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: P1501589

Luminaire Tested: GSS-SB1A-850-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:	P1501589
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-850-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 5000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3882.1 lumens
Efficiency:	N/A
Efficacy:	125.2 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

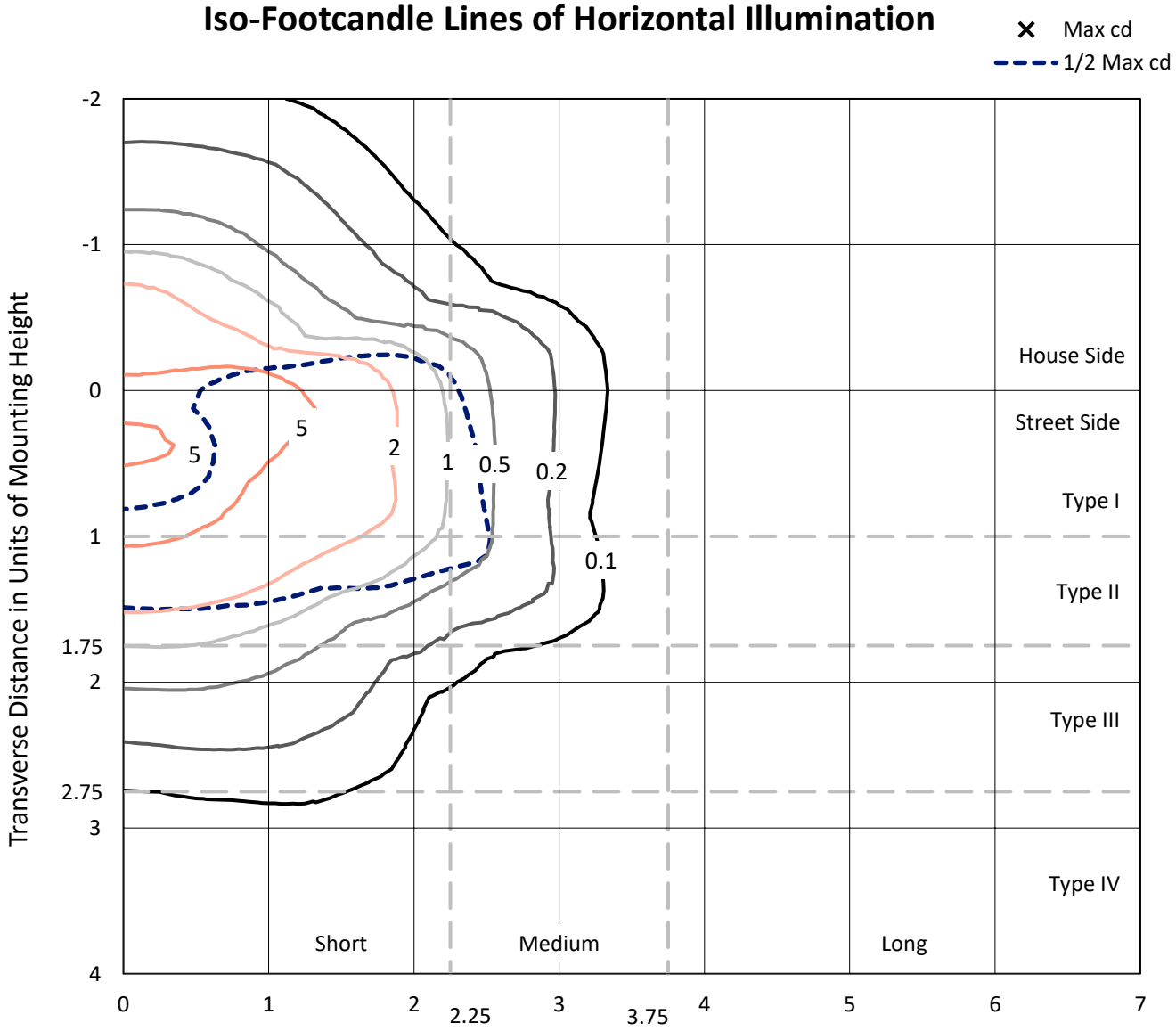
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



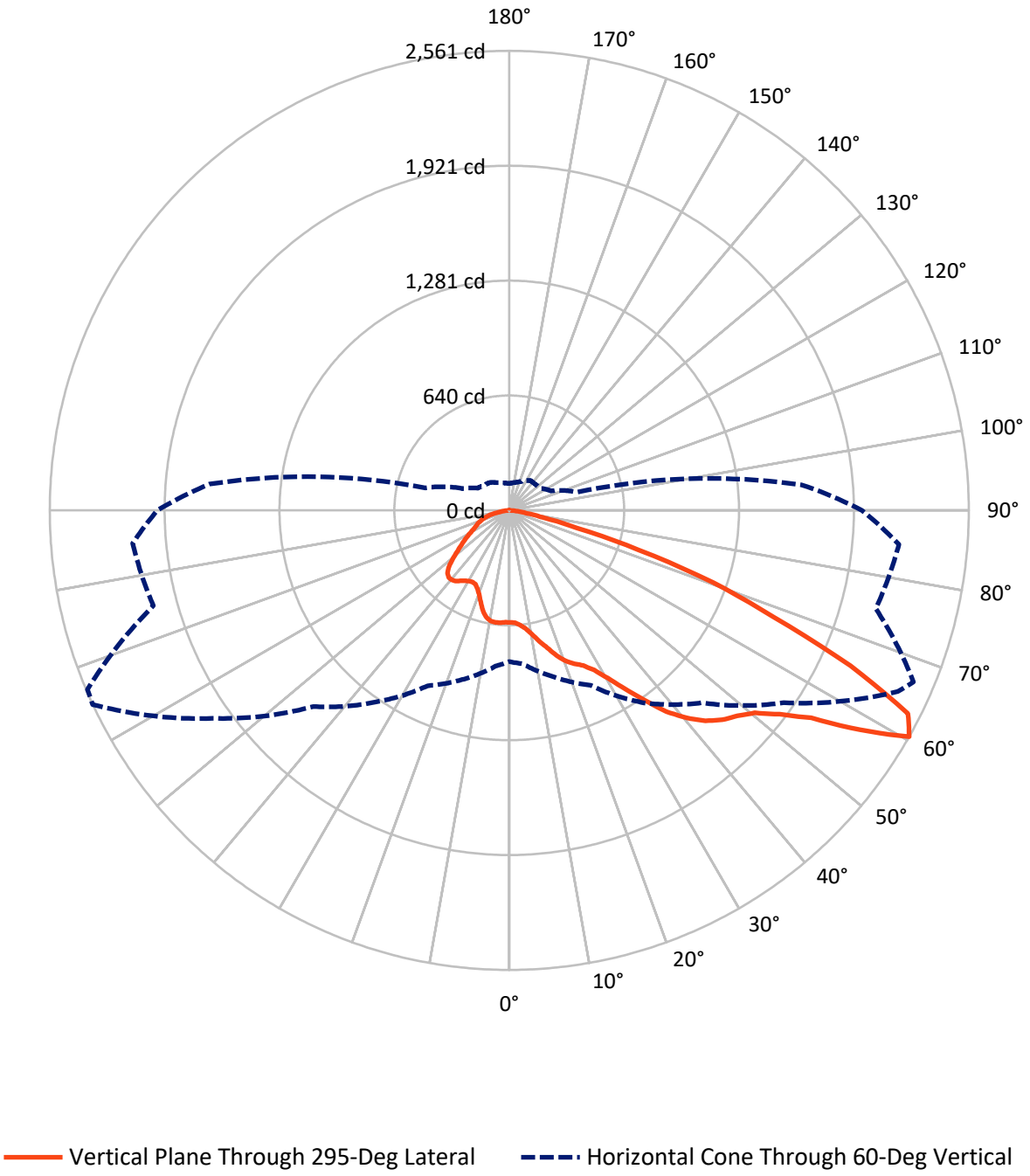
Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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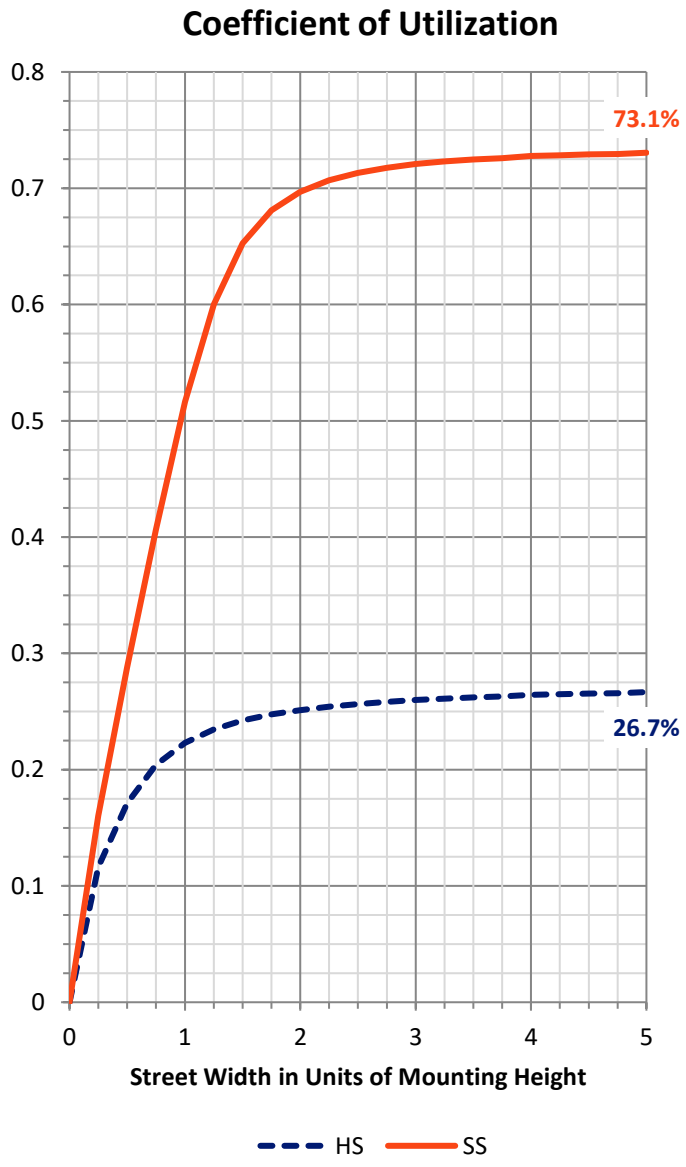
REPORT NUMBER: P1501589
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1043.9	0.0	1043.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2838.1	0.0	2838.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	3882.1	0.0	3882.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.5
10°-20°	168.8	4.3
20°-30°	319.8	8.2
30°-40°	563.8	14.5
40°-50°	833.7	21.5
50°-60°	979.0	25.2
60°-70°	709.3	18.3
70°-80°	218.8	5.6
80°-90°	30.1	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°	3882.1	100.0
0°-180°	3882.1	100.0



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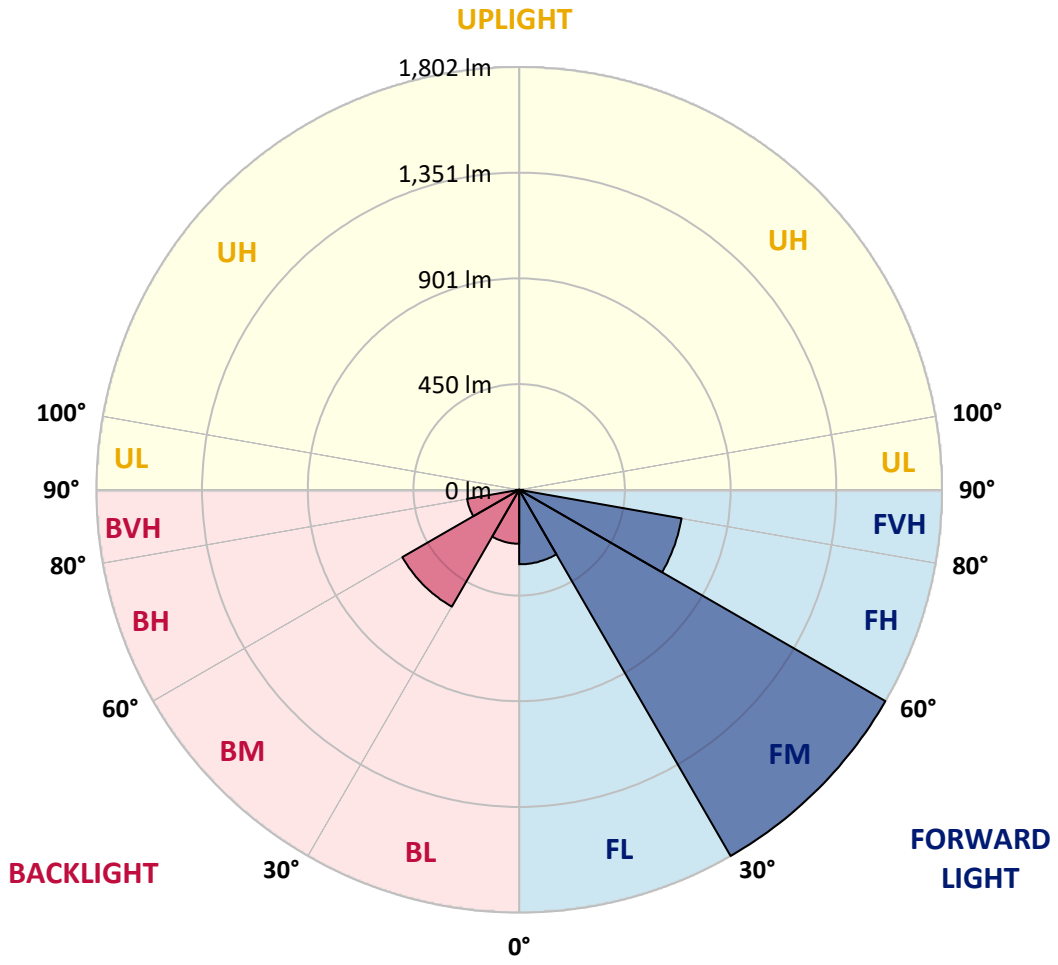
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	317.4	8.2			
FM	(30°-60°)	1801.7	46.4			
FH	(60°-80°)	702.8	18.1			G1/1800
FVH	(80°-90°)	16.2	0.4			G1/100
BL	(0°-30°)	229.9	5.9	B1/500		
BM	(30°-60°)	574.8	14.8	B1/1000		
BH	(60°-80°)	225.3	5.8	B1/500		G1/500
BVH	(80°-90°)	13.9	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°	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6
2.5°	637.0	638.8	636.1	637.9	637.9	635.2	634.3	630.8	632.6	631.7	630.8
5°	652.0	652.9	651.1	653.8	653.8	654.7	653.8	649.4	649.4	649.4	647.6
7.5°	647.6	647.6	648.5	657.3	666.2	677.7	677.7	675.9	677.7	676.8	668.8
10°	610.4	614.0	622.0	644.1	665.3	690.1	706.9	712.2	712.2	713.1	699.8
12.5°	544.1	546.8	565.3	598.9	643.2	688.3	729.0	755.5	758.2	762.6	744.9
15°	484.8	486.6	499.9	534.4	584.8	664.4	741.4	796.2	805.1	823.7	797.1
17.5°	490.1	489.2	492.8	506.1	542.3	625.5	738.7	844.0	859.9	892.7	869.7
20°	522.0	522.0	524.6	527.3	540.6	597.2	719.3	882.9	913.9	977.6	951.1
22.5°	572.4	572.4	571.5	575.9	575.9	609.6	720.2	912.1	958.1	1072.3	1046.6
25°	642.3	638.8	638.8	640.5	632.6	656.5	742.3	942.2	1002.4	1184.6	1162.5
27.5°	721.0	723.7	721.9	715.7	705.1	723.7	795.4	989.1	1051.9	1303.2	1294.3
30°	806.9	807.7	809.5	806.0	797.1	810.4	878.5	1059.9	1117.4	1427.0	1446.5
32.5°	890.9	903.3	898.9	890.0	893.6	917.4	981.1	1155.4	1214.7	1542.0	1611.1
35°	998.0	1002.4	1020.1	987.3	988.2	1028.9	1112.1	1281.1	1338.6	1661.5	1775.6
37.5°	1153.7	1161.6	1153.7	1102.3	1094.4	1151.0	1239.5	1404.9	1446.5	1751.7	1928.7
40°	1306.7	1316.4	1329.7	1269.6	1219.1	1266.0	1359.8	1499.6	1542.9	1801.3	2030.4
42.5°	1433.2	1449.2	1435.0	1417.3	1371.3	1380.1	1443.8	1573.0	1616.4	1864.1	2133.0
45°	1540.3	1542.9	1549.1	1536.7	1513.7	1505.8	1515.5	1637.6	1685.4	1892.4	2183.5
47.5°	1584.5	1596.0	1601.3	1622.6	1646.4	1630.5	1576.6	1667.7	1711.0	1890.6	2199.4
50°	1560.6	1572.1	1600.4	1650.9	1708.4	1736.7	1648.2	1709.3	1757.9	1922.5	2232.1
52.5°	1497.8	1510.2	1556.2	1613.7	1710.1	1774.7	1749.1	1796.0	1842.9	1979.1	2287.0
55°	1345.6	1364.2	1428.8	1524.4	1657.1	1754.4	1855.2	1923.4	1974.7	2047.2	2343.6
57.5°	1124.5	1143.9	1216.5	1359.8	1558.9	1670.3	1886.2	2162.2	2185.2	2128.6	2348.9
60°	*842.2*	*858.2*	*960.8*	*1075.8*	*1309.4*	*1516.4*	*1868.5*	*2388.7*	*2447.1*	*2114.5*	*2179.9*
62.5°	667.1	686.5	777.7	830.7	998.0	1252.7	1806.6	2451.5	2502.0	1997.7	1944.6
65°	521.1	534.4	619.3	695.4	736.1	855.5	1548.2	2144.5	2189.7	1807.5	1604.9
67.5°	344.2	364.5	465.4	569.8	591.0	544.1	1065.2	1650.0	1671.2	1436.8	1206.7
70°	246.8	256.6	331.8	443.2	475.1	364.5	580.4	1249.2	1255.4	964.3	813.0
72.5°	168.1	169.9	225.6	339.7	378.7	264.5	319.4	822.8	801.5	476.0	465.4
75°	114.1	115.9	144.2	226.5	268.1	184.0	207.9	448.5	430.9	262.8	282.2
77.5°	77.0	78.7	99.1	152.2	178.7	127.4	152.2	237.1	232.7	174.3	151.3
80°	58.4	61.0	73.4	97.3	124.7	74.3	86.7	112.4	114.1	92.9	77.0
82.5°	32.7	36.3	44.2	49.5	80.5	41.6	41.6	67.2	64.6	57.5	41.6
85°	14.2	15.0	17.7	18.6	32.7	17.7	15.0	29.2	30.1	28.3	13.3
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.5	3.5	3.5	3.5
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°	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6
2.5°	626.4	631.7	626.4	623.7	623.7	619.3	617.5	617.5	611.3	614.0	612.2
5°	640.5	642.3	636.1	628.1	617.5	608.7	596.3	580.4	570.6	569.8	570.6
7.5°	662.6	663.5	646.7	629.0	602.5	570.6	532.6	501.6	474.2	469.8	475.1
10°	693.6	691.8	667.1	625.5	569.8	502.5	444.1	415.8	399.9	399.0	398.1
12.5°	735.2	723.7	685.6	610.4	513.1	435.3	405.2	403.4	407.9	411.4	412.3
15°	783.0	767.9	700.7	581.3	455.6	410.5	412.3	427.3	432.6	436.2	436.2
17.5°	842.2	822.8	717.5	539.7	426.4	415.8	428.2	442.4	451.2	454.7	453.9
20°	921.0	880.3	730.8	499.9	418.5	424.7	435.3	449.4	458.3	462.7	462.7
22.5°	999.7	949.3	733.4	472.4	418.5	425.5	435.3	449.4	459.2	463.6	462.7
25°	1106.8	1037.8	734.3	453.0	419.4	421.1	430.0	442.4	456.5	460.9	462.7
27.5°	1220.9	1135.1	738.7	448.5	415.8	414.9	421.1	432.6	446.8	458.3	459.2
30°	1362.5	1244.8	740.5	453.0	416.7	405.2	409.6	421.1	436.2	447.7	451.2
32.5°	1501.4	1346.5	737.0	462.7	418.5	399.0	399.9	407.0	422.9	430.9	437.0
35°	1648.2	1454.5	730.8	476.0	419.4	396.3	388.4	391.9	402.5	403.4	406.1
37.5°	1763.2	1535.0	712.2	493.7	421.1	386.6	370.7	368.0	363.6	354.8	356.5
40°	1857.9	1588.9	681.2	502.5	416.7	375.1	348.6	336.2	319.4	306.1	308.8
42.5°	1926.0	1625.2	644.1	504.3	409.6	355.7	322.9	301.7	283.1	269.0	269.8
45°	1956.1	1621.7	604.3	491.0	392.8	331.8	299.0	278.7	258.3	243.3	241.5
47.5°	1957.0	1587.2	549.4	459.2	364.5	304.3	276.9	254.8	238.0	227.4	226.5
50°	1964.1	1567.7	498.1	413.2	327.3	275.1	257.5	235.3	225.6	210.6	206.1
52.5°	2008.3	1599.6	462.7	362.7	292.8	253.9	240.6	221.2	205.3	195.5	194.6
55°	2080.0	1654.4	443.2	324.7	260.1	233.6	224.7	207.9	193.8	184.0	181.4
57.5°	2088.8	1682.7	420.2	289.3	233.6	217.6	214.1	195.5	175.2	168.1	165.4
60°	*1964.9*	*1634.9*	*391.9*	*256.6*	*214.1*	*205.3*	*203.5*	*178.7*	*161.9*	*153.1*	*149.5*
62.5°	1796.0	1515.5	348.6	226.5	199.1	192.9	185.8	166.3	145.1	135.4	132.7
65°	1467.7	1274.0	296.4	206.1	184.0	176.9	175.2	148.6	134.5	129.2	128.3
67.5°	1112.1	1023.6	261.0	191.1	168.1	165.4	159.2	150.4	144.2	138.0	136.2
70°	786.5	738.7	222.1	171.6	152.2	147.7	173.4	163.7	141.6	133.6	132.7
72.5°	476.9	463.6	192.0	153.9	130.9	138.0	160.1	147.7	127.4	117.7	114.1
75°	300.8	275.1	161.0	130.9	104.4	112.4	139.8	131.8	109.7	100.0	97.3
77.5°	163.7	152.2	121.2	107.0	82.3	91.1	122.1	108.8	87.6	95.5	84.9
80°	71.7	79.6	80.5	61.9	54.9	67.2	87.6	84.9	67.2	68.1	56.6
82.5°	34.5	45.1	52.2	42.5	31.0	39.8	58.4	48.7	45.1	42.5	40.7
85°	10.6	16.8	23.0	20.3	14.2	16.8	27.4	26.5	31.8	27.4	25.7
87.5°	3.5	3.5	2.7	2.7	2.7	3.5	4.4	2.7	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°	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6	624.6
2.5°	611.3	612.2	612.2	613.1	613.1	615.8	619.3	622.8	620.2	623.7	624.6
5°	568.9	573.3	576.8	590.1	600.7	609.6	619.3	628.1	630.8	632.6	637.0
7.5°	468.9	481.3	504.3	534.4	568.0	600.7	622.8	645.8	649.4	653.8	660.0
10°	399.0	404.3	420.2	451.2	511.4	575.9	629.9	666.2	681.2	690.1	696.3
12.5°	410.5	407.0	404.3	408.7	447.7	530.8	625.5	695.4	723.7	733.4	741.4
15°	437.9	434.4	424.7	412.3	416.7	483.1	610.4	722.8	767.9	783.9	800.7
17.5°	453.9	450.3	442.4	429.1	417.6	443.2	582.1	747.6	837.8	857.3	881.2
20°	462.7	459.2	451.2	437.9	424.7	428.2	545.9	778.5	917.4	948.4	983.8
22.5°	464.5	460.0	451.2	437.9	430.0	427.3	511.4	797.1	1003.3	1051.0	1091.7
25°	463.6	455.6	444.1	434.4	430.0	429.1	487.5	807.7	1096.2	1172.2	1218.2
27.5°	457.4	447.7	436.2	429.1	427.3	432.6	476.9	820.1	1205.0	1302.3	1375.7
30°	450.3	436.2	422.0	419.4	423.8	440.6	485.7	824.5	1319.1	1443.8	1519.0
32.5°	431.7	421.1	407.0	406.1	416.7	446.8	506.1	818.4	1420.0	1585.4	1680.1
35°	405.2	399.0	391.0	393.7	410.5	452.1	520.2	798.9	1512.0	1717.2	1827.8
37.5°	358.3	362.7	367.2	373.3	394.6	451.2	526.4	767.9	1588.1	1822.5	1964.1
40°	306.1	321.1	335.3	351.2	379.5	444.1	528.2	729.9	1632.3	1902.1	2085.3
42.5°	273.4	287.5	305.2	328.2	359.2	428.2	526.4	687.4	1646.4	1957.0	2162.2
45°	243.3	260.1	282.2	306.1	341.5	405.2	510.5	641.4	1653.5	1982.6	2195.0
47.5°	227.4	237.1	257.5	281.3	318.5	376.9	479.5	607.8	1642.9	1987.9	2234.8
50°	208.8	222.1	235.3	258.3	294.6	341.5	442.4	588.3	1660.6	2040.1	2297.6
52.5°	194.6	201.7	215.9	237.1	263.6	308.8	407.0	572.4	1709.3	2093.2	2363.1
55°	184.0	192.0	200.8	218.5	238.9	276.0	370.7	548.5	1765.9	2149.8	2428.5
57.5°	167.2	172.5	184.9	203.5	216.8	244.2	328.2	520.2	1761.5	2105.6	2315.3
60°	*152.2*	*157.5*	*170.7*	*189.3*	*197.3*	*215.9*	*286.6*	*483.9*	*1676.5*	*1961.4*	*2106.5*
62.5°	135.4	141.6	157.5	170.7	177.8	192.0	243.3	417.6	1499.6	1744.6	1862.3
65°	128.3	131.8	142.4	158.4	157.5	170.7	205.3	328.2	1206.7	1333.3	1440.3
67.5°	136.2	141.6	139.8	144.2	141.6	148.6	184.0	263.6	948.4	1004.1	1066.1
70°	134.5	146.9	153.1	144.2	123.9	131.8	159.2	210.6	678.6	673.3	670.6
72.5°	117.7	130.1	147.7	156.6	121.2	109.7	138.0	182.3	435.3	433.5	391.9
75°	100.0	108.8	130.1	141.6	104.4	88.5	118.6	154.8	260.1	263.6	235.3
77.5°	92.0	87.6	108.8	124.7	84.9	68.1	95.5	116.8	143.3	145.1	134.5
80°	66.4	63.7	81.4	91.1	64.6	48.7	54.0	72.5	77.0	69.0	71.7
82.5°	42.5	43.4	48.7	58.4	39.8	26.5	37.2	48.7	41.6	33.6	39.8
85°	27.4	31.0	25.7	30.1	12.4	12.4	15.9	21.2	14.2	9.7	10.6
87.5°	0.0	0.0	1.8	3.5	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: P1501589
CATALOG NUMBER: GSS-SB1A-850-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	624.6	624.6	*624.6*	624.6	624.6	624.6	624.6	624.6	624.6	624.6
2.5°	627.3	626.4	*626.4*	628.1	632.6	634.3	637.0	636.1	638.8	637.0
5°	639.6	640.5	*643.2*	644.1	646.7	650.3	651.1	650.3	652.0	652.0
7.5°	664.4	668.0	*666.2*	670.6	667.1	662.6	655.6	650.3	645.8	647.6
10°	706.0	704.2	*703.3*	695.4	679.5	656.5	637.9	617.5	614.0	610.4
12.5°	752.0	750.2	*750.2*	722.8	677.7	629.9	587.4	555.6	545.0	544.1
15°	816.6	805.1	*794.5*	737.0	646.7	565.3	515.8	491.0	484.8	484.8
17.5°	897.1	867.0	*849.3*	726.3	596.3	522.9	493.7	487.5	485.7	490.1
20°	997.1	921.0	*895.3*	702.5	577.7	528.2	514.0	514.9	515.8	522.0
22.5°	1106.8	970.5	*928.1*	702.5	596.3	561.8	554.7	564.4	567.1	572.4
25°	1228.9	1014.8	*957.3*	739.6	651.1	625.5	616.6	626.4	633.5	642.3
27.5°	1366.0	1060.8	*1007.7*	806.9	721.9	706.0	696.3	700.7	710.4	721.0
30°	1489.0	1137.7	*1084.7*	909.5	818.4	798.9	782.1	789.2	799.8	806.9
32.5°	1597.8	1231.5	*1186.4*	1017.4	928.9	895.3	876.7	875.0	896.2	890.9
35°	1697.8	1342.1	*1298.8*	1140.4	1041.3	999.7	975.0	1006.8	992.6	998.0
37.5°	1776.5	1457.1	*1422.6*	1258.1	1158.1	1101.5	1086.4	1125.4	1147.5	1153.7
40°	1841.1	1557.1	*1520.8*	1374.8	1265.1	1223.6	1247.4	1312.0	1309.4	1306.7
42.5°	1890.6	1642.9	*1603.1*	1463.3	1367.8	1375.7	1394.3	1437.7	1448.3	1433.2
45°	1912.7	1696.9	*1665.0*	1533.2	1484.5	1530.5	1538.5	1557.1	1550.0	1540.3
47.5°	1938.4	1744.6	*1711.0*	1596.9	1611.1	1656.2	1640.3	1625.2	1599.6	1584.5
50°	1981.7	1801.3	*1773.0*	1689.8	1741.1	1726.1	1664.1	1630.5	1578.3	1560.6
52.5°	2064.0	1908.3	*1887.1*	1836.7	1802.2	1715.5	1640.3	1580.1	1521.7	1497.8
55°	2137.5	2053.4	*2041.0*	1973.8	1783.6	1659.7	1558.9	1466.0	1366.0	1345.6
57.5°	2179.9	2294.1	*2308.2*	2032.2	1698.6	1533.2	1384.6	1235.9	1141.3	1124.5
60°	*2053.4*	*2554.2*	*2561.2*	*2020.7*	*1545.6*	*1304.9*	*1078.5*	*973.2*	*871.4*	*842.2*
62.5°	1879.1	2500.2	*2494.0*	1951.7	1230.6	951.9	819.2	769.7	691.0	667.1
65°	1615.5	2082.6	*2089.7*	1686.3	818.4	688.3	688.3	625.5	537.9	521.1
67.5°	1316.4	1605.7	*1589.8*	1093.5	502.5	551.2	577.7	487.5	364.5	344.2
70°	855.5	1226.2	*1204.1*	630.8	315.8	459.2	454.7	366.3	261.0	246.8
72.5°	368.0	708.7	*753.8*	322.0	238.0	369.8	362.7	256.6	174.3	168.1
75°	222.1	356.5	*388.4*	205.3	173.4	278.7	251.3	162.8	118.6	114.1
77.5°	140.7	195.5	*193.8*	153.9	130.1	188.4	169.0	112.4	80.5	77.0
80°	81.4	96.4	*100.0*	96.4	87.6	134.5	107.9	81.4	62.8	58.4
82.5°	52.2	60.2	*61.0*	46.9	48.7	86.7	58.4	47.8	36.3	32.7
85°	23.0	25.7	*24.8*	15.9	15.9	35.4	20.3	19.5	14.2	14.2
87.5°	0.9	1.8	*0.9*	0.9	0.9	3.5	1.8	2.7	2.7	2.7
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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

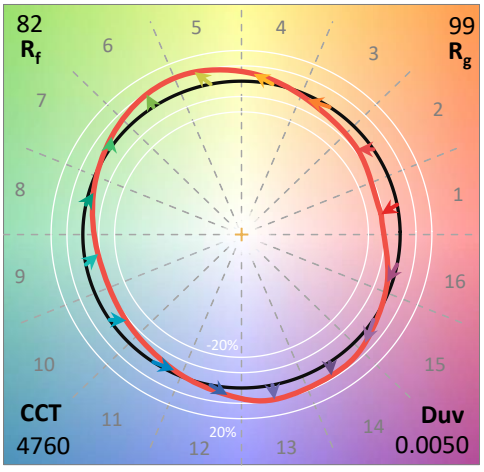
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-12
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-850-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4760
CIE u':	0.2107
CIE v':	0.4939
Duv:	0.0050
CIE x:	0.3537
CIE y:	0.3685
CIE z:	0.2779
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	571
Purity:	16.69598
Rf:	82
Rg:	99.4

CRI (Ra):	81.1
R1:	79.8
R2:	83.5
R3:	87.9
R4:	83.1
R5:	80.5
R6:	79.1
R7:	86.1
R8:	69.0
R9:	8.7
R10:	62.4
R11:	83.8
R12:	63.0
R13:	79.9
R14:	93.3
R15:	72.7



Test Conditions

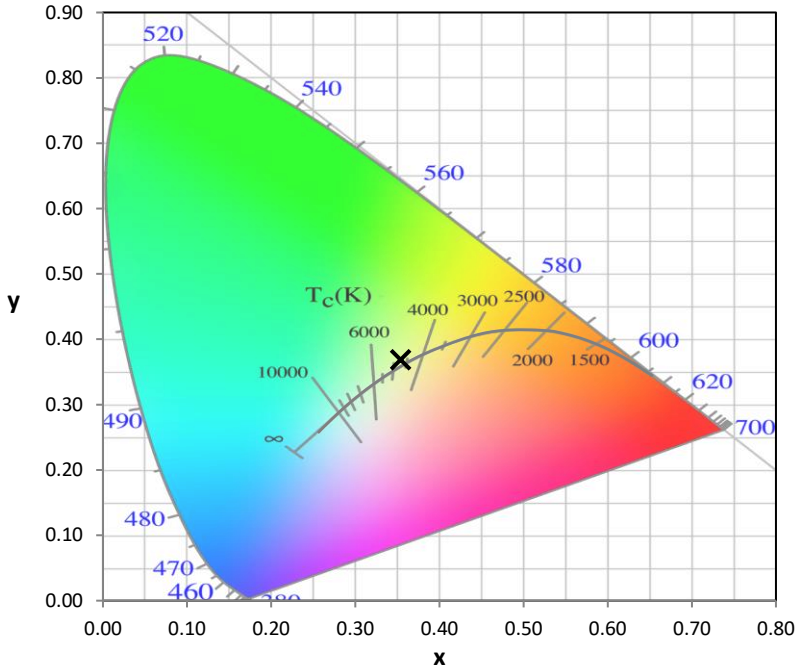
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-12

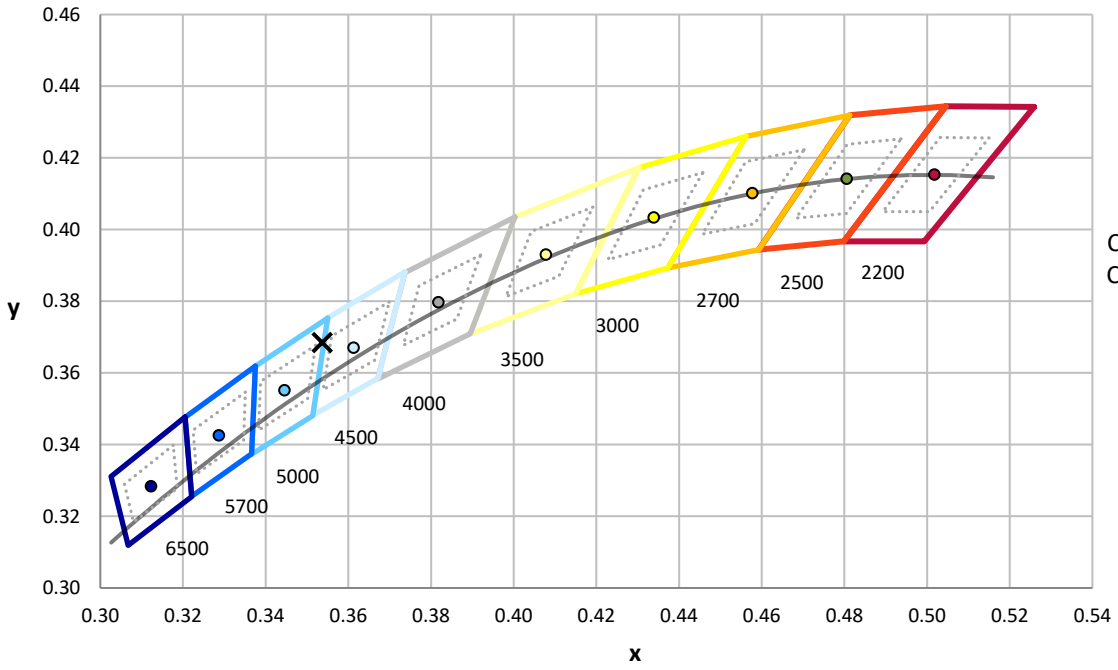
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



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

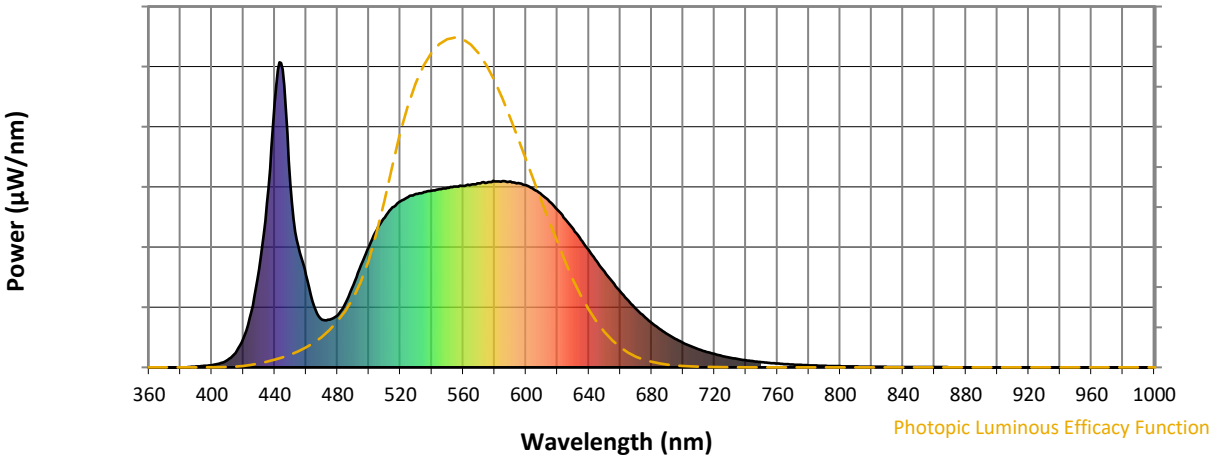


CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

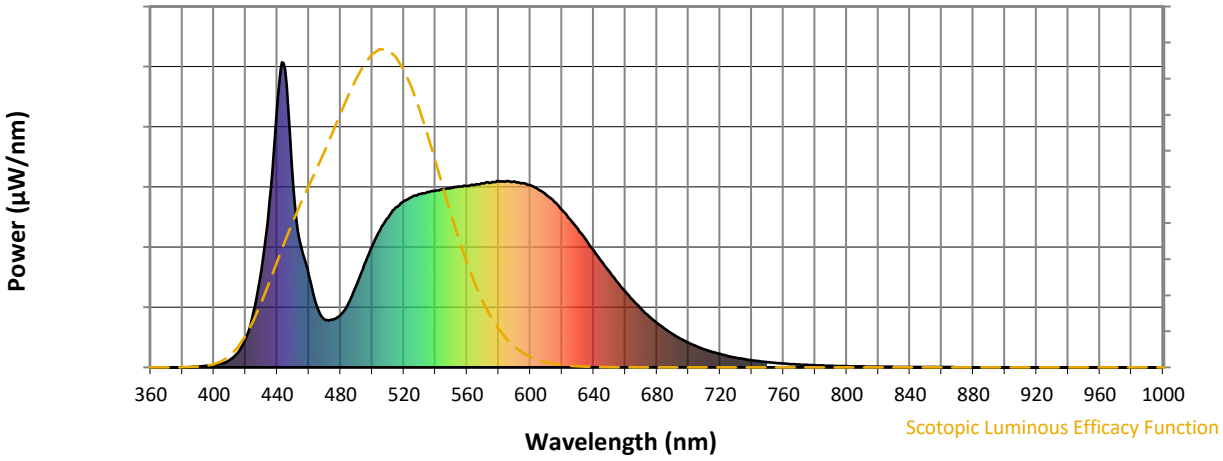


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength

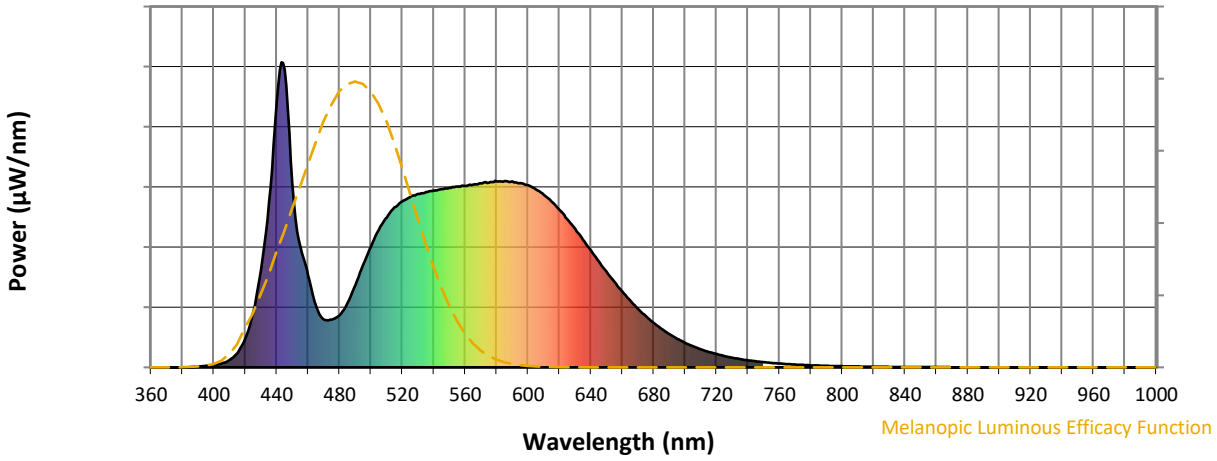


Scotopic Lumens: NR **S/P: 1.83**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.74**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

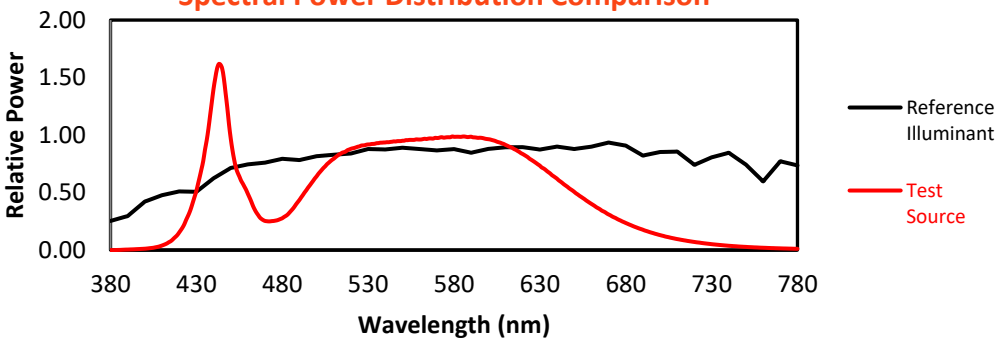
REPORT NUMBER: SP1-2407-184-12

TM-30-18

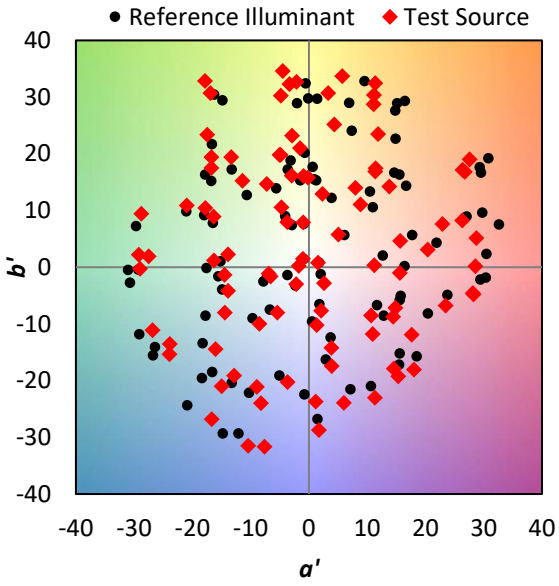
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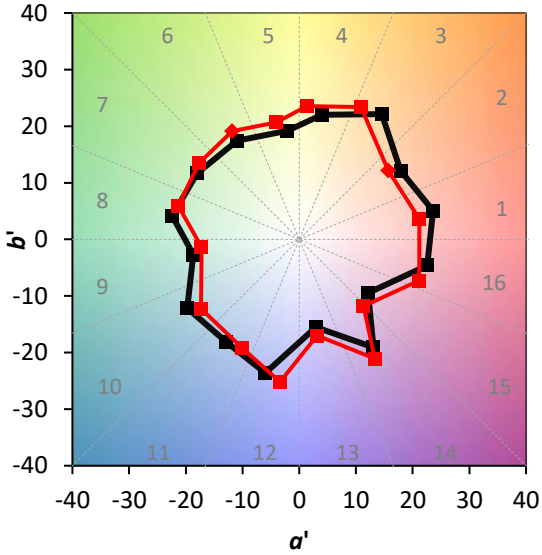
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R_g = 99.4
CIE R_a = 81.1
R_9 = 8.7

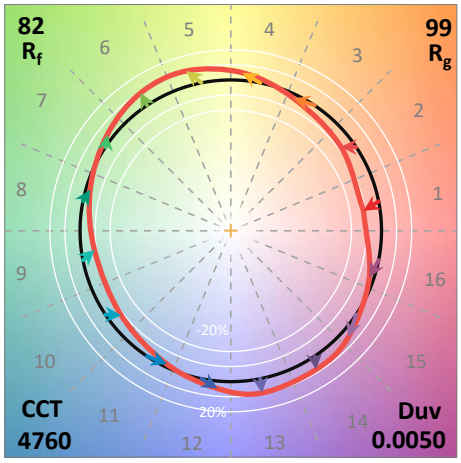
Spectral Power Distribution Comparison

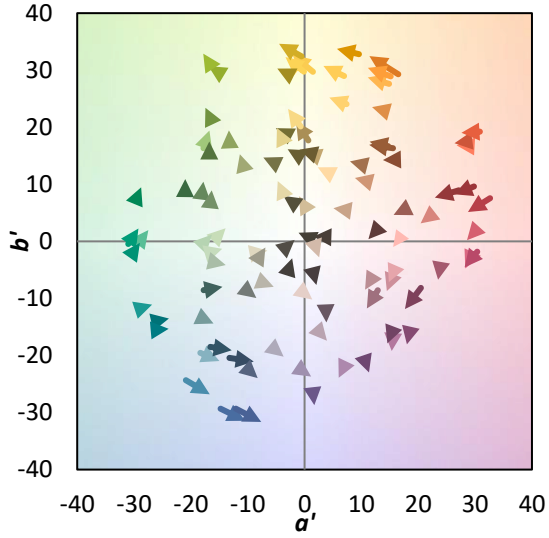


Color Vector Graphics







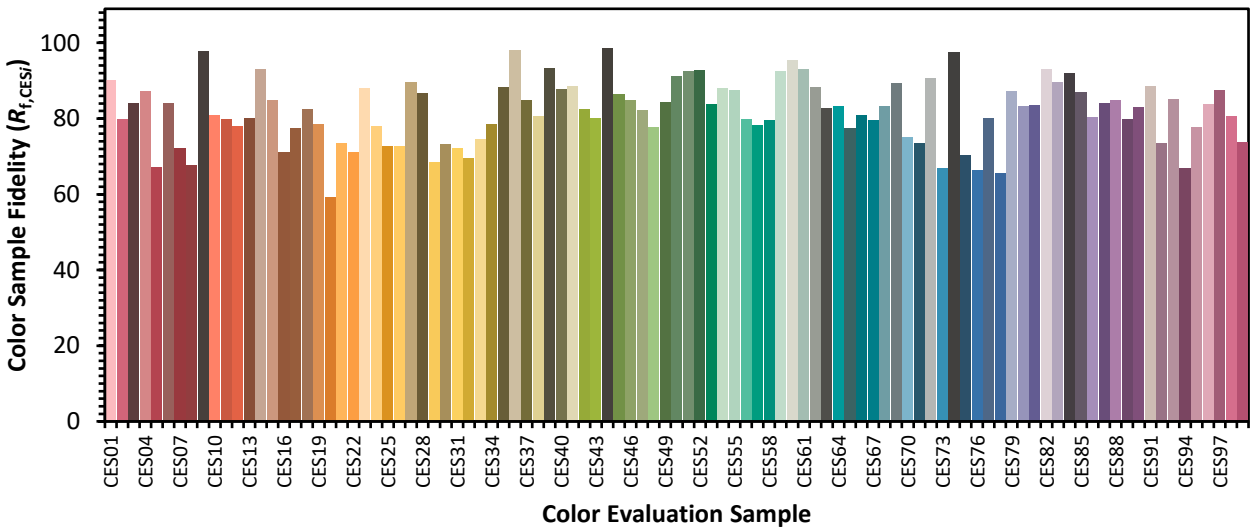


REPORT NUMBER: SP1-2407-184-12

TM-30-18

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

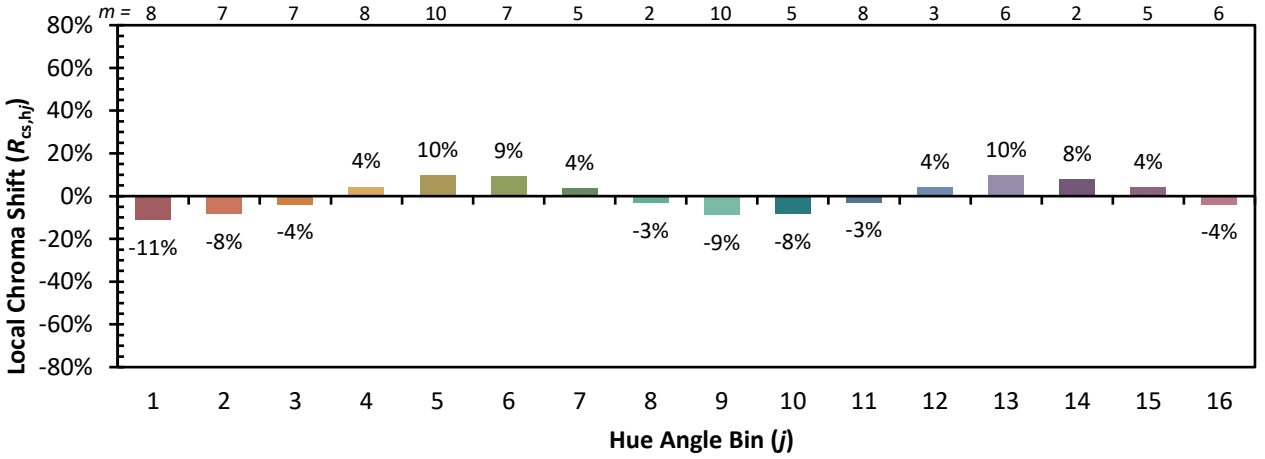
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CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	

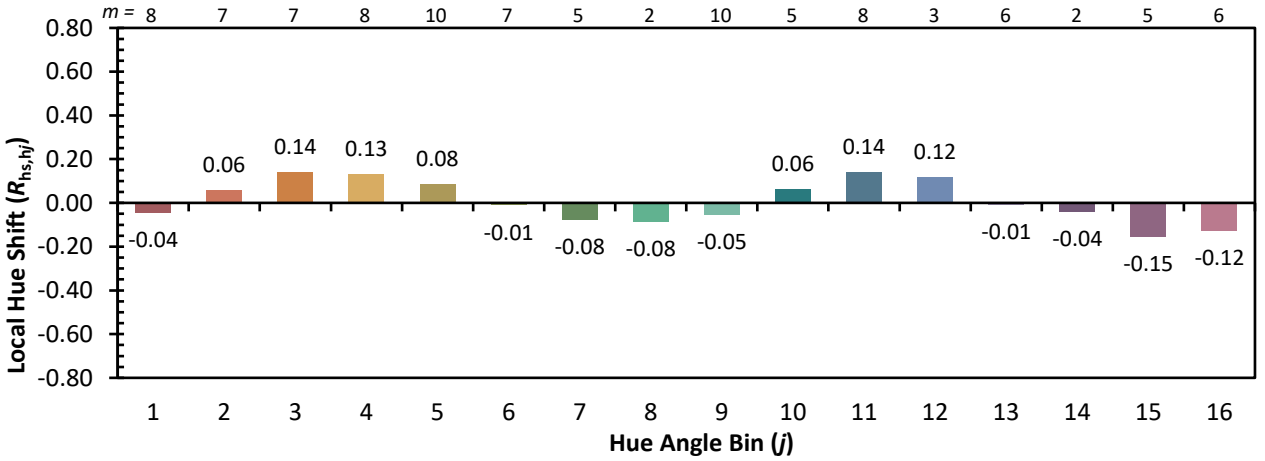


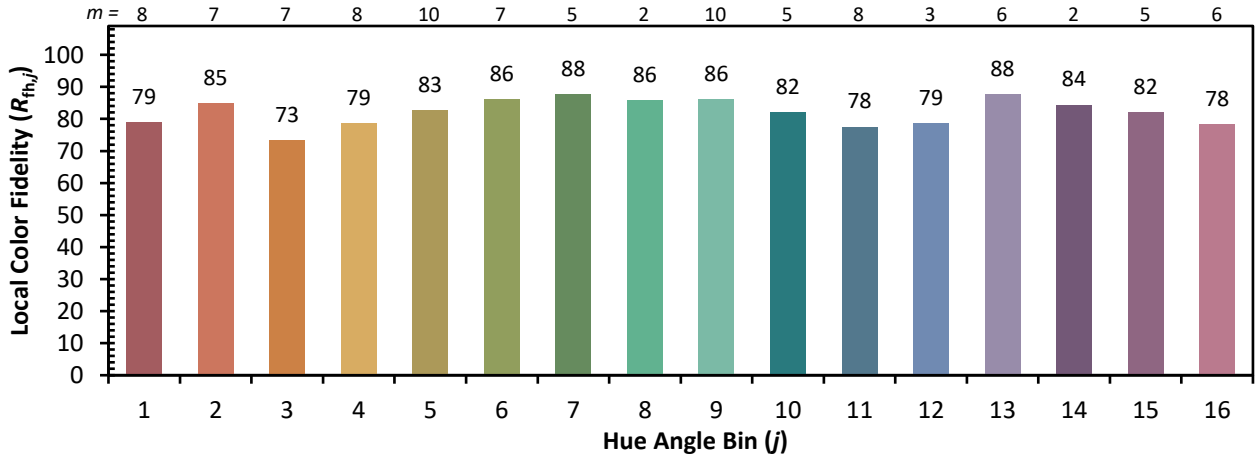
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Color Rendition by Hue-Angle Bin



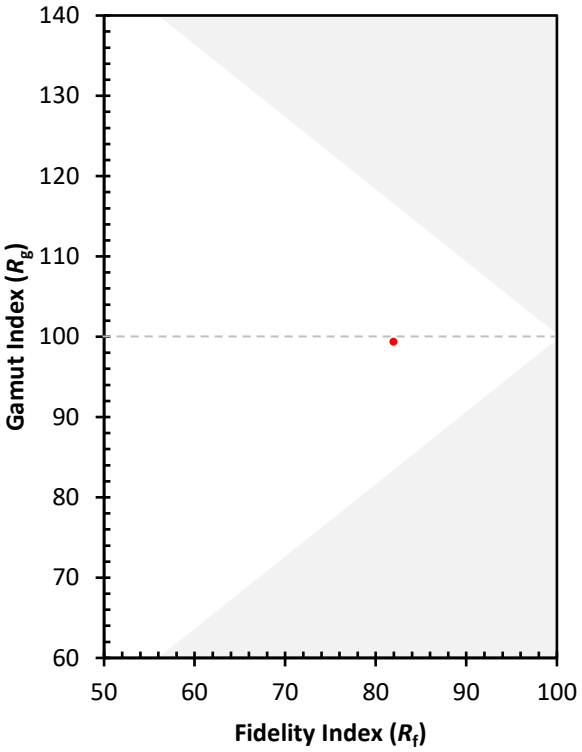


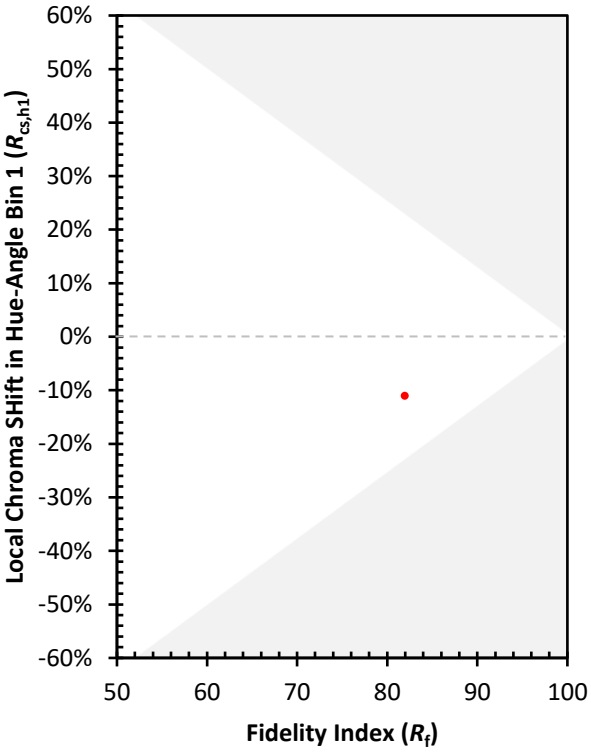


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Measure Comparisons





(END OF REPORT)