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: P1501397

Luminaire Tested: GSS-SB1A-730-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501397
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4058.1 lumens
Efficiency:	N/A
Efficacy:	130.9 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

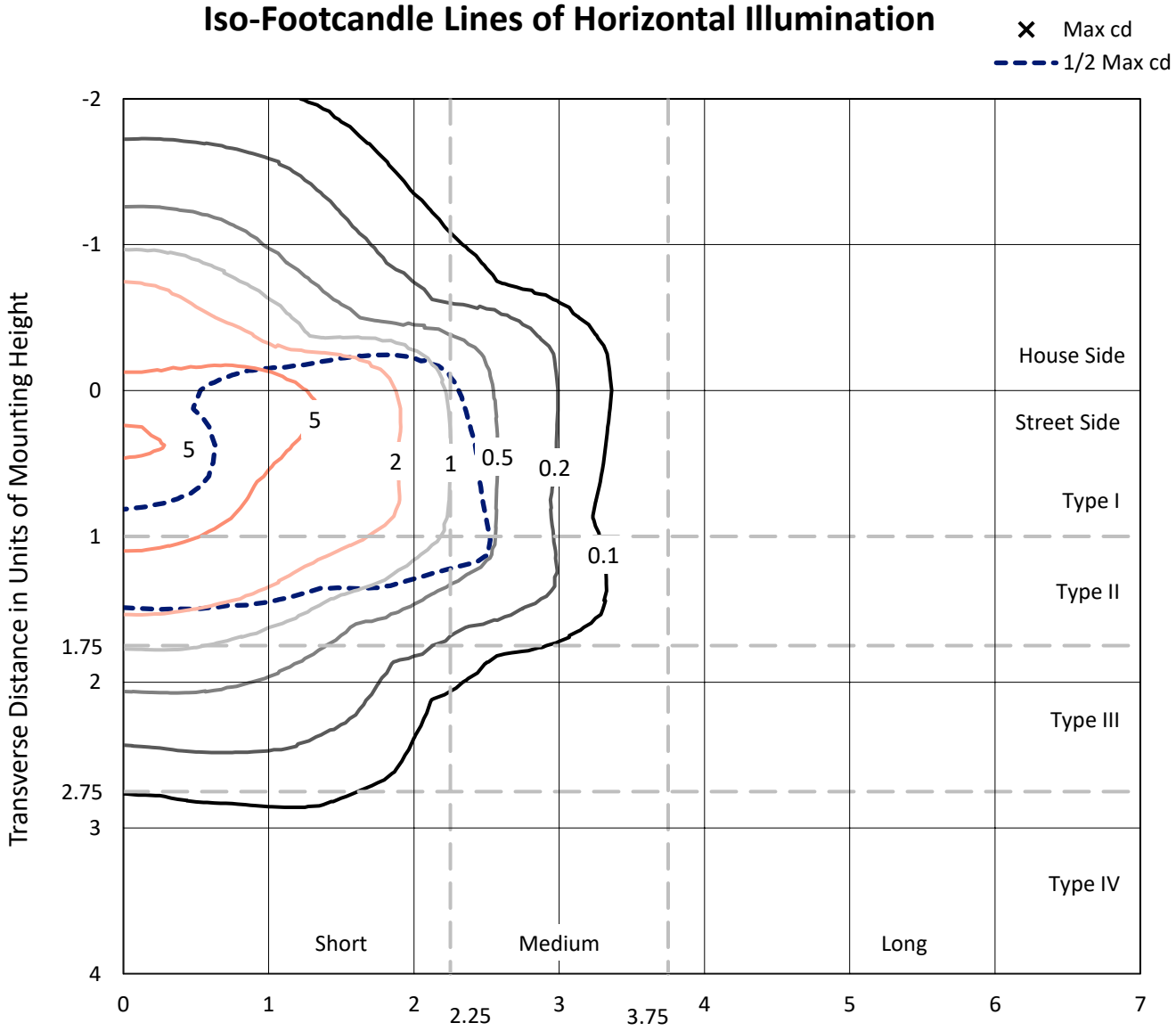
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



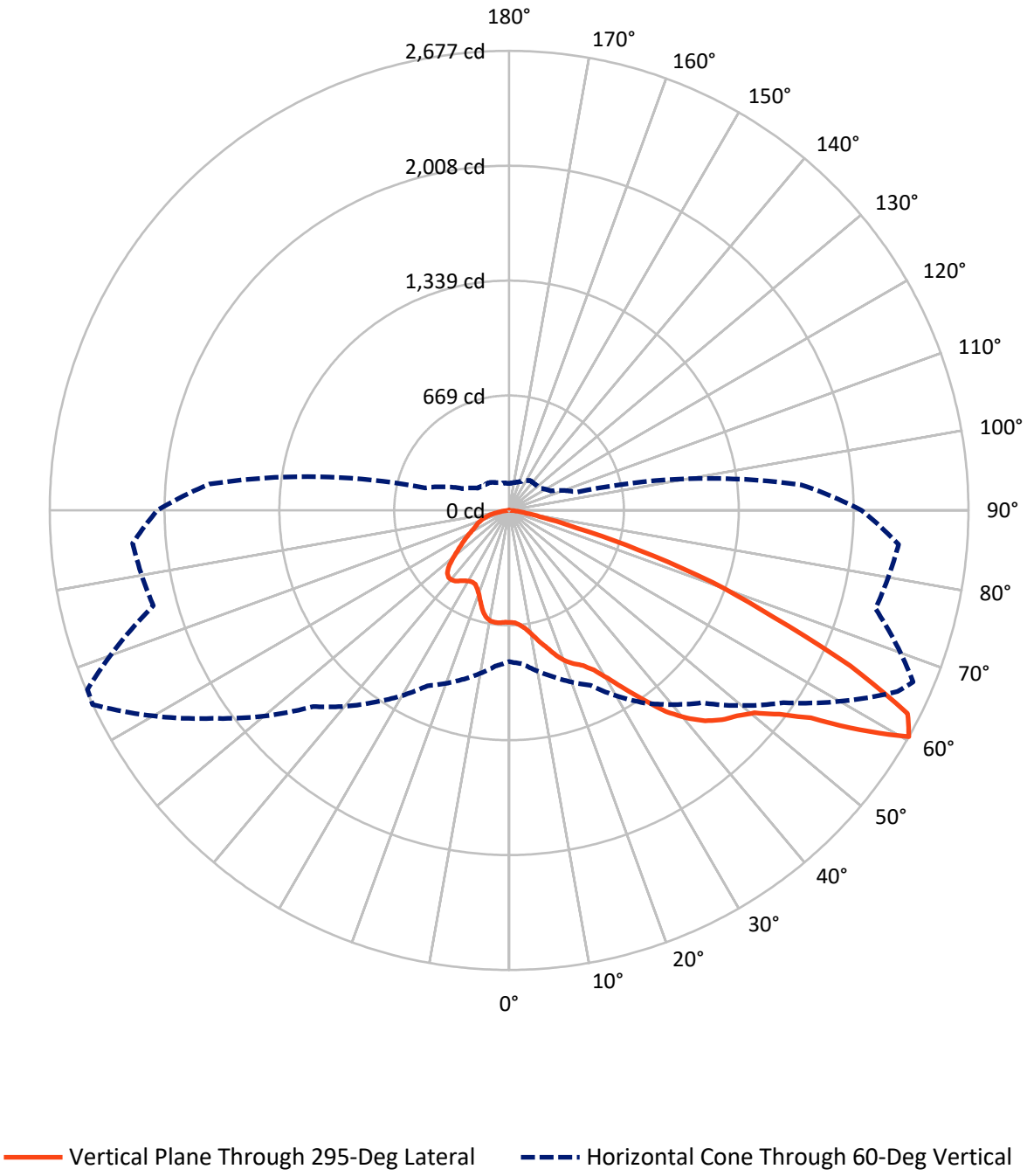
Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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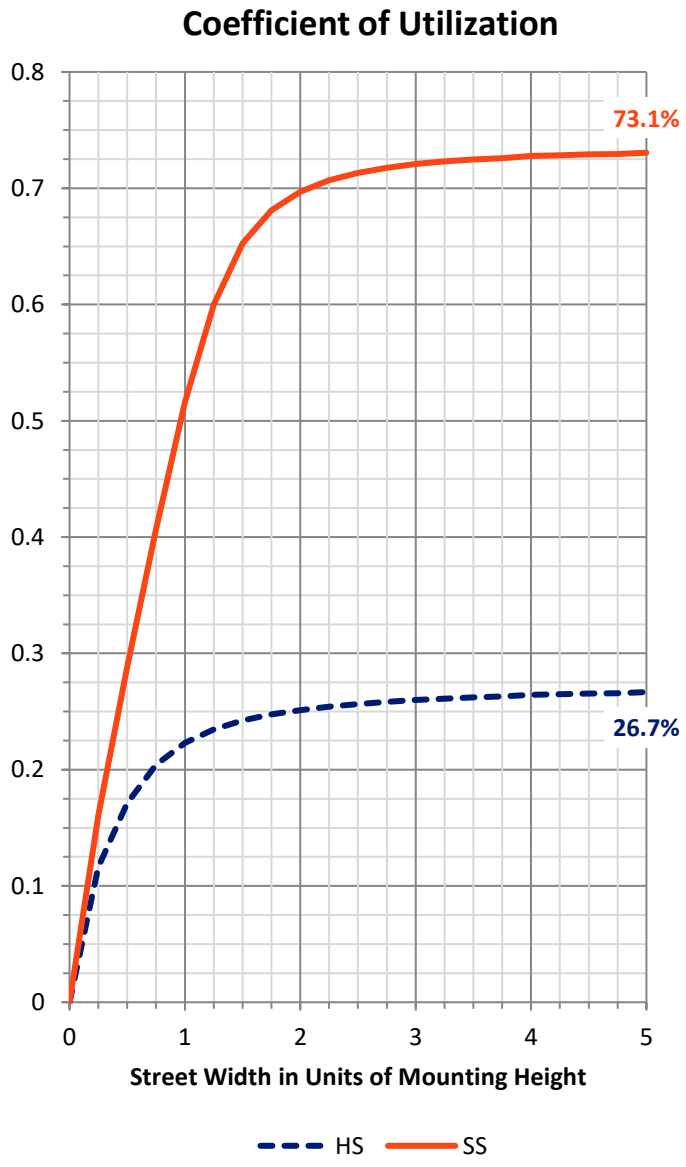
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1091.3	0.0	1091.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2966.8	0.0	2966.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	4058.1	0.0	4058.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.5
10°-20°	176.5	4.3
20°-30°	334.3	8.2
30°-40°	589.3	14.5
40°-50°	871.5	21.5
50°-60°	1023.4	25.2
60°-70°	741.5	18.3
70°-80°	228.7	5.6
80°-90°	31.5	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°	4058.1	100.0
0°-180°	4058.1	100.0



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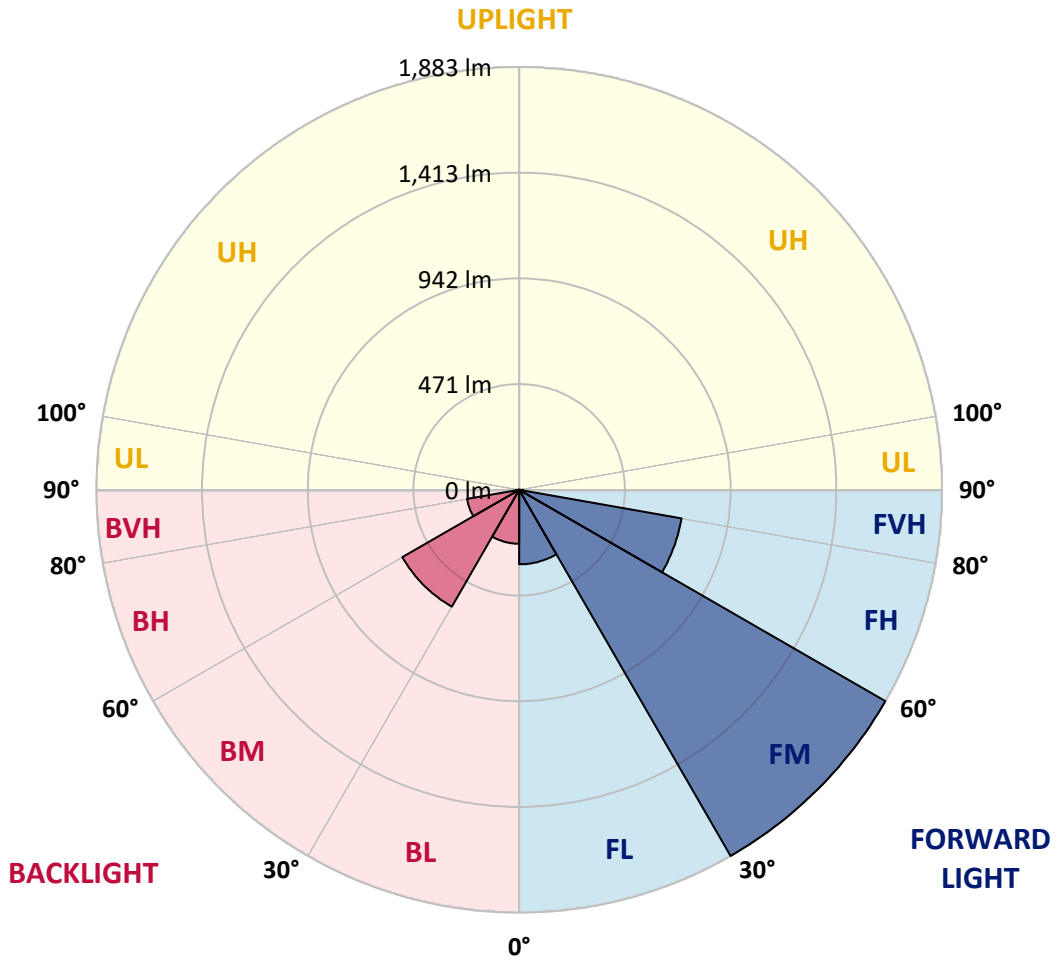
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	331.8	8.2			
FM	(30°-60°)	1883.4	46.4			
FH	(60°-80°)	734.6	18.1			G1/1800
FVH	(80°-90°)	17.0	0.4			G1/100
BL	(0°-30°)	240.3	5.9	B1/500		
BM	(30°-60°)	600.9	14.8	B1/1000		
BH	(60°-80°)	235.6	5.8	B1/500		G1/500
BVH	(80°-90°)	14.5	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°	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	665.9	667.7	665.0	666.8	666.8	664.0	663.1	659.4	661.3	660.3	659.4
5°	681.6	682.5	680.7	683.5	683.5	684.4	683.5	678.8	678.8	678.8	677.0
7.5°	677.0	677.0	677.9	687.2	696.4	708.4	708.4	706.6	708.4	707.5	699.2
10°	638.1	641.8	650.2	673.3	695.5	721.4	738.9	744.5	744.5	745.4	731.5
12.5°	568.8	571.5	591.0	626.1	672.4	719.5	762.1	789.8	792.6	797.2	778.7
15°	506.8	508.7	522.5	558.6	611.3	694.6	775.0	832.4	841.6	861.0	833.3
17.5°	512.4	511.4	515.1	529.0	566.9	653.9	772.2	882.3	898.9	933.2	909.1
20°	545.7	545.7	548.4	551.2	565.1	624.3	751.9	923.0	955.4	1021.9	994.2
22.5°	598.4	598.4	597.4	602.1	602.1	637.2	752.8	953.5	1001.6	1120.9	1094.1
25°	671.4	667.7	667.7	669.6	661.3	686.2	775.9	984.9	1047.8	1238.4	1215.2
27.5°	753.7	756.5	754.7	748.2	737.1	756.5	831.4	1034.0	1099.6	1362.3	1353.0
30°	843.4	844.4	846.2	842.5	833.3	847.1	918.4	1108.0	1168.1	1491.8	1512.1
32.5°	931.3	944.3	939.6	930.4	934.1	959.1	1025.6	1207.8	1269.8	1612.0	1684.1
35°	1043.2	1047.8	1066.3	1032.1	1033.0	1075.6	1162.5	1339.2	1399.3	1736.8	1856.1
37.5°	1206.0	1214.3	1206.0	1152.3	1144.0	1203.2	1295.7	1468.6	1512.1	1831.2	2016.1
40°	1366.0	1376.2	1390.0	1327.1	1274.4	1323.4	1421.5	1567.6	1612.9	1883.0	2122.5
42.5°	1498.2	1514.9	1500.1	1481.6	1433.5	1442.7	1509.3	1644.4	1689.7	1948.6	2229.8
45°	1610.1	1612.9	1619.4	1606.4	1582.4	1574.1	1584.2	1711.9	1761.8	1978.2	2282.5
47.5°	1656.4	1668.4	1674.0	1696.1	1721.1	1704.5	1648.1	1743.3	1788.6	1976.4	2299.1
50°	1631.4	1643.4	1673.0	1725.7	1785.9	1815.5	1723.0	1786.8	1837.6	2009.7	2333.4
52.5°	1565.7	1578.7	1626.8	1686.9	1787.7	1855.2	1828.4	1877.4	1926.4	2068.9	2390.7
55°	1406.7	1426.1	1493.6	1593.5	1732.2	1833.9	1939.4	2010.6	2064.2	2140.1	2449.9
57.5°	1175.5	1195.8	1271.6	1421.5	1629.6	1746.1	1971.7	2260.3	2284.3	2225.2	2455.4
60°	*880.4*	*897.1*	*1004.4*	*1124.6*	*1368.8*	*1585.2*	*1953.3*	*2497.1*	*2558.1*	*2210.4*	*2278.8*
62.5°	697.3	717.7	812.9	868.4	1043.2	1309.6	1888.5	2562.7	2615.4	2088.3	2032.8
65°	544.7	558.6	647.4	726.9	769.5	894.3	1618.5	2241.8	2289.0	1889.4	1677.7
67.5°	359.8	381.0	486.5	595.6	617.8	568.8	1113.5	1724.8	1747.0	1501.9	1261.5
70°	258.0	268.2	346.8	463.3	496.6	381.0	606.7	1305.9	1312.3	1008.1	849.9
72.5°	175.7	177.6	235.8	355.1	395.8	276.5	333.9	860.1	837.9	497.6	486.5
75°	119.3	121.2	150.7	236.8	280.2	192.4	217.3	468.9	450.4	274.7	295.0
77.5°	80.5	82.3	103.6	159.1	186.8	133.2	159.1	247.9	243.2	182.2	158.1
80°	61.0	63.8	76.8	101.7	130.4	77.7	90.6	117.5	119.3	97.1	80.5
82.5°	34.2	37.9	46.2	51.8	84.2	43.5	43.5	70.3	67.5	60.1	43.5
85°	14.8	15.7	18.5	19.4	34.2	18.5	15.7	30.5	31.4	29.6	13.9
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.7	3.7	3.7	3.7
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°	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	654.8	660.3	654.8	652.0	652.0	647.4	645.5	645.5	639.1	641.8	640.0
5°	669.6	671.4	665.0	656.6	645.5	636.3	623.3	606.7	596.5	595.6	596.5
7.5°	692.7	693.6	676.1	657.6	629.8	596.5	556.8	524.4	495.7	491.1	496.6
10°	725.1	723.2	697.3	653.9	595.6	525.3	464.3	434.7	418.0	417.1	416.2
12.5°	768.5	756.5	716.7	638.1	536.4	455.0	423.6	421.7	426.3	430.0	431.0
15°	818.5	802.8	732.5	607.6	476.3	429.1	431.0	446.7	452.2	455.9	455.9
17.5°	880.4	860.1	750.0	564.1	445.8	434.7	447.6	462.4	471.7	475.4	474.4
20°	962.8	920.2	763.9	522.5	437.4	443.9	455.0	469.8	479.1	483.7	483.7
22.5°	1045.1	992.3	766.7	493.9	437.4	444.8	455.0	469.8	480.0	484.6	483.7
25°	1157.0	1084.8	767.6	473.5	438.4	440.2	449.5	462.4	477.2	481.8	483.7
27.5°	1276.3	1186.6	772.2	468.9	434.7	433.7	440.2	452.2	467.0	479.1	480.0
30°	1424.2	1301.2	774.1	473.5	435.6	423.6	428.2	440.2	455.9	468.0	471.7
32.5°	1569.4	1407.6	770.4	483.7	437.4	417.1	418.0	425.4	442.1	450.4	456.9
35°	1723.0	1520.4	763.9	497.6	438.4	414.3	406.0	409.7	420.8	421.7	424.5
37.5°	1843.2	1604.6	744.5	516.1	440.2	404.2	387.5	384.7	380.1	370.9	372.7
40°	1942.2	1661.0	712.1	525.3	435.6	392.1	364.4	351.4	333.9	320.0	322.8
42.5°	2013.4	1698.9	673.3	527.2	428.2	371.8	337.6	315.4	295.9	281.1	282.1
45°	2044.8	1695.2	631.7	513.3	410.6	346.8	312.6	291.3	270.1	254.3	252.5
47.5°	2045.7	1659.2	574.3	480.0	381.0	318.1	289.5	266.4	248.8	237.7	236.8
50°	2053.1	1638.8	520.7	431.9	342.2	287.6	269.1	246.0	235.8	220.1	215.5
52.5°	2099.4	1672.1	483.7	379.2	306.1	265.4	251.6	231.2	214.6	204.4	203.5
55°	2174.3	1729.4	463.3	339.4	271.9	244.2	234.9	217.3	202.5	192.4	189.6
57.5°	2183.5	1759.0	439.3	302.4	244.2	227.5	223.8	204.4	183.1	175.7	172.9
60°	*2054.1*	*1709.1*	*409.7*	*268.2*	*223.8*	*214.6*	*212.7*	*186.8*	*169.2*	*160.0*	*156.3*
62.5°	1877.4	1584.2	364.4	236.8	208.1	201.6	194.2	173.9	151.7	141.5	138.7
65°	1534.3	1331.8	309.8	215.5	192.4	185.0	183.1	155.4	140.6	135.0	134.1
67.5°	1162.5	1070.0	272.8	199.8	175.7	172.9	166.5	157.2	150.7	144.3	142.4
70°	822.2	772.2	232.1	179.4	159.1	154.4	181.3	171.1	148.0	139.7	138.7
72.5°	498.5	484.6	200.7	160.9	136.9	144.3	167.4	154.4	133.2	123.0	119.3
75°	314.4	287.6	168.3	136.9	109.1	117.5	146.1	137.8	114.7	104.5	101.7
77.5°	171.1	159.1	126.7	111.9	86.0	95.3	127.6	113.8	91.6	99.9	88.8
80°	74.9	83.2	84.2	64.7	57.3	70.3	91.6	88.8	70.3	71.2	59.2
82.5°	36.1	47.2	54.6	44.4	32.4	41.6	61.0	50.9	47.2	44.4	42.5
85°	11.1	17.6	24.0	21.3	14.8	17.6	28.7	27.7	33.3	28.7	26.8
87.5°	3.7	3.7	2.8	2.8	2.8	3.7	4.6	2.8	0.9	0.9	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°	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	639.1	640.0	640.0	640.9	640.9	643.7	647.4	651.1	648.3	652.0	652.9
5°	594.7	599.3	603.0	616.9	628.0	637.2	647.4	656.6	659.4	661.3	665.9
7.5°	490.2	503.1	527.2	558.6	593.7	628.0	651.1	675.1	678.8	683.5	689.9
10°	417.1	422.6	439.3	471.7	534.6	602.1	658.5	696.4	712.1	721.4	727.8
12.5°	429.1	425.4	422.6	427.3	468.0	554.9	653.9	726.9	756.5	766.7	775.0
15°	457.8	454.1	443.9	431.0	435.6	505.0	638.1	755.6	802.8	819.4	837.0
17.5°	474.4	470.7	462.4	448.5	436.5	463.3	608.5	781.5	875.8	896.2	921.1
20°	483.7	480.0	471.7	457.8	443.9	447.6	570.6	813.9	959.1	991.4	1028.4
22.5°	485.5	480.9	471.7	457.8	449.5	446.7	534.6	833.3	1048.8	1098.7	1141.2
25°	484.6	476.3	464.3	454.1	449.5	448.5	509.6	844.4	1145.9	1225.4	1273.5
27.5°	478.1	468.0	455.9	448.5	446.7	452.2	498.5	857.3	1259.6	1361.4	1438.1
30°	470.7	455.9	441.1	438.4	443.0	460.6	507.7	861.9	1378.9	1509.3	1587.9
32.5°	451.3	440.2	425.4	424.5	435.6	467.0	529.0	855.5	1484.4	1657.3	1756.3
35°	423.6	417.1	408.8	411.6	429.1	472.6	543.8	835.1	1580.5	1795.1	1910.7
37.5°	374.6	379.2	383.8	390.3	412.5	471.7	550.3	802.8	1660.1	1905.2	2053.1
40°	320.0	335.7	350.5	367.2	396.8	464.3	552.1	763.0	1706.3	1988.4	2179.8
42.5°	285.8	300.6	319.1	343.1	375.5	447.6	550.3	718.6	1721.1	2045.7	2260.3
45°	254.3	271.9	295.0	320.0	357.0	423.6	533.6	670.5	1728.5	2072.6	2294.5
47.5°	237.7	247.9	269.1	294.1	332.9	394.0	501.3	635.4	1717.4	2078.1	2336.1
50°	218.3	232.1	246.0	270.1	308.0	357.0	462.4	615.0	1735.9	2132.7	2401.8
52.5°	203.5	210.9	225.7	247.9	275.6	322.8	425.4	598.4	1786.8	2188.2	2470.2
55°	192.4	200.7	209.9	228.4	249.7	288.5	387.5	573.4	1846.0	2247.3	2538.7
57.5°	174.8	180.3	193.3	212.7	226.6	255.3	343.1	543.8	1841.3	2201.1	2420.3
60°	*159.1*	*164.6*	*178.5*	*197.9*	*206.2*	*225.7*	*299.6*	*505.9*	*1752.6*	*2050.4*	*2202.0*
62.5°	141.5	148.0	164.6	178.5	185.9	200.7	254.3	436.5	1567.6	1823.8	1946.8
65°	134.1	137.8	148.9	165.5	164.6	178.5	214.6	343.1	1261.5	1393.7	1505.6
67.5°	142.4	148.0	146.1	150.7	148.0	155.4	192.4	275.6	991.4	1049.7	1114.4
70°	140.6	153.5	160.0	150.7	129.5	137.8	166.5	220.1	709.3	703.8	701.0
72.5°	123.0	136.0	154.4	163.7	126.7	114.7	144.3	190.5	455.0	453.2	409.7
75°	104.5	113.8	136.0	148.0	109.1	92.5	123.9	161.8	271.9	275.6	246.0
77.5°	96.2	91.6	113.8	130.4	88.8	71.2	99.9	122.1	149.8	151.7	140.6
80°	69.4	66.6	85.1	95.3	67.5	50.9	56.4	75.8	80.5	72.1	74.9
82.5°	44.4	45.3	50.9	61.0	41.6	27.7	38.8	50.9	43.5	35.1	41.6
85°	28.7	32.4	26.8	31.4	12.9	12.9	16.6	22.2	14.8	10.2	11.1
87.5°	0.0	0.0	1.8	3.7	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: P1501397
CATALOG NUMBER: GSS-SB1A-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	652.9	652.9	*652.9*	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	655.7	654.8	*654.8*	656.6	661.3	663.1	665.9	665.0	667.7	665.9
5°	668.7	669.6	*672.4*	673.3	676.1	679.8	680.7	679.8	681.6	681.6
7.5°	694.6	698.3	*696.4*	701.0	697.3	692.7	685.3	679.8	675.1	677.0
10°	738.0	736.2	*735.2*	726.9	710.3	686.2	666.8	645.5	641.8	638.1
12.5°	786.1	784.3	*784.3*	755.6	708.4	658.5	614.1	580.8	569.7	568.8
15°	853.6	841.6	*830.5*	770.4	676.1	591.0	539.2	513.3	506.8	506.8
17.5°	937.8	906.3	*887.8*	759.3	623.3	546.6	516.1	509.6	507.7	512.4
20°	1042.3	962.8	*935.9*	734.3	603.9	552.1	537.3	538.3	539.2	545.7
22.5°	1157.0	1014.5	*970.2*	734.3	623.3	587.3	579.9	590.0	592.8	598.4
25°	1284.6	1060.8	*1000.7*	773.2	680.7	653.9	644.6	654.8	662.2	671.4
27.5°	1427.9	1108.9	*1053.4*	843.4	754.7	738.0	727.8	732.5	742.6	753.7
30°	1556.5	1189.3	*1133.8*	950.7	855.5	835.1	817.6	825.0	836.1	843.4
32.5°	1670.3	1287.4	*1240.2*	1063.6	971.1	935.9	916.5	914.7	936.9	931.3
35°	1774.8	1403.0	*1357.7*	1192.1	1088.5	1045.1	1019.2	1052.5	1037.7	1043.2
37.5°	1857.1	1523.2	*1487.1*	1315.1	1210.6	1151.4	1135.7	1176.4	1199.5	1206.0
40°	1924.6	1627.7	*1589.8*	1437.2	1322.5	1279.0	1304.0	1371.5	1368.8	1366.0
42.5°	1976.4	1717.4	*1675.8*	1529.7	1429.8	1438.1	1457.5	1502.9	1514.0	1498.2
45°	1999.5	1773.8	*1740.5*	1602.7	1551.9	1600.0	1608.3	1627.7	1620.3	1610.1
47.5°	2026.3	1823.8	*1788.6*	1669.3	1684.1	1731.3	1714.6	1698.9	1672.1	1656.4
50°	2071.6	1883.0	*1853.4*	1766.4	1820.1	1804.4	1739.6	1704.5	1649.9	1631.4
52.5°	2157.6	1994.9	*1972.7*	1920.0	1883.9	1793.3	1714.6	1651.8	1590.7	1565.7
55°	2234.4	2146.5	*2133.6*	2063.3	1864.5	1735.0	1629.6	1532.5	1427.9	1406.7
57.5°	2278.8	2398.1	*2412.9*	2124.3	1775.7	1602.7	1447.4	1292.0	1193.0	1175.5
60°	*2146.5*	*2670.0*	*2677.4*	*2112.3*	*1615.7*	*1364.1*	*1127.4*	*1017.3*	*911.0*	*880.4*
62.5°	1964.3	2613.6	*2607.1*	2040.2	1286.4	995.1	856.4	804.6	722.3	697.3
65°	1688.7	2177.1	*2184.5*	1762.7	855.5	719.5	719.5	653.9	562.3	544.7
67.5°	1376.2	1678.6	*1661.9*	1143.1	525.3	576.2	603.9	509.6	381.0	359.8
70°	894.3	1281.8	*1258.7*	659.4	330.2	480.0	475.4	382.9	272.8	258.0
72.5°	384.7	740.8	*788.0*	336.6	248.8	386.6	379.2	268.2	182.2	175.7
75°	232.1	372.7	*406.0*	214.6	181.3	291.3	262.7	170.2	123.9	119.3
77.5°	147.0	204.4	*202.5*	160.9	136.0	197.0	176.6	117.5	84.2	80.5
80°	85.1	100.8	*104.5*	100.8	91.6	140.6	112.8	85.1	65.7	61.0
82.5°	54.6	62.9	*63.8*	49.0	50.9	90.6	61.0	49.9	37.9	34.2
85°	24.0	26.8	*25.9*	16.6	16.6	37.0	21.3	20.3	14.8	14.8
87.5°	0.9	1.8	*0.9*	0.9	0.9	3.7	1.8	2.8	2.8	2.8
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

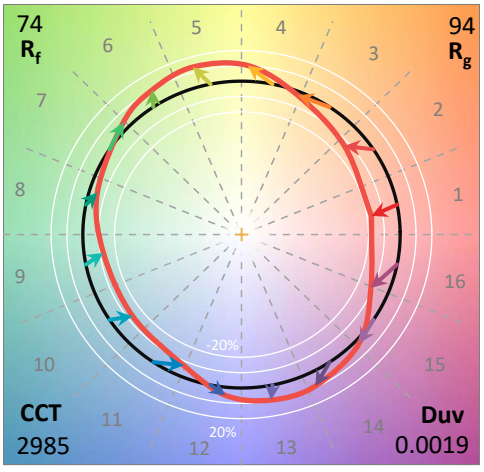
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

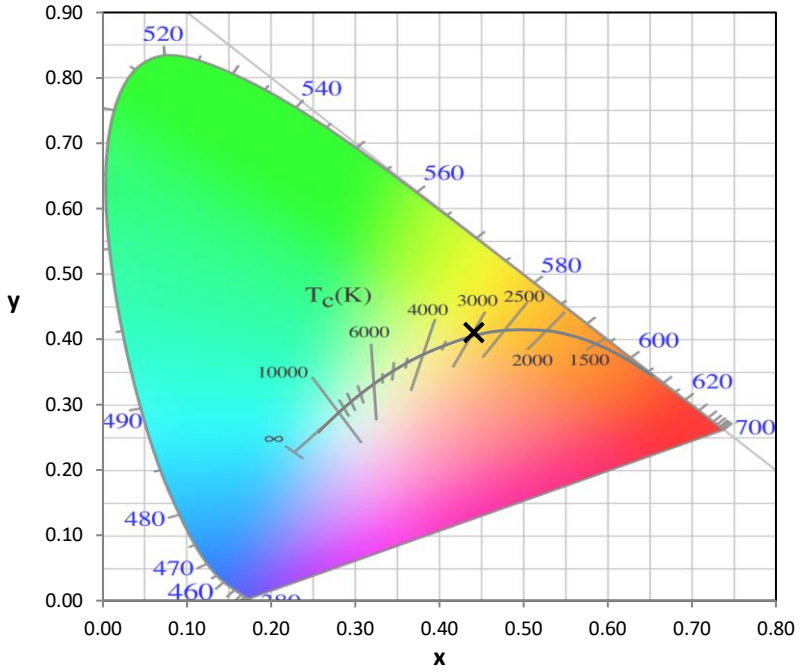
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

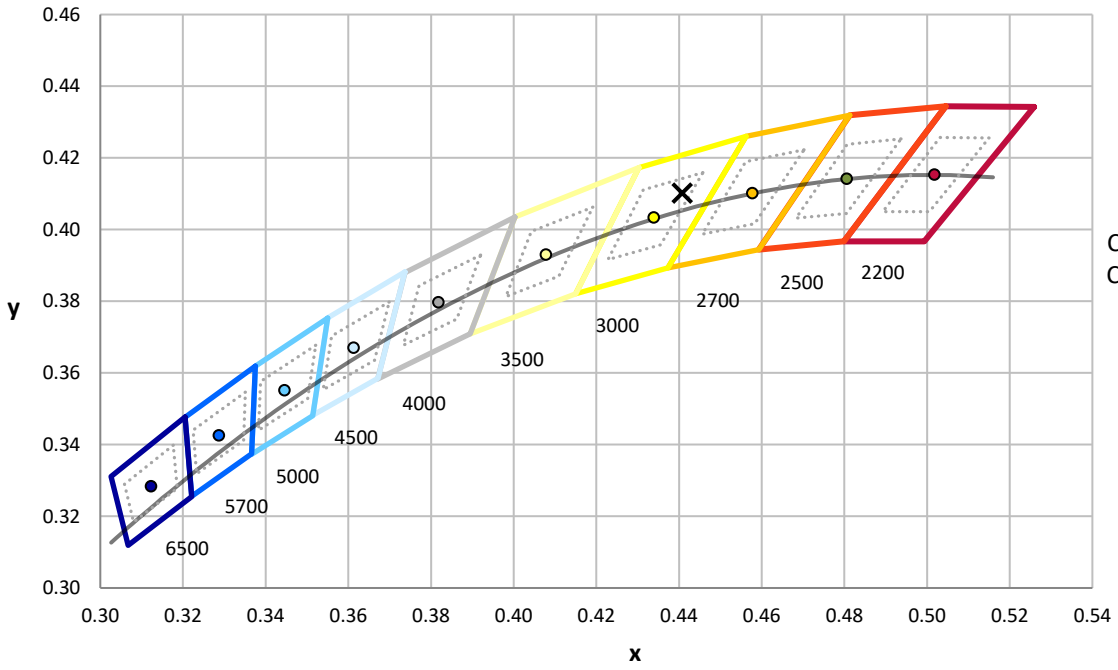
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

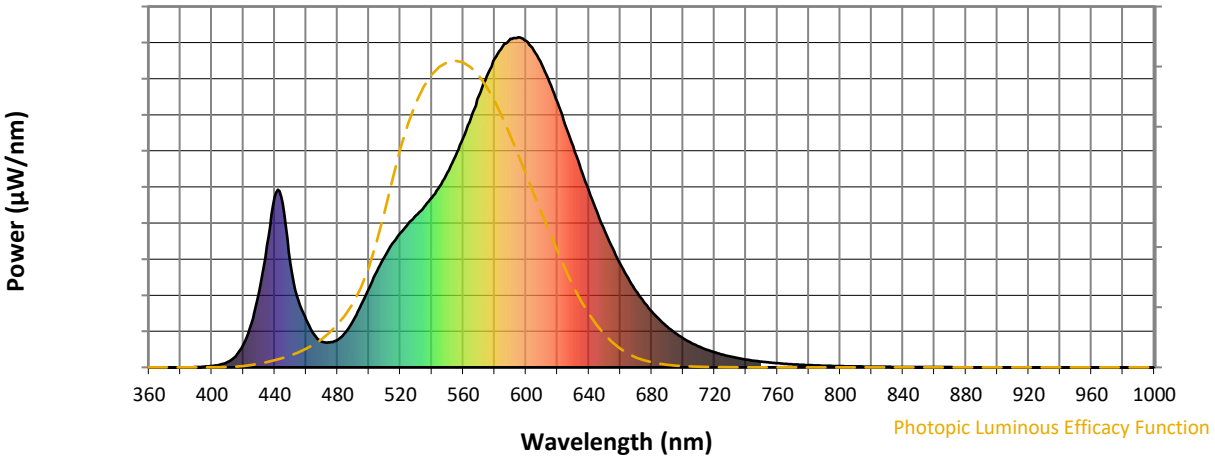


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

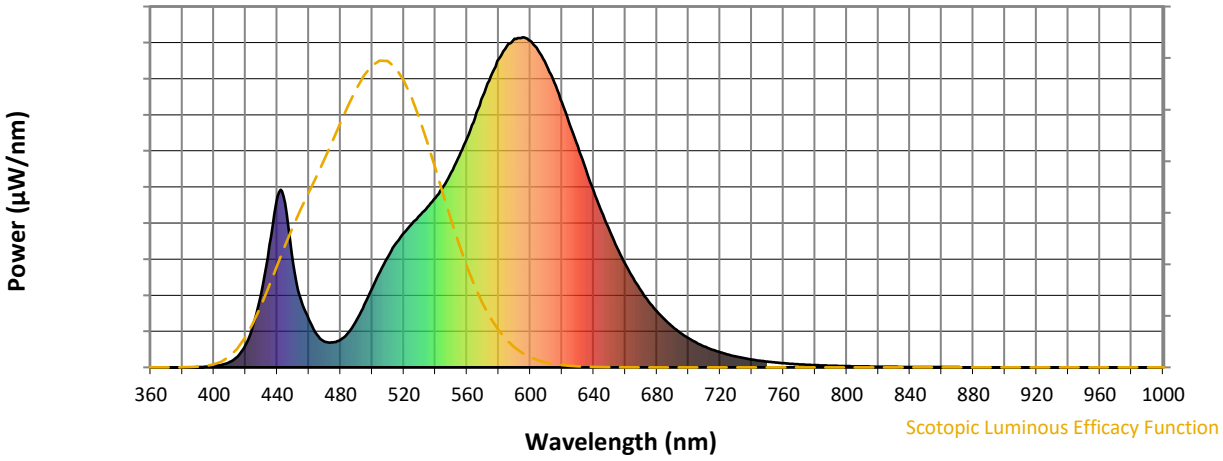


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

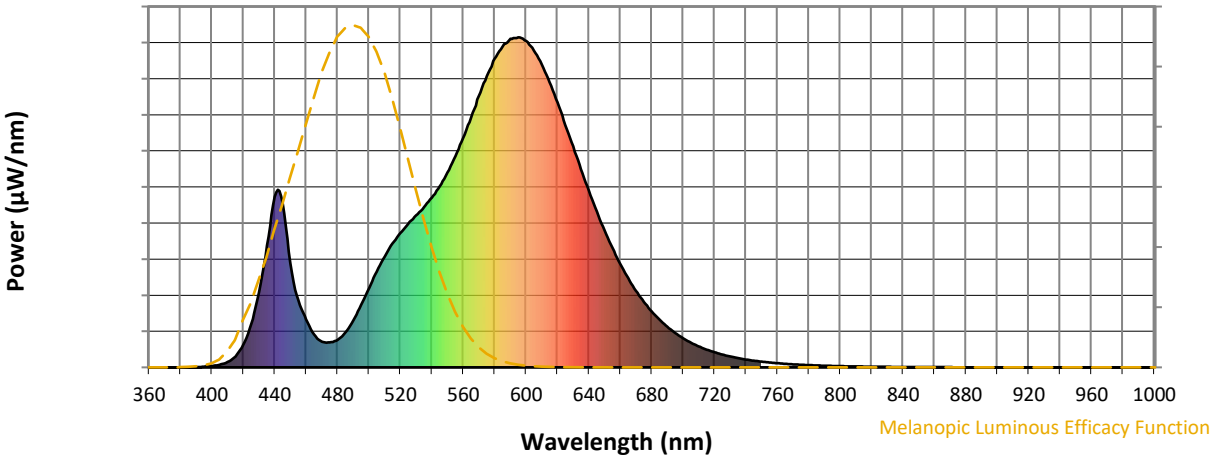


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

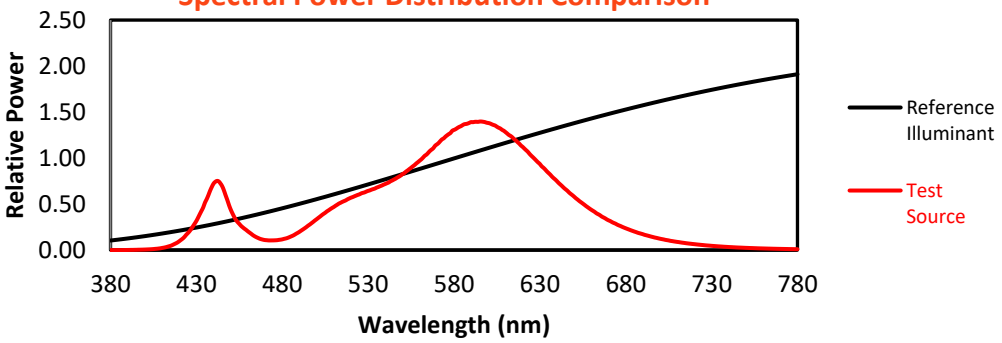
REPORT NUMBER: SP1-2407-184-4

TM-30-18

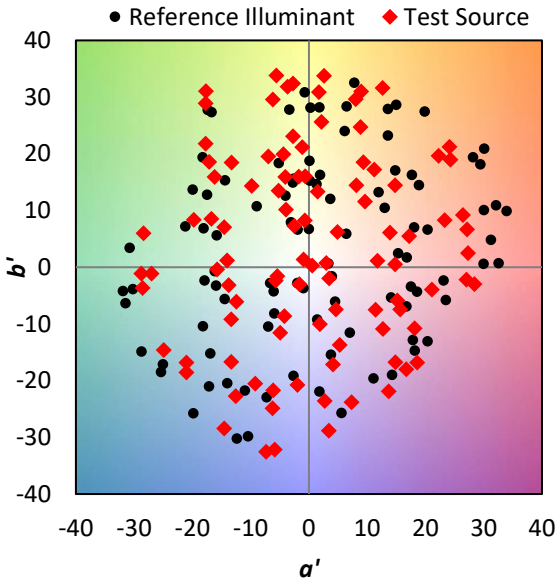
Summary

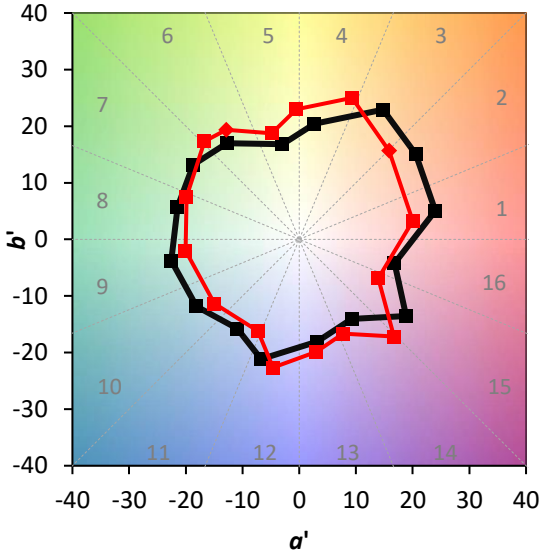
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

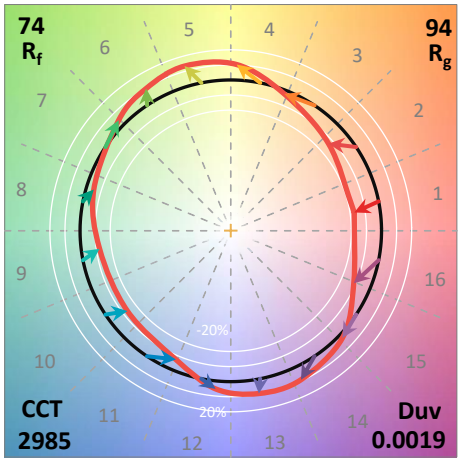
Spectral Power Distribution Comparison

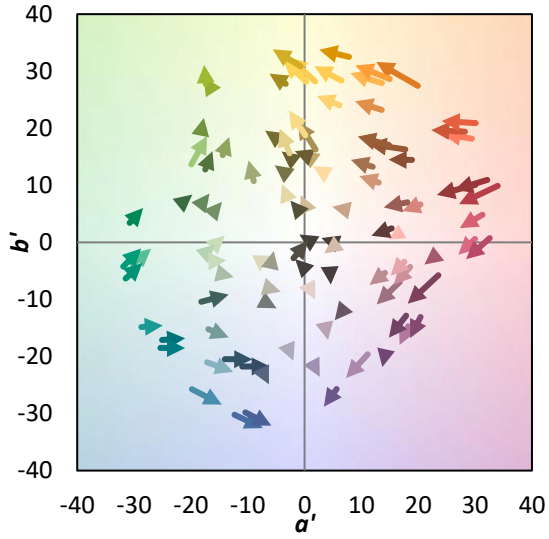


Color Vector Graphics







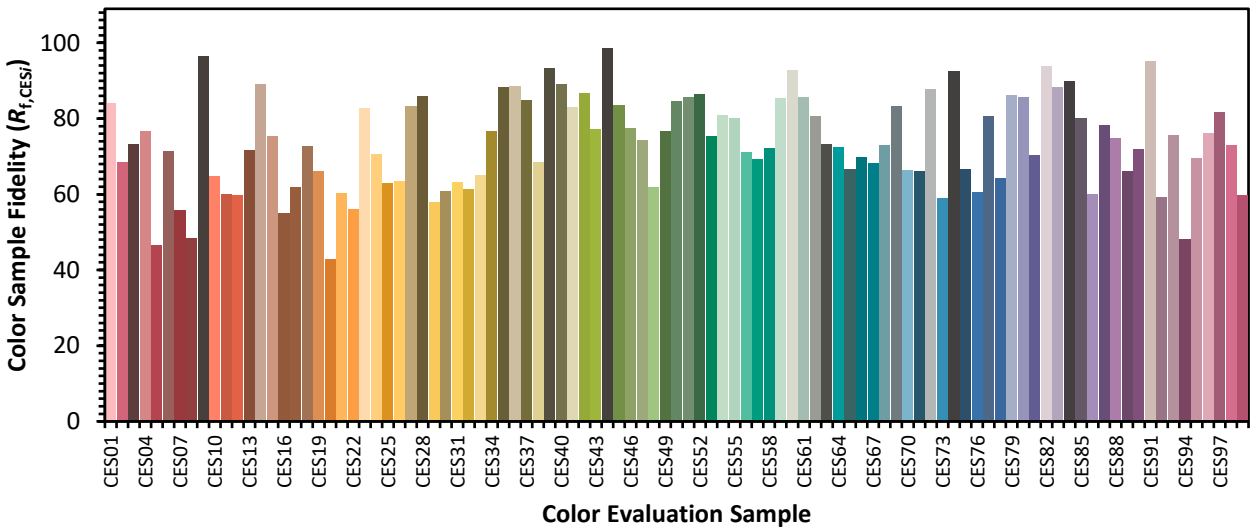


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

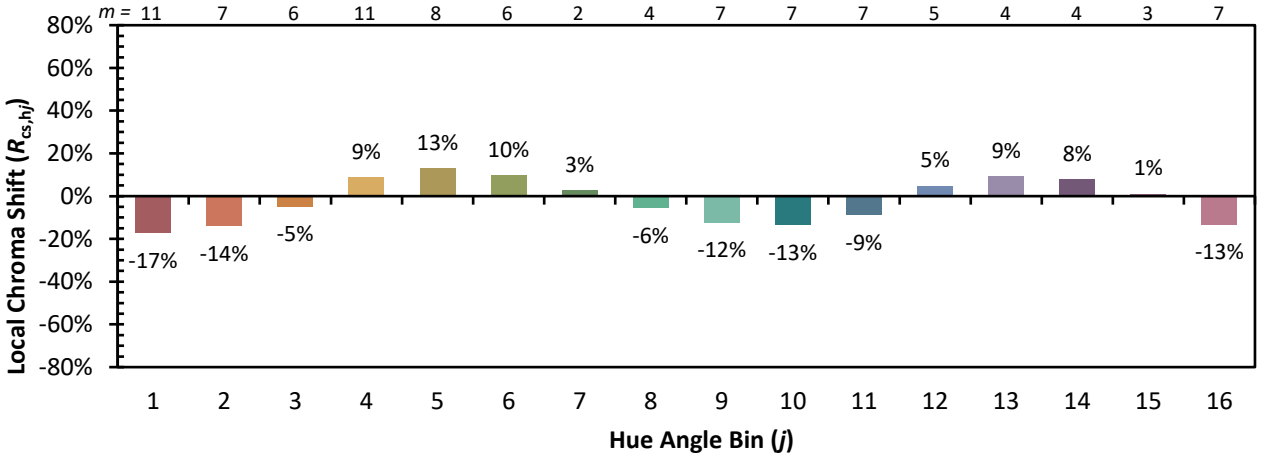
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

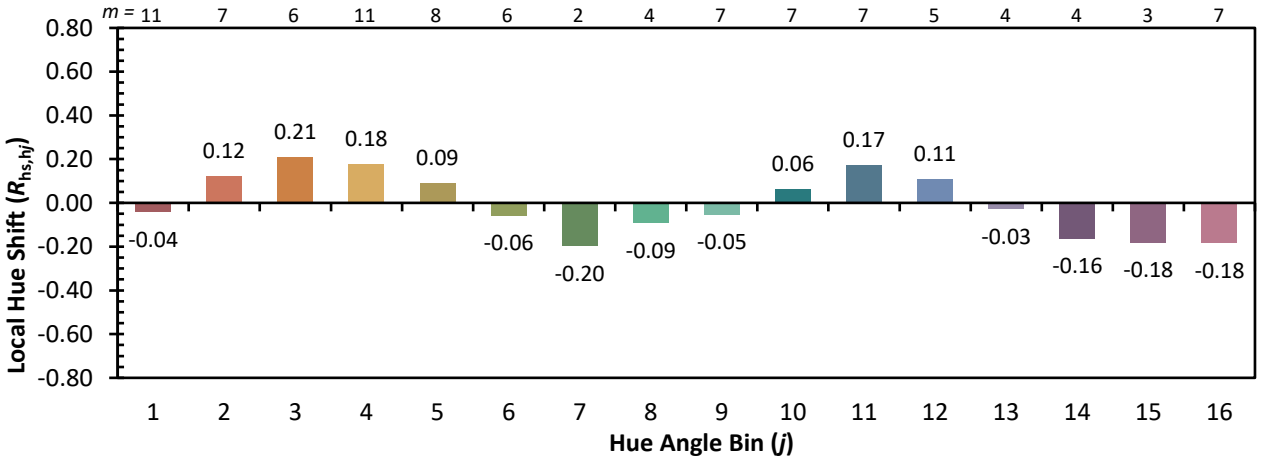


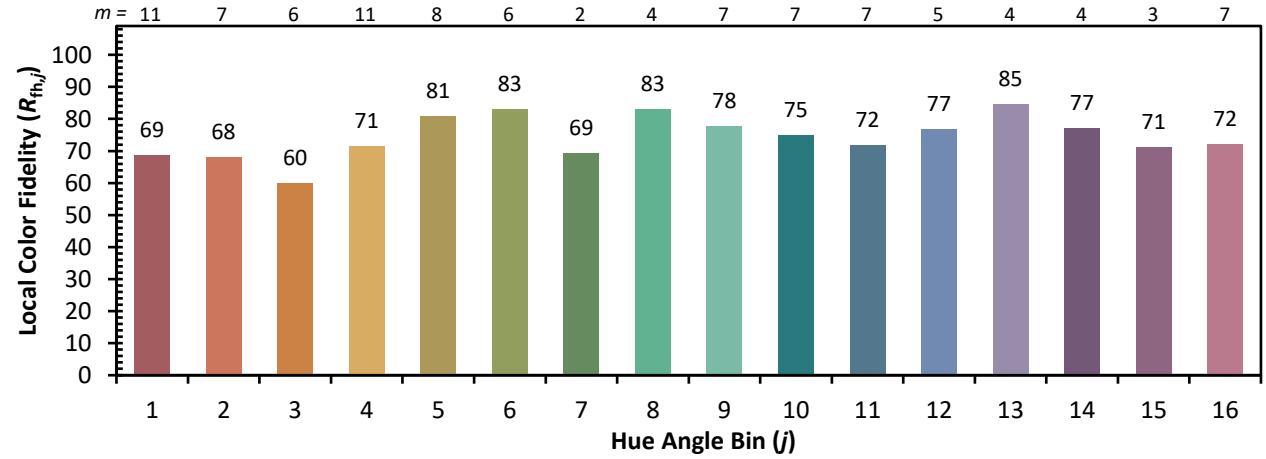
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Color Rendition by Hue-Angle Bin



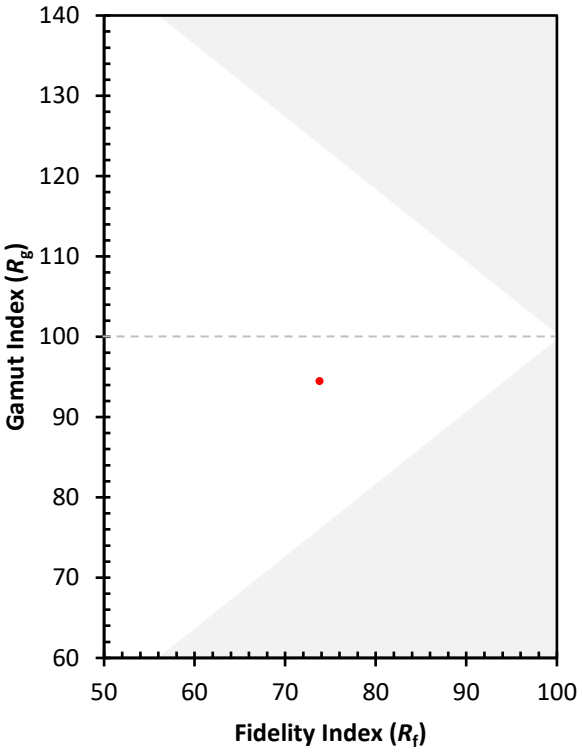


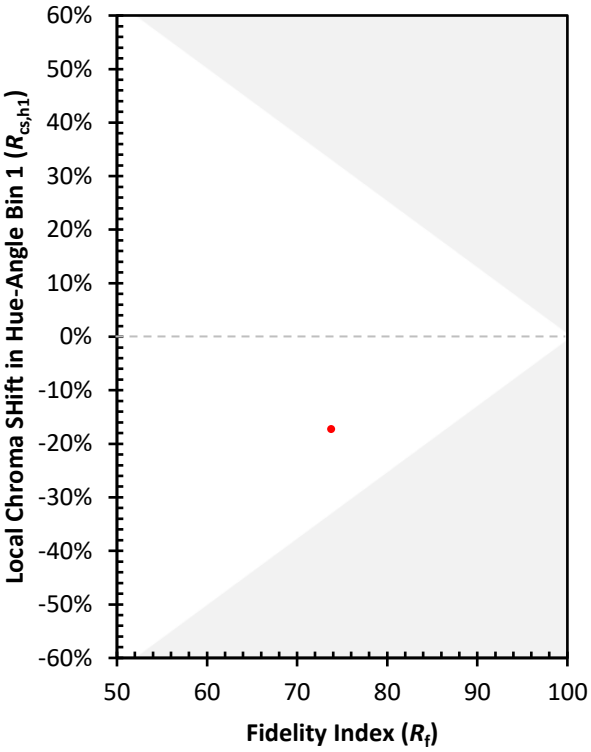


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Measure Comparisons





(END OF REPORT)