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: P1046202

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

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046202
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-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11522.1 lumens
Efficiency:	N/A
Efficacy:	140.9 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

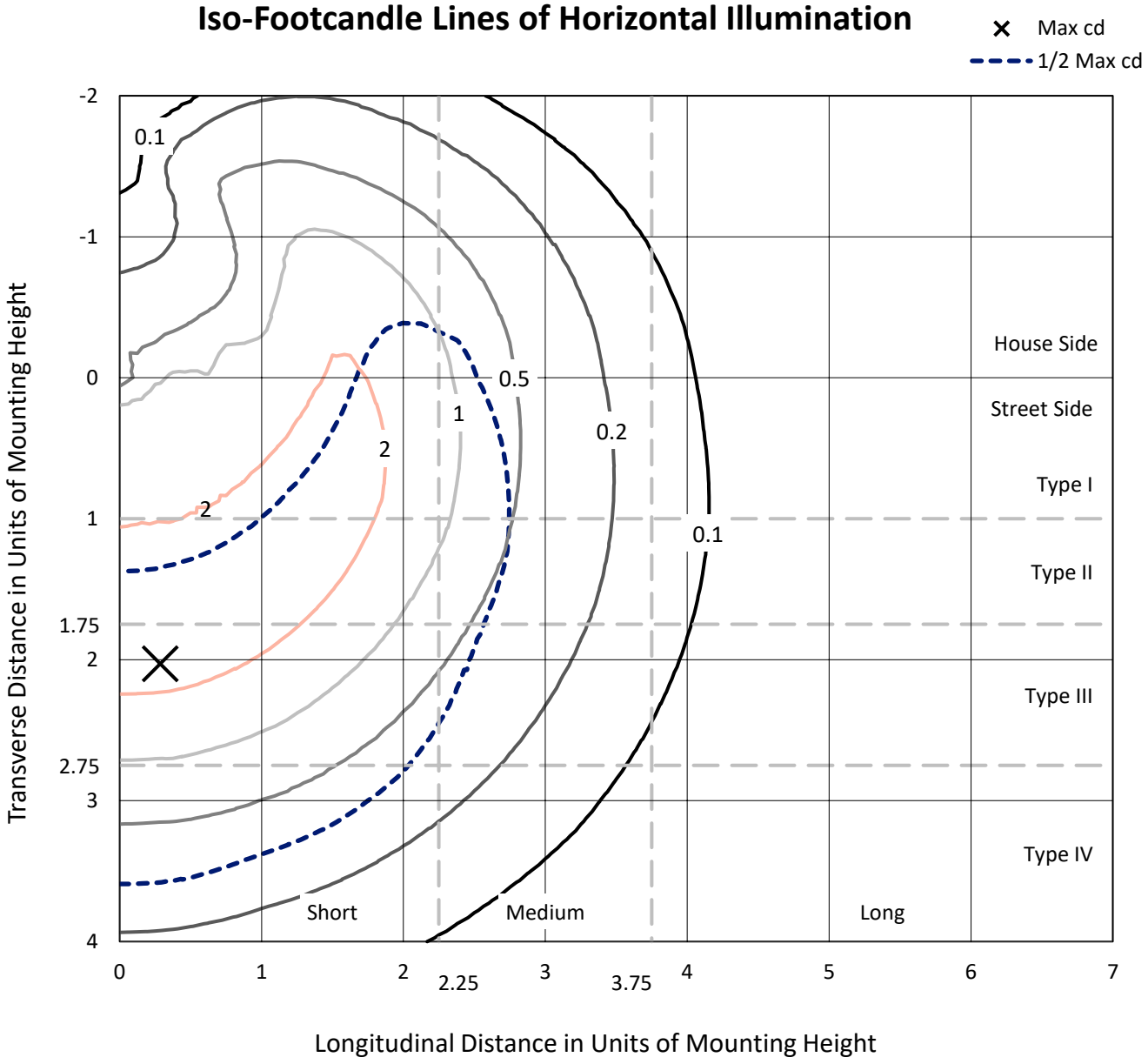


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Iso-Footcandle Lines of Horizontal Illumination



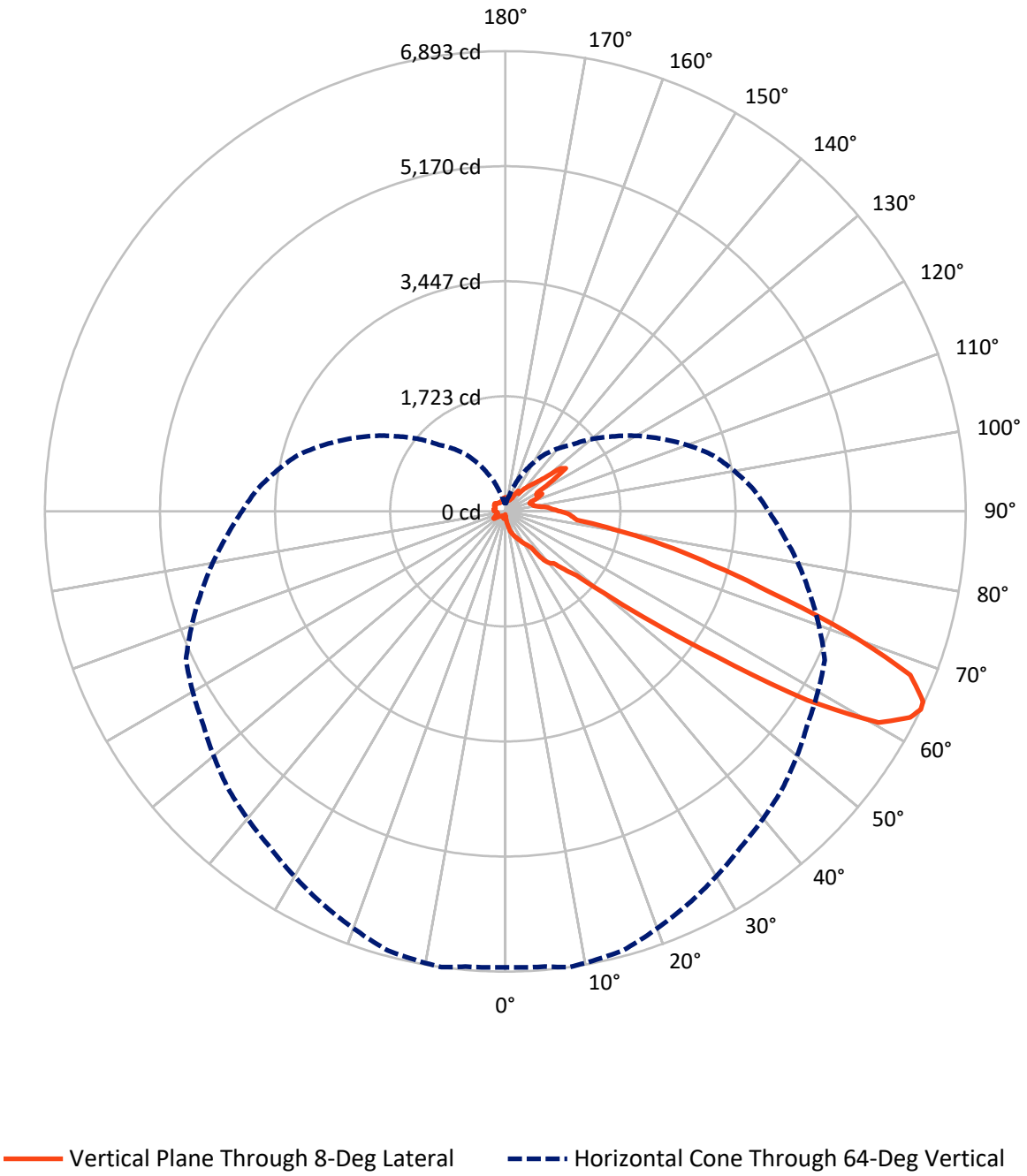
Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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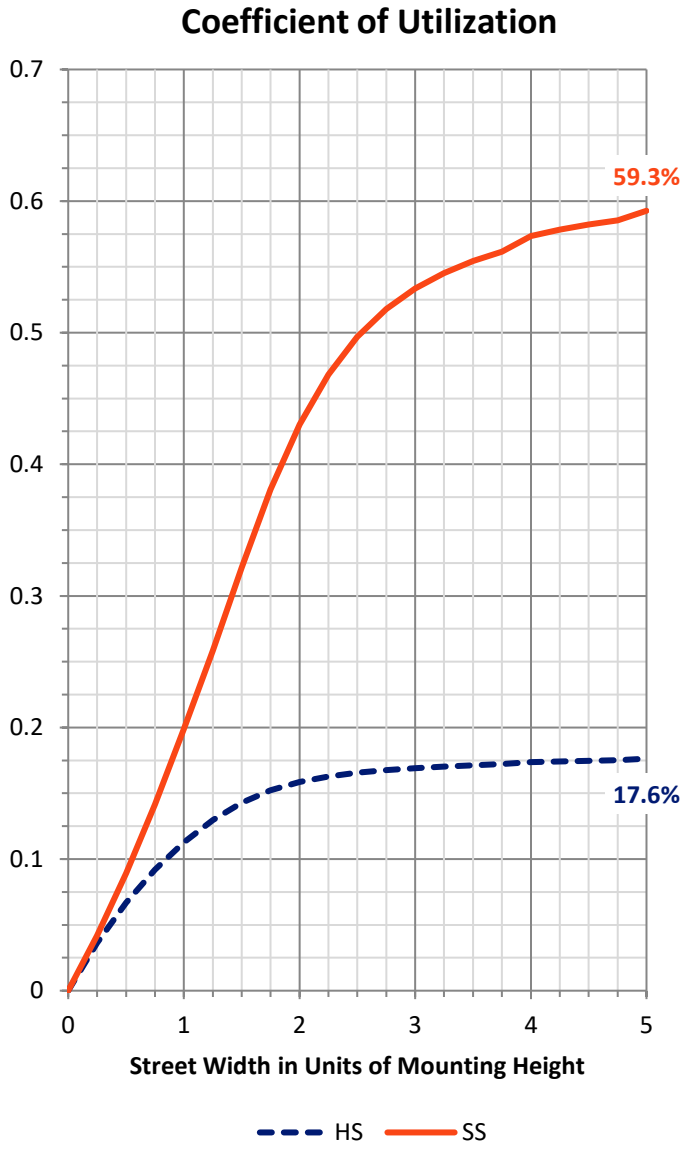
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2107.2	787.2	2894.3
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	7120.5	1507.2	8627.7
	% Fixture	61.8	13.1	74.9
Total	Lumens	9227.7	2294.4	11522.1
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.1
10°-20°	63.4	0.6
20°-30°	137.7	1.2
30°-40°	275.2	2.4
40°-50°	595.9	5.2
50°-60°	2065.4	17.9
60°-70°	3474.1	30.2
70°-80°	1889.1	16.4
80°-90°	715.1	6.2
90°-100°	451.3	3.9
100°-110°	304.4	2.6
110°-120°	329.4	2.9
120°-130°	542.0	4.7
130°-140°	333.8	2.9
140°-150°	174.6	1.5
150°-160°	90.9	0.8
160°-170°	49.5	0.4
170°-180°	18.6	0.2
0°-90°	9227.7	80.1
0°-180°	11522.1	100.0



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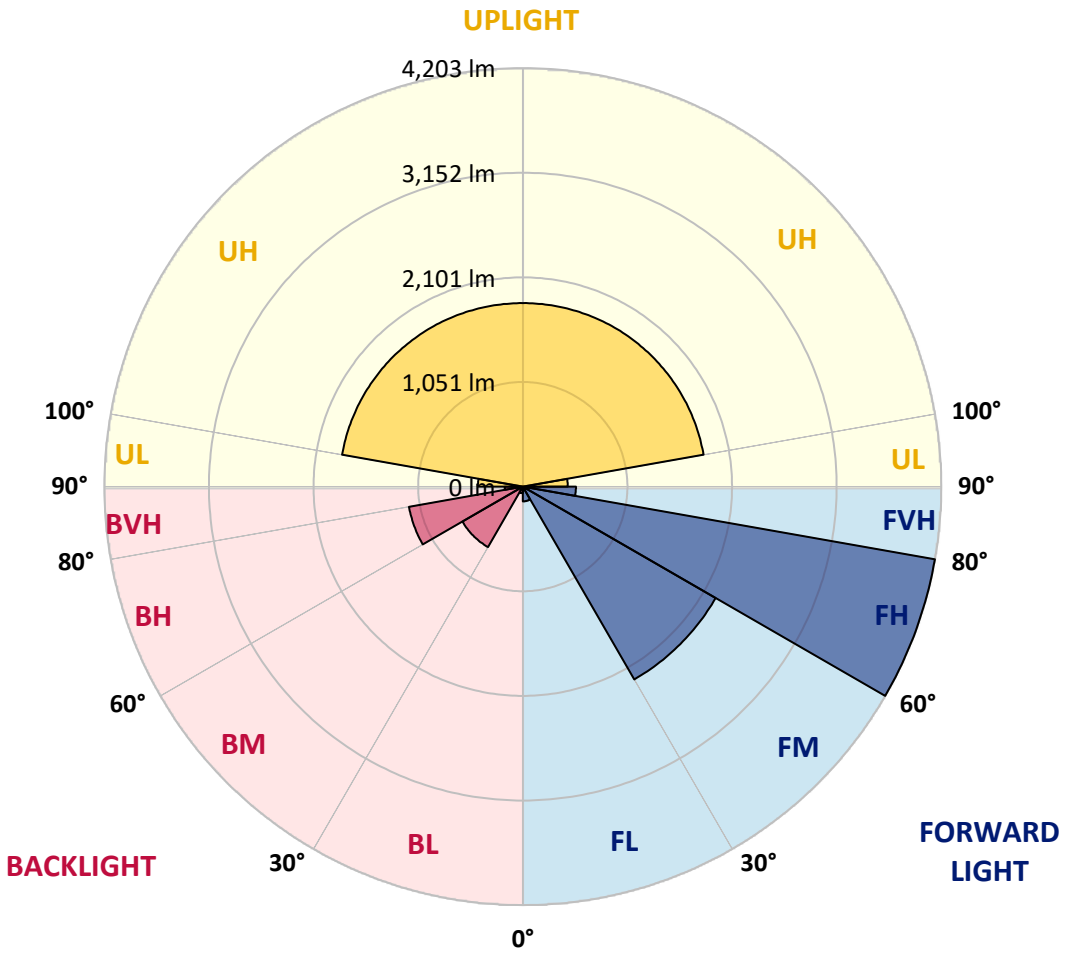
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	148.2	1.3			
FM	(30°-60°)	2236.1	19.4			
FH	(60°-80°)	4202.8	36.5			G2/5000
FVH	(80°-90°)	533.5	4.6			G4/750
BL	(0°-30°)	64.6	0.6	B0/110		
BM	(30°-60°)	700.4	6.1	B1/1000		
BH	(60°-80°)	1160.4	10.1	B3/2500		G3/2500
BVH	(80°-90°)	181.7	1.6			G2/225
UL	(90°-100°)	451.3	3.9		U3/500	
UH	(100°-180°)	1843.1	16.0		U5	

BUG Rating: B3-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
0°	74.1	74.1	*74.1*	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	80.4	80.4	*80.4*	82.8	84.4	85.2	82.8	81.2	80.4	79.7	77.3
5°	115.5	116.3	*116.3*	118.7	117.1	118.7	115.5	113.1	109.1	104.3	100.4
7.5°	163.3	163.3	*162.5*	163.3	162.5	159.3	159.3	161.7	155.3	145.8	137.0
10°	221.4	223.0	*222.2*	219.0	214.3	210.3	210.3	213.5	203.9	187.2	174.4
12.5°	280.4	283.6	*280.4*	281.2	273.2	270.0	263.6	262.1	249.3	233.4	211.1
15°	324.2	326.6	*327.4*	329.8	329.0	318.6	307.5	295.5	285.2	270.8	247.7
17.5°	359.2	360.0	*361.6*	360.8	356.0	345.7	332.9	320.2	303.5	288.3	266.8
20°	393.5	396.7	*395.9*	395.1	392.7	384.7	369.6	351.3	336.9	314.6	292.3
22.5°	428.5	426.1	*427.7*	426.9	426.9	419.0	403.0	381.5	362.4	340.1	320.2
25°	469.2	468.4	*469.2*	466.8	463.6	459.6	439.7	415.0	393.5	370.4	342.5
27.5°	512.2	513.0	*513.8*	509.8	505.8	499.4	470.7	446.1	423.0	394.3	355.3
30°	560.0	557.6	*558.4*	552.8	550.4	530.5	502.6	473.1	447.6	409.4	371.2
32.5°	603.8	599.8	*599.0*	594.2	590.2	561.5	532.9	504.2	473.9	434.9	401.4
35°	665.1	673.1	*669.9*	669.9	680.2	636.4	603.0	575.1	542.4	501.8	466.8
37.5°	915.2	913.6	*904.1*	891.3	855.5	824.4	809.3	765.5	712.9	668.3	612.5
40°	1036.3	1031.5	*1021.1*	995.7	970.2	933.5	910.4	883.3	856.3	777.4	688.2
42.5°	1065.0	1061.0	*1063.4*	1093.6	1127.1	1100.0	1010.0	912.0	864.2	810.9	766.3
45°	1221.9	1235.4	*1239.4*	1238.6	1214.7	1186.0	1147.0	1088.1	1005.2	929.5	836.4
47.5°	1421.0	1419.4	*1429.0*	1416.2	1436.1	1386.0	1335.8	1274.4	1188.4	1085.7	974.1
50°	1941.9	1925.2	*1927.6*	1932.4	1902.1	1865.5	1820.1	1785.8	1617.7	1472.0	1302.3
52.5°	2769.5	2771.9	*2754.4*	2753.6	2663.6	2592.7	2513.0	2516.2	2269.3	2073.4	1828.0
55°	3892.6	3894.2	*3831.3*	3883.1	3781.9	3772.3	3596.3	3369.3	3037.1	2770.3	2523.4
57.5°	5291.3	5339.1	*5333.5*	5241.1	5086.6	5003.0	4718.6	4480.5	4010.5	3591.5	3256.2
60°	6482.9	6460.6	*6424.0*	6353.9	5891.1	5696.7	5487.3	5284.1	4894.6	4314.8	3813.0
62.5°	6823.0	6806.3	*6799.9*	6764.9	6399.3	6079.1	5815.4	5483.3	5222.8	4654.1	4142.7
64°	*6828.6*	*6843.7*	*6893.1*	*6809.5*	*6484.5*	*6142.8*	*5869.6*	*5530.3*	*5277.0*	*4716.2*	*4182.6*
65°	6815.9	6812.7	*6874.8*	6768.9	6480.5	6139.6	5836.1	5511.2	5260.2	4699.5	4172.2
67.5°	6474.2	6460.6	*6540.3*	6404.1	6152.4	5844.9	5547.0	5198.1	4977.5	4439.0	3928.5
70°	5312.8	5312.0	*5436.3*	5322.4	5247.5	4921.7	4617.5	4297.3	4061.5	3619.4	3192.5
72.5°	4071.0	4063.9	*4146.7*	4061.5	4023.2	3869.5	3585.2	3302.4	3077.8	2746.4	2400.7
75°	3244.2	3247.4	*3203.6*	3120.0	3088.9	3020.4	2893.8	2724.9	2536.9	2235.8	1917.2
77.5°	2429.4	2413.5	*2432.6*	2315.5	2306.7	2286.0	2285.2	2176.9	2017.6	1825.6	1573.1
80°	1619.3	1628.9	*1663.1*	1632.1	1640.8	1633.7	1678.3	1563.6	1442.5	1329.4	1194.8
82.5°	1047.4	1072.9	*1082.5*	1125.5	1162.9	1179.7	1118.3	1002.8	927.2	885.7	826.0
85°	1005.2	1015.6	*1010.0*	984.5	971.8	951.1	950.3	913.6	874.6	794.9	697.8
87.5°	927.2	939.1	*934.3*	912.0	883.3	881.0	875.4	849.9	831.6	768.6	682.6
90°	790.9	791.7	*795.7*	791.7	786.2	782.2	750.3	735.2	724.0	669.9	611.7
92.5°	685.8	695.4	*693.0*	685.8	667.5	678.6	644.4	615.7	609.3	571.9	527.3
95°	630.1	636.4	*638.0*	625.3	607.7	603.8	577.5	555.2	544.8	520.1	466.0
97.5°	522.5	518.5	*515.4*	512.2	500.2	487.5	470.7	442.9	434.1	407.0	376.8
100°	446.1	447.6	*446.1*	443.7	433.3	426.9	415.0	392.7	383.1	365.6	344.9
102.5°	425.3	426.1	*426.1*	426.9	409.4	395.1	382.3	366.4	357.6	342.5	322.6
105°	406.2	406.2	*407.8*	408.6	391.1	370.4	352.1	343.3	339.3	321.8	301.1
107.5°	382.3	381.5	*383.9*	373.6	356.0	347.3	328.2	317.8	316.2	302.7	281.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	417.4	408.6	*407.0*	381.5	357.6	337.7	328.2	318.6	313.0	294.7	281.2
112.5°	546.4	534.5	*531.3*	507.4	423.8	416.6	407.8	404.6	401.4	376.8	353.7
115°	602.2	602.2	*611.7*	602.2	544.0	477.9	468.4	454.0	459.6	429.3	395.9
117.5°	481.9	515.4	*524.9*	496.2	498.6	456.4	391.1	368.8	357.6	348.9	364.0
120°	540.8	563.1	*553.6*	501.0	477.1	452.4	455.6	447.6	407.8	352.9	358.4
122.5°	806.1	826.8	*834.0*	837.9	849.1	832.4	794.9	742.4	702.5	636.4	599.0
125°	1128.7	1113.5	*1111.9*	1119.1	1127.9	1106.4	1090.4	1080.1	1055.4	968.6	846.7
127.5°	1036.3	1029.1	*1041.1*	1039.5	1061.0	1024.3	1017.2	1022.7	1013.2	964.6	893.7
130°	743.2	755.9	*764.7*	793.3	835.6	802.9	772.6	727.2	724.0	747.9	710.5
132.5°	623.7	629.3	*645.2*	682.6	714.5	700.9	656.3	612.5	609.3	629.3	626.1
135°	551.2	555.2	*557.6*	559.2	553.6	566.3	556.8	540.8	530.5	531.3	521.7
137.5°	492.3	493.8	*492.3*	479.5	464.4	462.0	485.9	486.7	477.1	460.4	447.6
140°	426.9	426.9	*420.6*	411.8	409.4	410.2	423.8	426.1	415.0	401.4	382.3
142.5°	333.7	329.8	*330.6*	344.9	370.4	364.8	347.3	325.0	321.8	337.7	331.4
145°	360.8	360.0	*357.6*	358.4	352.1	341.7	335.3	328.2	315.4	305.1	294.7
147.5°	364.0	360.8	*362.4*	359.2	356.0	351.3	348.9	352.1	348.9	341.7	328.2
150°	287.5	289.1	*290.7*	286.7	289.9	291.5	289.9	287.5	291.5	282.8	277.2
152.5°	224.6	223.8	*223.0*	224.6	223.8	227.0	227.8	227.0	225.4	224.6	215.9
155°	211.1	213.5	*211.9*	207.1	210.3	212.7	215.9	218.2	215.9	211.9	203.9
157.5°	194.4	194.4	*194.4*	194.4	195.1	195.9	199.9	201.5	201.5	199.1	193.6
160°	180.8	181.6	*181.6*	181.6	183.2	184.8	187.2	188.8	190.4	188.8	185.6
162.5°	172.8	172.0	*172.0*	172.8	172.8	175.2	177.6	180.8	181.6	180.0	180.0
165°	168.1	168.1	*168.1*	168.9	170.5	172.0	175.2	176.0	176.8	178.4	178.4
167.5°	173.6	173.6	*173.6*	174.4	176.0	178.4	180.0	181.6	184.8	185.6	185.6
170°	182.4	182.4	*182.4*	183.2	184.0	184.8	185.6	187.2	188.0	189.6	188.8
172.5°	191.2	190.4	*191.2*	191.2	191.2	191.2	191.2	192.0	192.8	192.8	192.8
175°	200.7	200.7	*201.5*	200.7	199.1	199.1	199.1	199.9	199.9	199.9	199.1
177.5°	210.3	210.3	*209.5*	210.3	209.5	208.7	207.9	207.1	205.5	205.5	203.9
180°	204.7	204.7	*204.7*	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	75.7	72.5	68.5	63.7	58.9	55.8	52.6	48.6	46.2	45.4	45.4
5°	95.6	93.2	89.2	82.8	78.9	71.7	65.3	61.3	57.3	53.4	50.2
7.5°	133.8	133.0	135.4	140.2	133.8	117.1	99.6	90.0	90.8	95.6	98.0
10°	168.1	163.3	164.1	175.2	164.9	133.0	109.1	100.4	105.1	114.7	116.3
12.5°	203.9	196.7	191.2	188.8	165.7	129.8	108.3	98.0	100.4	108.3	108.3
15°	236.6	227.8	215.1	198.3	171.3	139.4	113.1	98.0	98.0	97.2	95.6
17.5°	254.9	245.3	222.2	195.9	166.5	137.8	110.7	95.6	87.6	81.2	80.4
20°	283.6	278.8	249.3	211.9	171.3	134.6	106.7	91.6	82.8	78.1	76.5
22.5°	311.4	297.9	259.7	221.4	175.2	133.8	105.1	90.8	82.8	78.9	77.3
25°	326.6	309.8	271.6	232.6	180.8	134.6	106.7	92.4	83.6	79.7	78.9
27.5°	338.5	321.0	285.2	242.9	188.0	137.8	111.5	94.8	85.2	80.4	79.7
30°	354.5	337.7	301.1	255.7	194.4	145.0	117.1	98.8	87.6	82.8	82.0
32.5°	384.7	364.0	321.0	266.8	202.3	152.1	124.3	105.1	91.6	84.4	84.4
35°	447.6	425.3	368.0	297.1	211.1	157.7	129.0	109.1	94.8	86.8	86.0
37.5°	579.9	552.0	481.9	372.0	232.6	165.7	134.6	111.5	96.4	89.2	87.6
40°	643.6	591.8	513.0	415.8	268.4	178.4	143.4	117.1	98.8	90.0	89.2
42.5°	720.9	677.8	569.5	426.9	297.9	207.9	158.5	125.1	103.5	91.6	90.8
45°	796.5	754.3	657.9	519.3	358.4	254.1	183.2	138.6	110.7	95.6	93.2
47.5°	928.7	859.5	744.0	607.7	441.3	321.8	225.4	157.7	122.7	100.4	97.2
50°	1256.1	1210.7	1033.9	825.2	574.3	419.0	306.7	202.3	136.2	103.5	98.8
52.5°	1694.2	1608.2	1407.5	1151.8	833.2	622.1	448.4	300.3	167.3	106.7	100.4
55°	2388.0	2254.2	2023.2	1580.3	1195.6	943.1	701.7	493.0	254.9	113.9	101.2
57.5°	3129.5	3008.5	2732.9	2184.1	1620.1	1201.2	924.0	696.2	357.6	129.8	109.9
60°	3625.8	3414.7	3100.1	2569.6	1958.7	1412.2	1033.9	730.4	371.2	133.0	114.7
62.5°	3910.1	3691.9	3226.7	2617.4	2019.2	1459.2	1081.7	669.1	296.3	129.0	119.5
64°	*3943.6*	*3733.3*	*3228.3*	*2572.0*	*1954.7*	*1410.6*	*1048.2*	*627.7*	*257.3*	*127.4*	*121.9*
65°	3917.3	3723.0	3189.3	2517.8	1867.9	1347.7	1008.4	586.2	228.6	125.9	122.7
67.5°	3661.6	3491.2	2932.0	2283.6	1660.8	1163.7	827.6	450.8	179.2	122.7	121.1
70°	2965.5	2887.4	2410.3	1842.4	1312.7	928.0	652.4	344.9	152.1	119.5	117.9
72.5°	2224.7	2125.9	1798.6	1405.9	1022.7	721.7	495.4	265.2	134.6	116.3	114.7
75°	1783.4	1687.0	1425.8	1107.2	760.7	539.2	366.4	198.3	126.6	115.5	113.9
77.5°	1474.4	1397.1	1172.5	842.7	540.8	386.3	269.2	161.7	124.3	116.3	114.7
80°	1134.3	1121.5	916.0	613.3	383.1	288.3	217.5	151.3	125.1	119.5	117.9
82.5°	795.7	763.9	646.8	456.4	331.4	263.6	208.7	153.7	131.4	126.6	125.9
85°	655.5	630.8	553.6	438.9	315.4	254.9	206.3	157.7	137.8	133.8	132.2
87.5°	648.4	621.3	548.0	419.8	299.5	242.9	196.7	153.7	137.0	134.6	136.2
90°	588.6	568.7	501.0	387.1	297.1	246.9	205.5	169.7	152.1	144.2	142.6
92.5°	515.4	503.4	455.6	376.0	308.3	261.3	223.8	188.0	172.0	167.3	164.9
95°	450.0	445.3	406.2	341.7	284.4	246.1	211.9	180.8	167.3	160.9	160.1
97.5°	368.8	363.2	332.9	290.7	248.5	216.7	191.2	167.3	157.7	156.9	156.1
100°	336.9	332.9	311.4	284.4	250.9	227.0	204.7	184.8	176.8	176.8	177.6
102.5°	311.4	309.1	289.9	262.1	235.8	213.5	195.1	176.8	167.3	167.3	161.7
105°	290.7	286.7	269.2	246.9	219.8	199.1	181.6	168.1	157.7	154.5	154.5
107.5°	272.4	267.6	253.3	231.8	211.9	192.0	176.0	163.3	156.1	153.7	153.7

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

Scaled Data Report

REPORT NUMBER: P1046202
CATALOG NUMBER: FFX-CLB-80-730-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	273.2	269.2	252.5	229.4	211.1	195.9	183.2	171.3	164.9	160.1	160.1
112.5°	336.1	319.4	289.9	255.7	235.0	215.1	195.1	178.4	170.5	168.9	167.3
115°	380.7	364.0	327.4	282.8	245.3	217.5	197.5	184.8	177.6	182.4	184.8
117.5°	382.3	352.1	282.0	260.5	233.4	210.3	196.7	188.8	184.0	188.8	188.8
120°	389.5	328.2	290.7	282.0	250.1	217.5	202.3	200.7	195.9	186.4	186.4
122.5°	579.1	523.3	463.6	387.9	321.8	290.7	263.6	216.7	194.4	184.0	183.2
125°	798.1	740.0	646.8	545.6	450.0	350.5	260.5	222.2	199.1	186.4	184.0
127.5°	848.3	802.9	680.2	559.2	423.8	326.6	261.3	228.6	205.5	192.0	189.6
130°	684.2	648.4	565.5	466.8	372.8	301.9	254.9	222.2	199.9	186.4	183.2
132.5°	608.5	575.1	493.8	403.8	330.6	275.6	233.4	201.5	179.2	169.7	169.7
135°	509.0	485.9	413.4	360.0	307.5	261.3	219.8	190.4	172.0	166.5	166.5
137.5°	436.5	418.2	366.4	324.2	283.6	243.7	207.9	184.0	171.3	165.7	164.9
140°	373.6	361.6	331.4	289.9	250.9	211.9	184.0	170.5	164.9	162.5	161.7
142.5°	325.0	316.2	289.1	246.1	207.9	184.0	173.6	169.7	164.1	158.5	157.7
145°	284.4	277.2	246.1	221.4	203.1	193.6	185.6	173.6	160.1	152.9	152.1
147.5°	319.4	308.3	281.2	252.5	223.0	200.7	183.2	167.3	154.5	149.7	149.7
150°	274.8	266.8	250.1	227.8	203.1	182.4	167.3	156.9	152.1	151.3	151.3
152.5°	213.5	209.5	204.7	193.6	177.6	164.1	154.5	149.7	151.3	154.5	155.3
155°	200.7	199.1	194.4	184.0	173.6	160.9	152.9	150.5	152.9	156.1	156.9
157.5°	191.2	190.4	186.4	176.8	167.3	159.3	153.7	152.1	154.5	156.9	156.9
160°	183.2	182.4	176.8	169.7	162.5	156.9	152.9	152.9	155.3	156.9	156.9
162.5°	178.4	177.6	173.6	168.1	163.3	160.1	159.3	159.3	160.1	160.9	160.9
165°	178.4	177.6	173.6	168.9	165.7	165.7	167.3	168.1	165.7	164.1	164.9
167.5°	185.6	184.0	179.2	175.2	174.4	175.2	177.6	177.6	176.0	173.6	172.8
170°	188.0	187.2	185.6	184.0	184.0	184.0	184.8	185.6	185.6	186.4	186.4
172.5°	192.8	192.8	192.0	192.0	192.8	192.0	192.0	193.6	195.1	195.9	196.7
175°	199.1	198.3	199.1	199.1	199.9	199.1	198.3	199.9	202.3	203.9	203.9
177.5°	203.9	203.9	203.1	202.3	202.3	202.3	202.3	203.1	203.1	203.1	202.3
180°	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7

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

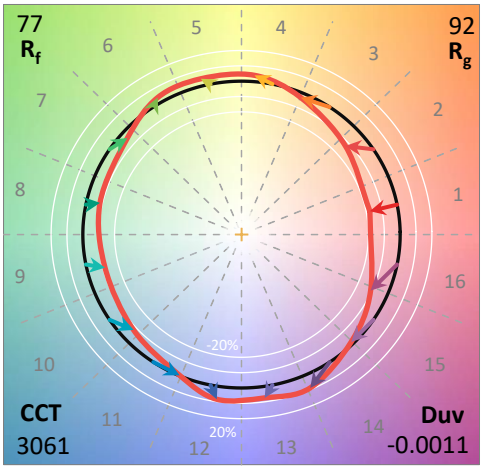
Test Information

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

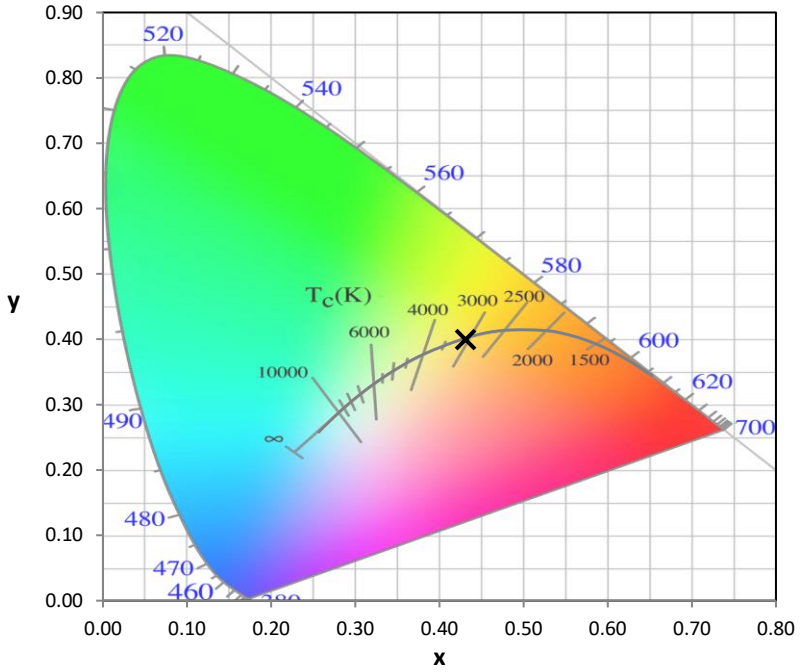
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

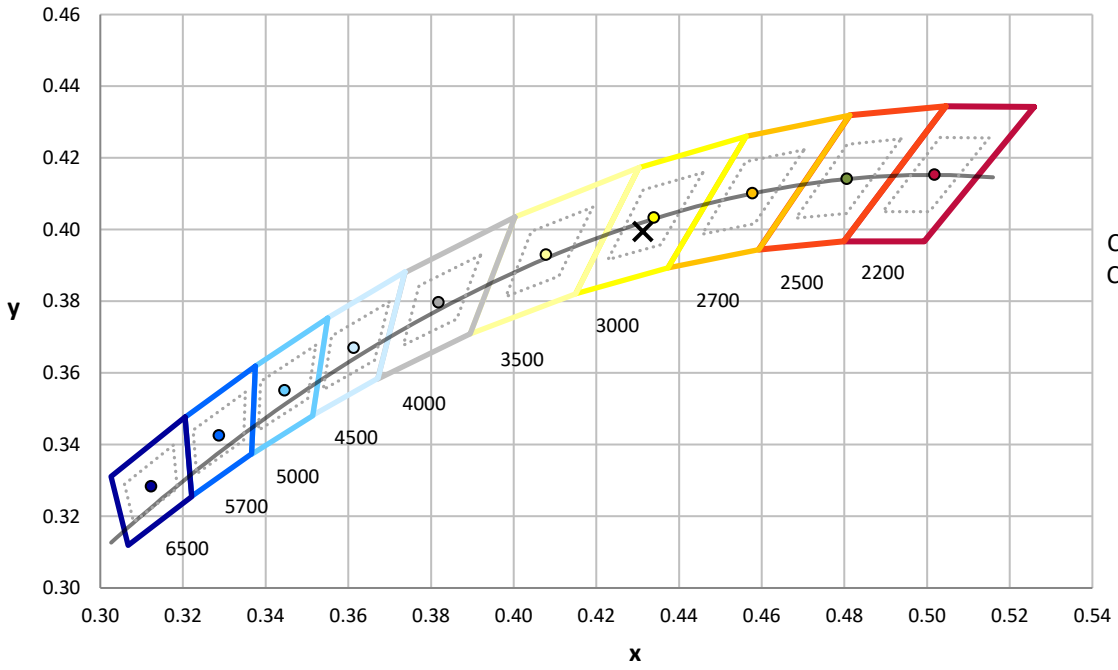
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

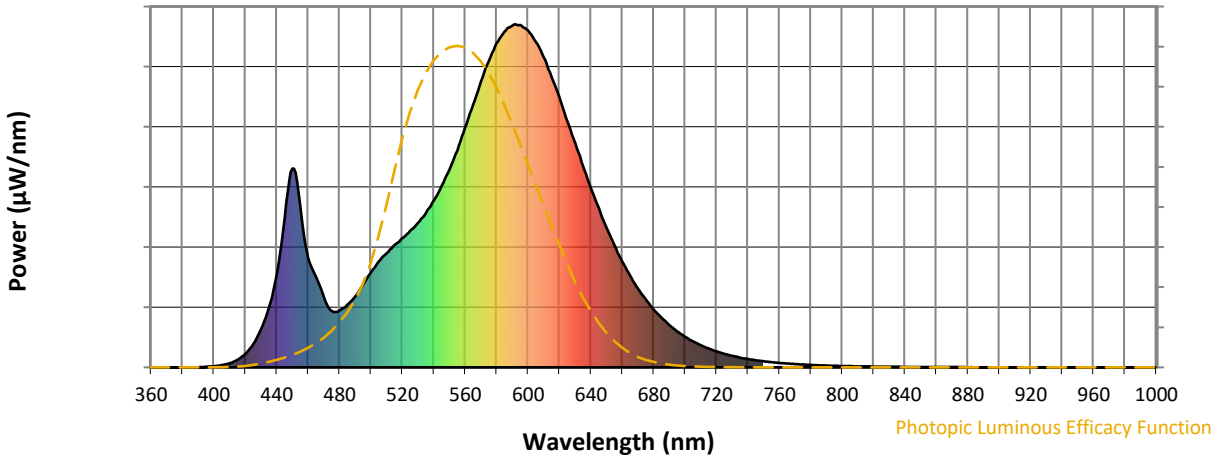


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

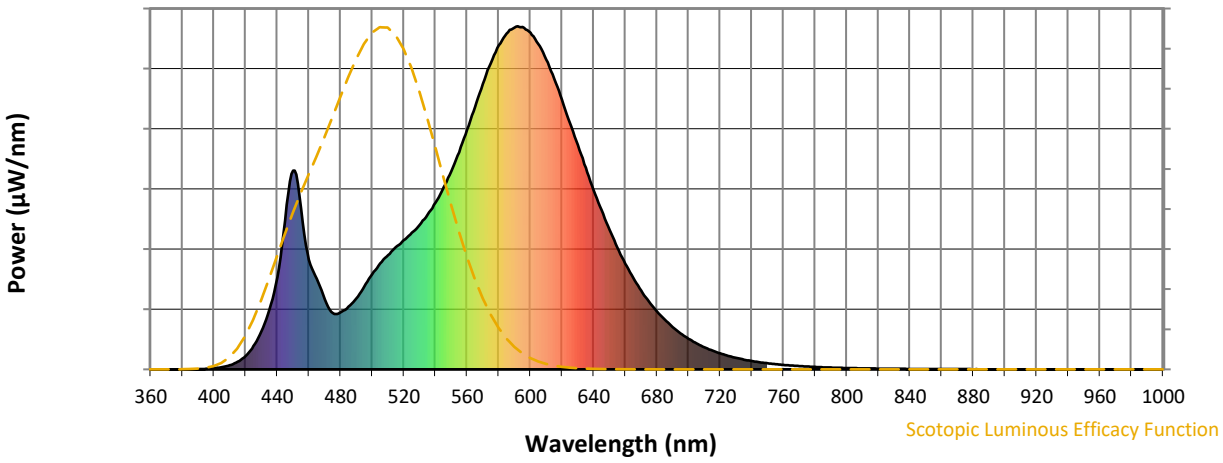


Photopic Lumens: NR

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

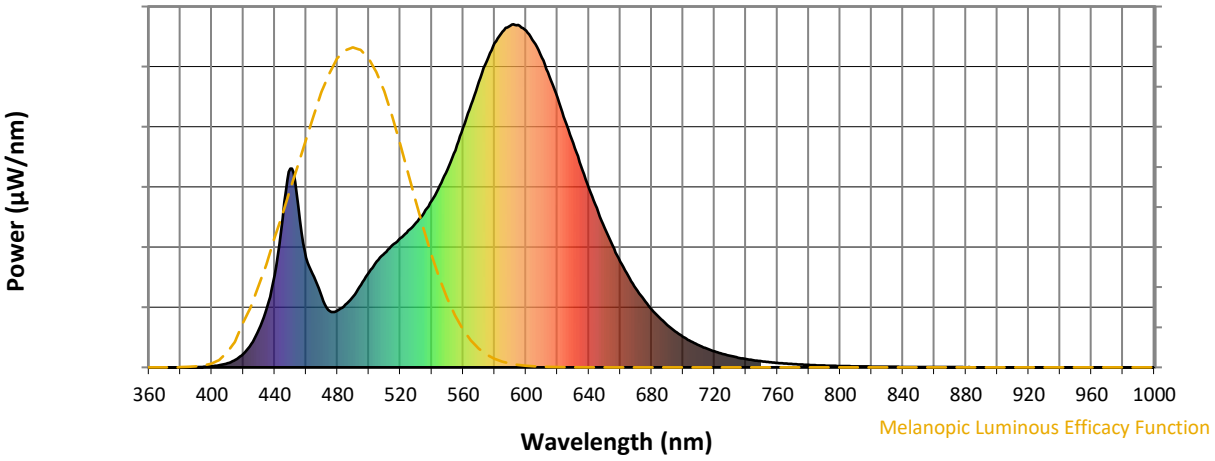


Scotopic Lumens: NR **S/P: 1.29**

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			

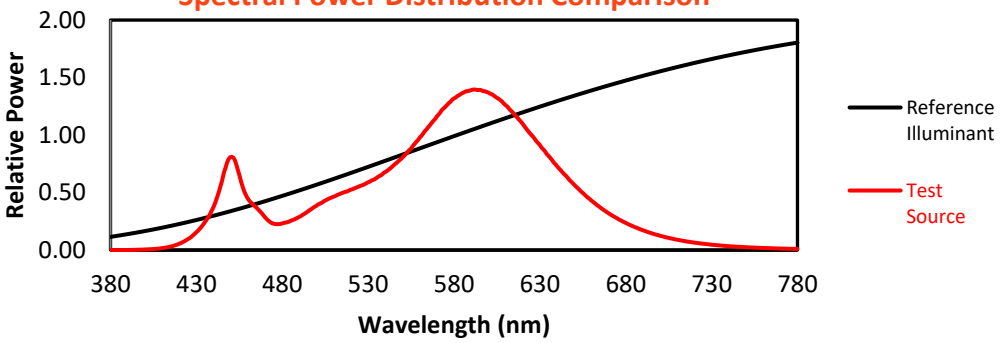
REPORT NUMBER: SP1-2501-332-4

TM-30-18

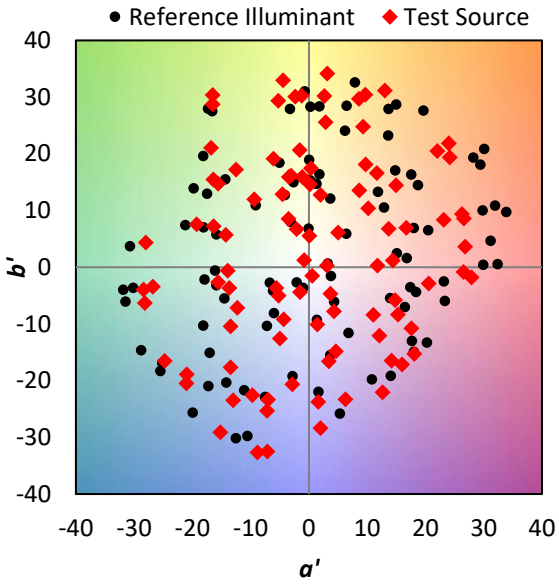
Summary

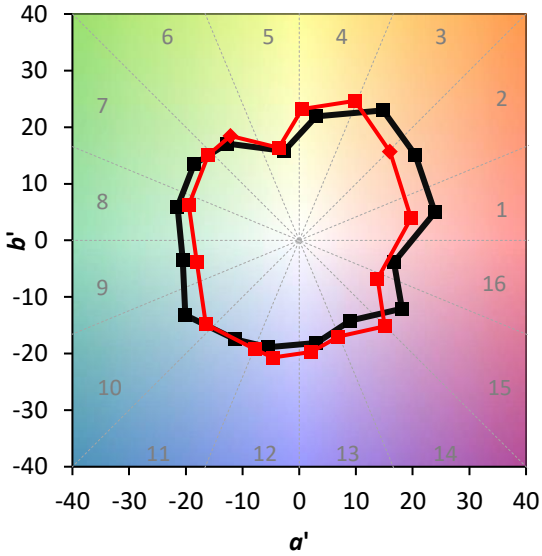
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

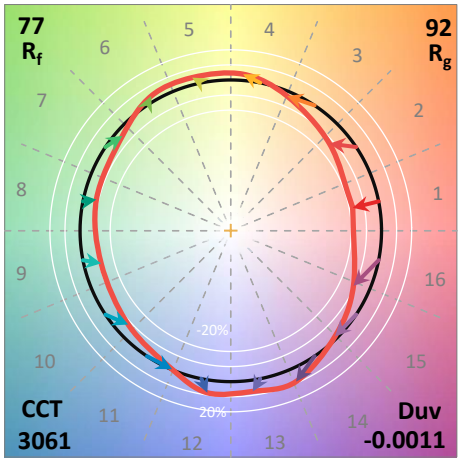
Spectral Power Distribution Comparison

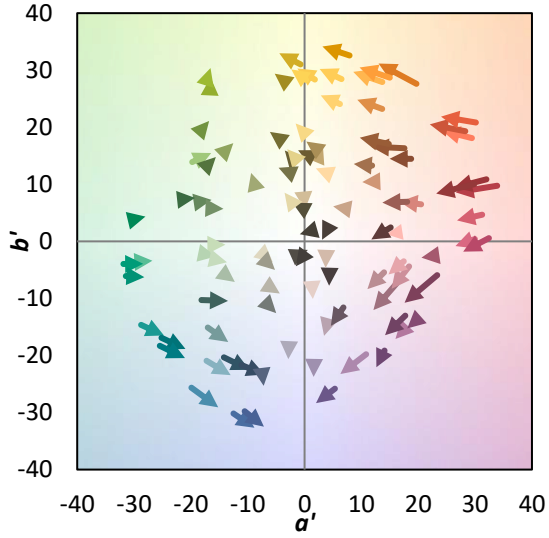


Color Vector Graphics







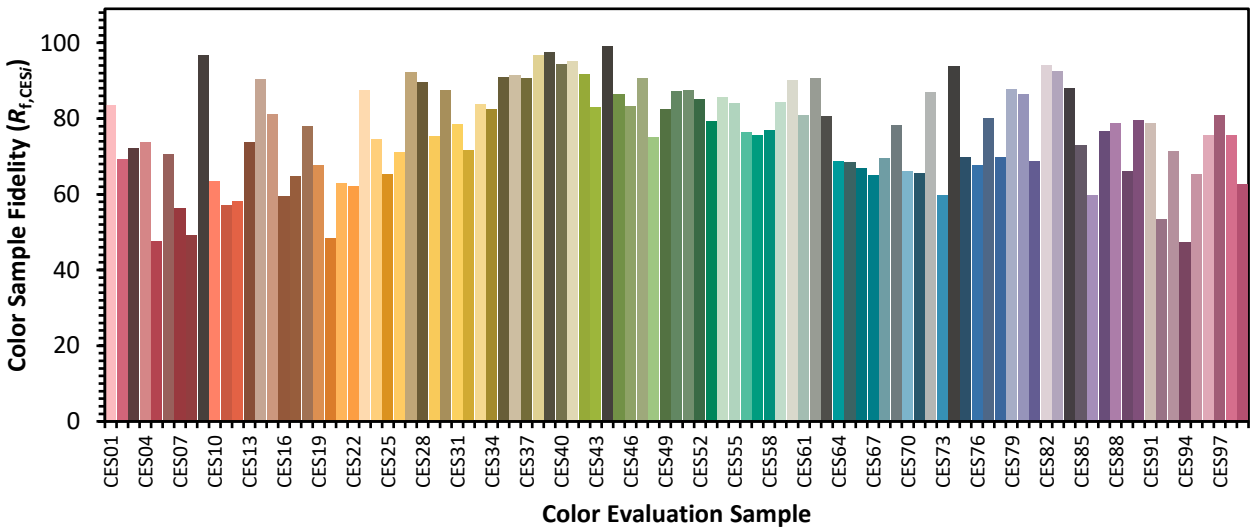


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

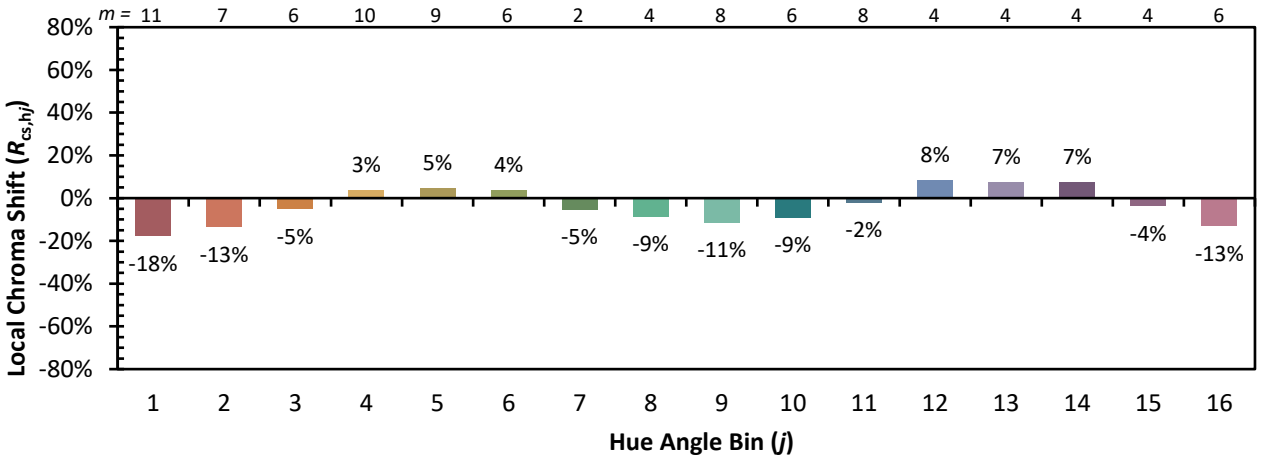
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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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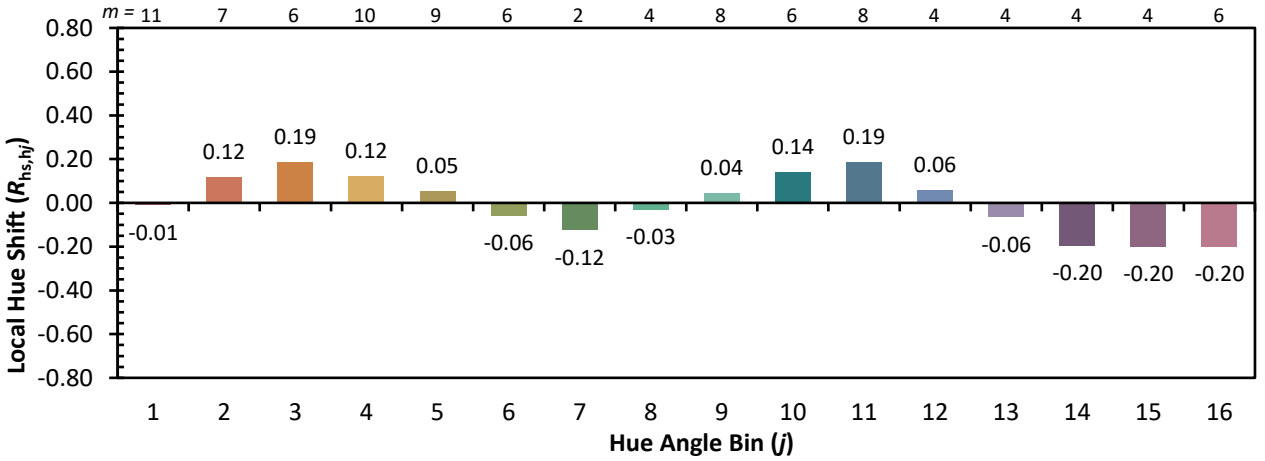


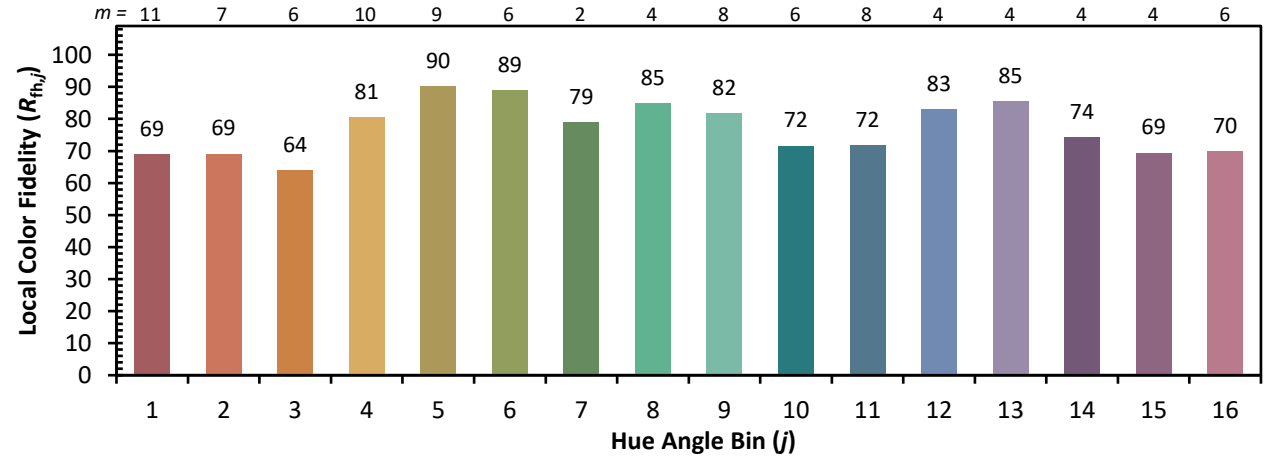
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



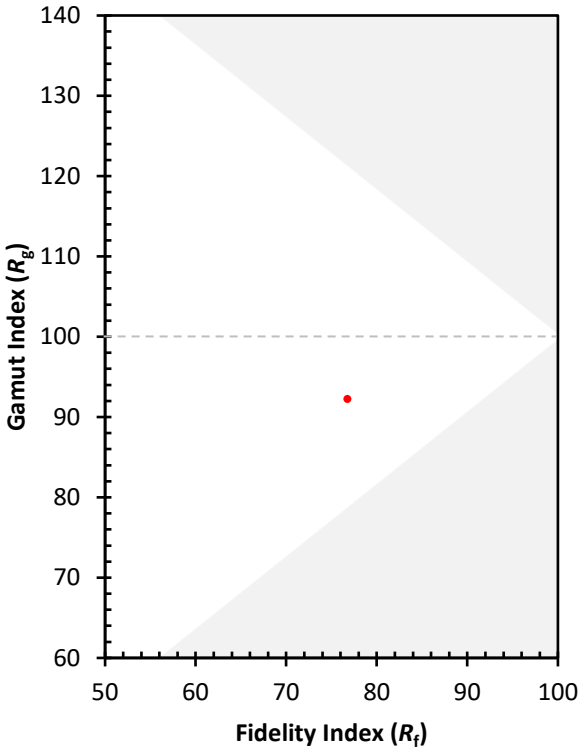


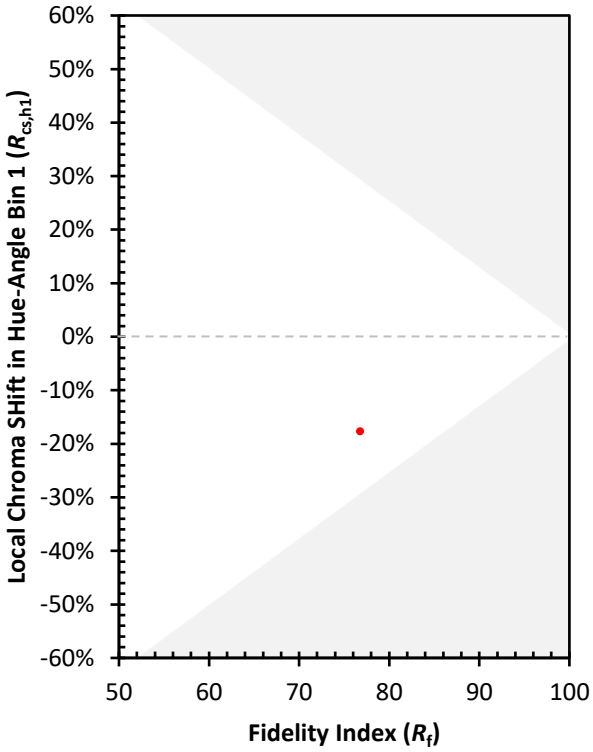


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Measure Comparisons





(END OF REPORT)