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: P1046220

Luminaire Tested: **FFX-CLB-80-750-U-FR-T4-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046220
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-750-U-FR-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION AND HOUSESIDE SHIELD
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12128.5 lumens
Efficiency:	N/A
Efficacy:	148.3 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

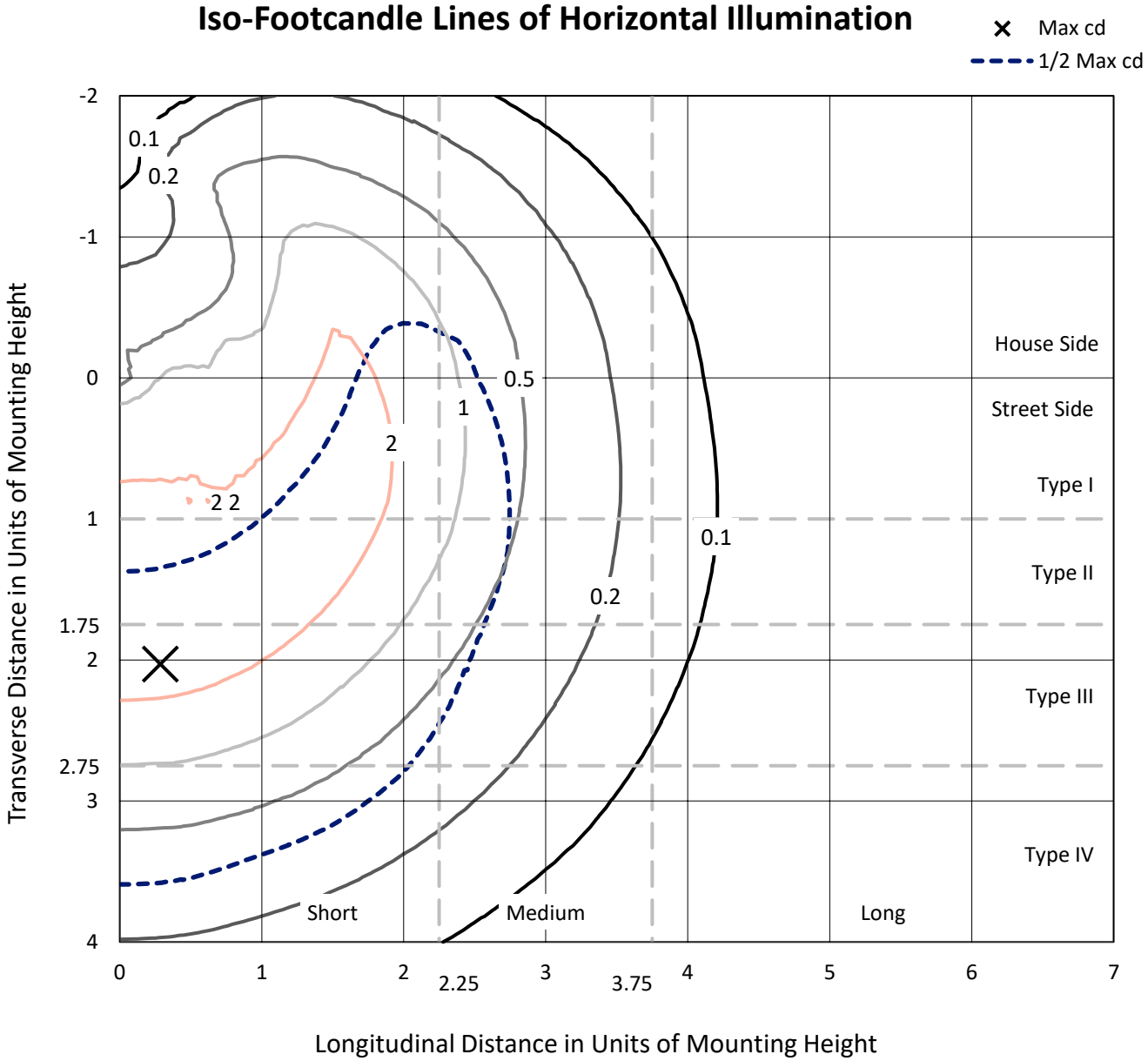


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Iso-Footcandle Lines of Horizontal Illumination



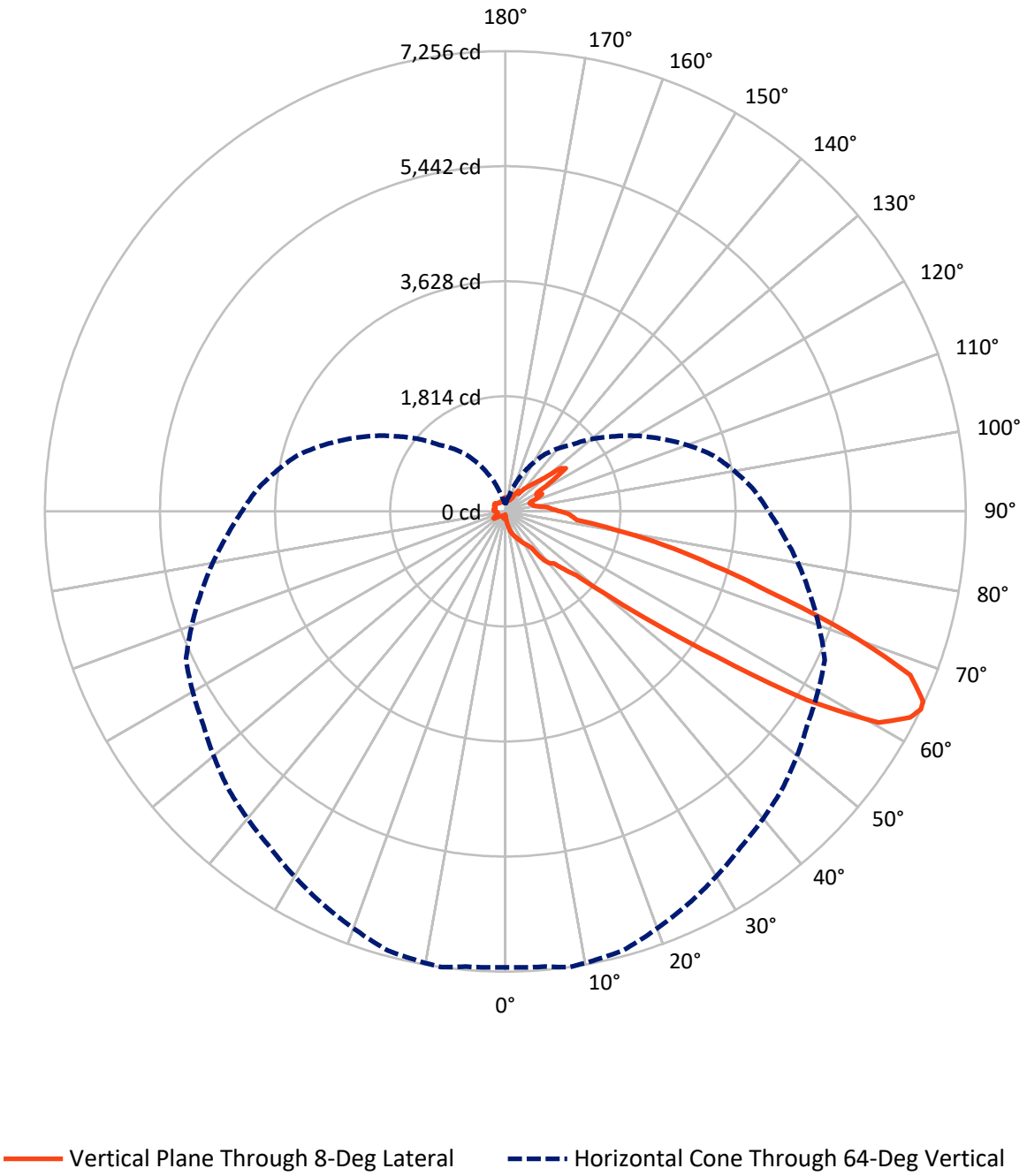
Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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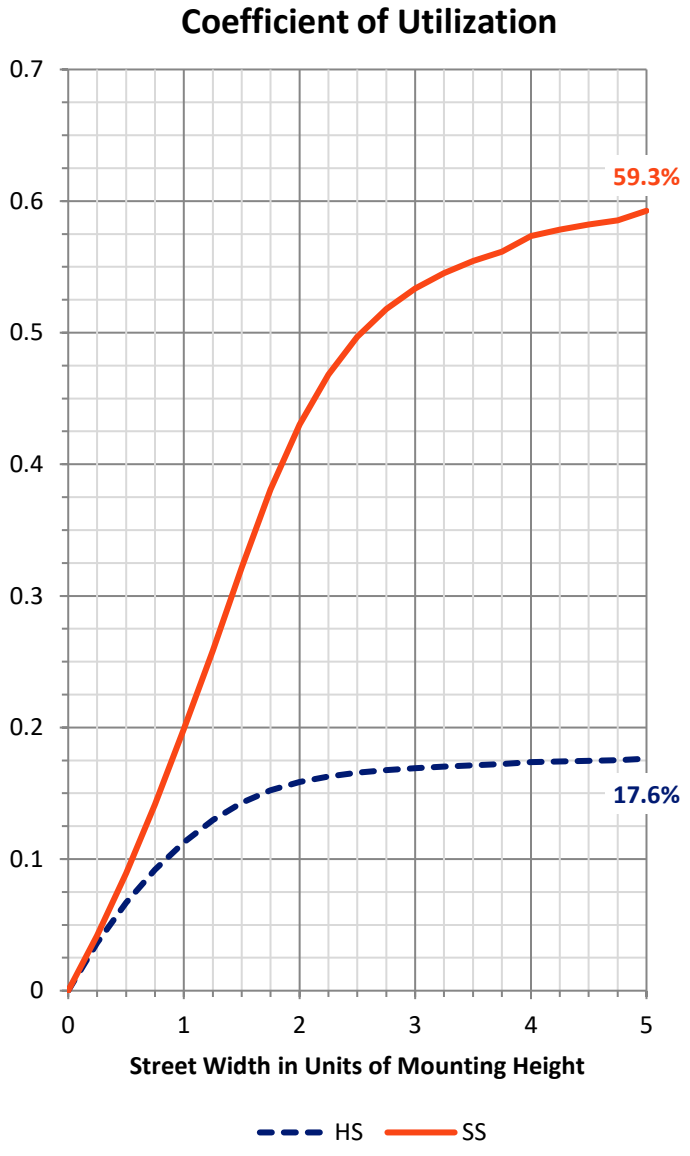
REPORT NUMBER: P1046220
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2218.1	828.6	3046.7
	% Fixture	18.3	6.8	25.1
Street Side	Lumens	7495.3	1586.6	9081.8
	% Fixture	61.8	13.1	74.9
Total	Lumens	9713.4	2415.2	12128.5
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.1
10°-20°	66.8	0.6
20°-30°	145.0	1.2
30°-40°	289.7	2.4
40°-50°	627.2	5.2
50°-60°	2174.1	17.9
60°-70°	3656.9	30.2
70°-80°	1988.6	16.4
80°-90°	752.8	6.2
90°-100°	475.0	3.9
100°-110°	320.4	2.6
110°-120°	346.7	2.9
120°-130°	570.5	4.7
130°-140°	351.4	2.9
140°-150°	183.8	1.5
150°-160°	95.7	0.8
160°-170°	52.1	0.4
170°-180°	19.6	0.2
0°-90°	9713.4	80.1
0°-180°	12128.5	100.0



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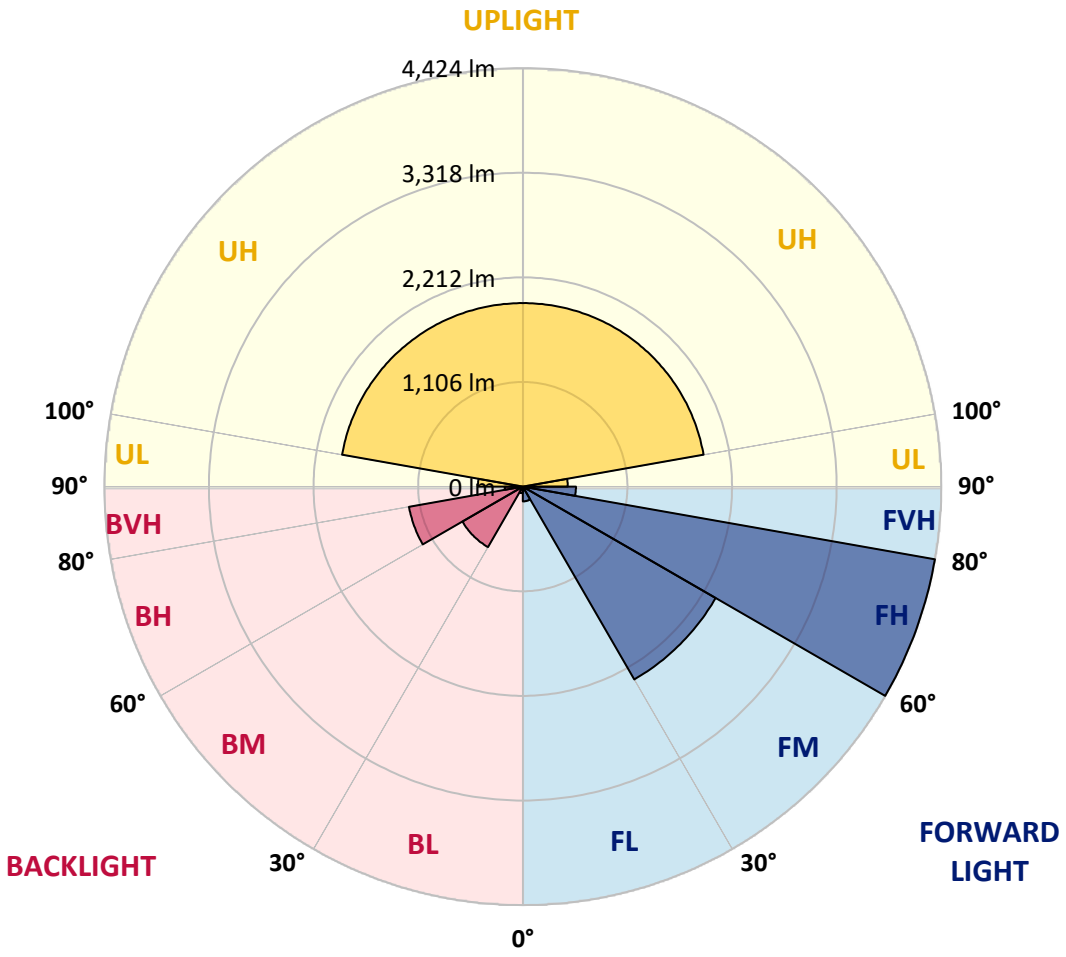
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	156.0	1.3			
FM	(30°-60°)	2353.7	19.4			
FH	(60°-80°)	4424.0	36.5			G2/5000
FVH	(80°-90°)	561.5	4.6			G4/750
BL	(0°-30°)	68.0	0.6	B0/110		
BM	(30°-60°)	737.3	6.1	B1/1000		
BH	(60°-80°)	1221.5	10.1	B3/2500		G3/2500
BVH	(80°-90°)	191.2	1.6			G2/225
UL	(90°-100°)	475.0	3.9		U3/500	
UH	(100°-180°)	1940.1	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°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2.5°	84.7	84.7	84.7	87.2	88.9	89.7	87.2	85.5	84.7	83.8	81.3
5°	121.6	122.4	122.4	124.9	123.3	124.9	121.6	119.1	114.9	109.8	105.6
7.5°	171.9	171.9	171.0	171.9	171.0	167.7	167.7	170.2	163.5	153.4	144.2
10°	233.1	234.8	233.9	230.6	225.5	221.4	221.4	224.7	214.6	197.0	183.6
12.5°	295.1	298.5	295.1	296.0	287.6	284.2	277.5	275.8	262.4	245.7	222.2
15°	341.2	343.8	344.6	347.1	346.3	335.4	323.6	311.1	300.2	285.1	260.8
17.5°	378.1	379.0	380.7	379.8	374.8	363.9	350.5	337.1	319.4	303.5	280.9
20°	414.2	417.5	416.7	415.9	413.4	405.0	389.0	369.8	354.7	331.2	307.7
22.5°	451.1	448.6	450.2	449.4	449.4	441.0	424.3	401.6	381.5	358.0	337.1
25°	493.8	493.0	493.8	491.3	488.0	483.8	462.8	436.8	414.2	389.9	360.5
27.5°	539.1	540.0	540.8	536.6	532.4	525.7	495.5	469.5	445.2	415.0	373.9
30°	589.4	586.9	587.8	581.9	579.4	558.4	529.1	498.0	471.2	431.0	390.7
32.5°	635.5	631.4	630.5	625.5	621.3	591.1	560.9	530.7	498.9	457.8	422.6
35°	700.1	708.5	705.1	705.1	716.0	669.9	634.7	605.4	571.0	528.2	491.3
37.5°	963.4	961.7	951.6	938.2	900.5	867.8	851.9	805.7	750.4	703.5	644.8
40°	1090.8	1085.8	1074.9	1048.1	1021.2	982.7	958.3	929.8	901.3	818.3	724.4
42.5°	1121.0	1116.8	1119.3	1151.2	1186.4	1157.9	1063.2	960.0	909.7	853.5	806.6
45°	1286.2	1300.4	1304.6	1303.8	1278.6	1248.4	1207.4	1145.3	1058.1	978.5	880.4
47.5°	1495.8	1494.1	1504.2	1490.8	1511.7	1458.9	1406.1	1341.5	1251.0	1142.8	1025.4
50°	2044.1	2026.5	2029.0	2034.1	2002.2	1963.6	1915.9	1879.8	1702.9	1549.5	1370.9
52.5°	2915.3	2917.8	2899.3	2898.5	2803.8	2729.1	2645.3	2648.7	2388.7	2182.5	1924.2
55°	4097.5	4099.2	4032.9	4087.4	3980.9	3970.9	3785.6	3546.6	3197.0	2916.1	2656.2
57.5°	5569.8	5620.1	5614.2	5517.0	5354.3	5266.3	4967.0	4716.3	4221.6	3780.6	3427.6
60°	6824.1	6800.6	6762.1	6688.3	6201.2	5996.6	5776.1	5562.3	5152.3	4541.9	4013.6
62.5°	7182.1	7164.5	7157.8	7120.9	6736.1	6399.0	6121.5	5771.9	5497.7	4899.0	4360.8
64°	7188.0	7203.9	7255.9	7167.9	6825.8	6466.1	6178.5	5821.3	5554.7	4964.4	4402.7
65°	7174.6	7171.2	7236.6	7125.1	6821.6	6462.8	6143.3	5801.2	5537.1	4946.8	4391.8
67.5°	6814.9	6800.6	6884.5	6741.1	6476.2	6152.5	5838.9	5471.7	5239.5	4672.7	4135.2
70°	5592.4	5591.6	5722.4	5602.5	5523.7	5180.8	4860.5	4523.4	4275.2	3809.9	3360.5
72.5°	4285.3	4277.8	4365.0	4275.2	4235.0	4073.2	3773.9	3476.2	3239.8	2891.0	2527.1
75°	3415.0	3418.3	3372.2	3284.2	3251.5	3179.4	3046.1	2868.3	2670.5	2353.5	2018.1
77.5°	2557.3	2540.5	2560.6	2437.4	2428.1	2406.3	2405.5	2291.5	2123.8	1921.7	1655.9
80°	1704.6	1714.6	1750.7	1718.0	1727.2	1719.7	1766.6	1645.9	1518.4	1399.4	1257.7
82.5°	1102.6	1129.4	1139.4	1184.7	1224.1	1241.7	1177.2	1055.6	976.0	932.4	869.5
85°	1058.1	1069.0	1063.2	1036.3	1022.9	1001.1	1000.3	961.7	920.6	836.8	734.5
87.5°	976.0	988.5	983.5	960.0	929.8	927.3	921.5	894.6	875.3	809.1	718.5
90°	832.6	833.4	837.6	833.4	827.5	823.4	789.8	773.9	762.1	705.1	643.9
92.5°	721.9	732.0	729.4	721.9	702.6	714.4	678.3	648.1	641.4	602.0	555.1
95°	663.2	669.9	671.6	658.2	639.7	635.5	607.9	584.4	573.5	547.5	490.5
97.5°	550.0	545.8	542.5	539.1	526.5	513.1	495.5	466.2	457.0	428.4	396.6
100°	469.5	471.2	469.5	467.0	456.1	449.4	436.8	413.4	403.3	384.8	363.0
102.5°	447.7	448.6	448.6	449.4	431.0	415.9	402.5	385.7	376.5	360.5	339.6
105°	427.6	427.6	429.3	430.1	411.7	389.9	370.6	361.4	357.2	338.7	316.9
107.5°	402.5	401.6	404.1	393.2	374.8	365.6	345.4	334.5	332.9	318.6	296.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	8°	15°	25°	35°	45°	55°	65°	75°	85°
110°	439.3	430.1	*428.4*	401.6	376.5	355.5	345.4	335.4	329.5	310.2	296.0
112.5°	575.2	562.6	*559.2*	534.1	446.1	438.5	429.3	425.9	422.6	396.6	372.3
115°	633.9	633.9	*643.9*	633.9	572.7	503.1	493.0	477.9	483.8	451.9	416.7
117.5°	507.3	542.5	*552.5*	522.4	524.9	480.4	411.7	388.2	376.5	367.2	383.2
120°	569.3	592.8	*582.7*	527.4	502.2	476.2	479.6	471.2	429.3	371.4	377.3
122.5°	848.5	870.3	*877.9*	882.0	893.8	876.2	836.8	781.4	739.5	669.9	630.5
125°	1188.1	1172.1	*1170.5*	1178.0	1187.2	1164.6	1147.8	1136.9	1110.9	1019.6	891.3
127.5°	1090.8	1083.3	*1095.9*	1094.2	1116.8	1078.2	1070.7	1076.6	1066.5	1015.4	940.7
130°	782.3	795.7	*804.9*	835.1	879.5	845.2	813.3	765.5	762.1	787.3	747.9
132.5°	656.5	662.4	*679.1*	718.5	752.1	737.8	690.9	644.8	641.4	662.4	659.0
135°	580.2	584.4	*586.9*	588.6	582.7	596.1	586.1	569.3	558.4	559.2	549.2
137.5°	518.2	519.8	*518.2*	504.7	488.8	486.3	511.5	512.3	502.2	484.6	471.2
140°	449.4	449.4	*442.7*	433.5	431.0	431.8	446.1	448.6	436.8	422.6	402.5
142.5°	351.3	347.1	*348.0*	363.0	389.9	384.0	365.6	342.1	338.7	355.5	348.8
145°	379.8	379.0	*376.5*	377.3	370.6	359.7	353.0	345.4	332.0	321.1	310.2
147.5°	383.2	379.8	*381.5*	378.1	374.8	369.8	367.2	370.6	367.2	359.7	345.4
150°	302.7	304.4	*306.0*	301.8	305.2	306.9	305.2	302.7	306.9	297.6	291.8
152.5°	236.4	235.6	*234.8*	236.4	235.6	239.0	239.8	239.0	237.3	236.4	227.2
155°	222.2	224.7	*223.0*	218.0	221.4	223.9	227.2	229.7	227.2	223.0	214.6
157.5°	204.6	204.6	*204.6*	204.6	205.4	206.3	210.5	212.1	212.1	209.6	203.7
160°	190.3	191.2	*191.2*	191.2	192.8	194.5	197.0	198.7	200.4	198.7	195.4
162.5°	181.9	181.1	*181.1*	181.9	181.9	184.5	187.0	190.3	191.2	189.5	189.5
165°	176.9	176.9	*176.9*	177.8	179.4	181.1	184.5	185.3	186.1	187.8	187.8
167.5°	182.8	182.8	*182.8*	183.6	185.3	187.8	189.5	191.2	194.5	195.4	195.4
170°	192.0	192.0	*192.0*	192.8	193.7	194.5	195.4	197.0	197.9	199.6	198.7
172.5°	201.2	200.4	*201.2*	201.2	201.2	201.2	201.2	202.1	202.9	202.9	202.9
175°	211.3	211.3	*212.1*	211.3	209.6	209.6	209.6	210.5	210.5	210.5	209.6
177.5°	221.4	221.4	*220.5*	221.4	220.5	219.7	218.8	218.0	216.3	216.3	214.6
180°	215.5	215.5	*215.5*	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2.5°	79.7	76.3	72.1	67.1	62.0	58.7	55.3	51.1	48.6	47.8	47.8
5°	100.6	98.1	93.9	87.2	83.0	75.5	68.8	64.6	60.4	56.2	52.8
7.5°	140.9	140.0	142.5	147.6	140.9	123.3	104.8	94.7	95.6	100.6	103.1
10°	176.9	171.9	172.7	184.5	173.6	140.0	114.9	105.6	110.7	120.7	122.4
12.5°	214.6	207.1	201.2	198.7	174.4	136.7	114.0	103.1	105.6	114.0	114.0
15°	249.0	239.8	226.4	208.8	180.3	146.7	119.1	103.1	103.1	102.3	100.6
17.5°	268.3	258.2	233.9	206.3	175.2	145.1	116.5	100.6	92.2	85.5	84.7
20°	298.5	293.5	262.4	223.0	180.3	141.7	112.4	96.4	87.2	82.2	80.5
22.5°	327.8	313.6	273.3	233.1	184.5	140.9	110.7	95.6	87.2	83.0	81.3
25°	343.8	326.2	285.9	244.8	190.3	141.7	112.4	97.3	88.0	83.8	83.0
27.5°	356.3	337.9	300.2	255.7	197.9	145.1	117.4	99.8	89.7	84.7	83.8
30°	373.1	355.5	316.9	269.1	204.6	152.6	123.3	104.0	92.2	87.2	86.4
32.5°	405.0	383.2	337.9	280.9	213.0	160.1	130.8	110.7	96.4	88.9	88.9
35°	471.2	447.7	387.4	312.7	222.2	166.0	135.8	114.9	99.8	91.4	90.6
37.5°	610.4	581.0	507.3	391.6	244.8	174.4	141.7	117.4	101.5	93.9	92.2
40°	677.5	623.0	540.0	437.7	282.6	187.8	150.9	123.3	104.0	94.7	93.9
42.5°	758.8	713.5	599.5	449.4	313.6	218.8	166.9	131.6	109.0	96.4	95.6
45°	838.4	794.0	692.6	546.7	377.3	267.5	192.8	145.9	116.5	100.6	98.1
47.5°	977.6	904.7	783.1	639.7	464.5	338.7	237.3	166.0	129.1	105.6	102.3
50°	1322.2	1274.4	1088.3	868.6	604.5	441.0	322.8	213.0	143.4	109.0	104.0
52.5°	1783.4	1692.8	1481.5	1212.4	877.0	654.8	472.0	316.1	176.1	112.4	105.6
55°	2513.7	2372.8	2129.7	1663.5	1258.5	992.7	738.7	519.0	268.3	119.9	106.5
57.5°	3294.3	3166.8	2876.7	2299.0	1705.4	1264.4	972.6	732.8	376.5	136.7	115.7
60°	3816.6	3594.4	3263.2	2704.8	2061.7	1486.6	1088.3	768.9	390.7	140.0	120.7
62.5°	4115.9	3886.2	3396.5	2755.1	2125.5	1536.0	1138.6	704.3	311.9	135.8	125.8
64°	*4151.2*	*3929.8*	*3398.2*	*2707.3*	*2057.5*	*1484.9*	*1103.4*	*660.7*	*270.8*	*134.2*	*128.3*
65°	4123.5	3918.9	3357.1	2650.3	1966.2	1418.7	1061.5	617.1	240.6	132.5	129.1
67.5°	3854.3	3674.9	3086.3	2403.8	1748.2	1225.0	871.1	474.6	188.7	129.1	127.4
70°	3121.5	3039.4	2537.1	1939.3	1381.8	976.8	686.7	363.0	160.1	125.8	124.1
72.5°	2341.8	2237.8	1893.2	1479.9	1076.6	759.6	521.5	279.2	141.7	122.4	120.7
75°	1877.3	1775.8	1500.8	1165.4	800.7	567.6	385.7	208.8	133.3	121.6	119.9
77.5°	1552.0	1470.6	1234.2	887.1	569.3	406.6	283.4	170.2	130.8	122.4	120.7
80°	1193.9	1180.5	964.2	645.6	403.3	303.5	228.9	159.3	131.6	125.8	124.1
82.5°	837.6	804.1	680.8	480.4	348.8	277.5	219.7	161.8	138.3	133.3	132.5
85°	690.0	664.1	582.7	462.0	332.0	268.3	217.2	166.0	145.1	140.9	139.2
87.5°	682.5	654.0	576.9	441.9	315.3	255.7	207.1	161.8	144.2	141.7	143.4
90°	619.6	598.7	527.4	407.5	312.7	259.9	216.3	178.6	160.1	151.8	150.1
92.5°	542.5	529.9	479.6	395.7	324.5	275.0	235.6	197.9	181.1	176.1	173.6
95°	473.7	468.7	427.6	359.7	299.3	259.1	223.0	190.3	176.1	169.4	168.5
97.5°	388.2	382.3	350.5	306.0	261.6	228.1	201.2	176.1	166.0	165.2	164.3
100°	354.7	350.5	327.8	299.3	264.1	239.0	215.5	194.5	186.1	186.1	187.0
102.5°	327.8	325.3	305.2	275.8	248.2	224.7	205.4	186.1	176.1	176.1	170.2
105°	306.0	301.8	283.4	259.9	231.4	209.6	191.2	176.9	166.0	162.7	162.7
107.5°	286.7	281.7	266.6	244.0	223.0	202.1	185.3	171.9	164.3	161.8	161.8

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

Scaled Data Report

REPORT NUMBER: P1046220
CATALOG NUMBER: FFX-CLB-80-750-U-FR-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	287.6	283.4	265.8	241.5	222.2	206.3	192.8	180.3	173.6	168.5	168.5
112.5°	353.8	336.2	305.2	269.1	247.3	226.4	205.4	187.8	179.4	177.8	176.1
115°	400.8	383.2	344.6	297.6	258.2	228.9	207.9	194.5	187.0	192.0	194.5
117.5°	402.5	370.6	296.8	274.2	245.7	221.4	207.1	198.7	193.7	198.7	198.7
120°	410.0	345.4	306.0	296.8	263.3	228.9	213.0	211.3	206.3	196.2	196.2
122.5°	609.6	550.9	488.0	408.3	338.7	306.0	277.5	228.1	204.6	193.7	192.8
125°	840.1	778.9	680.8	574.3	473.7	368.9	274.2	233.9	209.6	196.2	193.7
127.5°	892.9	845.2	716.0	588.6	446.1	343.8	275.0	240.6	216.3	202.1	199.6
130°	720.2	682.5	595.3	491.3	392.4	317.8	268.3	233.9	210.5	196.2	192.8
132.5°	640.6	605.4	519.8	425.1	348.0	290.1	245.7	212.1	188.7	178.6	178.6
135°	535.8	511.5	435.2	379.0	323.6	275.0	231.4	200.4	181.1	175.2	175.2
137.5°	459.5	440.2	385.7	341.2	298.5	256.6	218.8	193.7	180.3	174.4	173.6
140°	393.2	380.7	348.8	305.2	264.1	223.0	193.7	179.4	173.6	171.0	170.2
142.5°	342.1	332.9	304.4	259.1	218.8	193.7	182.8	178.6	172.7	166.9	166.0
145°	299.3	291.8	259.1	233.1	213.8	203.7	195.4	182.8	168.5	161.0	160.1
147.5°	336.2	324.5	296.0	265.8	234.8	211.3	192.8	176.1	162.7	157.6	157.6
150°	289.3	280.9	263.3	239.8	213.8	192.0	176.1	165.2	160.1	159.3	159.3
152.5°	224.7	220.5	215.5	203.7	187.0	172.7	162.7	157.6	159.3	162.7	163.5
155°	211.3	209.6	204.6	193.7	182.8	169.4	161.0	158.5	161.0	164.3	165.2
157.5°	201.2	200.4	196.2	186.1	176.1	167.7	161.8	160.1	162.7	165.2	165.2
160°	192.8	192.0	186.1	178.6	171.0	165.2	161.0	161.0	163.5	165.2	165.2
162.5°	187.8	187.0	182.8	176.9	171.9	168.5	167.7	167.7	168.5	169.4	169.4
165°	187.8	187.0	182.8	177.8	174.4	174.4	176.1	176.9	174.4	172.7	173.6
167.5°	195.4	193.7	188.7	184.5	183.6	184.5	187.0	187.0	185.3	182.8	181.9
170°	197.9	197.0	195.4	193.7	193.7	193.7	194.5	195.4	195.4	196.2	196.2
172.5°	202.9	202.9	202.1	202.1	202.9	202.1	202.1	203.7	205.4	206.3	207.1
175°	209.6	208.8	209.6	209.6	210.5	209.6	208.8	210.5	213.0	214.6	214.6
177.5°	214.6	214.6	213.8	213.0	213.0	213.0	213.0	213.8	213.8	213.8	213.0
180°	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5

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: SP1-2501-332-5

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

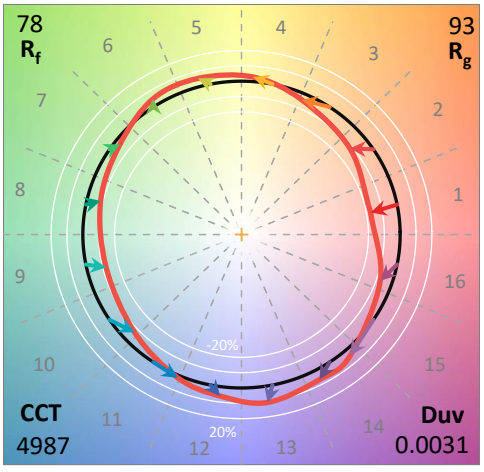
Test Information

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

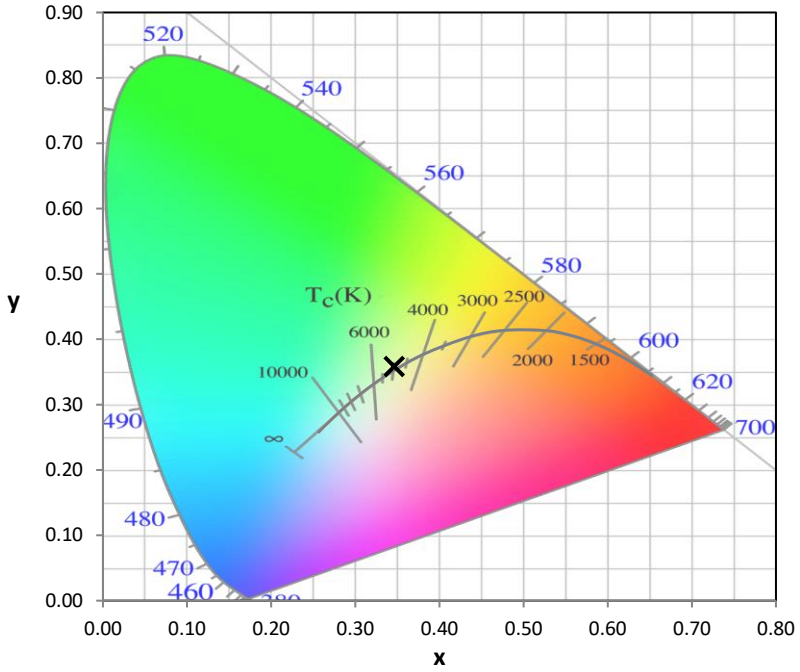
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

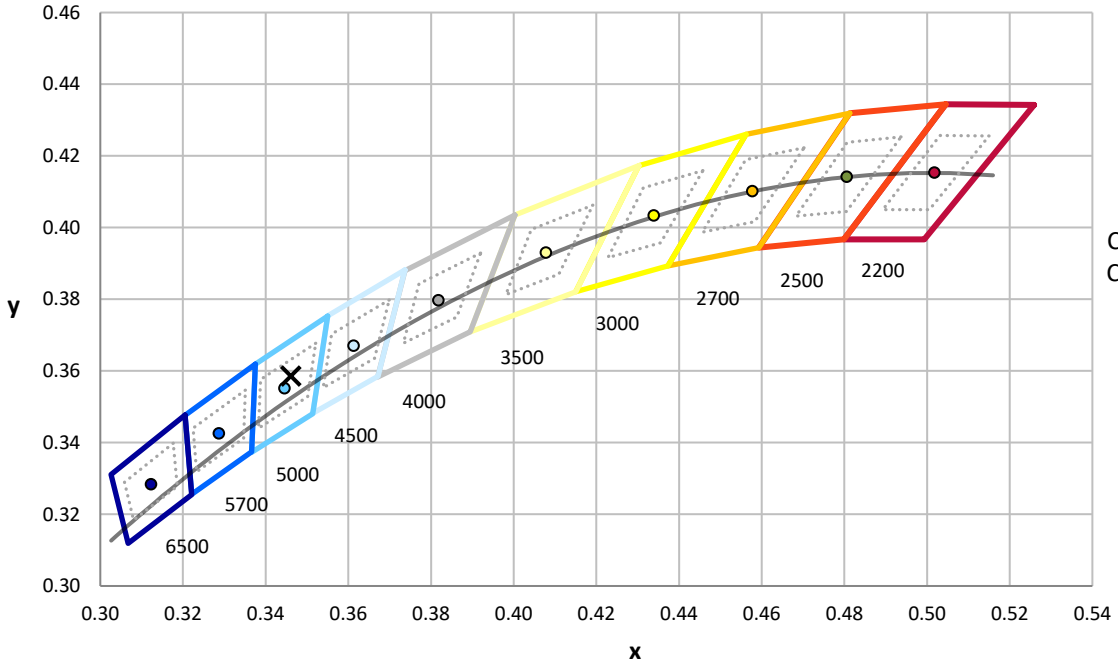
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

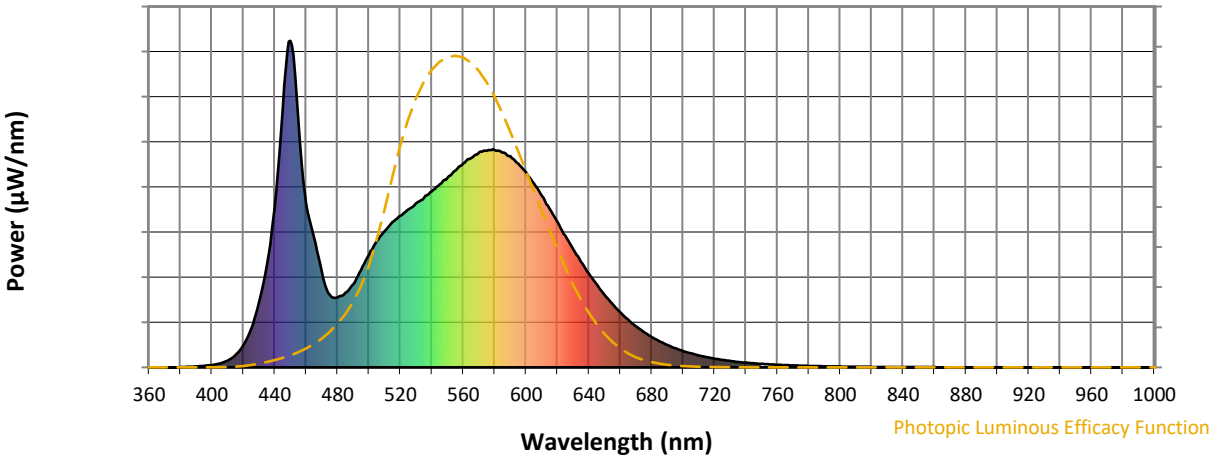


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

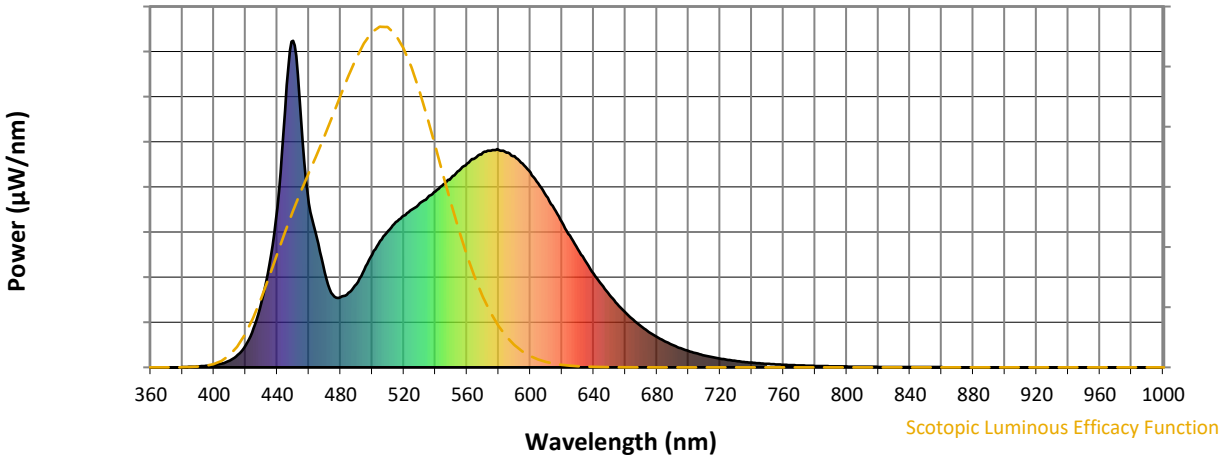


Photopic Lumens: NR

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

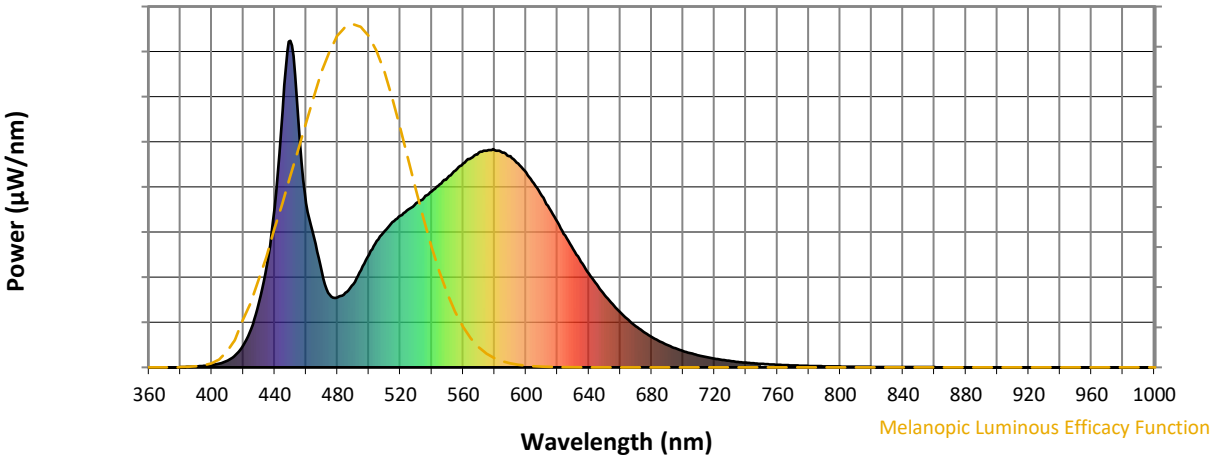


Scotopic Lumens: NR **S/P: 1.87**

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			

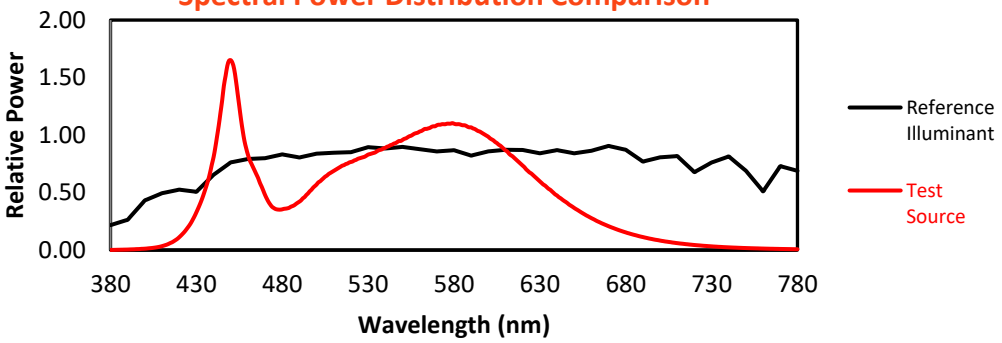
REPORT NUMBER: SP1-2501-332-5

TM-30-18

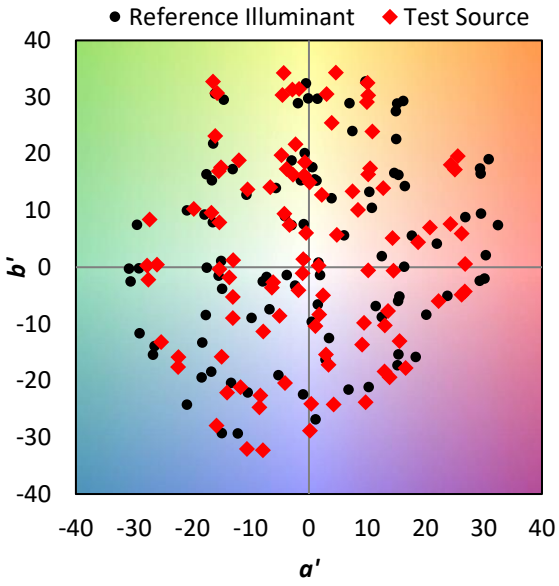
Summary

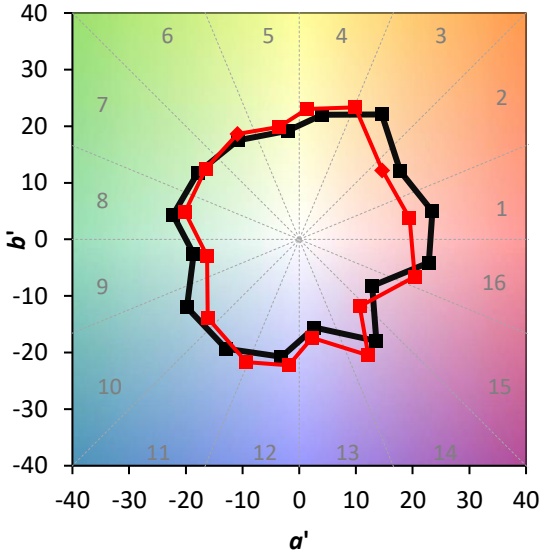
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

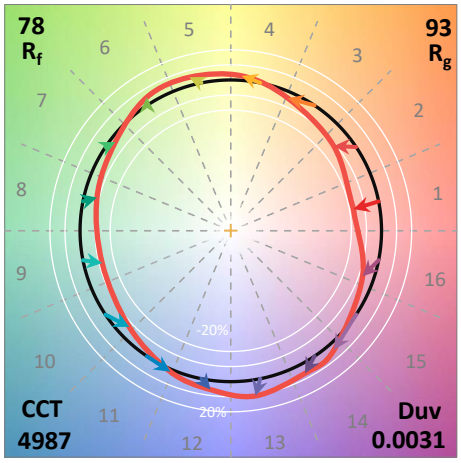
Spectral Power Distribution Comparison

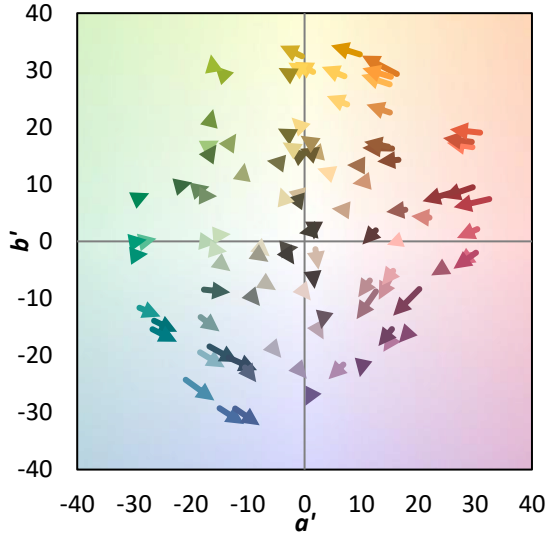


Color Vector Graphics







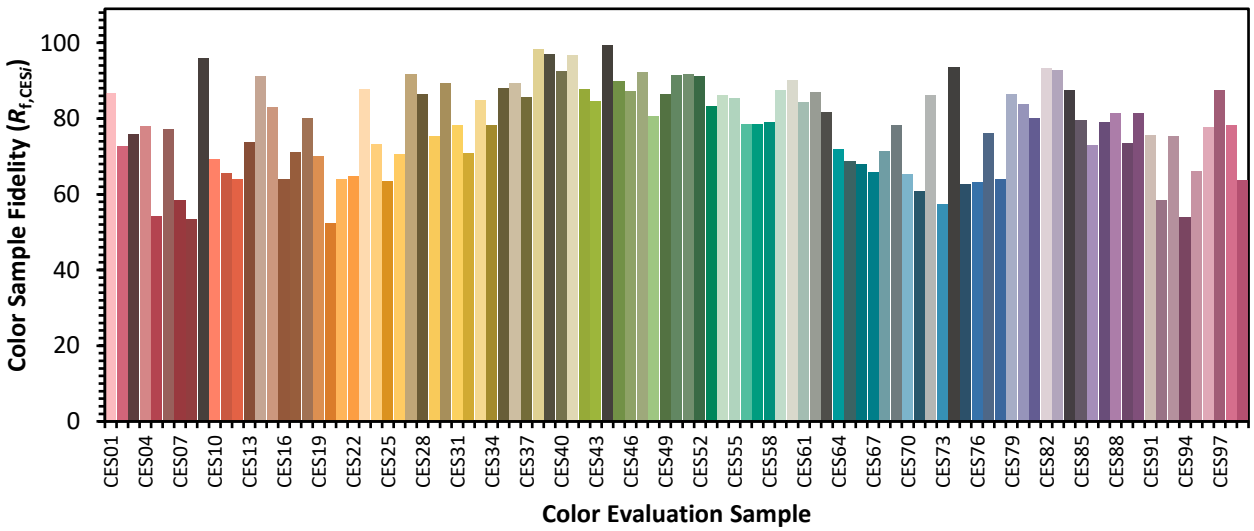


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

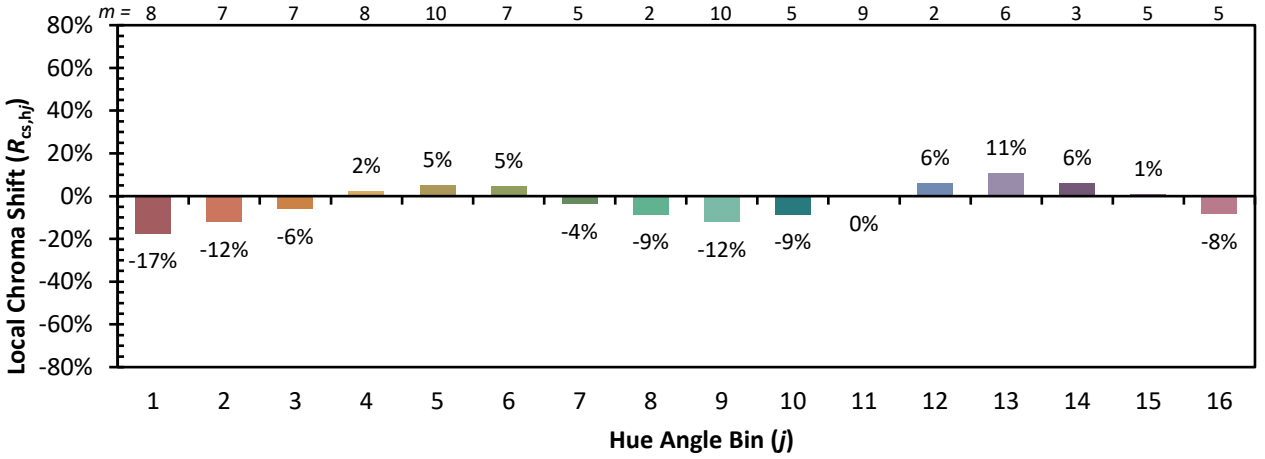
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57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

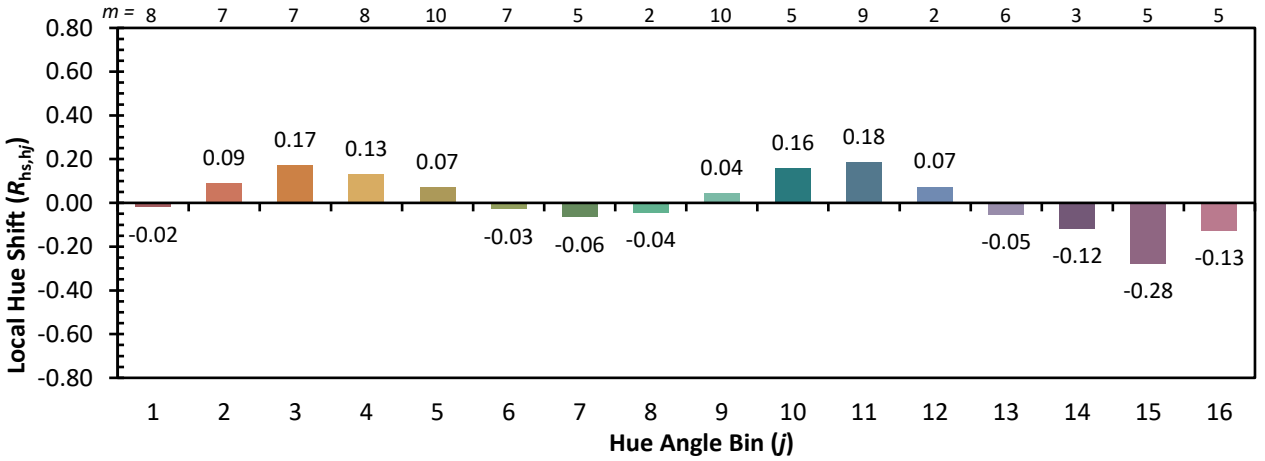


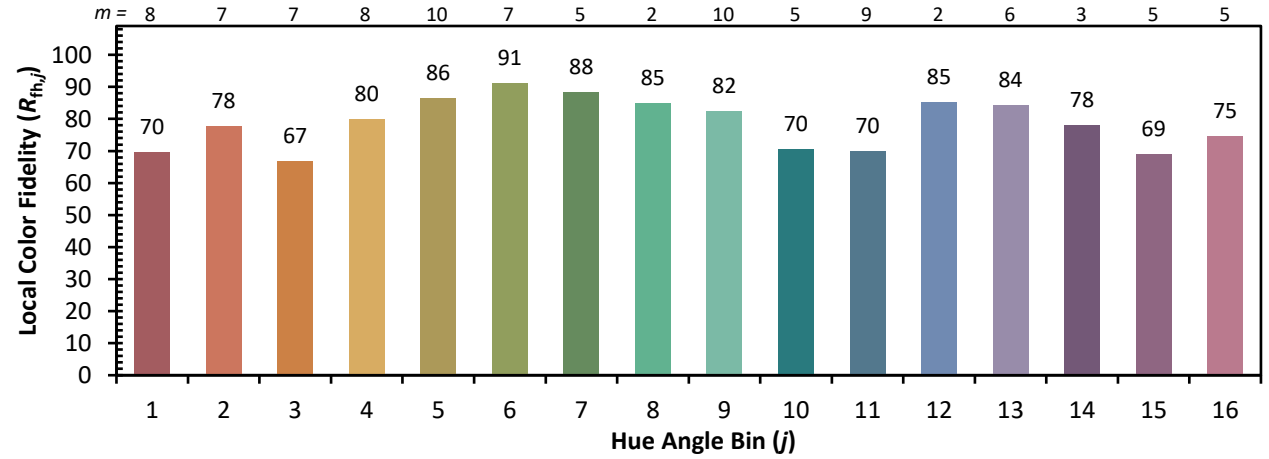
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Color Rendition by Hue-Angle Bin



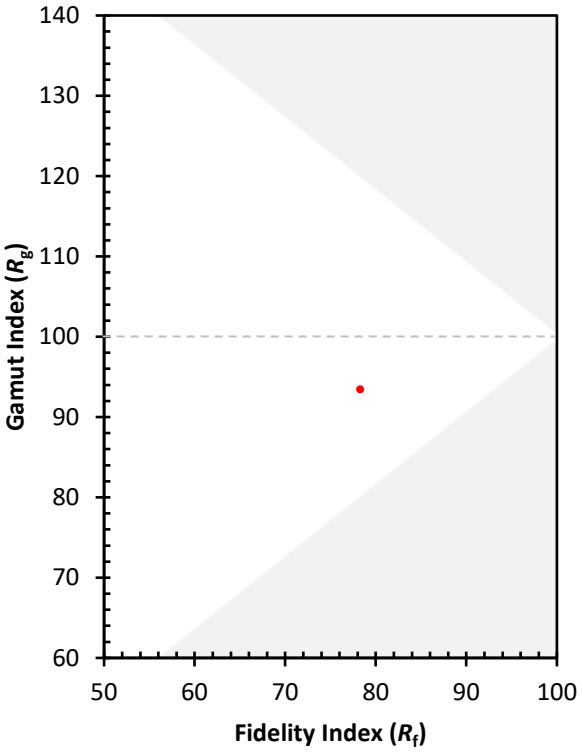


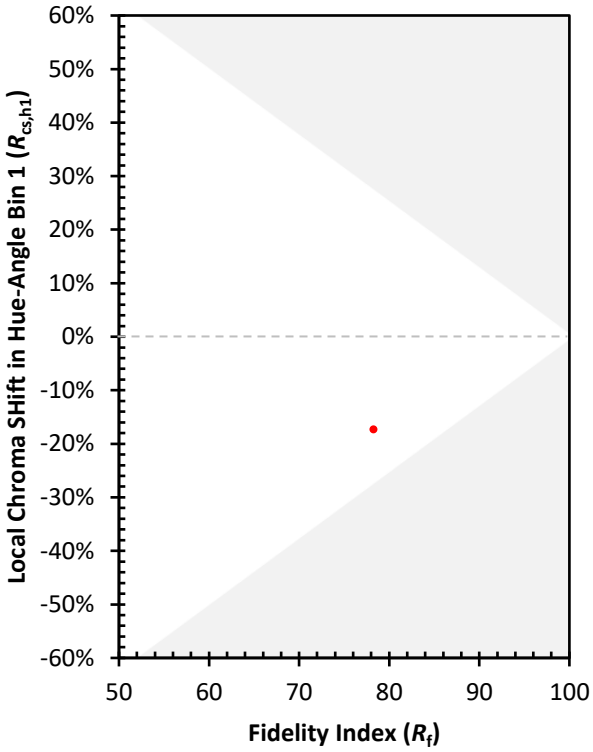


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Measure Comparisons





(END OF REPORT)