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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501325

Luminaire Tested: GSS-SB1A-740-U-T2LG

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501325
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-740-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4294.3 lumens
Efficiency:	N/A
Efficacy:	138.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

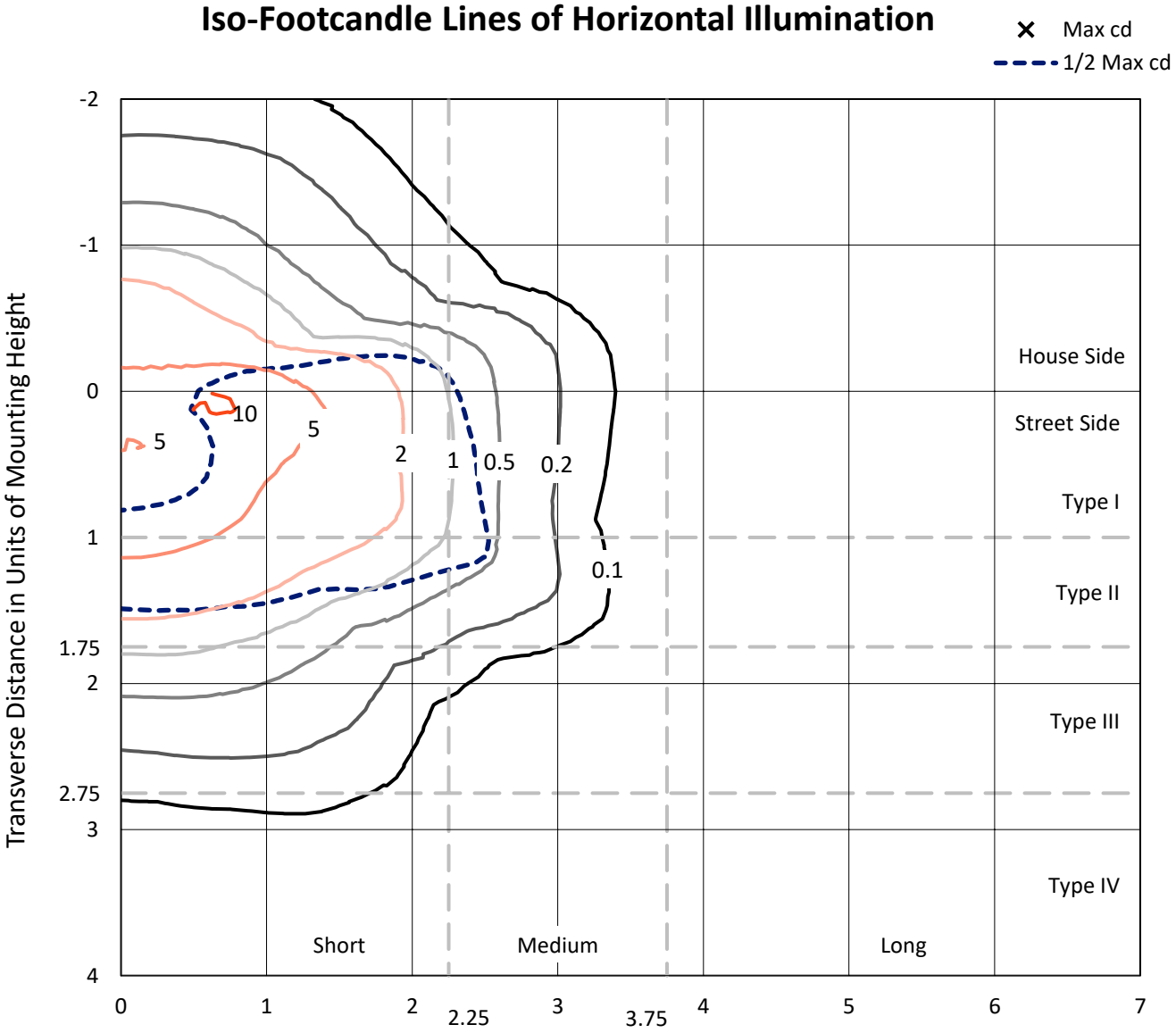
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



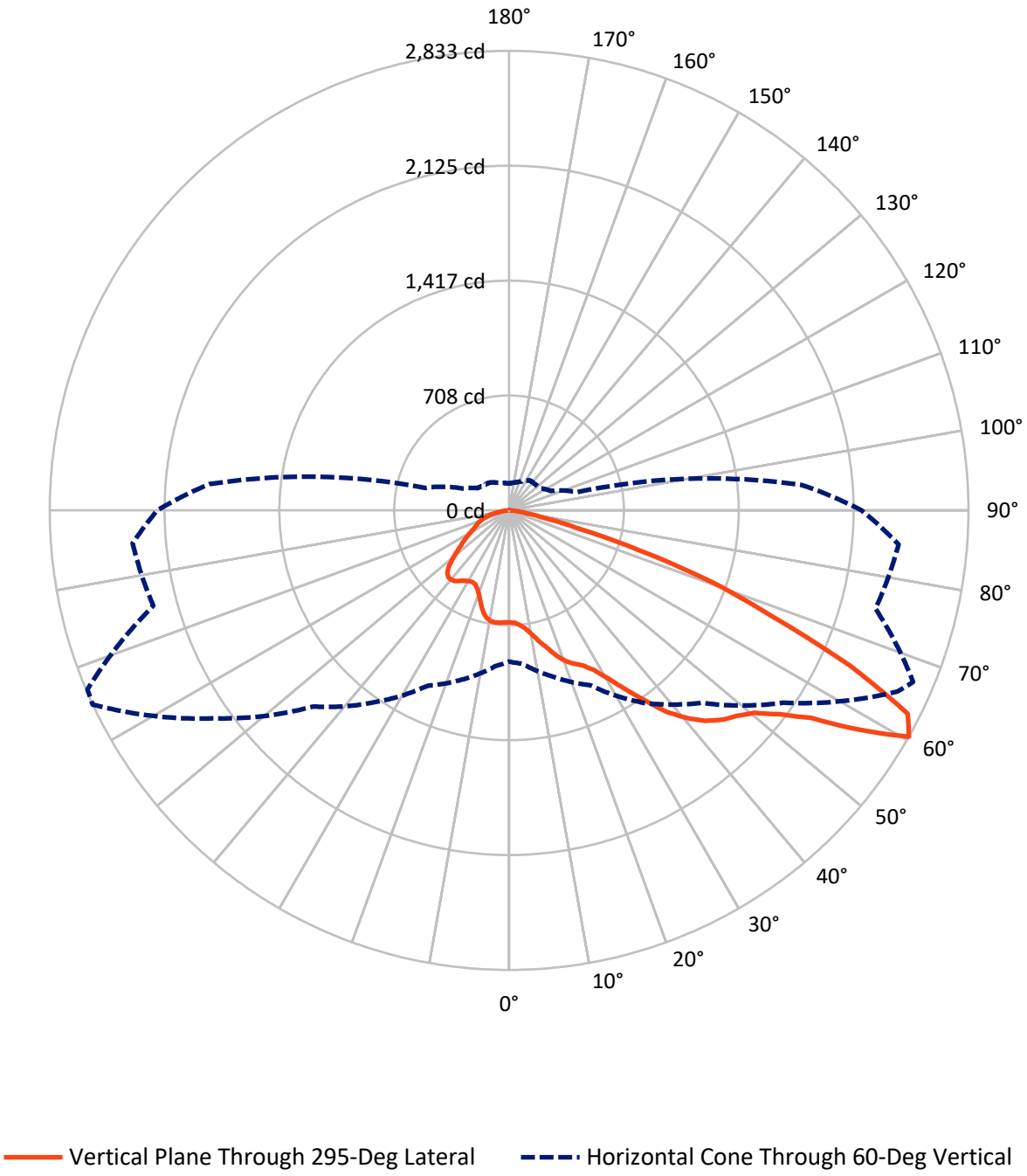
Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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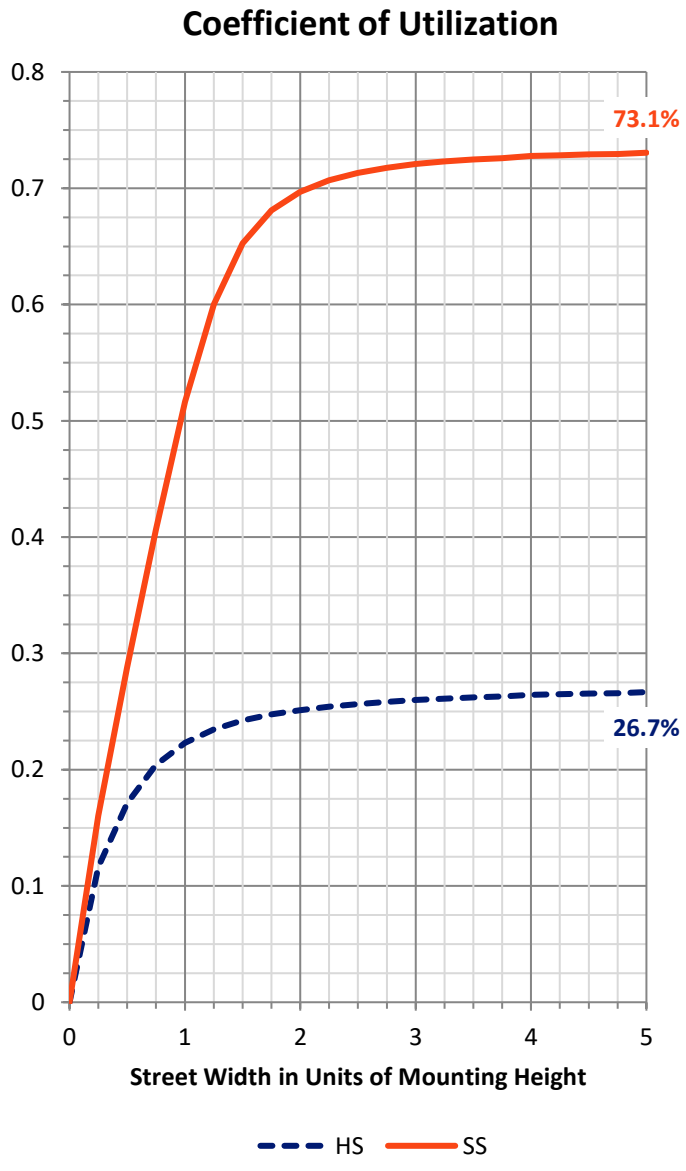
REPORT NUMBER: P1501325
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1154.8	0.0	1154.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3139.5	0.0	3139.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	4294.3	0.0	4294.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.5
10°-20°	186.8	4.3
20°-30°	353.7	8.2
30°-40°	623.6	14.5
40°-50°	922.3	21.5
50°-60°	1083.0	25.2
60°-70°	784.7	18.3
70°-80°	242.0	5.6
80°-90°	33.3	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4294.3	100.0
0°-180°	4294.3	100.0



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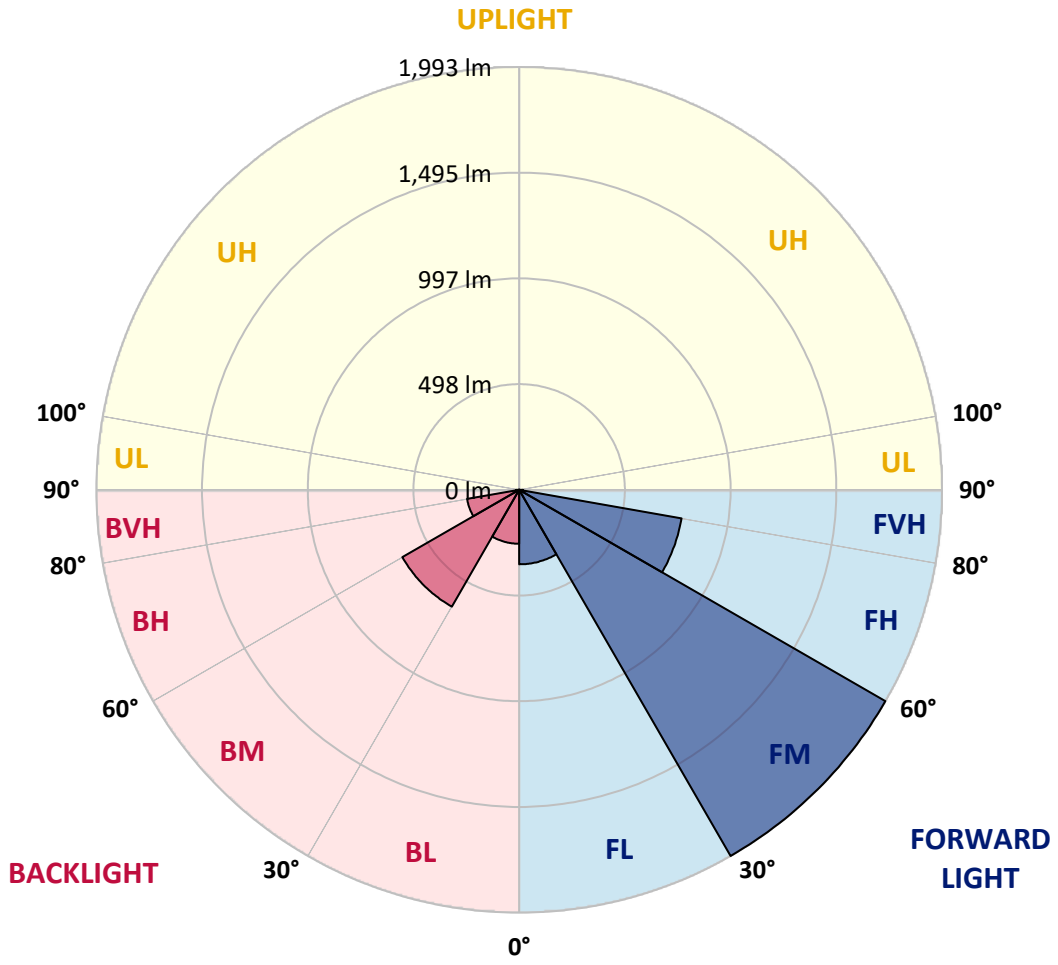
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	351.1	8.2			
FM	(30°-60°)	1993.0	46.4			
FH	(60°-80°)	777.4	18.1			G1/1800
FVH	(80°-90°)	18.0	0.4			G1/100
BL	(0°-30°)	254.3	5.9	B1/500		
BM	(30°-60°)	635.9	14.8	B1/1000		
BH	(60°-80°)	249.3	5.8	B1/500		G1/500
BVH	(80°-90°)	15.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9
2.5°	704.6	706.6	703.7	705.6	705.6	702.7	701.7	697.8	699.7	698.8	697.8
5°	721.3	722.3	720.3	723.2	723.2	724.2	723.2	718.3	718.3	718.3	716.4
7.5°	716.4	716.4	717.4	727.1	736.9	749.7	749.7	747.7	749.7	748.7	739.9
10°	675.3	679.2	688.0	712.5	736.0	763.4	782.0	787.8	787.8	788.8	774.1
12.5°	601.9	604.8	625.4	662.6	711.5	761.4	806.4	835.8	838.7	843.6	824.0
15°	536.3	538.3	552.9	591.1	646.9	735.0	820.1	880.8	890.6	911.1	881.8
17.5°	542.2	541.2	545.1	559.8	599.9	691.9	817.2	933.6	951.3	987.5	962.0
20°	577.4	577.4	580.3	583.3	598.0	660.6	795.7	976.7	1011.0	1081.4	1052.1
22.5°	633.2	633.2	632.2	637.1	637.1	674.3	796.6	1009.0	1059.9	1186.1	1157.8
25°	710.5	706.6	706.6	708.6	699.7	726.2	821.1	1042.3	1108.8	1310.4	1286.0
27.5°	797.6	800.5	798.6	791.7	780.0	800.5	879.8	1094.1	1163.6	1441.6	1431.8
30°	892.5	893.5	895.5	891.6	881.8	896.5	971.8	1172.4	1236.0	1578.6	1600.1
32.5°	985.5	999.2	994.3	984.5	988.4	1014.9	1085.3	1278.1	1343.7	1705.8	1782.1
35°	1103.9	1108.8	1128.4	1092.2	1093.2	1138.2	1230.2	1417.1	1480.7	1837.9	1964.2
37.5°	1276.2	1285.0	1276.2	1219.4	1210.6	1273.2	1371.1	1554.1	1600.1	1937.7	2133.5
40°	1445.5	1456.2	1470.9	1404.4	1348.6	1400.5	1504.2	1658.8	1706.8	1992.6	2246.0
42.5°	1585.4	1603.0	1587.4	1567.8	1516.9	1526.7	1597.2	1740.1	1788.0	2062.0	2359.6
45°	1703.8	1706.8	1713.6	1699.9	1674.5	1665.7	1676.4	1811.5	1864.3	2093.4	2415.3
47.5°	1752.8	1765.5	1771.4	1794.9	1821.3	1803.7	1744.0	1844.8	1892.7	2091.4	2433.0
50°	1726.4	1739.1	1770.4	1826.2	1889.8	1921.1	1823.2	1890.8	1944.6	2126.6	2469.2
52.5°	1656.9	1670.6	1721.5	1785.1	1891.8	1963.2	1934.8	1986.7	2038.6	2189.3	2529.8
55°	1488.5	1509.1	1580.5	1686.2	1833.0	1940.7	2052.3	2127.6	2184.4	2264.6	2592.5
57.5°	1243.9	1265.4	1345.7	1504.2	1724.4	1847.7	2086.5	2391.8	2417.3	2354.7	2598.3
60°	*931.7*	*949.3*	*1062.8*	*1190.1*	*1448.4*	*1677.4*	*2066.9*	*2642.4*	*2707.0*	*2339.0*	*2411.4*
62.5°	737.9	759.4	860.2	919.0	1103.9	1385.8	1998.4	2711.9	2767.7	2209.8	2151.1
65°	576.4	591.1	685.1	769.2	814.2	946.4	1712.7	2372.3	2422.2	1999.4	1775.3
67.5°	380.7	403.2	514.8	630.3	653.7	601.9	1178.3	1825.2	1848.7	1589.3	1334.9
70°	273.0	283.8	367.0	490.3	525.5	403.2	642.0	1381.9	1388.7	1066.7	899.4
72.5°	185.9	187.9	249.6	375.8	418.9	292.6	353.3	910.2	886.7	526.5	514.8
75°	126.2	128.2	159.5	250.5	296.5	203.6	230.0	496.2	476.6	290.7	312.2
77.5°	85.1	87.1	109.6	168.3	197.7	140.9	168.3	262.3	257.4	192.8	167.4
80°	64.6	67.5	81.2	107.7	138.0	82.2	95.9	124.3	126.2	102.8	85.1
82.5°	36.2	40.1	48.9	54.8	89.1	46.0	46.0	74.4	71.4	63.6	46.0
85°	15.7	16.6	19.6	20.6	36.2	19.6	16.6	32.3	33.3	31.3	14.7
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9
2.5°	692.9	698.8	692.9	690.0	690.0	685.1	683.1	683.1	676.3	679.2	677.2
5°	708.6	710.5	703.7	694.8	683.1	673.3	659.6	642.0	631.2	630.3	631.2
7.5°	733.0	734.0	715.4	695.8	666.5	631.2	589.2	554.9	524.6	519.7	525.5
10°	767.3	765.3	737.9	691.9	630.3	555.9	491.3	460.0	442.4	441.4	440.4
12.5°	813.3	800.5	758.5	675.3	567.6	481.5	448.2	446.3	451.2	455.1	456.1
15°	866.1	849.5	775.1	643.0	504.0	454.1	456.1	472.7	478.6	482.5	482.5
17.5°	931.7	910.2	793.7	597.0	471.7	460.0	473.7	489.3	499.1	503.0	502.1
20°	1018.8	973.8	808.4	552.9	462.9	469.8	481.5	497.2	506.9	511.8	511.8
22.5°	1105.9	1050.1	811.3	522.6	462.9	470.7	481.5	497.2	507.9	512.8	511.8
25°	1224.3	1148.0	812.3	501.1	463.9	465.8	475.6	489.3	505.0	509.9	511.8
27.5°	1350.6	1255.6	817.2	496.2	460.0	459.0	465.8	478.6	494.2	506.9	507.9
30°	1507.1	1377.0	819.1	501.1	460.9	448.2	453.1	465.8	482.5	495.2	499.1
32.5°	1660.8	1489.5	815.2	511.8	462.9	441.4	442.4	450.2	467.8	476.6	483.5
35°	1823.2	1608.9	808.4	526.5	463.9	438.4	429.6	433.5	445.3	446.3	449.2
37.5°	1950.5	1698.0	787.8	546.1	465.8	427.7	410.1	407.1	402.2	392.4	394.4
40°	2055.2	1757.7	753.6	555.9	460.9	415.0	385.6	371.9	353.3	338.6	341.6
42.5°	2130.5	1797.8	712.5	557.8	453.1	393.4	357.2	333.7	313.2	297.5	298.5
45°	2163.8	1793.9	668.4	543.2	434.5	367.0	330.8	308.3	285.8	269.1	267.2
47.5°	2164.8	1755.7	607.7	507.9	403.2	336.7	306.3	281.9	263.3	251.5	250.5
50°	2172.6	1734.2	551.0	457.0	362.1	304.4	284.8	260.3	249.6	232.9	228.0
52.5°	2221.6	1769.4	511.8	401.3	323.9	280.9	266.2	244.7	227.0	216.3	215.3
55°	2300.8	1830.1	490.3	359.2	287.7	258.4	248.6	230.0	214.3	203.6	200.6
57.5°	2310.6	1861.4	464.9	320.0	258.4	240.8	236.8	216.3	193.8	185.9	183.0
60°	*2173.6*	*1808.6*	*433.5*	*283.8*	*236.8*	*227.0*	*225.1*	*197.7*	*179.1*	*169.3*	*165.4*
62.5°	1986.7	1676.4	385.6	250.5	220.2	213.3	205.5	184.0	160.5	149.7	146.8
65°	1623.6	1409.3	327.9	228.0	203.6	195.7	193.8	164.4	148.8	142.9	141.9
67.5°	1230.2	1132.3	288.7	211.4	185.9	183.0	176.2	166.4	159.5	152.7	150.7
70°	870.0	817.2	245.6	189.9	168.3	163.4	191.8	181.1	156.6	147.8	146.8
72.5°	527.5	512.8	212.4	170.3	144.8	152.7	177.1	163.4	140.9	130.2	126.2
75°	332.7	304.4	178.1	144.8	115.5	124.3	154.6	145.8	121.4	110.6	107.7
77.5°	181.1	168.3	134.1	118.4	91.0	100.8	135.1	120.4	96.9	105.7	94.0
80°	79.3	88.1	89.1	68.5	60.7	74.4	96.9	94.0	74.4	75.4	62.6
82.5°	38.2	49.9	57.7	47.0	34.3	44.0	64.6	53.8	49.9	47.0	45.0
85°	11.7	18.6	25.4	22.5	15.7	18.6	30.3	29.4	35.2	30.3	28.4
87.5°	3.9	3.9	2.9	2.9	2.9	3.9	4.9	2.9	1.0	1.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9
2.5°	676.3	677.2	677.2	678.2	678.2	681.1	685.1	689.0	686.0	690.0	690.9
5°	629.3	634.2	638.1	652.8	664.5	674.3	685.1	694.8	697.8	699.7	704.6
7.5°	518.7	532.4	557.8	591.1	628.3	664.5	689.0	714.4	718.3	723.2	730.1
10°	441.4	447.2	464.9	499.1	565.7	637.1	696.8	736.9	753.6	763.4	770.2
12.5°	454.1	450.2	447.2	452.1	495.2	587.2	691.9	769.2	800.5	811.3	820.1
15°	484.4	480.5	469.8	456.1	460.9	534.3	675.3	799.6	849.5	867.1	885.7
17.5°	502.1	498.1	489.3	474.7	461.9	490.3	644.0	827.0	926.8	948.3	974.7
20°	511.8	507.9	499.1	484.4	469.8	473.7	603.8	861.2	1014.9	1049.1	1088.3
22.5°	513.8	508.9	499.1	484.4	475.6	472.7	565.7	881.8	1109.8	1162.6	1207.7
25°	512.8	504.0	491.3	480.5	475.6	474.7	539.2	893.5	1212.6	1296.7	1347.6
27.5°	506.0	495.2	482.5	474.7	472.7	478.6	527.5	907.2	1332.9	1440.6	1521.8
30°	498.1	482.5	466.8	463.9	468.8	487.4	537.3	912.1	1459.2	1597.2	1680.4
32.5°	477.6	465.8	450.2	449.2	460.9	494.2	559.8	905.3	1570.8	1753.8	1858.5
35°	448.2	441.4	432.6	435.5	454.1	500.1	575.5	883.7	1672.5	1899.6	2021.9
37.5°	396.4	401.3	406.1	413.0	436.5	499.1	582.3	849.5	1756.7	2016.0	2172.6
40°	338.6	355.3	370.9	388.5	419.8	491.3	584.3	807.4	1805.6	2104.1	2306.7
42.5°	302.4	318.1	337.6	363.1	397.3	473.7	582.3	760.4	1821.3	2164.8	2391.8
45°	269.1	287.7	312.2	338.6	377.8	448.2	564.7	709.5	1829.1	2193.2	2428.1
47.5°	251.5	262.3	284.8	311.2	352.3	416.9	530.4	672.3	1817.4	2199.1	2472.1
50°	231.0	245.6	260.3	285.8	325.9	377.8	489.3	650.8	1836.9	2256.8	2541.6
52.5°	215.3	223.1	238.8	262.3	291.6	341.6	450.2	633.2	1890.8	2315.5	2614.0
55°	203.6	212.4	222.2	241.7	264.2	305.3	410.1	606.8	1953.4	2378.1	2686.4
57.5°	185.0	190.8	204.5	225.1	239.8	270.1	363.1	575.5	1948.5	2329.2	2561.2
60°	*168.3*	*174.2*	*188.9*	*209.4*	*218.2*	*238.8*	*317.1*	*535.3*	*1854.6*	*2169.7*	*2330.2*
62.5°	149.7	156.6	174.2	188.9	196.7	212.4	269.1	461.9	1658.8	1929.9	2060.1
65°	141.9	145.8	157.6	175.2	174.2	188.9	227.0	363.1	1334.9	1474.8	1593.3
67.5°	150.7	156.6	154.6	159.5	156.6	164.4	203.6	291.6	1049.1	1110.8	1179.3
70°	148.8	162.5	169.3	159.5	137.0	145.8	176.2	232.9	750.6	744.8	741.8
72.5°	130.2	143.9	163.4	173.2	134.1	121.4	152.7	201.6	481.5	479.5	433.5
75°	110.6	120.4	143.9	156.6	115.5	97.9	131.1	171.3	287.7	291.6	260.3
77.5°	101.8	96.9	120.4	138.0	94.0	75.4	105.7	129.2	158.5	160.5	148.8
80°	73.4	70.5	90.0	100.8	71.4	53.8	59.7	80.3	85.1	76.3	79.3
82.5°	47.0	48.0	53.8	64.6	44.0	29.4	41.1	53.8	46.0	37.2	44.0
85°	30.3	34.3	28.4	33.3	13.7	13.7	17.6	23.5	15.7	10.8	11.7
87.5°	0.0	0.0	2.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1501325
CATALOG NUMBER: GSS-SB1A-740-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	690.9	690.9	*690.9*	690.9	690.9	690.9	690.9	690.9	690.9	690.9
2.5°	693.9	692.9	*692.9*	694.8	699.7	701.7	704.6	703.7	706.6	704.6
5°	707.6	708.6	*711.5*	712.5	715.4	719.3	720.3	719.3	721.3	721.3
7.5°	735.0	738.9	*736.9*	741.8	737.9	733.0	725.2	719.3	714.4	716.4
10°	781.0	779.0	*778.0*	769.2	751.6	726.2	705.6	683.1	679.2	675.3
12.5°	831.9	829.9	*829.9*	799.6	749.7	696.8	649.8	614.6	602.9	601.9
15°	903.3	890.6	*878.8*	815.2	715.4	625.4	570.6	543.2	536.3	536.3
17.5°	992.4	959.1	*939.5*	803.5	659.6	578.4	546.1	539.2	537.3	542.2
20°	1103.0	1018.8	*990.4*	777.1	639.1	584.3	568.6	569.6	570.6	577.4
22.5°	1224.3	1073.6	*1026.6*	777.1	659.6	621.4	613.6	624.4	627.3	633.2
25°	1359.4	1122.5	*1058.9*	818.2	720.3	691.9	682.1	692.9	700.7	710.5
27.5°	1511.1	1173.4	*1114.7*	892.5	798.6	781.0	770.2	775.1	785.9	797.6
30°	1647.1	1258.6	*1199.8*	1006.1	905.3	883.7	865.1	873.0	884.7	892.5
32.5°	1767.5	1362.3	*1312.4*	1125.5	1027.6	990.4	969.9	967.9	991.4	985.5
35°	1878.1	1484.6	*1436.7*	1261.5	1151.9	1105.9	1078.5	1113.7	1098.1	1103.9
37.5°	1965.2	1611.9	*1573.7*	1391.7	1281.1	1218.4	1201.8	1244.9	1269.3	1276.2
40°	2036.6	1722.4	*1682.3*	1520.8	1399.5	1353.5	1379.9	1451.4	1448.4	1445.5
42.5°	2091.4	1817.4	*1773.3*	1618.7	1513.0	1521.8	1542.4	1590.3	1602.1	1585.4
45°	2115.9	1877.1	*1841.8*	1696.0	1642.2	1693.1	1701.9	1722.4	1714.6	1703.8
47.5°	2144.2	1929.9	*1892.7*	1766.5	1782.1	1832.1	1814.4	1797.8	1769.4	1752.8
50°	2192.2	1992.6	*1961.2*	1869.2	1926.0	1909.4	1840.9	1803.7	1745.9	1726.4
52.5°	2283.2	2111.0	*2087.5*	2031.7	1993.5	1897.6	1814.4	1747.9	1683.3	1656.9
55°	2364.4	2271.5	*2257.8*	2183.4	1973.0	1836.0	1724.4	1621.6	1511.1	1488.5
57.5°	2411.4	2537.7	*2553.3*	2248.0	1879.0	1696.0	1531.6	1367.2	1262.5	1243.9
60°	*2271.5*	*2825.4*	*2833.2*	*2235.3*	*1709.7*	*1443.5*	*1193.0*	*1076.5*	*964.0*	*931.7*
62.5°	2078.7	2765.7	*2758.8*	2158.9	1361.3	1053.0	906.2	851.4	764.3	737.9
65°	1787.0	2303.8	*2311.6*	1865.3	905.3	761.4	761.4	691.9	595.0	576.4
67.5°	1456.2	1776.3	*1758.7*	1209.6	555.9	609.7	639.1	539.2	403.2	380.7
70°	946.4	1356.4	*1332.0*	697.8	349.4	507.9	503.0	405.2	288.7	273.0
72.5°	407.1	783.9	*833.8*	356.2	263.3	409.1	401.3	283.8	192.8	185.9
75°	245.6	394.4	*429.6*	227.0	191.8	308.3	277.9	180.1	131.1	126.2
77.5°	155.6	216.3	*214.3*	170.3	143.9	208.5	186.9	124.3	89.1	85.1
80°	90.0	106.7	*110.6*	106.7	96.9	148.8	119.4	90.0	69.5	64.6
82.5°	57.7	66.5	*67.5*	51.9	53.8	95.9	64.6	52.8	40.1	36.2
85°	25.4	28.4	*27.4*	17.6	17.6	39.1	22.5	21.5	15.7	15.7
87.5°	1.0	2.0	*1.0*	1.0	1.0	3.9	2.0	2.9	2.9	2.9
90°	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

McGraw-Edison

Report Number: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

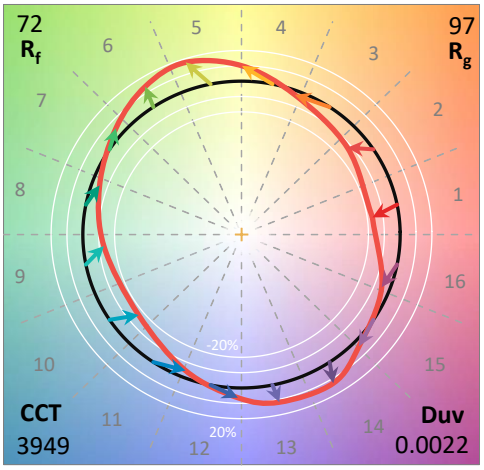
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

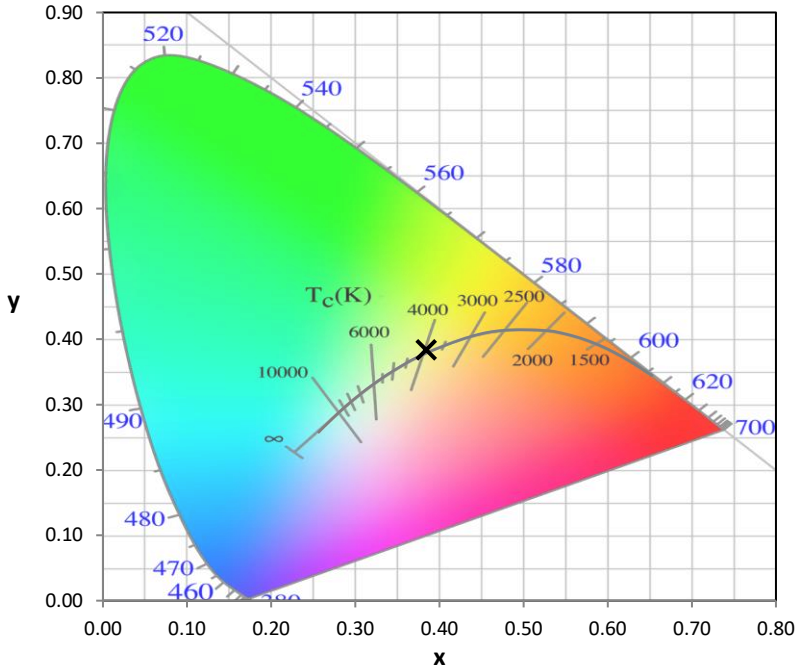
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

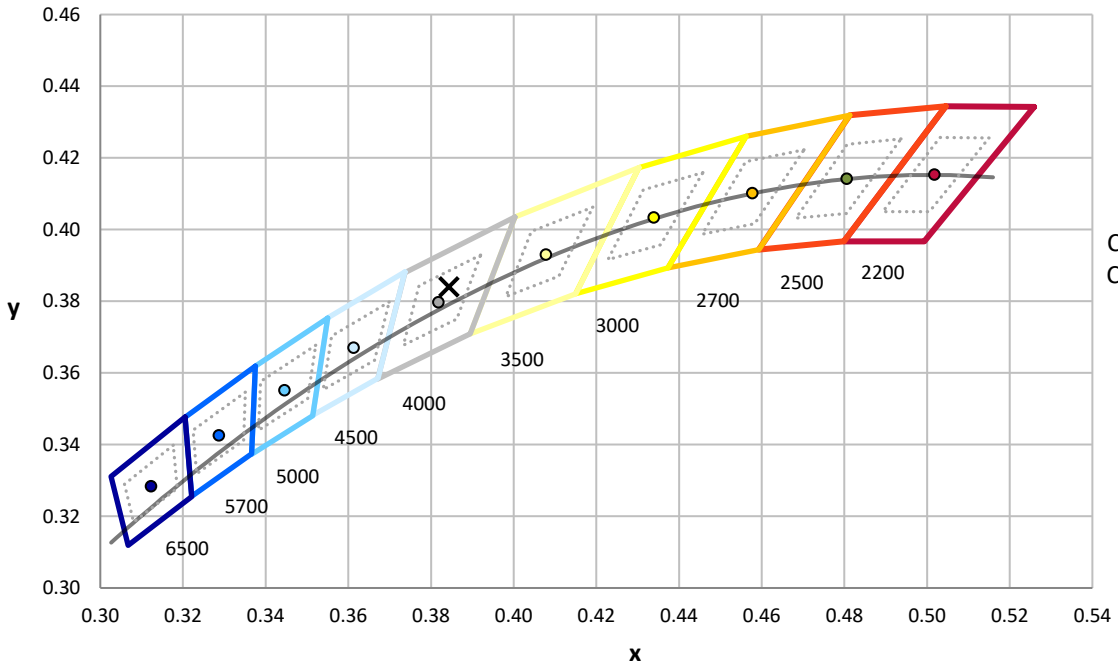
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

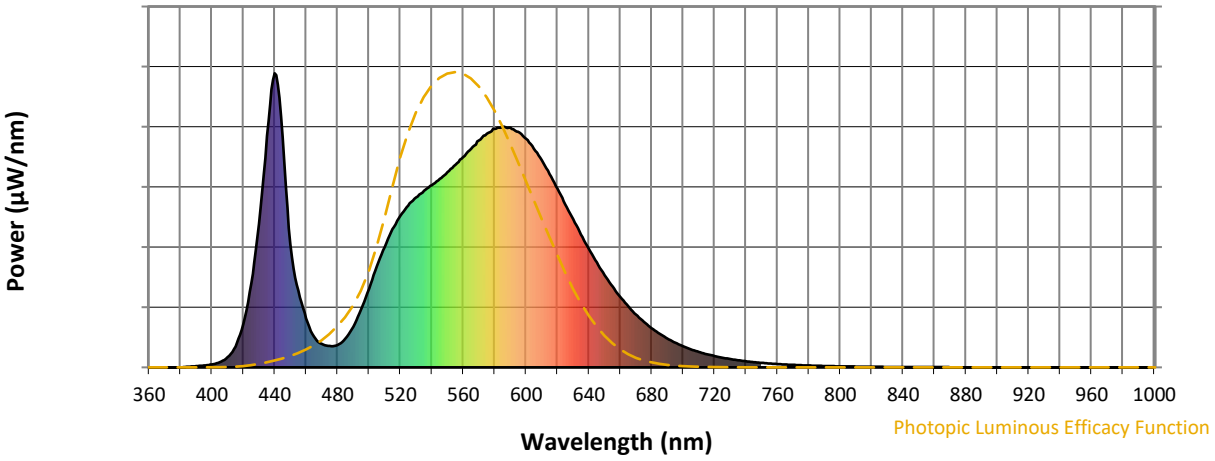


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

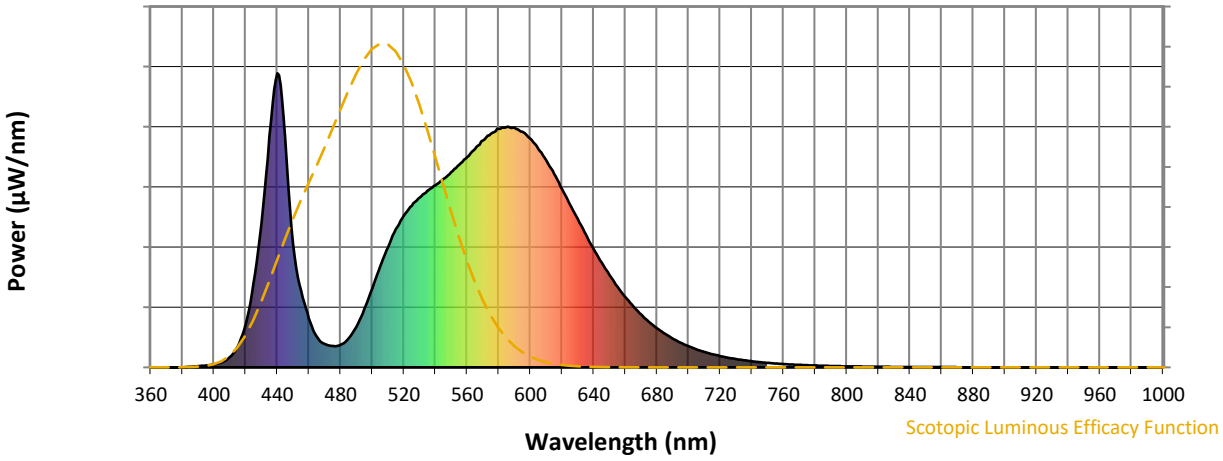


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

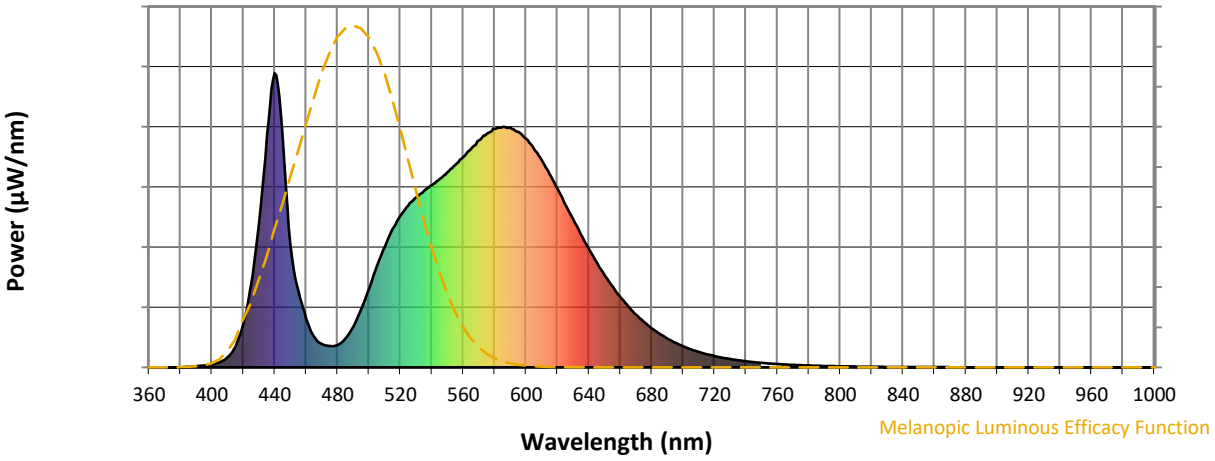


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

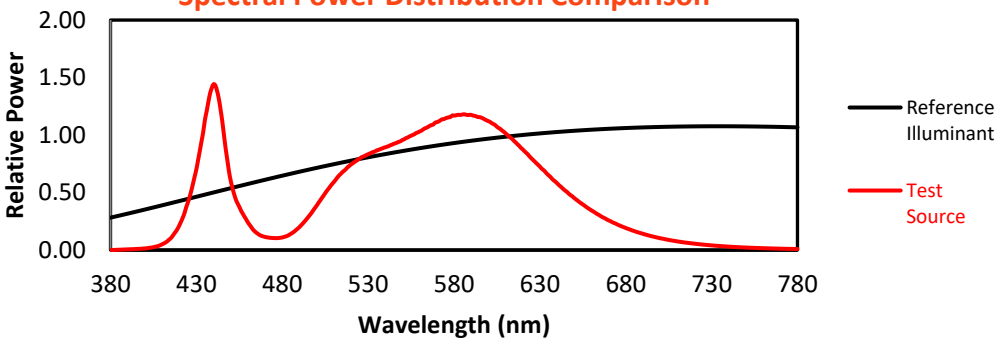
REPORT NUMBER: SP1-2407-184-1

TM-30-18

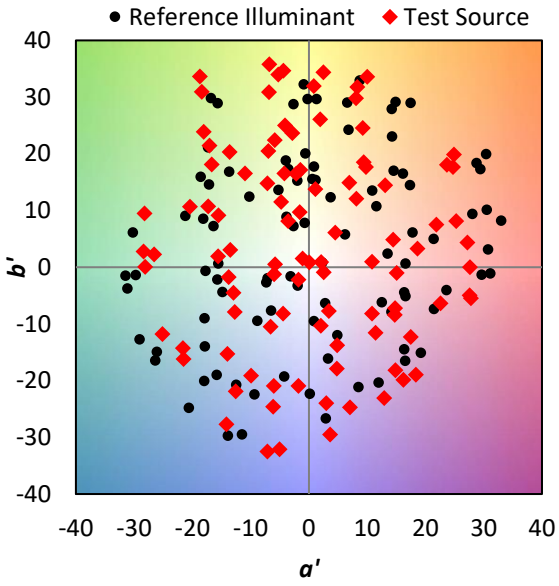
Summary

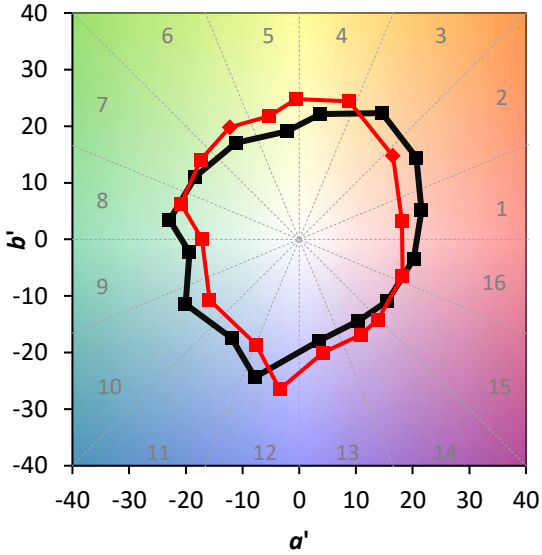
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

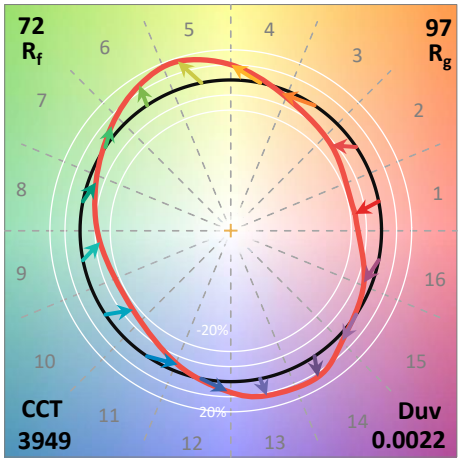
Spectral Power Distribution Comparison

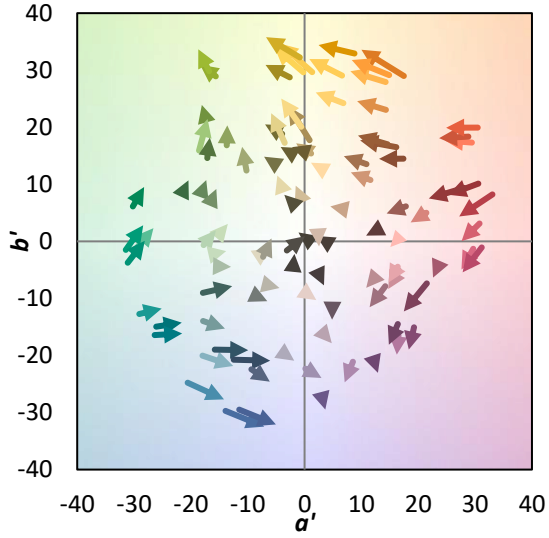


Color Vector Graphics







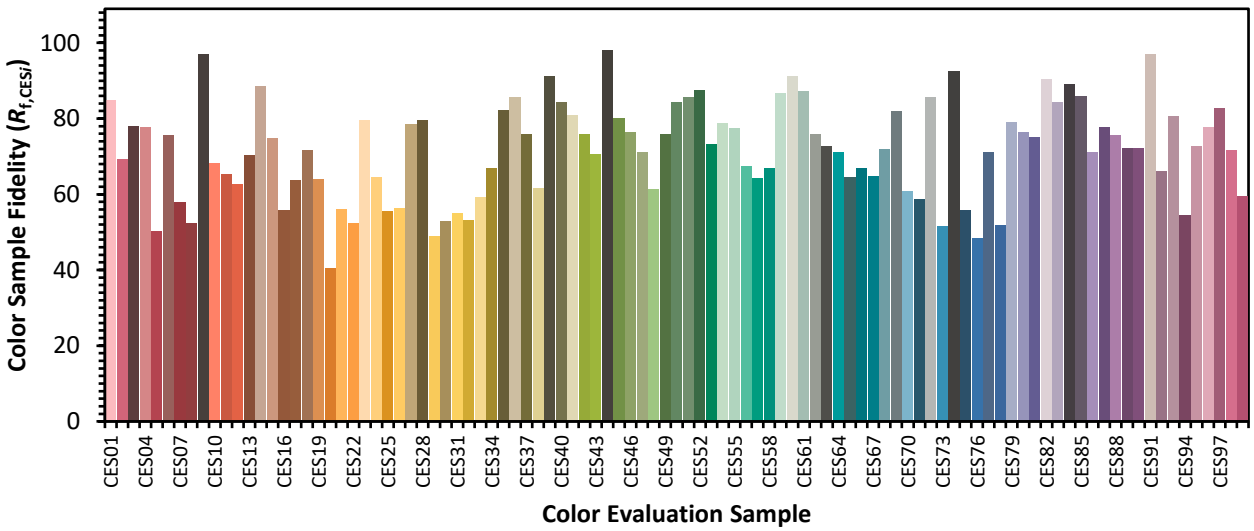


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

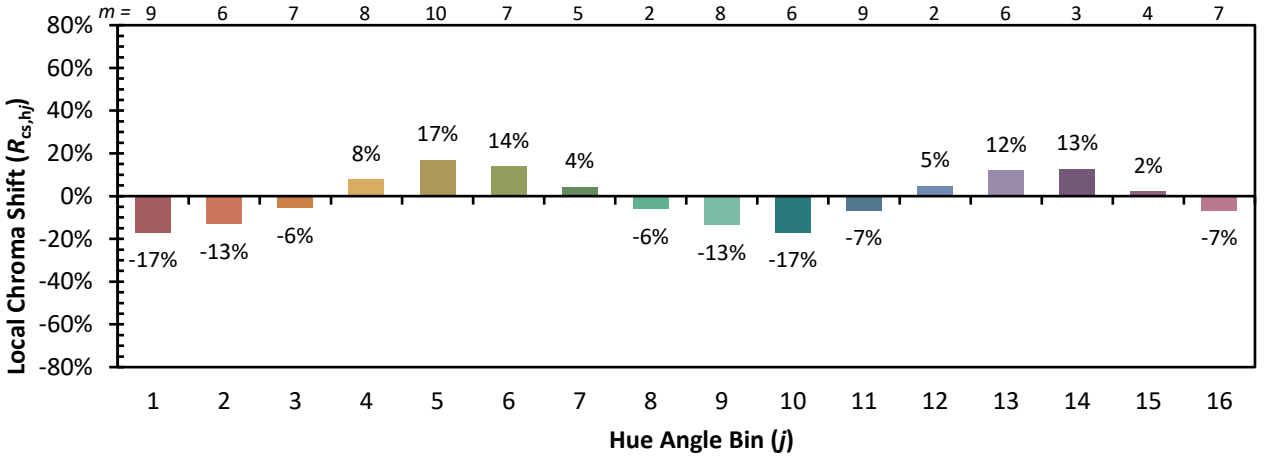
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

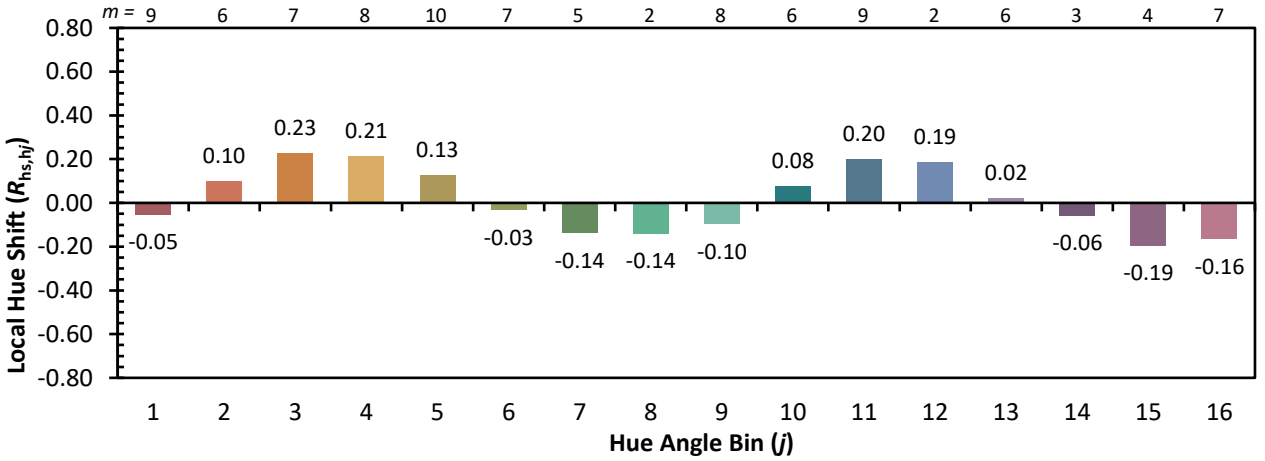


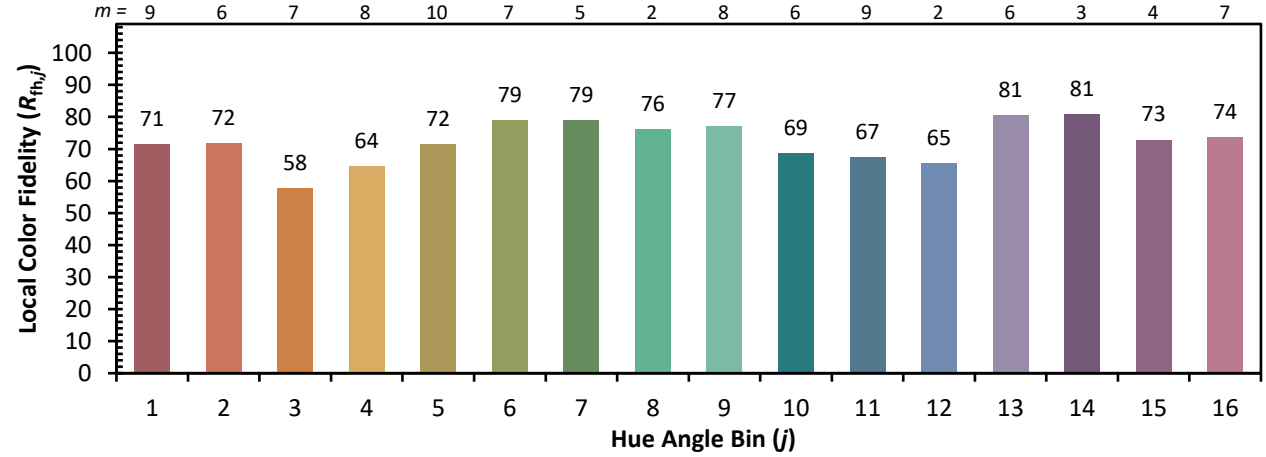
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Color Rendition by Hue-Angle Bin



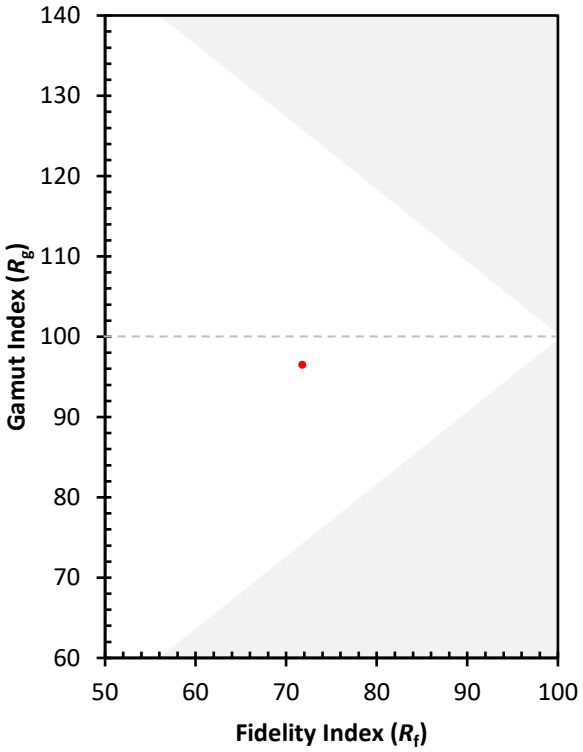


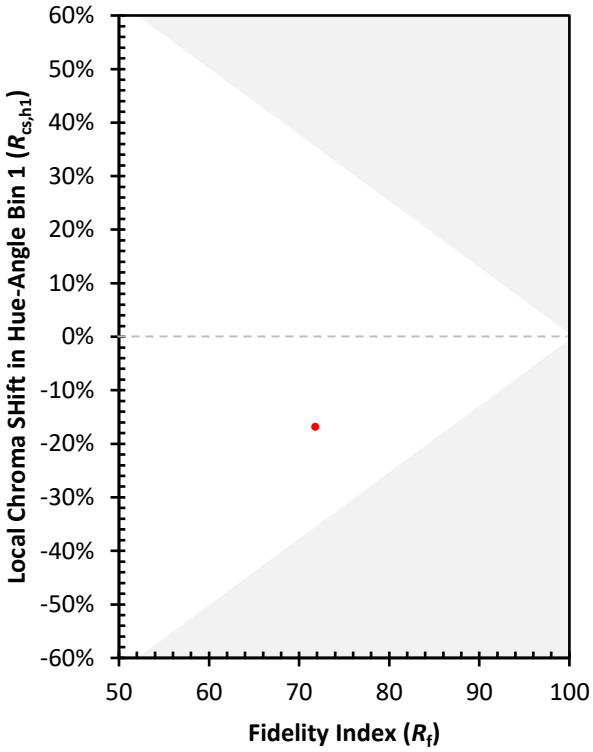


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Measure Comparisons





(END OF REPORT)