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: P1046229

Luminaire Tested: **FFX-CLB-80-722-U-FR-T4-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:	P1046229
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-722-U-FR-T4-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9431.4 lumens
Efficiency:	N/A
Efficacy:	115.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U4 - G3

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

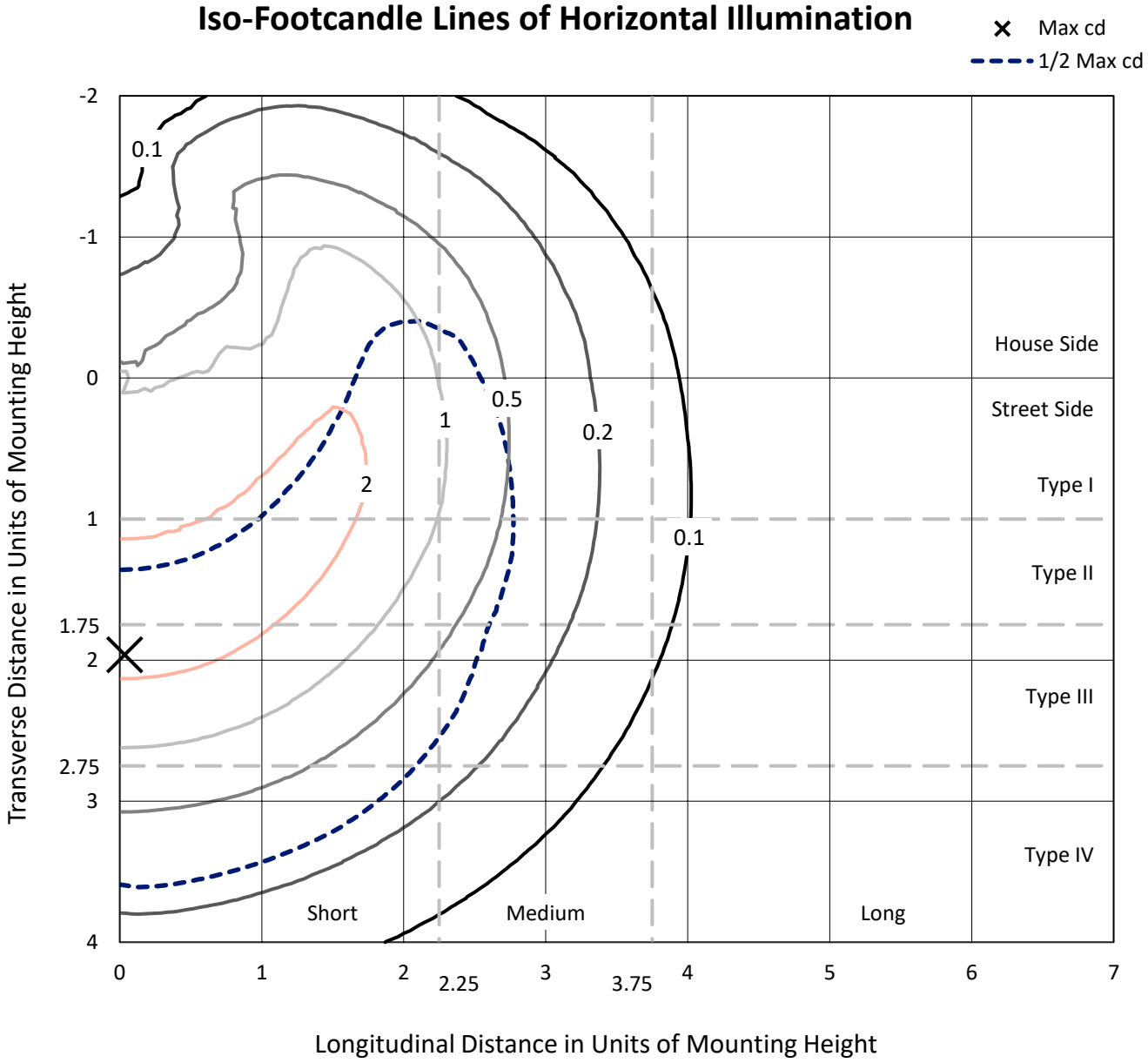


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Iso-Footcandle Lines of Horizontal Illumination



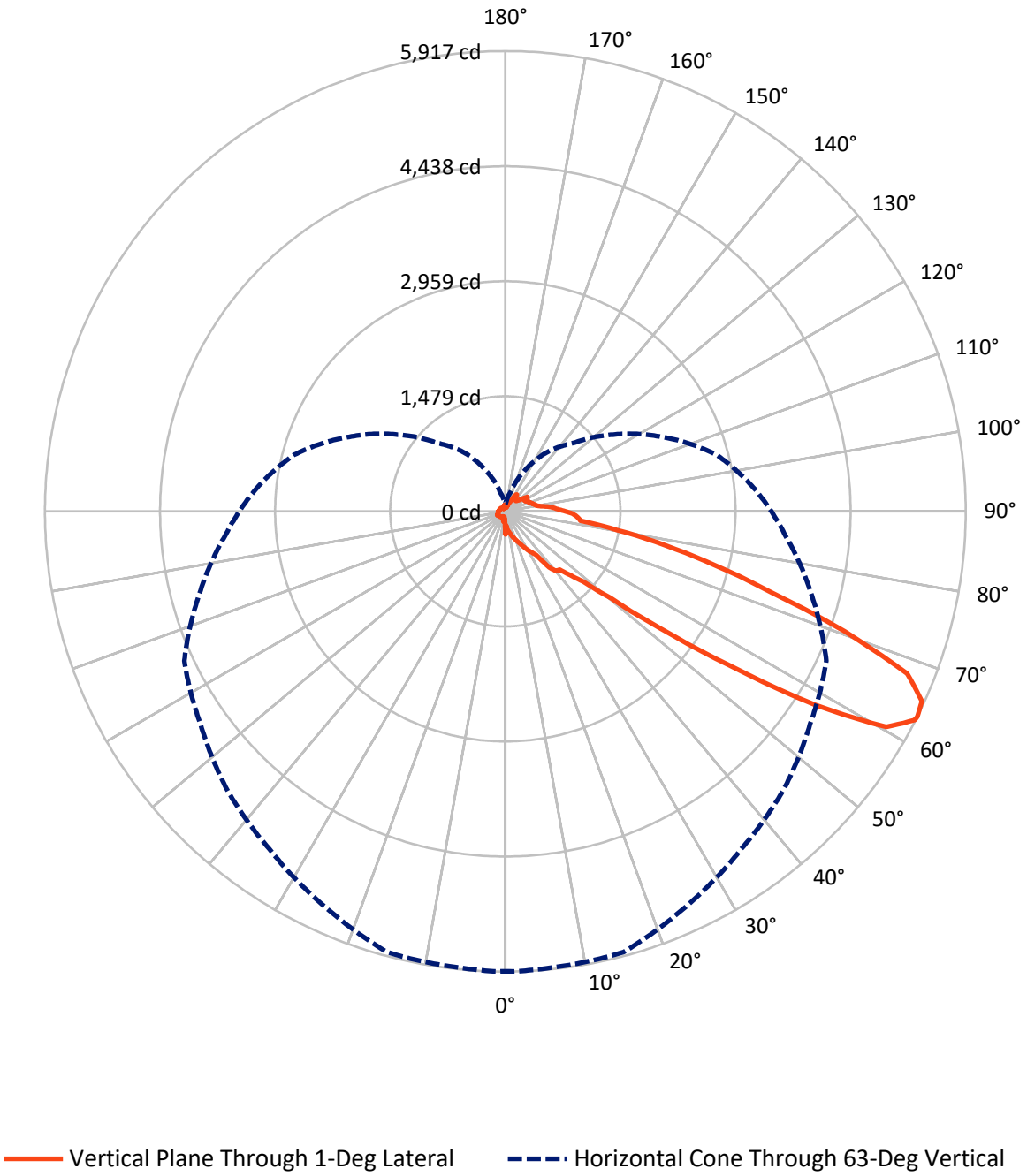
Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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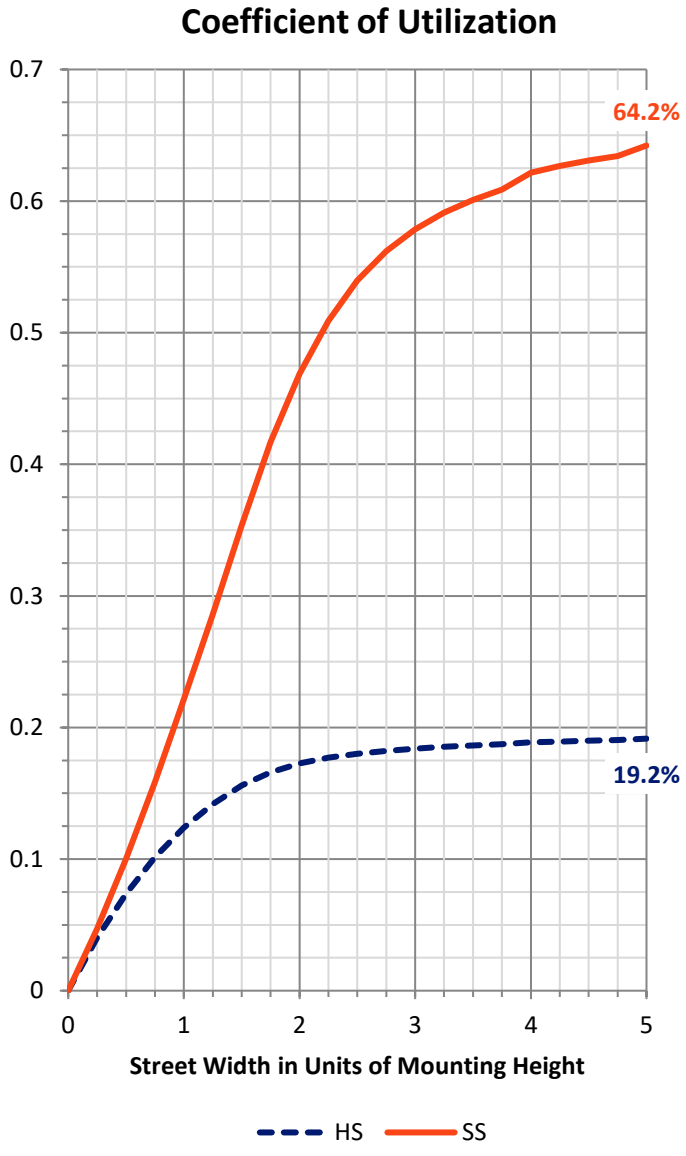
REPORT NUMBER: P1046229
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1867.4	374.1	2241.4
	% Fixture	19.8	4.0	23.8
Street Side	Lumens	6326.3	863.6	7190.0
	% Fixture	67.1	9.2	76.2
Total	Lumens	8193.7	1237.7	9431.4
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.2
10°-20°	62.0	0.7
20°-30°	136.8	1.5
30°-40°	280.1	3.0
40°-50°	565.5	6.0
50°-60°	1825.6	19.4
60°-70°	3007.6	31.9
70°-80°	1657.9	17.6
80°-90°	640.5	6.8
90°-100°	384.0	4.1
100°-110°	244.7	2.6
110°-120°	187.1	2.0
120°-130°	159.6	1.7
130°-140°	107.0	1.1
140°-150°	91.2	1.0
150°-160°	41.5	0.4
160°-170°	16.8	0.2
170°-180°	5.7	0.1
0°-90°	8193.7	86.9
0°-180°	9431.4	100.0



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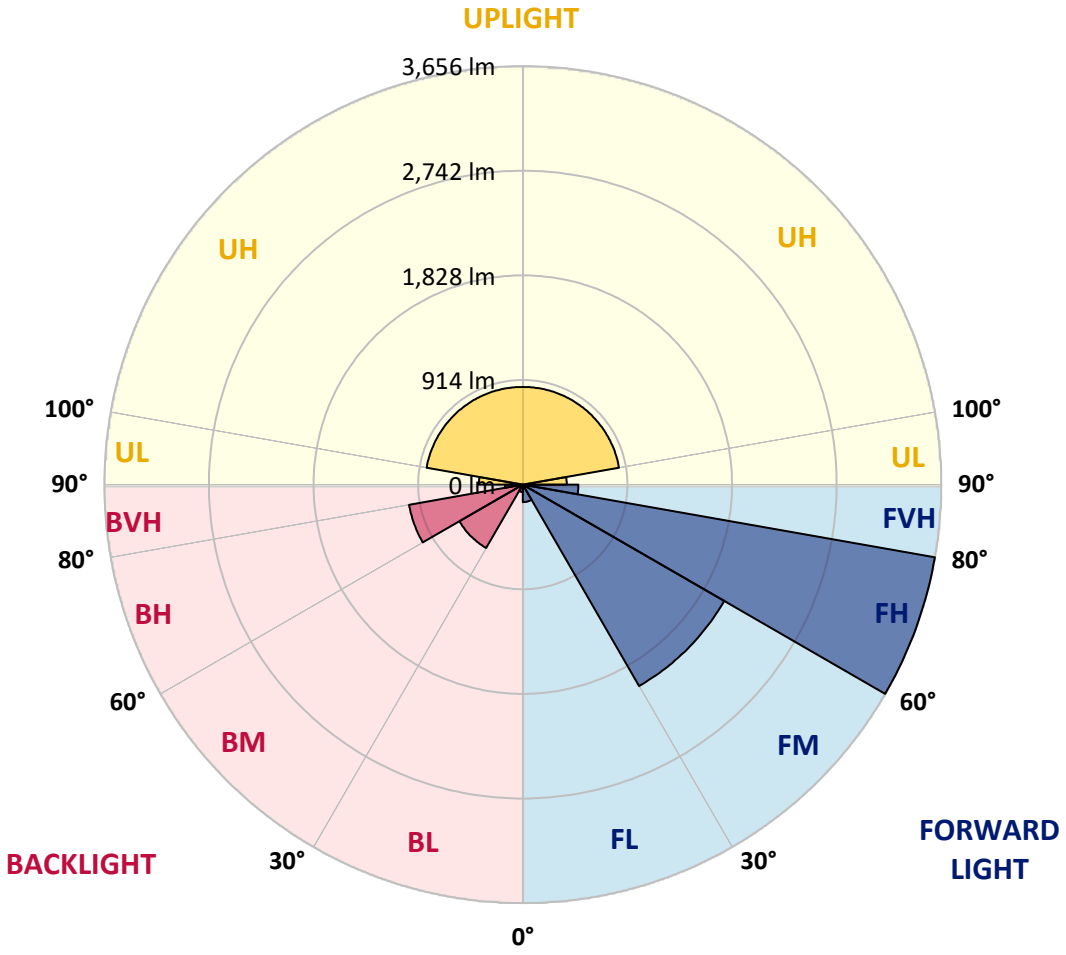
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	152.8	1.6			
FM	(30°-60°)	2031.9	21.5			
FH	(60°-80°)	3656.3	38.8			G2/5000
FVH	(80°-90°)	485.3	5.1			G3/500
BL	(0°-30°)	63.7	0.7	B0/110		
BM	(30°-60°)	639.3	6.8	B1/1000		
BH	(60°-80°)	1009.2	10.7	B3/2500		G3/2500
BVH	(80°-90°)	155.2	1.6			G2/225
UL	(90°-100°)	384.0	4.1		U3/500	
UH	(100°-180°)	853.6	9.1		U4/1000	

BUG Rating: B3-U4-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6
2.5°	184.5	182.5	191.2	218.0	247.6	257.0	237.5	230.1	251.6	301.2	306.6
5°	212.7	216.0	214.0	217.4	220.1	240.9	259.6	240.2	194.6	159.0	161.7
7.5°	250.9	250.2	250.2	247.6	234.1	212.7	206.6	222.1	222.7	186.5	158.3
10°	267.7	267.0	267.0	264.3	261.7	263.7	257.0	228.8	206.0	191.2	181.8
12.5°	303.2	301.9	301.2	299.9	295.2	289.8	285.1	286.5	267.0	230.1	206.0
15°	332.8	331.4	332.8	334.1	330.8	321.4	307.9	289.2	271.7	256.3	234.8
17.5°	365.0	364.3	363.6	362.3	357.6	344.8	328.7	311.3	291.8	270.4	250.2
20°	395.8	394.5	395.2	395.8	393.8	378.4	362.3	340.8	320.0	299.2	275.7
22.5°	432.7	432.7	430.7	430.7	428.7	419.3	399.2	374.4	352.9	326.7	300.6
25°	480.4	478.4	478.4	476.3	468.3	458.2	444.1	416.0	390.5	365.6	330.8
27.5°	527.3	525.3	525.3	524.6	514.6	501.2	477.7	450.8	426.7	395.2	352.9
30°	581.0	579.7	580.3	573.0	564.9	546.1	516.6	485.7	454.2	417.3	376.4
32.5°	635.3	631.3	630.6	622.6	611.9	589.1	556.2	526.7	493.8	450.8	416.6
35°	699.1	690.4	699.8	697.7	696.4	672.2	634.7	600.5	561.5	522.6	485.7
37.5°	909.7	913.8	911.8	884.9	863.5	830.6	813.8	773.6	719.9	672.2	602.5
40°	1009.0	1007.7	1004.3	974.8	955.4	921.1	894.3	864.1	832.6	758.1	671.6
42.5°	1030.5	1023.1	1028.5	1056.0	1081.5	1058.7	973.5	876.2	831.9	779.6	734.6
45°	1187.5	1168.7	1176.8	1184.1	1159.3	1126.4	1089.5	1026.5	952.0	876.9	794.3
47.5°	1355.2	1345.2	1344.5	1341.8	1344.5	1313.0	1264.0	1205.6	1100.3	1019.1	927.2
50°	1763.8	1750.4	1754.4	1757.8	1743.7	1711.5	1658.5	1620.2	1494.1	1338.5	1219.0
52.5°	2513.2	2505.2	2486.4	2487.7	2360.9	2354.2	2282.4	2248.2	2062.4	1884.6	1643.7
55°	3438.4	3490.7	3433.0	3421.6	3369.3	3322.3	3142.5	2993.6	2727.2	2471.6	2189.2
57.5°	4691.6	4700.3	4627.2	4629.2	4443.4	4325.3	4159.6	3931.5	3535.0	3166.0	2849.3
60°	5604.7	5626.9	5592.6	5521.5	5161.9	4950.6	4768.1	4588.3	4285.7	3737.6	3296.8
62.5°	5901.9	5908.6	5887.2	5849.6	5532.3	5262.6	5027.7	4766.8	4534.6	4040.8	3598.1
63°	5912.7	5917.4	5900.6	5868.4	5573.9	5294.1	5059.3	4780.2	4552.7	4067.7	3616.2
65°	5883.8	5885.8	5878.4	5835.5	5600.0	5304.2	5045.9	4770.8	4562.1	4078.4	3616.2
67.5°	5624.2	5573.2	5594.7	5522.2	5326.3	5031.8	4784.9	4504.4	4316.6	3849.0	3406.2
70°	4627.2	4630.6	4627.2	4587.6	4531.9	4299.1	4010.7	3758.4	3520.9	3153.9	2806.4
72.5°	3579.9	3594.0	3563.2	3586.0	3541.0	3348.5	3162.0	2906.3	2739.3	2428.0	2121.4
75°	2772.8	2801.7	2811.1	2746.0	2707.1	2666.2	2564.2	2380.4	2213.3	1972.5	1704.8
77.5°	2095.2	2100.6	2108.6	2064.4	2013.4	2029.5	2014.7	1927.5	1787.3	1610.2	1397.5
80°	1447.8	1463.2	1489.4	1463.9	1469.9	1460.6	1458.5	1388.8	1287.5	1176.1	1062.0
82.5°	972.8	972.1	978.8	1019.8	1057.3	1056.0	996.3	898.3	846.7	814.5	750.1
85°	931.2	931.2	940.6	911.1	892.3	873.5	869.5	835.9	796.4	723.9	634.7
87.5°	868.1	866.1	868.8	843.3	818.5	812.5	806.4	777.6	760.1	697.1	615.2
90°	742.7	748.1	748.1	746.0	730.6	724.6	700.4	676.3	665.5	608.5	544.1
92.5°	655.5	655.5	662.9	650.1	633.3	642.7	601.1	569.6	554.8	516.6	465.6
95°	592.4	590.4	599.8	581.7	569.6	552.2	534.7	501.8	491.1	458.2	406.6
97.5°	473.0	471.0	476.3	467.6	448.8	440.8	422.0	395.8	385.8	354.9	323.4
100°	407.2	406.6	408.6	403.9	393.1	383.1	367.0	346.2	336.8	311.3	283.1
102.5°	386.4	384.4	385.1	385.8	370.3	360.9	345.5	329.4	320.0	299.2	268.4
105°	367.7	366.3	365.0	365.0	347.5	338.1	328.1	317.3	309.3	286.5	257.0
107.5°	350.2	348.2	343.5	342.8	331.4	321.4	309.3	299.9	291.8	271.0	242.9

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	330.8	*330.1*	327.4	328.1	320.7	305.3	295.2	283.8	273.7	255.6	230.8
112.5°	320.7	*320.7*	318.7	322.0	293.9	278.4	267.7	257.6	250.9	233.5	214.7
115°	310.0	*304.6*	302.6	309.3	277.1	255.6	244.9	234.1	227.4	210.0	194.6
117.5°	287.1	*285.8*	286.5	291.8	282.4	259.0	241.5	228.1	221.4	208.7	194.6
120°	327.4	*326.1*	318.0	316.7	300.6	281.8	270.4	263.0	252.9	232.1	205.3
122.5°	342.2	*339.5*	326.7	330.8	309.3	299.9	295.2	292.5	283.1	255.6	214.7
125°	297.9	*293.9*	290.5	291.8	279.8	267.7	263.0	259.0	249.6	234.1	204.6
127.5°	238.8	*240.9*	238.2	230.8	228.8	210.7	204.6	199.9	191.2	178.5	173.8
130°	224.1	*222.7*	222.1	220.7	219.4	206.0	196.6	185.2	177.8	167.1	154.3
132.5°	199.3	*200.6*	202.6	214.0	224.8	213.3	189.2	171.8	167.1	169.1	163.7
135°	189.2	*189.9*	189.9	198.6	208.0	196.6	178.5	161.7	159.7	167.1	160.3
137.5°	193.9	*197.2*	196.6	194.6	189.2	181.1	177.1	167.7	162.4	157.7	146.3
140°	204.6	*208.7*	206.6	195.2	191.2	187.2	189.9	186.5	173.1	157.0	140.2
142.5°	203.3	*206.6*	205.3	204.0	211.3	201.9	189.2	176.4	165.7	157.0	146.3
145°	263.7	*262.3*	257.0	257.0	248.2	234.1	225.4	212.0	199.3	187.9	170.4
147.5°	243.5	*246.9*	248.2	242.2	238.2	228.8	227.4	220.1	216.0	206.0	187.9
150°	193.2	*195.9*	191.9	187.2	185.2	185.8	182.5	177.1	173.1	165.7	157.7
152.5°	133.5	*134.9*	133.5	129.5	128.1	126.1	126.8	122.8	120.1	115.4	108.0
155°	121.4	*122.1*	122.8	116.1	114.7	115.4	116.1	113.4	108.0	104.0	95.3
157.5°	95.3	*93.9*	93.9	92.6	93.3	91.2	91.2	90.6	88.6	85.9	83.2
160°	75.8	*76.5*	76.5	76.5	77.8	76.5	76.5	74.5	74.5	73.1	71.8
162.5°	64.4	*64.4*	64.4	64.4	63.7	63.7	65.1	64.4	64.4	65.1	66.4
165°	54.3	*55.0*	55.0	55.0	55.0	55.0	56.4	56.4	57.7	60.4	63.7
167.5°	51.0	*50.3*	50.3	51.0	51.0	52.3	52.3	55.0	59.7	64.4	64.4
170°	48.3	*48.3*	48.3	49.0	49.0	49.6	51.7	56.4	61.7	63.7	61.1
172.5°	50.3	*49.6*	49.6	50.3	50.3	52.3	55.0	59.0	61.1	61.1	58.4
175°	51.7	*51.0*	51.0	51.7	51.7	53.0	55.7	58.4	59.7	60.4	60.4
177.5°	50.3	*50.3*	50.3	50.3	50.3	51.0	51.0	53.0	54.3	55.7	57.0
180°	48.3	*48.3*	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6
2.5°	306.6	279.8	240.2	191.9	223.4	262.3	257.0	226.8	181.1	136.2	136.2
5°	169.7	179.8	189.9	166.4	148.9	147.6	143.6	128.8	126.8	104.7	98.6
7.5°	148.3	138.9	136.9	161.7	159.7	105.3	83.2	73.8	77.8	105.3	108.7
10°	177.8	173.8	161.0	134.2	112.0	102.0	101.3	102.6	93.9	75.8	71.1
12.5°	200.6	193.9	182.5	174.4	148.9	118.7	102.0	94.6	100.0	126.8	132.8
15°	222.7	213.3	193.9	171.8	146.3	124.1	106.7	91.2	91.2	87.2	85.2
17.5°	240.2	228.1	204.6	180.5	151.6	124.1	101.3	85.9	78.5	77.2	77.2
20°	262.3	250.9	225.4	195.9	159.7	125.5	100.6	85.9	77.2	73.8	73.1
22.5°	289.8	275.1	242.2	207.3	164.4	126.8	102.0	86.5	77.8	73.1	71.8
25°	315.3	298.6	259.6	223.4	175.1	130.2	103.3	88.6	79.2	73.8	73.1
27.5°	336.1	318.0	281.8	240.2	186.5	138.2	110.0	92.6	81.2	75.8	74.5
30°	359.6	342.8	304.6	257.6	197.2	148.3	119.4	100.0	87.2	79.8	79.2
32.5°	394.5	373.7	329.4	275.7	210.0	159.0	128.8	106.7	91.2	87.2	87.2
35°	457.6	436.1	377.7	305.3	222.1	169.7	138.2	114.1	97.3	87.9	87.2
37.5°	575.6	546.1	473.0	372.4	242.9	178.5	146.3	120.1	100.6	87.2	85.2
40°	630.0	579.7	501.8	407.9	273.1	188.5	153.0	124.8	101.3	89.2	87.9
42.5°	694.4	652.1	542.1	416.6	295.2	213.3	164.4	130.2	105.3	91.9	90.6
45°	756.1	715.2	622.6	492.4	344.8	250.2	184.5	140.9	112.0	95.9	93.3
47.5°	868.1	825.2	696.4	570.3	413.3	307.9	224.8	157.7	121.4	100.0	96.6
50°	1159.3	1098.3	946.6	755.4	528.7	391.1	287.8	192.5	134.2	102.0	98.0
52.5°	1535.0	1441.8	1277.4	1033.2	756.1	553.5	403.2	279.8	156.3	102.6	96.6
55°	2144.2	2029.5	1765.1	1408.2	1058.7	825.9	610.5	430.0	230.1	107.3	95.9
57.5°	2721.9	2636.6	2405.9	1926.8	1404.2	1049.3	803.1	605.2	313.3	118.1	100.6
60°	3146.5	2984.2	2714.5	2223.4	1696.0	1217.7	893.6	629.3	322.0	120.1	104.0
62.5°	3400.1	3199.5	2799.7	2266.3	1737.6	1252.6	929.9	579.0	260.3	117.4	108.7
63°	*3418.9*	*3224.4*	*2810.4*	*2251.5*	*1724.2*	*1243.2*	*924.5*	*566.9*	*252.9*	*116.7*	*110.0*
65°	3395.4	3226.4	2772.8	2174.4	1610.2	1160.0	860.8	509.2	205.3	114.7	111.4
67.5°	3162.0	3024.4	2576.3	1965.7	1433.7	1001.7	712.5	388.5	160.3	109.4	108.0
70°	2646.7	2489.0	2082.5	1624.9	1136.5	809.1	568.3	301.2	132.2	104.0	102.6
72.5°	1969.8	1904.0	1582.0	1236.5	874.2	623.9	426.7	228.8	117.4	100.0	98.6
75°	1592.7	1494.1	1254.6	976.8	664.9	463.6	316.7	171.8	107.3	96.6	95.3
77.5°	1317.0	1251.2	1043.9	737.3	474.3	334.1	232.8	136.2	102.6	94.6	93.9
80°	1019.8	978.8	814.5	545.4	339.5	248.9	184.5	124.8	100.6	93.9	93.3
82.5°	719.2	706.5	593.1	407.9	288.5	222.7	171.8	122.8	101.3	95.3	93.9
85°	595.8	568.3	499.2	387.8	273.7	213.3	165.7	120.8	101.3	94.6	93.9
87.5°	580.3	557.5	483.0	363.0	250.9	197.2	155.6	116.1	98.0	91.9	91.2
90°	524.6	501.8	432.7	324.0	236.2	185.2	145.6	110.0	93.9	89.2	87.9
92.5°	447.5	426.7	375.7	294.5	226.1	177.8	141.6	108.0	93.3	87.9	87.2
95°	388.5	371.0	329.4	271.0	208.7	165.7	134.2	104.0	90.6	85.9	85.2
97.5°	309.3	298.6	266.3	220.7	176.4	144.9	120.1	98.0	87.2	83.2	82.5
100°	272.4	263.0	237.5	199.9	163.7	136.9	116.1	95.9	84.5	81.2	80.5
102.5°	255.6	248.2	225.4	187.9	153.6	130.2	110.7	92.6	82.5	79.2	78.5
105°	242.9	236.2	215.4	179.1	144.9	121.4	104.0	88.6	79.2	76.5	75.8
107.5°	227.4	222.1	201.9	166.4	136.2	114.1	98.6	85.2	77.2	74.5	74.5

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

Scaled Data Report

REPORT NUMBER: P1046229
CATALOG NUMBER: FFX-CLB-80-722-U-FR-T4-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	214.7	210.7	189.9	159.0	130.2	109.4	95.3	83.9	76.5	73.8	73.8
112.5°	201.3	196.6	177.1	149.6	124.8	106.0	92.6	81.9	75.1	72.5	72.5
115°	186.5	181.8	163.0	138.9	118.1	100.6	88.6	78.5	72.5	70.4	70.4
117.5°	189.2	177.1	154.3	132.8	112.7	96.6	85.9	77.2	70.4	69.1	68.4
120°	191.9	176.4	159.7	139.5	116.1	94.6	83.9	75.1	69.8	67.8	67.8
122.5°	187.2	189.2	174.4	143.6	110.7	92.6	83.2	75.8	70.4	68.4	69.1
125°	183.2	187.9	170.4	135.5	106.7	91.9	83.2	77.8	73.1	71.1	71.1
127.5°	168.4	169.1	144.9	121.4	104.0	89.9	82.5	78.5	74.5	71.8	70.4
130°	148.3	146.9	135.5	118.1	98.0	86.5	79.8	77.8	73.8	69.1	68.4
132.5°	159.0	155.0	136.2	112.0	92.6	83.2	79.2	76.5	69.8	64.4	63.7
135°	151.0	146.9	127.5	104.7	89.9	84.5	82.5	75.8	65.7	61.7	61.1
137.5°	137.5	130.8	114.7	100.0	91.2	87.9	83.2	74.5	64.4	59.7	59.0
140°	132.2	125.5	112.7	102.6	92.6	81.9	73.8	65.7	59.0	55.0	54.3
142.5°	138.9	133.5	120.8	102.6	86.5	75.1	67.8	62.4	56.4	50.3	49.6
145°	161.7	151.6	134.2	115.4	98.6	85.2	73.8	62.4	51.7	45.0	44.3
147.5°	179.1	171.1	152.3	130.8	107.3	85.9	69.1	55.0	46.3	42.3	41.6
150°	148.9	144.2	130.2	112.7	95.3	75.8	59.7	49.0	43.6	42.3	42.3
152.5°	104.0	100.6	95.9	84.5	71.1	59.7	51.0	45.6	43.6	42.9	42.9
155°	91.9	89.9	83.9	73.8	64.4	55.7	49.0	45.0	44.3	43.6	43.6
157.5°	79.2	78.5	74.5	66.4	59.0	52.3	47.6	45.6	44.3	43.6	43.6
160°	71.1	69.1	65.1	59.7	55.0	51.0	48.3	47.0	45.6	45.0	45.0
162.5°	66.4	65.1	60.4	56.4	53.7	53.0	53.7	53.0	49.6	47.6	47.0
165°	63.1	62.4	57.7	55.0	53.7	57.0	61.1	59.7	53.7	50.3	50.3
167.5°	63.1	61.7	57.0	55.0	58.4	63.1	66.4	65.7	60.4	57.0	55.0
170°	59.7	58.4	57.0	57.7	62.4	64.4	65.1	66.4	67.1	70.4	71.8
172.5°	57.7	57.7	59.0	61.7	65.7	66.4	64.4	65.1	71.1	78.5	79.2
175°	60.4	60.4	63.1	67.8	69.8	71.1	68.4	69.1	75.8	83.2	83.9
177.5°	57.7	58.4	59.7	60.4	59.7	57.7	57.0	59.7	57.7	57.0	59.0
180°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3

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: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

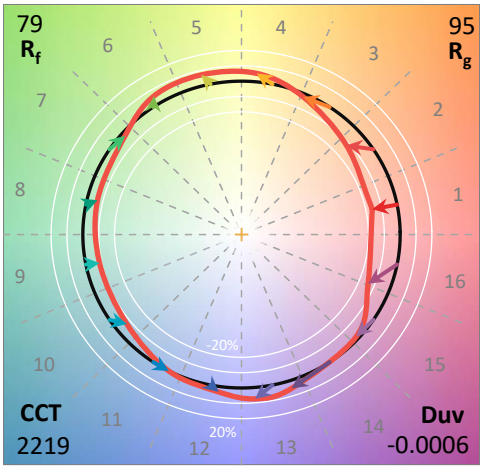
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

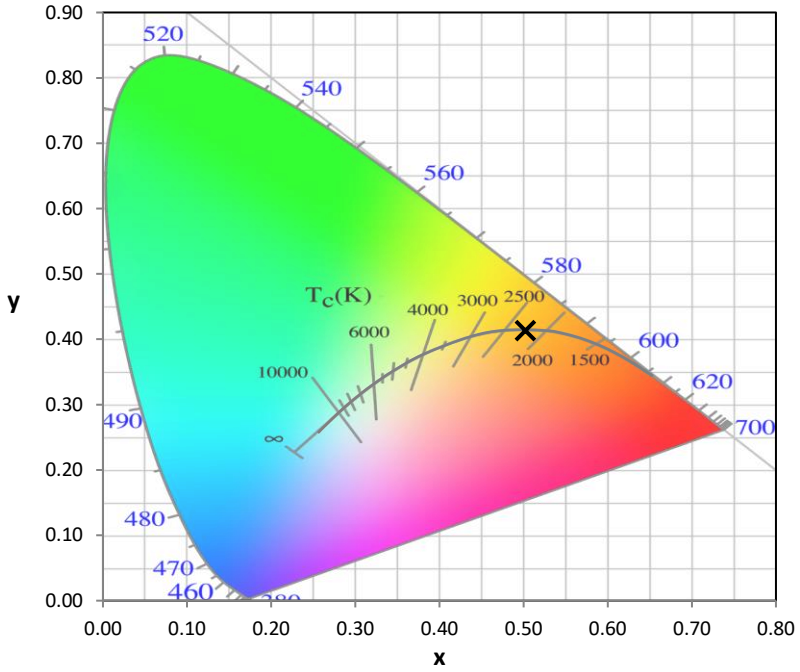
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

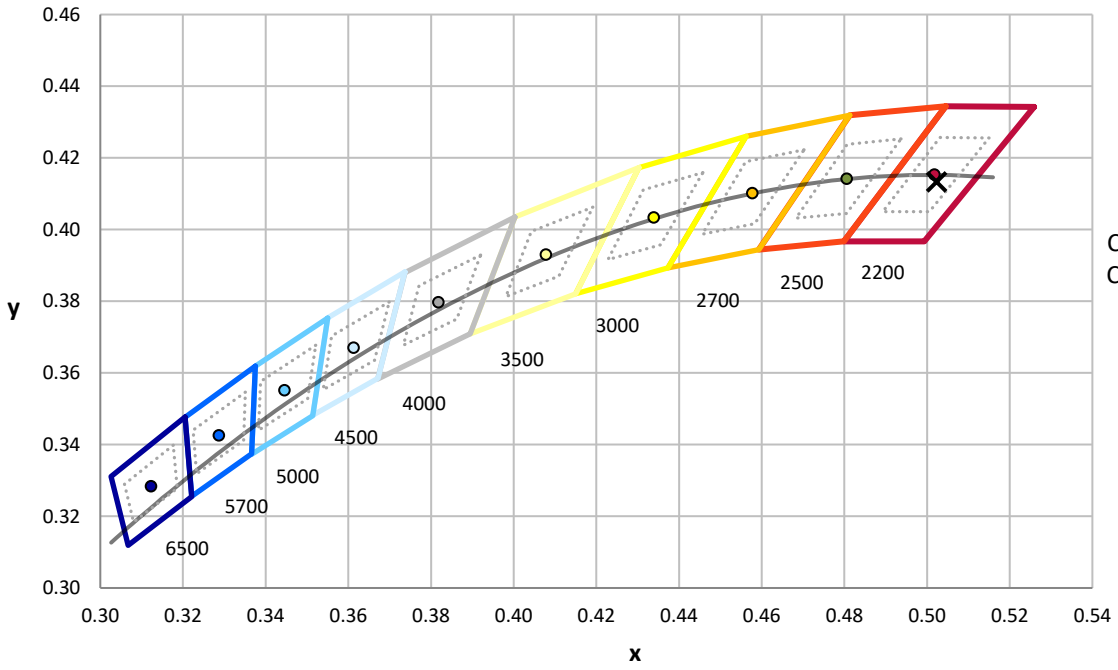
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

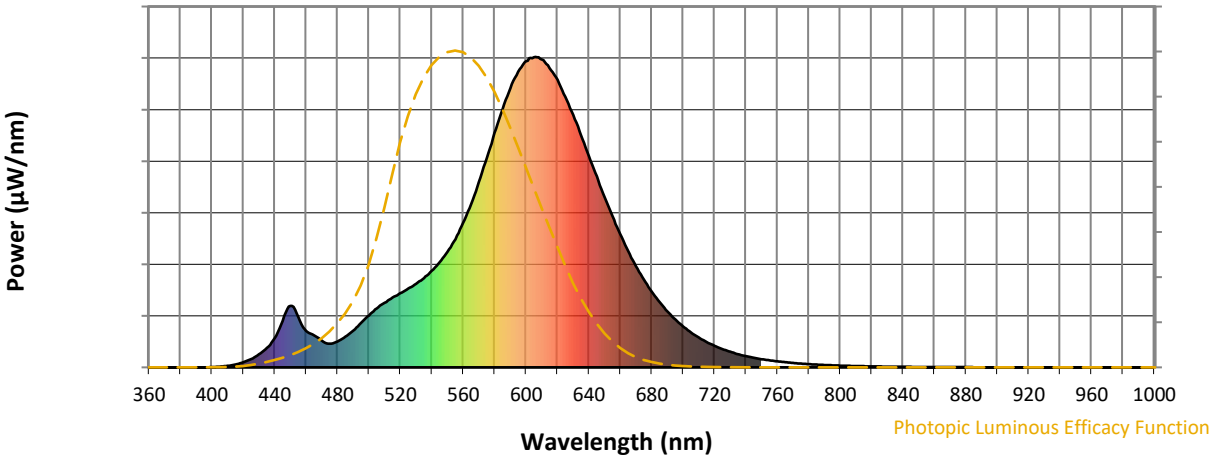


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

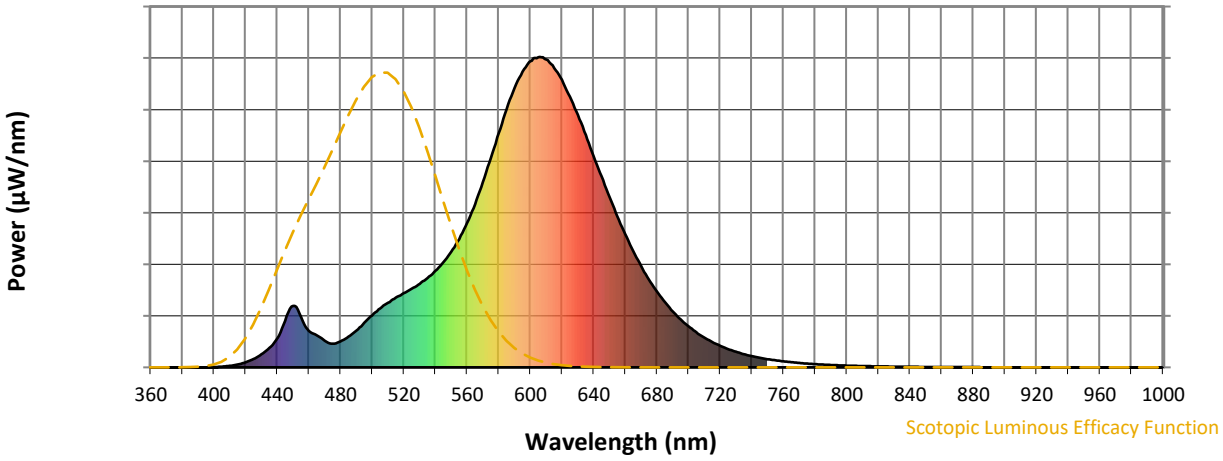


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

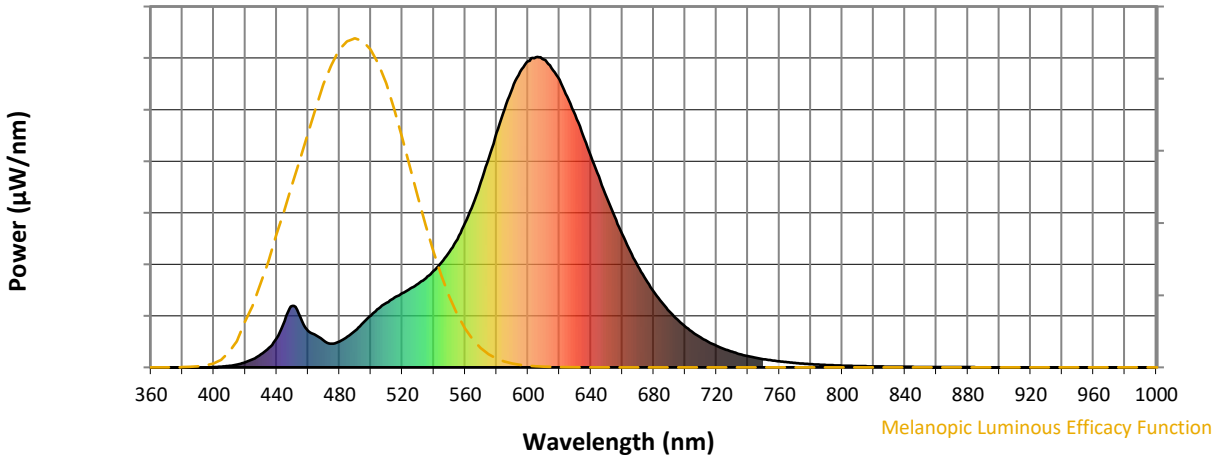


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

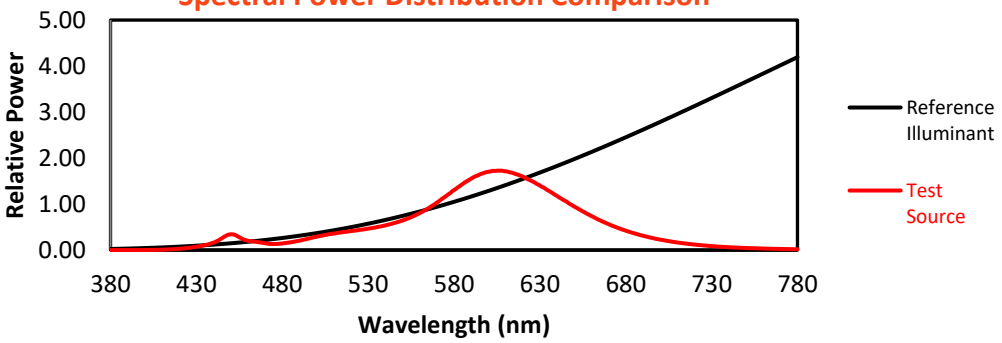
REPORT NUMBER: SP1-2501-332-2

TM-30-18

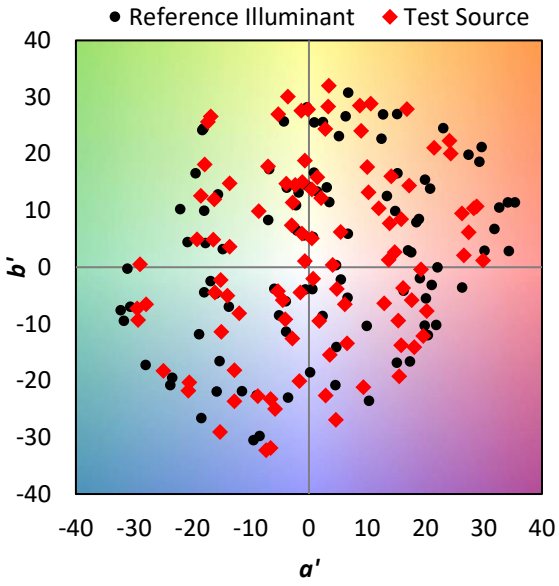
Summary

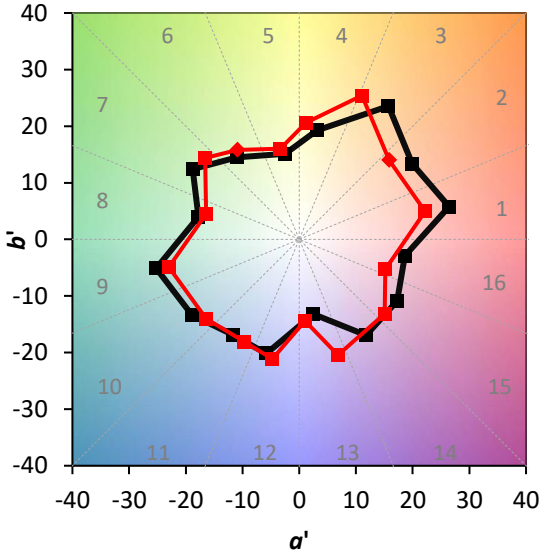
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

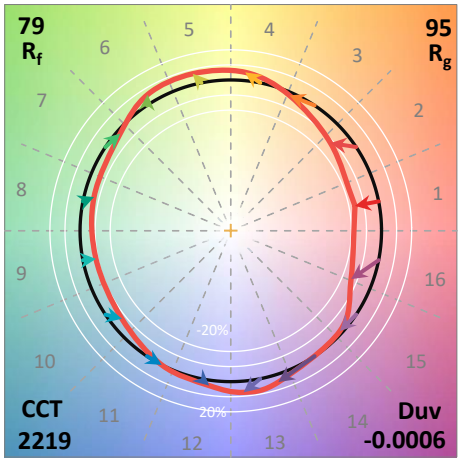
Spectral Power Distribution Comparison

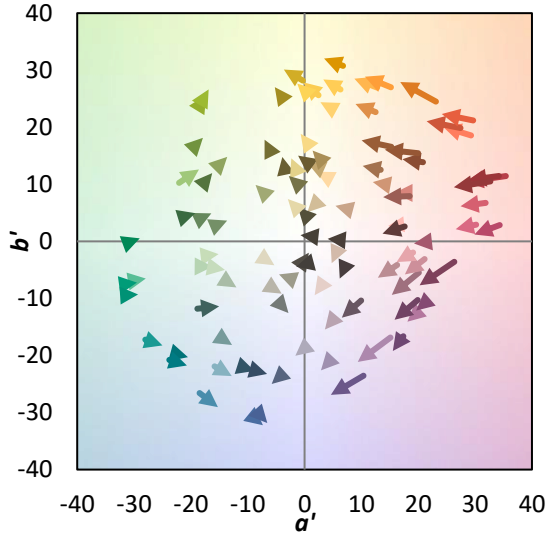


Color Vector Graphics







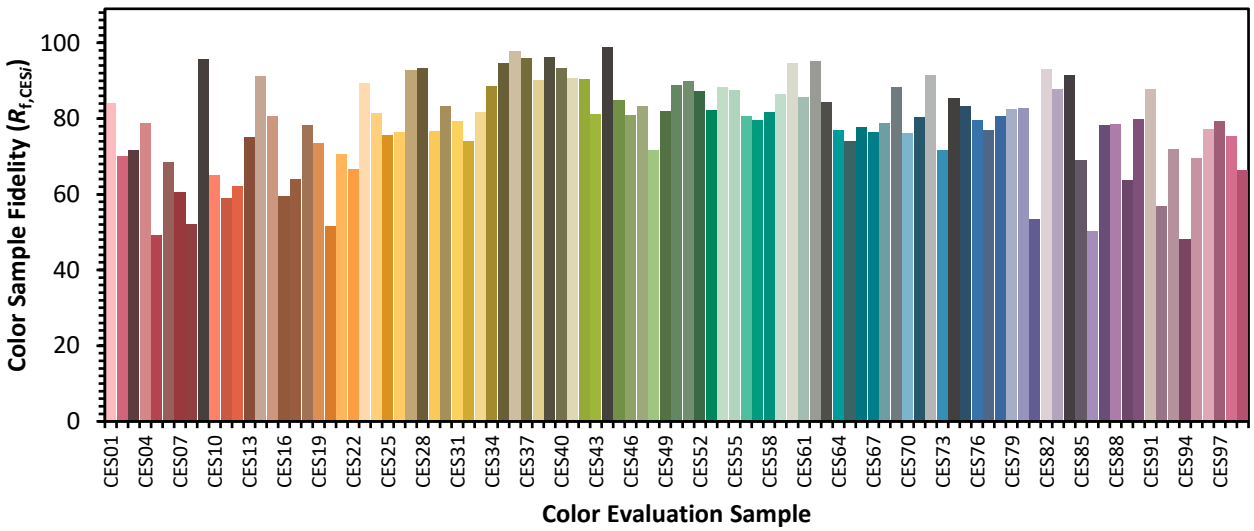


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

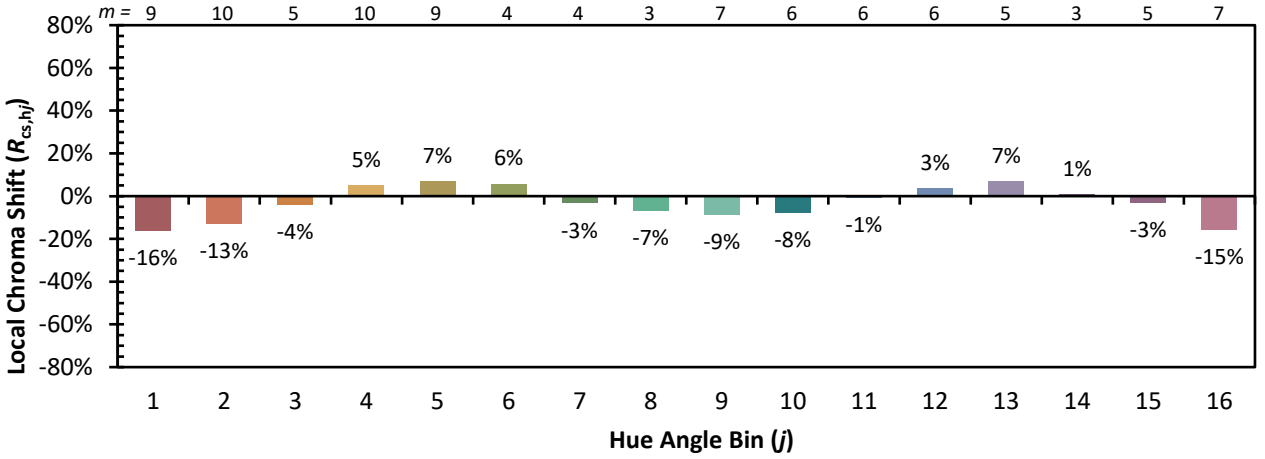
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

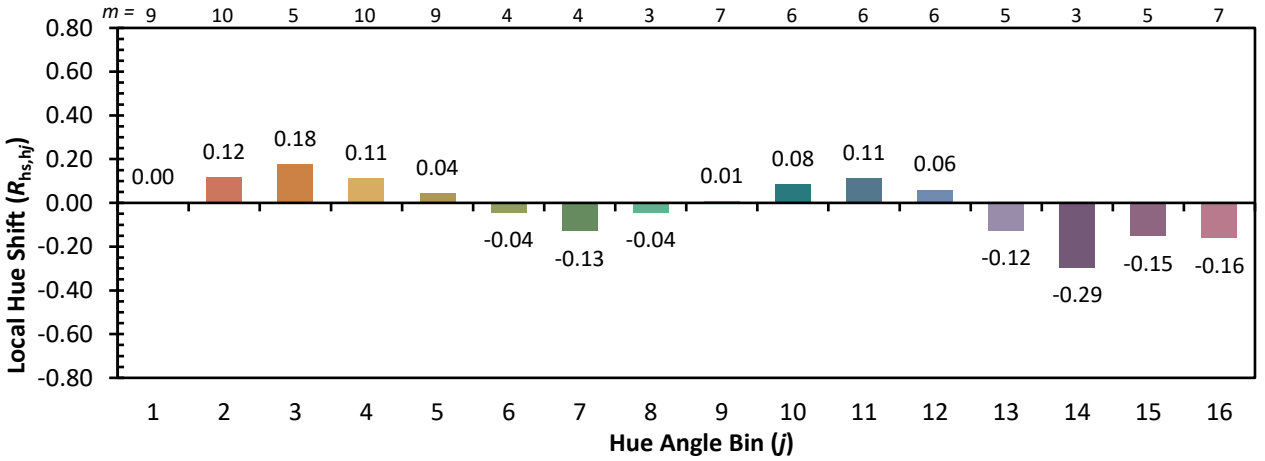


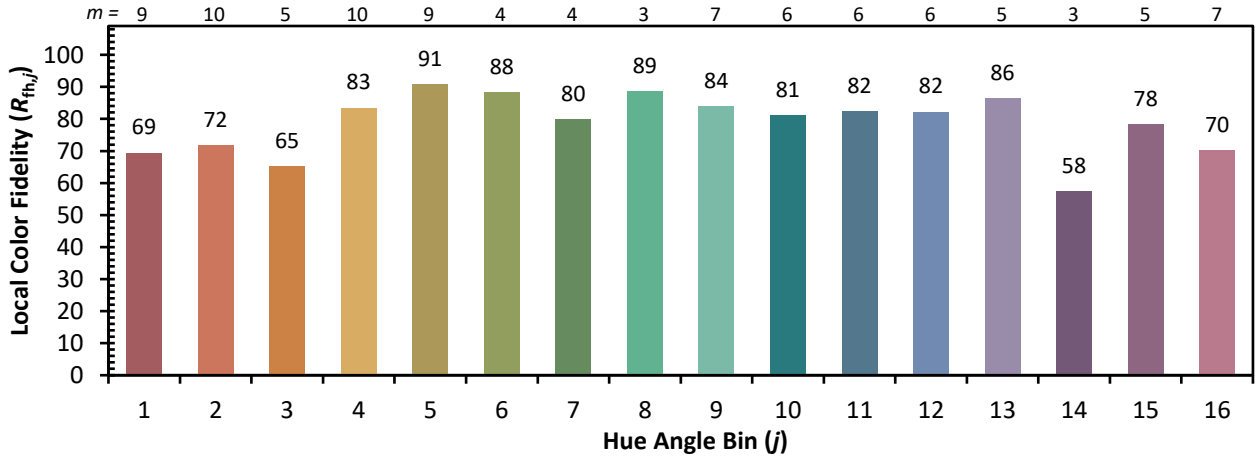
REPORT NUMBER: SP1-2501-332-2

TM-30-18

Color Rendition by Hue-Angle Bin



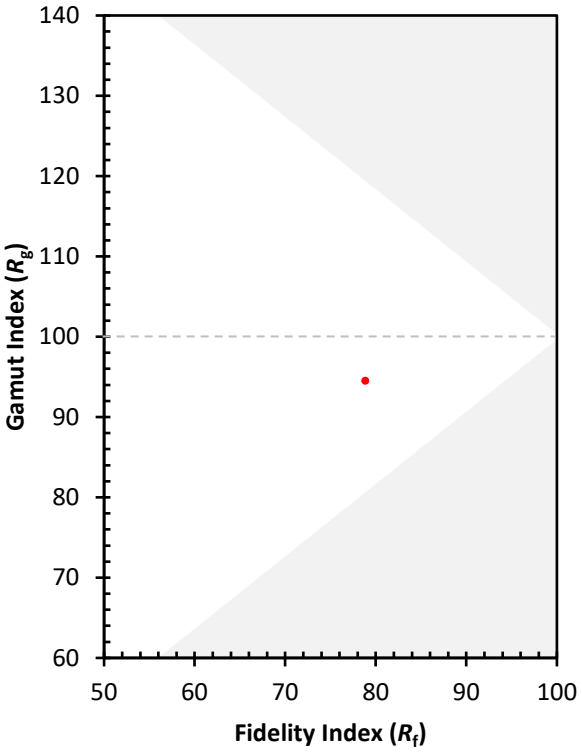


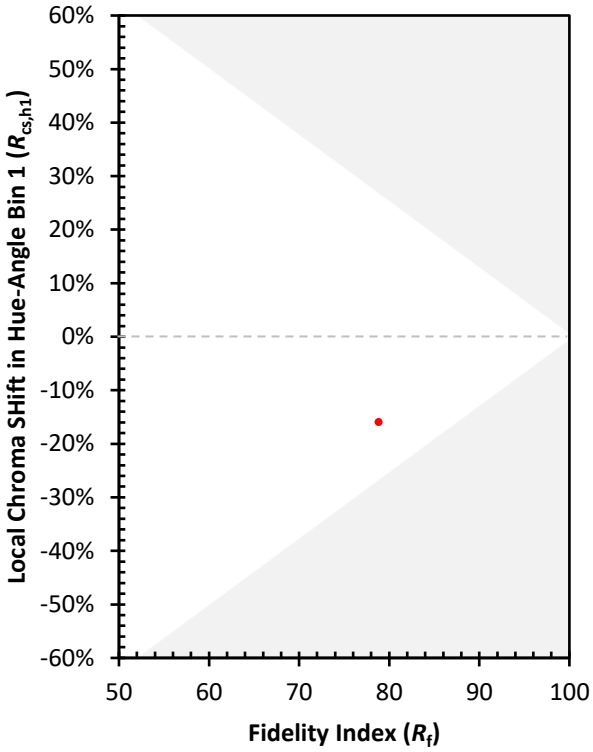


REPORT NUMBER: SP1-2501-332-2

TM-30-18

Measure Comparisons





(END OF REPORT)