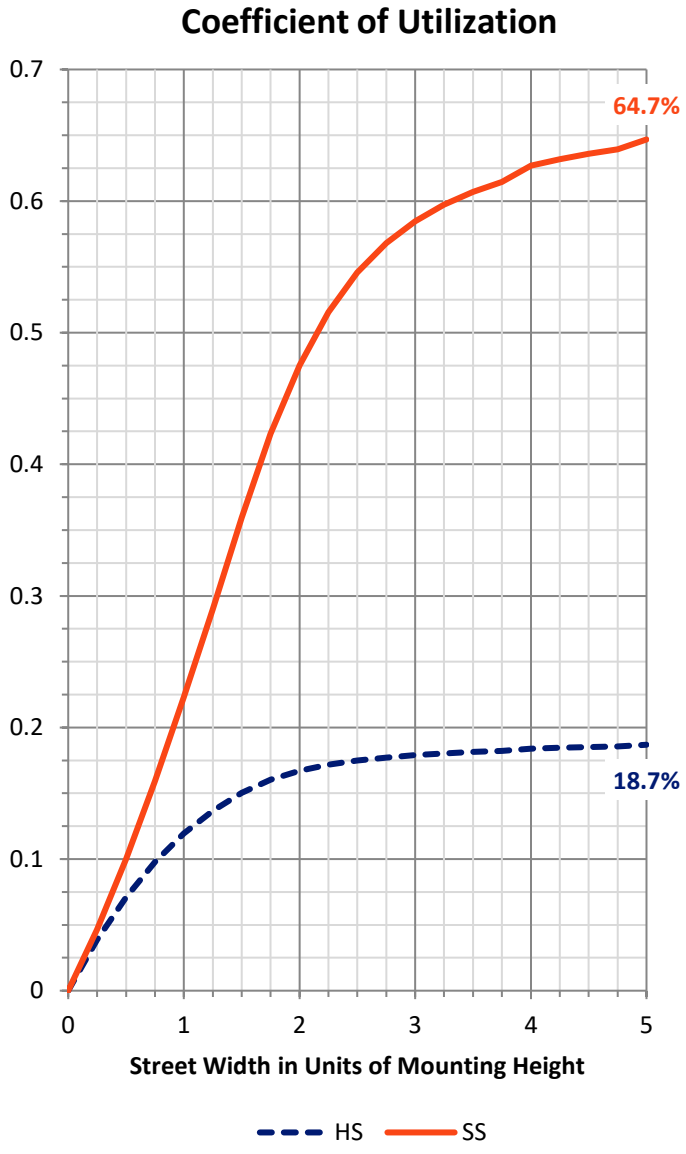
REPORT NUMBER: P1045772
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.8	272.4	1525.2
	% Fixture	19.3	4.2	23.6
Street Side	Lumens	4368.7	581.7	4950.4
	% Fixture	67.5	9.0	76.4
Total	Lumens	5621.5	854.1	6475.6
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.2
10°-20°	44.1	0.7
20°-30°	98.4	1.5
30°-40°	199.0	3.1
40°-50°	399.6	6.2
50°-60°	1282.6	19.8
60°-70°	2045.7	31.6
70°-80°	1112.8	17.2
80°-90°	427.6	6.6
90°-100°	254.9	3.9
100°-110°	169.1	2.6
110°-120°	134.8	2.1
120°-130°	112.3	1.7
130°-140°	77.4	1.2
140°-150°	62.5	1.0
150°-160°	27.9	0.4
160°-170°	11.3	0.2
170°-180°	3.8	0.1
0°-90°	5621.5	86.8
0°-180°	6475.6	100.0



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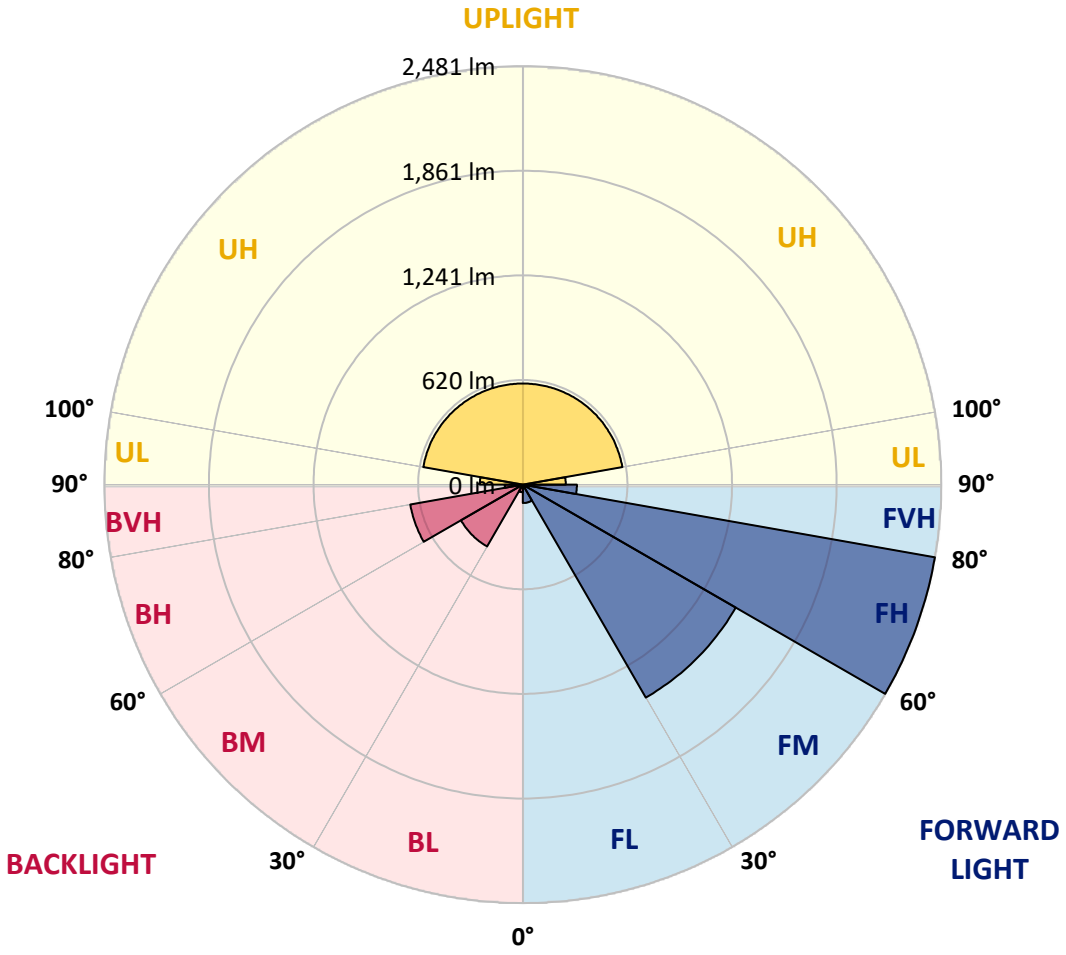
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	109.2	1.7			
FM	(30°-60°)	1457.9	22.5			
FH	(60°-80°)	2481.1	38.3			G2/5000
FVH	(80°-90°)	320.6	5.0			G3/500
BL	(0°-30°)	44.9	0.7	B0/110		
BM	(30°-60°)	423.3	6.5	B1/1000		
BH	(60°-80°)	677.5	10.5	B2/1000		G2/1000
BVH	(80°-90°)	107.0	1.7			G2/225
UL	(90°-100°)	254.9	3.9		U3/500	
UH	(100°-180°)	599.2	9.3		U4/1000	

BUG Rating: B2-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0
2.5°	118.3	117.6	119.8	130.2	157.0	165.9	158.5	145.8	143.6	157.0	167.4
5°	161.4	160.0	158.5	148.1	137.6	142.8	157.7	161.4	146.6	119.0	101.2
7.5°	163.7	162.2	162.9	162.9	160.7	151.0	139.9	145.1	157.7	140.6	110.9
10°	182.3	181.5	181.5	180.8	178.6	175.6	174.8	163.7	144.3	129.5	123.5
12.5°	212.8	212.8	212.0	211.3	209.1	203.9	197.2	188.2	182.3	164.4	145.8
15°	237.3	235.1	236.6	234.4	230.6	227.7	219.5	209.8	192.0	180.0	163.7
17.5°	261.1	261.1	261.9	258.2	253.7	251.5	242.5	229.9	212.8	192.0	176.3
20°	290.9	288.7	288.7	285.0	279.7	272.3	264.1	253.0	238.8	210.6	189.7
22.5°	319.2	319.9	319.9	314.0	305.8	299.1	287.9	274.5	261.1	232.1	205.3
25°	351.2	350.4	349.7	348.9	340.8	328.9	314.7	300.6	290.9	262.6	225.4
27.5°	380.9	379.4	378.7	382.4	375.0	363.1	342.2	325.1	314.7	285.7	244.0
30°	413.7	412.9	412.9	414.4	411.4	392.8	370.5	350.4	335.5	306.5	261.9
32.5°	442.7	441.2	441.9	447.9	447.1	423.3	403.3	378.7	360.1	337.0	287.9
35°	514.1	511.1	515.6	524.5	531.2	505.9	478.4	440.5	412.2	388.4	337.8
37.5°	642.8	643.6	645.1	633.1	607.9	589.3	575.9	545.4	510.4	470.2	410.7
40°	648.0	647.3	651.0	668.9	679.3	647.3	616.0	580.3	571.4	537.2	461.3
42.5°	708.3	703.8	707.5	724.7	738.8	719.5	691.9	631.7	598.9	568.4	505.9
45°	794.6	789.4	796.1	799.1	796.1	775.3	779.7	730.6	700.1	638.4	551.3
47.5°	926.3	950.1	953.8	954.6	984.3	956.0	938.2	891.3	822.1	748.5	649.5
50°	1300.5	1339.2	1325.8	1313.2	1315.4	1293.8	1269.3	1204.5	1111.5	987.3	845.9
52.5°	1856.3	1841.4	1843.6	1851.8	1872.7	1776.7	1735.0	1637.6	1487.3	1338.5	1134.6
55°	2536.3	2561.6	2560.1	2586.9	2583.2	2479.8	2348.1	2184.4	1965.7	1747.7	1506.6
57.5°	3377.0	3332.4	3302.6	3253.5	3211.1	3070.5	2983.5	2806.4	2517.0	2189.6	1880.1
60°	3848.7	3824.2	3816.7	3749.0	3691.0	3518.4	3339.1	3147.1	2921.0	2534.1	2182.9
62.5°	4025.8	4037.7	4027.3	3983.4	3944.7	3793.7	3492.4	3283.3	3080.9	2708.9	2339.2
65°	4162.0	4168.7	4144.9	4045.2	3939.5	3804.1	3479.7	3273.6	3081.7	2715.6	2354.0
67.5°	3995.3	3993.8	3975.2	3831.6	3653.1	3519.1	3224.5	3002.8	2839.9	2534.1	2185.1
70°	3317.5	3322.0	3325.7	3220.1	3024.4	2924.7	2626.3	2435.9	2295.3	2031.1	1780.4
72.5°	2597.3	2610.7	2616.7	2534.1	2389.0	2286.3	2086.9	1944.1	1813.1	1603.3	1406.2
75°	1953.8	1967.1	1963.4	1912.1	1810.2	1781.9	1685.2	1563.2	1453.8	1290.8	1124.2
77.5°	1465.7	1454.5	1451.6	1401.7	1301.3	1308.7	1281.2	1211.2	1126.4	1030.4	914.4
80°	970.9	961.3	941.9	959.0	950.8	927.0	881.6	845.9	812.5	755.2	691.9
82.5°	714.2	711.3	707.5	696.4	688.9	683.0	662.9	605.6	565.4	532.7	494.8
85°	668.1	659.2	660.7	641.3	618.3	597.4	581.8	557.3	526.0	474.7	419.6
87.5°	583.3	583.3	578.8	565.4	542.4	537.2	526.0	508.9	490.3	450.9	401.8
90°	485.1	482.1	482.1	481.4	476.2	472.4	450.9	435.2	427.1	387.6	353.4
92.5°	447.9	446.4	443.4	439.7	424.8	421.9	400.3	380.2	362.3	337.8	311.0
95°	363.8	366.8	360.1	359.4	351.9	347.5	330.3	320.7	308.8	288.7	264.1
97.5°	307.3	302.8	303.6	296.9	289.4	286.4	276.0	261.9	250.7	235.1	217.2
100°	282.0	281.2	279.7	274.5	264.1	257.4	246.3	232.9	221.7	207.6	192.7
102.5°	265.6	264.9	264.1	259.7	247.8	244.0	233.6	223.2	213.5	200.9	181.5
105°	249.2	248.5	247.0	241.8	234.4	230.6	221.0	215.0	205.3	194.2	175.6
107.5°	234.4	234.4	233.6	227.7	223.2	220.2	210.6	205.3	194.9	185.3	167.4
110°	226.9	226.9	226.2	221.7	212.8	208.3	199.4	192.7	183.0	173.4	159.2

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	218.7	*219.5*	219.5	221.0	199.4	191.2	183.8	178.6	170.4	161.4	149.5
115°	200.1	*200.9*	200.1	207.6	200.1	189.0	184.5	175.6	165.2	151.0	138.4
117.5°	201.6	*201.6*	203.1	206.8	203.1	192.7	183.0	171.9	162.9	148.8	137.6
120°	228.4	*226.9*	226.9	219.5	218.0	208.3	201.6	189.7	174.8	160.7	145.1
122.5°	219.5	*218.7*	219.5	207.6	206.8	204.6	202.4	200.1	180.8	172.6	152.5
125°	175.6	*174.1*	173.4	168.9	176.3	171.1	169.6	174.8	162.2	154.8	143.6
127.5°	157.0	*155.5*	154.8	153.3	157.7	148.8	147.3	148.8	139.1	130.2	123.5
130°	150.3	*148.1*	148.1	153.3	160.0	152.5	144.3	138.4	134.7	128.7	117.6
132.5°	142.1	*142.1*	142.8	149.5	161.4	153.3	138.4	126.5	125.0	125.7	120.5
135°	139.9	*139.1*	139.9	137.6	136.9	132.4	125.7	116.1	113.8	119.8	113.8
137.5°	143.6	*142.8*	142.1	136.2	129.5	125.7	124.2	118.3	112.3	108.6	102.7
140°	142.1	*142.1*	141.4	139.9	135.4	128.0	126.5	120.5	114.6	107.9	100.4
142.5°	144.3	*146.6*	148.1	149.5	148.1	139.9	131.7	122.0	115.3	111.6	103.4
145°	177.8	*177.8*	177.8	174.8	169.6	162.9	157.0	150.3	145.1	133.2	122.0
147.5°	147.3	*147.3*	146.6	147.3	147.3	144.3	143.6	141.4	142.1	136.2	125.0
150°	101.9	*104.2*	104.2	107.9	109.4	107.9	107.9	109.4	107.1	106.4	100.4
152.5°	82.6	*81.8*	80.4	81.8	81.8	82.6	82.6	81.1	80.4	80.4	76.6
155°	72.9	*72.9*	72.9	72.2	70.7	71.4	72.2	72.2	69.9	68.4	65.5
157.5°	58.0	*57.3*	57.3	58.8	58.8	58.8	58.8	58.8	58.8	59.5	60.3
160°	49.1	*47.6*	48.4	48.4	49.1	49.8	49.1	49.8	49.8	50.6	49.8
162.5°	40.2	*39.4*	39.4	40.2	40.9	41.7	42.4	42.4	43.2	44.6	45.4
165°	35.7	*35.7*	35.7	36.5	36.5	37.2	37.9	38.7	40.2	42.4	43.2
167.5°	33.5	*33.5*	33.5	33.5	34.2	35.0	36.5	38.7	40.2	42.4	42.4
170°	32.7	*32.7*	33.5	33.5	33.5	34.2	37.2	39.4	40.2	40.9	40.9
172.5°	34.2	*34.2*	34.2	34.2	34.2	35.7	39.4	40.2	40.2	40.2	40.9
175°	35.7	*35.7*	35.0	35.0	35.7	36.5	37.2	40.9	42.4	43.2	44.6
177.5°	33.5	*33.5*	33.5	34.2	34.2	35.0	35.7	37.2	37.2	38.7	40.9
180°	37.2	*37.2*	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0
2.5°	174.8	187.5	171.9	155.5	143.6	150.3	157.7	151.8	145.1	145.8	133.2
5°	104.9	107.9	109.4	95.2	78.9	87.8	107.1	100.4	77.4	43.2	37.2
7.5°	101.2	96.7	95.2	105.6	96.0	64.0	49.8	45.4	60.3	72.2	75.9
10°	119.8	114.6	103.4	84.8	75.1	70.7	69.2	66.2	57.3	44.6	42.4
12.5°	137.6	131.7	121.3	112.3	99.7	83.3	72.9	69.9	75.1	84.1	84.1
15°	155.5	147.3	133.9	122.0	112.3	94.5	81.1	69.2	67.7	69.9	69.9
17.5°	168.1	159.2	143.6	127.2	110.1	93.0	77.4	65.5	60.3	58.8	58.8
20°	180.8	172.6	154.0	136.2	115.3	95.2	77.4	64.7	58.8	56.5	55.8
22.5°	197.2	186.7	165.9	146.6	121.3	96.7	76.6	65.5	58.8	55.1	54.3
25°	215.8	203.9	180.0	157.0	127.2	98.2	77.4	66.2	59.5	55.1	54.3
27.5°	230.6	218.0	194.9	168.9	134.7	101.9	80.4	67.7	60.3	55.8	55.1
30°	247.8	234.4	208.3	181.5	143.6	107.9	86.3	72.2	63.2	57.3	57.3
32.5°	273.8	255.9	226.9	193.4	152.5	114.6	93.0	77.4	66.2	61.8	61.8
35°	316.2	298.3	259.7	216.5	162.2	121.3	98.2	82.6	69.9	64.0	64.0
37.5°	383.9	357.1	314.0	254.4	177.8	126.5	104.2	86.3	72.2	64.0	62.5
40°	423.3	393.6	339.3	282.7	197.2	133.2	108.6	89.3	73.7	64.7	64.0
42.5°	467.2	433.0	363.1	290.2	209.8	148.8	115.3	92.3	75.1	67.0	65.5
45°	513.4	480.6	417.4	329.6	239.6	170.4	126.5	98.2	79.6	69.9	68.4
47.5°	597.4	557.3	475.4	385.4	283.5	204.6	151.0	107.9	84.8	72.9	71.4
50°	786.4	749.2	635.4	500.7	353.4	253.7	189.0	128.0	93.0	75.1	72.9
52.5°	1042.4	976.1	847.4	678.5	493.3	355.6	252.2	172.6	105.6	77.4	73.7
55°	1414.4	1340.7	1150.2	930.0	675.6	516.3	381.7	259.7	150.3	79.6	72.9
57.5°	1784.1	1694.8	1534.9	1233.6	907.7	658.4	510.4	380.2	218.7	89.3	75.1
60°	2049.0	1940.4	1742.5	1466.4	1101.1	774.5	576.6	414.4	243.3	91.5	77.4
62.5°	2205.2	2069.1	1820.6	1491.0	1147.3	822.9	603.4	391.3	209.1	89.3	80.4
65°	*2233.5*	*2078.7*	*1820.6*	*1448.6*	*1099.6*	*780.5*	*583.3*	*361.6*	*165.2*	*85.6*	*82.6*
67.5°	2071.3	1927.0	1709.0	1330.3	975.4	670.3	502.2	297.6	125.7	82.6	81.8
70°	1700.1	1591.4	1413.6	1087.0	791.6	545.4	399.5	229.2	101.9	78.9	77.4
72.5°	1326.6	1226.1	1092.9	852.6	612.3	432.3	305.0	179.3	90.8	75.9	75.1
75°	1043.8	968.7	858.6	673.3	460.5	327.4	231.4	135.4	81.8	74.4	72.9
77.5°	854.1	805.0	691.2	514.1	343.7	243.3	172.6	107.9	78.1	72.9	72.2
80°	664.4	623.5	552.1	384.7	246.3	183.0	136.2	95.2	75.9	72.2	71.4
82.5°	473.9	459.8	399.5	299.1	205.3	157.0	122.8	91.5	75.1	71.4	70.7
85°	395.8	375.7	331.1	259.7	189.0	149.5	117.6	90.0	75.1	71.4	70.7
87.5°	382.4	364.6	323.6	247.8	177.8	140.6	112.3	87.0	73.7	69.9	69.9
90°	337.8	319.9	288.7	223.2	163.7	130.9	104.9	82.6	70.7	67.0	67.0
92.5°	299.1	288.7	258.9	204.6	157.0	125.7	101.2	80.4	69.2	66.2	65.5
95°	253.0	244.0	221.0	184.5	147.3	119.8	98.2	78.1	67.7	64.7	64.7
97.5°	209.8	202.4	184.5	156.2	127.2	106.4	88.5	73.7	65.5	63.2	63.2
100°	185.3	179.3	163.7	140.6	117.6	99.7	85.6	72.9	64.7	61.8	61.8
102.5°	175.6	169.6	154.0	133.2	111.6	95.2	83.3	71.4	64.0	61.0	60.3
105°	168.1	162.2	148.1	126.5	105.6	90.8	78.9	69.9	62.5	60.3	59.5
107.5°	160.7	154.0	140.6	119.0	100.4	86.3	75.9	67.7	61.8	59.5	59.5
110°	152.5	146.6	133.9	113.1	96.7	83.3	74.4	67.0	61.8	59.5	59.5

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

Scaled Data Report

REPORT NUMBER: P1045772
CATALOG NUMBER: FFX-CLB-60-750-U-FR-T5-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	143.6	137.6	125.7	107.1	93.0	81.1	72.9	66.2	61.8	59.5	59.5
115°	133.2	128.0	116.8	101.2	88.5	78.1	70.7	64.7	60.3	58.8	58.8
117.5°	130.2	124.2	113.1	99.0	87.0	75.9	69.2	63.2	59.5	58.0	58.0
120°	136.9	128.7	116.8	103.4	87.0	74.4	67.7	62.5	58.8	57.3	57.3
122.5°	145.8	139.1	125.7	101.2	84.1	72.9	66.2	61.8	58.0	57.3	57.3
125°	137.6	133.2	120.5	93.7	81.1	71.4	65.5	61.8	58.8	57.3	57.3
127.5°	120.5	116.1	106.4	89.3	78.1	69.9	64.7	61.8	59.5	57.3	57.3
130°	113.8	107.9	99.0	85.6	75.1	67.7	64.0	61.8	59.5	56.5	55.8
132.5°	116.8	111.6	97.5	80.4	70.7	64.7	61.8	60.3	55.8	52.8	52.1
135°	110.1	104.9	90.8	76.6	68.4	64.0	61.0	56.5	52.1	48.4	48.4
137.5°	98.2	92.3	84.1	73.7	67.7	65.5	61.8	55.8	49.8	46.9	46.9
140°	97.5	90.8	83.3	72.9	66.2	60.3	55.8	49.8	45.4	43.9	43.2
142.5°	99.0	94.5	84.1	72.2	63.2	55.8	50.6	46.1	43.2	40.9	40.9
145°	114.6	107.9	94.5	78.9	68.4	59.5	52.1	46.1	41.7	37.9	37.2
147.5°	118.3	111.6	99.7	86.3	72.9	61.8	51.3	43.9	37.9	35.0	34.2
150°	99.0	94.5	87.8	77.4	65.5	54.3	45.4	38.7	35.0	33.5	32.7
152.5°	75.1	73.7	69.2	61.8	53.6	46.1	40.2	36.5	34.2	33.5	32.7
155°	64.0	63.2	58.8	52.8	46.1	40.9	37.2	35.0	33.5	33.5	32.7
157.5°	59.5	58.0	54.3	48.4	42.4	39.4	35.7	34.2	33.5	33.5	33.5
160°	49.8	48.4	45.4	43.2	39.4	37.2	35.0	34.2	33.5	33.5	32.7
162.5°	44.6	43.2	41.7	39.4	38.7	37.9	37.2	35.7	35.0	34.2	34.2
165°	42.4	41.7	39.4	38.7	38.7	39.4	39.4	37.9	36.5	35.0	35.0
167.5°	41.7	40.9	39.4	38.7	40.2	40.9	41.7	40.2	38.7	36.5	35.7
170°	41.7	41.7	40.9	40.2	40.9	41.7	42.4	42.4	41.7	40.2	40.2
172.5°	41.7	42.4	41.7	41.7	41.7	41.7	41.7	43.2	43.2	42.4	42.4
175°	44.6	44.6	42.4	41.7	42.4	43.2	43.9	43.2	43.2	43.9	43.9
177.5°	40.9	42.4	45.4	46.1	47.6	47.6	46.1	45.4	43.2	42.4	42.4
180°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2

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

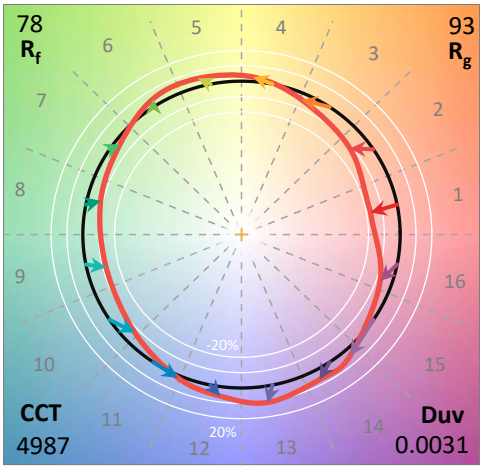
Test Information

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

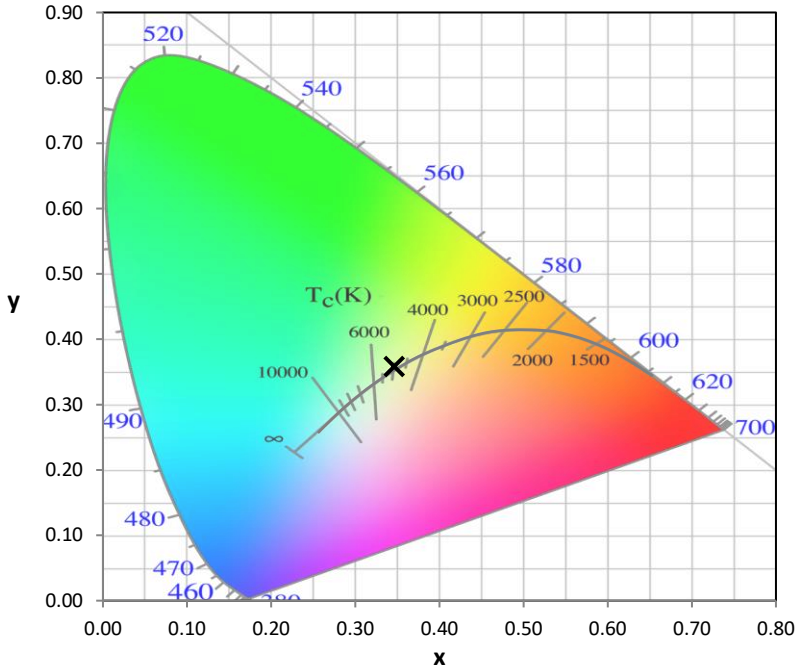
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

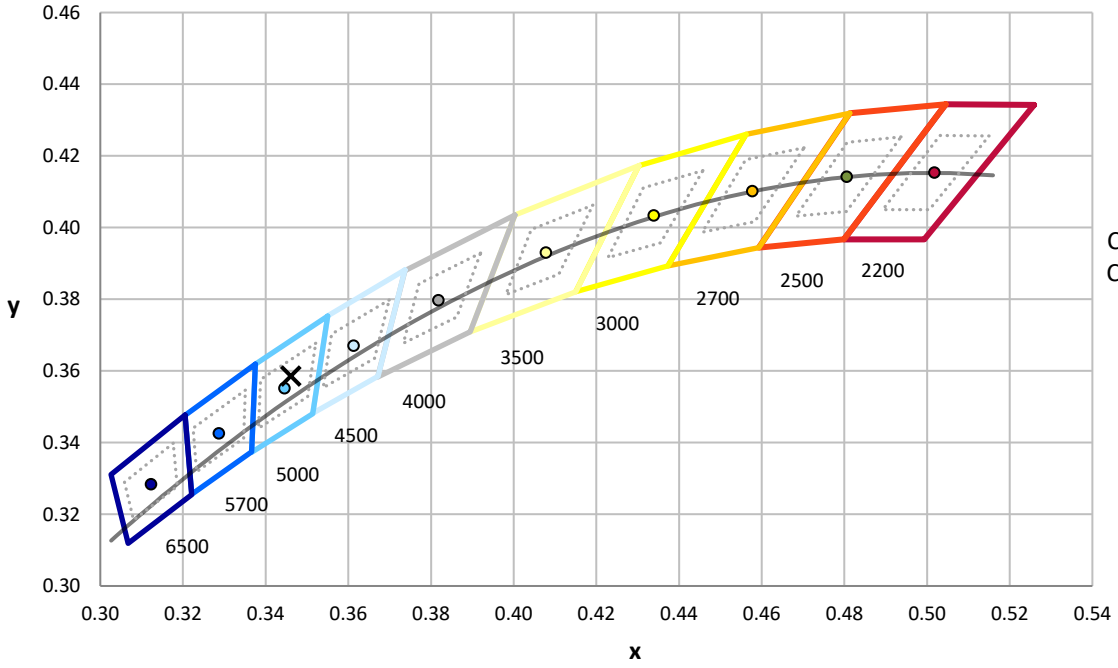
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

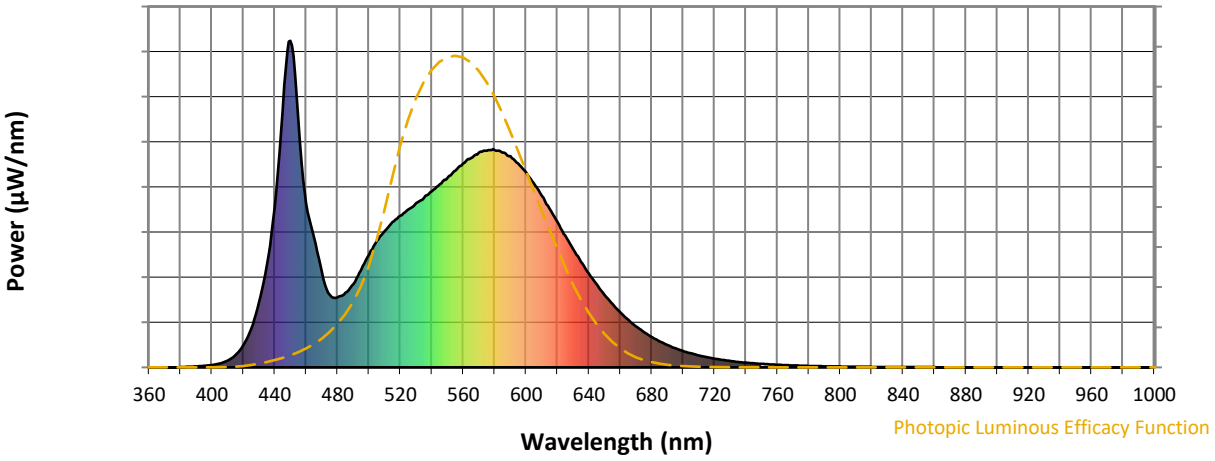


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

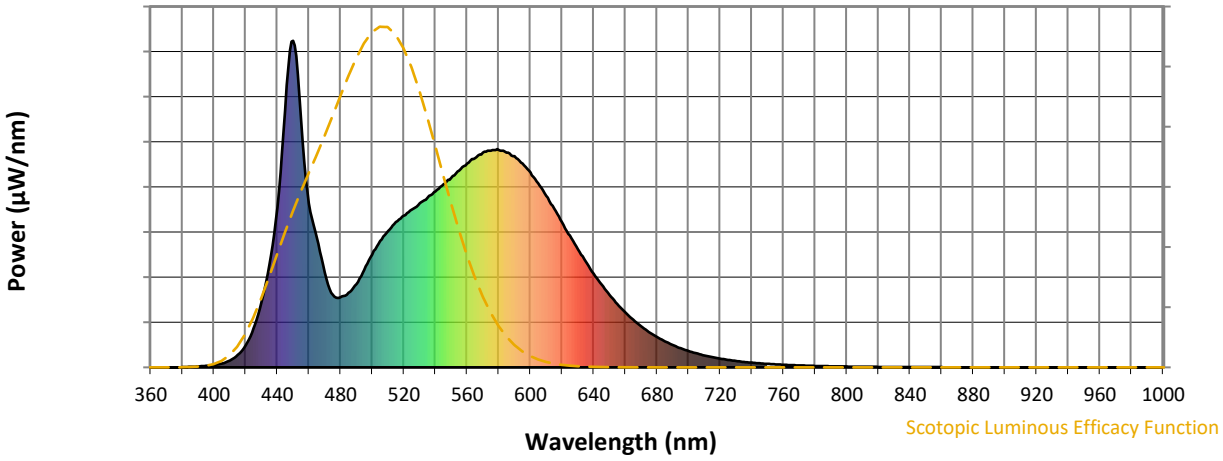


Photopic Lumens: NR

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

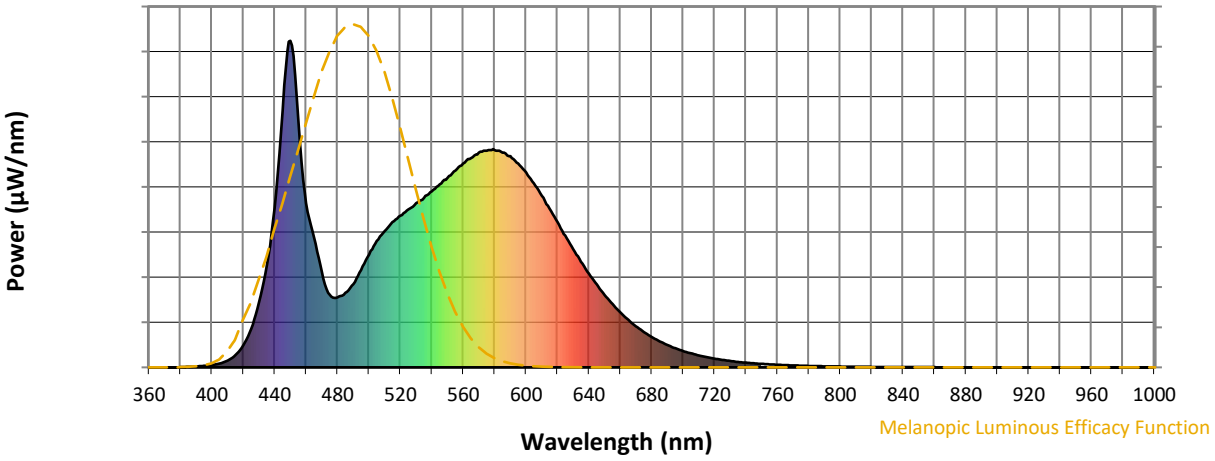


Scotopic Lumens: NR **S/P: 1.87**

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			

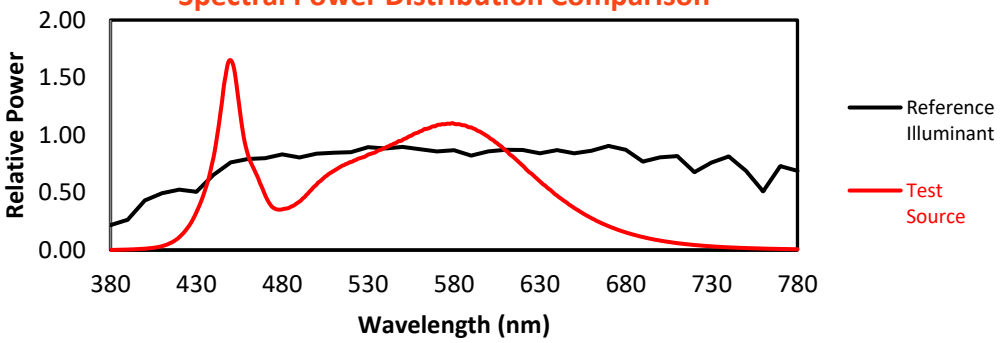
REPORT NUMBER: SP1-2501-332-5

TM-30-18

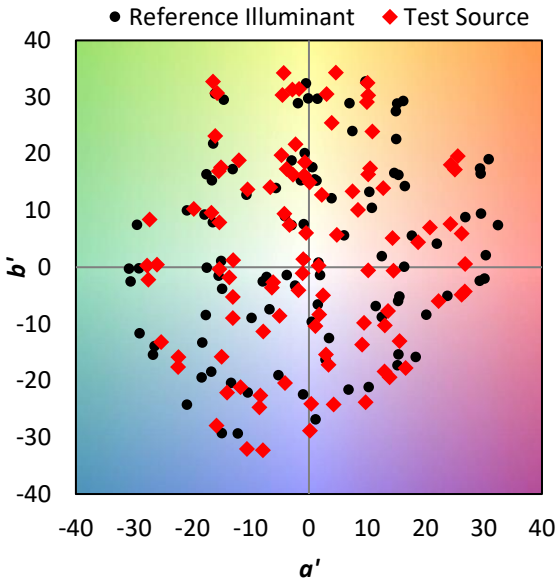
Summary

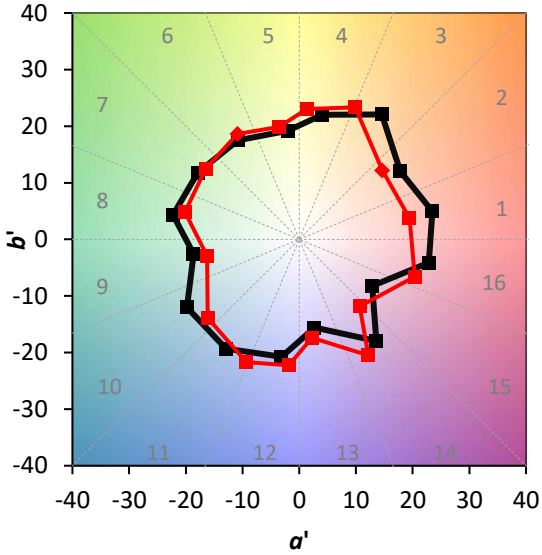
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

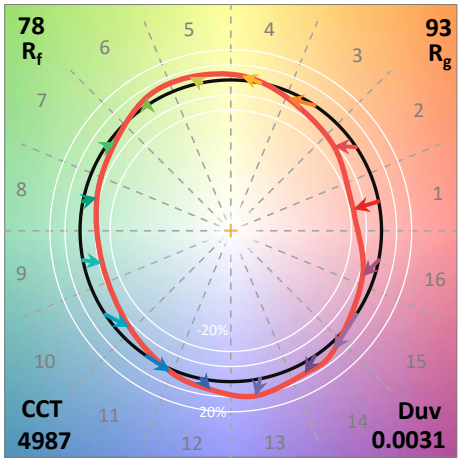
Spectral Power Distribution Comparison

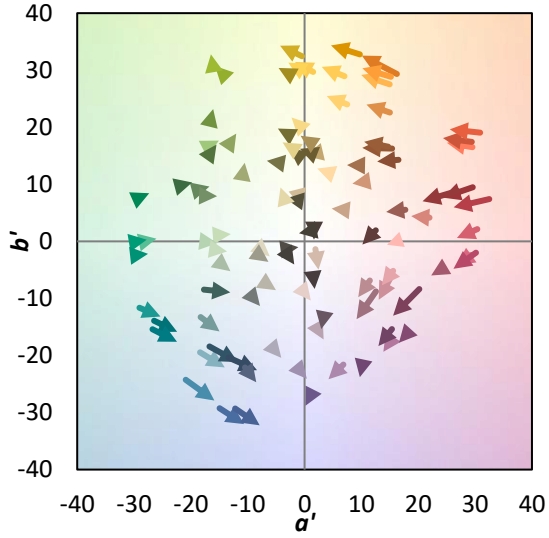


Color Vector Graphics







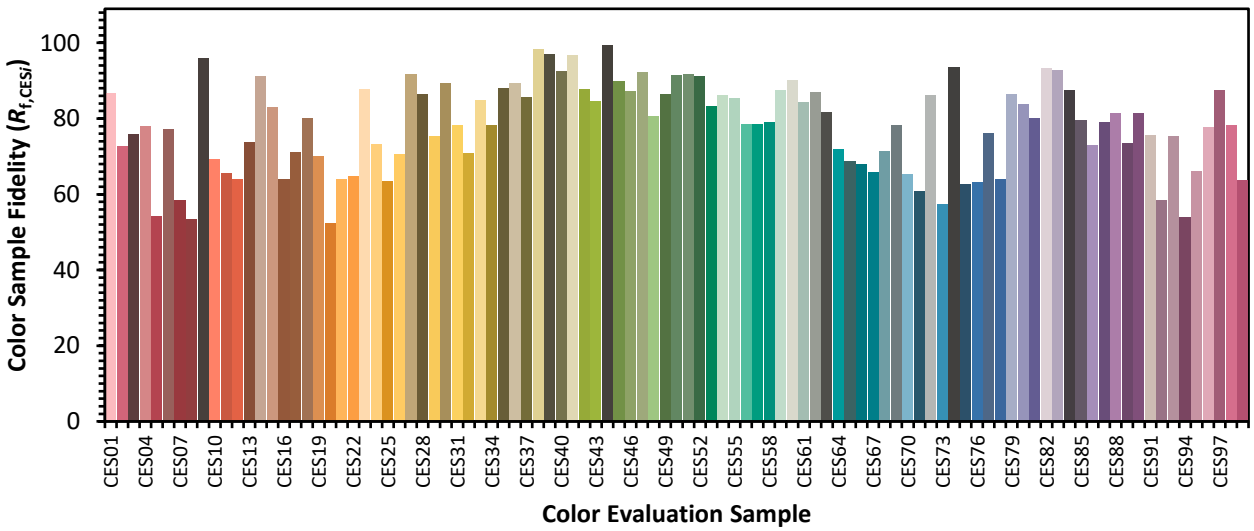


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

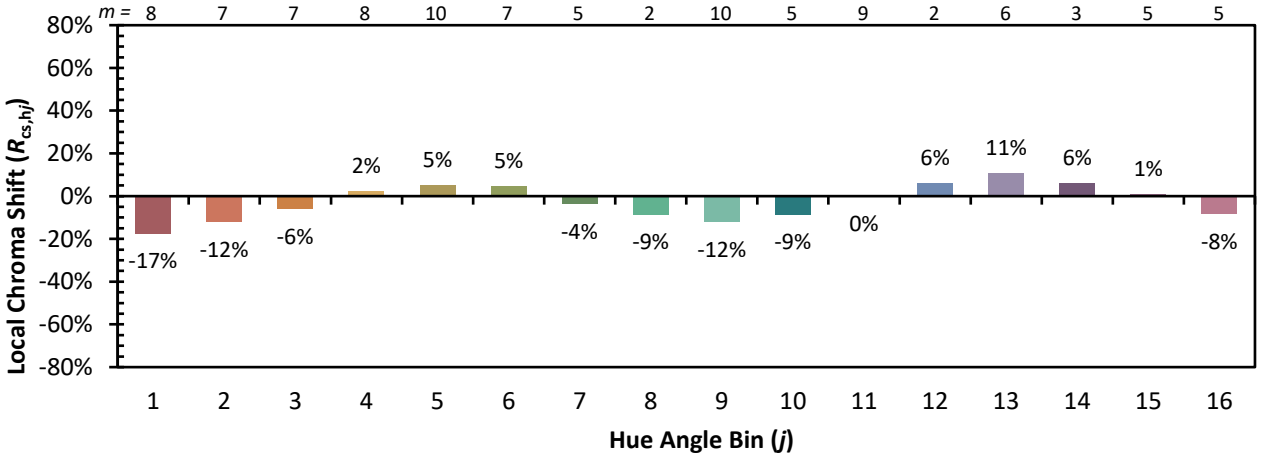
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 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	

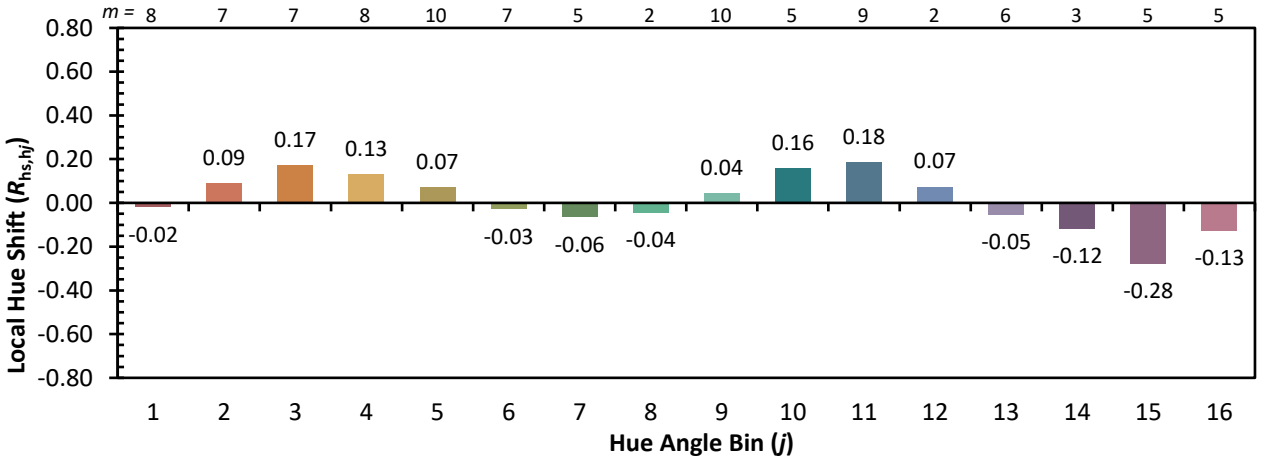


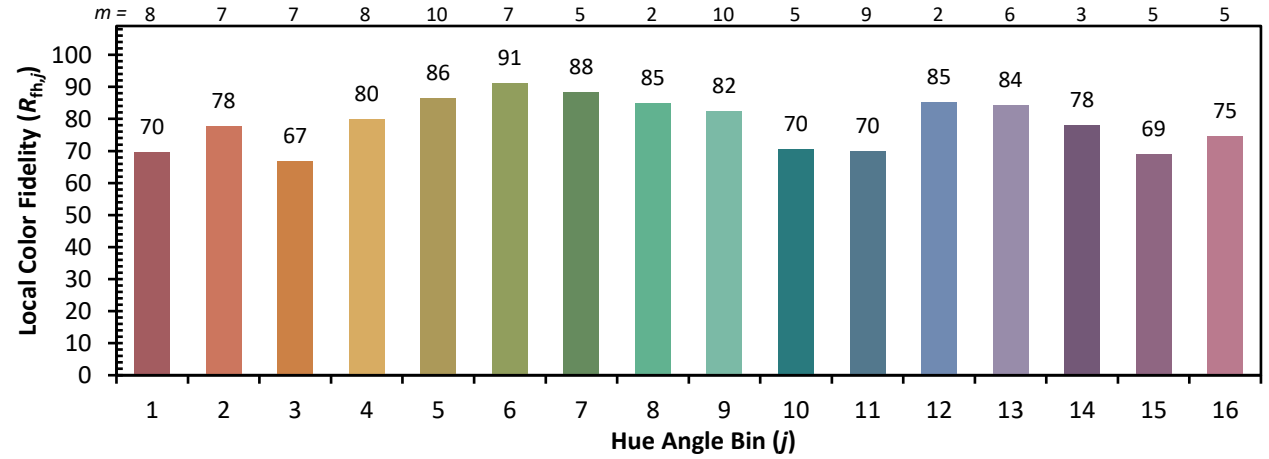
REPORT NUMBER: SP1-2501-332-5

TM-30-18

Color Rendition by Hue-Angle Bin



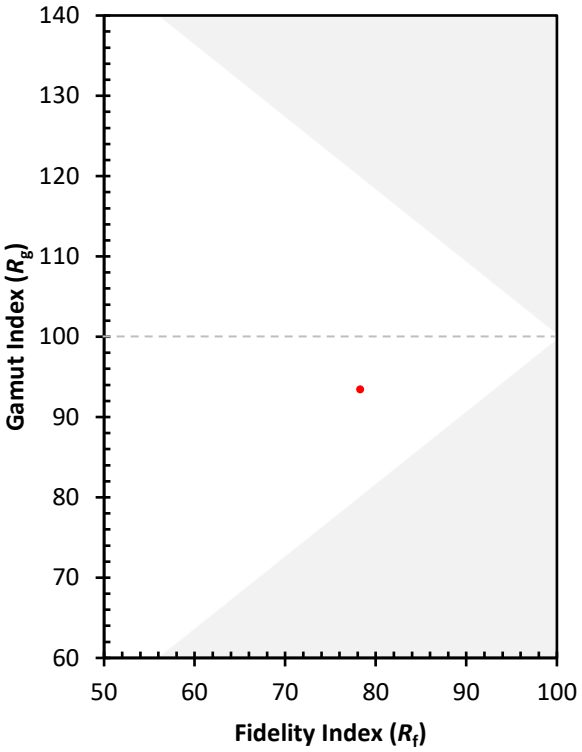


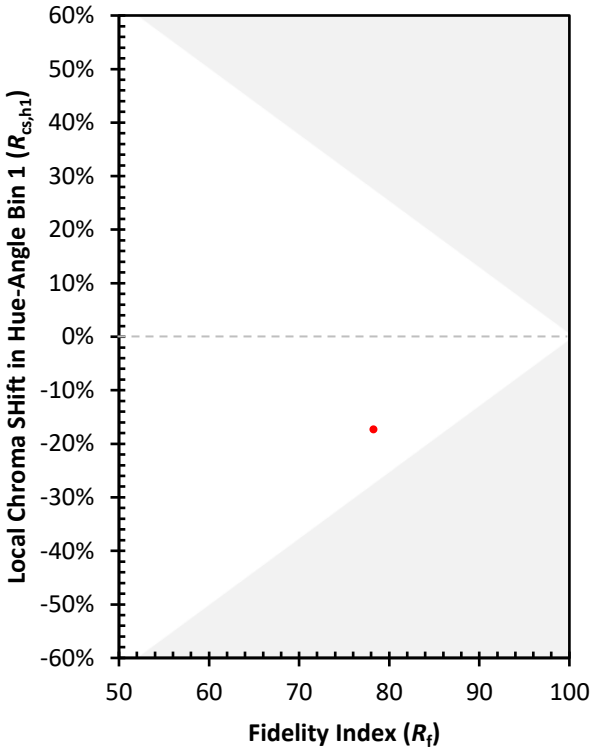


REPORT NUMBER: SP1-2501-332-5

TM-30-18

Measure Comparisons





(END OF REPORT)