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: P1501739

Luminaire Tested: GSS-SB2C-722-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501739
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9259.1 lumens
Efficiency:	N/A
Efficacy:	90.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

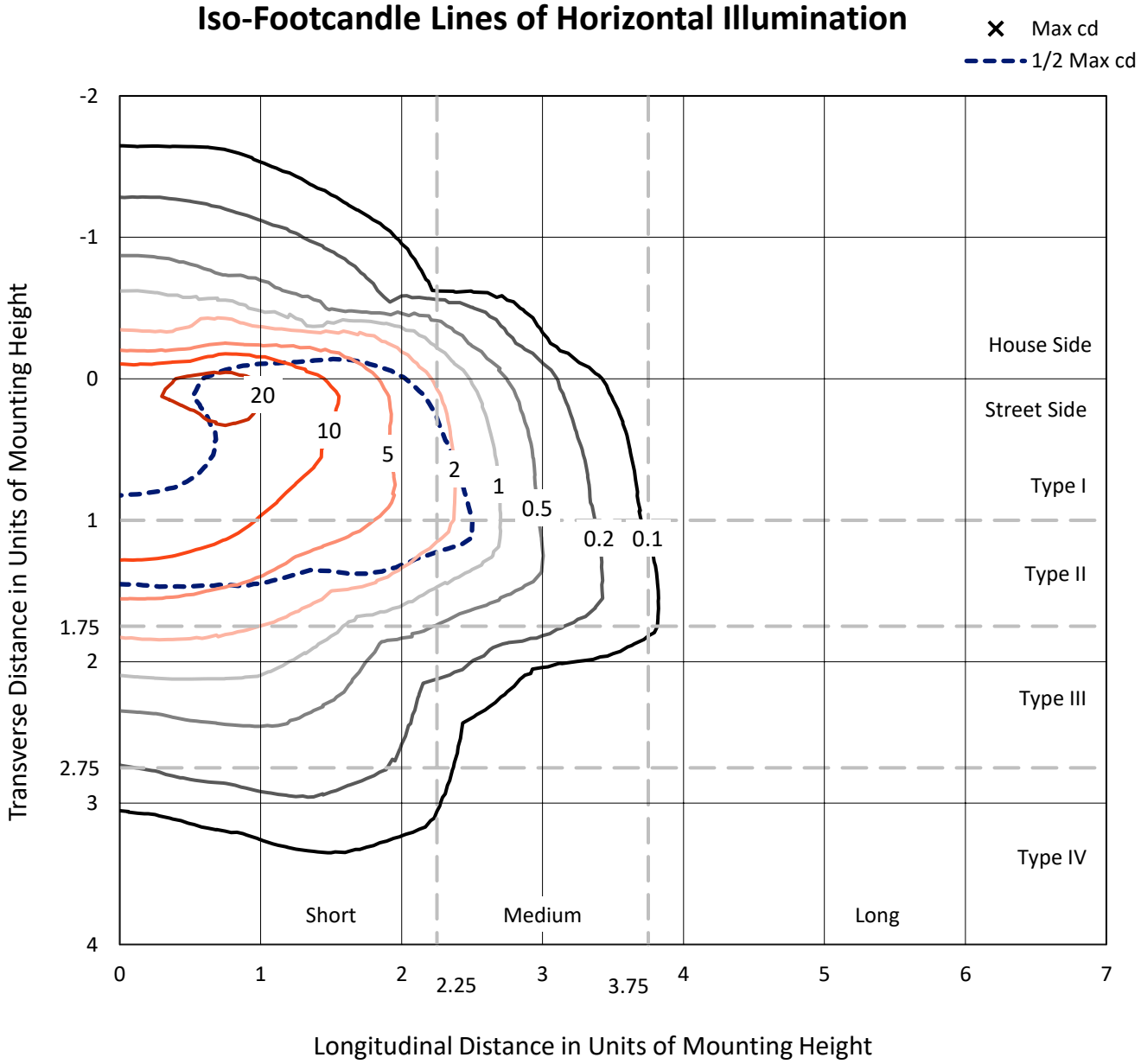
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



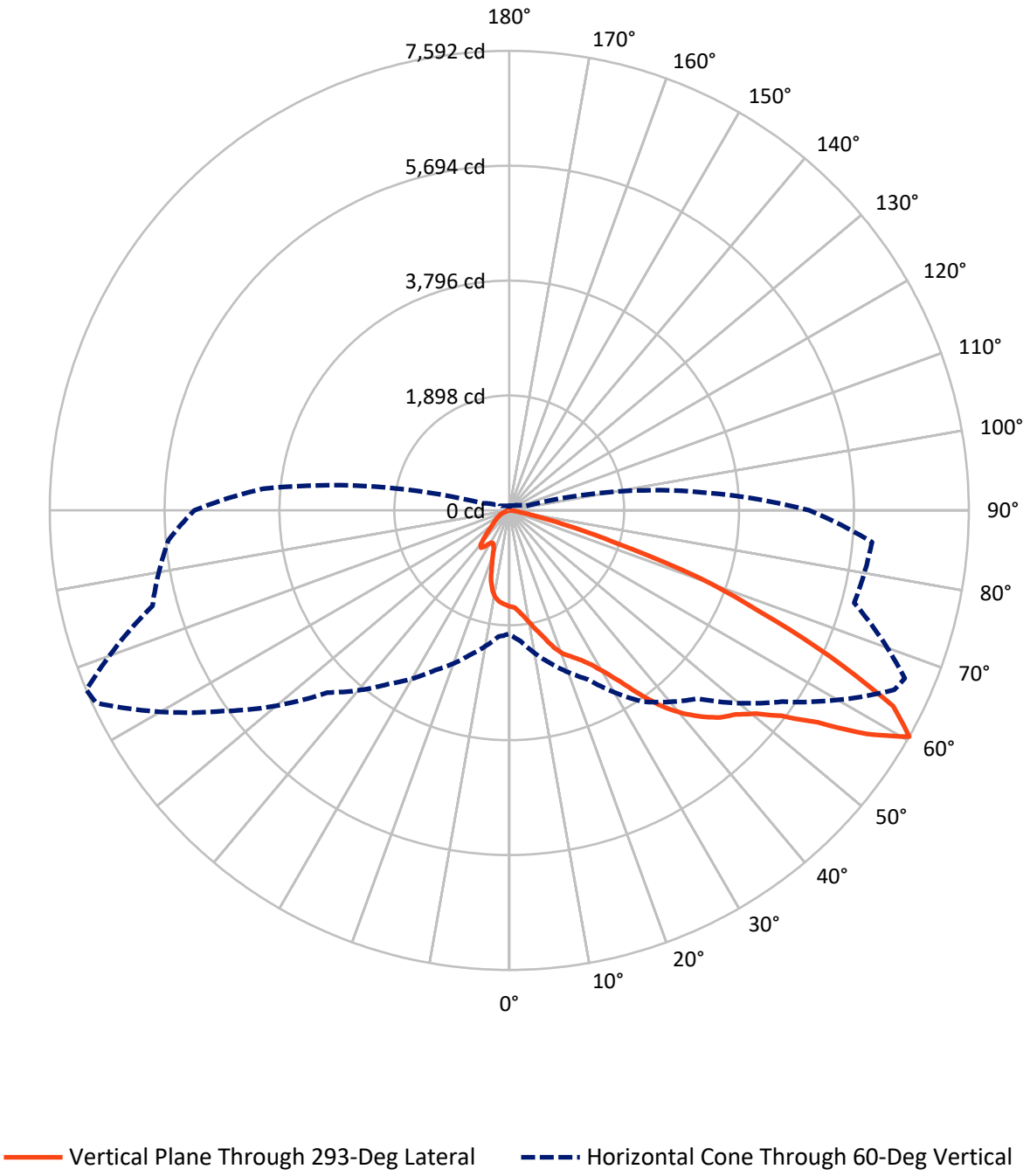
Based on 10 foot mounting height. Maximum calculated value = 26.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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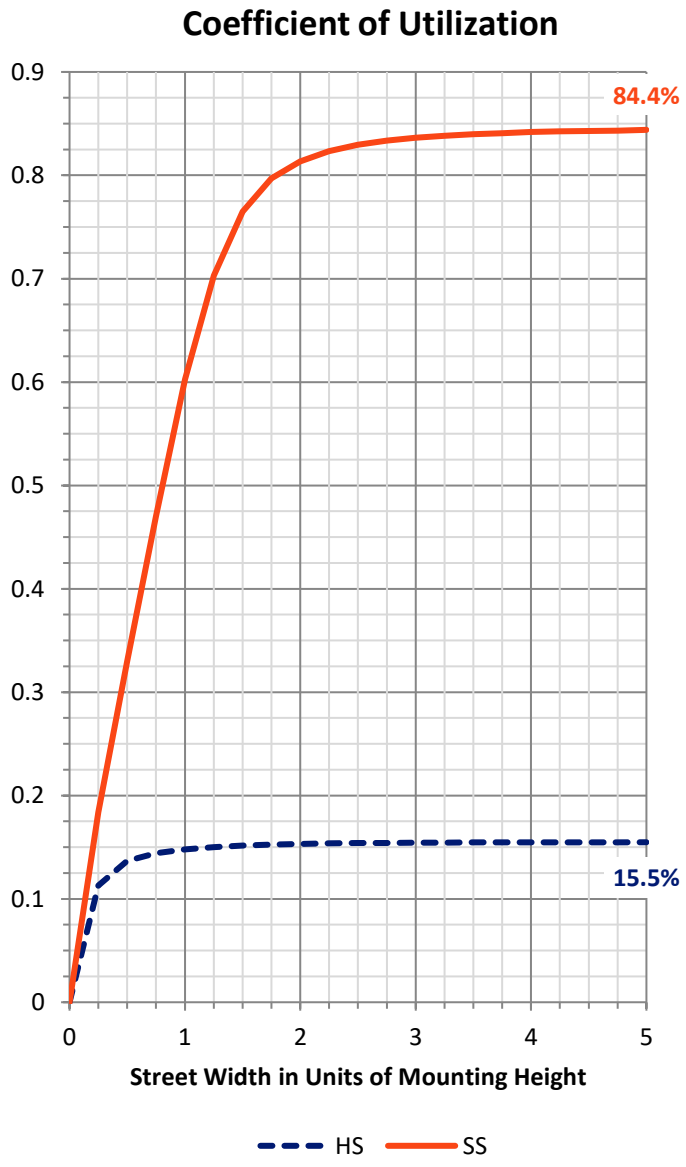
REPORT NUMBER: P1501739
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.6	0.0	1444.6
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	7814.5	0.0	7814.5
	% Fixture	84.4	0.0	84.4
Total	Lumens	9259.1	0.0	9259.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	1.6
10°-20°	361.9	3.9
20°-30°	675.6	7.3
30°-40°	1339.8	14.5
40°-50°	2136.1	23.1
50°-60°	2552.1	27.6
60°-70°	1673.0	18.1
70°-80°	350.5	3.8
80°-90°	26.5	0.3
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°	9259.1	100.0
0°-180°	9259.1	100.0



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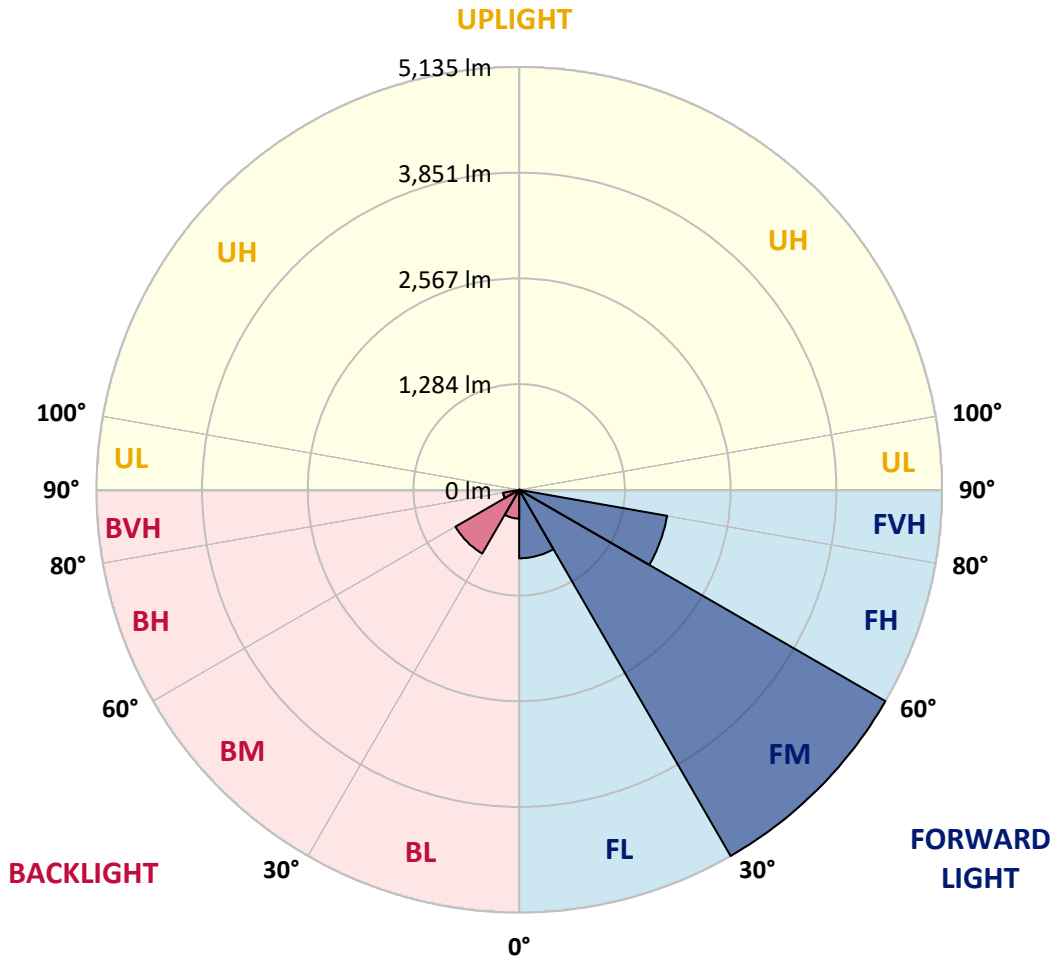
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	831.7	9.0			
FM	(30°-60°)	5134.5	55.5			
FH	(60°-80°)	1824.0	19.7			G2/5000
FVH	(80°-90°)	24.3	0.3			G1/100
BL	(0°-30°)	349.5	3.8	B1/500		
BM	(30°-60°)	893.4	9.6	B1/1000		
BH	(60°-80°)	199.6	2.2	B1/500		G1/500
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9
2.5°	1667.3	1662.1	1654.3	1656.9	1654.3	1644.0	1628.4	1615.4	1625.8	1610.3	1599.9
5°	1716.6	1716.6	1711.4	1711.4	1714.0	1708.8	1698.4	1680.3	1682.9	1669.9	1636.2
7.5°	1716.6	1708.8	1721.8	1734.7	1758.1	1771.0	1776.2	1765.8	1771.0	1745.1	1701.0
10°	1615.4	1610.3	1644.0	1693.2	1760.6	1820.3	1859.2	1861.8	1869.6	1843.6	1791.8
12.5°	1400.2	1389.8	1457.3	1550.6	1688.0	1825.5	1934.4	1975.9	1994.0	1983.6	1911.0
15°	1200.6	1213.5	1260.2	1361.3	1545.4	1755.5	1975.9	2113.3	2139.2	2152.2	2066.6
17.5°	1179.8	1182.4	1198.0	1247.2	1387.3	1641.4	1981.1	2255.9	2292.2	2349.3	2232.6
20°	1236.9	1231.7	1247.2	1262.8	1330.2	1540.2	1931.8	2393.3	2463.4	2585.2	2458.2
22.5°	1343.2	1343.2	1351.0	1361.3	1395.0	1532.5	1911.0	2520.4	2639.7	2888.6	2740.8
25°	1522.1	1501.3	1506.5	1493.6	1522.1	1625.8	1957.7	2621.5	2784.9	3225.7	3077.9
27.5°	1799.5	1807.3	1760.6	1690.6	1706.2	1794.4	2071.8	2735.6	2935.3	3575.7	3420.2
30°	2183.3	2170.3	2141.8	2004.4	1942.2	2019.9	2281.8	2922.3	3137.5	4019.2	3876.5
32.5°	2484.1	2520.4	2471.1	2375.2	2279.2	2302.6	2577.4	3223.1	3383.9	4426.3	4348.5
35°	2847.1	2847.1	2857.5	2722.7	2657.8	2652.6	2948.2	3549.8	3710.6	4794.5	4848.9
37.5°	3337.2	3303.5	3246.4	3096.0	3046.8	3111.6	3295.7	3886.9	4060.6	5092.7	5237.9
40°	3749.5	3772.8	3765.0	3547.2	3451.3	3521.3	3684.7	4174.7	4309.6	5284.5	5551.6
42.5°	4154.0	4167.0	4133.2	4029.5	3889.5	3894.7	4029.5	4392.5	4530.0	5468.6	5847.2
45°	4457.4	4454.8	4431.4	4405.5	4322.5	4237.0	4260.3	4633.7	4753.0	5528.3	6008.0
47.5°	4553.3	4574.1	4594.8	4667.4	4724.4	4589.6	4470.3	4763.3	4872.2	5517.9	6067.6
50°	4465.1	4509.2	4610.4	4719.3	4913.7	4903.4	4646.7	4903.4	5009.7	5575.0	6137.6
52.5°	4268.1	4312.2	4447.0	4644.1	4937.1	5082.3	4973.4	5139.3	5263.8	5720.2	6282.8
55°	3809.1	3827.3	4104.7	4364.0	4820.4	5004.5	5323.4	5538.7	5642.4	5896.5	6474.7
57.5°	3101.2	3145.3	3417.6	3840.2	4493.7	4799.6	5523.1	6220.6	6218.0	6065.0	6516.2
60°	*2040.7*	*2170.3*	*2613.7*	*3080.5*	*3861.0*	*4397.7*	*5510.1*	*7019.3*	*7099.6*	*5899.1*	*6015.8*
62.5°	1558.4	1612.8	1864.4	2253.3	2857.5	3645.8	5424.6	7257.8	7320.0	5453.1	5266.4
65°	1172.0	1239.5	1480.6	1828.1	2017.4	2471.1	4864.5	6308.8	6394.3	4867.1	4094.3
67.5°	718.3	772.7	1094.2	1501.3	1527.3	1535.1	3282.7	4778.9	4810.0	3925.8	2756.4
70°	479.7	534.2	757.2	1153.9	1216.1	884.2	1802.1	3617.2	3614.6	2686.3	1675.1
72.5°	277.5	303.4	479.7	850.5	956.8	562.7	899.8	2300.0	2198.9	1262.8	783.1
75°	158.2	176.3	264.5	547.1	671.6	357.8	355.2	1231.7	1089.1	650.8	427.8
77.5°	95.9	103.7	145.2	357.8	404.5	241.1	197.1	573.1	552.3	381.2	225.6
80°	46.7	54.5	88.2	210.0	259.3	129.7	119.3	225.6	241.1	210.0	119.3
82.5°	15.6	20.7	49.3	80.4	168.5	51.9	49.3	124.5	132.2	124.5	57.0
85°	7.8	10.4	23.3	25.9	64.8	25.9	18.2	54.5	67.4	41.5	23.3
87.5°	0.0	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2
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°	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9
2.5°	1592.1	1586.9	1576.5	1558.4	1555.8	1542.8	1522.1	1509.1	1498.8	1506.5	1509.1
5°	1620.6	1607.7	1576.5	1527.3	1475.4	1423.6	1374.3	1317.2	1278.3	1273.2	1262.8
7.5°	1672.5	1646.6	1579.1	1483.2	1351.0	1226.5	1081.3	941.3	871.2	860.9	837.5
10°	1755.5	1711.4	1599.9	1405.4	1151.3	892.0	671.6	521.2	435.6	420.1	425.3
12.5°	1854.0	1791.8	1602.5	1273.2	876.4	552.3	381.2	324.1	306.0	298.2	298.2
15°	1981.1	1890.3	1599.9	1102.0	591.2	355.2	306.0	282.6	274.9	269.7	269.7
17.5°	2141.8	2022.5	1581.7	845.3	399.3	308.6	280.0	261.9	251.5	248.9	248.9
20°	2331.1	2170.3	1540.2	630.1	334.5	287.8	264.5	241.1	233.4	228.2	228.2
22.5°	2572.3	2349.3	1459.9	490.1	316.3	274.9	248.9	223.0	215.2	210.0	210.0
25°	2852.3	2577.4	1353.5	440.8	313.8	264.5	233.4	207.4	199.7	197.1	194.5
27.5°	3184.2	2821.2	1255.0	443.4	318.9	256.7	217.8	194.5	186.7	178.9	181.5
30°	3575.7	3072.7	1174.6	474.5	324.1	248.9	207.4	186.7	178.9	168.5	168.5
32.5°	3962.1	3368.3	1166.9	531.6	342.3	243.7	197.1	176.3	168.5	160.8	160.8
35°	4358.8	3638.0	1210.9	606.8	378.6	236.0	184.1	166.0	158.2	153.0	150.4
37.5°	4737.4	3853.2	1252.4	653.4	357.8	202.3	168.5	153.0	145.2	134.8	134.8
40°	4988.9	3969.9	1260.2	617.1	295.6	181.5	153.0	137.4	127.1	121.9	119.3
42.5°	5173.0	4045.1	1172.0	500.4	256.7	166.0	140.0	124.5	116.7	111.5	111.5
45°	5248.2	4019.2	1021.6	381.2	236.0	153.0	127.1	114.1	108.9	103.7	103.7
47.5°	5237.9	3899.9	868.7	306.0	215.2	140.0	119.3	108.9	103.7	98.5	95.9
50°	5219.7	3788.4	713.1	272.3	191.9	132.2	111.5	103.7	95.9	90.8	88.2
52.5°	5339.0	3752.1	591.2	248.9	178.9	127.1	108.9	98.5	90.8	85.6	85.6
55°	5458.3	3767.6	464.1	233.4	166.0	124.5	106.3	95.9	88.2	80.4	80.4
57.5°	5450.5	3700.2	352.6	217.8	155.6	121.9	103.7	93.3	80.4	75.2	75.2
60°	*4955.2*	*3300.9*	*274.9*	*199.7*	*142.6*	*114.1*	*95.9*	*88.2*	*75.2*	*67.4*	*67.4*
62.5°	4190.3	2595.6	225.6	176.3	127.1	103.7	88.2	80.4	67.4	54.5	54.5
65°	3096.0	1872.1	181.5	153.0	116.7	90.8	80.4	70.0	54.5	44.1	41.5
67.5°	2095.1	1151.3	145.2	127.1	103.7	77.8	67.4	59.6	49.3	36.3	33.7
70°	1242.0	611.9	106.3	88.2	77.8	57.0	57.0	51.9	41.5	31.1	28.5
72.5°	591.2	212.6	77.8	64.8	59.6	41.5	44.1	44.1	33.7	23.3	20.7
75°	300.8	103.7	51.9	46.7	38.9	31.1	36.3	33.7	23.3	15.6	15.6
77.5°	171.1	72.6	36.3	31.1	25.9	20.7	23.3	20.7	13.0	7.8	7.8
80°	95.9	51.9	23.3	20.7	15.6	13.0	13.0	10.4	7.8	2.6	2.6
82.5°	36.3	31.1	15.6	10.4	7.8	7.8	5.2	5.2	2.6	0.0	0.0
85°	15.6	7.8	7.8	5.2	5.2	2.6	2.6	2.6	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9
2.5°	1488.4	1493.6	1498.8	1519.5	1524.7	1540.2	1553.2	1568.8	1571.4	1592.1	1592.1
5°	1283.5	1280.9	1325.0	1389.8	1431.3	1488.4	1532.5	1579.1	1605.1	1638.8	1654.3
7.5°	850.5	915.3	1013.9	1128.0	1275.8	1413.2	1516.9	1607.7	1669.9	1708.8	1724.3
10°	422.7	459.0	562.7	749.4	1000.9	1280.9	1501.3	1669.9	1771.0	1815.1	1843.6
12.5°	298.2	306.0	324.1	425.3	666.4	1063.1	1452.1	1737.3	1877.3	1960.3	1996.6
15°	267.1	272.3	280.0	308.6	412.3	793.5	1363.9	1812.5	2043.3	2139.2	2185.9
17.5°	246.3	248.9	256.7	280.0	324.1	539.3	1221.3	1892.9	2242.9	2359.6	2447.8
20°	228.2	228.2	236.0	264.5	300.8	414.9	1016.5	1983.6	2497.1	2665.6	2753.8
22.5°	207.4	212.6	217.8	248.9	293.0	378.6	824.6	2053.7	2779.7	2984.5	3088.3
25°	191.9	197.1	202.3	233.4	285.2	378.6	713.1	2097.7	3096.0	3339.8	3482.4
27.5°	178.9	184.1	191.9	223.0	277.5	394.1	669.0	2110.7	3440.9	3757.3	3949.1
30°	168.5	173.7	181.5	215.2	282.6	412.3	684.6	2092.6	3791.0	4187.7	4415.9
32.5°	158.2	163.4	171.1	207.4	282.6	435.6	736.4	2056.3	4130.7	4618.1	4898.2
35°	150.4	153.0	155.6	186.7	256.7	433.0	801.2	2019.9	4472.9	5043.4	5370.1
37.5°	134.8	137.4	142.6	160.8	204.8	394.1	814.2	1975.9	4742.6	5401.2	5761.6
40°	119.3	124.5	129.7	147.8	171.1	318.9	757.2	1882.5	4885.2	5676.1	6114.3
42.5°	108.9	111.5	116.7	134.8	158.2	254.1	635.3	1719.2	5012.3	5862.8	6371.0
45°	101.1	103.7	108.9	121.9	147.8	220.4	500.4	1519.5	5022.6	5922.4	6495.5
47.5°	93.3	95.9	98.5	111.5	142.6	197.1	383.8	1338.0	5020.1	6000.2	6601.8
50°	88.2	90.8	95.9	106.3	134.8	176.3	316.3	1190.2	5129.0	6168.8	6817.0
52.5°	85.6	85.6	93.3	103.7	127.1	160.8	264.5	1057.9	5186.0	6334.7	6972.6
55°	80.4	83.0	88.2	98.5	119.3	153.0	225.6	892.0	5211.9	6417.7	7001.1
57.5°	75.2	77.8	85.6	93.3	114.1	145.2	194.5	666.4	4841.1	5984.6	6524.0
60°	*67.4*	*72.6*	*83.0*	*90.8*	*106.3*	*132.2*	*171.1*	*451.2*	*4084.0*	*5201.6*	*5652.7*
62.5°	54.5	64.8	75.2	80.4	95.9	111.5	145.2	300.8	3262.0	4304.4	4817.8
65°	41.5	54.5	62.2	70.0	80.4	93.3	121.9	204.8	2175.5	2896.4	3474.6
67.5°	36.3	46.7	51.9	57.0	67.4	80.4	98.5	142.6	1319.8	1739.9	2310.4
70°	28.5	38.9	44.1	41.5	51.9	62.2	70.0	95.9	674.2	943.9	1314.7
72.5°	20.7	31.1	33.7	33.7	31.1	44.1	51.9	67.4	293.0	459.0	596.4
75°	15.6	20.7	23.3	20.7	18.2	28.5	36.3	44.1	191.9	274.9	347.5
77.5°	7.8	7.8	13.0	13.0	7.8	15.6	18.2	25.9	108.9	160.8	199.7
80°	2.6	0.0	0.0	2.6	0.0	5.2	7.8	13.0	57.0	85.6	124.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	28.5	25.9	64.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	15.6
87.5°	0.0	0.0	0.0	0.0	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: P1501739
CATALOG NUMBER: GSS-SB2C-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1586.9	*1586.9*	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9	1586.9
2.5°	1605.1	*1605.1*	1615.4	1631.0	1638.8	1644.0	1646.6	1651.7	1672.5	1667.3
5°	1672.5	*1677.7*	1685.5	1701.0	1719.2	1714.0	1714.0	1714.0	1726.9	1716.6
7.5°	1760.6	*1776.2*	1778.8	1796.9	1784.0	1758.1	1742.5	1719.2	1716.6	1716.6
10°	1903.3	*1898.1*	1898.1	1874.7	1828.1	1752.9	1685.5	1638.8	1612.8	1615.4
12.5°	2056.3	*2035.5*	2038.1	1952.5	1820.3	1654.3	1516.9	1415.8	1408.0	1400.2
15°	2245.5	*2191.1*	2180.7	1983.6	1703.6	1449.5	1314.7	1234.3	1208.3	1200.6
17.5°	2515.2	*2377.8*	2328.5	1929.2	1550.6	1322.4	1221.3	1185.0	1182.4	1179.8
20°	2800.4	*2528.2*	2434.8	1848.8	1498.8	1325.0	1249.8	1239.5	1234.3	1236.9
22.5°	3132.3	*2624.1*	2504.8	1861.8	1545.4	1410.6	1351.0	1343.2	1338.0	1343.2
25°	3474.6	*2735.6*	2587.8	1965.5	1685.5	1568.8	1498.8	1483.2	1498.8	1522.1
27.5°	3819.5	*2886.0*	2751.2	2170.3	1911.0	1784.0	1716.6	1773.6	1796.9	1799.5
30°	4125.5	*3096.0*	2971.6	2458.2	2167.7	2040.7	2053.7	2126.3	2154.8	2183.3
32.5°	4405.5	*3376.1*	3280.1	2784.9	2499.7	2424.5	2416.7	2471.1	2502.2	2484.1
35°	4688.1	*3741.7*	3648.4	3140.1	2906.8	2844.5	2779.7	2886.0	2875.6	2847.1
37.5°	4955.2	*4109.9*	4024.3	3521.3	3280.1	3171.2	3160.9	3256.8	3342.4	3337.2
40°	5147.1	*4408.1*	4304.4	3899.9	3671.7	3578.3	3632.8	3798.7	3778.0	3749.5
42.5°	5323.4	*4662.2*	4568.9	4231.8	3993.2	4034.7	4084.0	4195.5	4182.5	4154.0
45°	5406.4	*4880.0*	4799.6	4483.3	4366.6	4498.9	4496.3	4537.8	4467.7	4457.4
47.5°	5523.1	*5035.6*	4952.6	4708.9	4812.6	4867.1	4714.1	4670.0	4605.2	4553.3
50°	5738.3	*5276.8*	5193.8	5051.2	5139.3	4970.8	4784.1	4688.1	4555.9	4465.1
52.5°	5989.8	*5642.4*	5569.8	5512.7	5266.4	4918.9	4680.4	4506.6	4345.9	4268.1
55°	6306.2	*6181.7*	6129.9	5816.1	5152.3	4706.3	4426.3	4102.1	3881.7	3809.1
57.5°	6409.9	*6972.6*	6954.4	5865.4	4833.4	4319.9	3814.3	3376.1	3147.9	3101.2
60°	*6103.9*	*7592.3*	*7527.5*	*5782.4*	*4255.1*	*3505.7*	*2914.5*	*2465.9*	*2095.1*	*2040.7*
62.5°	5712.4	*7117.8*	7094.5	5364.9	3241.3	2512.6	2178.1	1758.1	1599.9	1558.4
65°	4893.0	*5823.9*	5834.3	4304.4	2051.1	1804.7	1789.2	1397.6	1203.2	1172.0
67.5°	3767.6	*4467.7*	4395.1	2707.1	1195.4	1444.3	1428.7	1021.6	739.0	718.3
70°	2201.5	*3326.8*	3210.1	1408.0	790.9	1205.7	1099.4	718.3	503.0	479.7
72.5°	972.4	*1830.7*	1965.5	619.7	557.5	959.4	793.5	440.8	282.6	277.5
75°	539.3	*907.6*	949.0	269.7	391.5	682.0	479.7	246.3	160.8	158.2
77.5°	324.1	*401.9*	391.5	173.7	293.0	435.6	290.4	140.0	101.1	95.9
80°	181.5	*184.1*	155.6	127.1	173.7	243.7	163.4	88.2	46.7	46.7
82.5°	111.5	*101.1*	80.4	38.9	46.7	147.8	59.6	49.3	15.6	15.6
85°	46.7	*31.1*	20.7	7.8	18.2	38.9	20.7	23.3	7.8	7.8
87.5°	0.0	*0.0*	0.0	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

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

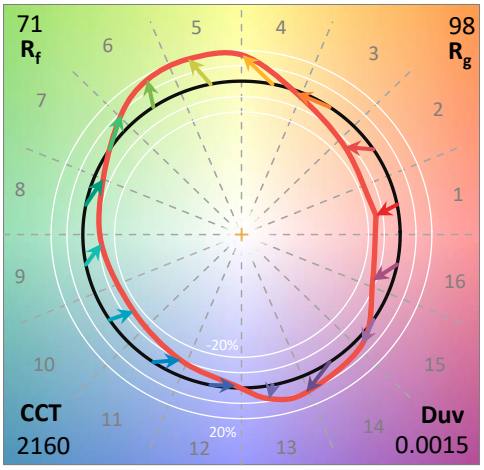
Test Information

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

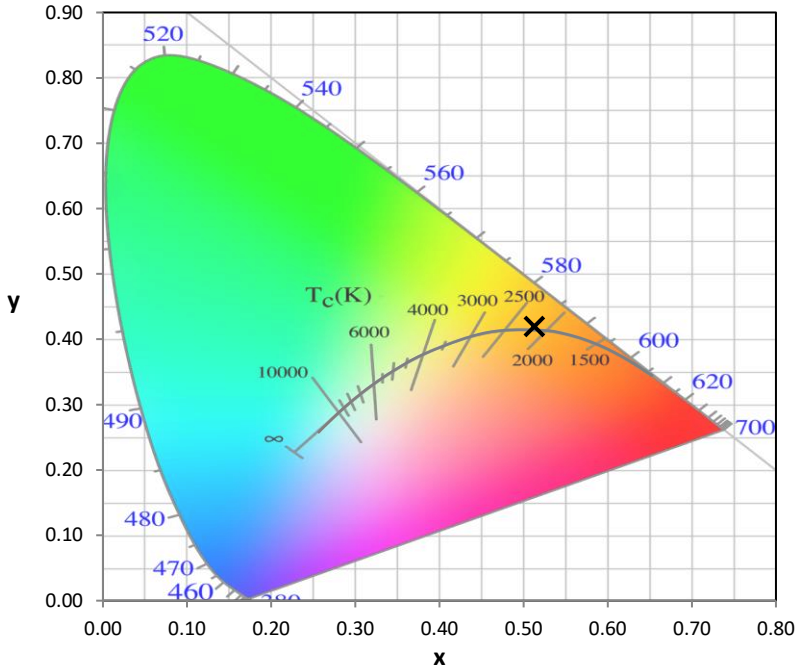
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

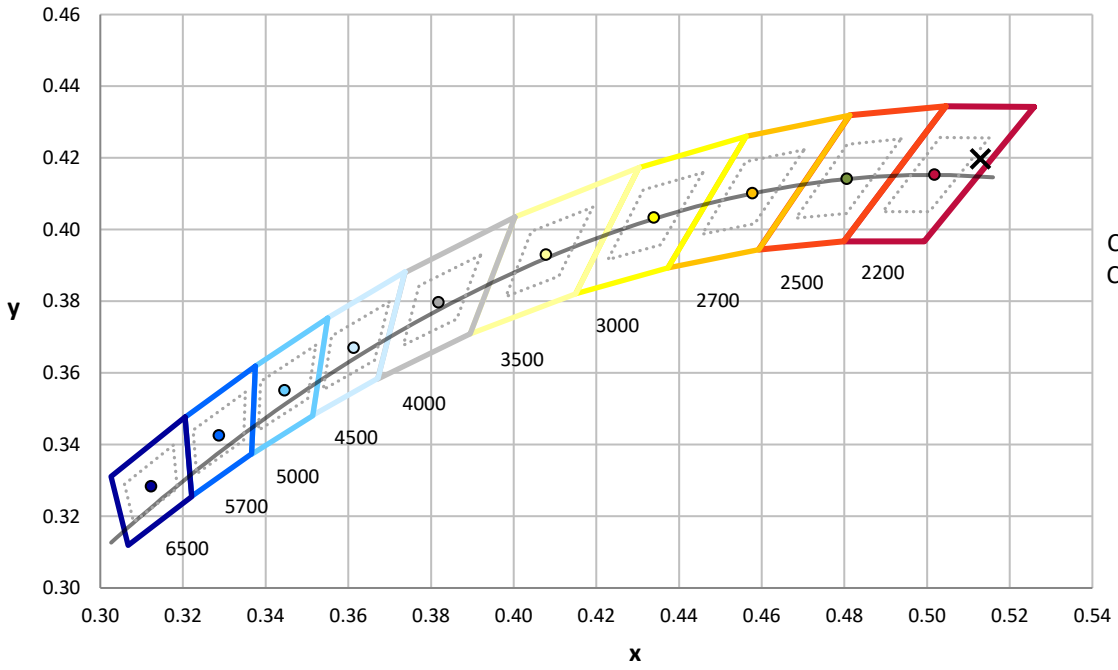
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

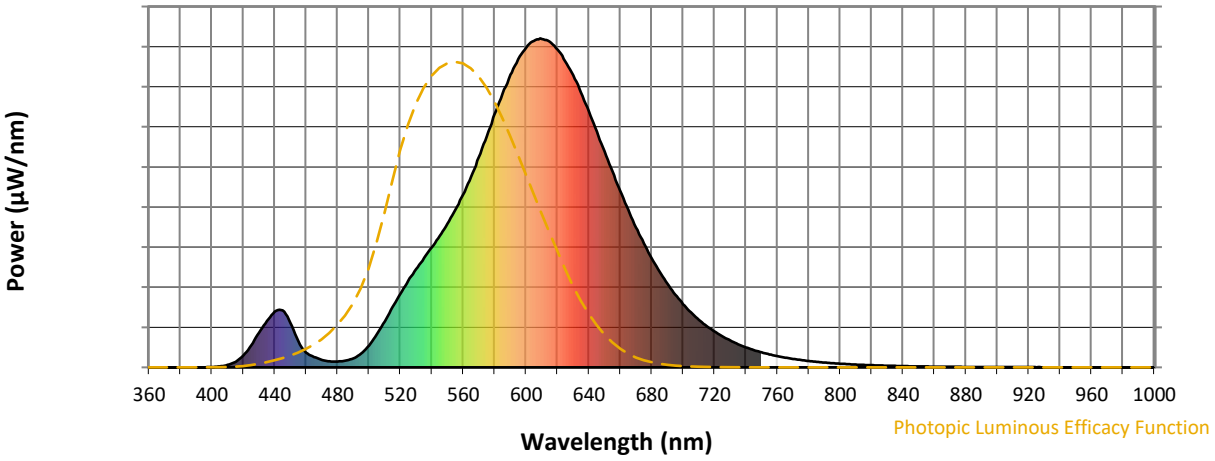


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

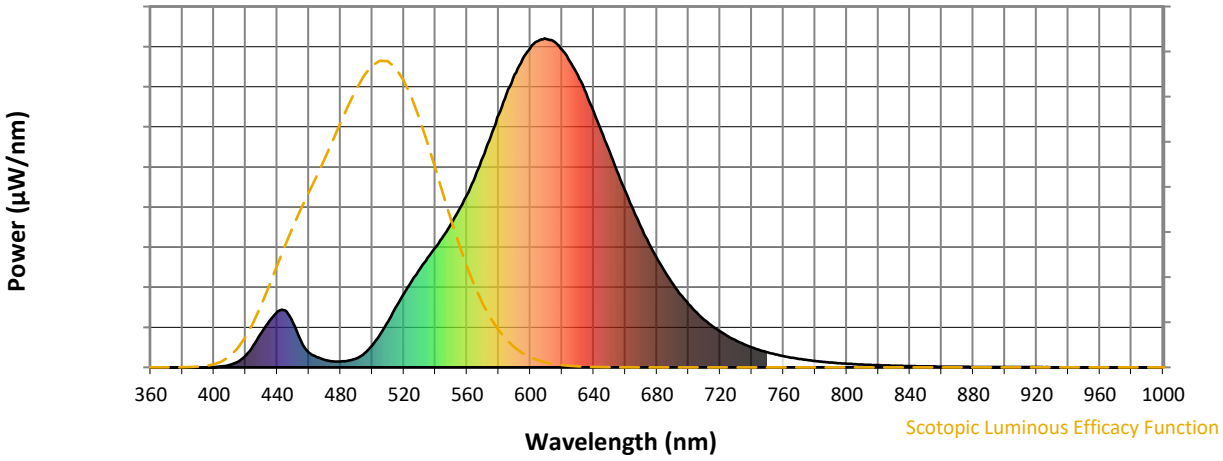


Photopic Lumens: NR

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

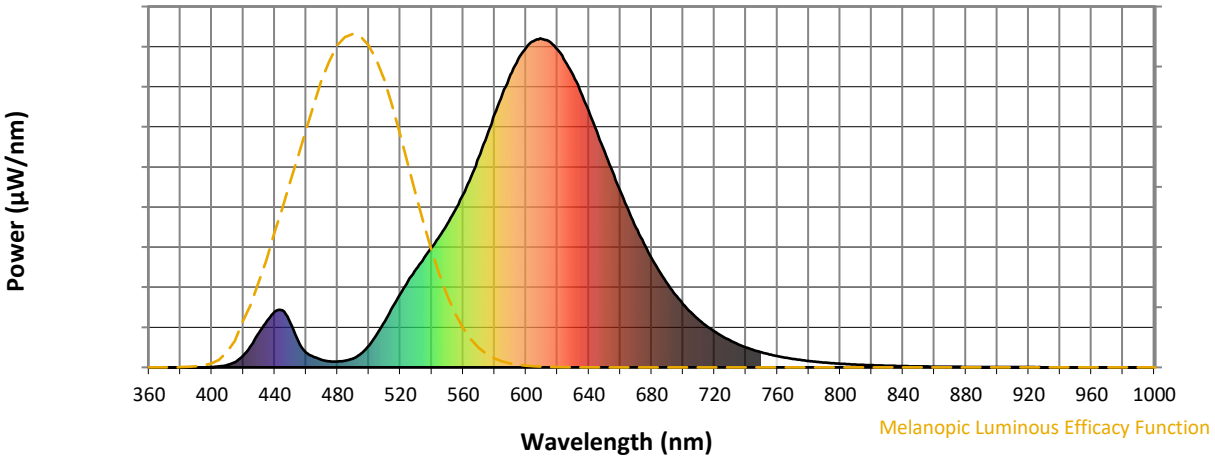


Scotopic Lumens: NR **S/P: 0.8**

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			

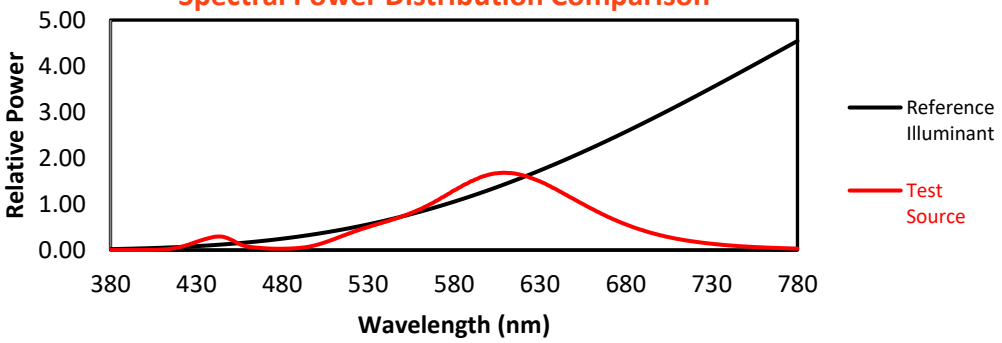
REPORT NUMBER: SP1-2407-184-2

TM-30-18

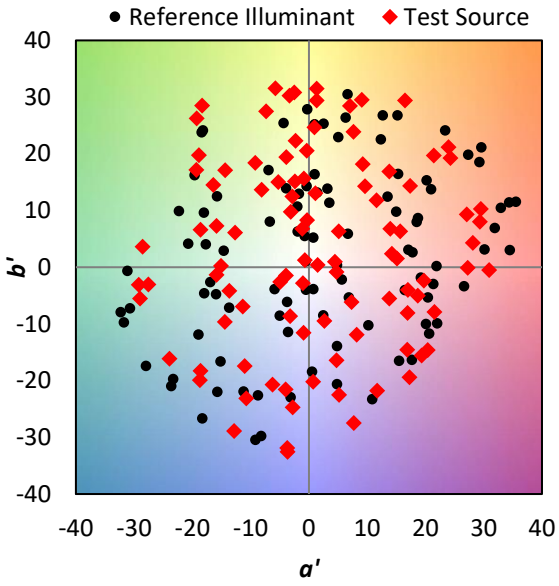
Summary

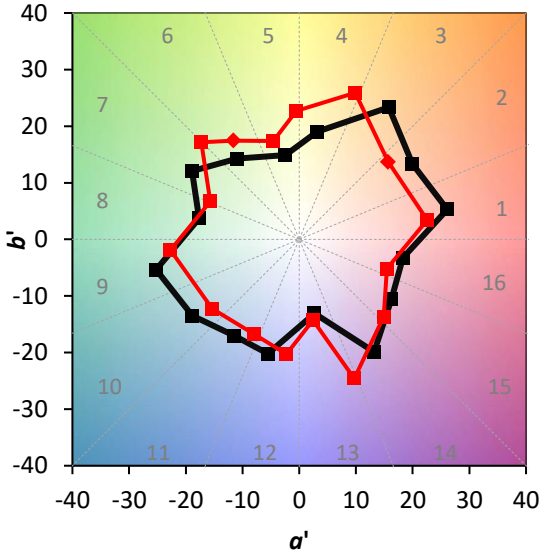
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

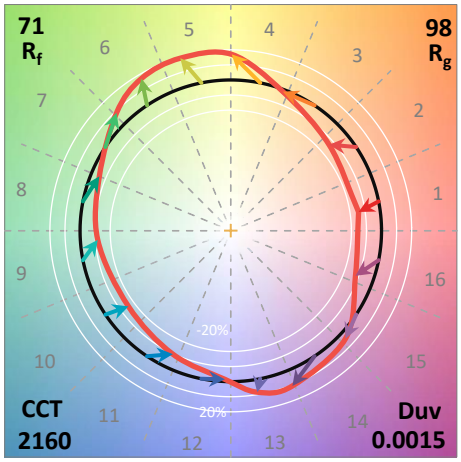
Spectral Power Distribution Comparison

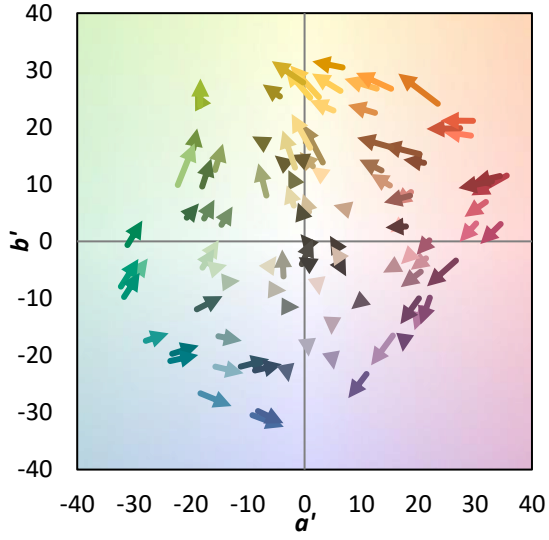


Color Vector Graphics







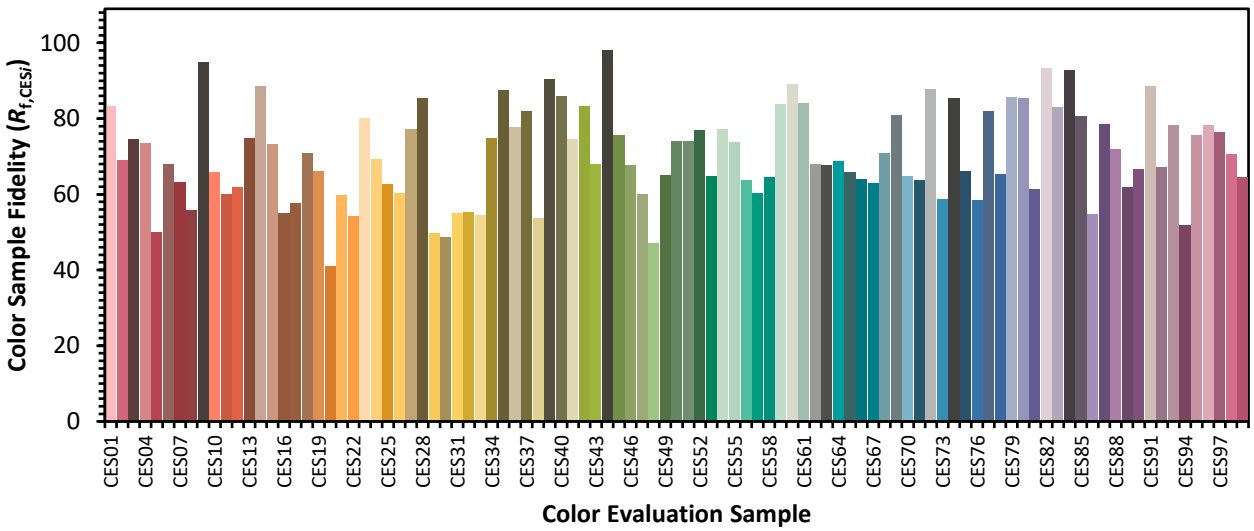


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

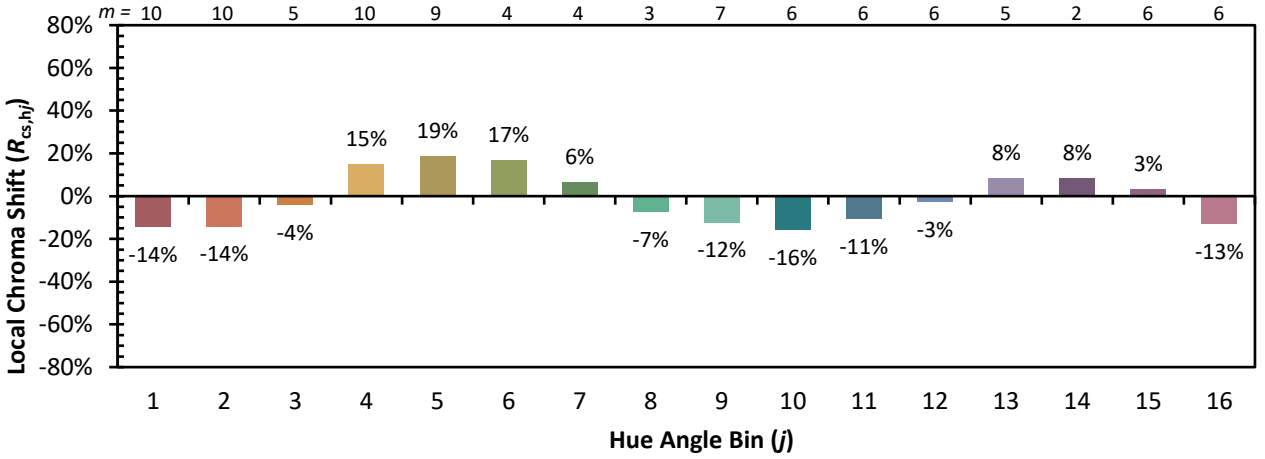
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

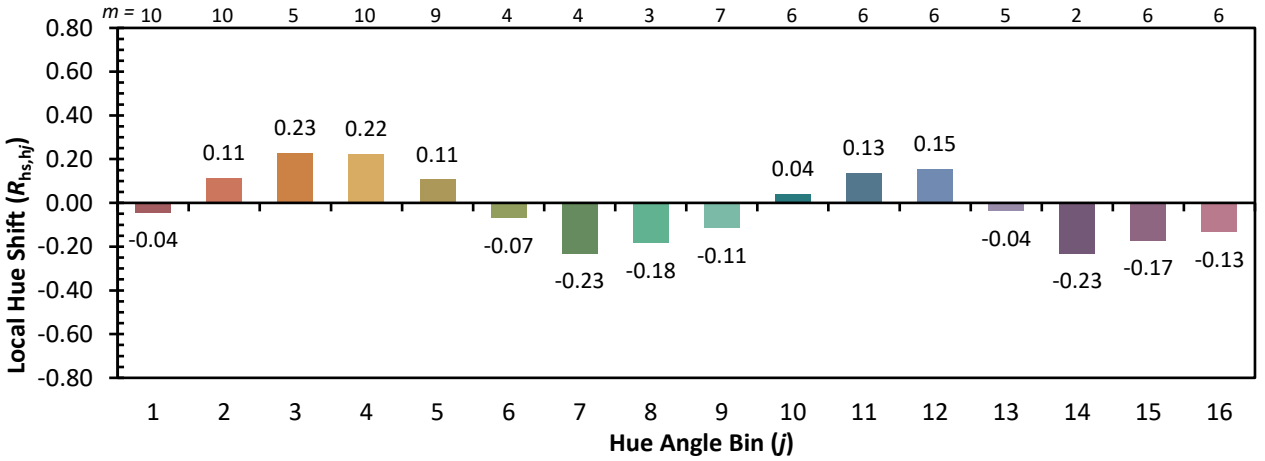


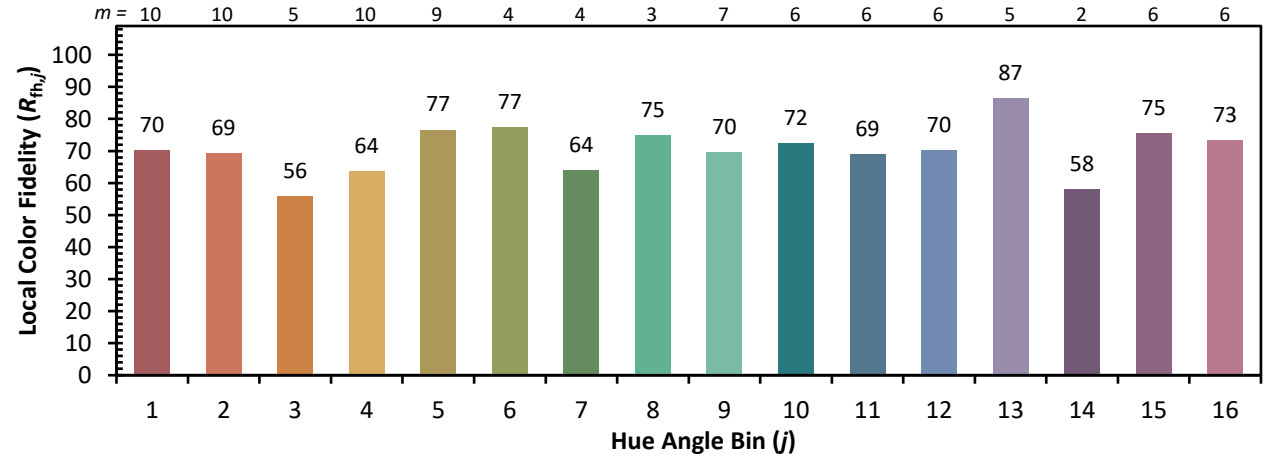
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Color Rendition by Hue-Angle Bin



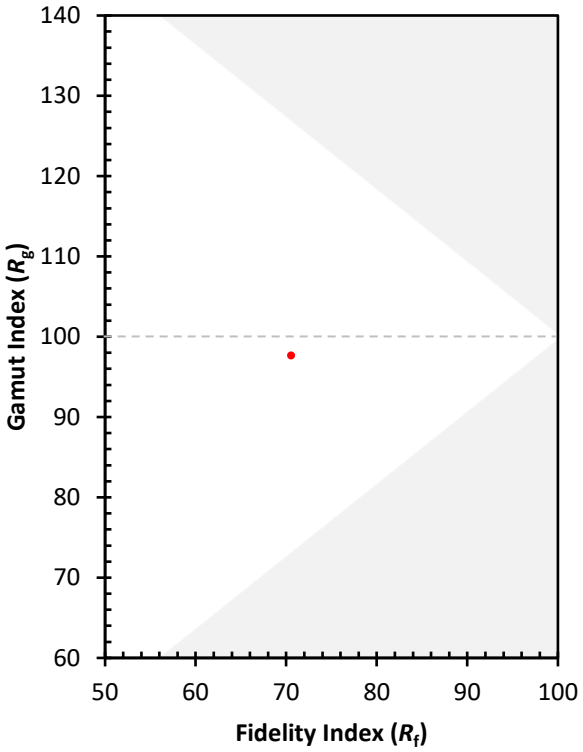


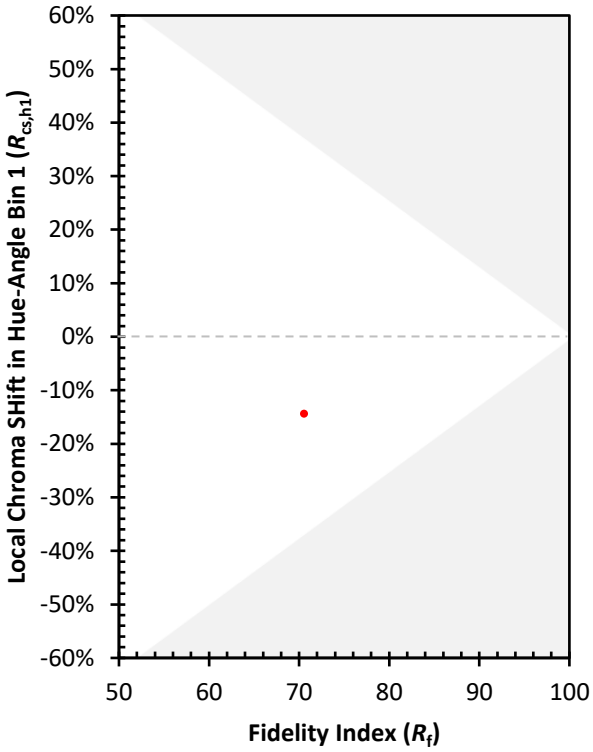


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Measure Comparisons





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