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: P1046382

Luminaire Tested: **FFX-CLB-80-730-U-FR-T4**

Issue Date: 07/01/2025

Report Generated By 670347003

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:	P1046382
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-FR-T4
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12524 lumens
Efficiency:	N/A
Efficacy:	153.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U5 - G4

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

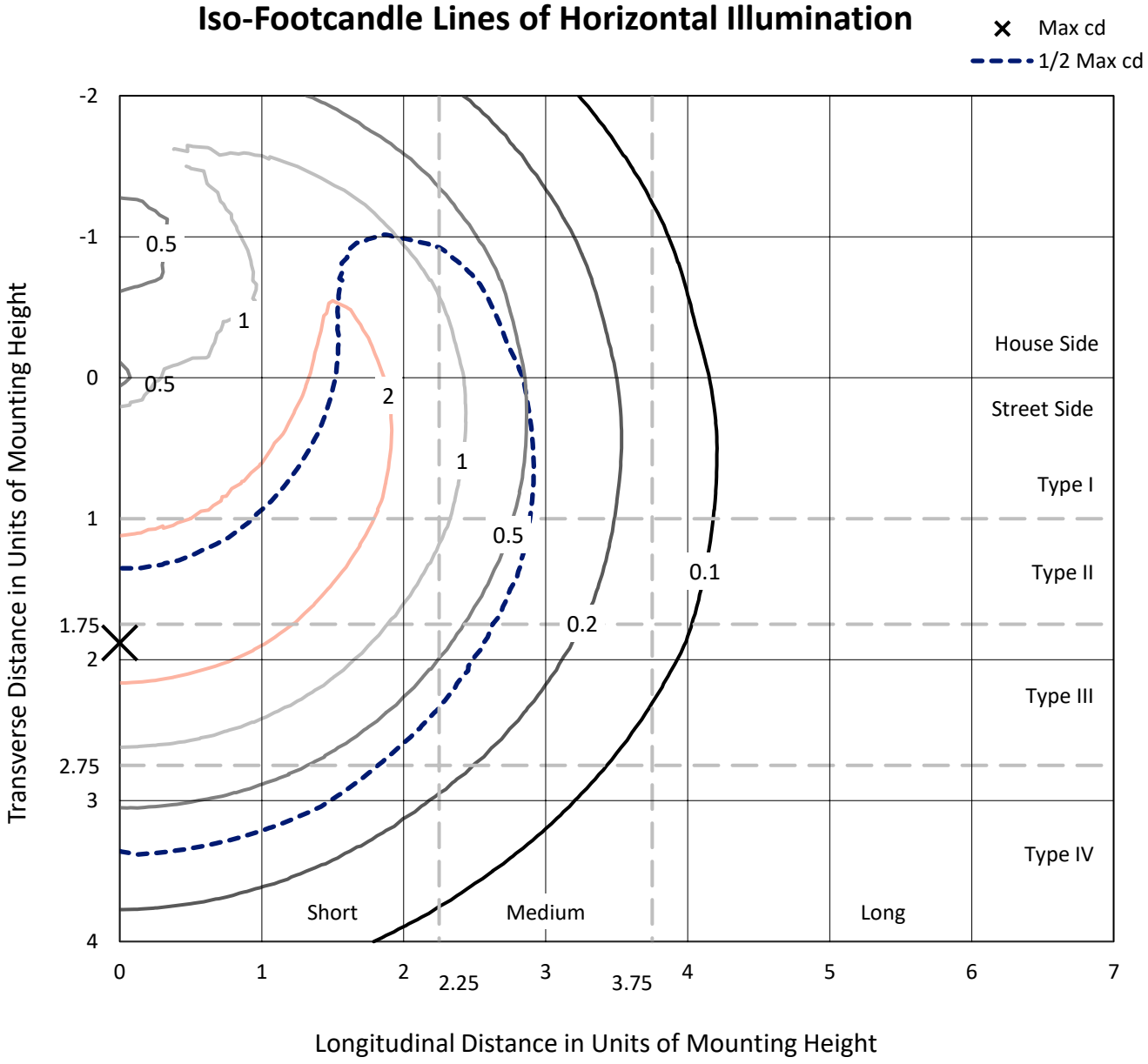


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Iso-Footcandle Lines of Horizontal Illumination



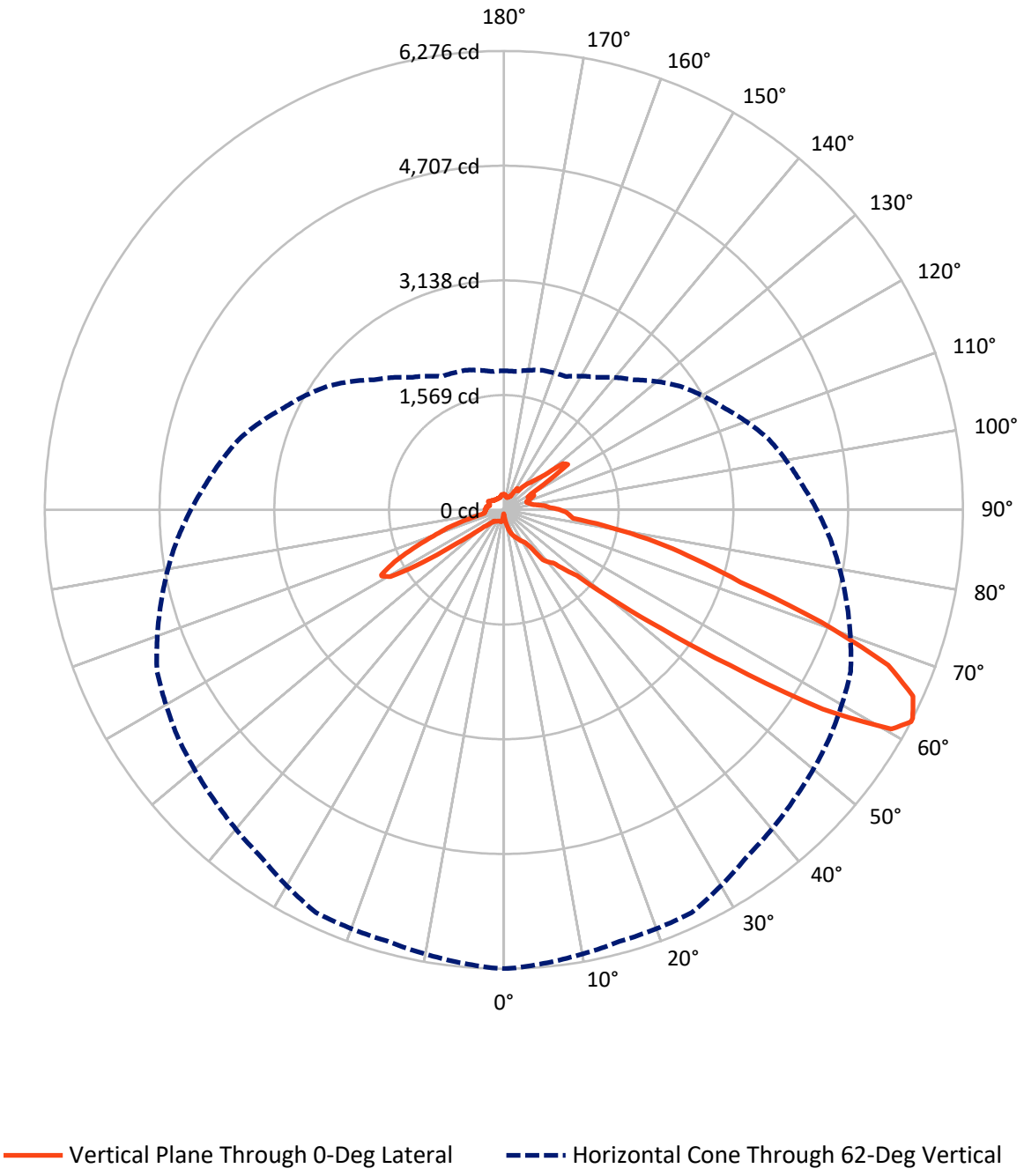
Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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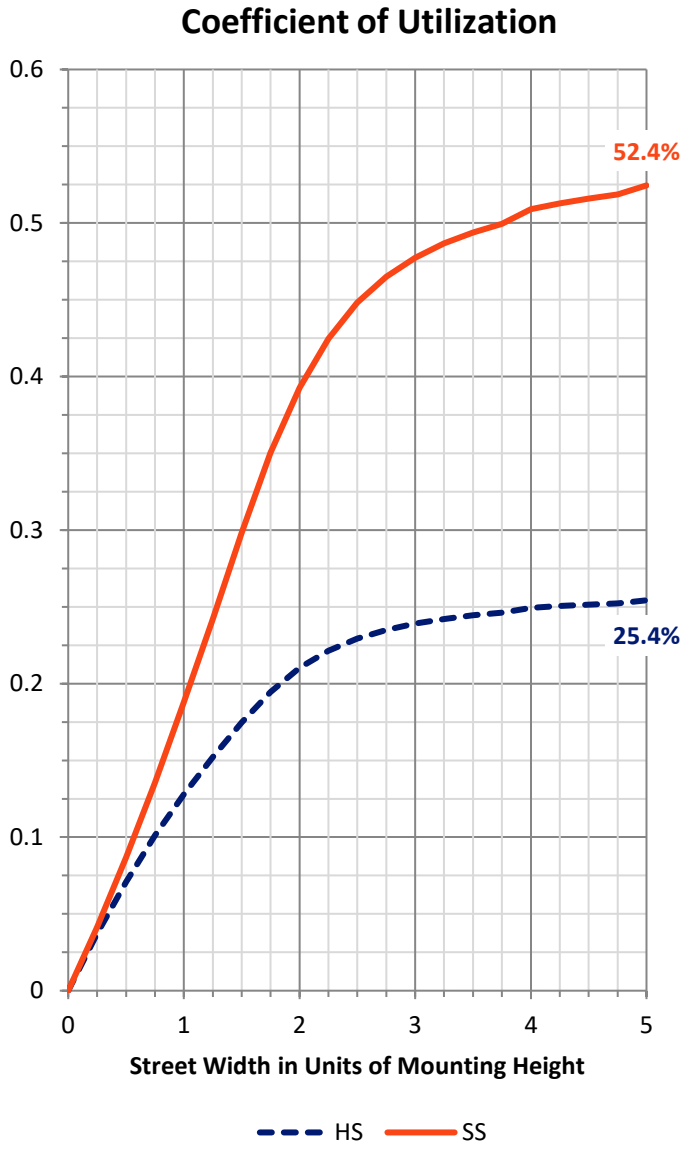
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3295.2	941.5	4236.8
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	6841.1	1446.2	8287.3
	% Fixture	54.6	11.5	66.2
Total	Lumens	10136.3	2387.7	12524.0
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	0.1
10°-20°	69.5	0.6
20°-30°	150.4	1.2
30°-40°	301.2	2.4
40°-50°	659.6	5.3
50°-60°	2309.6	18.4
60°-70°	3865.2	30.9
70°-80°	2006.2	16.0
80°-90°	761.9	6.1
90°-100°	485.9	3.9
100°-110°	322.0	2.6
110°-120°	336.4	2.7
120°-130°	562.1	4.5
130°-140°	338.3	2.7
140°-150°	178.9	1.4
150°-160°	94.1	0.8
160°-170°	51.0	0.4
170°-180°	19.1	0.2
0°-90°	10136.3	80.9
0°-180°	12524.0	100.0



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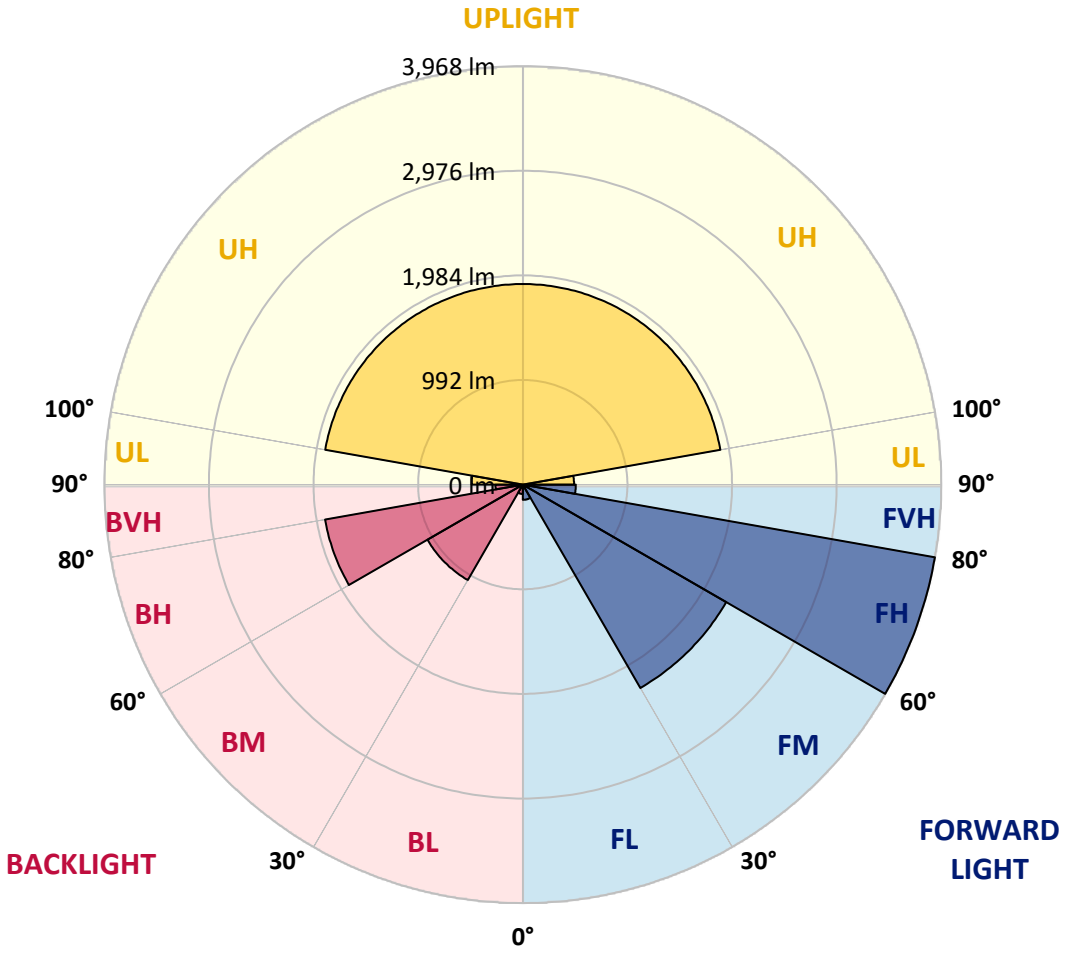
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	144.3	1.2			
FM	(30°-60°)	2226.6	17.8			
FH	(60°-80°)	3967.6	31.7			G2/5000
FVH	(80°-90°)	502.6	4.0			G4/750
BL	(0°-30°)	88.3	0.7	B0/110		
BM	(30°-60°)	1043.8	8.3	B2/2500		
BH	(60°-80°)	1903.8	15.2	B3/2500		G3/2500
BVH	(80°-90°)	259.4	2.1			G3/500
UL	(90°-100°)	485.9	3.9		U3/500	
UH	(100°-180°)	1901.8	15.2		U5	

BUG Rating: B3-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2.5°	78.9	77.3	77.3	80.5	84.5	84.5	85.2	82.9	82.9	82.1	82.9
5°	114.7	111.5	113.1	113.9	115.5	117.1	118.7	118.7	115.5	113.1	106.8
7.5°	160.1	159.3	160.9	160.1	158.5	162.5	164.9	170.5	172.1	161.7	149.0
10°	206.3	204.0	203.2	204.0	204.8	202.4	207.1	211.1	205.5	193.6	182.4
12.5°	256.5	256.5	256.5	255.7	255.7	254.9	253.4	252.6	247.0	233.4	215.9
15°	312.3	313.1	314.7	313.9	309.9	303.5	298.8	294.8	291.6	282.0	259.7
17.5°	346.6	345.0	346.6	345.8	344.2	340.2	331.4	323.5	313.1	299.6	282.8
20°	378.4	377.6	376.8	376.8	375.2	370.5	364.9	352.1	338.6	324.3	305.1
22.5°	403.1	401.5	403.1	402.3	401.5	399.9	390.4	379.2	364.1	348.2	328.2
25°	435.0	434.2	435.0	432.6	432.6	430.2	424.6	410.3	393.6	376.0	351.3
27.5°	470.1	467.7	470.1	469.3	466.1	459.7	454.9	439.0	418.3	401.5	379.2
30°	499.5	499.5	501.1	496.3	499.5	494.0	482.8	465.3	447.7	426.2	403.1
32.5°	530.6	530.6	529.0	528.2	532.2	525.0	512.3	491.6	477.2	454.9	435.0
35°	617.4	611.1	621.4	620.6	640.5	626.2	602.3	574.4	552.1	523.4	497.1
37.5°	866.8	863.6	858.8	828.6	793.5	799.1	803.1	772.0	744.1	692.3	631.0
40°	937.7	936.9	936.1	918.6	928.2	902.7	889.9	874.0	869.2	801.5	719.4
42.5°	995.9	986.3	995.9	1027.7	1077.9	1060.4	995.9	913.0	897.9	833.4	799.9
45°	1153.6	1147.3	1163.2	1172.7	1156.8	1128.1	1146.5	1085.9	1044.5	952.9	891.5
47.5°	1342.4	1336.1	1351.2	1359.2	1391.8	1361.6	1347.2	1295.4	1226.1	1139.3	1059.6
50°	1905.7	1834.0	1892.2	1872.3	1880.2	1812.5	1839.6	1765.5	1703.3	1560.7	1416.5
52.5°	2690.5	2666.6	2626.7	2582.1	2616.4	2543.9	2566.2	2485.7	2373.4	2207.7	1994.9
55°	3752.5	3672.0	3697.5	3789.1	3770.0	3640.1	3617.8	3421.8	3220.3	2972.5	2748.6
57.5°	5141.9	5102.1	5055.9	4994.5	4934.8	4800.1	4734.0	4514.9	4201.8	3856.0	3544.5
60°	6087.6	6055.7	6035.0	5847.8	5737.8	5467.0	5405.6	5253.5	4974.6	4598.6	4169.1
62°	6275.6	6270.8	6228.6	6112.3	6079.6	5792.8	5606.4	5436.7	5231.9	4850.3	4476.7
62.5°	6274.0	6264.5	6239.8	6142.6	6109.1	5840.6	5638.3	5458.2	5254.3	4879.8	4512.5
65°	6146.6	6125.0	6113.9	6055.7	6040.6	5882.8	5614.4	5428.7	5257.4	4844.7	4538.8
67.5°	5666.9	5692.4	5694.0	5635.9	5585.7	5491.7	5235.1	5074.2	4956.3	4526.1	4237.7
70°	4600.2	4565.9	4530.8	4557.9	4535.6	4484.6	4280.7	4078.3	3930.9	3705.5	3432.2
72.5°	3381.2	3435.4	3434.6	3442.5	3446.5	3318.3	3227.4	3111.1	3031.5	2836.3	2641.1
75°	2710.4	2715.2	2700.0	2644.3	2584.5	2510.4	2526.3	2516.0	2477.7	2271.4	2077.8
77.5°	2139.9	2087.4	2108.9	2021.2	1944.0	1943.2	1974.2	2004.5	2021.2	1855.5	1705.7
80°	1506.6	1494.6	1475.5	1483.5	1419.7	1436.5	1451.6	1472.3	1439.6	1341.6	1272.3
82.5°	951.3	940.9	925.8	999.1	1060.4	1046.9	998.3	920.2	901.9	909.0	893.1
85°	899.5	898.7	885.1	878.0	868.4	846.9	858.8	875.6	866.0	811.8	741.7
87.5°	849.3	846.9	836.5	832.6	814.2	811.8	823.0	829.4	833.4	784.8	725.8
90°	744.1	734.6	725.0	733.0	730.6	732.2	735.4	733.8	735.4	678.0	653.3
92.5°	620.6	618.2	611.1	615.1	620.6	642.9	633.4	618.2	615.9	592.7	568.8
95°	566.5	568.0	559.3	564.9	566.5	566.5	560.1	552.9	547.3	529.0	507.5
97.5°	469.3	462.1	458.9	462.9	464.5	458.9	454.9	443.0	442.2	423.8	413.5
100°	399.1	397.6	396.0	400.7	402.3	399.9	400.7	393.6	392.8	382.4	371.3
102.5°	372.9	372.1	371.3	375.2	376.8	375.2	372.9	365.7	367.3	356.1	348.2
105°	352.1	352.1	351.3	353.7	349.0	346.6	343.4	343.4	345.0	336.2	324.3
107.5°	329.0	328.2	329.0	328.2	322.7	320.3	319.5	317.1	322.7	317.9	305.1

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*333.0*	333.0	332.2	323.5	320.3	316.3	314.7	318.7	317.1	309.1	301.2
112.5°	*407.9*	403.1	406.3	394.4	388.8	392.0	393.6	396.8	403.1	390.4	378.4
115°	*455.7*	456.5	464.5	464.5	452.5	458.1	458.1	457.3	463.7	454.1	442.2
117.5°	*372.1*	376.8	402.3	386.4	390.4	393.6	373.7	366.5	364.9	367.3	392.8
120°	*428.6*	422.3	446.2	396.0	380.8	380.8	395.2	413.5	393.6	363.3	371.3
122.5°	*701.1*	701.9	702.7	724.2	721.8	728.2	717.0	702.7	661.3	662.1	624.6
125°	*1073.2*	1062.8	1062.8	1053.2	1051.6	1036.5	1055.6	1067.6	1035.7	981.5	922.6
127.5°	*1026.9*	1049.3	1041.3	1017.4	994.3	986.3	1008.6	1046.1	1027.7	979.9	925.8
130°	*729.0*	734.6	733.0	758.5	764.8	756.9	764.8	737.7	741.7	752.9	724.2
132.5°	*611.1*	607.9	619.0	654.1	667.6	651.7	629.4	609.5	610.3	634.2	632.6
135°	*526.6*	524.2	532.2	533.8	548.9	536.2	516.3	516.3	521.0	526.6	524.2
137.5°	*475.6*	472.4	474.8	456.5	438.2	437.4	453.3	462.1	457.3	451.7	445.4
140°	*409.5*	411.1	407.1	392.0	384.0	385.6	396.0	409.5	405.5	393.6	384.0
142.5°	*325.9*	322.7	327.4	338.6	354.5	354.5	338.6	321.9	321.1	326.6	334.6
145°	*321.1*	319.5	320.3	317.9	321.1	317.9	313.1	308.3	302.7	298.8	295.6
147.5°	*348.2*	348.2	347.4	343.4	340.2	334.6	336.2	341.8	345.0	341.8	337.0
150°	*282.8*	285.2	285.2	284.4	281.2	283.6	286.8	288.4	291.6	291.6	286.8
152.5°	*217.5*	216.7	219.1	215.9	215.1	216.7	220.7	223.9	224.7	224.7	218.3
155°	*207.1*	205.5	207.1	205.5	204.0	205.5	208.7	210.3	211.9	209.5	203.2
157.5°	*193.6*	193.6	193.6	192.0	192.8	192.8	194.4	195.2	196.0	195.2	193.6
160°	*183.2*	183.2	184.0	183.2	183.2	184.8	184.0	183.2	183.2	182.4	181.6
162.5°	*176.9*	176.9	176.9	176.9	176.1	176.1	176.9	176.1	175.3	174.5	176.1
165°	*173.7*	172.9	172.9	172.9	173.7	172.9	172.9	172.9	172.1	174.5	177.7
167.5°	*180.1*	178.5	179.3	180.1	180.1	179.3	179.3	179.3	180.9	183.2	185.6
170°	*188.8*	188.0	188.0	188.8	188.8	188.0	188.0	188.0	188.8	189.6	190.4
172.5°	*196.0*	195.2	195.2	195.2	194.4	193.6	193.6	193.6	193.6	193.6	194.4
175°	*203.2*	203.2	203.2	203.2	202.4	201.6	201.6	201.6	201.6	201.6	201.6
177.5°	*211.1*	210.3	211.1	210.3	210.3	210.3	209.5	208.7	207.9	207.9	207.9
180°	*209.5*	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2.5°	81.3	80.5	75.7	71.7	68.5	65.3	60.5	56.6	53.4	52.6	52.6
5°	105.2	103.6	98.8	92.4	89.2	84.5	79.7	76.5	72.5	70.9	71.7
7.5°	145.0	145.8	147.4	150.6	149.0	135.4	120.3	117.1	120.3	125.1	127.5
10°	180.1	177.7	176.9	187.2	184.8	164.9	145.0	138.6	144.2	154.6	159.3
12.5°	208.7	204.0	203.2	204.8	195.2	173.7	157.0	149.8	153.0	160.9	160.1
15°	251.0	243.8	233.4	227.1	215.1	200.0	179.3	167.3	167.3	167.3	166.5
17.5°	275.7	267.7	247.8	229.5	214.3	203.2	189.6	178.5	166.5	164.9	164.1
20°	297.2	285.2	263.7	243.8	224.7	208.7	189.6	176.1	165.7	164.1	163.3
22.5°	315.5	304.3	281.2	257.3	233.4	215.1	194.4	180.1	169.7	166.5	165.7
25°	340.2	328.2	302.0	274.1	246.2	223.1	204.0	187.2	174.5	168.1	168.1
27.5°	364.9	351.3	321.9	293.2	262.9	234.2	212.7	196.0	180.1	171.3	170.5
30°	388.8	373.7	341.8	309.1	278.8	248.6	223.9	204.8	187.2	177.7	176.9
32.5°	422.3	404.7	367.3	326.6	296.4	263.7	235.8	213.5	195.2	185.6	184.0
35°	487.6	467.7	425.4	372.9	325.1	281.2	247.8	218.3	200.8	190.4	189.6
37.5°	608.7	585.6	526.6	462.1	396.8	330.6	269.3	224.7	204.8	195.2	193.6
40°	681.2	635.8	573.6	522.6	473.2	409.5	330.6	260.5	212.7	201.6	200.0
42.5°	775.2	728.2	638.2	541.0	478.0	427.8	372.1	326.6	258.1	218.3	211.1
45°	864.4	828.6	751.3	647.7	552.1	465.3	396.0	352.1	308.3	262.9	255.7
47.5°	1014.2	961.6	859.6	753.7	656.5	559.3	477.2	392.0	335.4	308.3	306.7
50°	1398.2	1302.6	1155.2	1028.5	845.3	696.3	599.1	485.2	412.7	370.5	356.9
52.5°	1894.6	1795.0	1626.9	1443.6	1240.5	1048.5	858.0	694.7	576.8	502.7	505.1
55°	2633.9	2534.3	2287.3	1973.4	1694.6	1494.6	1290.7	1092.3	902.7	793.5	780.0
57.5°	3413.9	3324.6	3113.5	2730.3	2286.5	1916.9	1674.7	1534.4	1437.3	1318.5	1318.5
60°	3985.9	3837.7	3598.7	3212.3	2818.7	2332.7	2022.0	1821.3	1803.7	1783.0	1799.0
62°	*4278.3*	*4087.1*	*3746.1*	*3311.9*	*2946.2*	*2513.6*	*2211.6*	*2012.5*	*1977.4*	*1899.3*	*1900.9*
62.5°	4327.7	4116.6	3770.8	3311.9	2957.4	2529.5	2232.4	2038.0	1989.4	1893.8	1895.4
65°	4377.1	4122.9	3789.1	3258.5	2894.4	2474.6	2245.9	1992.6	1865.1	1704.9	1657.9
67.5°	4093.5	3832.9	3546.9	3029.9	2651.4	2245.9	1992.6	1738.4	1530.5	1367.9	1342.4
70°	3324.6	3119.9	2899.2	2504.0	2173.4	1845.2	1630.1	1400.6	1193.5	1014.2	1025.4
72.5°	2523.2	2331.9	2129.6	1878.6	1673.1	1452.4	1262.0	1077.1	905.1	793.5	814.2
75°	1954.3	1826.8	1683.4	1501.0	1344.8	1140.9	924.2	760.1	643.7	576.0	580.0
77.5°	1606.9	1474.7	1357.6	1190.3	1042.1	833.4	624.6	484.4	416.7	386.4	378.4
80°	1235.7	1139.3	1035.7	885.9	722.6	561.7	419.9	354.5	309.9	287.6	278.8
82.5°	862.8	803.1	716.2	607.9	513.9	454.9	393.6	338.6	292.4	271.7	262.1
85°	710.7	678.8	631.0	569.6	513.9	448.5	380.0	324.3	284.4	268.5	259.7
87.5°	692.3	670.8	616.6	551.3	484.4	417.5	348.2	296.4	270.9	260.5	252.6
90°	635.0	610.3	572.0	507.5	447.7	376.0	319.5	288.4	269.3	257.3	248.6
92.5°	553.7	540.2	505.1	458.9	417.5	371.3	330.6	302.7	282.8	268.5	259.7
95°	492.4	476.4	456.5	419.1	384.8	347.4	309.9	283.6	262.9	247.8	240.6
97.5°	404.7	393.6	374.5	349.8	324.3	294.0	267.7	250.2	236.6	229.5	224.7
100°	367.3	360.1	349.0	331.4	310.7	289.2	270.1	260.5	254.9	250.2	247.8
102.5°	340.2	332.2	323.5	305.1	289.2	270.1	257.3	249.4	242.2	234.2	232.6
105°	316.3	309.9	298.0	282.8	266.9	248.6	233.4	228.7	222.3	215.1	214.3
107.5°	298.0	291.6	281.2	265.3	251.0	235.0	221.5	214.3	207.1	203.2	202.4

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

Scaled Data Report

REPORT NUMBER: P1046382
CATALOG NUMBER: FFX-CLB-80-730-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	296.4	291.6	280.4	266.9	255.7	239.8	224.7	222.3	214.3	204.8	204.0
112.5°	369.7	354.5	333.0	310.7	291.6	275.7	256.5	237.4	221.5	211.9	210.3
115°	428.6	413.5	387.2	354.5	324.3	290.0	257.3	233.4	224.7	222.3	225.5
117.5°	403.1	371.3	326.6	306.7	280.4	262.1	249.4	243.8	229.5	233.4	237.4
120°	387.2	365.7	326.6	323.5	311.5	290.8	261.3	254.9	247.0	240.6	239.8
122.5°	622.2	601.5	556.9	489.2	415.9	366.5	348.2	309.9	263.7	228.7	223.1
125°	881.9	848.5	760.9	686.0	588.8	484.4	390.4	309.9	247.0	213.5	209.5
127.5°	899.5	862.0	785.5	684.4	560.9	433.4	336.2	278.0	235.8	213.5	209.5
130°	701.1	677.2	620.6	525.8	440.6	364.9	309.9	262.9	224.7	207.9	205.5
132.5°	619.8	598.3	517.9	439.0	382.4	324.3	278.0	233.4	200.8	189.6	188.0
135°	512.3	488.4	435.0	386.4	345.0	298.0	251.8	213.5	190.4	184.8	184.0
137.5°	437.4	426.2	386.4	352.1	314.7	274.1	235.8	206.3	192.0	187.2	186.4
140°	377.6	375.2	350.5	320.3	282.8	239.8	210.3	192.8	187.2	184.8	184.0
142.5°	333.8	330.6	303.5	268.5	235.0	212.7	201.6	196.0	191.2	184.8	183.2
145°	289.2	283.6	266.9	251.8	241.4	234.2	223.9	206.3	188.0	178.5	177.7
147.5°	329.0	319.5	301.2	279.6	257.3	234.2	212.7	194.4	179.3	173.7	172.9
150°	276.5	275.7	263.7	247.0	230.2	209.5	193.6	181.6	175.3	174.5	174.5
152.5°	214.3	214.3	214.3	210.3	202.4	191.2	179.3	172.1	172.1	175.3	176.1
155°	201.6	202.4	203.2	201.6	195.2	184.8	174.5	171.3	172.1	175.3	176.1
157.5°	192.0	192.0	192.8	191.2	188.0	180.9	173.7	170.5	171.3	172.9	173.7
160°	180.9	180.9	181.6	181.6	178.5	176.1	172.9	170.5	170.5	171.3	172.1
162.5°	176.9	176.9	176.9	176.9	176.1	176.1	176.1	176.1	175.3	175.3	175.3
165°	178.5	178.5	176.1	175.3	176.9	179.3	183.2	184.0	180.1	179.3	179.3
167.5°	186.4	186.4	184.0	182.4	184.8	187.2	192.8	194.4	191.2	188.0	188.0
170°	191.2	191.2	191.2	192.0	192.8	195.2	198.4	200.0	199.2	198.4	198.4
172.5°	194.4	194.4	196.0	197.6	200.0	201.6	203.2	204.8	206.3	206.3	207.1
175°	200.8	201.6	203.2	204.0	205.5	207.1	208.7	210.3	211.1	211.1	211.1
177.5°	207.1	207.1	207.1	207.9	208.7	209.5	210.3	211.1	211.1	211.9	212.7
180°	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

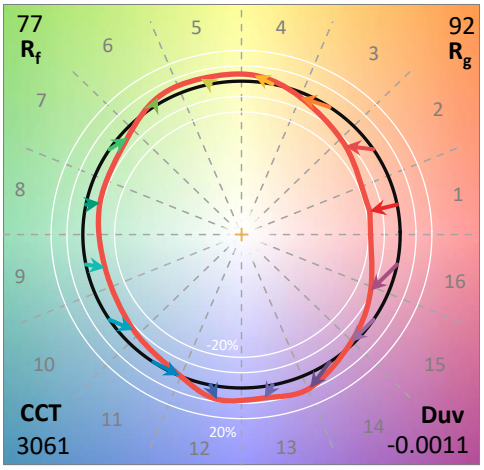
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

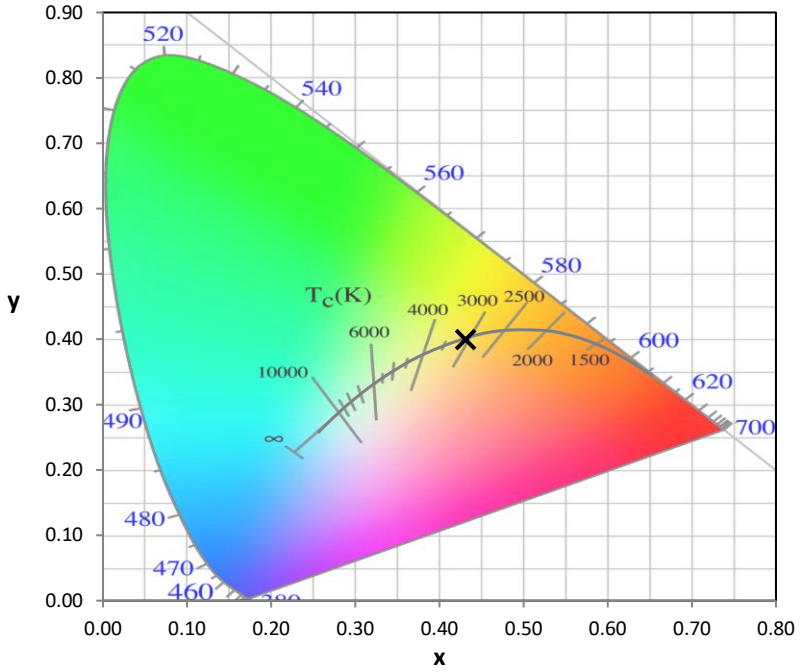
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

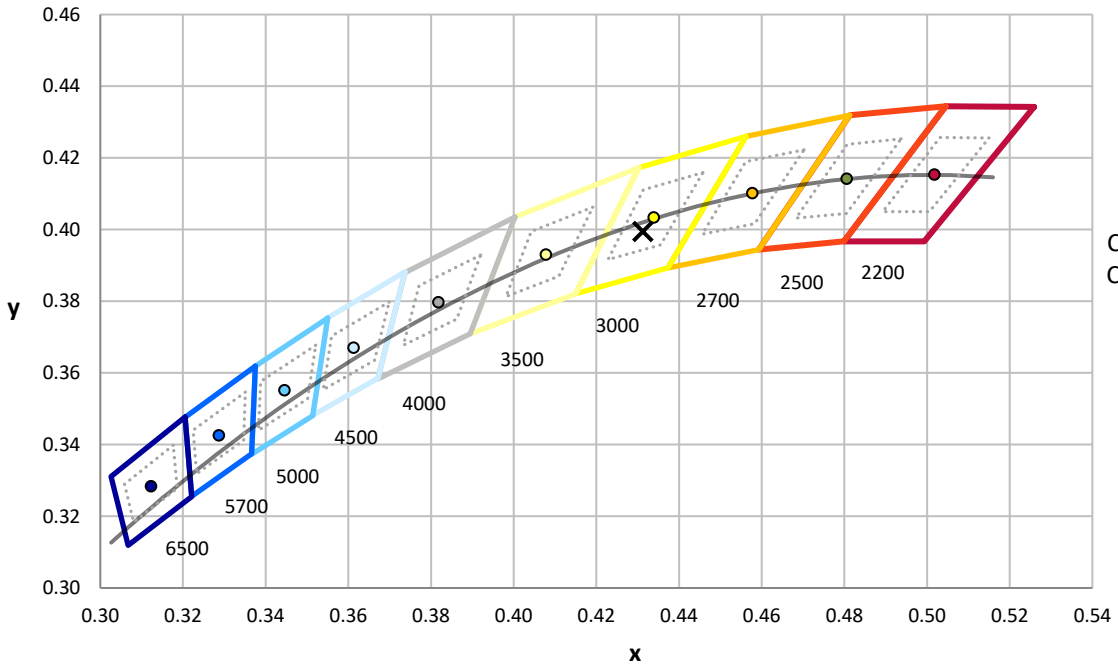
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

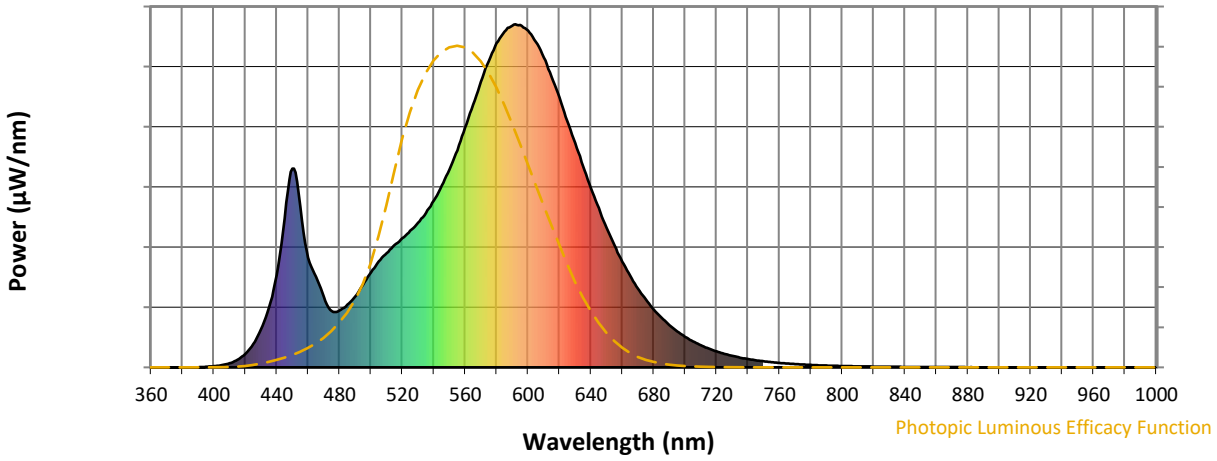


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

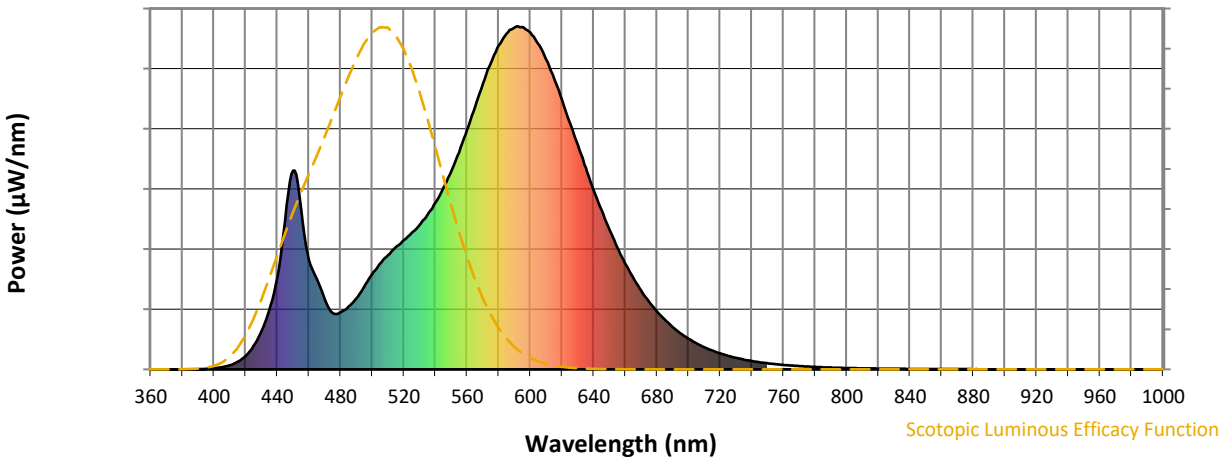


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

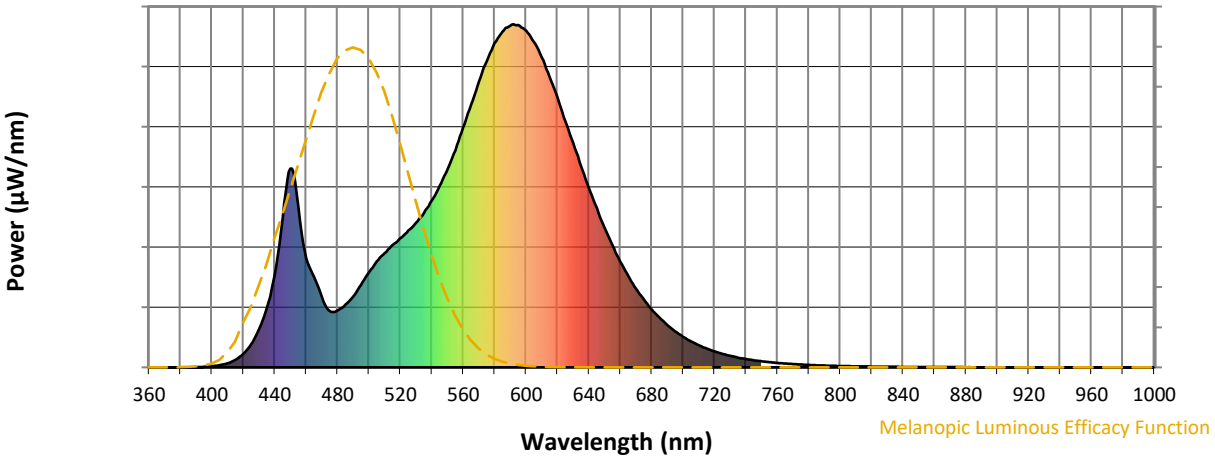


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

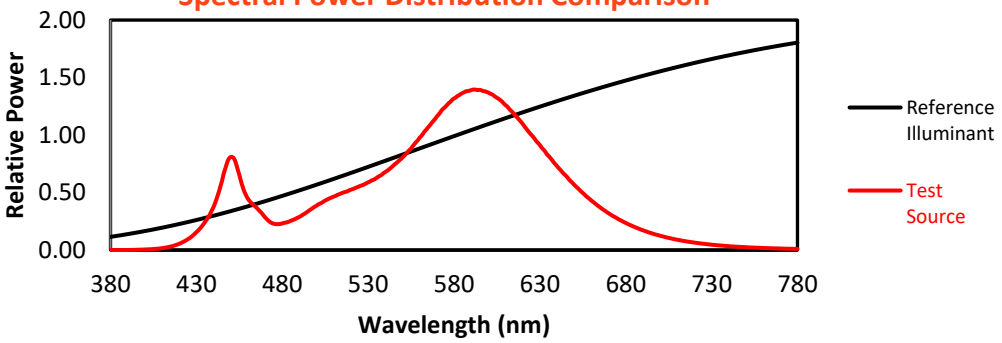
REPORT NUMBER: SP1-2501-332-4

TM-30-18

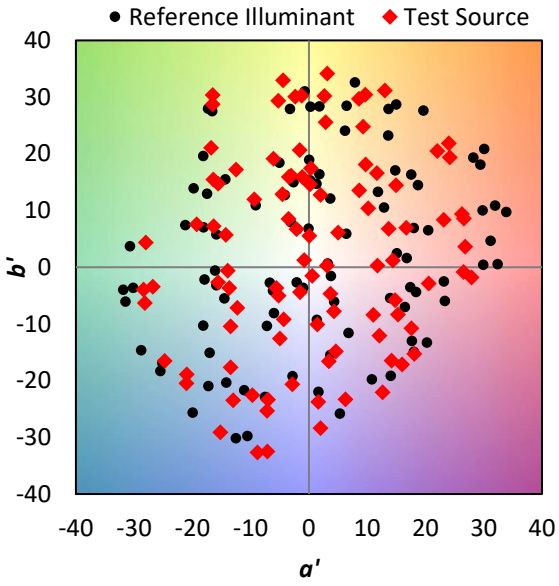
Summary

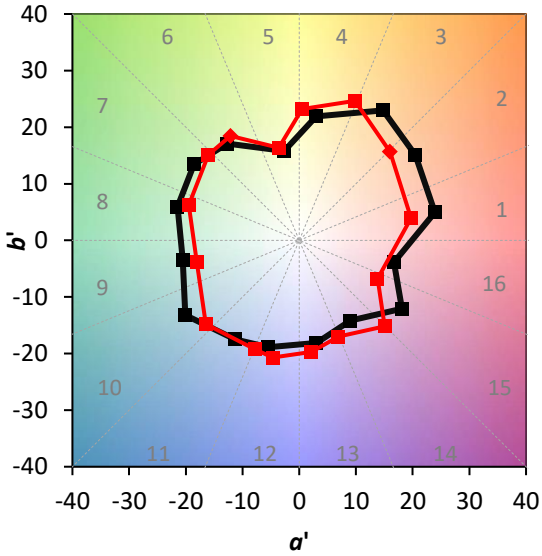
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

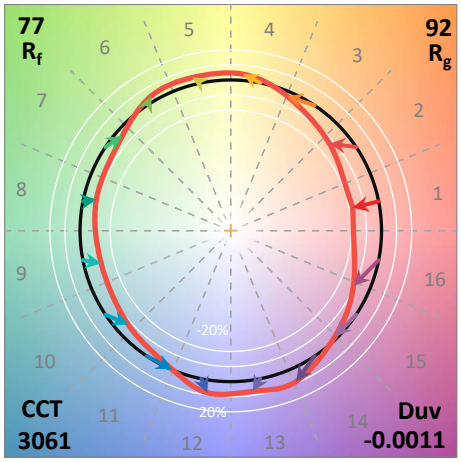
Spectral Power Distribution Comparison

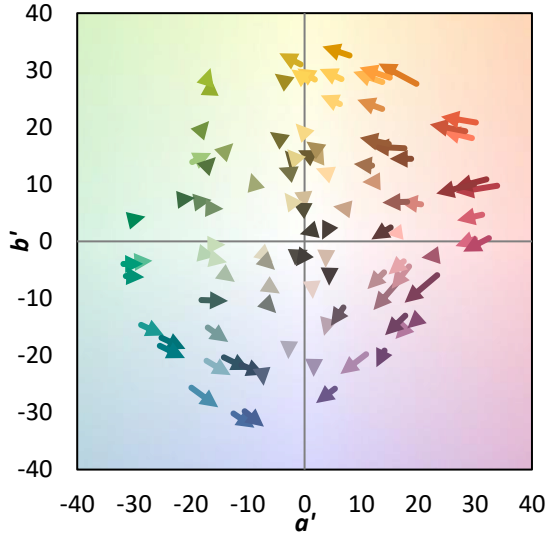


Color Vector Graphics







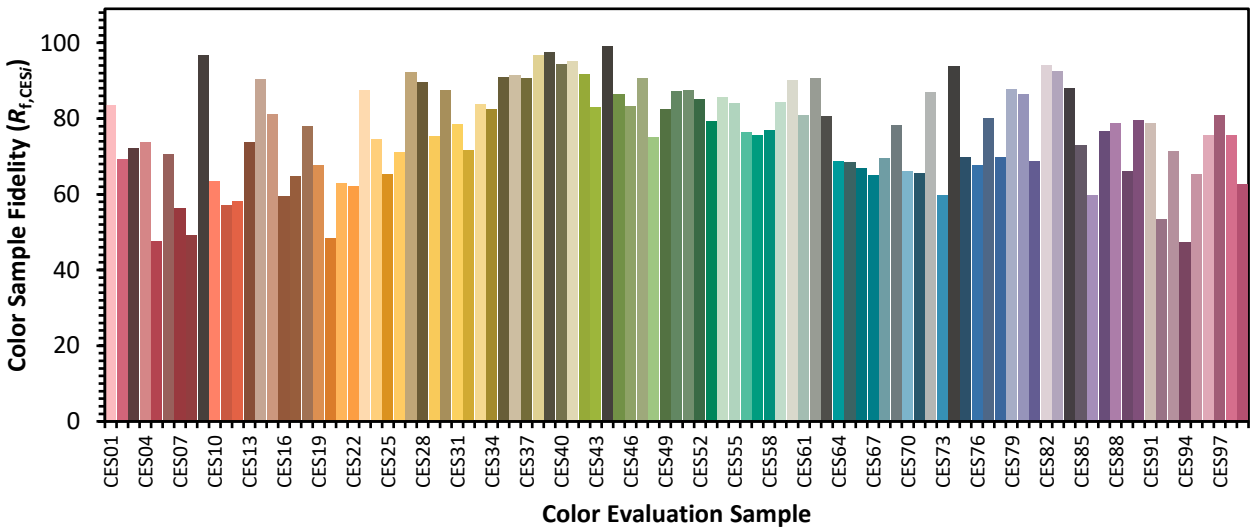


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

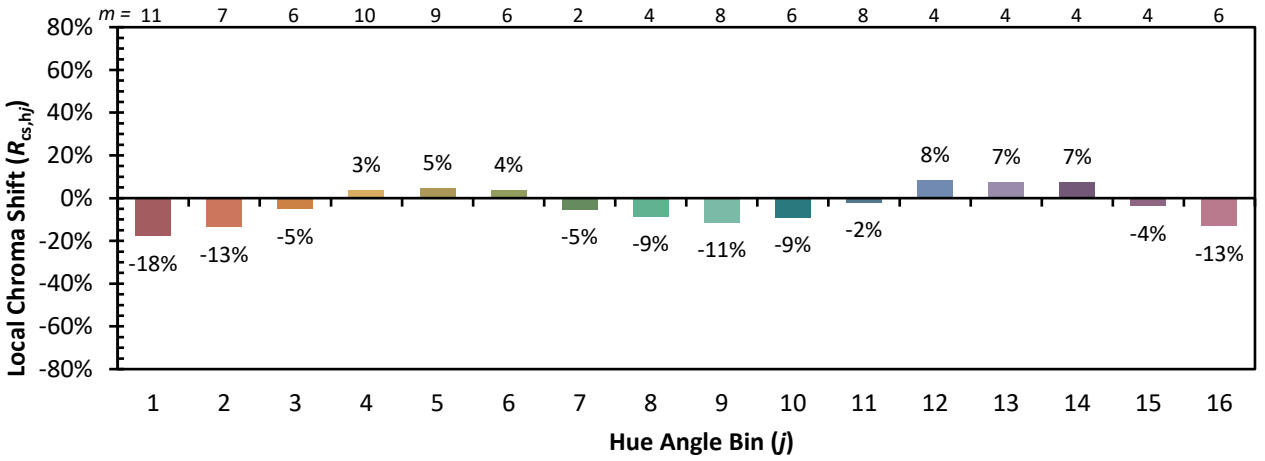
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
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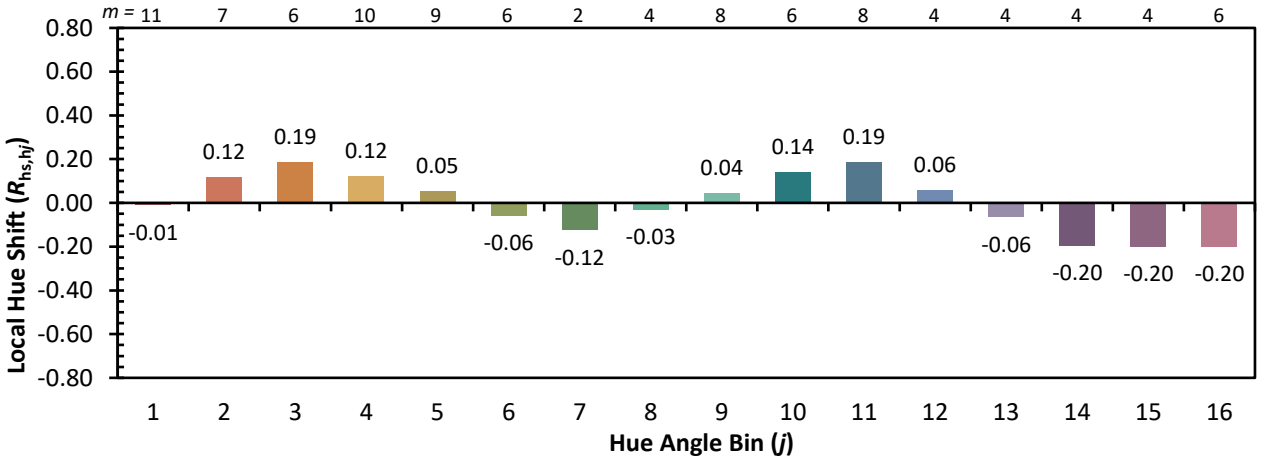


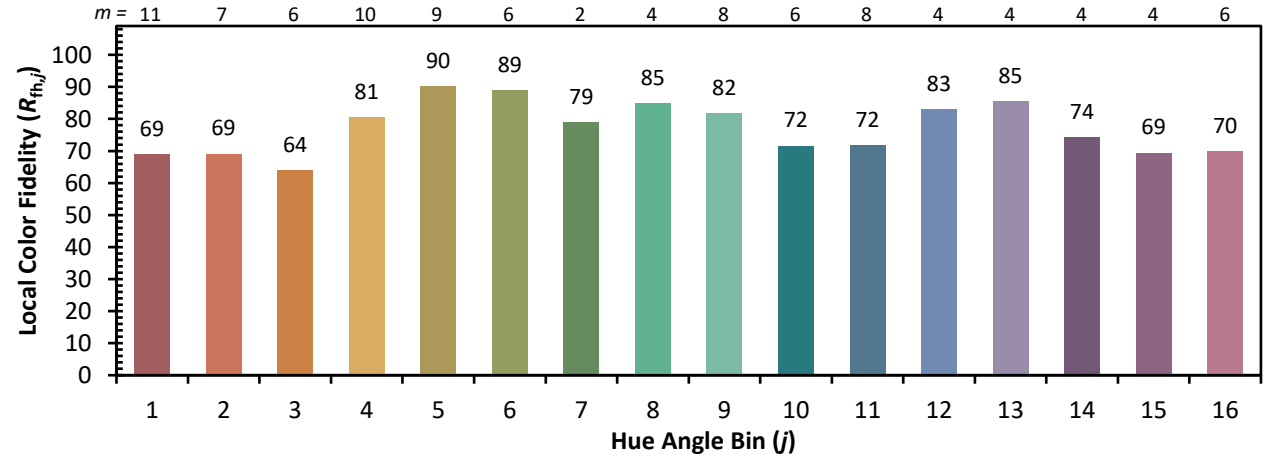
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



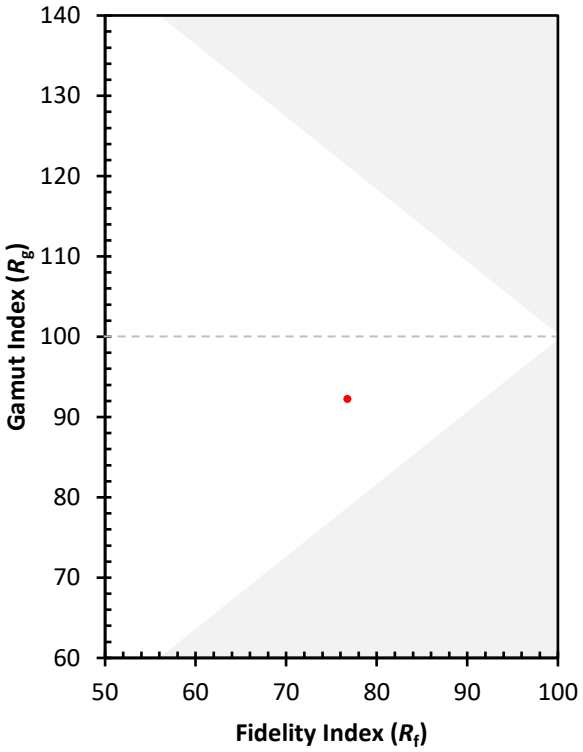


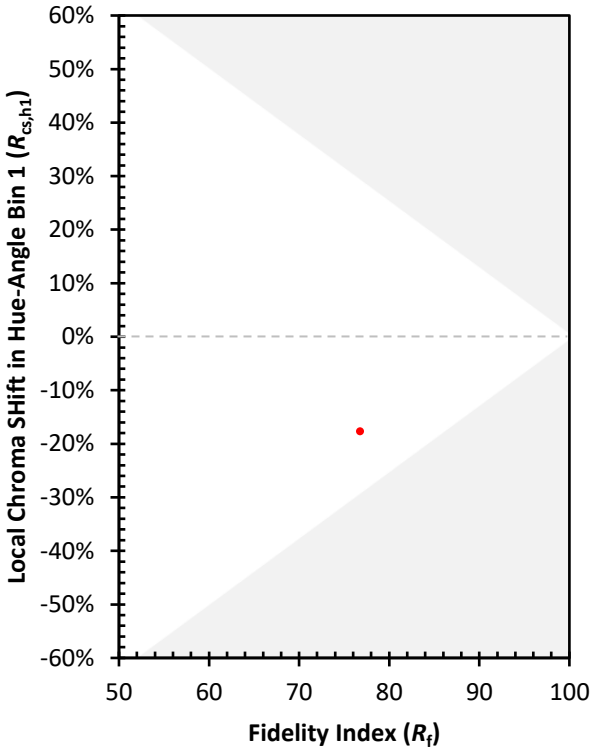


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Measure Comparisons





(END OF REPORT)