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: P1046400

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

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:	P1046400
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
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T4 DISTRIBUTION
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13183.2 lumens
Efficiency:	N/A
Efficacy:	161.2 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

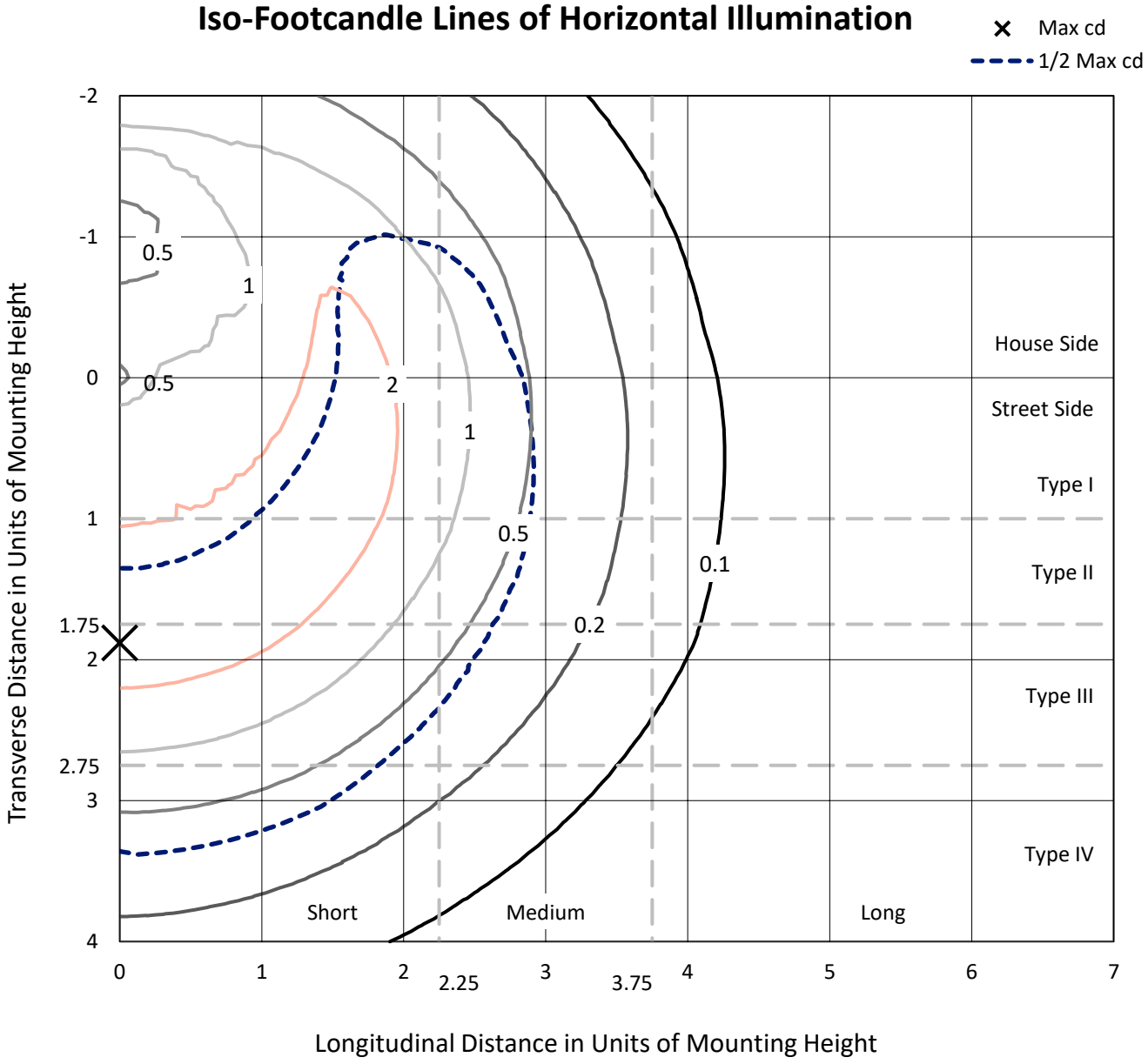


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Iso-Footcandle Lines of Horizontal Illumination



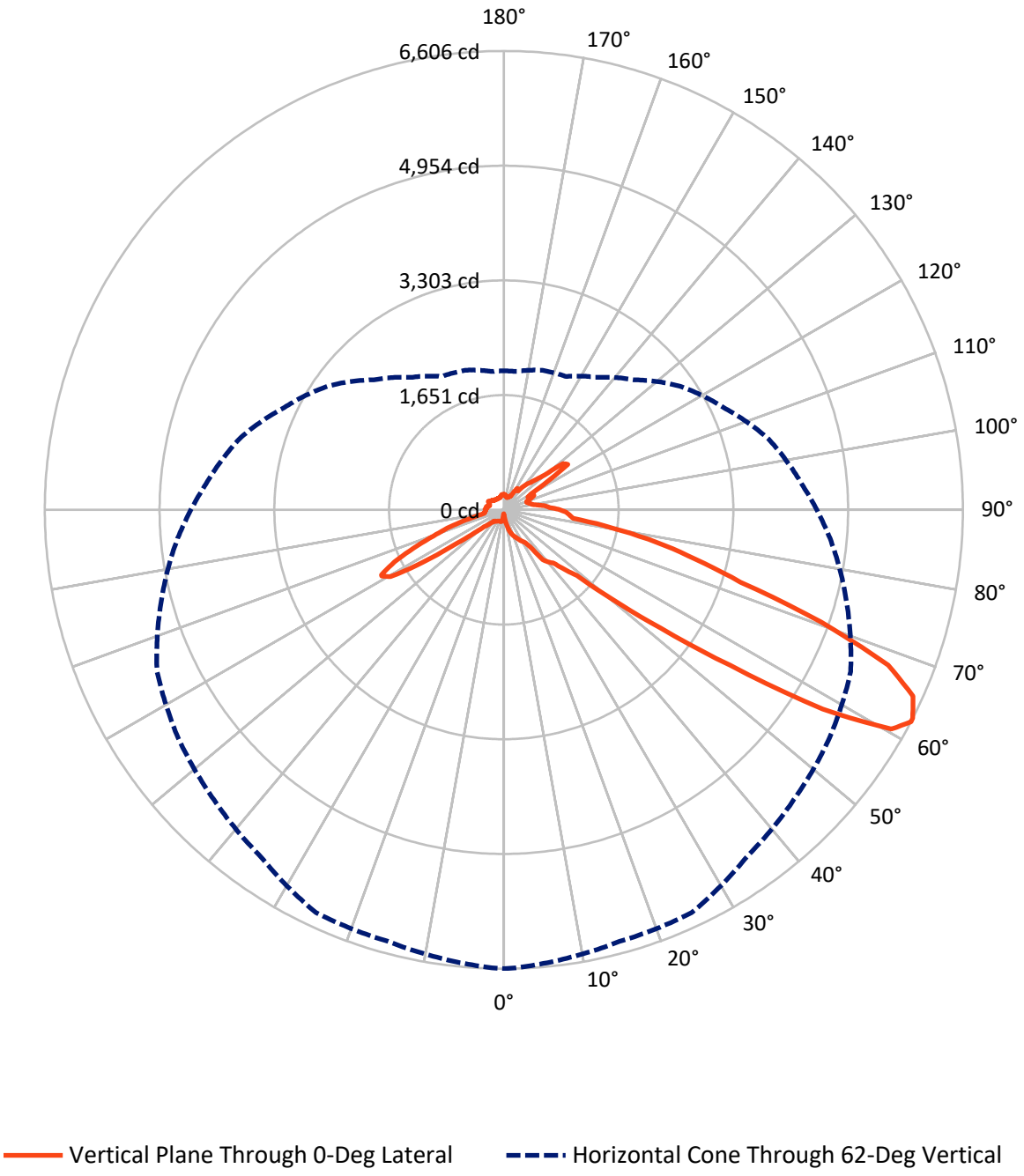
Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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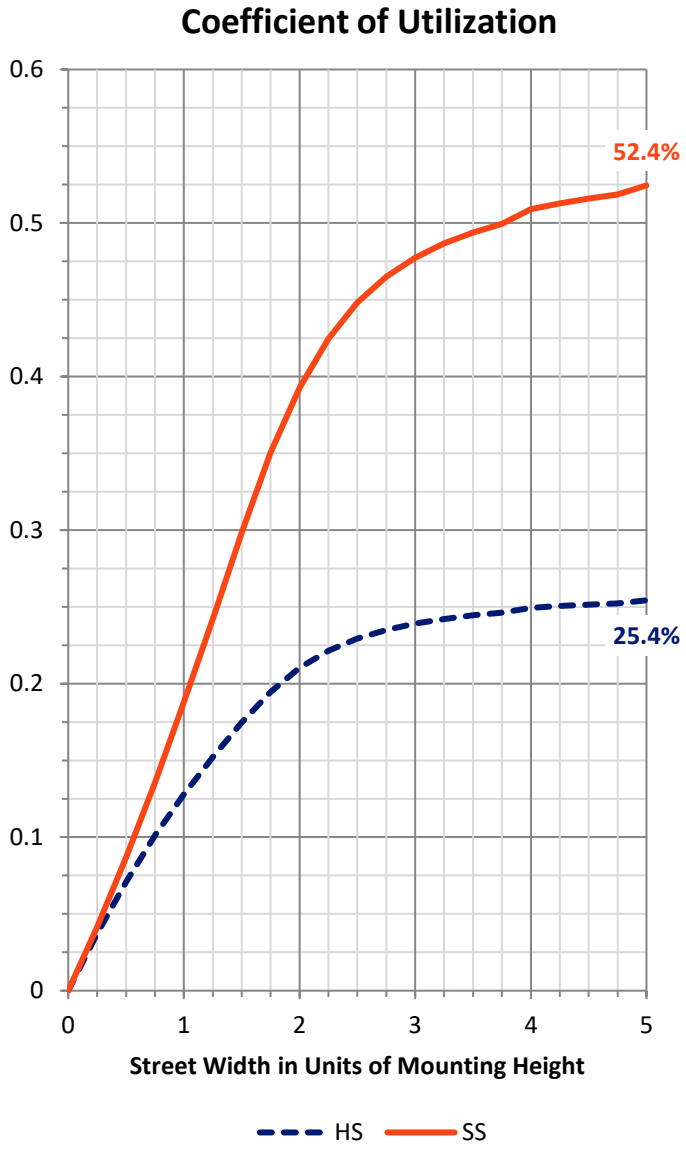
REPORT NUMBER: P1046400
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3468.7	991.1	4459.7
	% Fixture	26.3	7.5	33.8
Street Side	Lumens	7201.2	1522.3	8723.4
	% Fixture	54.6	11.5	66.2
Total	Lumens	10669.8	2513.4	13183.2
	% Fixture	80.9	19.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.1
10°-20°	73.2	0.6
20°-30°	158.3	1.2
30°-40°	317.0	2.4
40°-50°	694.3	5.3
50°-60°	2431.1	18.4
60°-70°	4068.7	30.9
70°-80°	2111.8	16.0
80°-90°	802.0	6.1
90°-100°	511.5	3.9
100°-110°	339.0	2.6
110°-120°	354.1	2.7
120°-130°	591.7	4.5
130°-140°	356.1	2.7
140°-150°	188.3	1.4
150°-160°	99.0	0.8
160°-170°	53.7	0.4
170°-180°	20.1	0.2
0°-90°	10669.8	80.9
0°-180°	13183.2	100.0



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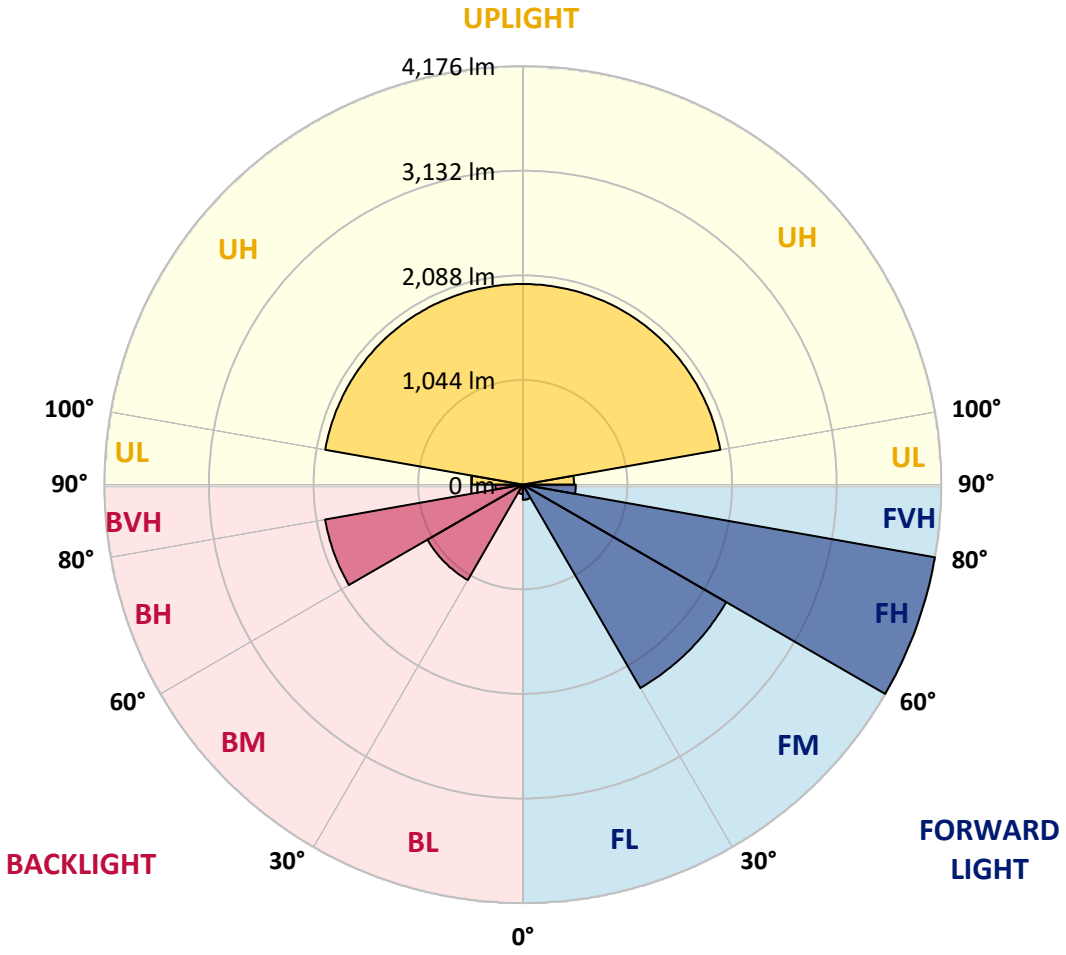
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	151.9	1.2			
FM	(30°-60°)	2343.8	17.8			
FH	(60°-80°)	4176.5	31.7			G2/5000
FVH	(80°-90°)	529.0	4.0			G4/750
BL	(0°-30°)	92.9	0.7	B0/110		
BM	(30°-60°)	1098.7	8.3	B2/2500		
BH	(60°-80°)	2004.0	15.2	B3/2500		G3/2500
BVH	(80°-90°)	273.0	2.1			G3/500
UL	(90°-100°)	511.5	3.9		U4/1000	
UH	(100°-180°)	2001.9	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°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	83.0	81.3	81.3	84.7	88.9	88.9	89.7	87.2	87.2	86.4	87.2
5°	120.8	117.4	119.1	119.9	121.6	123.3	125.0	125.0	121.6	119.1	112.4
7.5°	168.6	167.7	169.4	168.6	166.9	171.1	173.6	179.5	181.1	170.2	156.8
10°	217.2	214.7	213.9	214.7	215.5	213.0	218.0	222.2	216.4	203.8	192.0
12.5°	270.0	270.0	270.0	269.2	269.2	268.4	266.7	265.8	260.0	245.7	227.3
15°	328.7	329.6	331.3	330.4	326.2	319.5	314.5	310.3	306.9	296.9	273.4
17.5°	364.8	363.1	364.8	364.0	362.3	358.1	348.9	340.5	329.6	315.3	297.7
20°	398.4	397.5	396.7	396.7	395.0	390.0	384.1	370.7	356.4	341.3	321.2
22.5°	424.3	422.7	424.3	423.5	422.7	421.0	410.9	399.2	383.3	366.5	345.5
25°	457.9	457.1	457.9	455.4	455.4	452.9	447.0	431.9	414.3	395.8	369.8
27.5°	494.8	492.3	494.8	494.0	490.6	483.9	478.9	462.1	440.3	422.7	399.2
30°	525.8	525.8	527.5	522.5	525.8	520.0	508.2	489.8	471.3	448.7	424.3
32.5°	558.5	558.5	556.9	556.0	560.2	552.7	539.2	517.4	502.3	478.9	457.9
35°	649.9	643.2	654.1	653.3	674.3	659.2	634.0	604.7	581.2	551.0	523.3
37.5°	912.4	909.1	904.0	872.2	835.3	841.1	845.3	812.6	783.3	728.8	664.2
40°	987.1	986.2	985.4	966.9	977.0	950.2	936.8	920.0	914.9	843.7	757.3
42.5°	1048.3	1038.2	1048.3	1081.8	1134.7	1116.2	1048.3	961.1	945.1	877.2	842.0
45°	1214.3	1207.6	1224.4	1234.5	1217.7	1187.5	1206.8	1143.1	1099.4	1003.0	938.4
47.5°	1413.1	1406.4	1422.3	1430.7	1465.1	1433.2	1418.1	1363.6	1290.7	1199.2	1115.4
50°	2006.0	1930.5	1991.8	1970.8	1979.2	1907.9	1936.4	1858.4	1793.0	1642.9	1491.1
52.5°	2832.1	2806.9	2765.0	2718.0	2754.1	2677.8	2701.2	2616.5	2498.3	2323.9	2099.9
55°	3950.0	3865.3	3892.1	3988.5	3968.4	3831.7	3808.2	3601.9	3389.8	3128.9	2893.3
57.5°	5412.5	5370.6	5322.0	5257.4	5194.5	5052.8	4983.2	4752.5	4423.0	4059.0	3731.1
60°	6408.0	6374.5	6352.7	6155.6	6039.8	5754.7	5690.1	5530.0	5236.4	4840.6	4388.6
62°	6605.9	6600.9	6556.4	6434.0	6399.6	6097.7	5901.5	5722.8	5507.3	5105.6	4712.3
62.5°	6604.2	6594.2	6568.2	6465.9	6430.6	6148.0	5935.0	5745.5	5530.8	5136.6	4750.0
65°	6470.1	6447.4	6435.7	6374.5	6358.5	6192.5	5909.9	5714.5	5534.1	5099.7	4777.7
67.5°	5965.2	5992.0	5993.7	5932.5	5879.7	5780.7	5510.7	5341.3	5217.1	4764.3	4460.7
70°	4842.3	4806.2	4769.3	4797.8	4774.3	4720.7	4506.0	4293.0	4137.8	3900.5	3612.8
72.5°	3559.2	3616.2	3615.4	3623.7	3627.9	3492.9	3397.3	3274.9	3191.0	2985.5	2780.1
75°	2853.0	2858.1	2842.1	2783.4	2720.5	2642.5	2659.3	2648.4	2608.2	2390.9	2187.2
77.5°	2252.6	2197.2	2219.9	2127.6	2046.3	2045.4	2078.1	2110.0	2127.6	1953.2	1795.5
80°	1585.9	1573.3	1553.1	1561.5	1494.4	1512.1	1528.0	1549.8	1515.4	1412.3	1339.3
82.5°	1001.3	990.4	974.5	1051.6	1116.2	1102.0	1050.8	968.6	949.3	956.9	940.1
85°	946.8	946.0	931.7	924.2	914.1	891.5	904.0	921.7	911.6	854.6	780.8
87.5°	894.0	891.5	880.6	876.4	857.1	854.6	866.3	873.0	877.2	826.1	764.0
90°	783.3	773.2	763.2	771.5	769.0	770.7	774.1	772.4	774.1	713.7	687.7
92.5°	653.3	650.8	643.2	647.4	653.3	676.8	666.7	650.8	648.3	623.9	598.8
95°	596.3	597.9	588.7	594.6	596.3	596.3	589.6	582.0	576.1	556.9	534.2
97.5°	494.0	486.4	483.1	487.2	488.9	483.1	478.9	466.3	465.4	446.2	435.3
100°	420.2	418.5	416.8	421.8	423.5	421.0	421.8	414.3	413.4	402.5	390.8
102.5°	392.5	391.6	390.8	395.0	396.7	395.0	392.5	384.9	386.6	374.9	366.5
105°	370.7	370.7	369.8	372.4	367.3	364.8	361.5	361.5	363.1	353.9	341.3
107.5°	346.4	345.5	346.4	345.5	339.6	337.1	336.3	333.8	339.6	334.6	321.2

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*350.5*	350.5	349.7	340.5	337.1	332.9	331.3	335.5	333.8	325.4	317.0
112.5°	*429.4*	424.3	427.7	415.1	409.3	412.6	414.3	417.6	424.3	410.9	398.4
115°	*479.7*	480.5	488.9	488.9	476.3	482.2	482.2	481.4	488.1	478.0	465.4
117.5°	*391.6*	396.7	423.5	406.7	410.9	414.3	393.3	385.8	384.1	386.6	413.4
120°	*451.2*	444.5	469.6	416.8	400.9	400.9	416.0	435.3	414.3	382.4	390.8
122.5°	*738.0*	738.8	739.7	762.3	759.8	766.5	754.8	739.7	696.1	696.9	657.5
125°	*1129.6*	1118.7	1118.7	1108.7	1107.0	1091.1	1111.2	1123.8	1090.2	1033.2	971.1
127.5°	*1081.0*	1104.5	1096.1	1070.9	1046.6	1038.2	1061.7	1101.1	1081.8	1031.5	974.5
130°	*767.3*	773.2	771.5	798.4	805.1	796.7	805.1	776.6	780.8	792.5	762.3
132.5°	*643.2*	639.9	651.6	688.5	702.8	686.0	662.5	641.6	642.4	667.6	665.9
135°	*554.3*	551.8	560.2	561.9	577.8	564.4	543.4	543.4	548.5	554.3	551.8
137.5°	*500.7*	497.3	499.8	480.5	461.2	460.4	477.2	486.4	481.4	475.5	468.8
140°	*431.1*	432.7	428.5	412.6	404.2	405.9	416.8	431.1	426.9	414.3	404.2
142.5°	*343.0*	339.6	344.7	356.4	373.2	373.2	356.4	338.8	338.0	343.8	352.2
145°	*338.0*	336.3	337.1	334.6	338.0	334.6	329.6	324.6	318.7	314.5	311.1
147.5°	*366.5*	366.5	365.6	361.5	358.1	352.2	353.9	359.8	363.1	359.8	354.7
150°	*297.7*	300.2	300.2	299.4	296.0	298.6	301.9	303.6	306.9	306.9	301.9
152.5°	*228.9*	228.1	230.6	227.3	226.4	228.1	232.3	235.7	236.5	236.5	229.8
155°	*218.0*	216.4	218.0	216.4	214.7	216.4	219.7	221.4	223.1	220.6	213.9
157.5°	*203.8*	203.8	203.8	202.1	202.9	202.9	204.6	205.5	206.3	205.5	203.8
160°	*192.9*	192.9	193.7	192.9	192.9	194.6	193.7	192.9	192.9	192.0	191.2
162.5°	*186.2*	186.2	186.2	186.2	185.3	185.3	186.2	185.3	184.5	183.7	185.3
165°	*182.8*	182.0	182.0	182.0	182.8	182.0	182.0	182.0	181.1	183.7	187.0
167.5°	*189.5*	187.9	188.7	189.5	189.5	188.7	188.7	188.7	190.4	192.9	195.4
170°	*198.8*	197.9	197.9	198.8	198.8	197.9	197.9	197.9	198.8	199.6	200.4
172.5°	*206.3*	205.5	205.5	205.5	204.6	203.8	203.8	203.8	203.8	203.8	204.6
175°	*213.9*	213.9	213.9	213.9	213.0	212.2	212.2	212.2	212.2	212.2	212.2
177.5°	*222.2*	221.4	222.2	221.4	221.4	221.4	220.6	219.7	218.9	218.9	218.9
180°	*220.6*	220.6	220.6	220.6	220.6	220.6	220.6	220.6	220.6	220.6	220.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	85.5	84.7	79.7	75.5	72.1	68.8	63.7	59.5	56.2	55.3	55.3
5°	110.7	109.0	104.0	97.3	93.9	88.9	83.9	80.5	76.3	74.6	75.5
7.5°	152.6	153.5	155.1	158.5	156.8	142.6	126.6	123.3	126.6	131.7	134.2
10°	189.5	187.0	186.2	197.1	194.6	173.6	152.6	145.9	151.8	162.7	167.7
12.5°	219.7	214.7	213.9	215.5	205.5	182.8	165.2	157.7	161.0	169.4	168.6
15°	264.2	256.6	245.7	239.0	226.4	210.5	188.7	176.1	176.1	176.1	175.3
17.5°	290.2	281.8	260.8	241.5	225.6	213.9	199.6	187.9	175.3	173.6	172.8
20°	312.8	300.2	277.6	256.6	236.5	219.7	199.6	185.3	174.4	172.8	171.9
22.5°	332.1	320.4	296.0	270.9	245.7	226.4	204.6	189.5	178.6	175.3	174.4
25°	358.1	345.5	317.8	288.5	259.1	234.8	214.7	197.1	183.7	177.0	177.0
27.5°	384.1	369.8	338.8	308.6	276.7	246.6	223.9	206.3	189.5	180.3	179.5
30°	409.3	393.3	359.8	325.4	293.5	261.7	235.7	215.5	197.1	187.0	186.2
32.5°	444.5	426.0	386.6	343.8	312.0	277.6	248.2	224.8	205.5	195.4	193.7
35°	513.2	492.3	447.8	392.5	342.2	296.0	260.8	229.8	211.3	200.4	199.6
37.5°	640.7	616.4	554.3	486.4	417.6	348.0	283.5	236.5	215.5	205.5	203.8
40°	717.0	669.2	603.8	550.1	498.1	431.1	348.0	274.2	223.9	212.2	210.5
42.5°	816.0	766.5	671.7	569.4	503.2	450.3	391.6	343.8	271.7	229.8	222.2
45°	909.9	872.2	790.8	681.8	581.2	489.8	416.8	370.7	324.6	276.7	269.2
47.5°	1067.6	1012.2	904.9	793.3	691.0	588.7	502.3	412.6	353.1	324.6	322.9
50°	1471.8	1371.2	1216.0	1082.7	889.8	733.0	630.7	510.7	434.4	390.0	375.7
52.5°	1994.3	1889.4	1712.5	1519.6	1305.8	1103.6	903.2	731.3	607.2	529.2	531.7
55°	2772.5	2667.7	2407.7	2077.3	1783.8	1573.3	1358.6	1149.8	950.2	835.3	821.0
57.5°	3593.5	3499.6	3277.4	2874.0	2406.9	2017.8	1762.8	1615.2	1512.9	1387.9	1387.9
60°	4195.7	4039.7	3788.1	3381.4	2967.1	2455.5	2128.5	1917.1	1898.7	1876.9	1893.6
62°	*4503.5*	*4302.2*	*3943.3*	*3486.2*	*3101.3*	*2645.9*	*2328.0*	*2118.4*	*2081.5*	*1999.3*	*2001.0*
62.5°	4555.5	4333.2	3969.3	3486.2	3113.0	2662.7	2349.9	2145.2	2094.1	1993.4	1995.1
65°	4607.5	4339.9	3988.5	3430.0	3046.8	2604.8	2364.1	2097.4	1963.2	1794.7	1745.2
67.5°	4308.9	4034.7	3733.6	3189.3	2791.0	2364.1	2097.4	1829.9	1611.0	1439.9	1413.1
70°	3499.6	3284.1	3051.8	2635.8	2287.8	1942.3	1715.8	1474.3	1256.3	1067.6	1079.3
72.5°	2656.0	2454.7	2241.7	1977.5	1761.1	1528.8	1328.4	1133.8	952.7	835.3	857.1
75°	2057.2	1923.0	1772.0	1580.0	1415.6	1200.9	972.8	800.1	677.6	606.3	610.5
77.5°	1691.5	1552.3	1429.0	1252.9	1096.9	877.2	657.5	509.9	438.6	406.7	398.4
80°	1300.7	1199.2	1090.2	932.6	760.6	591.2	442.0	373.2	326.2	302.7	293.5
82.5°	908.2	845.3	753.9	639.9	540.9	478.9	414.3	356.4	307.8	286.0	275.9
85°	748.1	714.5	664.2	599.6	540.9	472.2	400.0	341.3	299.4	282.6	273.4
87.5°	728.8	706.1	649.1	580.3	509.9	439.4	366.5	312.0	285.1	274.2	265.8
90°	668.4	642.4	602.1	534.2	471.3	395.8	336.3	303.6	283.5	270.9	261.7
92.5°	582.9	568.6	531.7	483.1	439.4	390.8	348.0	318.7	297.7	282.6	273.4
95°	518.3	501.5	480.5	441.1	405.1	365.6	326.2	298.6	276.7	260.8	253.3
97.5°	426.0	414.3	394.2	368.2	341.3	309.5	281.8	263.3	249.1	241.5	236.5
100°	386.6	379.1	367.3	348.9	327.1	304.4	284.3	274.2	268.4	263.3	260.8
102.5°	358.1	349.7	340.5	321.2	304.4	284.3	270.9	262.5	254.9	246.6	244.9
105°	332.9	326.2	313.6	297.7	280.9	261.7	245.7	240.7	234.0	226.4	225.6
107.5°	313.6	306.9	296.0	279.3	264.2	247.4	233.1	225.6	218.0	213.9	213.0

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

Scaled Data Report

REPORT NUMBER: P1046400
CATALOG NUMBER: FFX-CLB-80-750-U-FR-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	312.0	306.9	295.2	280.9	269.2	252.4	236.5	234.0	225.6	215.5	214.7
112.5°	389.1	373.2	350.5	327.1	306.9	290.2	270.0	249.9	233.1	223.1	221.4
115°	451.2	435.3	407.6	373.2	341.3	305.3	270.9	245.7	236.5	234.0	237.3
117.5°	424.3	390.8	343.8	322.9	295.2	275.9	262.5	256.6	241.5	245.7	249.9
120°	407.6	384.9	343.8	340.5	327.9	306.1	275.1	268.4	260.0	253.3	252.4
122.5°	655.0	633.2	586.2	514.9	437.8	385.8	366.5	326.2	277.6	240.7	234.8
125°	928.4	893.1	800.9	722.1	619.8	509.9	410.9	326.2	260.0	224.8	220.6
127.5°	946.8	907.4	826.9	720.4	590.4	456.2	353.9	292.7	248.2	224.8	220.6
130°	738.0	712.8	653.3	553.5	463.8	384.1	326.2	276.7	236.5	218.9	216.4
132.5°	652.5	629.8	545.1	462.1	402.5	341.3	292.7	245.7	211.3	199.6	197.9
135°	539.2	514.1	457.9	406.7	363.1	313.6	265.0	224.8	200.4	194.6	193.7
137.5°	460.4	448.7	406.7	370.7	331.3	288.5	248.2	217.2	202.1	197.1	196.2
140°	397.5	395.0	369.0	337.1	297.7	252.4	221.4	202.9	197.1	194.6	193.7
142.5°	351.4	348.0	319.5	282.6	247.4	223.9	212.2	206.3	201.3	194.6	192.9
145°	304.4	298.6	280.9	265.0	254.1	246.6	235.7	217.2	197.9	187.9	187.0
147.5°	346.4	336.3	317.0	294.4	270.9	246.6	223.9	204.6	188.7	182.8	182.0
150°	291.0	290.2	277.6	260.0	242.4	220.6	203.8	191.2	184.5	183.7	183.7
152.5°	225.6	225.6	225.6	221.4	213.0	201.3	188.7	181.1	181.1	184.5	185.3
155°	212.2	213.0	213.9	212.2	205.5	194.6	183.7	180.3	181.1	184.5	185.3
157.5°	202.1	202.1	202.9	201.3	197.9	190.4	182.8	179.5	180.3	182.0	182.8
160°	190.4	190.4	191.2	191.2	187.9	185.3	182.0	179.5	179.5	180.3	181.1
162.5°	186.2	186.2	186.2	186.2	185.3	185.3	185.3	185.3	184.5	184.5	184.5
165°	187.9	187.9	185.3	184.5	186.2	188.7	192.9	193.7	189.5	188.7	188.7
167.5°	196.2	196.2	193.7	192.0	194.6	197.1	202.9	204.6	201.3	197.9	197.9
170°	201.3	201.3	201.3	202.1	202.9	205.5	208.8	210.5	209.7	208.8	208.8
172.5°	204.6	204.6	206.3	208.0	210.5	212.2	213.9	215.5	217.2	217.2	218.0
175°	211.3	212.2	213.9	214.7	216.4	218.0	219.7	221.4	222.2	222.2	222.2
177.5°	218.0	218.0	218.0	218.9	219.7	220.6	221.4	222.2	222.2	223.1	223.9
180°	220.6	220.6	220.6	220.6	220.6	220.6	220.6	220.6	220.6	220.6	220.6

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

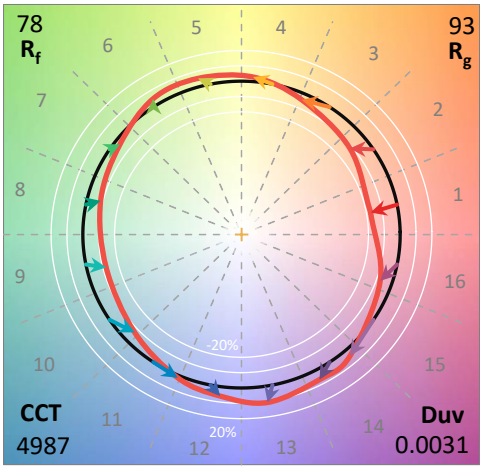
Test Information

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

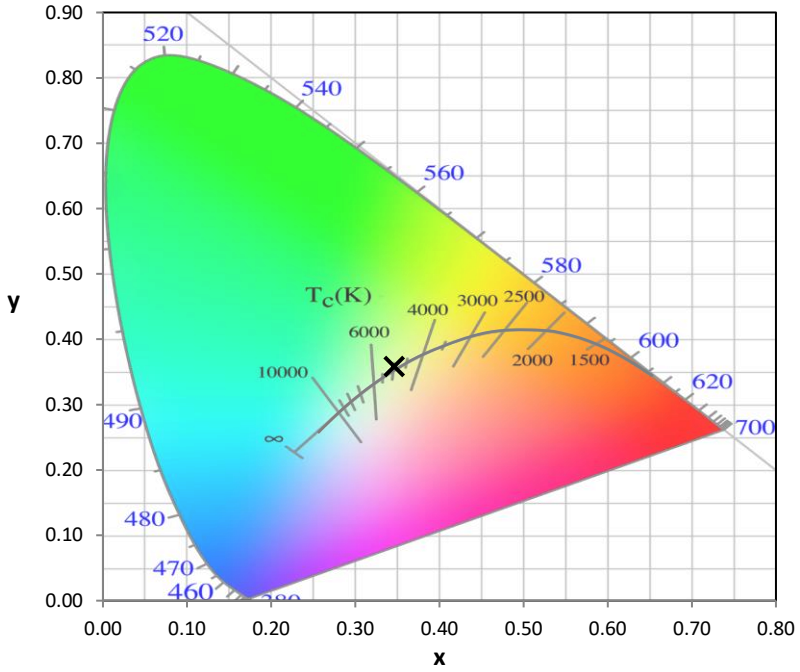
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

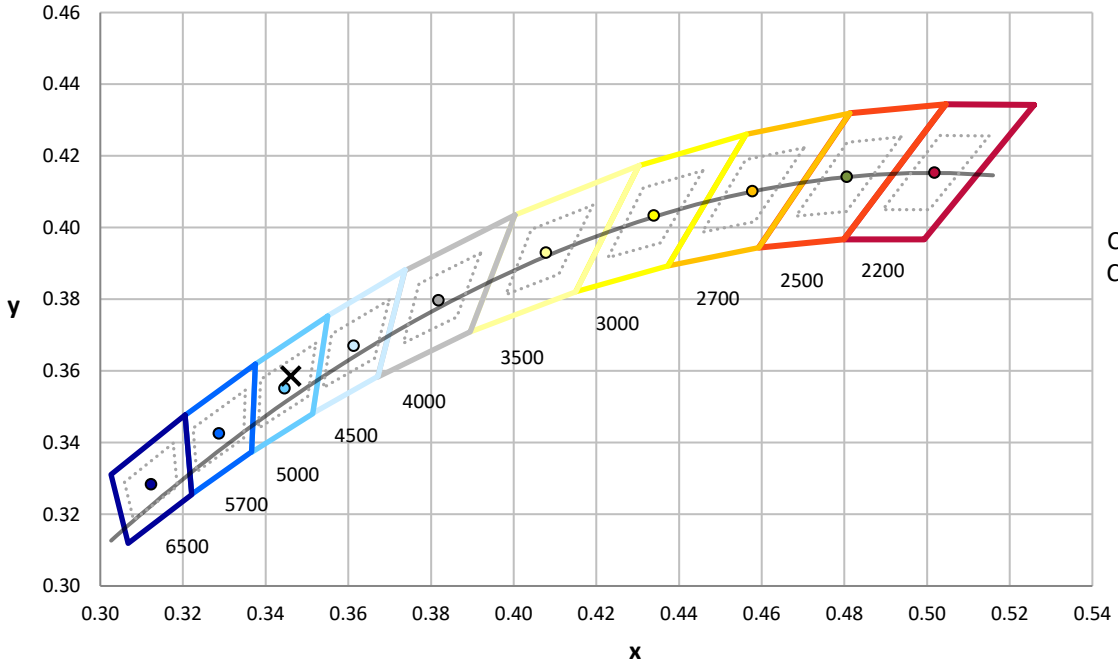
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

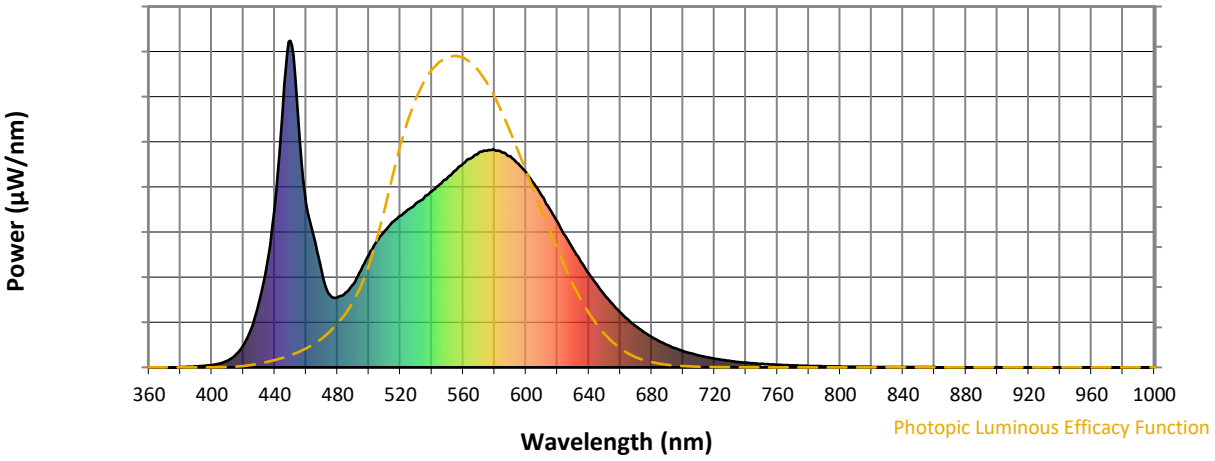


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

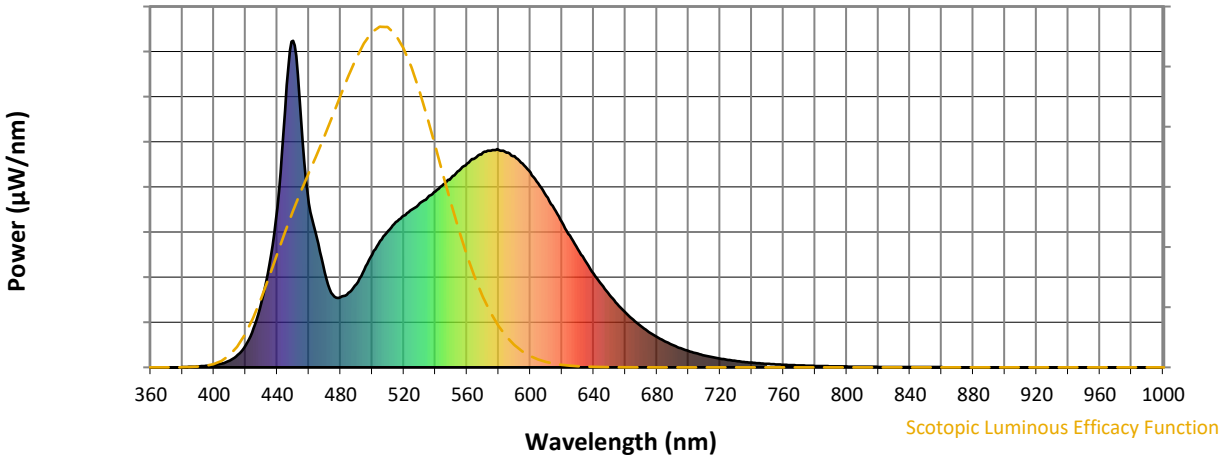


Photopic Lumens: NR

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

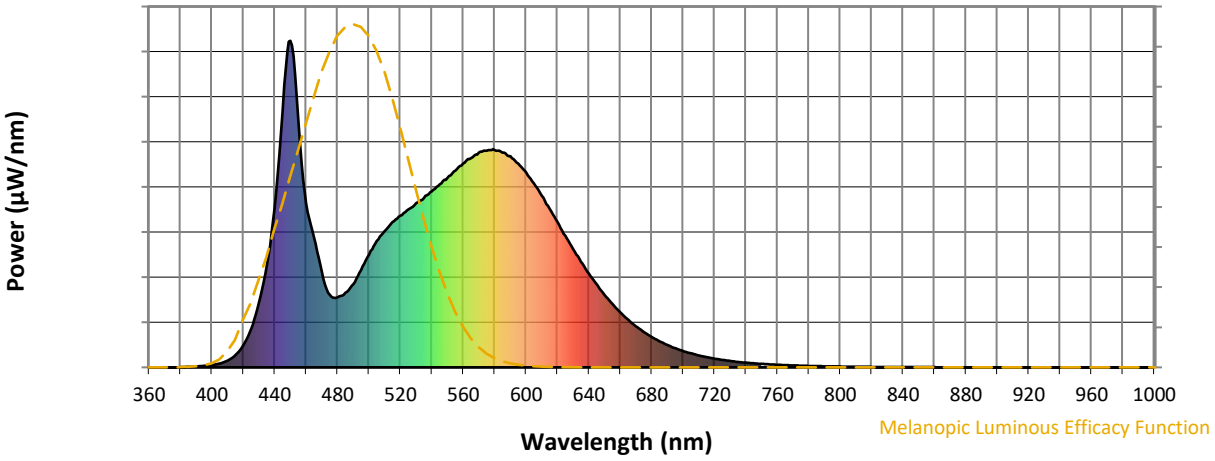


Scotopic Lumens: NR **S/P: 1.87**

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			

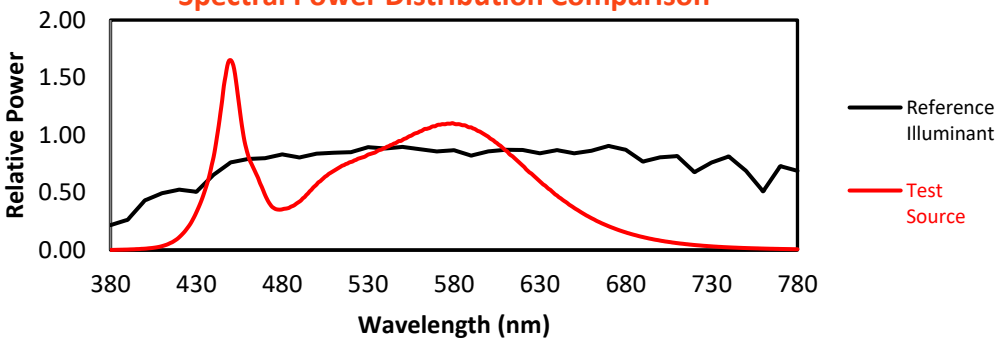
REPORT NUMBER: SP1-2501-332-5

TM-30-18

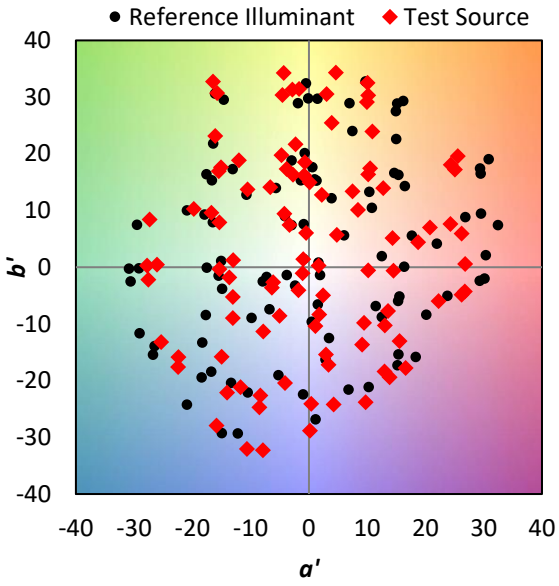
Summary

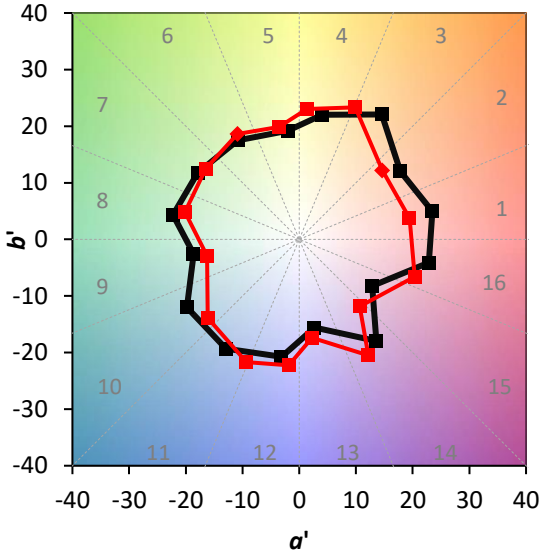
R_f = 78.3
R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

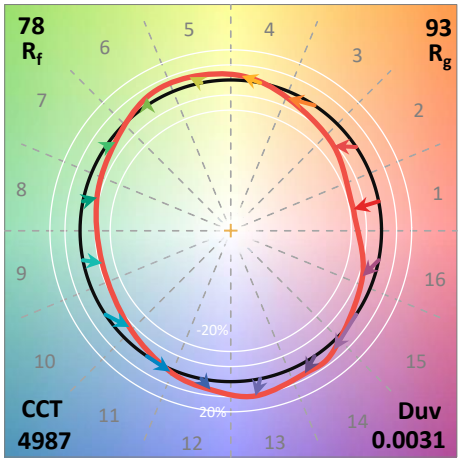
Spectral Power Distribution Comparison

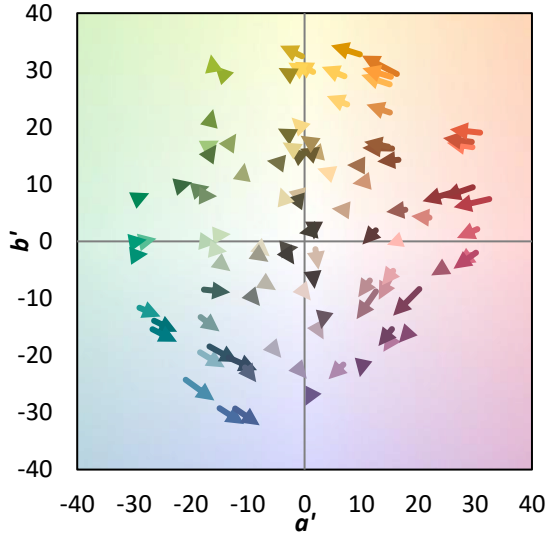


Color Vector Graphics







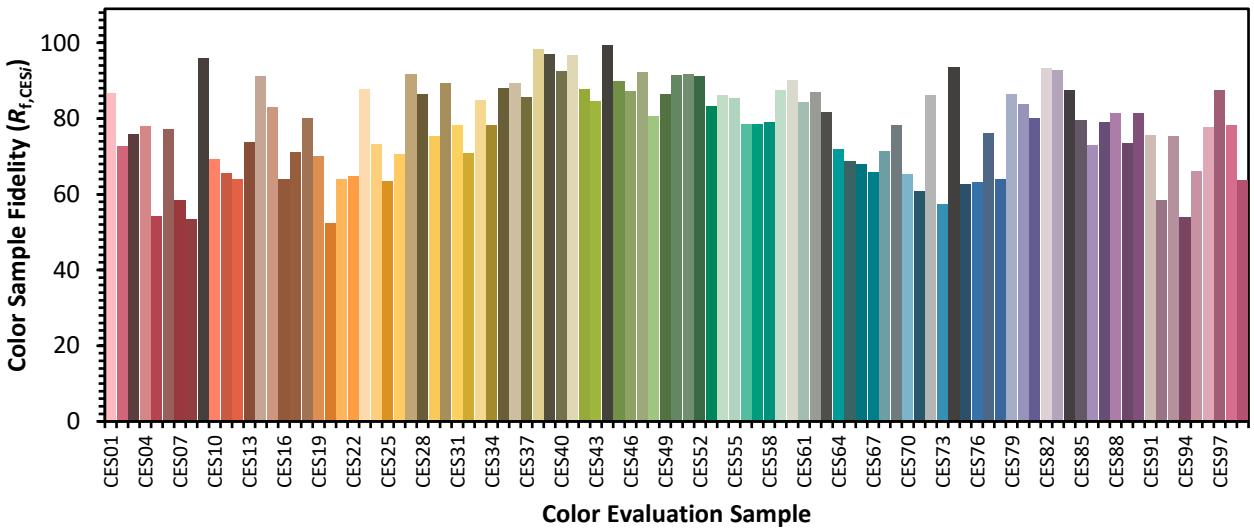


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

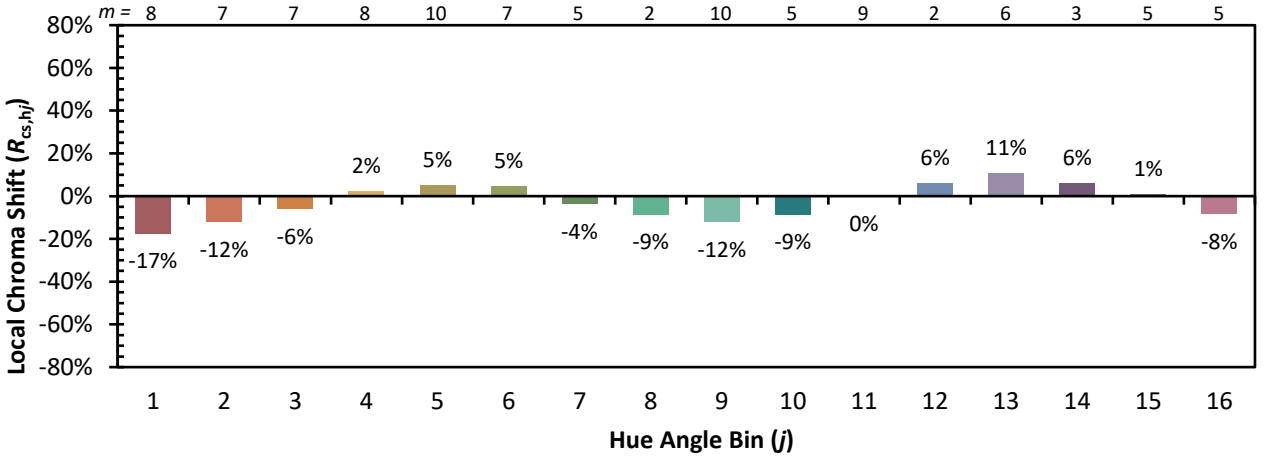
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57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

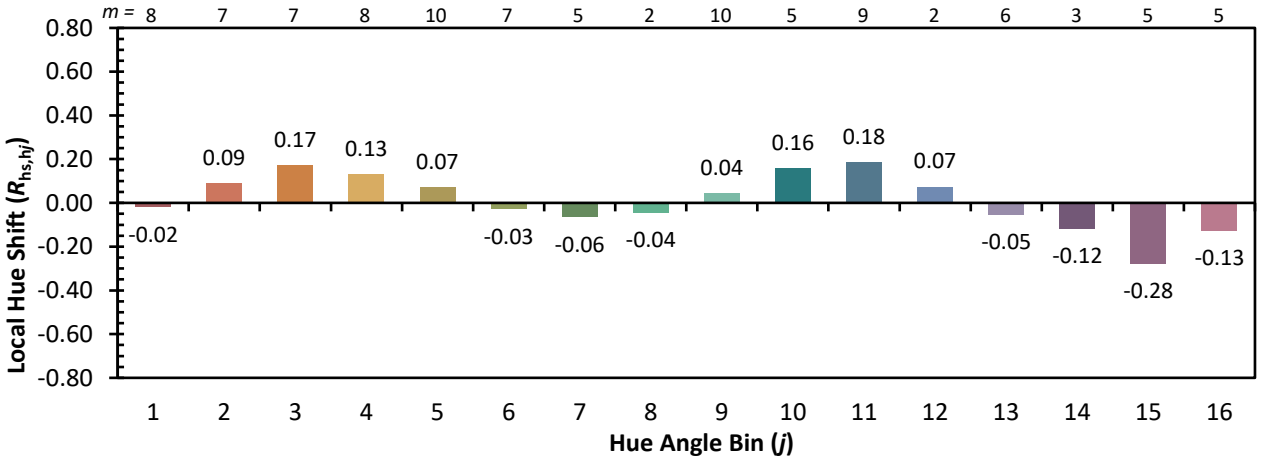


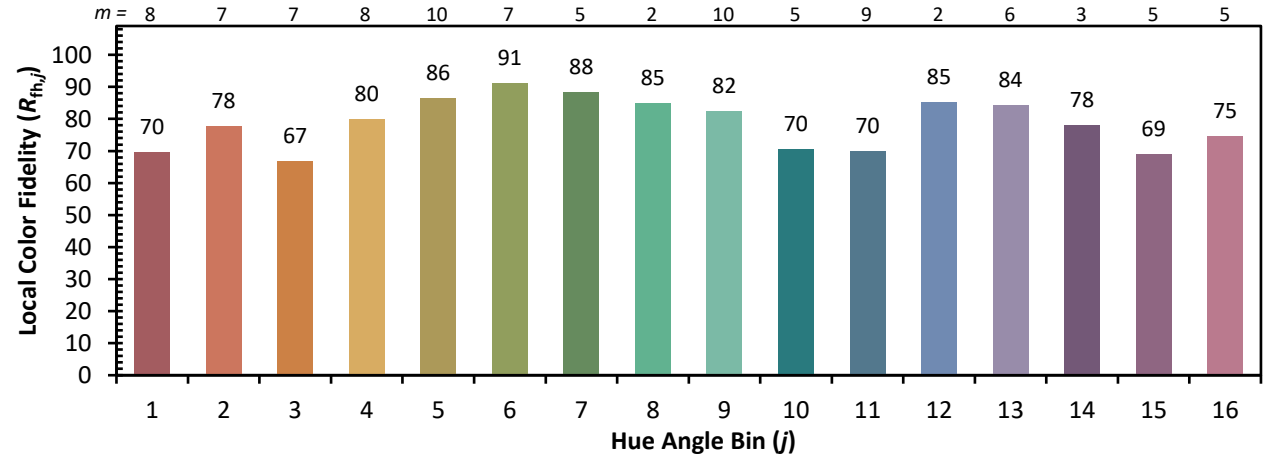
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Color Rendition by Hue-Angle Bin



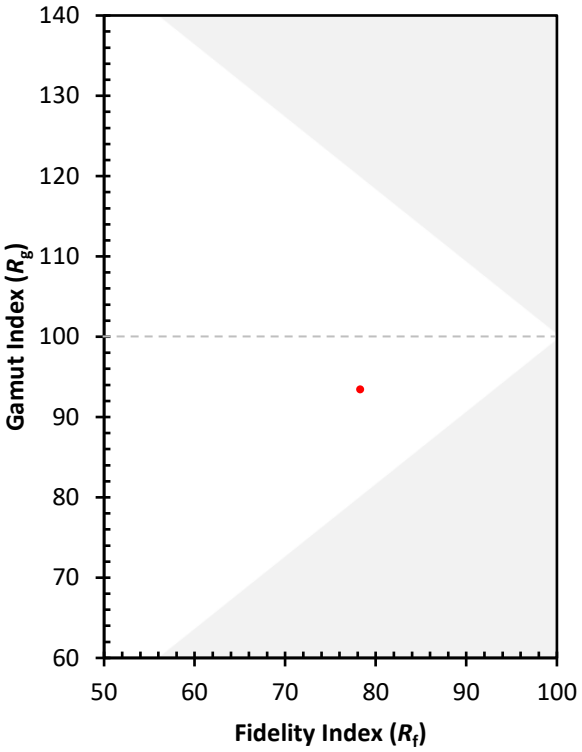


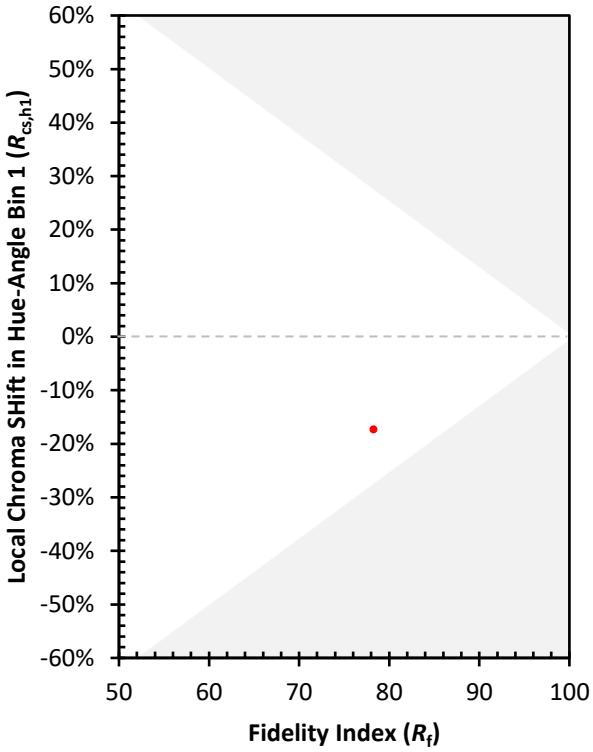


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Measure Comparisons





(END OF REPORT)