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: P1501541

Luminaire Tested: GSS-SB1A-835-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:	P1501541
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3766.1 lumens
Efficiency:	N/A
Efficacy:	121.5 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

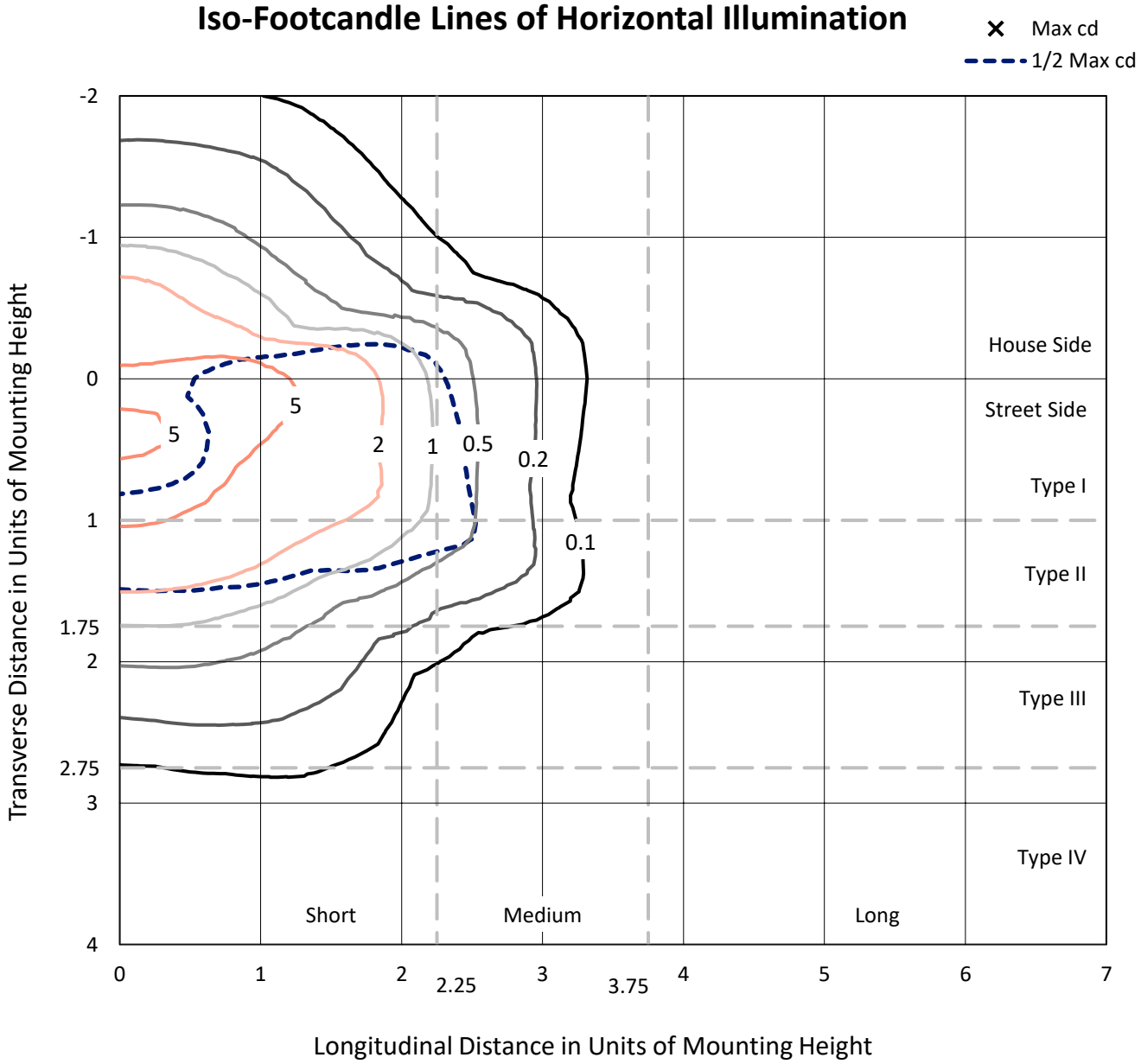
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



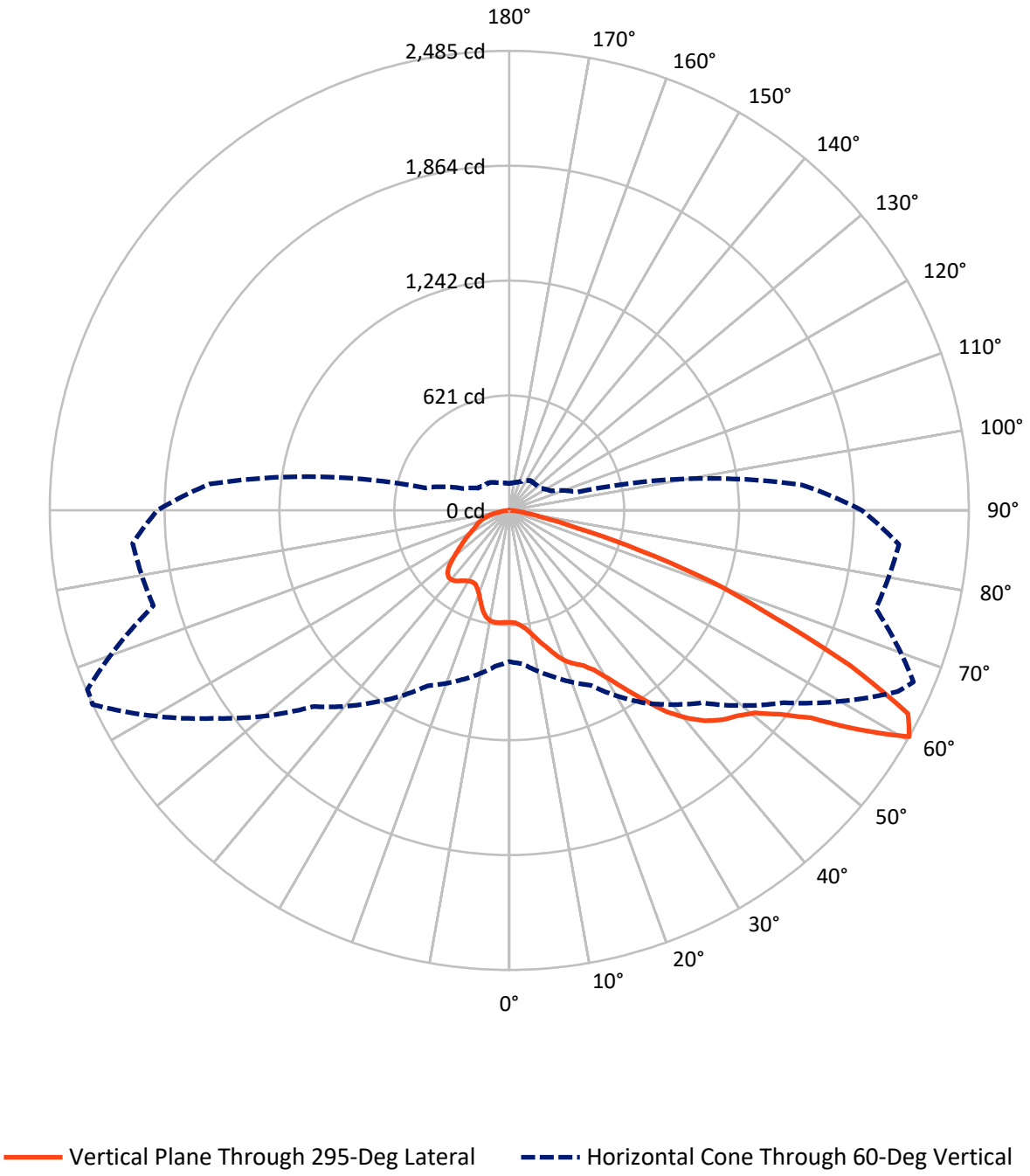
Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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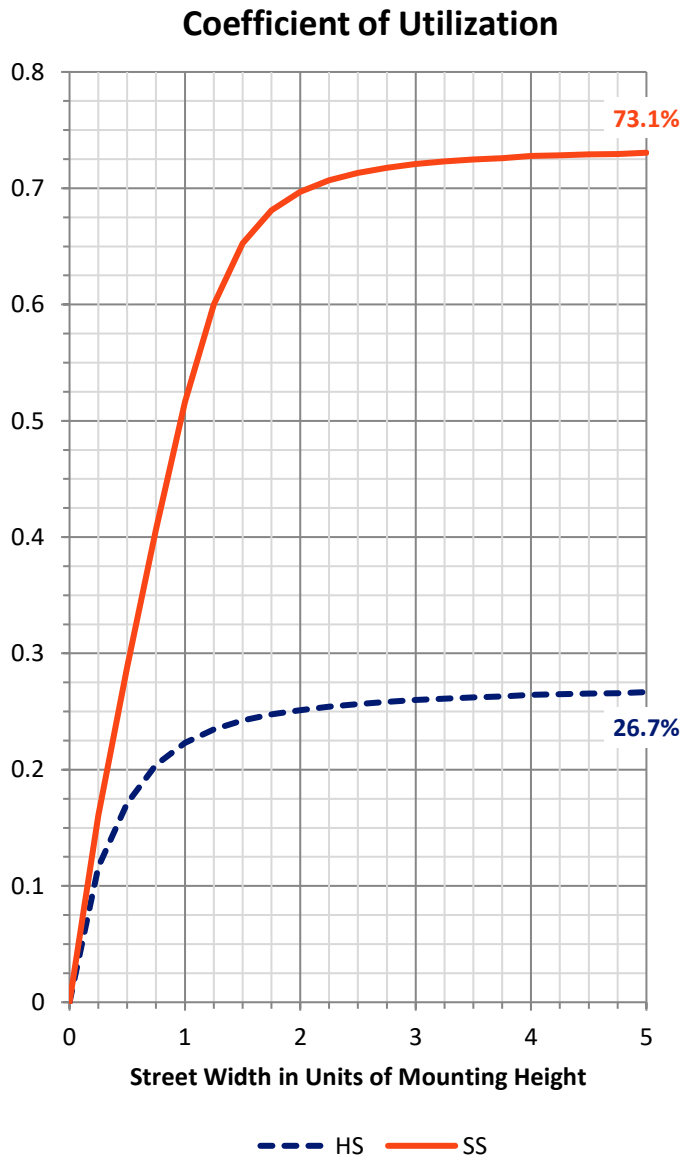
REPORT NUMBER: P1501541
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.7	0.0	1012.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2753.4	0.0	2753.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	3766.1	0.0	3766.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	1.5
10°-20°	163.8	4.3
20°-30°	310.2	8.2
30°-40°	546.9	14.5
40°-50°	808.8	21.5
50°-60°	949.8	25.2
60°-70°	688.2	18.3
70°-80°	212.2	5.6
80°-90°	29.2	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°	3766.1	100.0
0°-180°	3766.1	100.0



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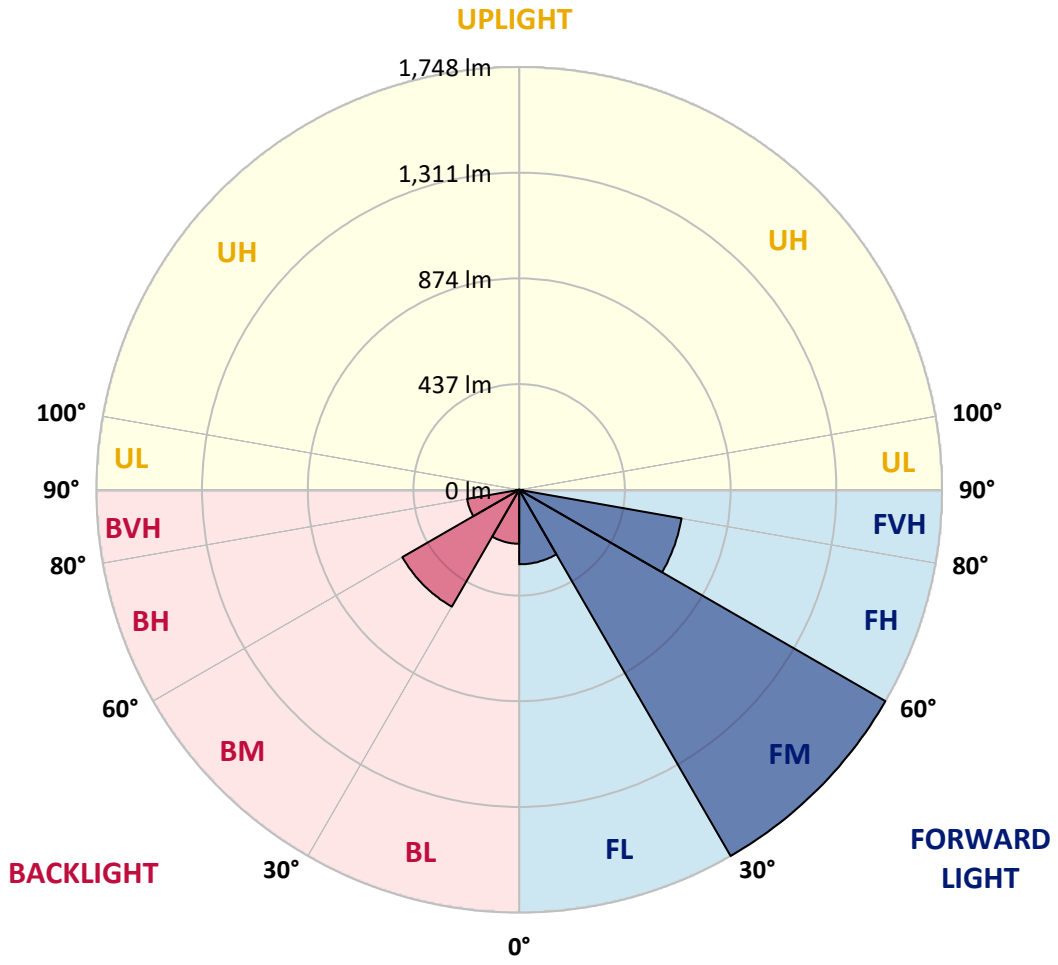
Scaled Data Report

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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°)	307.9	8.2			
FM	(30°-60°)	1747.9	46.4			
FH	(60°-80°)	681.8	18.1			G1/1800
FVH	(80°-90°)	15.8	0.4			G1/100
BL	(0°-30°)	223.0	5.9	B1/500		
BM	(30°-60°)	557.7	14.8	B1/1000		
BH	(60°-80°)	218.6	5.8	B1/500		G1/500
BVH	(80°-90°)	13.5	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°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	618.0	619.7	617.1	618.8	618.8	616.2	615.4	612.0	613.7	612.8	612.0
5°	632.6	633.4	631.7	634.3	634.3	635.1	634.3	630.0	630.0	630.0	628.3
7.5°	628.3	628.3	629.1	637.7	646.3	657.4	657.4	655.7	657.4	656.6	648.9
10°	592.2	595.7	603.4	624.8	645.4	669.5	685.8	690.9	690.9	691.8	678.9
12.5°	527.8	530.4	548.4	581.1	624.0	667.7	707.2	733.0	735.6	739.8	722.7
15°	470.3	472.1	484.9	518.4	567.3	644.6	719.2	772.5	781.0	799.1	773.3
17.5°	475.5	474.6	478.1	490.9	526.1	606.8	716.7	818.8	834.3	866.0	843.7
20°	506.4	506.4	509.0	511.5	524.4	579.3	697.8	856.6	886.6	948.4	922.7
22.5°	555.3	555.3	554.5	558.7	558.7	591.4	698.6	884.9	929.5	1040.2	1015.4
25°	623.1	619.7	619.7	621.4	613.7	636.8	720.1	914.1	972.4	1149.2	1127.8
27.5°	699.5	702.1	700.4	694.4	684.1	702.1	771.6	959.6	1020.5	1264.3	1255.7
30°	782.8	783.6	785.3	781.9	773.3	786.2	852.3	1028.2	1084.0	1384.4	1403.3
32.5°	864.3	876.3	872.0	863.4	866.9	890.0	951.8	1120.9	1178.4	1496.0	1562.9
35°	968.1	972.4	989.6	957.8	958.7	998.2	1078.9	1242.8	1298.6	1611.9	1722.6
37.5°	1119.2	1126.9	1119.2	1069.4	1061.7	1116.6	1202.5	1363.0	1403.3	1699.4	1871.1
40°	1267.7	1277.1	1290.0	1231.6	1182.7	1228.2	1319.2	1454.8	1496.9	1747.5	1969.8
42.5°	1390.4	1405.9	1392.1	1375.0	1330.3	1338.9	1400.7	1526.0	1568.1	1808.4	2069.3
45°	1494.3	1496.9	1502.9	1490.8	1468.5	1460.8	1470.2	1588.7	1635.0	1835.9	2118.2
47.5°	1537.2	1548.3	1553.5	1574.1	1597.3	1581.8	1529.5	1617.9	1659.9	1834.2	2133.7
50°	1514.0	1525.2	1552.6	1601.6	1657.3	1684.8	1599.0	1658.2	1705.4	1865.1	2165.5
52.5°	1453.1	1465.1	1509.7	1565.5	1659.1	1721.7	1696.8	1742.3	1787.8	1920.0	2218.7
55°	1305.5	1323.5	1386.1	1478.8	1607.6	1702.0	1799.8	1865.9	1915.7	1986.1	2273.6
57.5°	1090.9	1109.8	1180.1	1319.2	1512.3	1620.4	1829.9	2097.7	2120.0	2065.0	2278.7
60°	*817.1*	*832.5*	*932.1*	*1043.7*	*1270.3*	*1471.1*	*1812.7*	*2317.4*	*2374.0*	*2051.3*	*2114.8*
62.5°	647.1	666.0	754.4	805.9	968.1	1215.3	1752.6	2378.3	2427.2	1938.0	1886.5
65°	505.5	518.4	600.8	674.6	714.1	830.0	1502.0	2080.5	2124.3	1753.5	1556.9
67.5°	333.9	353.6	451.5	552.7	573.3	527.8	1033.4	1600.7	1621.3	1393.9	1170.7
70°	239.5	248.9	321.9	430.0	460.9	353.6	563.0	1211.9	1217.9	935.5	788.8
72.5°	163.1	164.8	218.9	329.6	367.3	256.6	309.8	798.2	777.6	461.8	451.5
75°	110.7	112.4	139.9	219.7	260.1	178.5	201.7	435.2	418.0	254.9	273.8
77.5°	74.7	76.4	96.1	147.6	173.4	123.6	147.6	230.0	225.7	169.1	146.8
80°	56.6	59.2	71.2	94.4	121.0	72.1	84.1	109.0	110.7	90.1	74.7
82.5°	31.8	35.2	42.9	48.1	78.1	40.3	40.3	65.2	62.7	55.8	40.3
85°	13.7	14.6	17.2	18.0	31.8	17.2	14.6	28.3	29.2	27.5	12.9
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.4
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°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	607.7	612.8	607.7	605.1	605.1	600.8	599.1	599.1	593.1	595.7	593.9
5°	621.4	623.1	617.1	609.4	599.1	590.5	578.5	563.0	553.6	552.7	553.6
7.5°	642.9	643.7	627.4	610.2	584.5	553.6	516.7	486.6	460.0	455.7	460.9
10°	672.9	671.2	647.1	606.8	552.7	487.5	430.9	403.4	387.9	387.1	386.2
12.5°	713.2	702.1	665.2	592.2	497.8	422.3	393.1	391.4	395.7	399.1	400.0
15°	759.6	745.0	679.8	563.9	442.0	398.2	400.0	414.6	419.7	423.1	423.1
17.5°	817.1	798.2	696.1	523.6	413.7	403.4	415.4	429.1	437.7	441.2	440.3
20°	893.5	854.0	708.9	484.9	406.0	412.0	422.3	436.0	444.6	448.9	448.9
22.5°	969.9	920.9	711.5	458.3	406.0	412.8	422.3	436.0	445.5	449.7	448.9
25°	1073.7	1006.8	712.4	439.4	406.8	408.5	417.1	429.1	442.9	447.2	448.9
27.5°	1184.4	1101.2	716.7	435.2	403.4	402.5	408.5	419.7	433.4	444.6	445.5
30°	1321.8	1207.6	718.4	439.4	404.3	393.1	397.4	408.5	423.1	434.3	437.7
32.5°	1456.5	1306.3	715.0	448.9	406.0	387.1	387.9	394.8	410.3	418.0	424.0
35°	1599.0	1411.0	708.9	461.8	406.8	384.5	376.8	380.2	390.5	391.4	394.0
37.5°	1710.6	1489.1	690.9	478.9	408.5	375.1	359.6	357.0	352.8	344.2	345.9
40°	1802.4	1541.5	660.9	487.5	404.3	363.9	338.2	326.1	309.8	297.0	299.5
42.5°	1868.5	1576.7	624.8	489.2	397.4	345.0	313.3	292.7	274.7	260.9	261.8
45°	1897.7	1573.2	586.2	476.3	381.1	321.9	290.1	270.4	250.6	236.0	234.3
47.5°	1898.5	1539.8	533.0	445.5	353.6	295.3	268.6	247.2	230.9	220.6	219.7
50°	1905.4	1520.9	483.2	400.8	317.6	266.9	249.8	228.3	218.9	204.3	200.0
52.5°	1948.3	1551.8	448.9	351.9	284.1	246.3	233.5	214.6	199.1	189.7	188.8
55°	2017.8	1605.0	430.0	315.0	252.3	226.6	218.0	201.7	188.0	178.5	175.9
57.5°	2026.4	1632.5	407.7	280.7	226.6	211.1	207.7	189.7	169.9	163.1	160.5
60°	*1906.3*	*1586.1*	*380.2*	*248.9*	*207.7*	*199.1*	*197.4*	*173.4*	*157.1*	*148.5*	*145.1*
62.5°	1742.3	1470.2	338.2	219.7	193.1	187.1	180.2	161.4	140.8	131.3	128.7
65°	1423.9	1235.9	287.5	200.0	178.5	171.7	169.9	144.2	130.5	125.3	124.5
67.5°	1078.9	993.0	253.2	185.4	163.1	160.5	154.5	145.9	139.9	133.9	132.2
70°	763.0	716.7	215.4	166.5	147.6	143.3	168.2	158.8	137.3	129.6	128.7
72.5°	462.6	449.7	186.2	149.3	127.0	133.9	155.3	143.3	123.6	114.2	110.7
75°	291.8	266.9	156.2	127.0	101.3	109.0	135.6	127.9	106.4	97.0	94.4
77.5°	158.8	147.6	117.6	103.9	79.8	88.4	118.4	105.6	85.0	92.7	82.4
80°	69.5	77.2	78.1	60.1	53.2	65.2	85.0	82.4	65.2	66.1	54.9
82.5°	33.5	43.8	50.6	41.2	30.0	38.6	56.6	47.2	43.8	41.2	39.5
85°	10.3	16.3	22.3	19.7	13.7	16.3	26.6	25.7	30.9	26.6	24.9
87.5°	3.4	3.4	2.6	2.6	2.6	3.4	4.3	2.6	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°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	593.1	593.9	593.9	594.8	594.8	597.4	600.8	604.2	601.7	605.1	605.9
5°	551.9	556.2	559.6	572.5	582.8	591.4	600.8	609.4	612.0	613.7	618.0
7.5°	454.9	466.9	489.2	518.4	551.0	582.8	604.2	626.5	630.0	634.3	640.3
10°	387.1	392.2	407.7	437.7	496.1	558.7	611.1	646.3	660.9	669.5	675.5
12.5°	398.2	394.8	392.2	396.5	434.3	515.0	606.8	674.6	702.1	711.5	719.2
15°	424.9	421.4	412.0	400.0	404.3	468.6	592.2	701.2	745.0	760.4	776.7
17.5°	440.3	436.9	429.1	416.3	405.1	430.0	564.8	725.3	812.8	831.7	854.9
20°	448.9	445.5	437.7	424.9	412.0	415.4	529.6	755.3	890.0	920.1	954.4
22.5°	450.6	446.3	437.7	424.9	417.1	414.6	496.1	773.3	973.3	1019.6	1059.1
25°	449.7	442.0	430.9	421.4	417.1	416.3	472.9	783.6	1063.4	1137.2	1181.9
27.5°	443.7	434.3	423.1	416.3	414.6	419.7	462.6	795.6	1169.0	1263.4	1334.6
30°	436.9	423.1	409.4	406.8	411.1	427.4	471.2	799.9	1279.7	1400.7	1473.7
32.5°	418.8	408.5	394.8	394.0	404.3	433.4	490.9	793.9	1377.5	1538.0	1629.9
35°	393.1	387.1	379.4	381.9	398.2	438.6	504.7	775.0	1466.8	1665.9	1773.2
37.5°	347.6	351.9	356.2	362.2	382.8	437.7	510.7	745.0	1540.6	1768.1	1905.4
40°	297.0	311.6	325.3	340.7	368.2	430.9	512.4	708.1	1583.5	1845.3	2023.0
42.5°	265.2	278.9	296.1	318.4	348.5	415.4	510.7	666.9	1597.3	1898.5	2097.7
45°	236.0	252.3	273.8	297.0	331.3	393.1	495.2	622.3	1604.1	1923.4	2129.4
47.5°	220.6	230.0	249.8	272.9	309.0	365.6	465.2	589.6	1593.8	1928.6	2168.0
50°	202.6	215.4	228.3	250.6	285.8	331.3	429.1	570.8	1611.0	1979.2	2229.0
52.5°	188.8	195.7	209.4	230.0	255.8	299.5	394.8	555.3	1658.2	2030.7	2292.5
55°	178.5	186.2	194.8	212.0	231.7	267.8	359.6	532.1	1713.1	2085.6	2356.0
57.5°	162.2	167.4	179.4	197.4	210.3	236.9	318.4	504.7	1708.8	2042.7	2246.1
60°	*147.6*	*152.8*	*165.6*	*183.7*	*191.4*	*209.4*	*278.1*	*469.5*	*1626.5*	*1902.8*	*2043.6*
62.5°	131.3	137.3	152.8	165.6	172.5	186.2	236.0	405.1	1454.8	1692.5	1806.7
65°	124.5	127.9	138.2	153.6	152.8	165.6	199.1	318.4	1170.7	1293.4	1397.3
67.5°	132.2	137.3	135.6	139.9	137.3	144.2	178.5	255.8	920.1	974.2	1034.2
70°	130.5	142.5	148.5	139.9	120.2	127.9	154.5	204.3	658.3	653.2	650.6
72.5°	114.2	126.2	143.3	151.9	117.6	106.4	133.9	176.8	422.3	420.6	380.2
75°	97.0	105.6	126.2	137.3	101.3	85.8	115.0	150.2	252.3	255.8	228.3
77.5°	89.3	85.0	105.6	121.0	82.4	66.1	92.7	113.3	139.0	140.8	130.5
80°	64.4	61.8	79.0	88.4	62.7	47.2	52.4	70.4	74.7	66.9	69.5
82.5°	41.2	42.1	47.2	56.6	38.6	25.7	36.0	47.2	40.3	32.6	38.6
85°	26.6	30.0	24.9	29.2	12.0	12.0	15.4	20.6	13.7	9.4	10.3
87.5°	0.0	0.0	1.7	3.4	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: P1501541
CATALOG NUMBER: GSS-SB1A-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	605.9	605.9	*605.9*	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	608.5	607.7	*607.7*	609.4	613.7	615.4	618.0	617.1	619.7	618.0
5°	620.5	621.4	*624.0*	624.8	627.4	630.8	631.7	630.8	632.6	632.6
7.5°	644.6	648.0	*646.3*	650.6	647.1	642.9	636.0	630.8	626.5	628.3
10°	684.9	683.2	*682.3*	674.6	659.2	636.8	618.8	599.1	595.7	592.2
12.5°	729.5	727.8	*727.8*	701.2	657.4	611.1	569.9	539.0	528.7	527.8
15°	792.2	781.0	*770.7*	715.0	627.4	548.4	500.4	476.3	470.3	470.3
17.5°	870.3	841.1	*824.0*	704.7	578.5	507.2	478.9	472.9	471.2	475.5
20°	967.3	893.5	*868.6*	681.5	560.5	512.4	498.7	499.5	500.4	506.4
22.5°	1073.7	941.5	*900.3*	681.5	578.5	545.0	538.1	547.6	550.2	555.3
25°	1192.2	984.5	*928.7*	717.5	631.7	606.8	598.2	607.7	614.5	623.1
27.5°	1325.2	1029.1	*977.6*	782.8	700.4	684.9	675.5	679.8	689.2	699.5
30°	1444.5	1103.8	*1052.3*	882.3	793.9	775.0	758.7	765.6	775.9	782.8
32.5°	1550.1	1194.7	*1151.0*	987.0	901.2	868.6	850.6	848.8	869.4	864.3
35°	1647.1	1302.0	*1260.0*	1106.3	1010.2	969.9	945.8	976.7	963.0	968.1
37.5°	1723.4	1413.6	*1380.1*	1220.5	1123.5	1068.6	1054.0	1091.7	1113.2	1119.2
40°	1786.1	1510.6	*1475.4*	1333.8	1227.3	1187.0	1210.2	1272.8	1270.3	1267.7
42.5°	1834.2	1593.8	*1555.2*	1419.6	1326.9	1334.6	1352.7	1394.7	1405.0	1390.4
45°	1855.6	1646.2	*1615.3*	1487.4	1440.2	1484.8	1492.6	1510.6	1503.7	1494.3
47.5°	1880.5	1692.5	*1659.9*	1549.2	1562.9	1606.7	1591.3	1576.7	1551.8	1537.2
50°	1922.6	1747.5	*1720.0*	1639.3	1689.1	1674.5	1614.4	1581.8	1531.2	1514.0
52.5°	2002.4	1851.3	*1830.7*	1781.8	1748.3	1664.2	1591.3	1532.9	1476.3	1453.1
55°	2073.6	1992.1	*1980.1*	1914.8	1730.3	1610.1	1512.3	1422.2	1325.2	1305.5
57.5°	2114.8	2225.5	*2239.3*	1971.5	1647.9	1487.4	1343.2	1199.0	1107.2	1090.9
60°	*1992.1*	*2477.9*	*2484.7*	*1960.3*	*1499.4*	*1266.0*	*1046.3*	*944.1*	*845.4*	*817.1*
62.5°	1823.0	2425.5	*2419.5*	1893.4	1193.9	923.5	794.8	746.7	670.3	647.1
65°	1567.2	2020.4	*2027.3*	1635.9	793.9	667.7	667.7	606.8	521.8	505.5
67.5°	1277.1	1557.8	*1542.3*	1060.8	487.5	534.7	560.5	472.9	353.6	333.9
70°	830.0	1189.6	*1168.1*	612.0	306.4	445.5	441.2	355.3	253.2	239.5
72.5°	357.0	687.5	*731.3*	312.4	230.9	358.8	351.9	248.9	169.1	163.1
75°	215.4	345.9	*376.8*	199.1	168.2	270.4	243.8	157.9	115.0	110.7
77.5°	136.5	189.7	*188.0*	149.3	126.2	182.8	163.9	109.0	78.1	74.7
80°	79.0	93.6	*97.0*	93.6	85.0	130.5	104.7	79.0	60.9	56.6
82.5°	50.6	58.4	*59.2*	45.5	47.2	84.1	56.6	46.3	35.2	31.8
85°	22.3	24.9	*24.0*	15.4	15.4	34.3	19.7	18.9	13.7	13.7
87.5°	0.9	1.7	*0.9*	0.9	0.9	3.4	1.7	2.6	2.6	2.6
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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

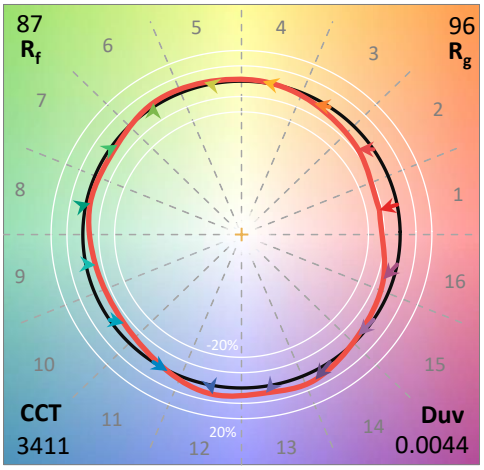
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

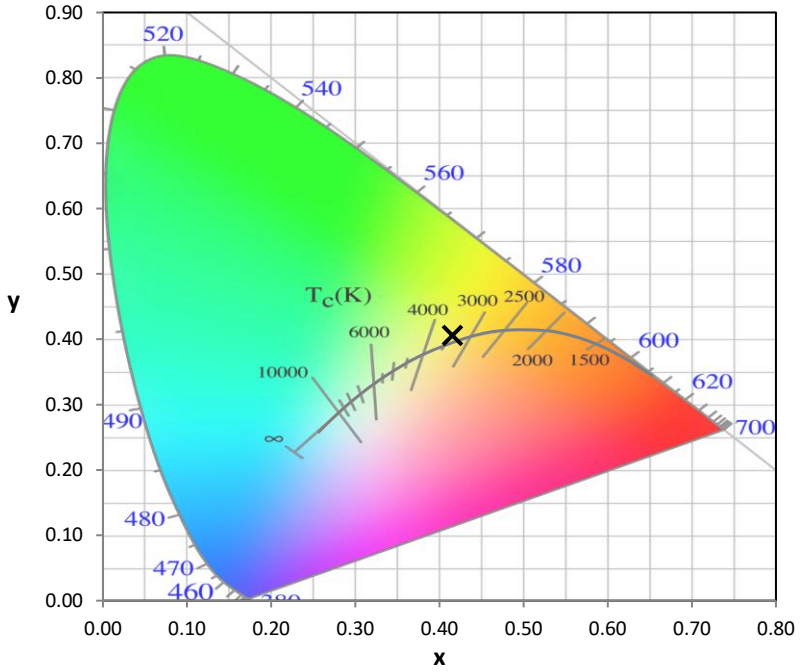
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

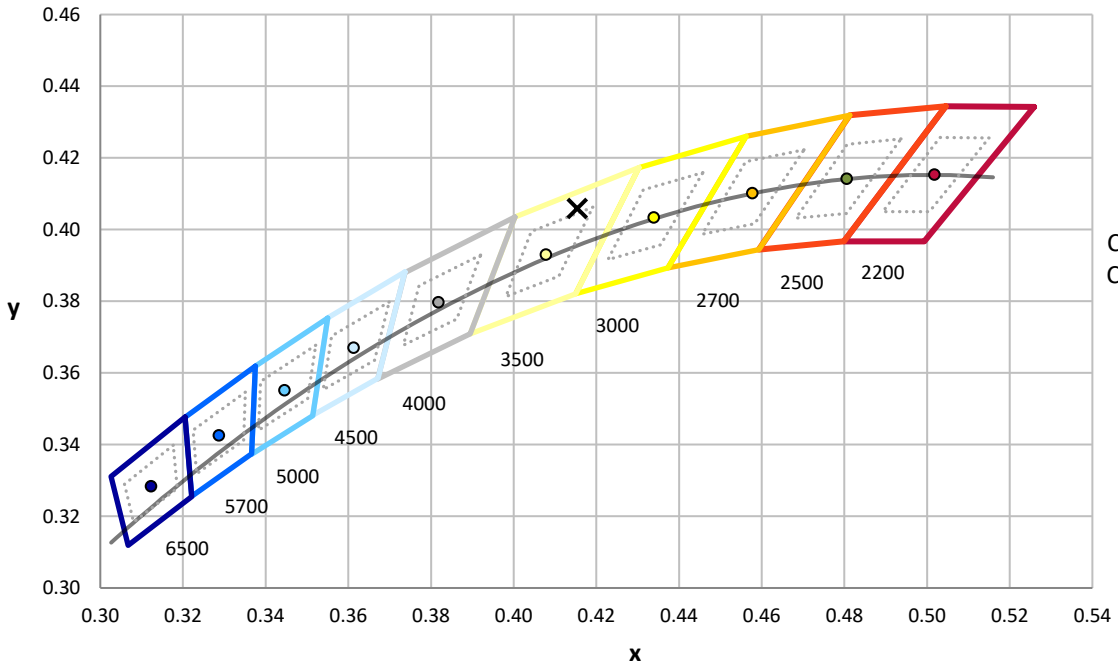
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

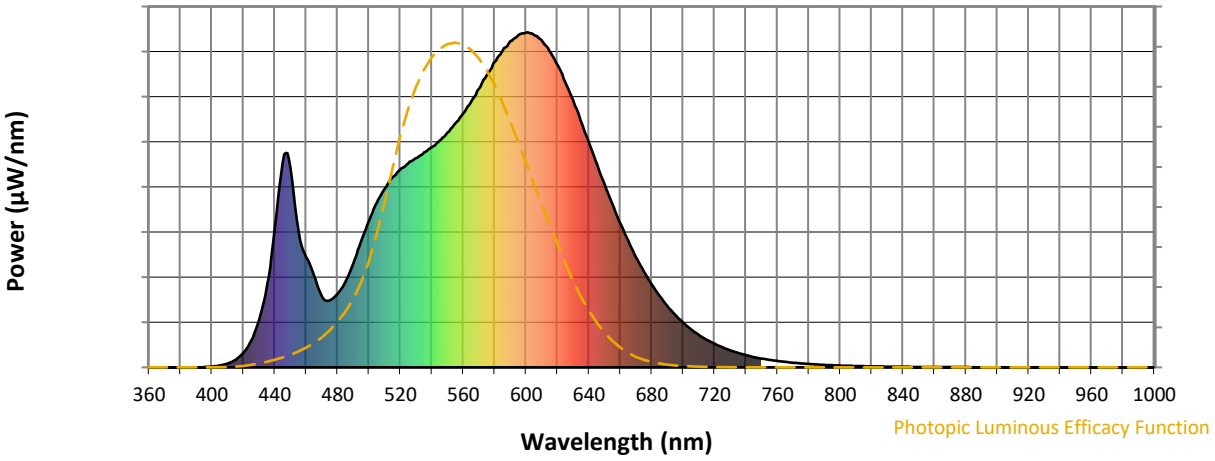


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

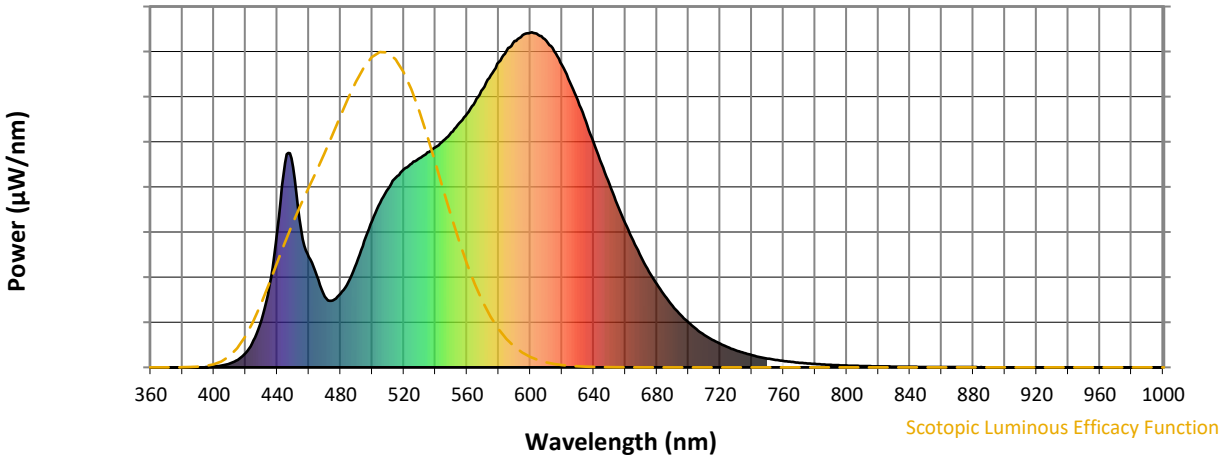


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

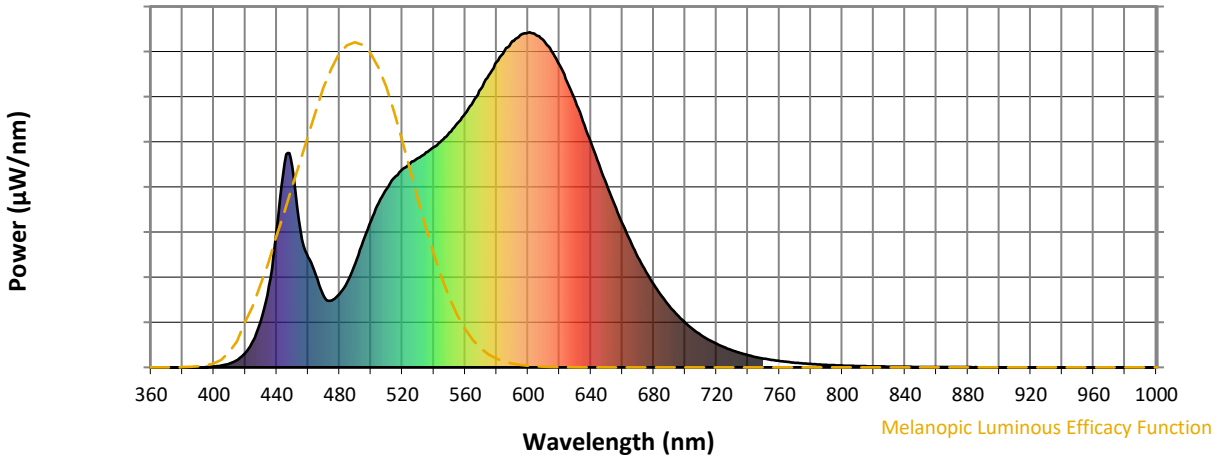


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

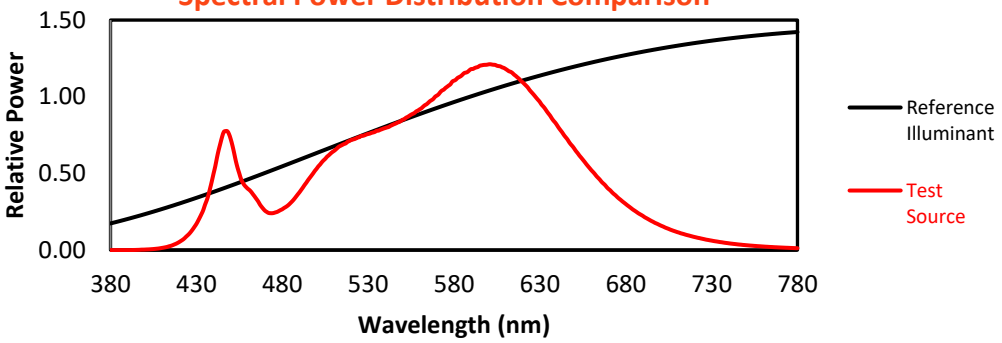
REPORT NUMBER: SP1-2407-184-10

TM-30-18

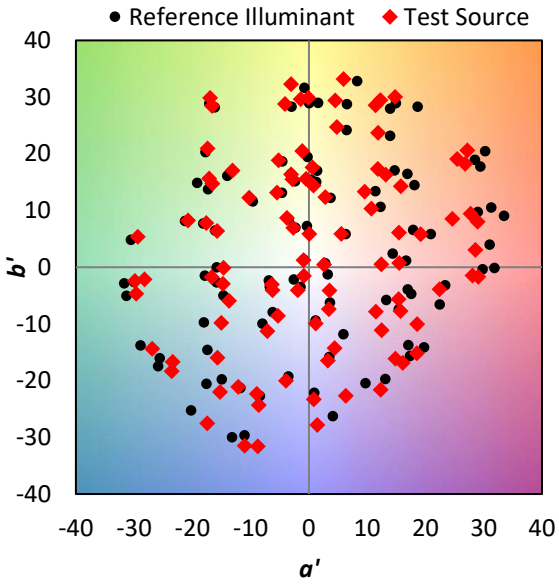
Summary

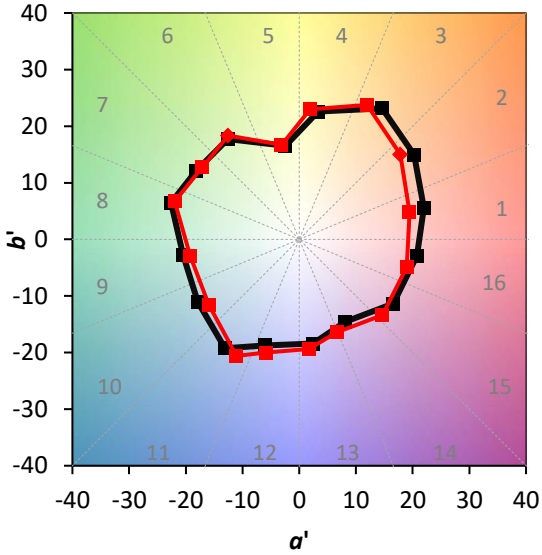
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

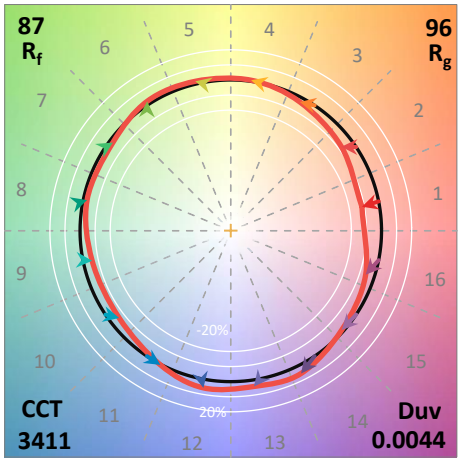
Spectral Power Distribution Comparison

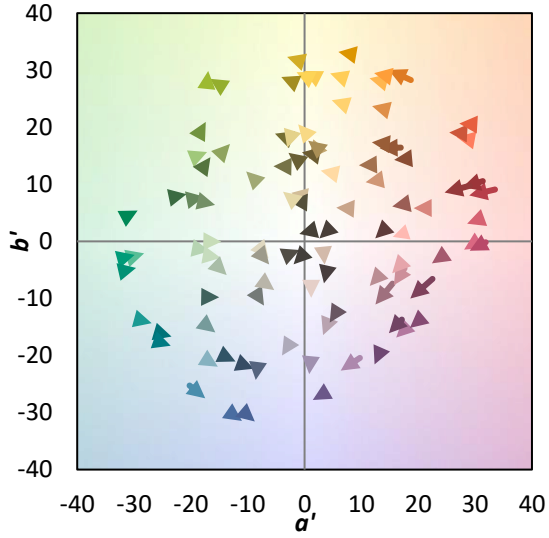


Color Vector Graphics







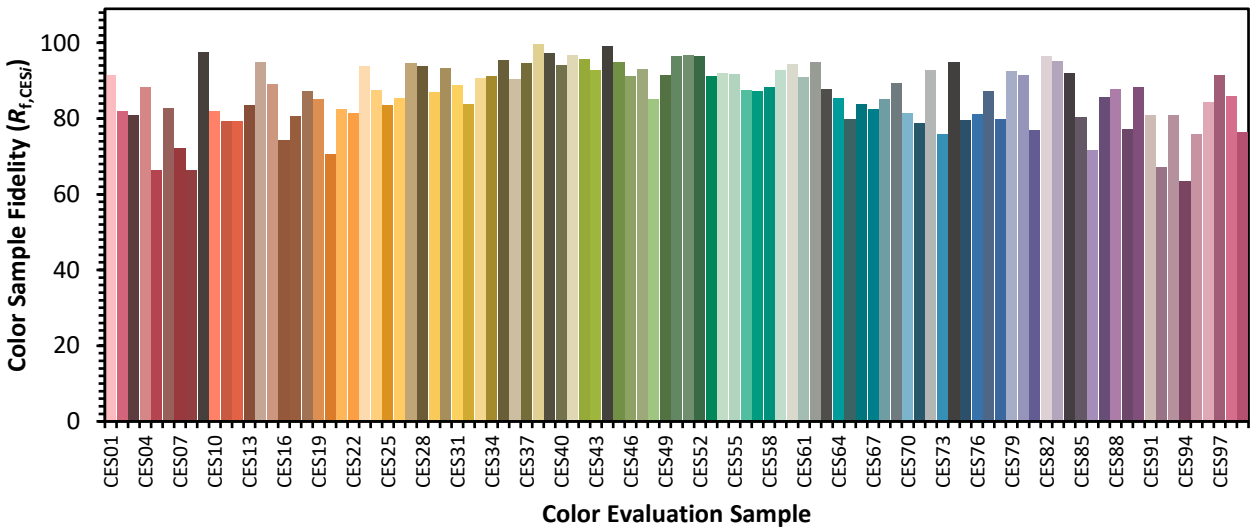


REPORT NUMBER: SP1-2407-184-10

TM-30-18

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

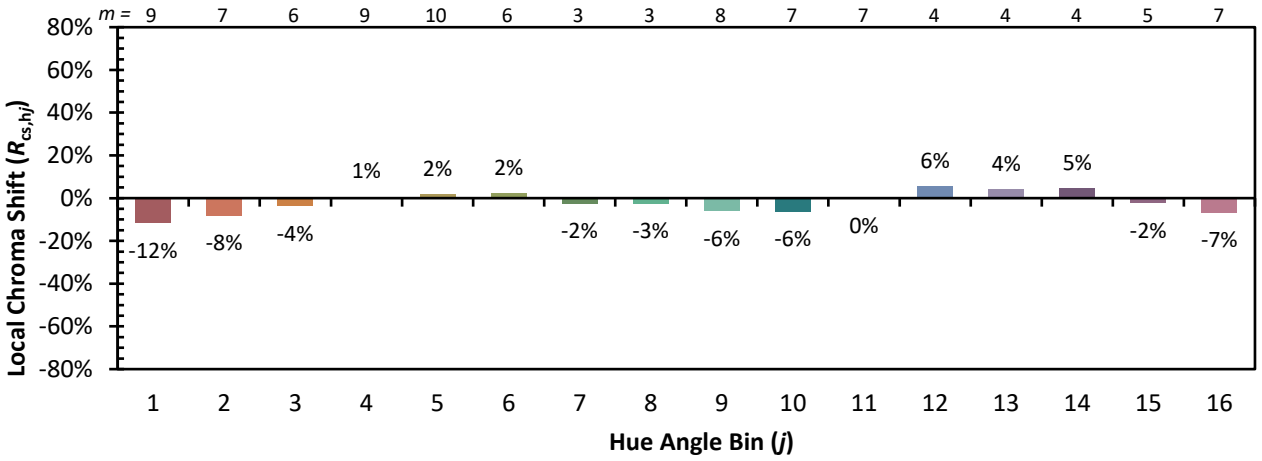
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

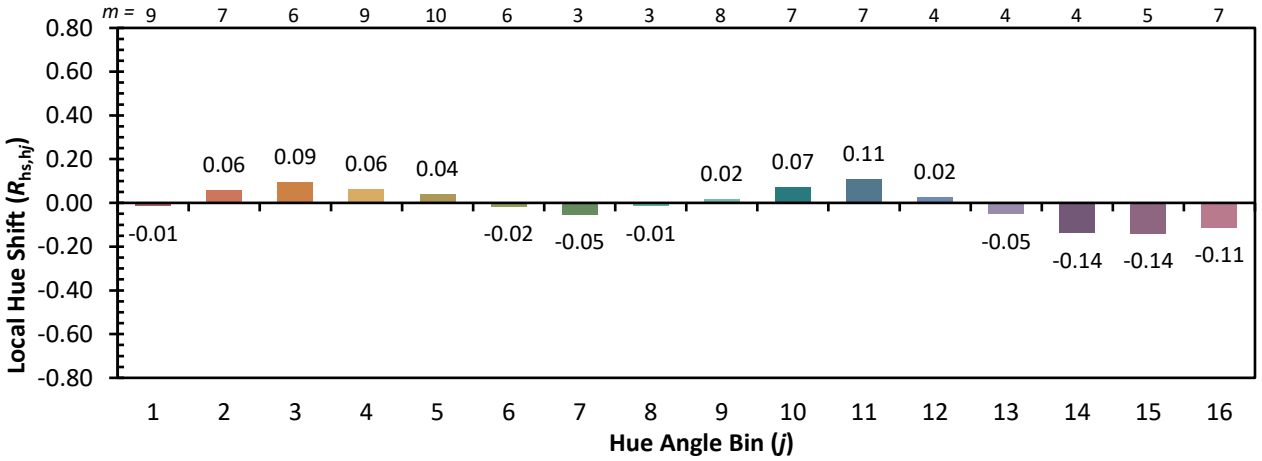


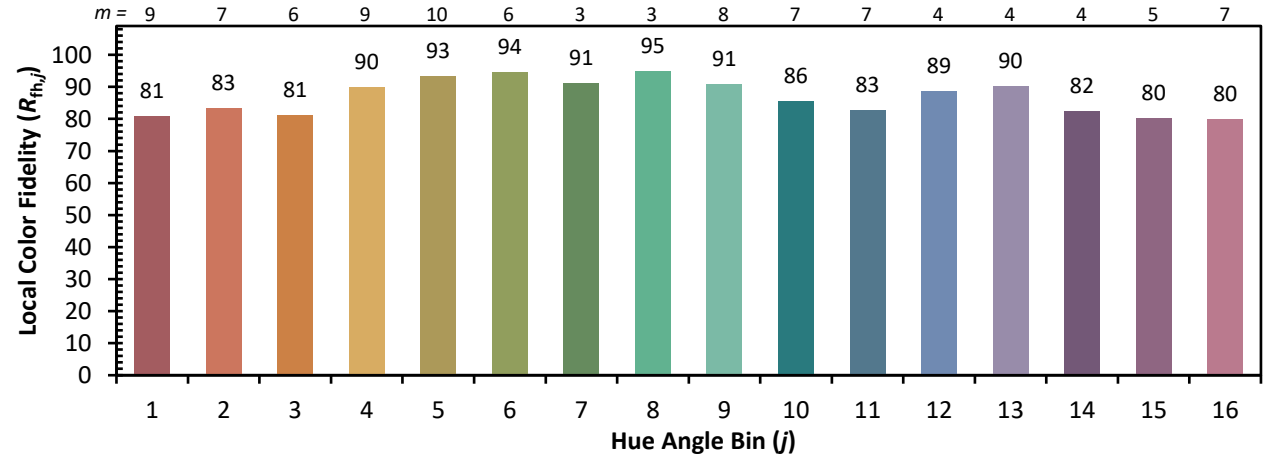
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Color Rendition by Hue-Angle Bin



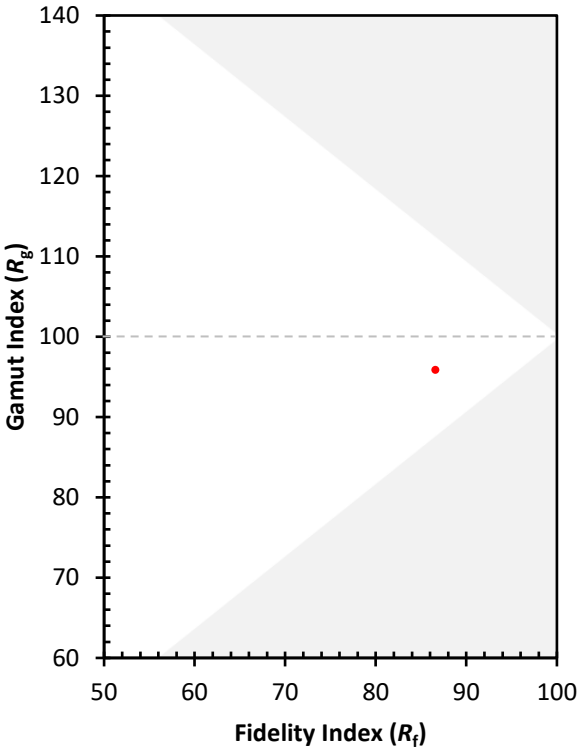


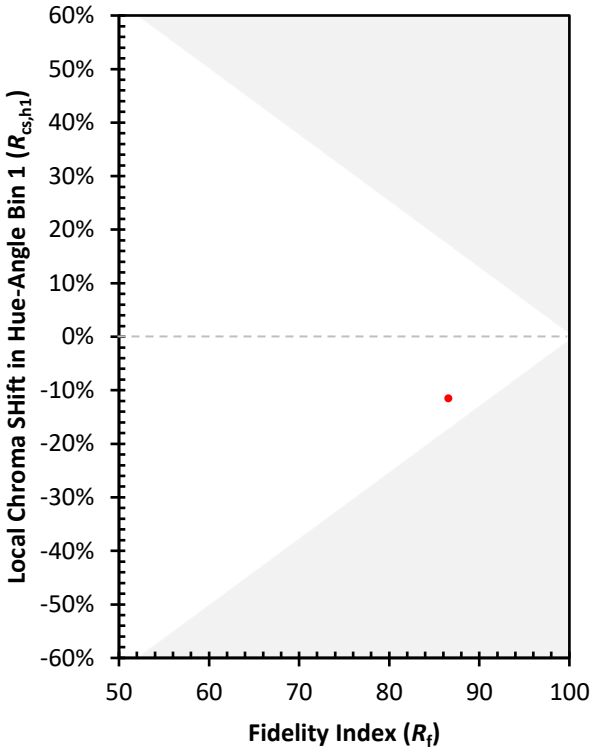


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Measure Comparisons





(END OF REPORT)