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: P981444

Luminaire Tested: **FFX-CLB-80-750-U-FR-T3**

Issue Date: 04/15/2025

Report Generated By 670245763

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:	P981444
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-750-U-FR-T3
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS
Light Source:	(4) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13027.2 lumens
Efficiency:	N/A
Efficacy:	159.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - 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

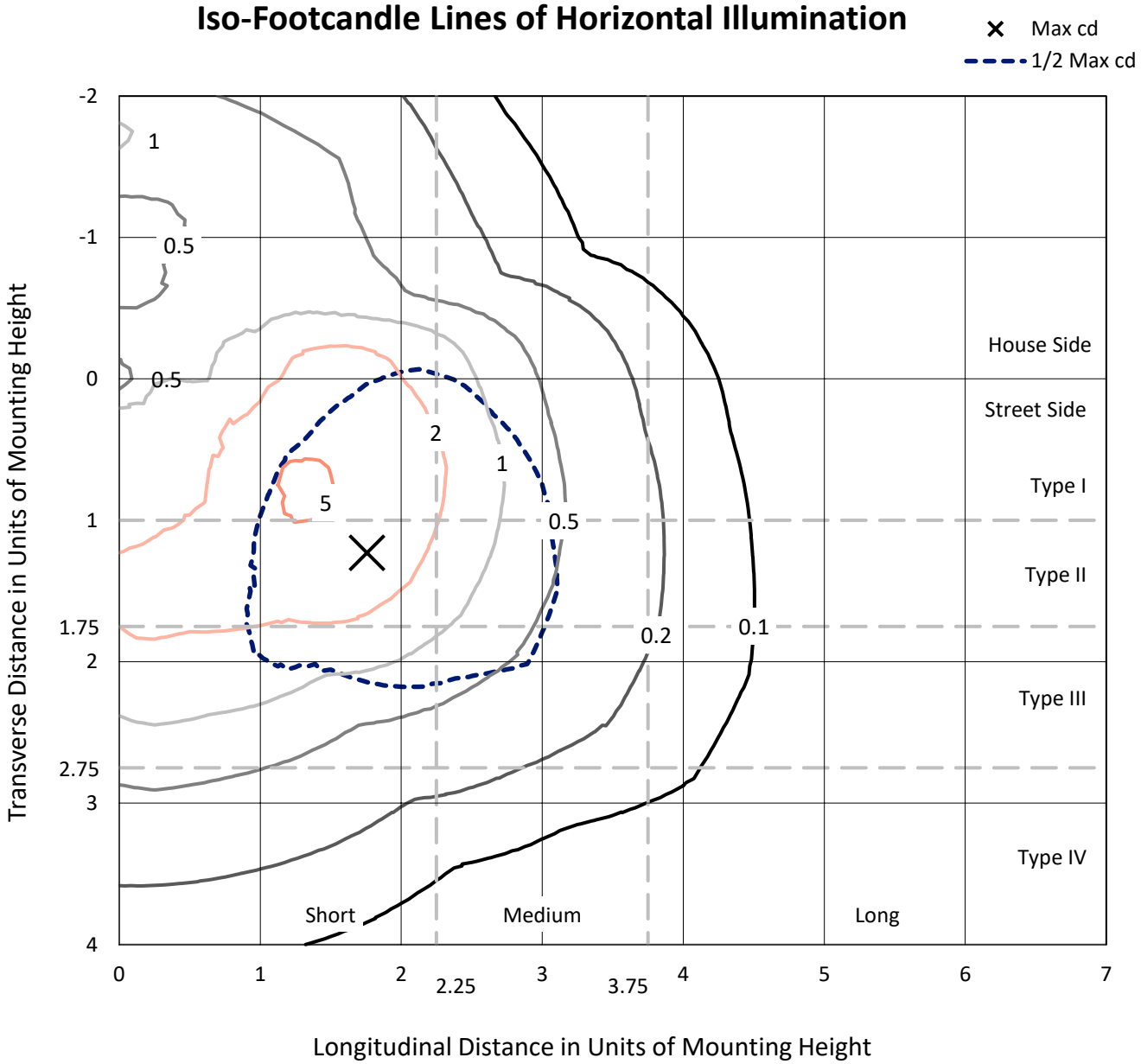


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Iso-Footcandle Lines of Horizontal Illumination



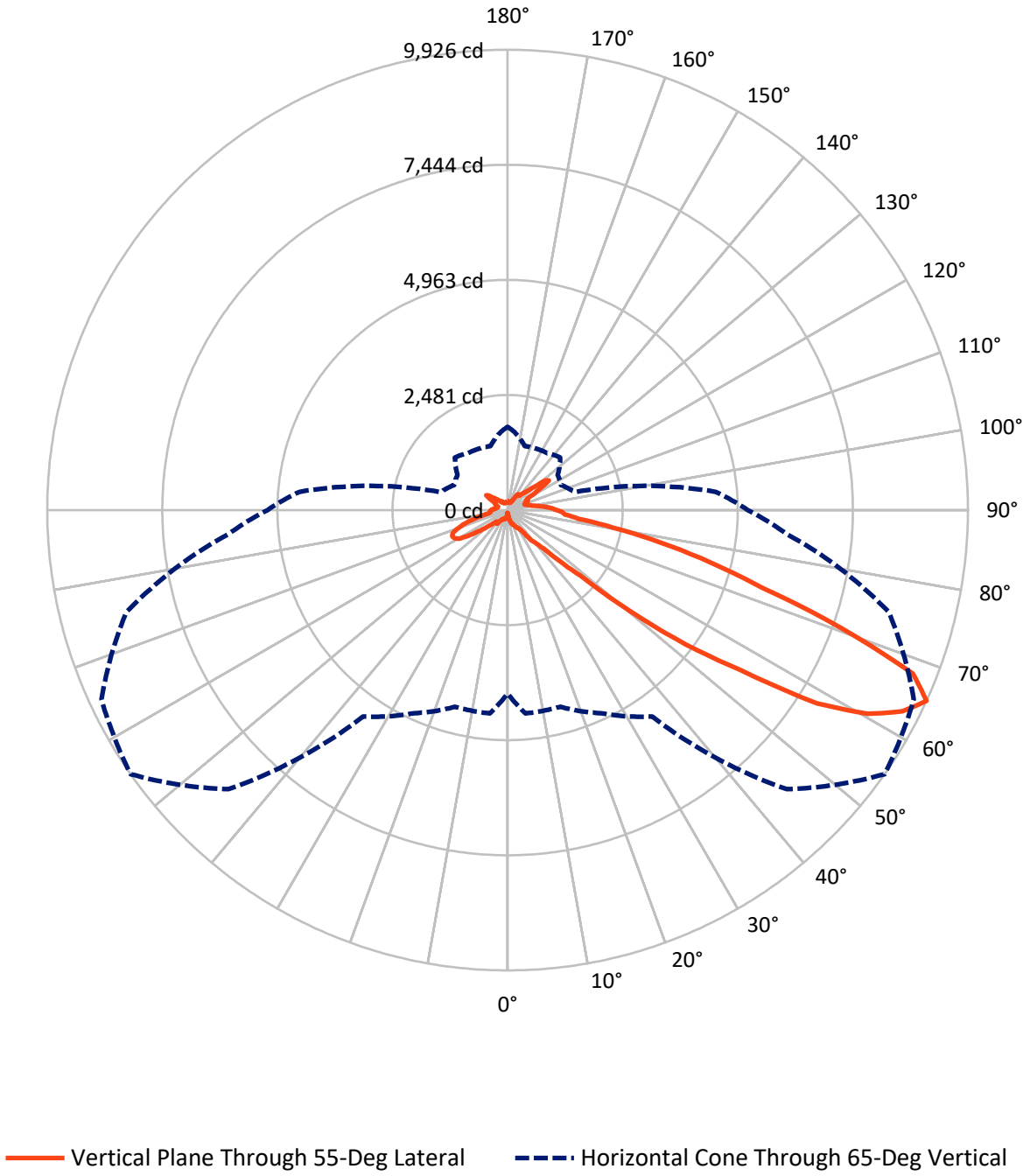
Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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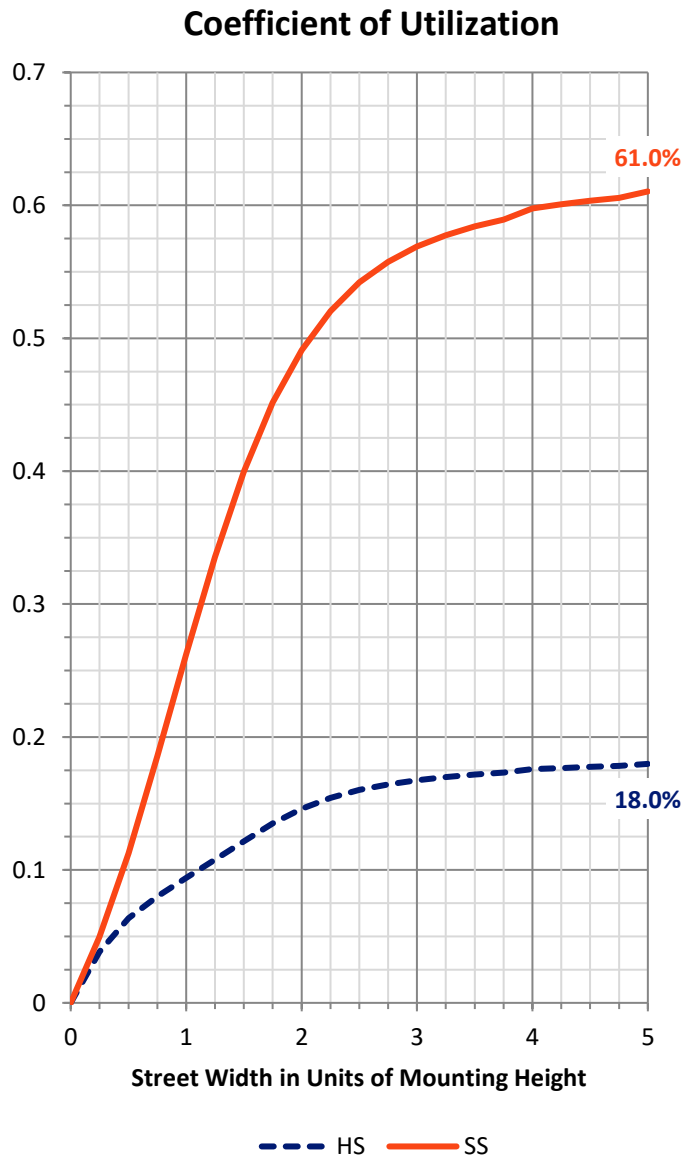
REPORT NUMBER: P981444
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2441.8	874.8	3316.6
	% Fixture	18.7	6.7	25.5
Street Side	Lumens	8209.8	1500.7	9710.5
	% Fixture	63.0	11.5	74.5
Total	Lumens	10651.6	2375.5	13027.2
	% Fixture	81.8	18.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.1
10°-20°	66.2	0.5
20°-30°	136.0	1.0
30°-40°	284.8	2.2
40°-50°	752.1	5.8
50°-60°	2502.7	19.2
60°-70°	4036.9	31.0
70°-80°	2117.7	16.3
80°-90°	743.1	5.7
90°-100°	479.7	3.7
100°-110°	311.1	2.4
110°-120°	341.2	2.6
120°-130°	573.9	4.4
130°-140°	336.2	2.6
140°-150°	179.9	1.4
150°-160°	89.4	0.7
160°-170°	47.0	0.4
170°-180°	17.0	0.1
0°-90°	10651.6	81.8
0°-180°	13027.2	100.0



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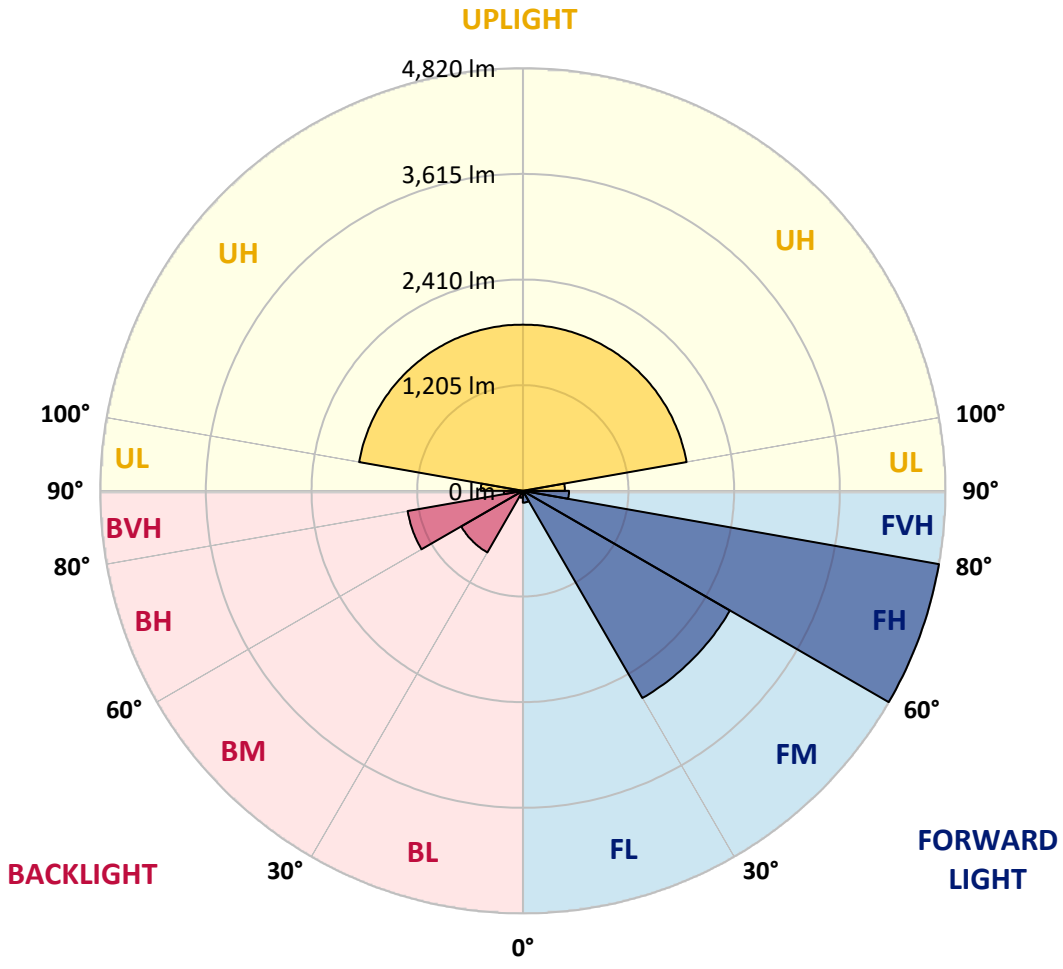
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	135.2	1.0			
FM	(30°-60°)	2728.2	20.9			
FH	(60°-80°)	4820.3	37.0			G2/5000
FVH	(80°-90°)	526.1	4.0			G4/750
BL	(0°-30°)	79.2	0.6	B0/110		
BM	(30°-60°)	811.4	6.2	B1/1000		
BH	(60°-80°)	1334.3	10.2	B3/2500		G3/2500
BVH	(80°-90°)	217.0	1.7			G2/225
UL	(90°-100°)	479.7	3.7		U3/500	
UH	(100°-180°)	1895.8	14.6		U5	

BUG Rating: B3-U5-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	73.8	75.5	79.8	81.5	82.4	80.6	77.2	80.6	80.6	80.6	79.8
5°	107.2	107.2	107.2	109.8	110.7	112.4	110.7	106.4	102.9	99.5	98.7
7.5°	150.1	151.8	152.7	152.7	152.7	156.1	159.6	151.8	145.0	138.1	136.4
10°	215.3	211.0	206.7	208.5	205.0	198.2	201.6	195.6	180.1	175.0	175.0
12.5°	275.4	274.5	276.2	266.8	261.6	247.1	248.8	245.3	234.2	216.2	210.2
15°	308.8	311.4	310.5	314.0	306.2	285.7	280.5	282.2	271.9	254.8	246.2
17.5°	326.0	326.0	326.8	331.1	331.1	311.4	302.8	298.5	289.9	275.4	264.2
20°	334.6	334.6	333.7	339.7	351.7	340.6	328.5	321.7	314.0	290.8	273.6
22.5°	358.6	356.9	354.3	356.0	374.0	370.6	361.1	350.9	339.7	304.5	283.1
25°	383.4	384.3	376.6	379.2	397.2	402.3	394.6	384.3	371.4	318.3	296.8
27.5°	411.8	410.9	400.6	404.0	413.5	432.3	422.9	417.8	396.3	329.4	308.8
30°	437.5	433.2	422.9	431.5	431.5	461.5	452.9	455.5	428.9	350.0	327.7
32.5°	456.4	455.5	449.5	460.7	454.6	493.3	490.7	512.1	472.7	390.3	369.7
35°	499.3	500.1	525.0	546.4	536.1	592.8	604.8	632.2	584.2	490.7	468.4
37.5°	808.1	797.8	763.5	724.0	729.2	834.7	820.1	834.7	760.9	626.2	591.0
40°	851.0	853.5	814.1	784.1	779.8	914.4	936.7	1055.1	900.7	750.6	681.1
42.5°	828.7	837.2	945.3	983.9	949.6	1121.2	1128.0	1356.2	1050.8	925.6	833.8
45°	1050.8	1052.6	1074.9	1099.7	1104.0	1531.2	1555.2	1807.4	1336.5	1165.8	1010.5
47.5°	1195.8	1209.5	1240.4	1410.3	1500.3	1957.6	2118.0	2518.6	1780.0	1589.6	1283.3
50°	1690.8	1728.5	1881.2	2027.1	2167.7	2902.9	3442.5	3920.3	2673.9	2329.9	1864.9
52.5°	2060.5	2196.0	2366.8	2718.5	2866.9	3967.5	4815.0	5110.9	3745.3	3157.7	2540.9
55°	2381.3	2630.1	2814.5	3390.1	3672.4	5172.7	6076.9	6119.8	5026.0	3854.2	3258.0
57.5°	3041.9	3404.7	3524.8	4017.2	4410.1	6607.9	7863.7	7652.7	6333.4	4647.7	4023.2
60°	3663.8	4081.6	4036.9	4490.7	5010.6	7842.3	8921.4	8814.2	7558.3	5399.2	4692.3
62.5°	3866.2	4290.0	4252.3	4729.2	5428.3	8417.9	9556.2	9378.7	8281.5	5869.3	5028.6
65°	3954.6	4401.5	4391.2	4837.3	5433.5	8509.7	9925.9	9661.7	8508.8	6058.9	5176.1
67.5°	3879.1	4304.6	4300.3	4711.2	5037.2	7844.0	9425.8	9036.4	7948.6	5612.8	4857.9
70°	3347.3	3643.2	3625.2	3877.4	4048.1	6234.7	7649.3	7355.0	6414.8	4612.5	4024.1
72.5°	2729.6	2817.1	2854.9	2999.0	3044.4	4562.8	5736.3	5502.1	4783.3	3454.5	3051.3
75°	2179.7	2184.0	2223.5	2274.1	2258.7	3356.7	4518.2	4373.2	3527.4	2576.9	2314.4
77.5°	1442.9	1431.7	1605.0	1625.6	1526.9	2138.6	3373.8	3271.8	2524.6	1877.8	1692.5
80°	827.8	831.2	949.6	1024.2	984.8	1358.8	2311.9	2289.5	1733.7	1314.2	1162.4
82.5°	617.6	646.8	710.3	749.7	734.3	1021.7	1538.1	1580.1	1231.8	945.3	863.8
85°	688.0	704.3	711.1	713.7	694.8	955.6	1242.1	1239.6	1035.4	793.5	766.0
87.5°	670.0	683.7	689.7	693.1	674.3	913.6	1173.5	1156.4	993.4	762.6	722.3
90°	563.6	595.3	594.5	624.5	603.1	802.9	1029.4	1018.2	901.6	702.6	655.4
92.5°	472.7	490.7	502.7	543.9	525.0	706.9	925.6	899.9	807.2	639.1	588.5
95°	441.8	458.1	467.5	490.7	467.5	610.8	779.8	756.6	670.0	532.7	483.8
97.5°	372.3	377.4	386.0	401.5	386.0	495.0	631.4	609.1	537.9	434.9	400.6
100°	315.7	320.8	332.0	343.1	335.4	423.8	528.4	516.4	462.4	378.3	355.1
102.5°	298.5	302.0	316.5	323.4	314.0	389.5	466.7	466.7	418.6	349.1	330.3
105°	284.8	289.1	300.2	302.8	296.0	358.6	430.6	426.3	388.6	326.8	308.8
107.5°	271.1	276.2	285.7	281.4	277.9	330.3	386.9	393.7	361.1	310.5	298.5
110°	285.7	287.4	295.1	288.2	294.2	328.5	388.6	390.3	380.9	338.8	326.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	388.6	379.2	395.5	369.7	389.5	413.5	*451.2*	464.9	453.8	405.8	394.6
115°	425.5	432.3	449.5	423.8	436.6	465.8	*483.8*	486.4	473.5	442.6	438.4
117.5°	332.0	366.3	348.3	363.7	368.9	409.2	*450.4*	462.4	450.4	407.5	434.1
120°	424.6	452.1	390.3	371.4	397.2	467.5	*505.3*	515.6	483.0	483.8	500.1
122.5°	704.3	719.7	758.3	778.1	748.0	790.9	*803.8*	813.2	763.5	705.1	676.0
125°	1068.9	1057.7	1052.6	1047.4	1039.7	1085.2	*1093.7*	1069.7	1020.0	938.5	893.0
127.5°	966.8	976.2	990.8	989.1	982.2	1017.4	*1038.8*	1024.2	1010.5	932.5	905.9
130°	695.7	700.0	725.7	772.0	766.9	795.2	*797.8*	812.4	835.5	801.2	773.8
132.5°	576.5	580.8	619.4	639.9	641.7	642.5	*630.5*	664.0	688.0	653.7	630.5
135°	502.7	502.7	511.3	503.5	506.1	528.4	*538.7*	568.7	574.7	558.4	535.3
137.5°	444.4	446.1	428.1	413.5	416.0	456.4	*479.5*	502.7	490.7	457.2	440.9
140°	386.9	377.4	352.6	348.3	367.2	405.8	*419.5*	435.8	439.2	396.3	374.9
142.5°	284.8	281.4	292.5	315.7	326.0	390.3	*380.0*	410.9	412.6	340.6	305.4
145°	318.3	317.4	316.5	320.8	344.8	438.4	*413.5*	452.9	471.8	362.0	296.0
147.5°	359.4	358.6	350.9	341.4	377.4	400.6	*378.3*	412.6	433.2	359.4	286.5
150°	277.9	279.7	275.4	272.8	312.2	308.0	*302.8*	312.2	320.8	297.7	260.8
152.5°	216.2	212.7	210.2	211.0	243.6	238.5	*238.5*	245.3	246.2	237.6	218.7
155°	194.7	193.9	192.2	195.6	215.3	210.2	*205.9*	204.2	199.9	197.3	194.7
157.5°	182.7	181.0	181.0	186.1	199.9	191.3	*189.6*	187.9	185.3	185.3	186.1
160°	170.7	169.9	169.9	177.6	181.9	174.1	*172.4*	171.6	170.7	172.4	174.1
162.5°	163.8	163.8	163.8	169.0	169.0	163.8	*162.1*	161.3	162.1	168.1	169.0
165°	161.3	160.4	161.3	163.8	163.0	159.6	*158.7*	158.7	161.3	166.4	167.3
167.5°	165.6	165.6	165.6	166.4	165.6	162.1	*161.3*	161.3	163.8	168.1	168.1
170°	172.4	171.6	171.6	171.6	170.7	167.3	*165.6*	166.4	167.3	169.9	169.9
172.5°	178.4	178.4	177.6	176.7	175.0	173.3	*171.6*	171.6	171.6	172.4	172.4
175°	185.3	185.3	185.3	184.4	184.4	181.9	*181.0*	180.1	179.3	178.4	177.6
177.5°	193.0	192.2	192.2	192.2	192.2	189.6	*187.9*	187.0	185.3	184.4	184.4
180°	189.6	189.6	189.6	189.6	189.6	189.6	*189.6*	189.6	189.6	189.6	189.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	79.8	77.2	72.9	65.2	62.6	60.0	57.5	52.3	49.8	48.0
5°	97.8	94.4	93.5	89.2	83.2	78.1	77.2	75.5	74.6	72.1
7.5°	139.8	141.5	145.8	138.1	121.0	111.5	114.1	123.5	120.1	119.2
10°	175.9	187.0	195.6	175.9	145.0	125.2	126.1	145.0	146.7	150.1
12.5°	205.9	215.3	213.6	188.7	159.6	140.7	134.7	145.0	154.4	155.3
15°	238.5	222.2	216.2	195.6	175.0	160.4	157.8	160.4	160.4	158.7
17.5°	252.2	223.9	206.7	189.6	175.0	164.7	161.3	157.0	151.0	151.0
20°	255.6	230.8	211.0	193.0	178.4	167.3	157.8	152.7	151.0	151.0
22.5°	265.9	243.6	223.0	201.6	186.1	171.6	160.4	155.3	155.3	156.1
25°	280.5	259.9	234.2	211.9	195.6	180.1	165.6	157.8	157.0	157.8
27.5°	298.5	277.1	248.8	224.8	205.9	188.7	170.7	161.3	157.8	157.8
30°	319.1	294.2	262.5	235.9	215.3	199.9	177.6	164.7	160.4	158.7
32.5°	356.0	327.7	279.7	250.5	227.3	210.2	187.9	171.6	163.0	161.3
35°	446.9	403.2	340.6	287.4	252.2	222.2	195.6	175.9	164.7	163.0
37.5°	545.6	479.5	420.3	361.1	309.7	260.8	210.2	182.7	169.0	166.4
40°	607.3	520.7	468.4	380.0	373.2	332.8	258.2	201.6	177.6	174.1
42.5°	734.3	604.8	521.6	335.4	364.6	373.2	326.0	253.1	200.7	194.7
45°	884.4	711.1	585.0	358.6	375.7	365.4	333.7	293.4	250.5	238.5
47.5°	1146.1	811.5	607.3	416.0	429.8	401.5	354.3	312.2	280.5	276.2
50°	1653.9	1106.6	683.7	511.3	552.4	473.5	412.6	380.0	337.1	332.0
52.5°	2307.6	1332.2	767.8	661.4	754.9	657.1	558.4	492.4	483.0	486.4
55°	3016.1	1401.7	878.4	817.5	981.4	889.6	776.3	712.9	775.5	795.2
57.5°	3718.7	1506.3	1038.8	1020.0	1228.4	1088.6	999.4	1026.8	1287.6	1350.2
60°	4272.0	1595.6	1174.4	1214.7	1472.9	1321.1	1283.3	1323.6	1771.4	1937.8
62.5°	4489.0	1555.2	1244.7	1297.0	1587.8	1484.0	1471.2	1509.8	1887.2	2051.1
65°	*4505.3*	*1493.5*	*1272.2*	*1319.3*	*1605.9*	*1495.2*	*1460.0*	*1427.4*	*1689.9*	*1793.7*
67.5°	4169.1	1370.0	1238.7	1287.6	1526.1	1379.4	1306.5	1232.7	1367.4	1424.9
70°	3361.0	1214.7	1134.1	1162.4	1283.3	1147.8	1048.3	997.7	1045.7	1041.4
72.5°	2546.0	1069.7	1019.1	990.8	1048.3	938.5	828.7	779.8	822.7	811.5
75°	1944.7	954.8	907.6	813.2	869.0	720.6	599.6	566.2	586.8	579.0
77.5°	1403.4	765.2	702.6	598.8	670.8	524.1	402.3	378.3	383.4	367.2
80°	1010.5	570.5	509.6	435.8	493.3	374.9	298.5	293.4	296.0	278.8
82.5°	793.5	457.2	416.9	377.4	395.5	338.8	287.4	282.2	284.8	265.9
85°	739.4	447.8	405.8	380.0	386.0	333.7	278.8	277.1	281.4	260.8
87.5°	697.4	443.5	410.0	373.2	358.6	306.2	258.2	265.9	277.9	256.5
90°	615.1	413.5	384.3	350.9	335.4	287.4	258.2	269.4	268.5	253.1
92.5°	542.1	368.9	345.7	326.8	323.4	292.5	270.2	280.5	283.9	268.5
95°	444.4	311.4	300.2	294.2	299.4	269.4	250.5	255.6	252.2	243.6
97.5°	378.3	283.9	276.2	267.6	262.5	241.1	224.8	231.6	235.0	227.3
100°	342.3	270.2	264.2	254.8	253.9	239.3	230.8	244.5	254.8	250.5
102.5°	320.0	256.5	248.8	240.2	237.6	225.6	218.7	227.3	236.8	228.2
105°	303.7	243.6	231.6	223.9	219.6	211.0	202.4	205.9	216.2	211.9
107.5°	288.2	242.8	223.9	217.9	217.9	206.7	194.7	195.6	200.7	199.9
110°	312.2	269.4	235.0	226.5	223.9	220.5	211.9	203.3	196.4	196.4

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

Scaled Data Report

REPORT NUMBER: P981444
CATALOG NUMBER: FFX-CLB-80-750-U-FR-T3

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	374.0	330.3	295.1	267.6	256.5	243.6	225.6	212.7	203.3	200.7
115°	401.5	354.3	320.8	290.8	265.1	240.2	224.8	215.3	210.2	215.3
117.5°	378.3	313.1	308.8	277.9	253.9	234.2	229.9	214.5	223.0	223.0
120°	425.5	363.7	354.3	309.7	276.2	251.3	248.8	246.2	236.8	232.5
122.5°	621.9	541.3	502.7	436.6	379.2	327.7	298.5	258.2	229.9	223.9
125°	845.0	738.6	645.9	558.4	471.8	380.0	302.8	242.8	213.6	209.3
127.5°	847.5	739.4	637.4	531.0	436.6	340.6	271.9	229.9	209.3	208.5
130°	745.5	651.1	538.7	433.2	356.9	293.4	243.6	209.3	194.7	190.4
132.5°	593.6	509.6	437.5	372.3	314.0	259.9	215.3	191.3	182.7	181.9
135°	499.3	426.3	375.7	327.7	282.2	234.2	193.0	181.0	176.7	175.0
137.5°	407.5	363.7	332.8	294.2	250.5	211.0	183.6	178.4	176.7	173.3
140°	353.4	324.3	290.8	247.9	214.5	181.9	167.3	171.6	175.9	175.0
142.5°	288.2	266.8	241.9	213.6	190.4	175.9	169.9	172.4	172.4	173.3
145°	273.6	245.3	231.6	214.5	199.0	187.9	173.3	168.1	167.3	167.3
147.5°	253.9	242.8	234.2	222.2	199.0	178.4	162.1	159.6	163.0	162.1
150°	237.6	229.9	219.6	200.7	177.6	163.8	155.3	156.1	162.1	163.0
152.5°	201.6	197.3	190.4	178.4	162.1	155.3	151.0	154.4	158.7	159.6
155°	179.3	176.7	175.0	167.3	157.0	152.7	151.0	153.6	157.8	158.7
157.5°	177.6	171.6	169.0	163.8	156.1	151.8	151.8	154.4	157.0	157.8
160°	172.4	164.7	163.8	158.7	157.0	154.4	156.1	157.0	159.6	158.7
162.5°	168.1	163.0	162.1	158.7	160.4	163.0	163.0	163.8	165.6	164.7
165°	166.4	162.1	161.3	161.3	166.4	170.7	171.6	170.7	170.7	170.7
167.5°	168.1	165.6	164.7	166.4	170.7	175.9	176.7	175.0	173.3	172.4
170°	170.7	169.9	170.7	171.6	174.1	177.6	177.6	175.9	175.9	175.9
172.5°	173.3	175.0	175.9	175.9	178.4	180.1	181.0	180.1	180.1	180.1
175°	178.4	179.3	179.3	180.1	182.7	184.4	186.1	186.1	186.1	186.1
177.5°	184.4	184.4	184.4	185.3	186.1	188.7	189.6	191.3	192.2	192.2
180°	189.6	189.6	189.6	189.6	189.6	189.6	189.6	189.6	189.6	189.6

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

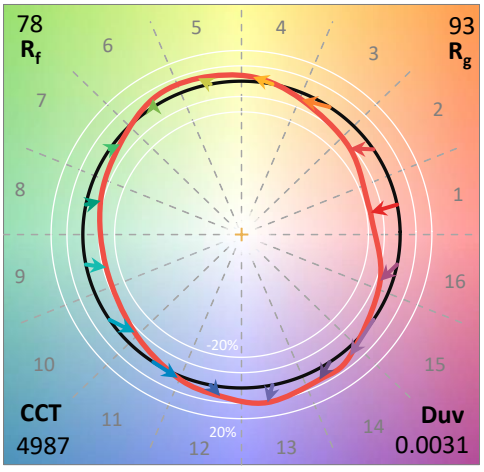
Test Information

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

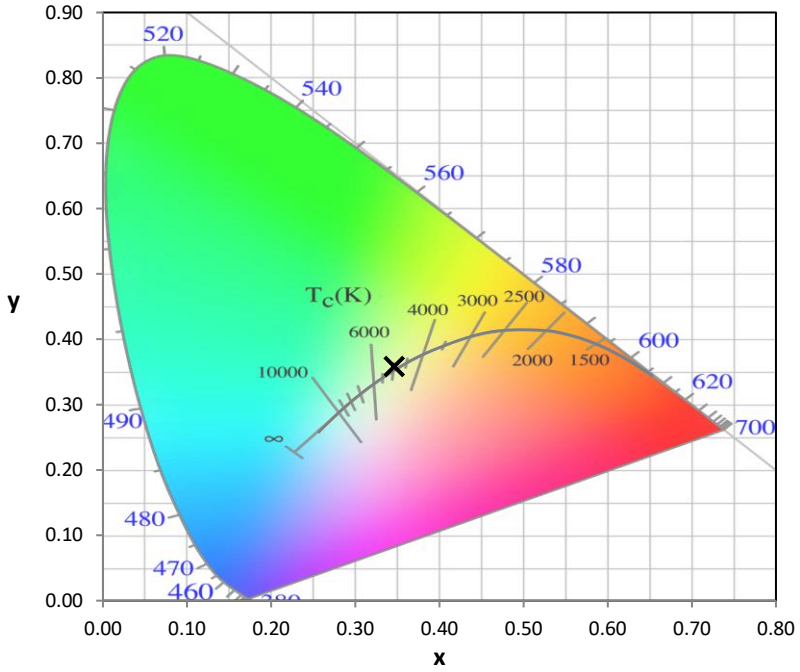
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

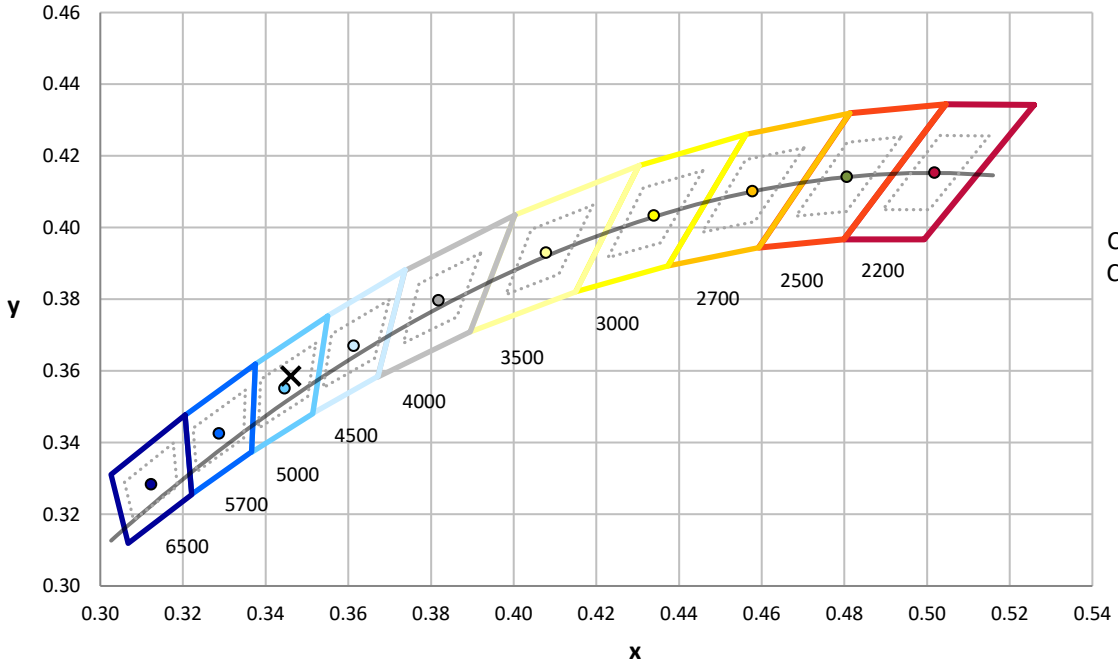
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

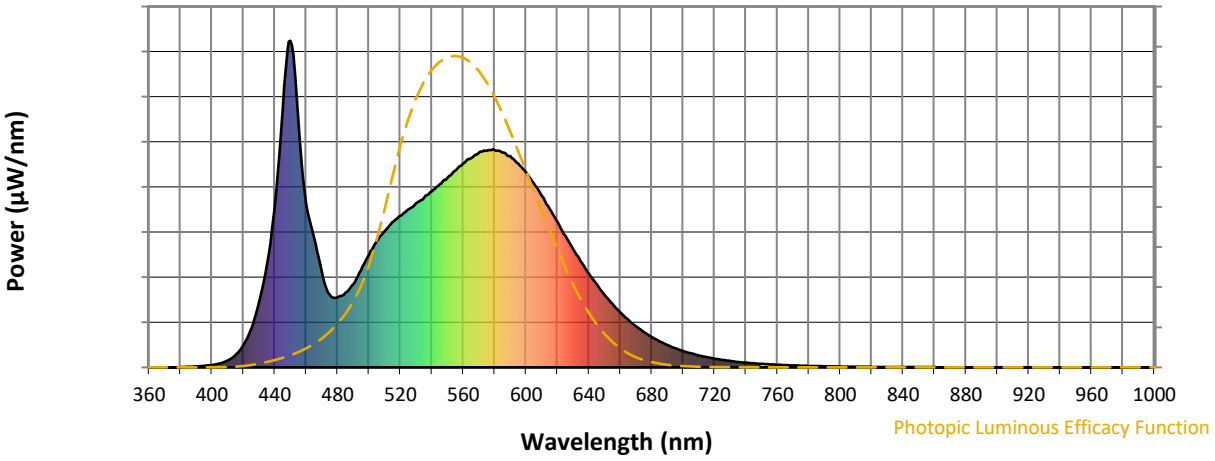


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

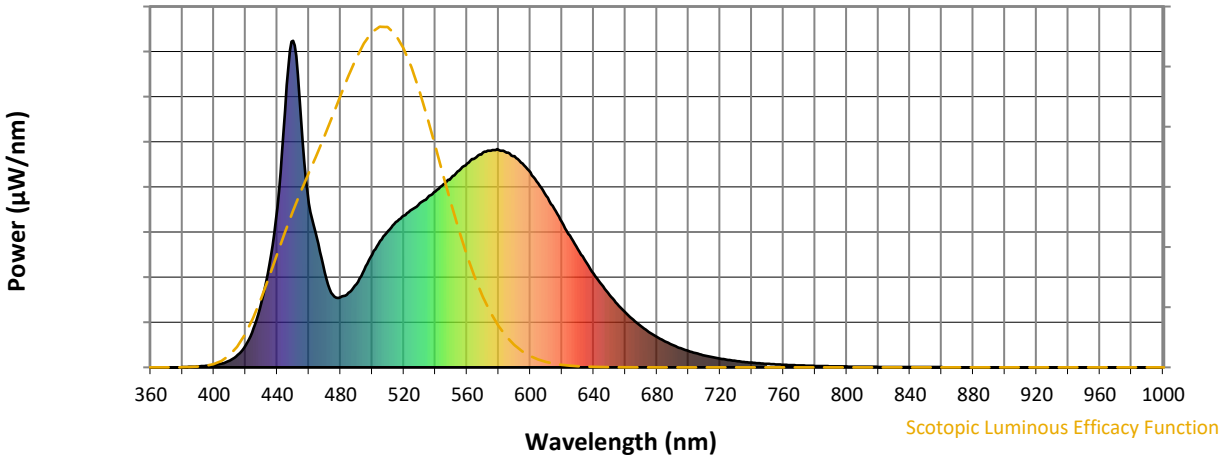


Photopic Lumens: NR

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

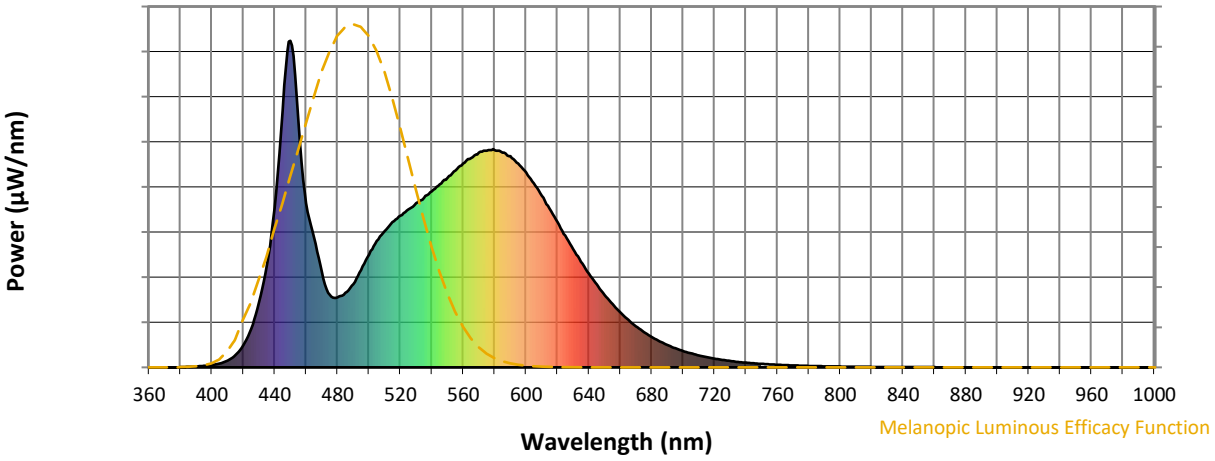


Scotopic Lumens: NR **S/P: 1.87**

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			

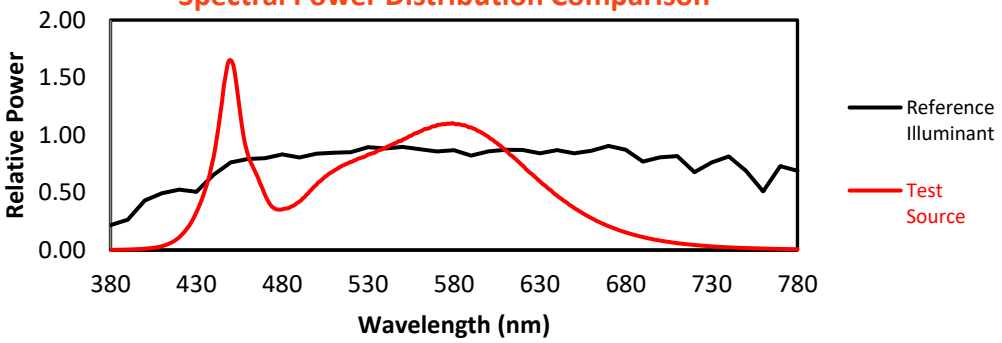
REPORT NUMBER: SP1-2501-332-5

TM-30-18

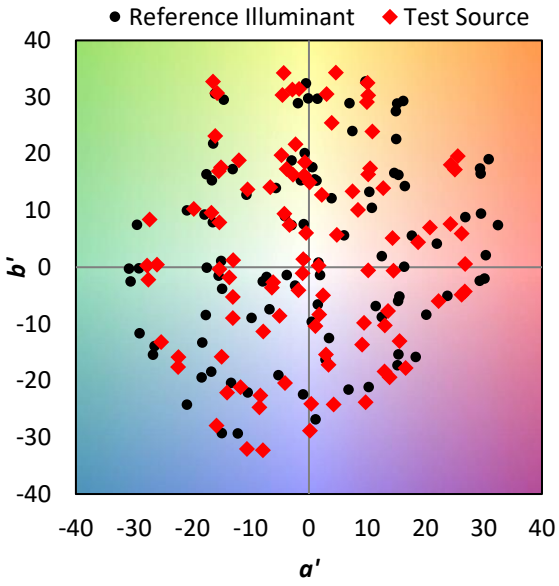
Summary

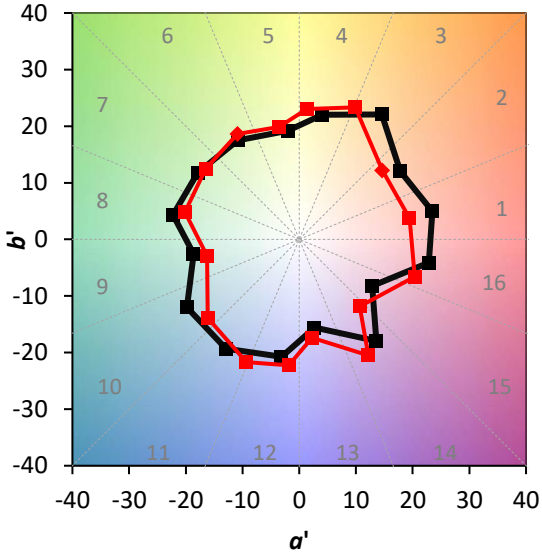
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

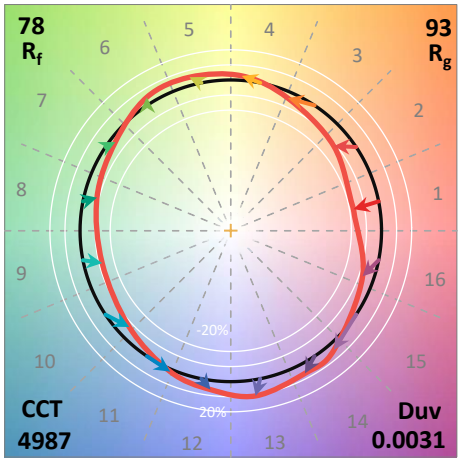
Spectral Power Distribution Comparison

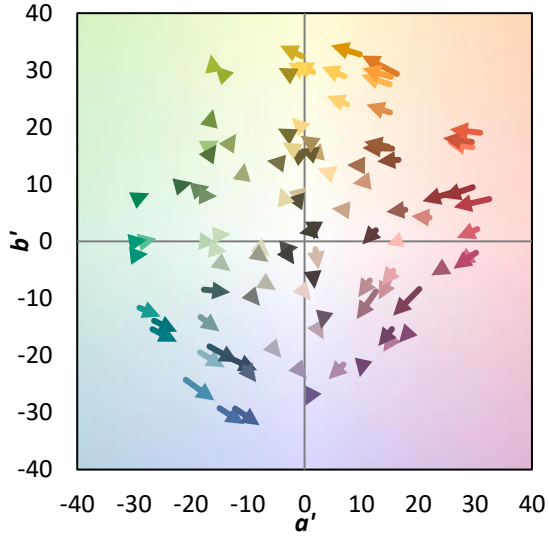


Color Vector Graphics







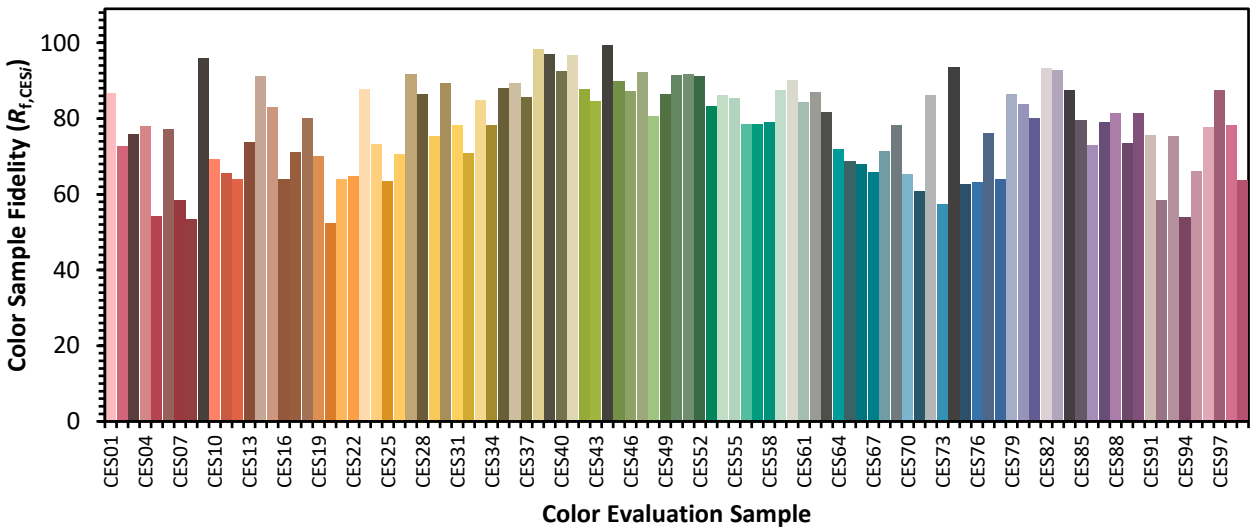


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

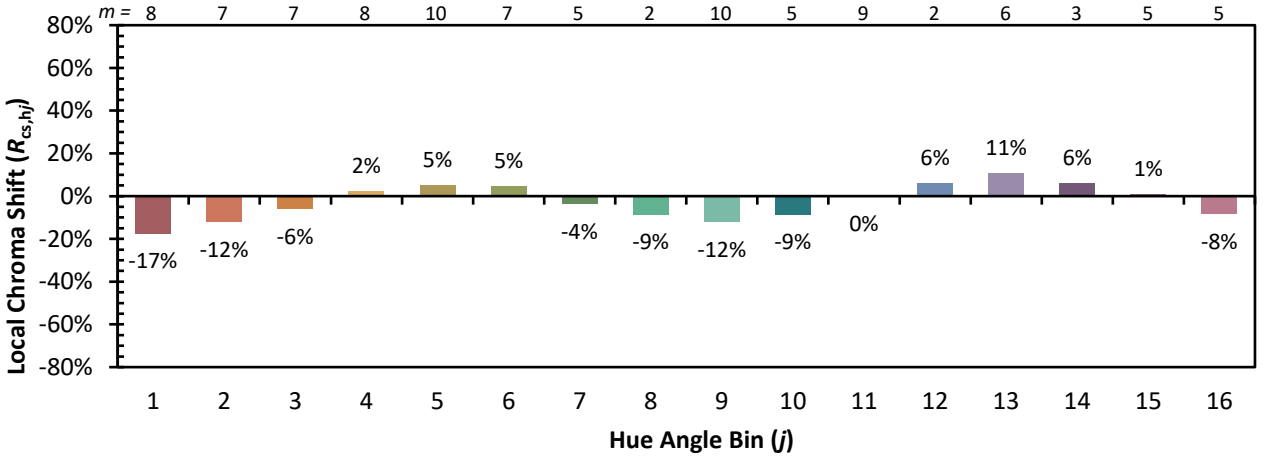
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57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

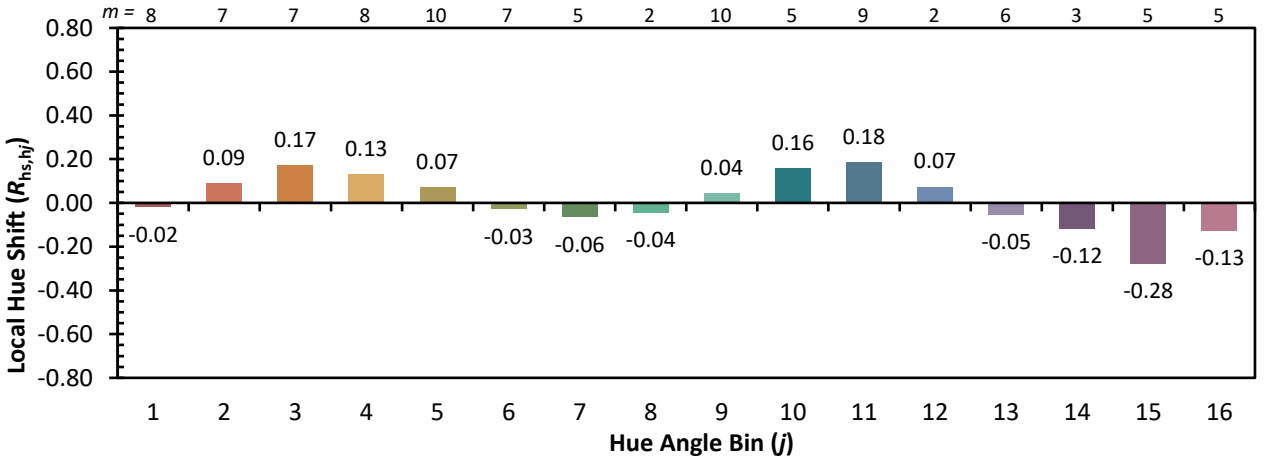


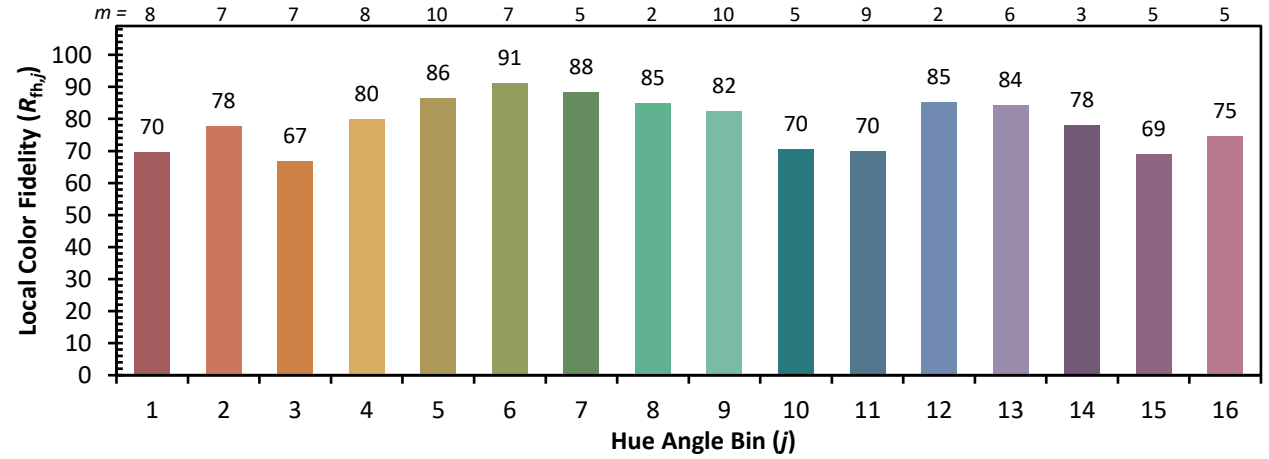
REPORT NUMBER: SP1-2501-332-5

TM-30-18

Color Rendition by Hue-Angle Bin



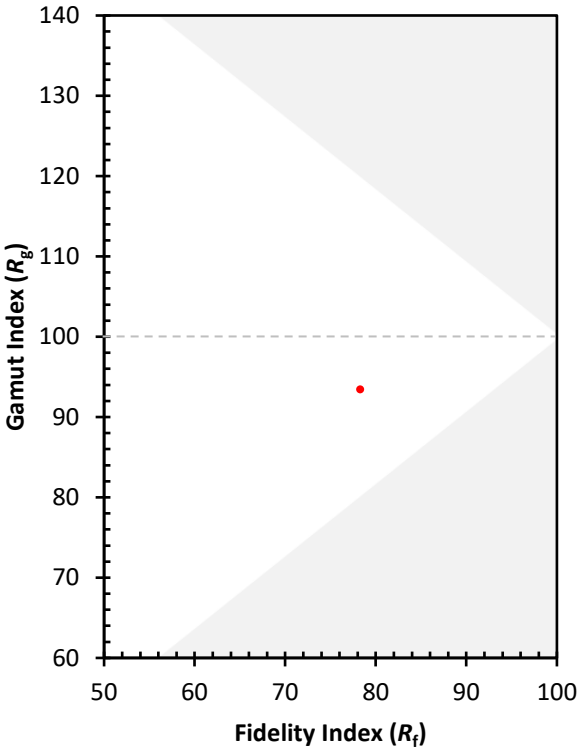


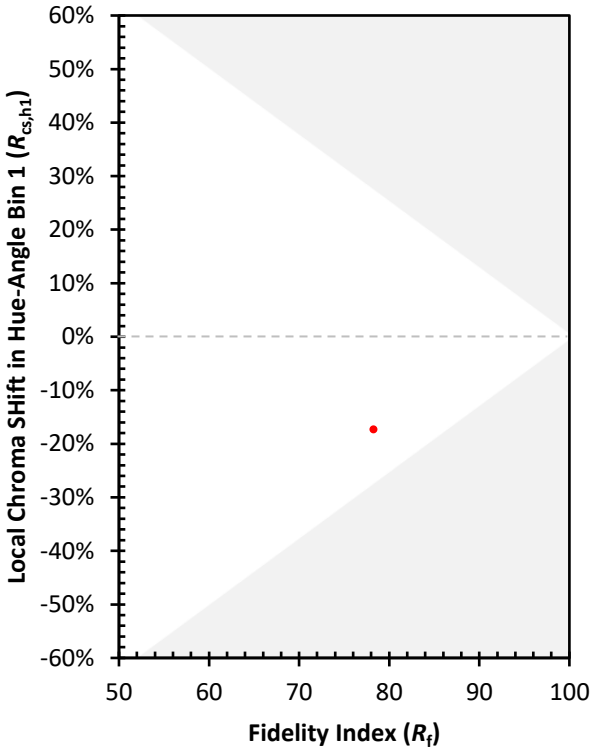


REPORT NUMBER: SP1-2501-332-5

TM-30-18

Measure Comparisons





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