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: P1501734

Luminaire Tested: GSS-SB1B-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:	P1501734
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3438.8 lumens
Efficiency:	N/A
Efficacy:	86.0 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

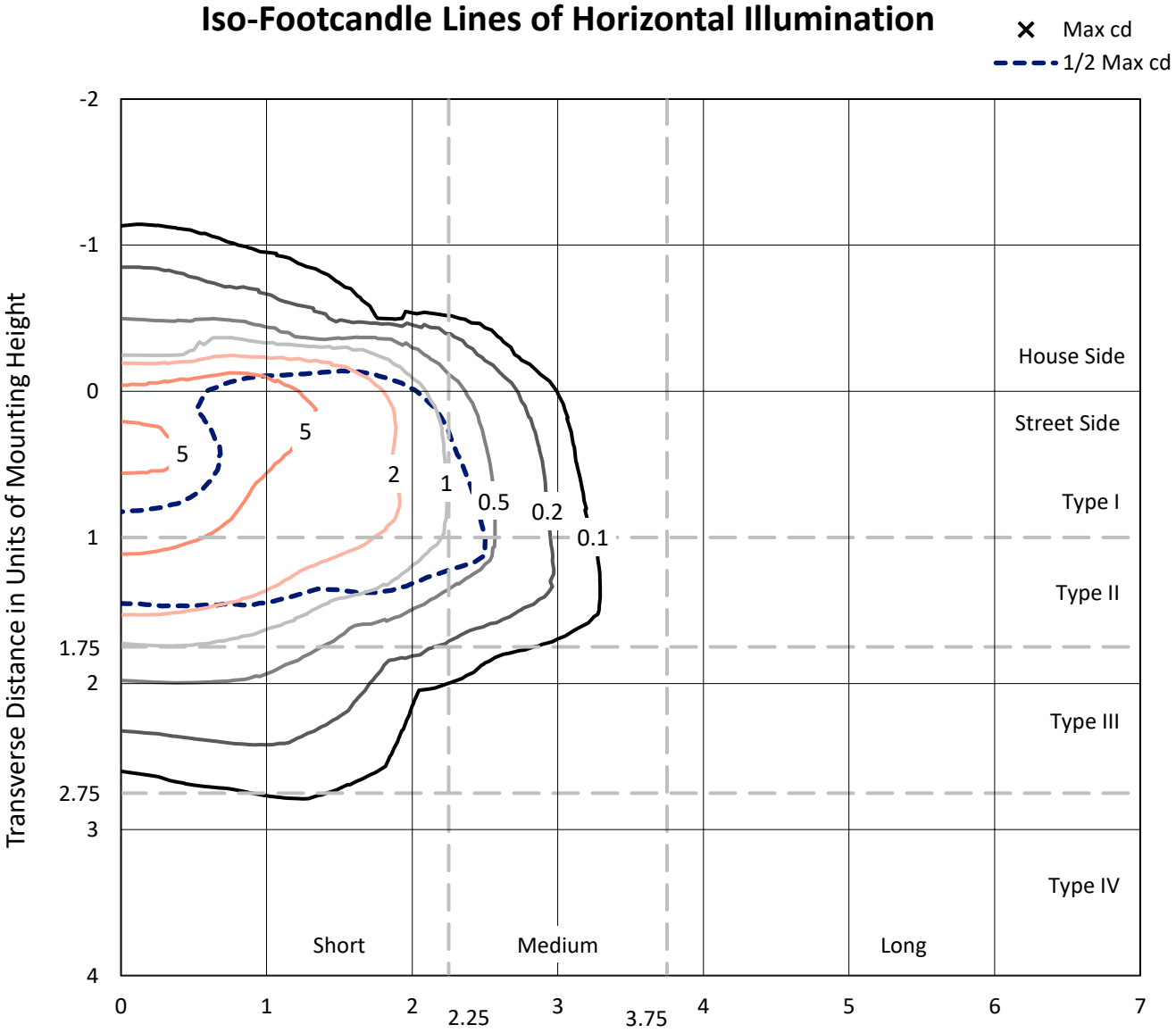
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



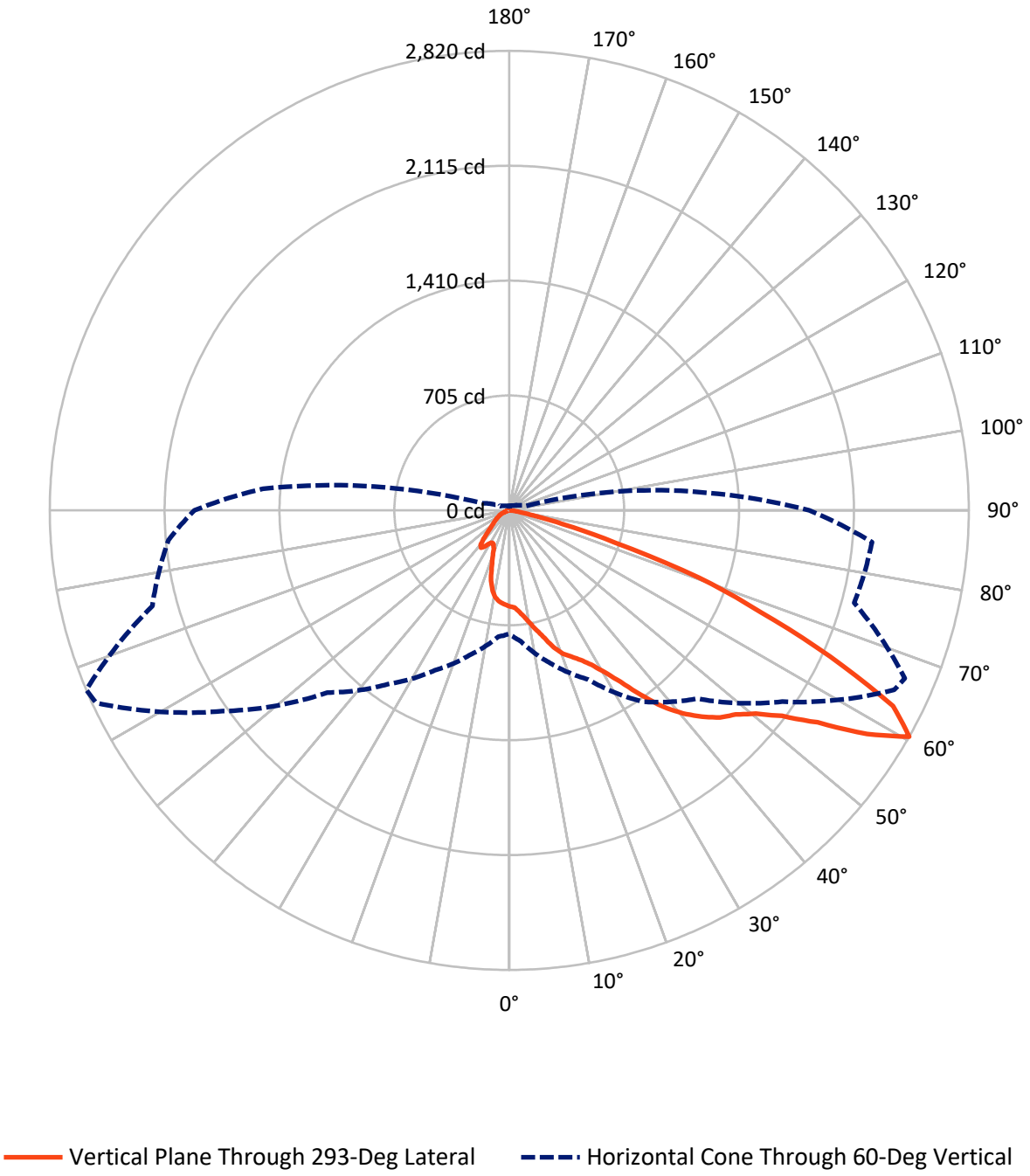
Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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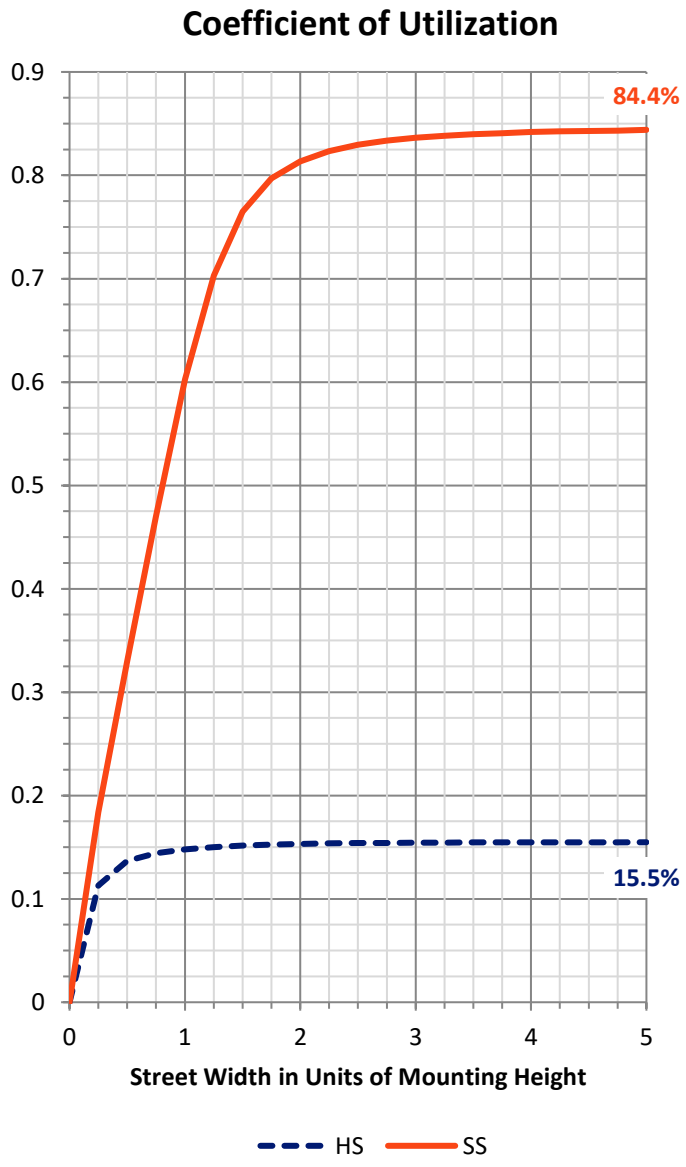
REPORT NUMBER: P1501734
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	536.5	0.0	536.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	2902.3	0.0	2902.3
	% Fixture	84.4	0.0	84.4
Total	Lumens	3438.8	0.0	3438.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.6
10°-20°	134.4	3.9
20°-30°	250.9	7.3
30°-40°	497.6	14.5
40°-50°	793.3	23.1
50°-60°	947.8	27.6
60°-70°	621.4	18.1
70°-80°	130.2	3.8
80°-90°	9.9	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°	3438.8	100.0
0°-180°	3438.8	100.0



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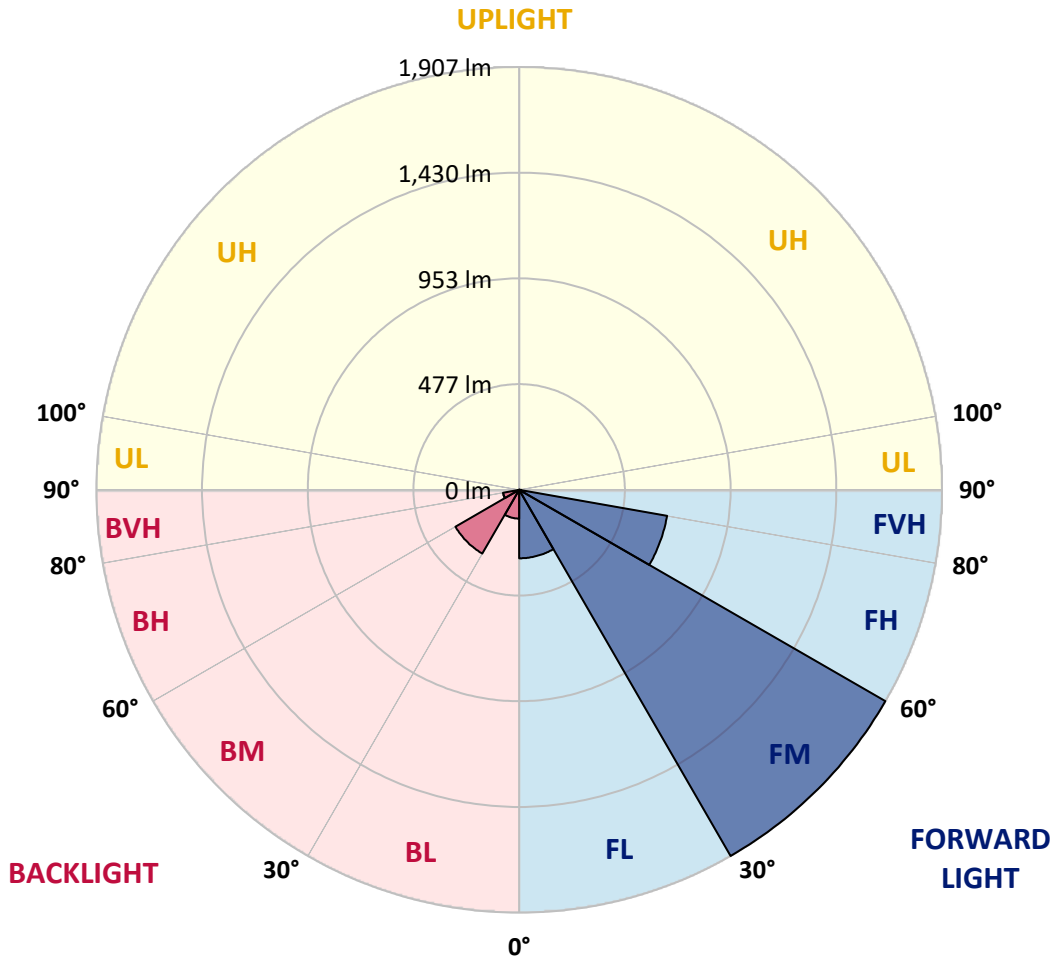
Scaled Data Report

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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°)	308.9	9.0			
FM	(30°-60°)	1906.9	55.5			
FH	(60°-80°)	677.4	19.7			G1/1800
FVH	(80°-90°)	9.0	0.3			G0/10
BL	(0°-30°)	129.8	3.8	B1/500		
BM	(30°-60°)	331.8	9.6	B1/1000		
BH	(60°-80°)	74.1	2.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	619.2	617.3	614.4	615.4	614.4	610.6	604.8	600.0	603.8	598.0	594.2
5°	637.5	637.5	635.6	635.6	636.6	634.6	630.8	624.0	625.0	620.2	607.7
7.5°	637.5	634.6	639.5	644.3	652.9	657.7	659.7	655.8	657.7	648.1	631.7
10°	600.0	598.0	610.6	628.9	653.9	676.0	690.5	691.5	694.3	684.7	665.5
12.5°	520.0	516.2	541.2	575.9	626.9	678.0	718.4	733.8	740.6	736.7	709.8
15°	445.9	450.7	468.0	505.6	574.0	652.0	733.8	784.9	794.5	799.3	767.5
17.5°	438.2	439.1	444.9	463.2	515.2	609.6	735.8	837.8	851.3	872.5	829.2
20°	459.4	457.4	463.2	469.0	494.0	572.0	717.5	888.9	914.9	960.1	913.0
22.5°	498.8	498.8	501.7	505.6	518.1	569.1	709.8	936.1	980.4	1072.8	1017.9
25°	565.3	557.6	559.5	554.7	565.3	603.8	727.1	973.6	1034.3	1198.0	1143.1
27.5°	668.3	671.2	653.9	627.9	633.7	666.4	769.5	1016.0	1090.1	1328.0	1270.2
30°	810.9	806.1	795.5	744.4	721.3	750.2	847.5	1085.3	1165.3	1492.7	1439.7
32.5°	922.6	936.1	917.8	882.1	846.5	855.2	957.2	1197.0	1256.8	1643.9	1615.0
35°	1057.4	1057.4	1061.3	1011.2	987.1	985.2	1095.0	1318.4	1378.1	1780.6	1800.9
37.5°	1239.4	1226.9	1205.7	1149.9	1131.6	1155.6	1224.0	1443.6	1508.1	1891.4	1945.3
40°	1392.5	1401.2	1398.3	1317.4	1281.8	1307.8	1368.5	1550.5	1600.6	1962.7	2061.8
42.5°	1542.8	1547.6	1535.1	1496.5	1444.5	1446.5	1496.5	1631.4	1682.4	2031.0	2171.6
45°	1655.4	1654.5	1645.8	1636.2	1605.4	1573.6	1582.3	1720.9	1765.2	2053.2	2231.3
47.5°	1691.1	1698.8	1706.5	1733.5	1754.6	1704.6	1660.3	1769.1	1809.5	2049.3	2253.5
50°	1658.3	1674.7	1712.3	1752.7	1824.9	1821.1	1725.7	1821.1	1860.6	2070.5	2279.5
52.5°	1585.1	1601.5	1651.6	1724.8	1833.6	1887.5	1847.1	1908.7	1954.9	2124.4	2333.4
55°	1414.7	1421.4	1524.5	1620.8	1790.3	1858.6	1977.1	2057.0	2095.5	2189.9	2404.7
57.5°	1151.8	1168.2	1269.3	1426.2	1668.9	1782.6	2051.2	2310.3	2309.3	2252.5	2420.1
60°	*757.9*	*806.1*	*970.7*	*1144.1*	*1433.9*	*1633.3*	*2046.4*	*2606.9*	*2636.8*	*2190.9*	*2234.2*
62.5°	578.8	599.0	692.4	836.9	1061.3	1354.0	2014.7	2695.5	2718.6	2025.2	1955.9
65°	435.3	460.3	549.9	678.9	749.2	917.8	1806.6	2343.0	2374.8	1807.6	1520.6
67.5°	266.8	287.0	406.4	557.6	567.2	570.1	1219.2	1774.9	1786.4	1458.0	1023.7
70°	178.2	198.4	281.2	428.5	451.7	328.4	669.3	1343.4	1342.5	997.7	622.1
72.5°	103.0	112.7	178.2	315.9	355.4	209.0	334.2	854.2	816.6	469.0	290.8
75°	58.7	65.5	98.2	203.2	249.4	132.9	131.9	457.4	404.5	241.7	158.9
77.5°	35.6	38.5	53.9	132.9	150.2	89.6	73.2	212.8	205.1	141.6	83.8
80°	17.3	20.2	32.7	78.0	96.3	48.2	44.3	83.8	89.6	78.0	44.3
82.5°	5.8	7.7	18.3	29.9	62.6	19.3	18.3	46.2	49.1	46.2	21.2
85°	2.9	3.9	8.7	9.6	24.1	9.6	6.7	20.2	25.0	15.4	8.7
87.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9
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°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	591.3	589.4	585.5	578.8	577.8	573.0	565.3	560.5	556.6	559.5	560.5
5°	601.9	597.1	585.5	567.2	548.0	528.7	510.4	489.2	474.8	472.8	469.0
7.5°	621.2	611.5	586.5	550.9	501.7	455.5	401.6	349.6	323.6	319.7	311.1
10°	652.0	635.6	594.2	522.0	427.6	331.3	249.4	193.6	161.8	156.0	157.9
12.5°	688.6	665.5	595.2	472.8	325.5	205.1	141.6	120.4	113.6	110.7	110.7
15°	735.8	702.0	594.2	409.3	219.6	131.9	113.6	105.0	102.1	100.2	100.2
17.5°	795.5	751.2	587.4	313.9	148.3	114.6	104.0	97.3	93.4	92.5	92.5
20°	865.8	806.1	572.0	234.0	124.2	106.9	98.2	89.6	86.7	84.7	84.7
22.5°	955.3	872.5	542.2	182.0	117.5	102.1	92.5	82.8	79.9	78.0	78.0
25°	1059.3	957.2	502.7	163.7	116.5	98.2	86.7	77.0	74.2	73.2	72.2
27.5°	1182.6	1047.8	466.1	164.7	118.5	95.3	80.9	72.2	69.3	66.4	67.4
30°	1328.0	1141.2	436.3	176.2	120.4	92.5	77.0	69.3	66.4	62.6	62.6
32.5°	1471.5	1251.0	433.4	197.4	127.1	90.5	73.2	65.5	62.6	59.7	59.7
35°	1618.8	1351.1	449.7	225.3	140.6	87.6	68.4	61.6	58.7	56.8	55.9
37.5°	1759.5	1431.1	465.1	242.7	132.9	75.1	62.6	56.8	53.9	50.1	50.1
40°	1852.9	1474.4	468.0	229.2	109.8	67.4	56.8	51.0	47.2	45.3	44.3
42.5°	1921.2	1502.3	435.3	185.9	95.3	61.6	52.0	46.2	43.3	41.4	41.4
45°	1949.2	1492.7	379.4	141.6	87.6	56.8	47.2	42.4	40.4	38.5	38.5
47.5°	1945.3	1448.4	322.6	113.6	79.9	52.0	44.3	40.4	38.5	36.6	35.6
50°	1938.6	1407.0	264.8	101.1	71.3	49.1	41.4	38.5	35.6	33.7	32.7
52.5°	1982.9	1393.5	219.6	92.5	66.4	47.2	40.4	36.6	33.7	31.8	31.8
55°	2027.2	1399.3	172.4	86.7	61.6	46.2	39.5	35.6	32.7	29.9	29.9
57.5°	2024.3	1374.2	131.0	80.9	57.8	45.3	38.5	34.7	29.9	27.9	27.9
60°	*1840.3*	*1225.9*	*102.1*	*74.2*	*53.0*	*42.4*	*35.6*	*32.7*	*27.9*	*25.0*	*25.0*
62.5°	1556.3	964.0	83.8	65.5	47.2	38.5	32.7	29.9	25.0	20.2	20.2
65°	1149.9	695.3	67.4	56.8	43.3	33.7	29.9	26.0	20.2	16.4	15.4
67.5°	778.1	427.6	53.9	47.2	38.5	28.9	25.0	22.1	18.3	13.5	12.5
70°	461.3	227.3	39.5	32.7	28.9	21.2	21.2	19.3	15.4	11.6	10.6
72.5°	219.6	79.0	28.9	24.1	22.1	15.4	16.4	16.4	12.5	8.7	7.7
75°	111.7	38.5	19.3	17.3	14.4	11.6	13.5	12.5	8.7	5.8	5.8
77.5°	63.6	27.0	13.5	11.6	9.6	7.7	8.7	7.7	4.8	2.9	2.9
80°	35.6	19.3	8.7	7.7	5.8	4.8	4.8	3.9	2.9	1.0	1.0
82.5°	13.5	11.6	5.8	3.9	2.9	2.9	1.9	1.9	1.0	0.0	0.0
85°	5.8	2.9	2.9	1.9	1.9	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	552.8	554.7	556.6	564.3	566.3	572.0	576.9	582.6	583.6	591.3	591.3
5°	476.7	475.7	492.1	516.2	531.6	552.8	569.1	586.5	596.1	608.6	614.4
7.5°	315.9	339.9	376.5	418.9	473.8	524.9	563.4	597.1	620.2	634.6	640.4
10°	157.0	170.5	209.0	278.3	371.7	475.7	557.6	620.2	657.7	674.1	684.7
12.5°	110.7	113.6	120.4	157.9	247.5	394.8	539.3	645.2	697.2	728.0	741.5
15°	99.2	101.1	104.0	114.6	153.1	294.7	506.6	673.2	758.9	794.5	811.8
17.5°	91.5	92.5	95.3	104.0	120.4	200.3	453.6	703.0	833.0	876.4	909.1
20°	84.7	84.7	87.6	98.2	111.7	154.1	377.5	736.7	927.4	990.0	1022.7
22.5°	77.0	79.0	80.9	92.5	108.8	140.6	306.2	762.7	1032.4	1108.4	1147.0
25°	71.3	73.2	75.1	86.7	105.9	140.6	264.8	779.1	1149.9	1240.4	1293.3
27.5°	66.4	68.4	71.3	82.8	103.0	146.4	248.5	783.9	1277.9	1395.4	1466.7
30°	62.6	64.5	67.4	79.9	105.0	153.1	254.2	777.2	1407.9	1555.3	1640.0
32.5°	58.7	60.7	63.6	77.0	105.0	161.8	273.5	763.7	1534.1	1715.2	1819.2
35°	55.9	56.8	57.8	69.3	95.3	160.8	297.6	750.2	1661.2	1873.1	1994.4
37.5°	50.1	51.0	53.0	59.7	76.1	146.4	302.4	733.8	1761.4	2006.0	2139.8
40°	44.3	46.2	48.2	54.9	63.6	118.5	281.2	699.2	1814.3	2108.1	2270.8
42.5°	40.4	41.4	43.3	50.1	58.7	94.4	235.9	638.5	1861.5	2177.4	2366.2
45°	37.6	38.5	40.4	45.3	54.9	81.9	185.9	564.3	1865.4	2199.6	2412.4
47.5°	34.7	35.6	36.6	41.4	53.0	73.2	142.5	496.9	1864.4	2228.4	2451.9
50°	32.7	33.7	35.6	39.5	50.1	65.5	117.5	442.0	1904.9	2291.0	2531.8
52.5°	31.8	31.8	34.7	38.5	47.2	59.7	98.2	392.9	1926.1	2352.7	2589.6
55°	29.9	30.8	32.7	36.6	44.3	56.8	83.8	331.3	1935.7	2383.5	2600.2
57.5°	27.9	28.9	31.8	34.7	42.4	53.9	72.2	247.5	1798.0	2222.7	2423.0
60°	*25.0*	*27.0*	*30.8*	*33.7*	*39.5*	*49.1*	*63.6*	*167.6*	*1516.8*	*1931.8*	*2099.4*
62.5°	20.2	24.1	27.9	29.9	35.6	41.4	53.9	111.7	1211.5	1598.6	1789.3
65°	15.4	20.2	23.1	26.0	29.9	34.7	45.3	76.1	808.0	1075.7	1290.5
67.5°	13.5	17.3	19.3	21.2	25.0	29.9	36.6	53.0	490.2	646.2	858.1
70°	10.6	14.4	16.4	15.4	19.3	23.1	26.0	35.6	250.4	350.5	488.3
72.5°	7.7	11.6	12.5	12.5	11.6	16.4	19.3	25.0	108.8	170.5	221.5
75°	5.8	7.7	8.7	7.7	6.7	10.6	13.5	16.4	71.3	102.1	129.0
77.5°	2.9	2.9	4.8	4.8	2.9	5.8	6.7	9.6	40.4	59.7	74.2
80°	1.0	0.0	0.0	1.0	0.0	1.9	2.9	4.8	21.2	31.8	46.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.6	9.6	24.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.8
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: P1501734
CATALOG NUMBER: GSS-SB1B-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	589.4	*589.4*	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	596.1	*596.1*	600.0	605.7	608.6	610.6	611.5	613.4	621.2	619.2
5°	621.2	*623.1*	626.0	631.7	638.5	636.6	636.6	636.6	641.4	637.5
7.5°	653.9	*659.7*	660.6	667.4	662.6	652.9	647.2	638.5	637.5	637.5
10°	706.9	*704.9*	704.9	696.3	678.9	651.0	626.0	608.6	599.0	600.0
12.5°	763.7	*756.0*	756.9	725.2	676.0	614.4	563.4	525.8	522.9	520.0
15°	834.0	*813.8*	809.9	736.7	632.7	538.3	488.3	458.4	448.8	445.9
17.5°	934.1	*883.1*	864.8	716.5	575.9	491.1	453.6	440.1	439.1	438.2
20°	1040.1	*939.0*	904.3	686.6	556.6	492.1	464.2	460.3	458.4	459.4
22.5°	1163.3	*974.6*	930.3	691.5	574.0	523.9	501.7	498.8	496.9	498.8
25°	1290.5	*1016.0*	961.1	730.0	626.0	582.6	556.6	550.9	556.6	565.3
27.5°	1418.5	*1071.9*	1021.8	806.1	709.8	662.6	637.5	658.7	667.4	668.3
30°	1532.2	*1149.9*	1103.6	913.0	805.1	757.9	762.7	789.7	800.3	810.9
32.5°	1636.2	*1253.9*	1218.2	1034.3	928.4	900.4	897.5	917.8	929.3	922.6
35°	1741.2	*1389.6*	1355.0	1166.2	1079.6	1056.4	1032.4	1071.9	1068.0	1057.4
37.5°	1840.3	*1526.4*	1494.6	1307.8	1218.2	1177.8	1173.9	1209.6	1241.3	1239.4
40°	1911.6	*1637.1*	1598.6	1448.4	1363.6	1329.0	1349.2	1410.8	1403.1	1392.5
42.5°	1977.1	*1731.5*	1696.9	1571.7	1483.1	1498.5	1516.8	1558.2	1553.4	1542.8
45°	2007.9	*1812.4*	1782.6	1665.1	1621.7	1670.9	1669.9	1685.3	1659.3	1655.4
47.5°	2051.2	*1870.2*	1839.4	1748.9	1787.4	1807.6	1750.8	1734.4	1710.3	1691.1
50°	2131.2	*1959.8*	1928.9	1876.0	1908.7	1846.1	1776.8	1741.2	1692.0	1658.3
52.5°	2224.6	*2095.5*	2068.6	2047.4	1955.9	1826.9	1738.3	1673.7	1614.0	1585.1
55°	2342.1	*2295.9*	2276.6	2160.1	1913.5	1747.9	1643.9	1523.5	1441.7	1414.7
57.5°	2380.6	*2589.6*	2582.8	2178.4	1795.1	1604.4	1416.6	1253.9	1169.1	1151.8
60°	*2267.0*	*2819.7*	*2795.7*	*2147.6*	*1580.3*	*1302.0*	*1082.4*	*915.8*	*778.1*	*757.9*
62.5°	2121.6	*2643.5*	2634.8	1992.5	1203.8	933.2	808.9	652.9	594.2	578.8
65°	1817.2	*2163.0*	2166.8	1598.6	761.8	670.3	664.5	519.1	446.8	435.3
67.5°	1399.3	*1659.3*	1632.3	1005.4	444.0	536.4	530.6	379.4	274.5	266.8
70°	817.6	*1235.6*	1192.2	522.9	293.7	447.8	408.3	266.8	186.8	178.2
72.5°	361.1	*679.9*	730.0	230.2	207.1	356.3	294.7	163.7	105.0	103.0
75°	200.3	*337.1*	352.5	100.2	145.4	253.3	178.2	91.5	59.7	58.7
77.5°	120.4	*149.3*	145.4	64.5	108.8	161.8	107.9	52.0	37.6	35.6
80°	67.4	*68.4*	57.8	47.2	64.5	90.5	60.7	32.7	17.3	17.3
82.5°	41.4	*37.6*	29.9	14.4	17.3	54.9	22.1	18.3	5.8	5.8
85°	17.3	*11.6*	7.7	2.9	6.7	14.4	7.7	8.7	2.9	2.9
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

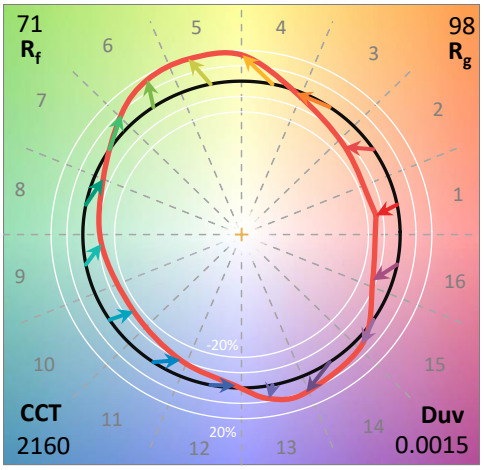
Test Information

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

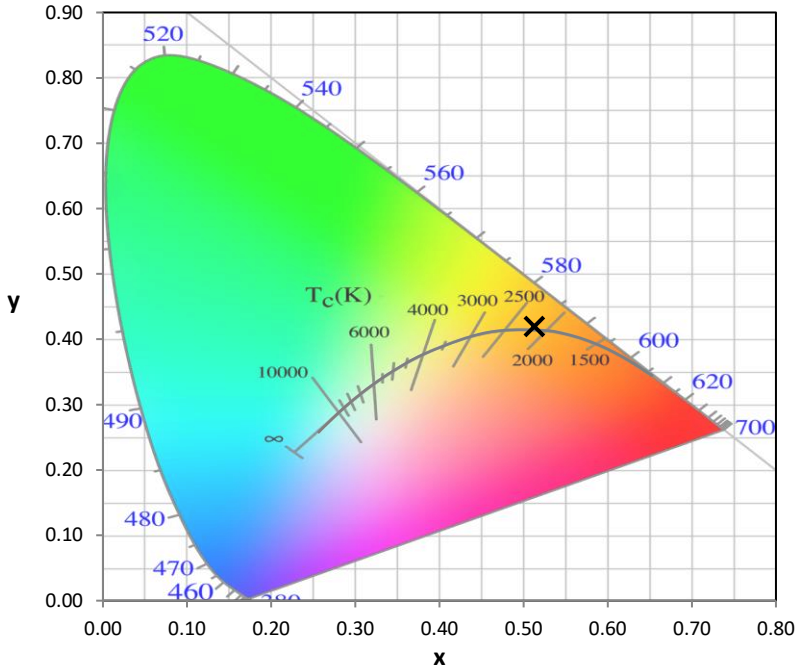
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

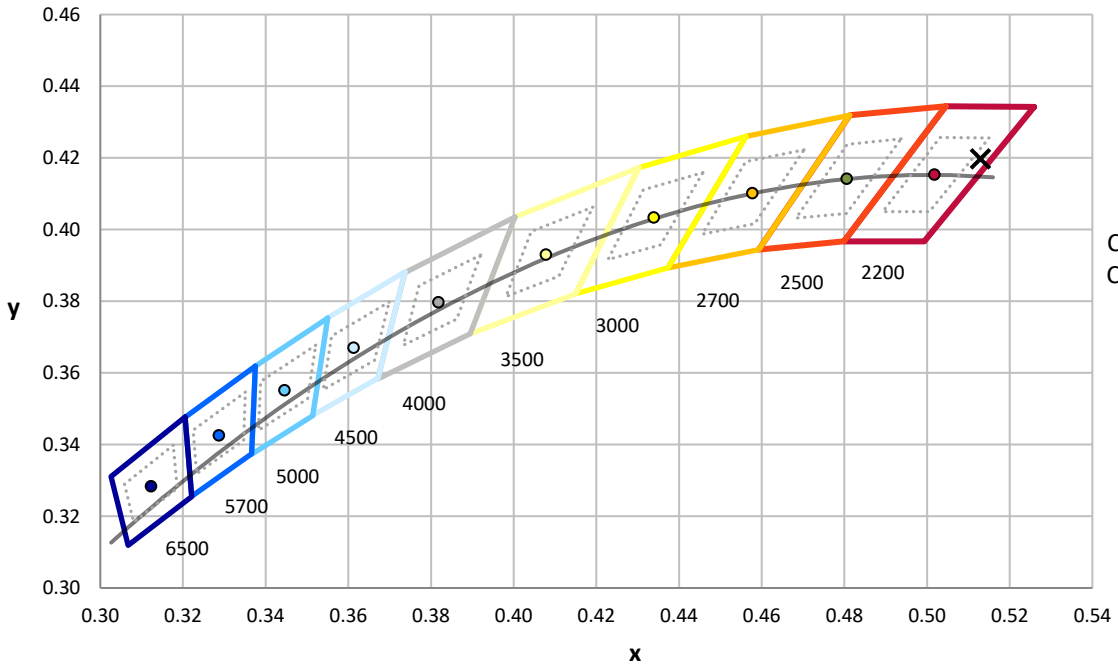
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

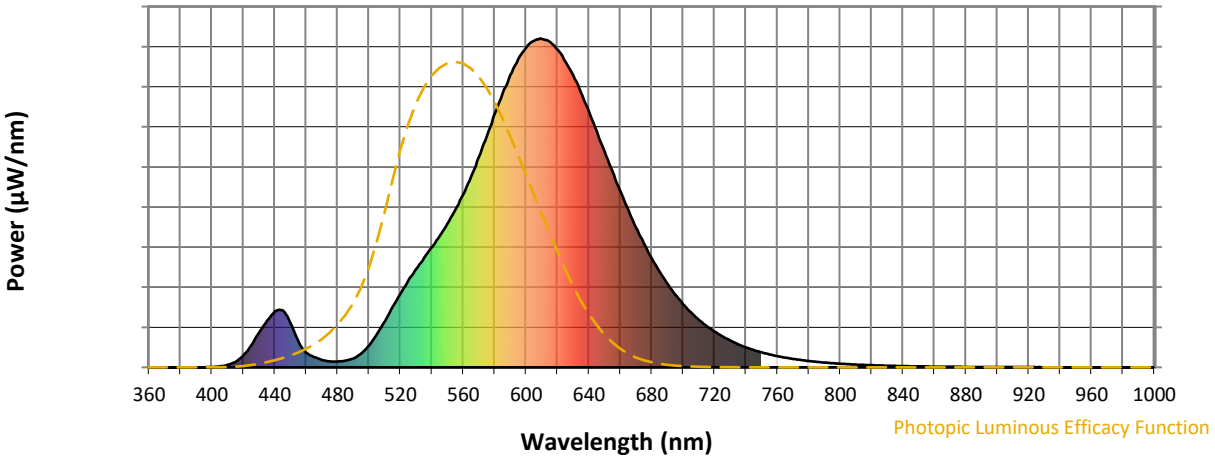


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

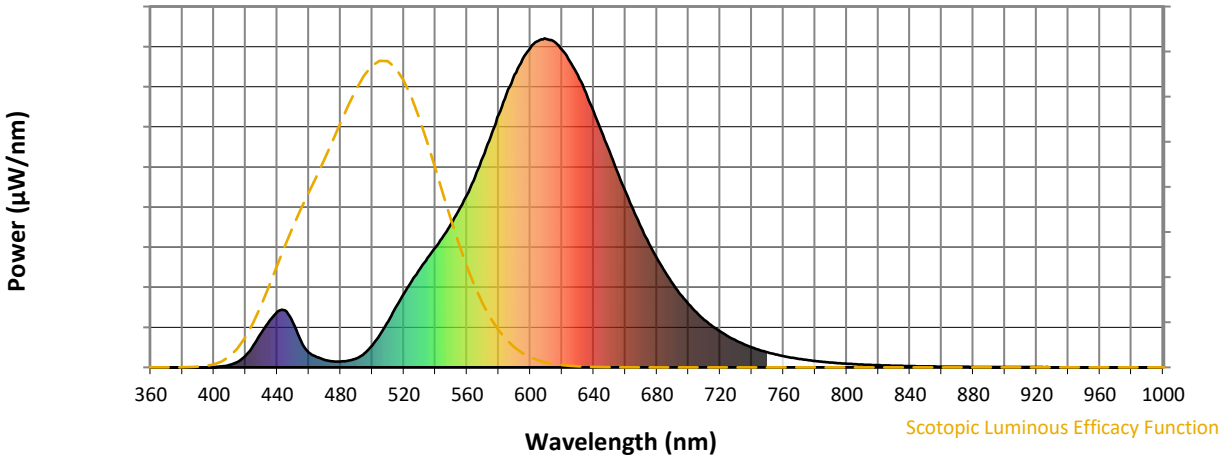


Photopic Lumens: NR

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

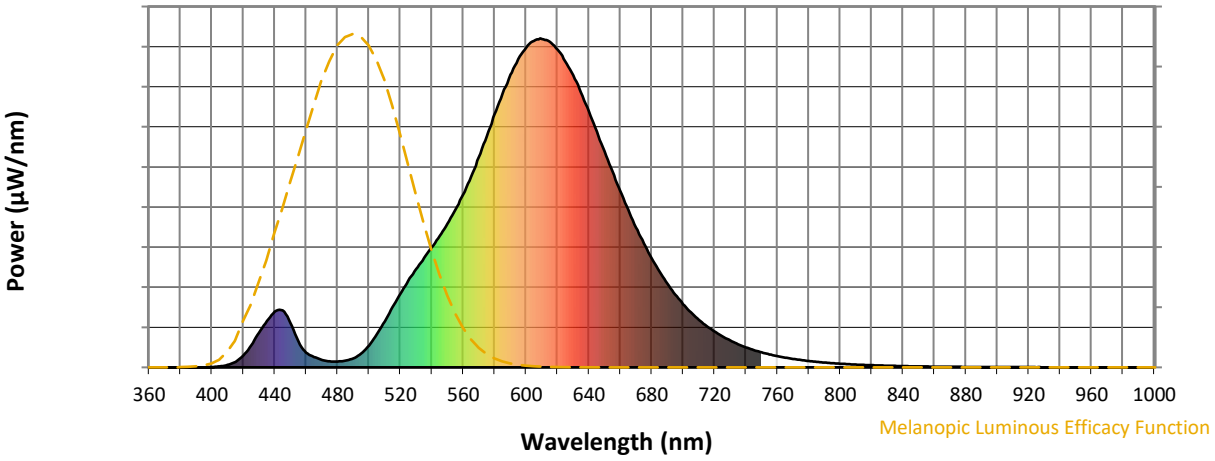


Scotopic Lumens: NR **S/P: 0.8**

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			

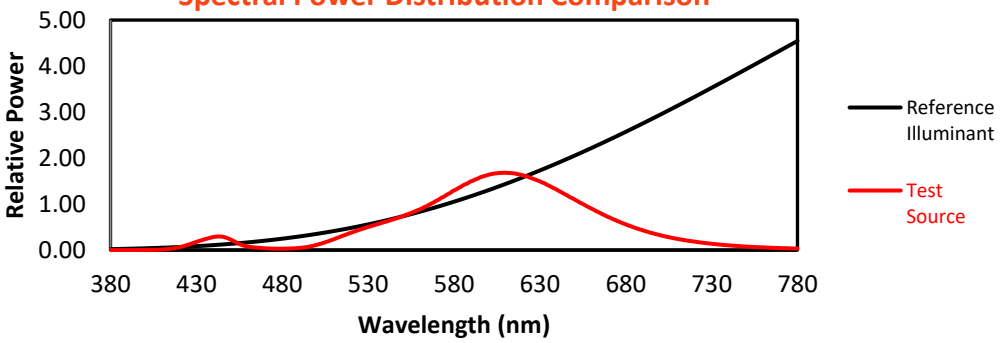
REPORT NUMBER: SP1-2407-184-2

TM-30-18

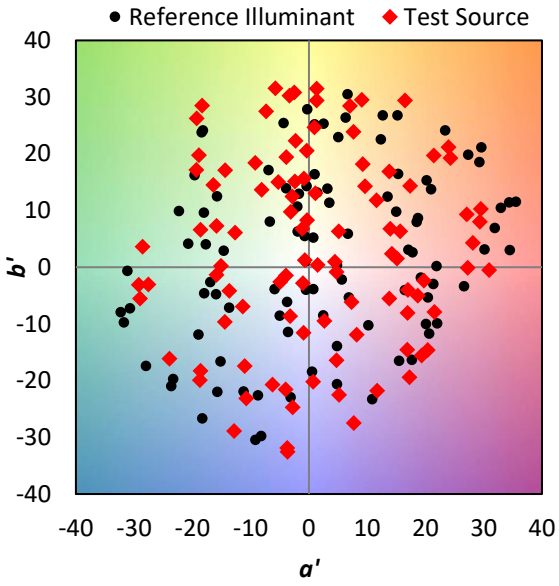
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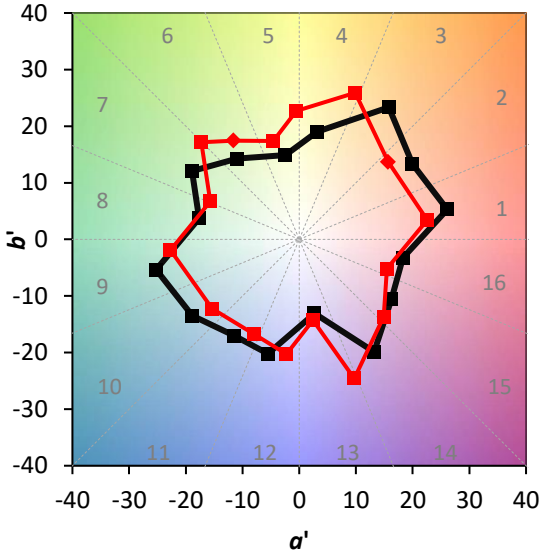
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

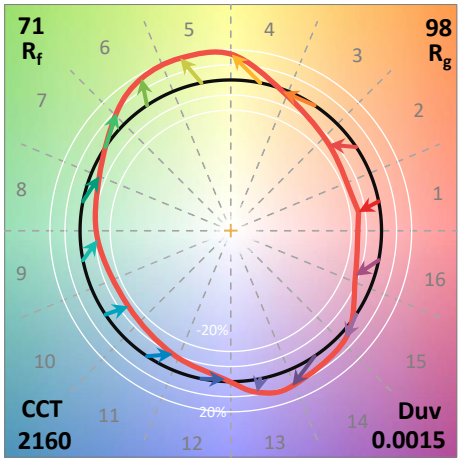
Spectral Power Distribution Comparison

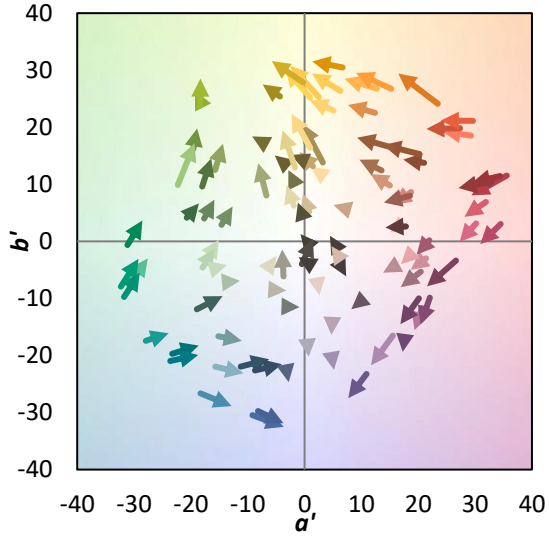


Color Vector Graphics







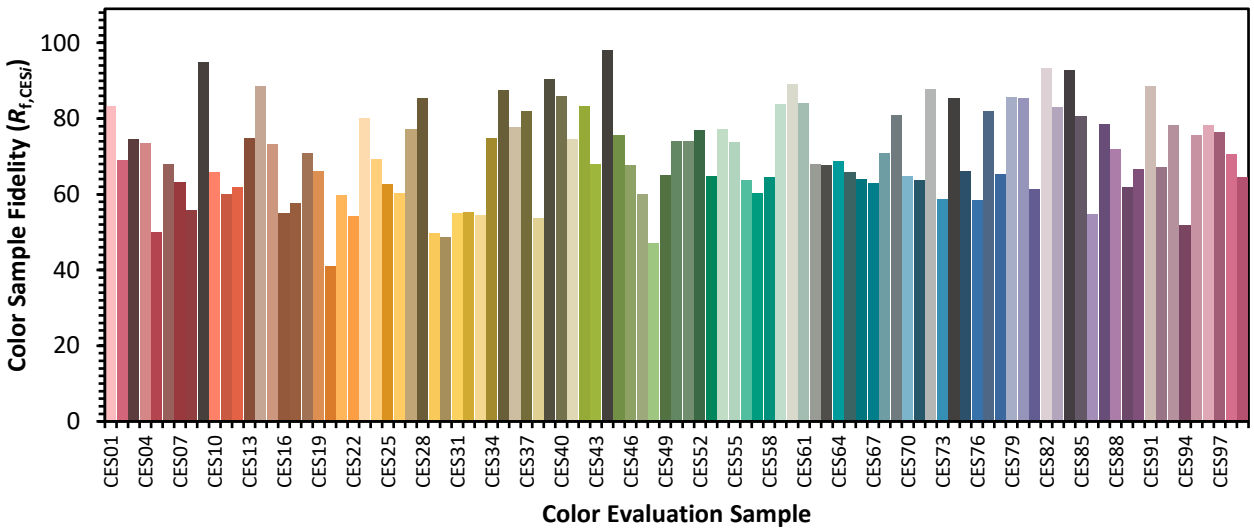


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

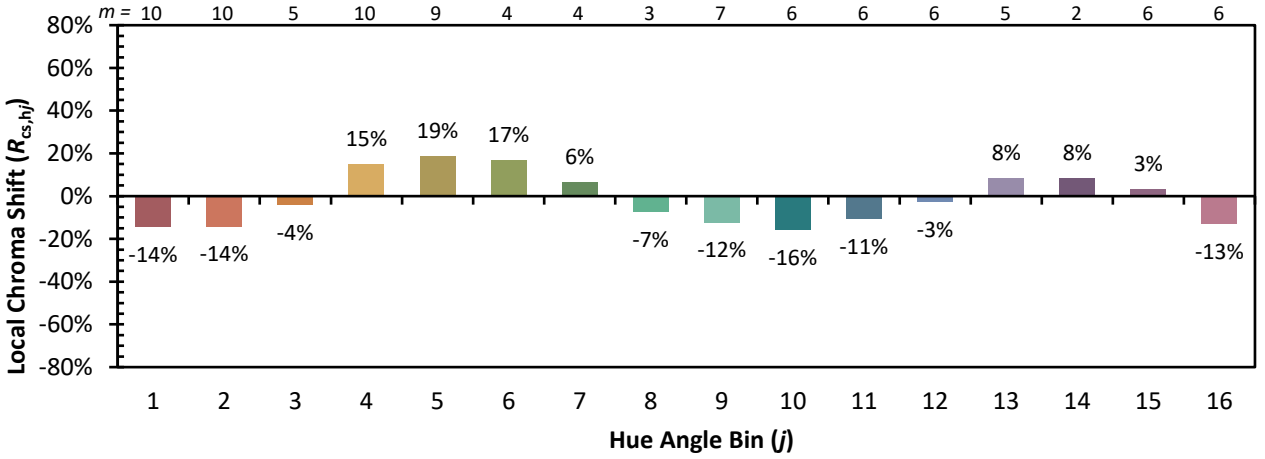
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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

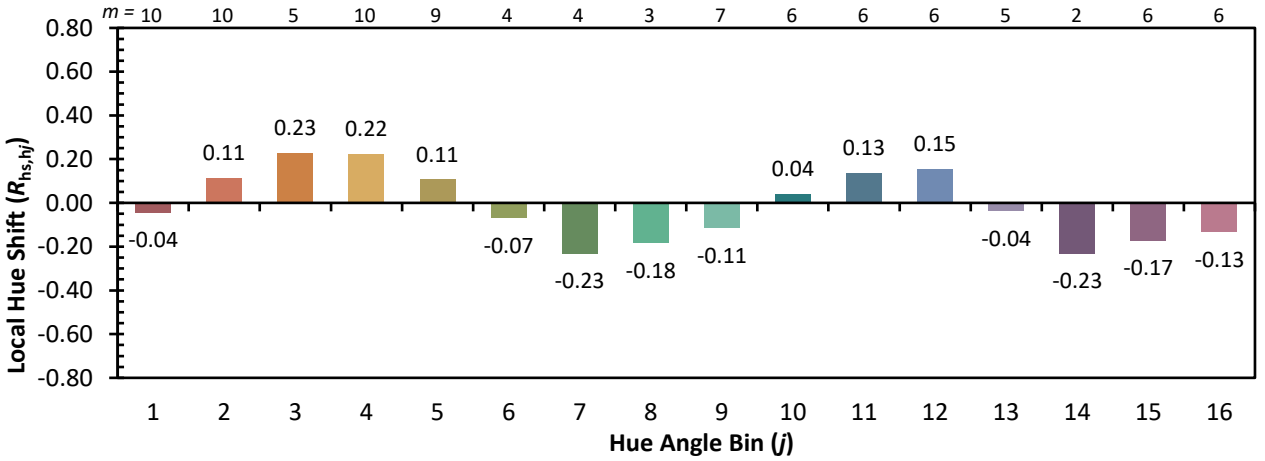


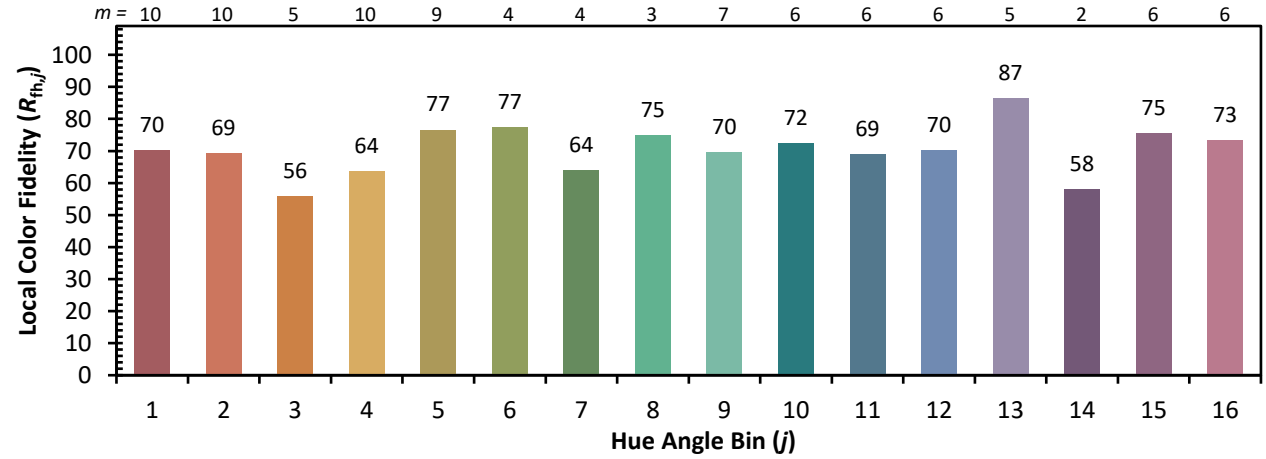
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Color Rendition by Hue-Angle Bin



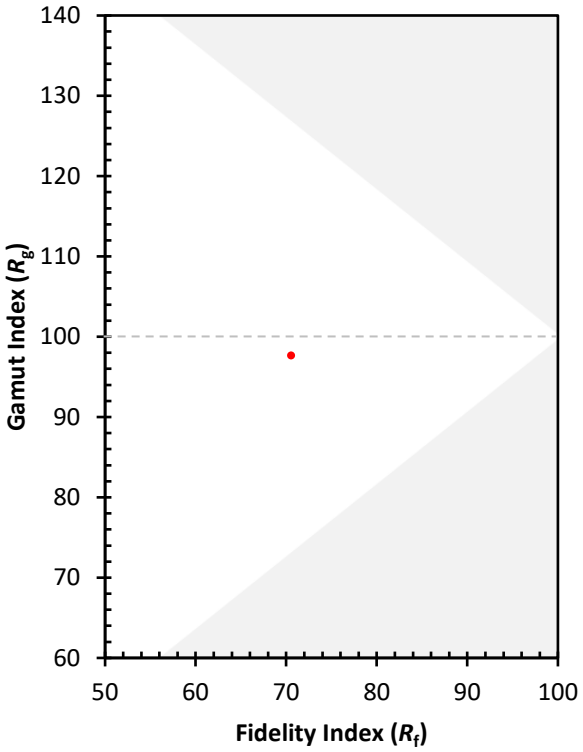


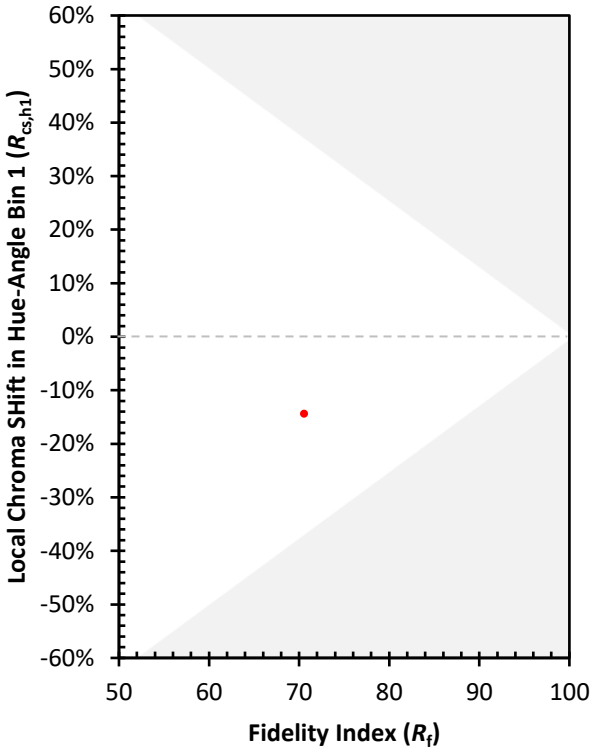


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Measure Comparisons





(END OF REPORT)