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: P1501349

Luminaire Tested: GSS-SB1A-722-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:	P1501349
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3353.9 lumens
Efficiency:	N/A
Efficacy:	108.2 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

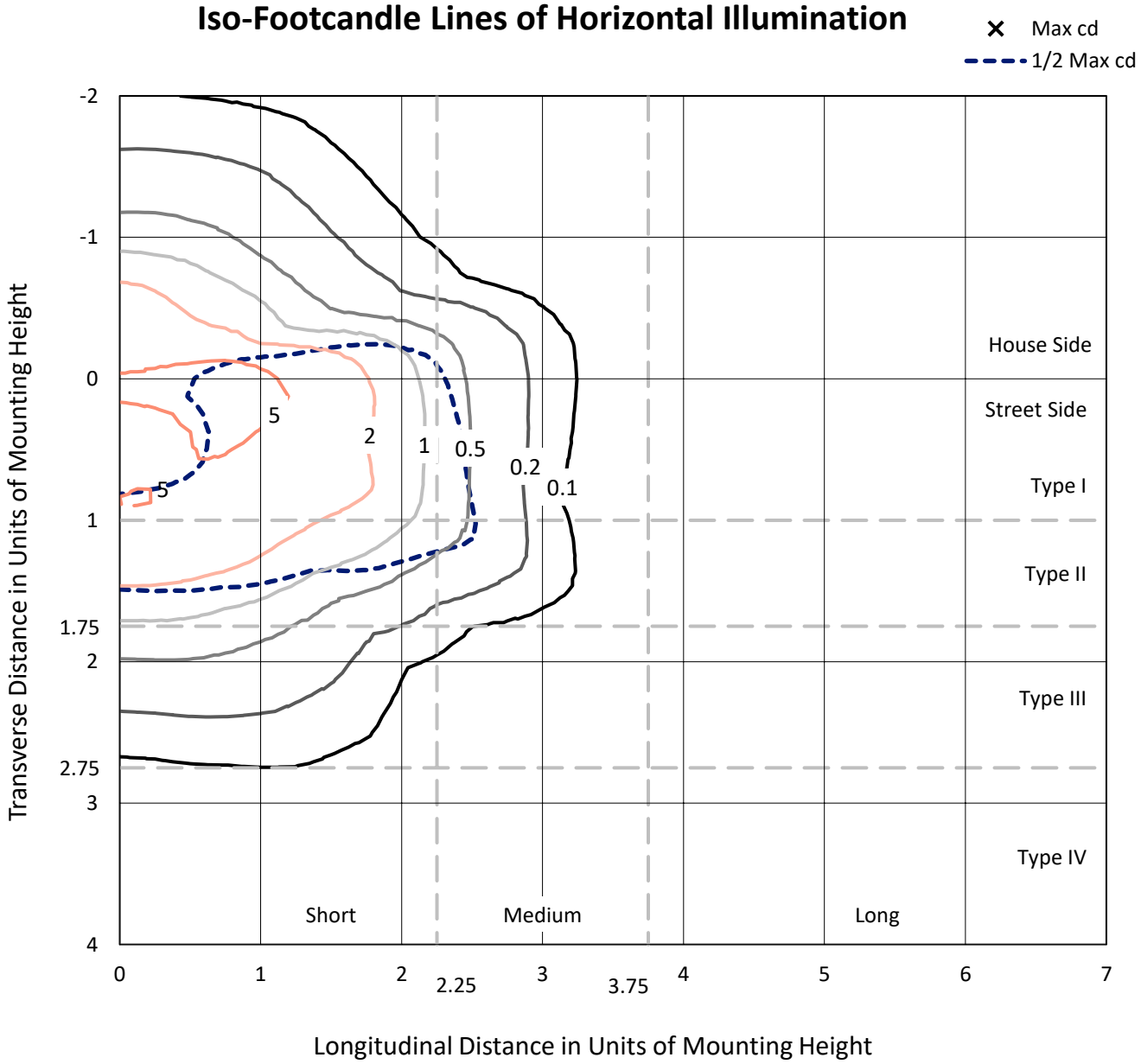
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



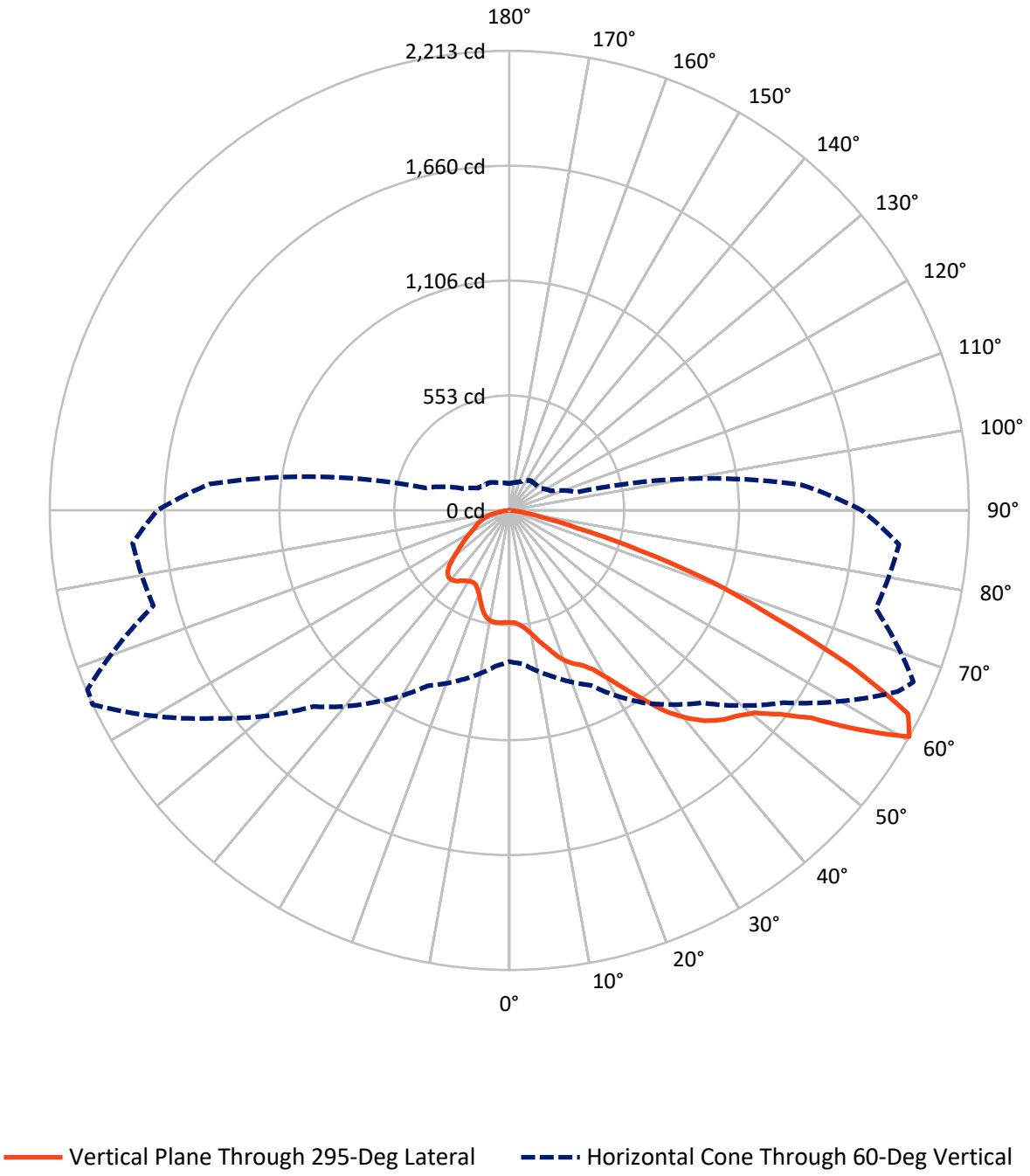
Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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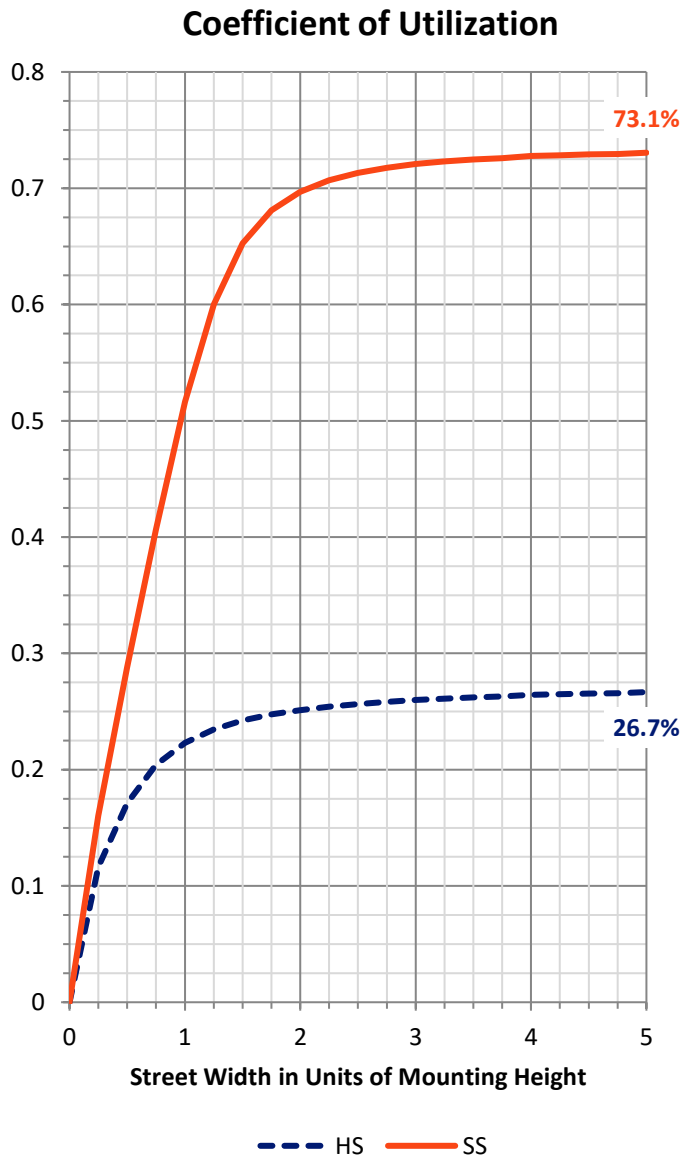
REPORT NUMBER: P1501349
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	901.9	0.0	901.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2452.0	0.0	2452.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	3353.9	0.0	3353.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	1.5
10°-20°	145.9	4.3
20°-30°	276.3	8.2
30°-40°	487.0	14.5
40°-50°	720.3	21.5
50°-60°	845.8	25.2
60°-70°	612.8	18.3
70°-80°	189.0	5.6
80°-90°	26.0	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°	3353.9	100.0
0°-180°	3353.9	100.0



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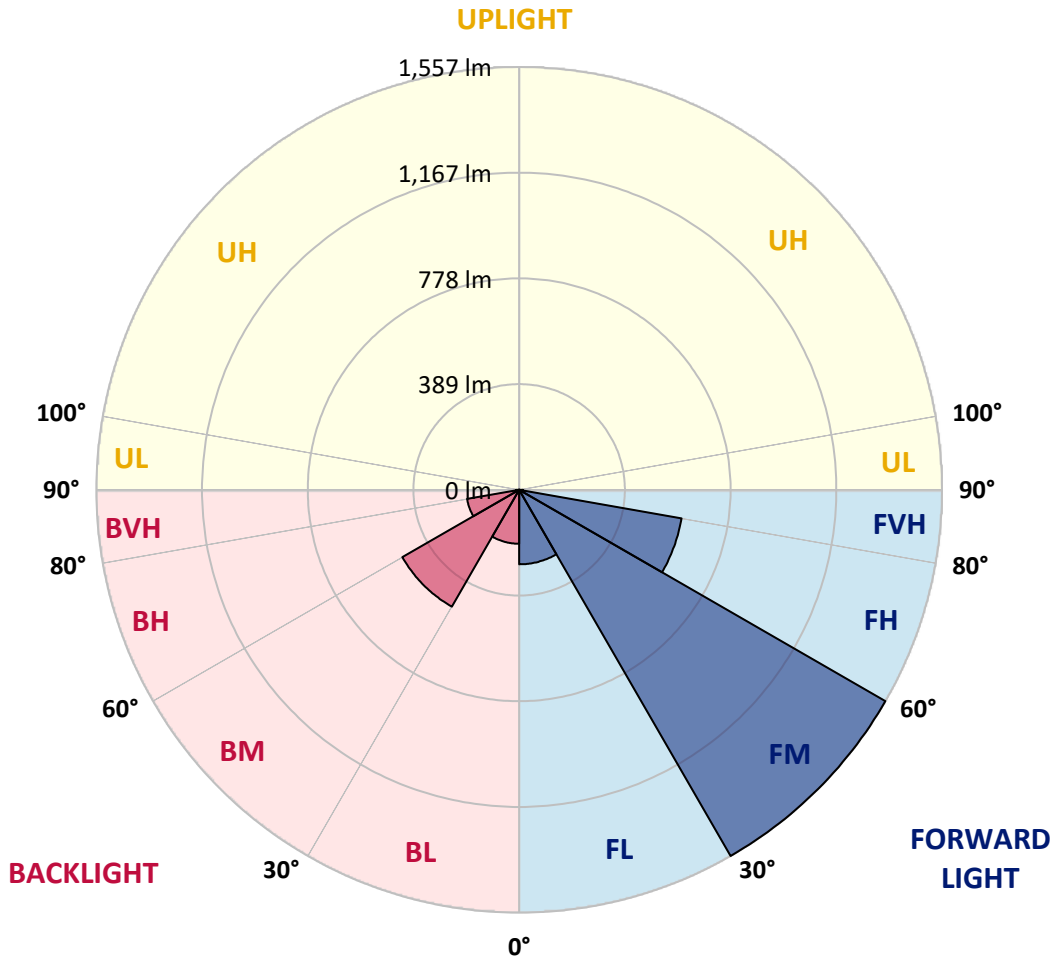
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	274.2	8.2			
FM	(30°-60°)	1556.6	46.4			
FH	(60°-80°)	607.2	18.1			G0/660
FVH	(80°-90°)	14.0	0.4			G1/100
BL	(0°-30°)	198.6	5.9	B1/500		
BM	(30°-60°)	496.6	14.8	B1/1000		
BH	(60°-80°)	194.7	5.8	B1/500		G1/500
BVH	(80°-90°)	12.0	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°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6
2.5°	550.3	551.8	549.6	551.1	551.1	548.8	548.0	545.0	546.5	545.7	545.0
5°	563.3	564.1	562.6	564.8	564.8	565.6	564.8	561.0	561.0	561.0	559.5
7.5°	559.5	559.5	560.3	567.9	575.5	585.5	585.5	584.0	585.5	584.7	577.8
10°	527.4	530.4	537.3	556.4	574.8	596.2	610.7	615.3	615.3	616.1	604.6
12.5°	470.1	472.4	488.4	517.5	555.7	594.7	629.8	652.7	655.0	658.9	643.6
15°	418.9	420.4	431.8	461.7	505.2	574.0	640.5	687.9	695.5	711.6	688.7
17.5°	423.4	422.7	425.7	437.2	468.5	540.4	638.2	729.2	742.9	771.2	751.3
20°	451.0	451.0	453.3	455.5	467.0	515.9	621.4	762.8	789.6	844.6	821.7
22.5°	494.5	494.5	493.8	497.6	497.6	526.6	622.2	788.0	827.8	926.4	904.2
25°	554.9	551.8	551.8	553.4	546.5	567.1	641.3	814.0	866.0	1023.4	1004.3
27.5°	622.9	625.2	623.7	618.3	609.2	625.2	687.1	854.5	908.8	1125.9	1118.2
30°	697.1	697.8	699.4	696.3	688.7	700.1	759.0	915.7	965.4	1232.9	1249.7
32.5°	769.7	780.4	776.6	768.9	772.0	792.6	847.6	998.2	1049.4	1332.2	1391.9
35°	862.2	866.0	881.3	853.0	853.8	888.9	960.8	1106.8	1156.4	1435.4	1534.0
37.5°	996.7	1003.6	996.7	952.4	945.5	994.4	1070.8	1213.8	1249.7	1513.4	1666.2
40°	1128.9	1137.3	1148.8	1096.8	1053.3	1093.8	1174.8	1295.5	1333.0	1556.2	1754.1
42.5°	1238.2	1252.0	1239.8	1224.5	1184.7	1192.4	1247.4	1359.0	1396.4	1610.5	1842.8
45°	1330.7	1333.0	1338.3	1327.6	1307.8	1300.9	1309.3	1414.8	1456.1	1634.9	1886.4
47.5°	1368.9	1378.9	1383.4	1401.8	1422.4	1408.7	1362.0	1440.8	1478.2	1633.4	1900.1
50°	1348.3	1358.2	1382.7	1426.2	1475.9	1500.4	1424.0	1476.7	1518.7	1660.9	1928.4
52.5°	1294.0	1304.7	1344.5	1394.1	1477.5	1533.3	1511.1	1551.6	1592.1	1709.8	1975.8
55°	1162.6	1178.6	1234.4	1316.9	1431.6	1515.7	1602.8	1661.7	1706.0	1768.7	2024.7
57.5°	971.5	988.3	1051.0	1174.8	1346.8	1443.1	1629.6	1868.0	1887.9	1839.0	2029.3
60°	*727.6*	*741.4*	*830.1*	*929.4*	*1131.2*	*1310.1*	*1614.3*	*2063.7*	*2114.1*	*1826.8*	*1883.3*
62.5°	576.3	593.1	671.8	717.7	862.2	1082.3	1560.8	2118.0	2161.5	1725.9	1680.0
65°	450.2	461.7	535.0	600.8	635.9	739.1	1337.6	1852.7	1891.7	1561.5	1386.5
67.5°	297.3	314.9	402.0	492.2	510.6	470.1	920.3	1425.5	1443.8	1241.3	1042.6
70°	213.2	221.7	286.6	382.9	410.4	314.9	501.4	1079.2	1084.6	833.1	702.4
72.5°	145.2	146.8	194.9	293.5	327.1	228.5	275.9	710.8	692.5	411.2	402.0
75°	98.6	100.1	124.6	195.7	231.6	159.0	179.6	387.5	372.2	227.0	243.8
77.5°	66.5	68.0	85.6	131.5	154.4	110.1	131.5	204.8	201.0	150.6	130.7
80°	50.4	52.7	63.4	84.1	107.8	64.2	74.9	97.1	98.6	80.3	66.5
82.5°	28.3	31.3	38.2	42.8	69.6	35.9	35.9	58.1	55.8	49.7	35.9
85°	12.2	13.0	15.3	16.1	28.3	15.3	13.0	25.2	26.0	24.5	11.5
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.1
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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Scaled Data Report

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6
2.5°	541.1	545.7	541.1	538.9	538.9	535.0	533.5	533.5	528.2	530.4	528.9
5°	553.4	554.9	549.6	542.7	533.5	525.9	515.2	501.4	493.0	492.2	493.0
7.5°	572.5	573.3	558.7	543.4	520.5	493.0	460.1	433.4	409.7	405.9	410.4
10°	599.2	597.7	576.3	540.4	492.2	434.1	383.7	359.2	345.5	344.7	344.0
12.5°	635.2	625.2	592.4	527.4	443.3	376.1	350.1	348.5	352.4	355.4	356.2
15°	676.4	663.4	605.4	502.2	393.6	354.7	356.2	369.2	373.8	376.8	376.8
17.5°	727.6	710.8	619.9	466.2	368.4	359.2	369.9	382.2	389.8	392.9	392.1
20°	795.7	760.5	631.3	431.8	361.5	366.9	376.1	388.3	395.9	399.7	399.7
22.5°	863.7	820.1	633.6	408.2	361.5	367.6	376.1	388.3	396.7	400.5	399.7
25°	956.2	896.6	634.4	391.3	362.3	363.8	371.5	382.2	394.4	398.2	399.7
27.5°	1054.8	980.6	638.2	387.5	359.2	358.5	363.8	373.8	386.0	395.9	396.7
30°	1177.1	1075.4	639.7	391.3	360.0	350.1	353.9	363.8	376.8	386.8	389.8
32.5°	1297.1	1163.3	636.7	399.7	361.5	344.7	345.5	351.6	365.4	372.2	377.6
35°	1424.0	1256.6	631.3	411.2	362.3	342.4	335.5	338.6	347.8	348.5	350.8
37.5°	1523.3	1326.1	615.3	426.5	363.8	334.0	320.3	318.0	314.1	306.5	308.0
40°	1605.1	1372.7	588.5	434.1	360.0	324.1	301.1	290.4	275.9	264.5	266.8
42.5°	1664.0	1404.1	556.4	435.7	353.9	307.3	279.0	260.6	244.6	232.4	233.1
45°	1689.9	1401.0	522.0	424.2	339.4	286.6	258.3	240.8	223.2	210.2	208.7
47.5°	1690.7	1371.2	474.7	396.7	314.9	262.9	239.2	220.1	205.6	196.4	195.7
50°	1696.8	1354.4	430.3	356.9	282.8	237.7	222.4	203.3	194.9	181.9	178.1
52.5°	1735.0	1381.9	399.7	313.4	253.0	219.4	207.9	191.1	177.3	168.9	168.2
55°	1797.0	1429.3	382.9	280.5	224.7	201.8	194.1	179.6	167.4	159.0	156.7
57.5°	1804.6	1453.8	363.1	249.9	201.8	188.0	185.0	168.9	151.3	145.2	142.9
60°	*1697.6*	*1412.5*	*338.6*	*221.7*	*185.0*	*177.3*	*175.8*	*154.4*	*139.9*	*132.2*	*129.2*
62.5°	1551.6	1309.3	301.1	195.7	172.0	166.6	160.5	143.7	125.4	116.9	114.7
65°	1268.0	1100.6	256.1	178.1	159.0	152.9	151.3	128.4	116.2	111.6	110.8
67.5°	960.8	884.3	225.5	165.1	145.2	142.9	137.6	129.9	124.6	119.2	117.7
70°	679.5	638.2	191.8	148.3	131.5	127.6	149.8	141.4	122.3	115.4	114.7
72.5°	412.0	400.5	165.9	133.0	113.1	119.2	138.3	127.6	110.1	101.7	98.6
75°	259.9	237.7	139.1	113.1	90.2	97.1	120.8	113.9	94.8	86.4	84.1
77.5°	141.4	131.5	104.7	92.5	71.1	78.7	105.5	94.0	75.7	82.5	73.4
80°	61.9	68.8	69.6	53.5	47.4	58.1	75.7	73.4	58.1	58.9	48.9
82.5°	29.8	39.0	45.1	36.7	26.8	34.4	50.4	42.0	39.0	36.7	35.2
85°	9.2	14.5	19.9	17.6	12.2	14.5	23.7	22.9	27.5	23.7	22.2
87.5°	3.1	3.1	2.3	2.3	2.3	3.1	3.8	2.3	0.8	0.8	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°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6
2.5°	528.2	528.9	528.9	529.7	529.7	532.0	535.0	538.1	535.8	538.9	539.6
5°	491.5	495.3	498.3	509.8	519.0	526.6	535.0	542.7	545.0	546.5	550.3
7.5°	405.1	415.8	435.7	461.7	490.7	519.0	538.1	558.0	561.0	564.8	570.2
10°	344.7	349.3	363.1	389.8	441.8	497.6	544.2	575.5	588.5	596.2	601.5
12.5°	354.7	351.6	349.3	353.1	386.8	458.6	540.4	600.8	625.2	633.6	640.5
15°	378.3	375.3	366.9	356.2	360.0	417.3	527.4	624.5	663.4	677.2	691.7
17.5°	392.1	389.0	382.2	370.7	360.8	382.9	502.9	645.9	723.8	740.6	761.3
20°	399.7	396.7	389.8	378.3	366.9	369.9	471.6	672.6	792.6	819.4	849.9
22.5°	401.3	397.5	389.8	378.3	371.5	369.2	441.8	688.7	866.8	908.0	943.2
25°	400.5	393.6	383.7	375.3	371.5	370.7	421.1	697.8	947.0	1012.7	1052.5
27.5°	395.2	386.8	376.8	370.7	369.2	373.8	412.0	708.5	1041.0	1125.1	1188.5
30°	389.0	376.8	364.6	362.3	366.1	380.6	419.6	712.4	1139.6	1247.4	1312.4
32.5°	373.0	363.8	351.6	350.8	360.0	386.0	437.2	707.0	1226.8	1369.7	1451.5
35°	350.1	344.7	337.8	340.1	354.7	390.6	449.4	690.2	1306.2	1483.6	1579.1
37.5°	309.6	313.4	317.2	322.5	340.9	389.8	454.8	663.4	1372.0	1574.5	1696.8
40°	264.5	277.5	289.7	303.4	327.9	383.7	456.3	630.6	1410.2	1643.3	1801.5
42.5°	236.2	248.4	263.7	283.6	310.3	369.9	454.8	593.9	1422.4	1690.7	1868.0
45°	210.2	224.7	243.8	264.5	295.0	350.1	441.0	554.1	1428.5	1712.9	1896.3
47.5°	196.4	204.8	222.4	243.1	275.2	325.6	414.3	525.1	1419.4	1717.5	1930.7
50°	180.4	191.8	203.3	223.2	254.5	295.0	382.2	508.3	1434.7	1762.6	1985.0
52.5°	168.2	174.3	186.5	204.8	227.8	266.8	351.6	494.5	1476.7	1808.4	2041.5
55°	159.0	165.9	173.5	188.8	206.4	238.5	320.3	473.9	1525.6	1857.3	2098.1
57.5°	144.5	149.0	159.7	175.8	187.3	211.0	283.6	449.4	1521.8	1819.1	2000.3
60°	*131.5*	*136.1*	*147.5*	*163.6*	*170.4*	*186.5*	*247.6*	*418.1*	*1448.4*	*1694.5*	*1819.9*
62.5°	116.9	122.3	136.1	147.5	153.6	165.9	210.2	360.8	1295.5	1507.3	1608.9
65°	110.8	113.9	123.1	136.8	136.1	147.5	177.3	283.6	1042.6	1151.9	1244.3
67.5°	117.7	122.3	120.8	124.6	122.3	128.4	159.0	227.8	819.4	867.5	921.0
70°	116.2	126.9	132.2	124.6	107.0	113.9	137.6	181.9	586.2	581.7	579.4
72.5°	101.7	112.4	127.6	135.3	104.7	94.8	119.2	157.5	376.1	374.5	338.6
75°	86.4	94.0	112.4	122.3	90.2	76.4	102.4	133.8	224.7	227.8	203.3
77.5°	79.5	75.7	94.0	107.8	73.4	58.9	82.5	100.9	123.8	125.4	116.2
80°	57.3	55.0	70.3	78.7	55.8	42.0	46.6	62.7	66.5	59.6	61.9
82.5°	36.7	37.5	42.0	50.4	34.4	22.9	32.1	42.0	35.9	29.0	34.4
85°	23.7	26.8	22.2	26.0	10.7	10.7	13.8	18.3	12.2	8.4	9.2
87.5°	0.0	0.0	1.5	3.1	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: P1501349
CATALOG NUMBER: GSS-SB1A-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	539.6	539.6	*539.6*	539.6	539.6	539.6	539.6	539.6	539.6	539.6
2.5°	541.9	541.1	*541.1*	542.7	546.5	548.0	550.3	549.6	551.8	550.3
5°	552.6	553.4	*555.7*	556.4	558.7	561.8	562.6	561.8	563.3	563.3
7.5°	574.0	577.1	*575.5*	579.4	576.3	572.5	566.4	561.8	558.0	559.5
10°	609.9	608.4	*607.6*	600.8	587.0	567.1	551.1	533.5	530.4	527.4
12.5°	649.7	648.2	*648.2*	624.5	585.5	544.2	507.5	480.0	470.8	470.1
15°	705.5	695.5	*686.4*	636.7	558.7	488.4	445.6	424.2	418.9	418.9
17.5°	775.0	749.0	*733.8*	627.5	515.2	451.7	426.5	421.1	419.6	423.4
20°	861.4	795.7	*773.5*	606.9	499.1	456.3	444.1	444.8	445.6	451.0
22.5°	956.2	838.5	*801.8*	606.9	515.2	485.4	479.2	487.6	489.9	494.5
25°	1061.7	876.7	*827.0*	639.0	562.6	540.4	532.7	541.1	547.3	554.9
27.5°	1180.1	916.4	*870.6*	697.1	623.7	609.9	601.5	605.4	613.8	622.9
30°	1286.4	982.9	*937.1*	785.7	707.0	690.2	675.7	681.8	691.0	697.1
32.5°	1380.4	1064.0	*1025.0*	879.0	802.6	773.5	757.5	755.9	774.3	769.7
35°	1466.8	1159.5	*1122.0*	985.2	899.6	863.7	842.3	869.8	857.6	862.2
37.5°	1534.8	1258.9	*1229.0*	1086.9	1000.5	951.6	938.6	972.2	991.3	996.7
40°	1590.6	1345.2	*1313.9*	1187.8	1093.0	1057.1	1077.7	1133.5	1131.2	1128.9
42.5°	1633.4	1419.4	*1385.0*	1264.2	1181.7	1188.5	1204.6	1242.0	1251.2	1238.2
45°	1652.5	1466.0	*1438.5*	1324.6	1282.6	1322.3	1329.2	1345.2	1339.1	1330.7
47.5°	1674.7	1507.3	*1478.2*	1379.6	1391.9	1430.8	1417.1	1404.1	1381.9	1368.9
50°	1712.1	1556.2	*1531.7*	1459.9	1504.2	1491.2	1437.7	1408.7	1363.6	1348.3
52.5°	1783.2	1648.7	*1630.3*	1586.8	1556.9	1482.0	1417.1	1365.1	1314.7	1294.0
55°	1846.6	1774.0	*1763.3*	1705.2	1540.9	1433.9	1346.8	1266.5	1180.1	1162.6
57.5°	1883.3	1981.9	*1994.1*	1755.7	1467.5	1324.6	1196.2	1067.8	986.0	971.5
60°	*1774.0*	*2206.6*	*2212.7*	*1745.7*	*1335.3*	*1127.4*	*931.7*	*840.8*	*752.9*	*727.6*
62.5°	1623.4	2160.0	*2154.7*	1686.1	1063.2	822.4	707.8	665.0	596.9	576.3
65°	1395.7	1799.2	*1805.4*	1456.8	707.0	594.7	594.7	540.4	464.7	450.2
67.5°	1137.3	1387.3	*1373.5*	944.7	434.1	476.2	499.1	421.1	314.9	297.3
70°	739.1	1059.4	*1040.3*	545.0	272.9	396.7	392.9	316.4	225.5	213.2
72.5°	318.0	612.2	*651.2*	278.2	205.6	319.5	313.4	221.7	150.6	145.2
75°	191.8	308.0	*335.5*	177.3	149.8	240.8	217.1	140.6	102.4	98.6
77.5°	121.5	168.9	*167.4*	133.0	112.4	162.8	146.0	97.1	69.6	66.5
80°	70.3	83.3	*86.4*	83.3	75.7	116.2	93.2	70.3	54.3	50.4
82.5°	45.1	52.0	*52.7*	40.5	42.0	74.9	50.4	41.3	31.3	28.3
85°	19.9	22.2	*21.4*	13.8	13.8	30.6	17.6	16.8	12.2	12.2
87.5°	0.8	1.5	*0.8*	0.8	0.8	3.1	1.5	2.3	2.3	2.3
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

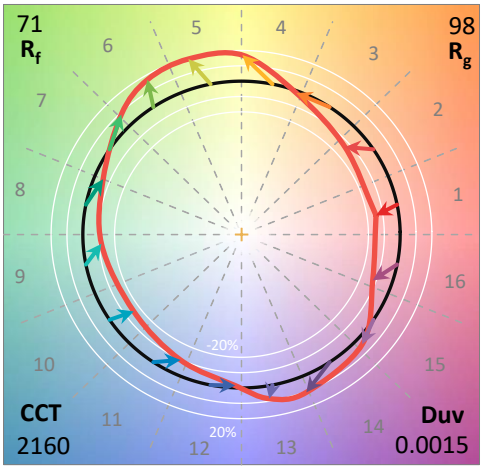
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

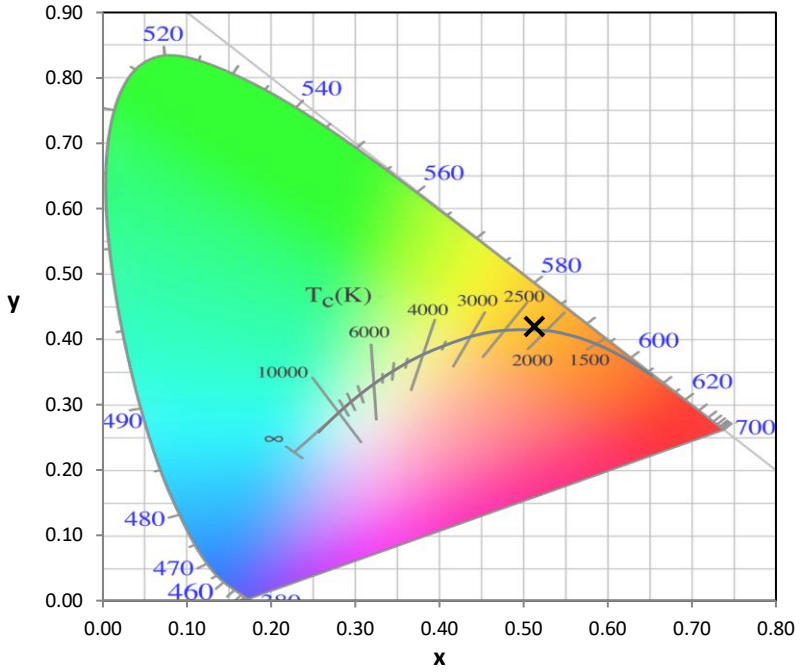
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

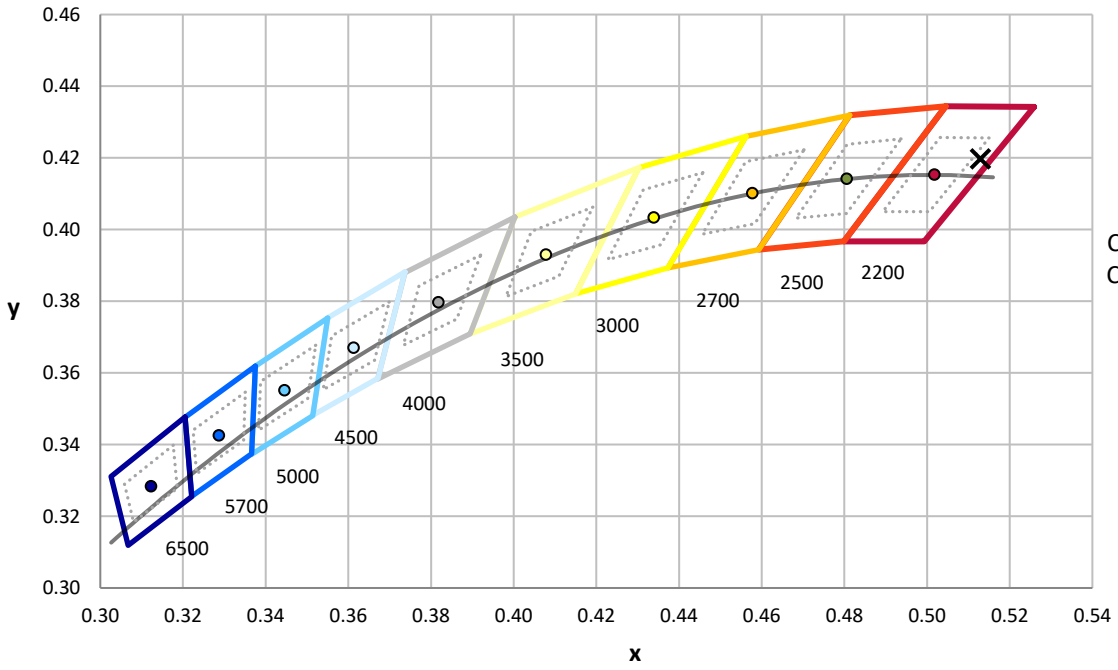
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

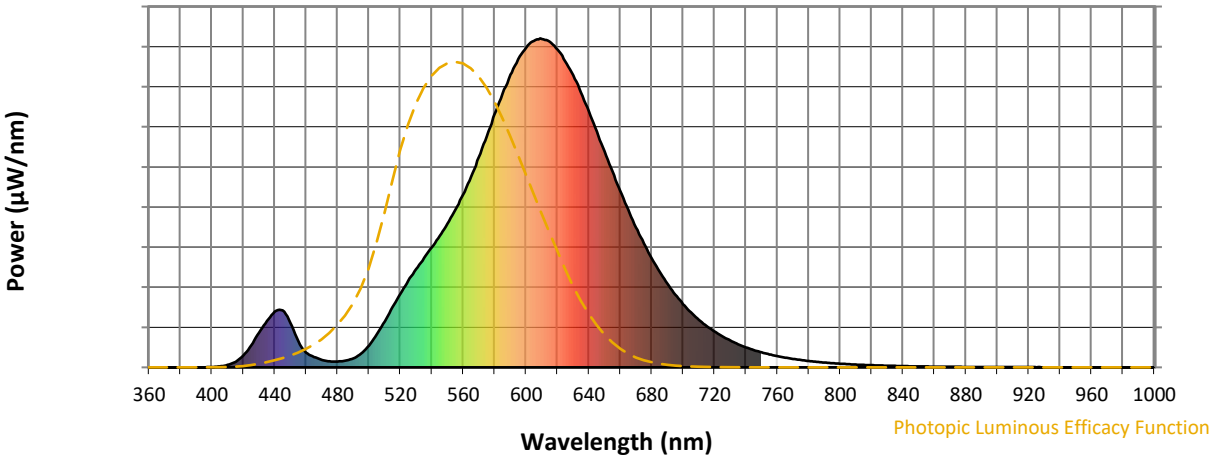


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

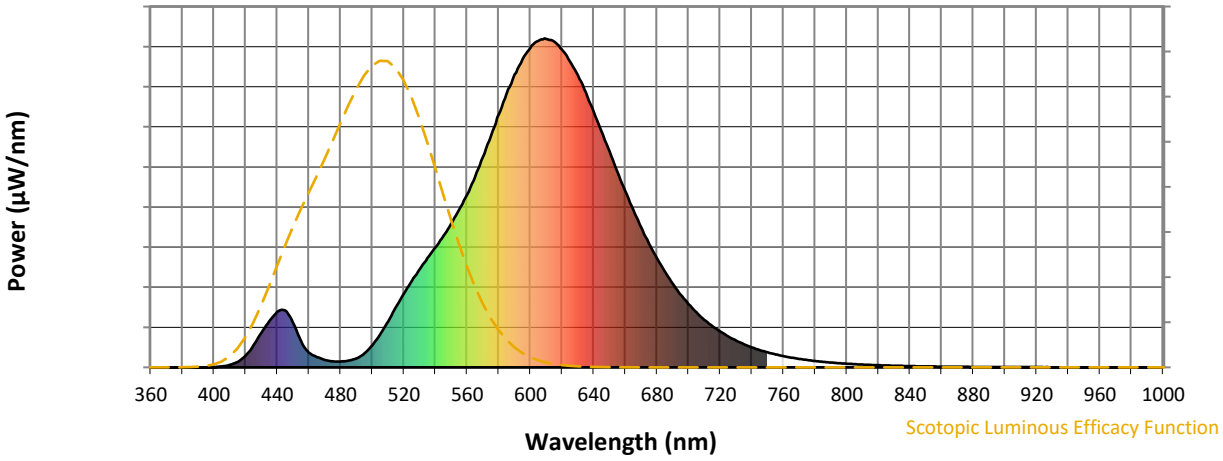


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

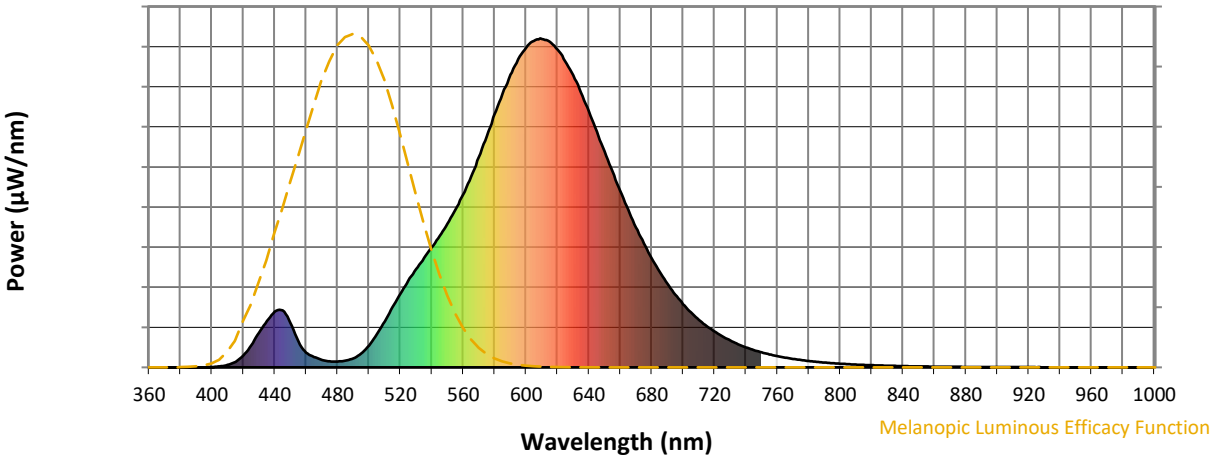


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

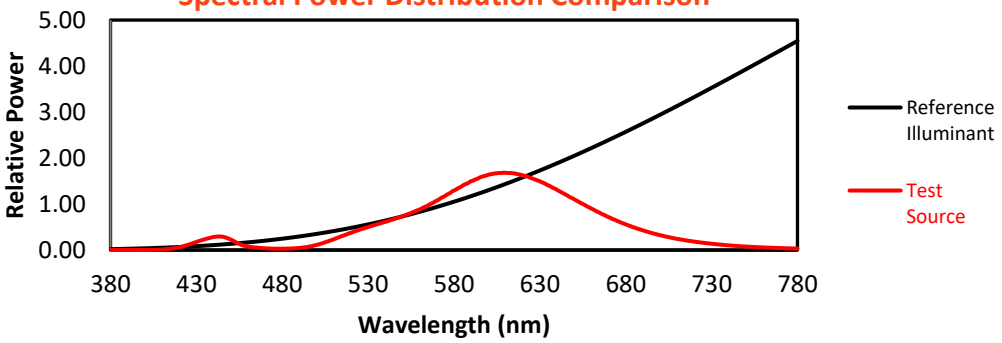
REPORT NUMBER: SP1-2407-184-2

TM-30-18

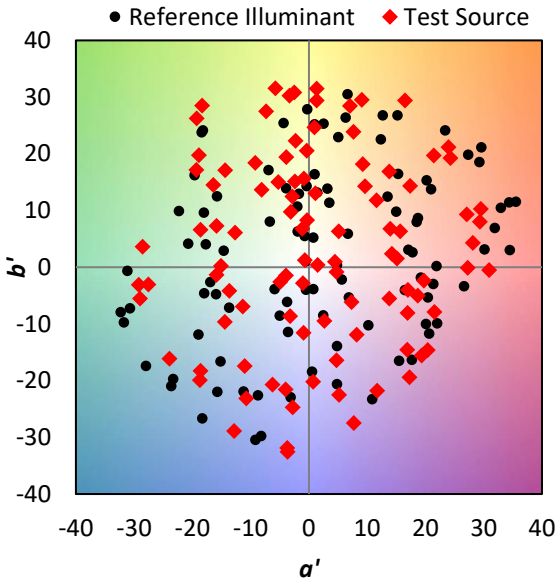
Summary

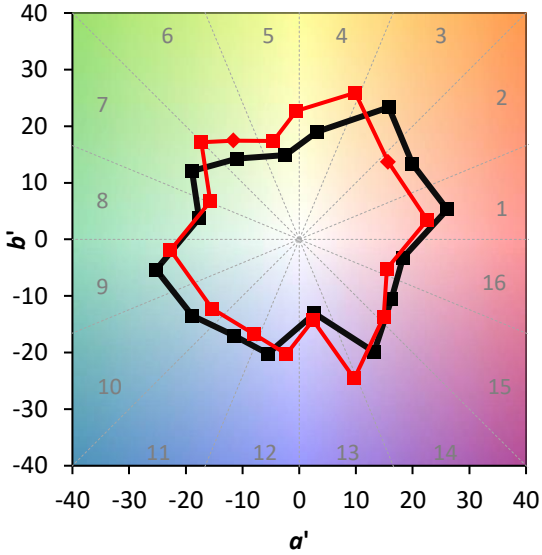
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

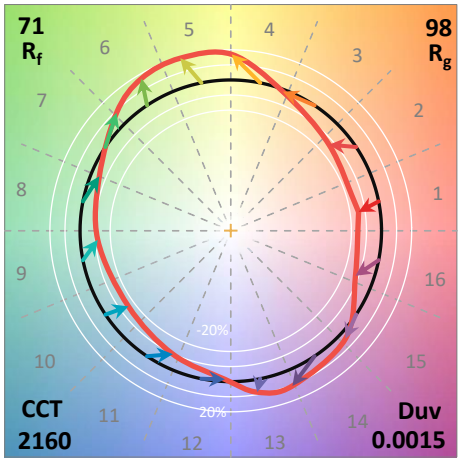
Spectral Power Distribution Comparison

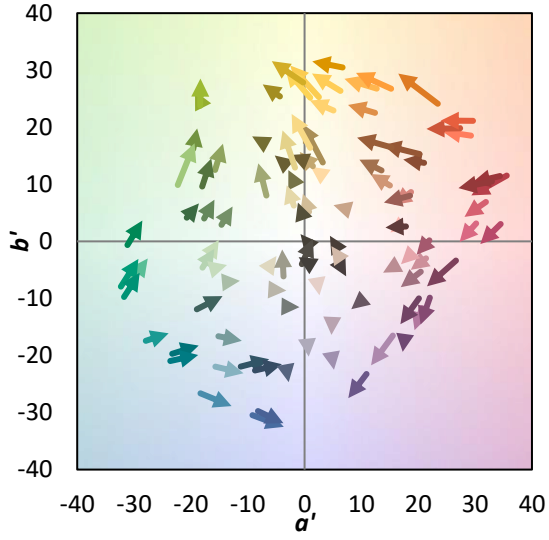


Color Vector Graphics







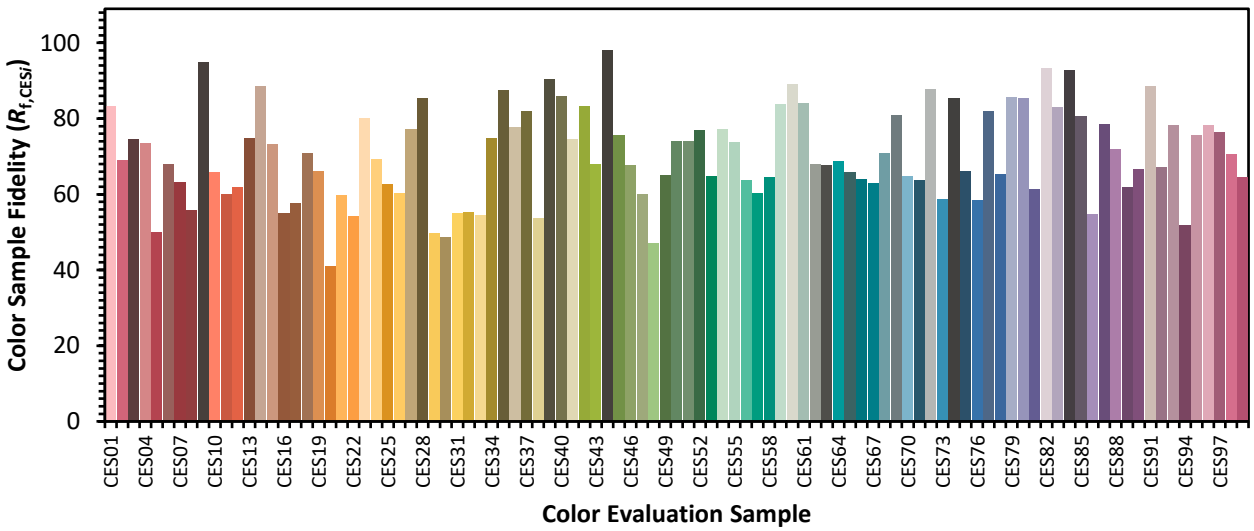


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

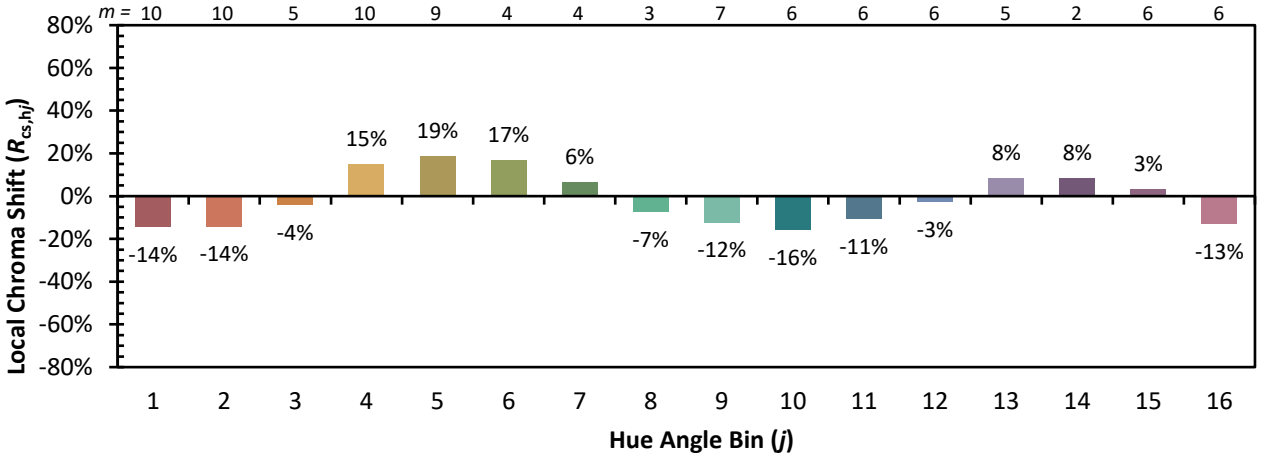
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

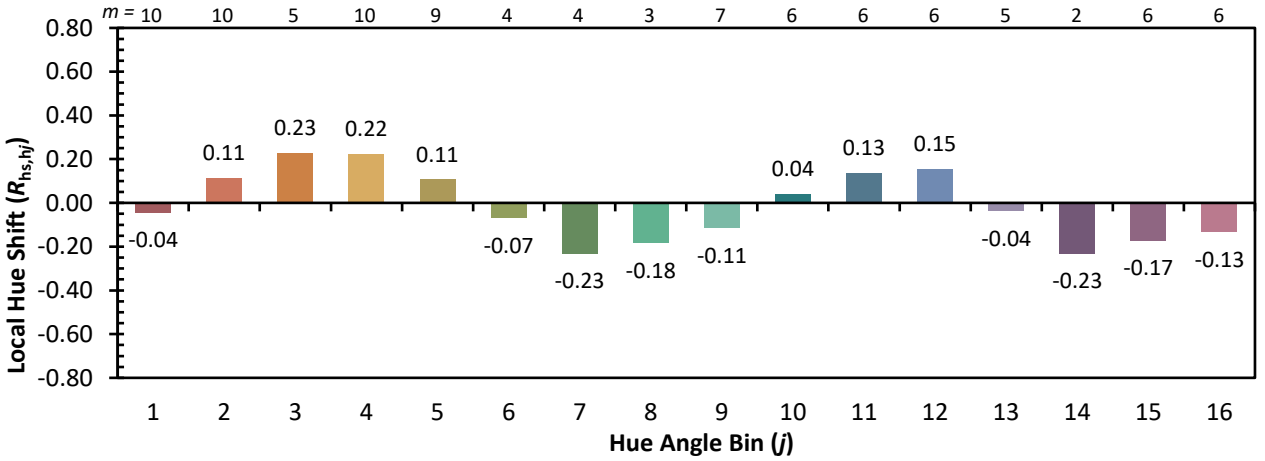


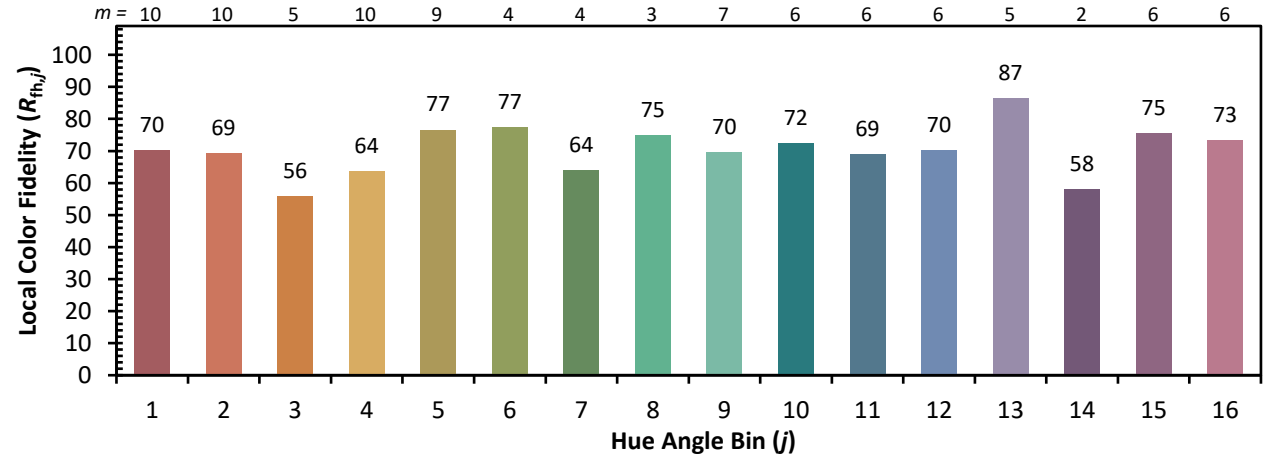
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Color Rendition by Hue-Angle Bin



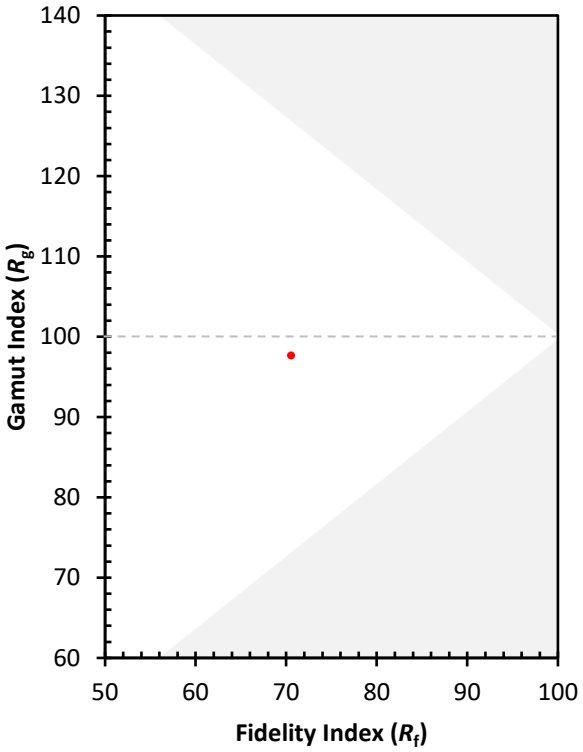


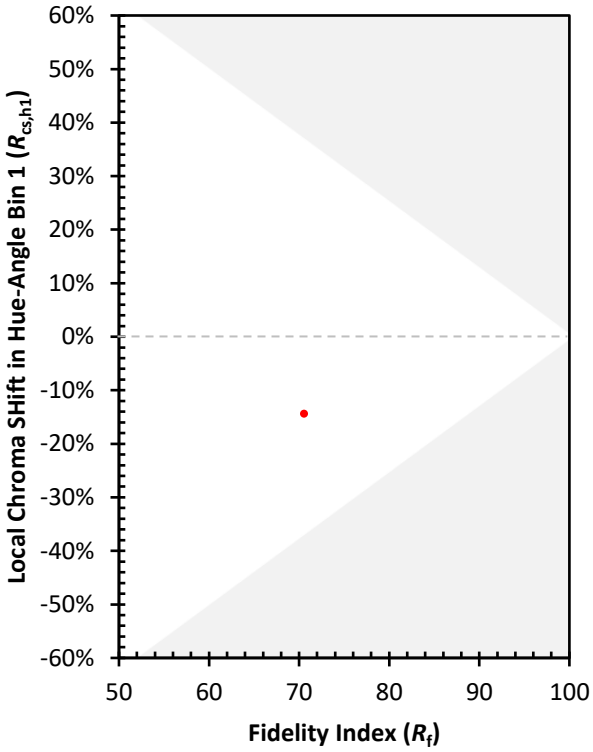


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Measure Comparisons





(END OF REPORT)