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: P1501742

Luminaire Tested: GSS-SB3B-722-U-T2LG-HSS

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:	P1501742
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10577 lumens
Efficiency:	N/A
Efficacy:	97.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

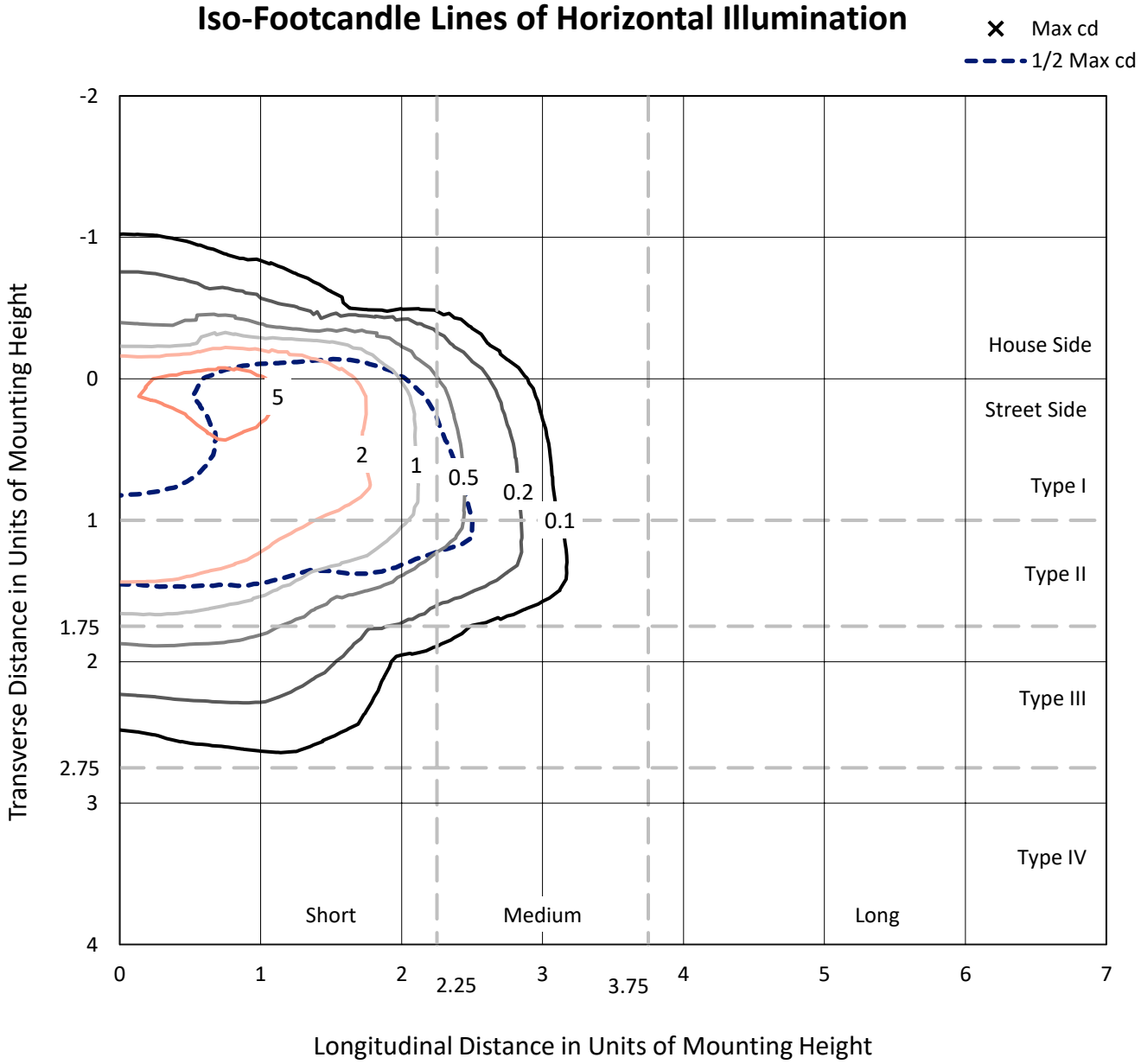
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



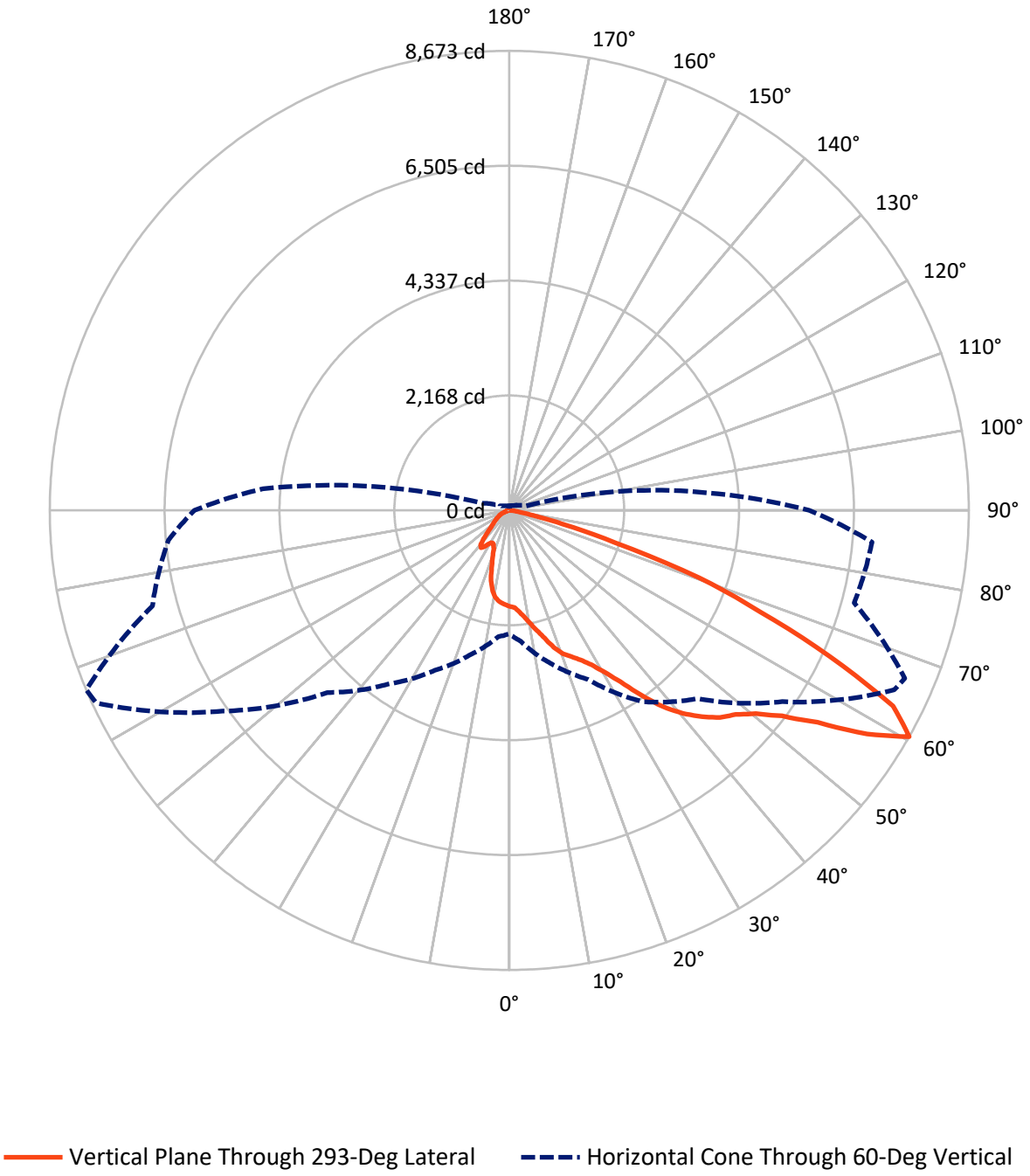
Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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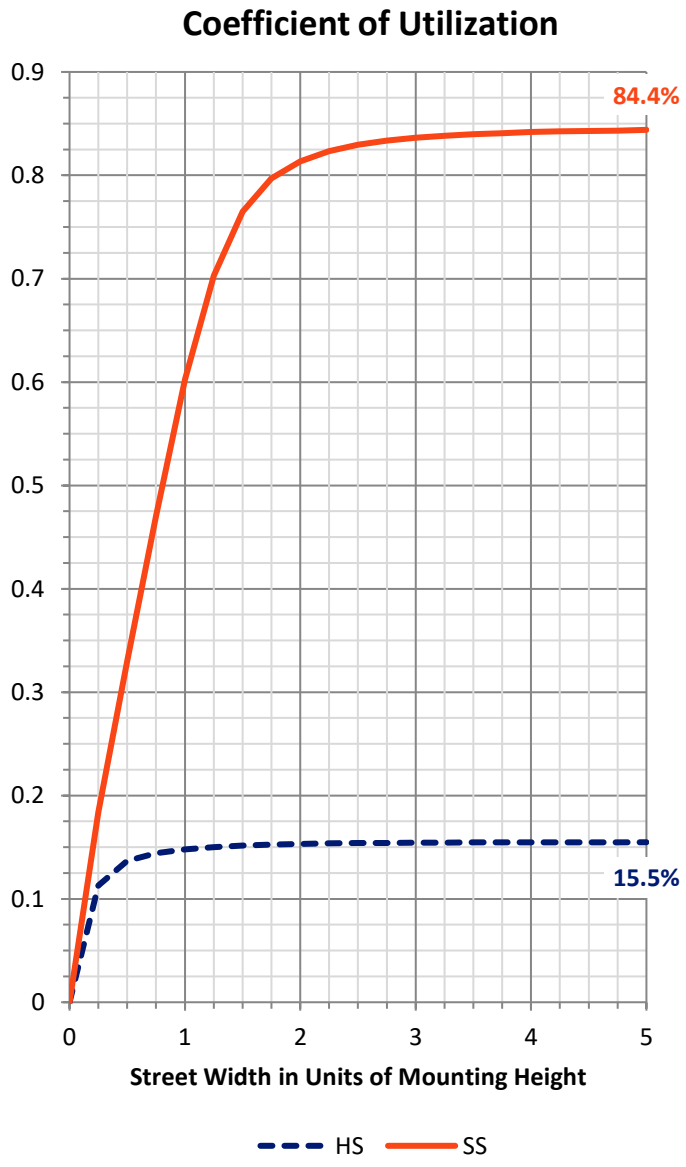
REPORT NUMBER: P1501742
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1650.3	0.0	1650.3
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	8926.7	0.0	8926.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	10577.0	0.0	10577.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.1	1.6
10°-20°	413.4	3.9
20°-30°	771.8	7.3
30°-40°	1530.5	14.5
40°-50°	2440.1	23.1
50°-60°	2915.3	27.6
60°-70°	1911.2	18.1
70°-80°	400.4	3.8
80°-90°	30.3	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°	10577.0	100.0
0°-180°	10577.0	100.0



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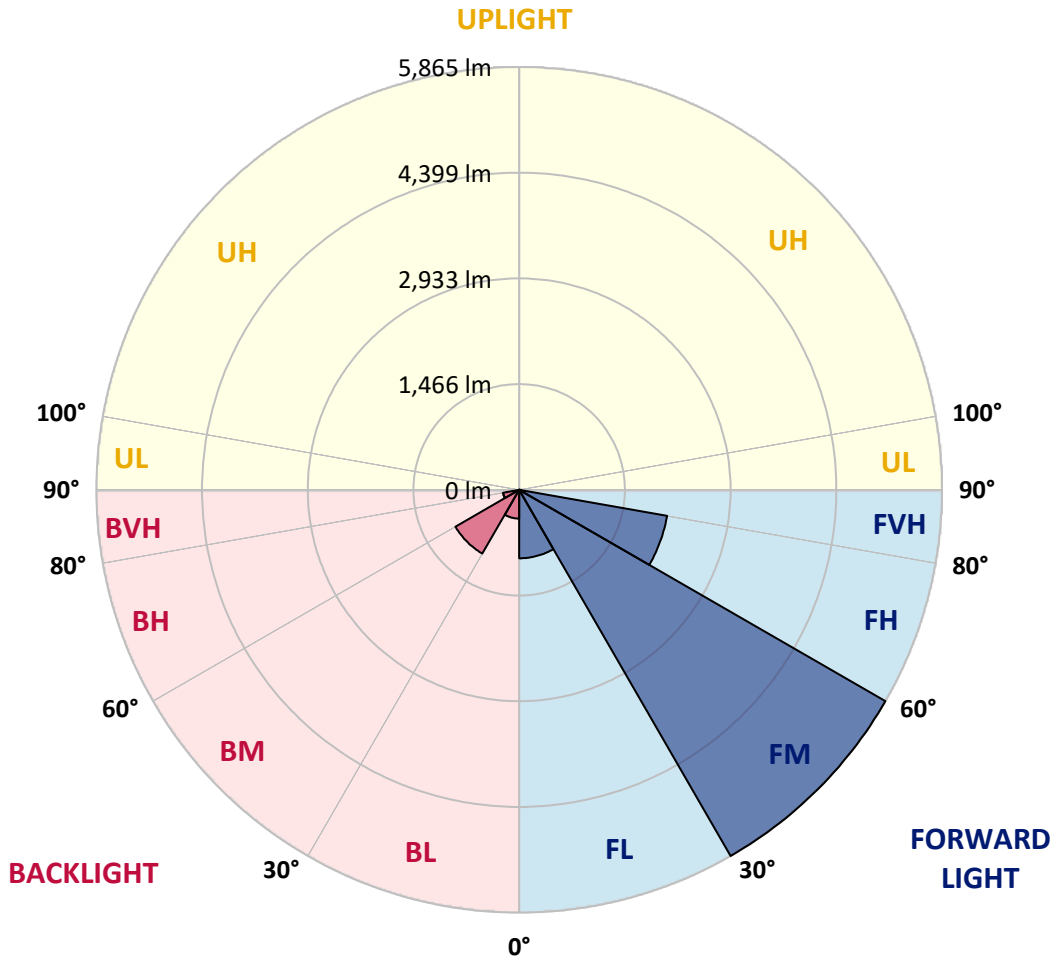
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	950.0	9.0			
FM	(30°-60°)	5865.3	55.5			
FH	(60°-80°)	2083.6	19.7			G2/5000
FVH	(80°-90°)	27.8	0.3			G1/100
BL	(0°-30°)	399.3	3.8	B1/500		
BM	(30°-60°)	1020.5	9.6	B2/2500		
BH	(60°-80°)	228.0	2.2	B1/500		G1/500
BVH	(80°-90°)	2.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1904.6	1898.7	1889.8	1892.8	1889.8	1878.0	1860.2	1845.4	1857.2	1839.4	1827.6
5°	1960.9	1960.9	1955.0	1955.0	1957.9	1952.0	1940.2	1919.4	1922.4	1907.6	1869.1
7.5°	1960.9	1952.0	1966.8	1981.6	2008.3	2023.1	2029.0	2017.2	2023.1	1993.5	1943.1
10°	1845.4	1839.4	1878.0	1934.2	2011.2	2079.4	2123.8	2126.8	2135.7	2106.0	2046.8
12.5°	1599.5	1587.7	1664.7	1771.3	1928.3	2085.3	2209.7	2257.1	2277.8	2266.0	2183.0
15°	1371.4	1386.3	1439.6	1555.1	1765.4	2005.3	2257.1	2414.1	2443.7	2458.5	2360.8
17.5°	1347.7	1350.7	1368.5	1424.8	1584.7	1875.0	2263.0	2577.0	2618.5	2683.6	2550.3
20°	1412.9	1407.0	1424.8	1442.5	1519.5	1759.5	2206.7	2734.0	2814.0	2953.2	2808.0
22.5°	1534.4	1534.4	1543.2	1555.1	1593.6	1750.6	2183.0	2879.1	3015.4	3299.8	3130.9
25°	1738.7	1715.0	1721.0	1706.2	1738.7	1857.2	2236.4	2994.7	3181.3	3684.8	3516.0
27.5°	2055.7	2064.6	2011.2	1931.3	1949.0	2049.8	2366.7	3125.0	3353.1	4084.7	3907.0
30°	2494.1	2479.3	2446.7	2289.7	2218.6	2307.5	2606.6	3338.3	3584.1	4591.2	4428.3
32.5°	2837.7	2879.1	2822.9	2713.3	2603.7	2630.3	2944.3	3681.9	3865.5	5056.3	4967.4
35°	3252.4	3252.4	3264.2	3110.2	3036.1	3030.2	3367.9	4055.1	4238.7	5476.9	5539.1
37.5°	3812.2	3773.7	3708.5	3536.7	3480.4	3554.5	3764.8	4440.2	4638.6	5817.5	5983.4
40°	4283.2	4309.8	4300.9	4052.1	3942.5	4022.5	4209.1	4768.9	4923.0	6036.7	6341.8
42.5°	4745.2	4760.1	4721.5	4603.1	4443.1	4449.0	4603.1	5017.8	5174.7	6247.0	6679.5
45°	5091.8	5088.8	5062.2	5032.6	4937.8	4840.0	4866.7	5293.2	5429.5	6315.1	6863.1
47.5°	5201.4	5225.1	5248.8	5331.7	5396.9	5242.9	5106.6	5441.3	5565.7	6303.3	6931.3
50°	5100.7	5151.0	5266.6	5391.0	5613.1	5601.3	5308.0	5601.3	5722.7	6368.5	7011.2
52.5°	4875.6	4925.9	5080.0	5305.1	5639.8	5805.7	5681.3	5870.8	6013.0	6534.3	7177.1
55°	4351.3	4372.0	4689.0	4985.2	5506.5	5716.8	6081.1	6327.0	6445.5	6735.8	7396.3
57.5°	3542.6	3593.0	3904.0	4386.8	5133.3	5482.8	6309.2	7106.0	7103.1	6928.3	7443.7
60°	*2331.2*	*2479.3*	*2985.8*	*3518.9*	*4410.5*	*5023.7*	*6294.4*	*8018.3*	*8110.2*	*6738.7*	*6872.0*
62.5°	1780.2	1842.4	2129.7	2574.0	3264.2	4164.7	6196.7	8290.8	8361.9	6229.2	6016.0
65°	1338.9	1415.9	1691.3	2088.3	2304.5	2822.9	5556.9	7206.7	7304.5	5559.8	4677.1
67.5°	820.5	882.7	1250.0	1715.0	1744.7	1753.5	3750.0	5459.1	5494.7	4484.6	3148.7
70°	548.0	610.2	864.9	1318.1	1389.2	1010.1	2058.6	4132.1	4129.1	3068.7	1913.5
72.5°	316.9	346.6	548.0	971.6	1093.0	642.8	1027.8	2627.4	2511.8	1442.5	894.5
75°	180.7	201.4	302.1	625.0	767.2	408.8	405.8	1407.0	1244.1	743.5	488.7
77.5°	109.6	118.5	165.9	408.8	462.1	275.5	225.1	654.6	630.9	435.4	257.7
80°	53.3	62.2	100.7	239.9	296.2	148.1	136.3	257.7	275.5	239.9	136.3
82.5°	17.8	23.7	56.3	91.8	192.5	59.2	56.3	142.2	151.1	142.2	65.2
85°	8.9	11.8	26.7	29.6	74.1	29.6	20.7	62.2	77.0	47.4	26.7
87.5°	0.0	3.0	3.0	3.0	3.0	3.0	3.0	5.9	5.9	5.9	5.9
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1818.7	1812.8	1800.9	1780.2	1777.2	1762.4	1738.7	1723.9	1712.1	1721.0	1723.9
5°	1851.3	1836.5	1800.9	1744.7	1685.4	1626.2	1569.9	1504.7	1460.3	1454.4	1442.5
7.5°	1910.5	1880.9	1803.9	1694.3	1543.2	1401.1	1235.2	1075.2	995.3	983.4	956.8
10°	2005.3	1955.0	1827.6	1605.4	1315.2	1019.0	767.2	595.4	497.6	479.9	485.8
12.5°	2117.9	2046.8	1830.6	1454.4	1001.2	630.9	435.4	370.3	349.5	340.6	340.6
15°	2263.0	2159.4	1827.6	1258.9	675.4	405.8	349.5	322.9	314.0	308.1	308.1
17.5°	2446.7	2310.4	1806.9	965.6	456.2	352.5	319.9	299.2	287.3	284.4	284.4
20°	2662.9	2479.3	1759.5	719.8	382.1	328.8	302.1	275.5	266.6	260.7	260.7
22.5°	2938.4	2683.6	1667.6	559.8	361.4	314.0	284.4	254.7	245.9	239.9	239.9
25°	3258.3	2944.3	1546.2	503.6	358.4	302.1	266.6	237.0	228.1	225.1	222.2
27.5°	3637.4	3222.7	1433.6	506.5	364.3	293.2	248.8	222.2	213.3	204.4	207.3
30°	4084.7	3510.1	1341.8	542.1	370.3	284.4	237.0	213.3	204.4	192.5	192.5
32.5°	4526.1	3847.7	1332.9	607.2	391.0	278.4	225.1	201.4	192.5	183.6	183.6
35°	4979.2	4155.8	1383.3	693.1	432.5	269.5	210.3	189.6	180.7	174.8	171.8
37.5°	5411.7	4401.6	1430.7	746.4	408.8	231.0	192.5	174.8	165.9	154.0	154.0
40°	5699.0	4534.9	1439.6	705.0	337.7	207.3	174.8	157.0	145.1	139.2	136.3
42.5°	5909.3	4620.8	1338.9	571.7	293.2	189.6	160.0	142.2	133.3	127.4	127.4
45°	5995.2	4591.2	1167.1	435.4	269.5	174.8	145.1	130.3	124.4	118.5	118.5
47.5°	5983.4	4455.0	992.3	349.5	245.9	160.0	136.3	124.4	118.5	112.6	109.6
50°	5962.7	4327.6	814.6	311.0	219.2	151.1	127.4	118.5	109.6	103.7	100.7
52.5°	6098.9	4286.1	675.4	284.4	204.4	145.1	124.4	112.6	103.7	97.7	97.7
55°	6235.2	4303.9	530.2	266.6	189.6	142.2	121.4	109.6	100.7	91.8	91.8
57.5°	6226.3	4226.9	402.8	248.8	177.7	139.2	118.5	106.6	91.8	85.9	85.9
60°	*5660.5*	*3770.7*	*314.0*	*228.1*	*162.9*	*130.3*	*109.6*	*100.7*	*85.9*	*77.0*	*77.0*
62.5°	4786.7	2965.0	257.7	201.4	145.1	118.5	100.7	91.8	77.0	62.2	62.2
65°	3536.7	2138.6	207.3	174.8	133.3	103.7	91.8	80.0	62.2	50.4	47.4
67.5°	2393.4	1315.2	165.9	145.1	118.5	88.9	77.0	68.1	56.3	41.5	38.5
70°	1418.8	699.0	121.4	100.7	88.9	65.2	65.2	59.2	47.4	35.5	32.6
72.5°	675.4	242.9	88.9	74.1	68.1	47.4	50.4	50.4	38.5	26.7	23.7
75°	343.6	118.5	59.2	53.3	44.4	35.5	41.5	38.5	26.7	17.8	17.8
77.5°	195.5	82.9	41.5	35.5	29.6	23.7	26.7	23.7	14.8	8.9	8.9
80°	109.6	59.2	26.7	23.7	17.8	14.8	14.8	11.8	8.9	3.0	3.0
82.5°	41.5	35.5	17.8	11.8	8.9	8.9	5.9	5.9	3.0	0.0	0.0
85°	17.8	8.9	8.9	5.9	5.9	3.0	3.0	3.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	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°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1700.2	1706.2	1712.1	1735.8	1741.7	1759.5	1774.3	1792.1	1795.0	1818.7	1818.7
5°	1466.2	1463.3	1513.6	1587.7	1635.1	1700.2	1750.6	1803.9	1833.5	1872.0	1889.8
7.5°	971.6	1045.6	1158.2	1288.5	1457.3	1614.3	1732.8	1836.5	1907.6	1952.0	1969.8
10°	482.8	524.3	642.8	856.0	1143.4	1463.3	1715.0	1907.6	2023.1	2073.5	2106.0
12.5°	340.6	349.5	370.3	485.8	761.3	1214.5	1658.8	1984.6	2144.5	2239.3	2280.8
15°	305.1	311.0	319.9	352.5	471.0	906.4	1558.1	2070.5	2334.1	2443.7	2497.0
17.5°	281.4	284.4	293.2	319.9	370.3	616.1	1395.1	2162.3	2562.2	2695.5	2796.2
20°	260.7	260.7	269.5	302.1	343.6	473.9	1161.1	2266.0	2852.5	3045.0	3145.7
22.5°	237.0	242.9	248.8	284.4	334.7	432.5	941.9	2346.0	3175.3	3409.3	3527.8
25°	219.2	225.1	231.0	266.6	325.8	432.5	814.6	2396.3	3536.7	3815.2	3978.1
27.5°	204.4	210.3	219.2	254.7	316.9	450.2	764.2	2411.1	3930.7	4292.0	4511.2
30°	192.5	198.5	207.3	245.9	322.9	471.0	782.0	2390.4	4330.6	4783.8	5044.4
32.5°	180.7	186.6	195.5	237.0	322.9	497.6	841.2	2348.9	4718.6	5275.5	5595.4
35°	171.8	174.8	177.7	213.3	293.2	494.7	915.3	2307.5	5109.6	5761.2	6134.5
37.5°	154.0	157.0	162.9	183.6	234.0	450.2	930.1	2257.1	5417.6	6170.0	6581.7
40°	136.3	142.2	148.1	168.8	195.5	364.3	864.9	2150.5	5580.6	6484.0	6984.6
42.5°	124.4	127.4	133.3	154.0	180.7	290.3	725.7	1963.9	5725.7	6697.3	7277.8
45°	115.5	118.5	124.4	139.2	168.8	251.8	571.7	1735.8	5737.5	6765.4	7420.0
47.5°	106.6	109.6	112.6	127.4	162.9	225.1	438.4	1528.4	5734.6	6854.2	7541.4
50°	100.7	103.7	109.6	121.4	154.0	201.4	361.4	1359.6	5859.0	7046.8	7787.3
52.5°	97.7	97.7	106.6	118.5	145.1	183.6	302.1	1208.5	5924.2	7236.4	7965.0
55°	91.8	94.8	100.7	112.6	136.3	174.8	257.7	1019.0	5953.8	7331.1	7997.6
57.5°	85.9	88.9	97.7	106.6	130.3	165.9	222.2	761.3	5530.2	6836.5	7452.6
60°	*77.0*	*82.9*	*94.8*	*103.7*	*121.4*	*151.1*	*195.5*	*515.4*	*4665.3*	*5941.9*	*6457.3*
62.5°	62.2	74.1	85.9	91.8	109.6	127.4	165.9	343.6	3726.3	4917.0	5503.5
65°	47.4	62.2	71.1	80.0	91.8	106.6	139.2	234.0	2485.2	3308.6	3969.2
67.5°	41.5	53.3	59.2	65.2	77.0	91.8	112.6	162.9	1507.7	1987.6	2639.2
70°	32.6	44.4	50.4	47.4	59.2	71.1	80.0	109.6	770.1	1078.2	1501.8
72.5°	23.7	35.5	38.5	38.5	35.5	50.4	59.2	77.0	334.7	524.3	681.3
75°	17.8	23.7	26.7	23.7	20.7	32.6	41.5	50.4	219.2	314.0	396.9
77.5°	8.9	8.9	14.8	14.8	8.9	17.8	20.7	29.6	124.4	183.6	228.1
80°	3.0	0.0	0.0	3.0	0.0	5.9	8.9	14.8	65.2	97.7	142.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	32.6	29.6	74.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	17.8
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: P1501742
CATALOG NUMBER: GSS-SB3B-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1812.8	*1812.8*	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1833.5	*1833.5*	1845.4	1863.1	1872.0	1878.0	1880.9	1886.8	1910.5	1904.6
5°	1910.5	*1916.5*	1925.3	1943.1	1963.9	1957.9	1957.9	1957.9	1972.7	1960.9
7.5°	2011.2	*2029.0*	2032.0	2052.7	2037.9	2008.3	1990.5	1963.9	1960.9	1960.9
10°	2174.2	*2168.2*	2168.2	2141.6	2088.3	2002.4	1925.3	1872.0	1842.4	1845.4
12.5°	2348.9	*2325.2*	2328.2	2230.4	2079.4	1889.8	1732.8	1617.3	1608.4	1599.5
15°	2565.2	*2503.0*	2491.1	2266.0	1946.1	1655.8	1501.8	1409.9	1380.3	1371.4
17.5°	2873.2	*2716.2*	2659.9	2203.8	1771.3	1510.7	1395.1	1353.7	1350.7	1347.7
20°	3199.0	*2888.0*	2781.4	2112.0	1712.1	1513.6	1427.7	1415.9	1409.9	1412.9
22.5°	3578.2	*2997.6*	2861.4	2126.8	1765.4	1611.4	1543.2	1534.4	1528.4	1534.4
25°	3969.2	*3125.0*	2956.2	2245.3	1925.3	1792.1	1712.1	1694.3	1712.1	1738.7
27.5°	4363.1	*3296.8*	3142.8	2479.3	2183.0	2037.9	1960.9	2026.1	2052.7	2055.7
30°	4712.7	*3536.7*	3394.5	2808.0	2476.3	2331.2	2346.0	2428.9	2461.5	2494.1
32.5°	5032.6	*3856.6*	3747.0	3181.3	2855.4	2769.5	2760.7	2822.9	2858.4	2837.7
35°	5355.4	*4274.3*	4167.6	3587.1	3320.5	3249.4	3175.3	3296.8	3284.9	3252.4
37.5°	5660.5	*4694.9*	4597.1	4022.5	3747.0	3622.6	3610.8	3720.4	3818.1	3812.2
40°	5879.7	*5035.5*	4917.0	4455.0	4194.3	4087.7	4149.9	4339.4	4315.7	4283.2
42.5°	6081.1	*5325.8*	5219.2	4834.1	4561.6	4609.0	4665.3	4792.6	4777.8	4745.2
45°	6175.9	*5574.6*	5482.8	5121.4	4988.1	5139.2	5136.2	5183.6	5103.7	5091.8
47.5°	6309.2	*5752.4*	5657.6	5379.1	5497.6	5559.8	5385.1	5334.7	5260.6	5201.4
50°	6555.1	*6027.8*	5933.0	5770.1	5870.8	5678.3	5465.0	5355.4	5204.4	5100.7
52.5°	6842.4	*6445.5*	6362.5	6297.4	6016.0	5619.1	5346.5	5148.1	4964.4	4875.6
55°	7203.8	*7061.6*	7002.3	6643.9	5885.6	5376.2	5056.3	4686.0	4434.2	4351.3
57.5°	7322.3	*7965.0*	7944.3	6700.2	5521.3	4934.8	4357.2	3856.6	3596.0	3542.6
60°	*6972.7*	*8673.0*	*8598.9*	*6605.4*	*4860.8*	*4004.7*	*3329.4*	*2816.9*	*2393.4*	*2331.2*
62.5°	6525.5	*8130.9*	8104.2	6128.5	3702.6	2870.3	2488.1	2008.3	1827.6	1780.2
65°	5589.4	*6652.8*	6664.7	4917.0	2343.0	2061.6	2043.8	1596.6	1374.4	1338.9
67.5°	4303.9	*5103.7*	5020.7	3092.4	1365.5	1649.9	1632.1	1167.1	844.2	820.5
70°	2514.8	*3800.3*	3667.0	1608.4	903.4	1377.4	1255.9	820.5	574.6	548.0
72.5°	1110.8	*2091.2*	2245.3	707.9	636.8	1096.0	906.4	503.6	322.9	316.9
75°	616.1	*1036.7*	1084.1	308.1	447.3	779.0	548.0	281.4	183.6	180.7
77.5°	370.3	*459.1*	447.3	198.5	334.7	497.6	331.8	160.0	115.5	109.6
80°	207.3	*210.3*	177.7	145.1	198.5	278.4	186.6	100.7	53.3	53.3
82.5°	127.4	*115.5*	91.8	44.4	53.3	168.8	68.1	56.3	17.8	17.8
85°	53.3	*35.5*	23.7	8.9	20.7	44.4	23.7	26.7	8.9	8.9
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

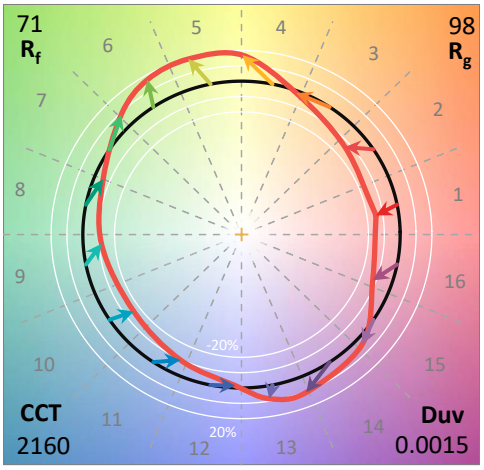
Test Information

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

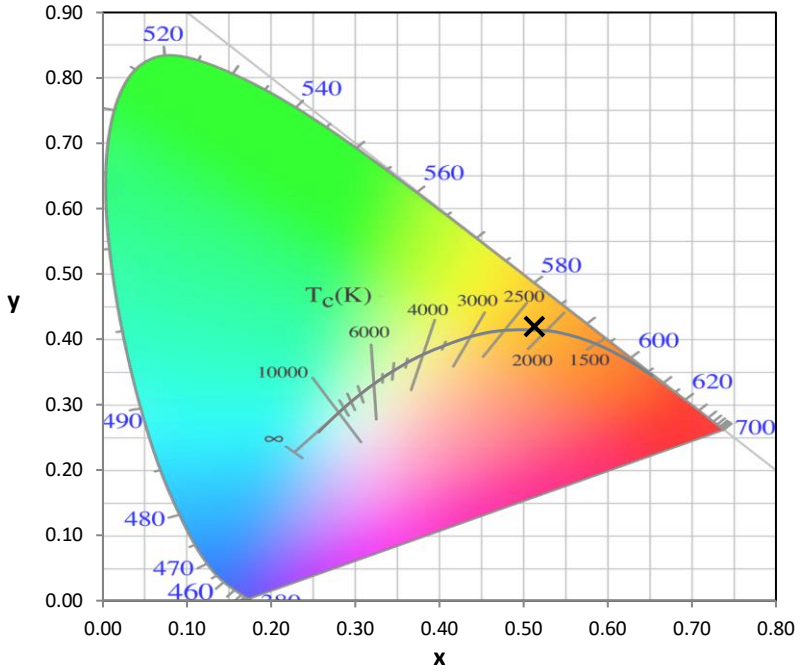
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

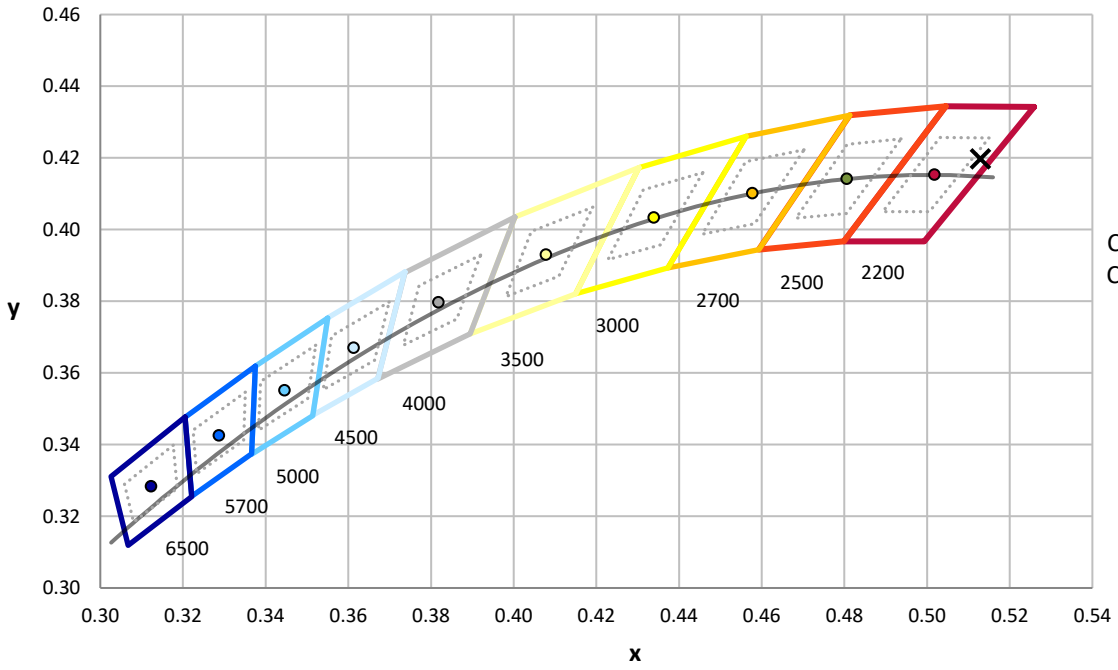
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

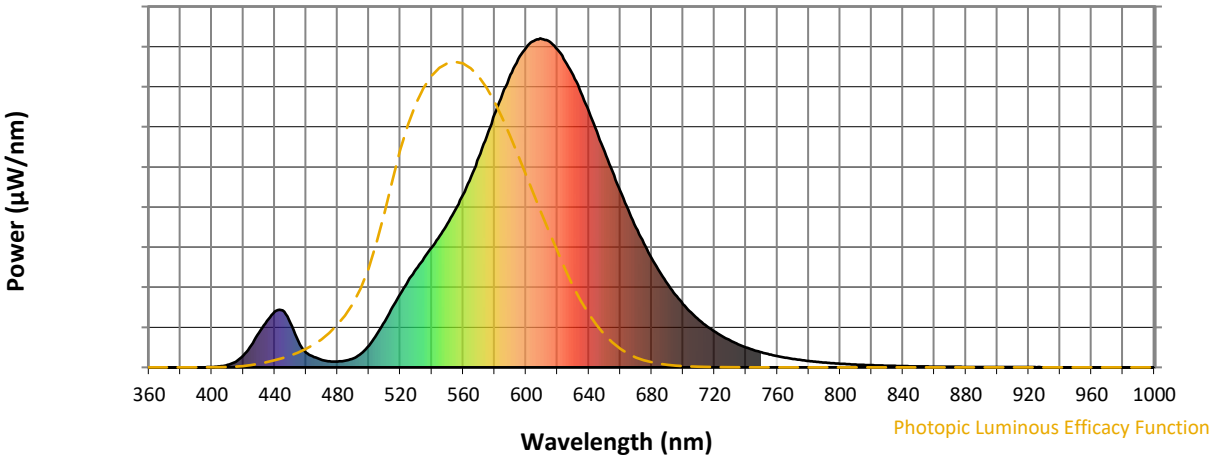


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

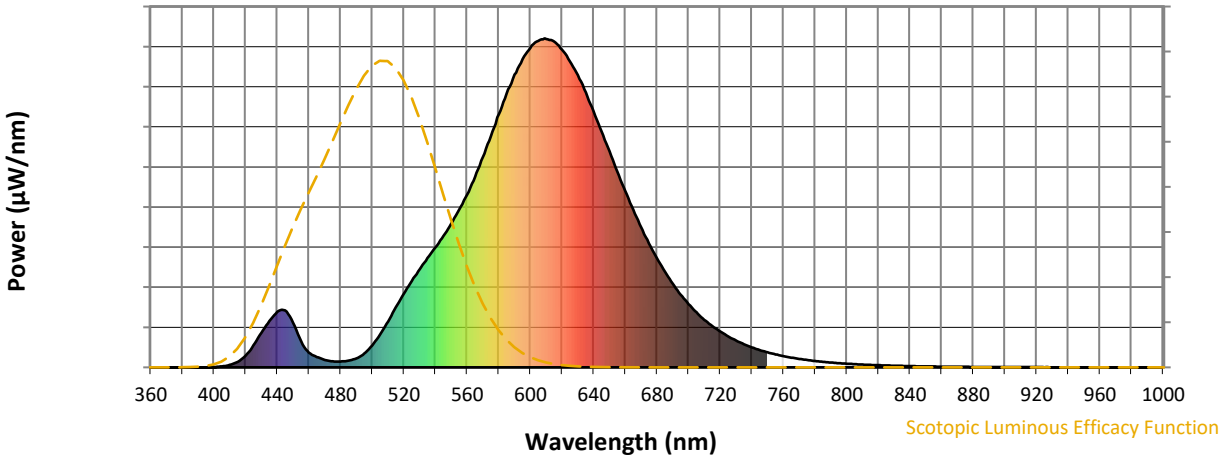


Photopic Lumens: NR

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

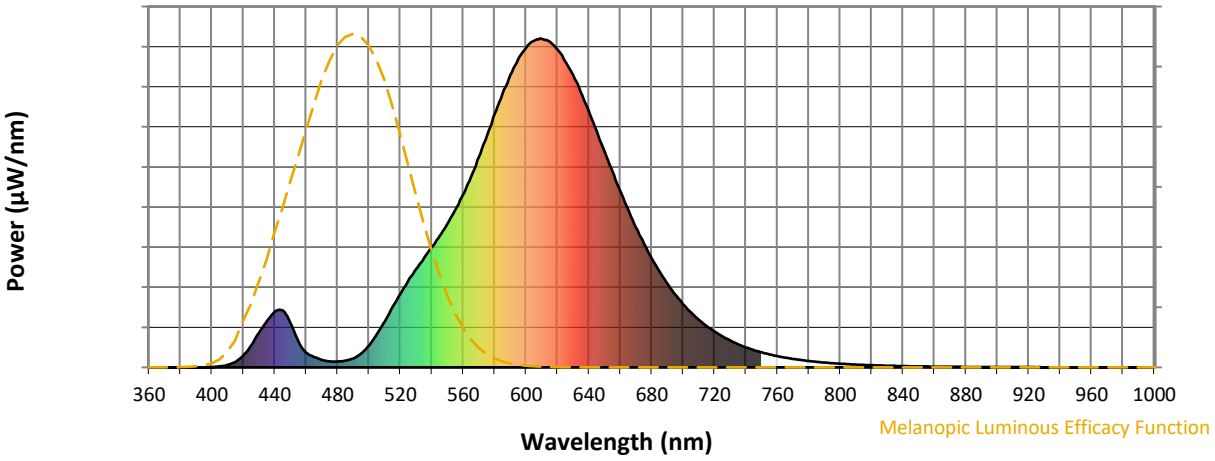


Scotopic Lumens: NR **S/P: 0.8**

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			

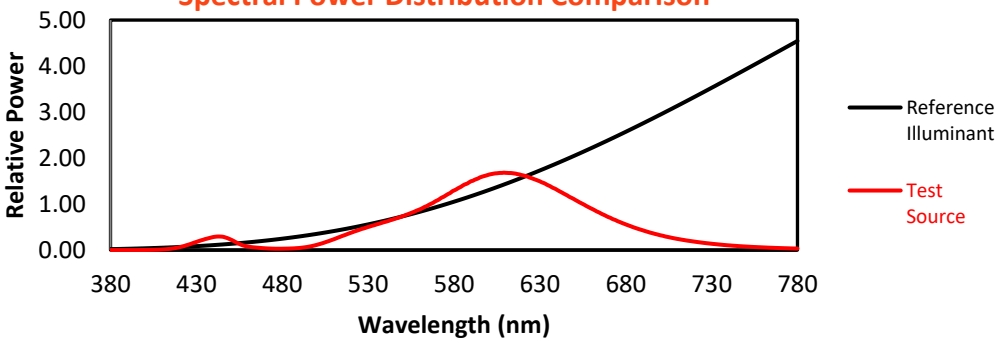
REPORT NUMBER: SP1-2407-184-2

TM-30-18

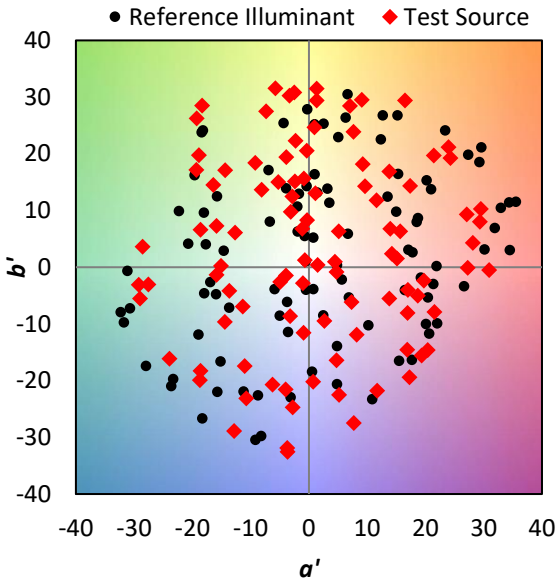
Summary

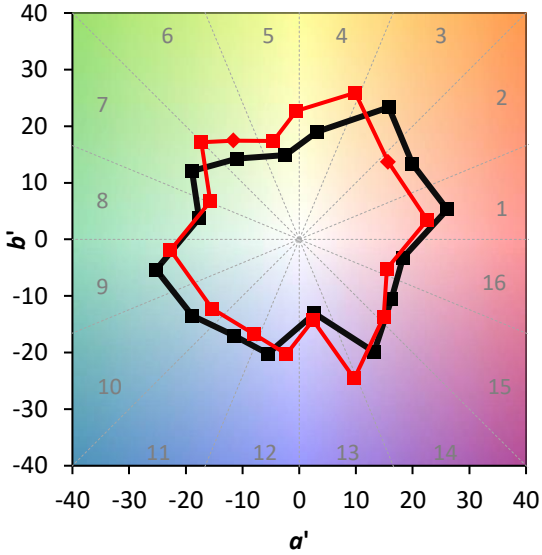
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

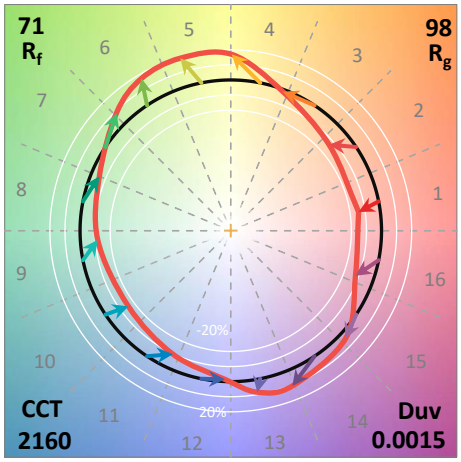
Spectral Power Distribution Comparison

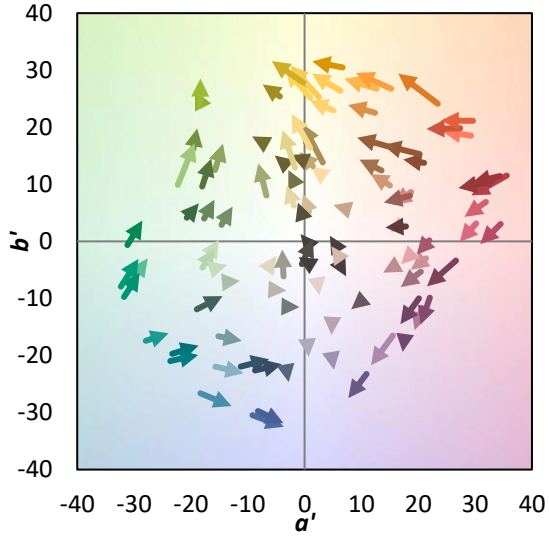


Color Vector Graphics







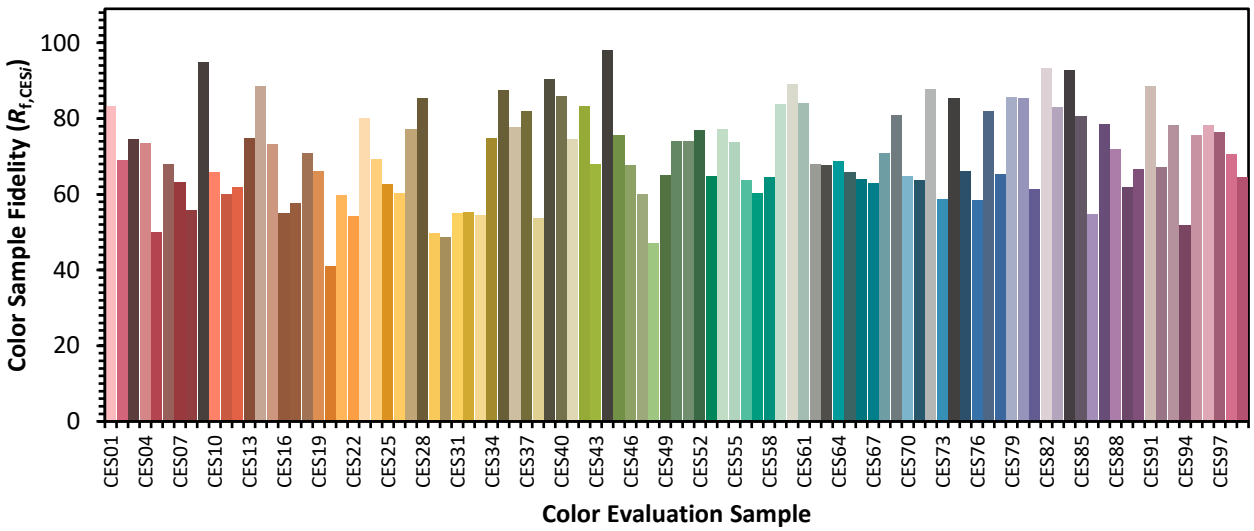


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

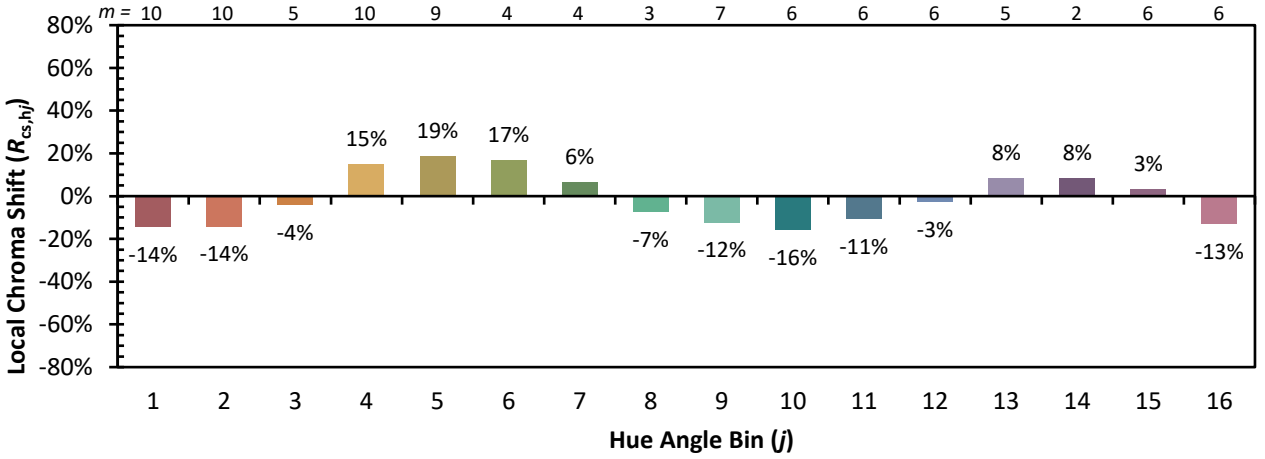
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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

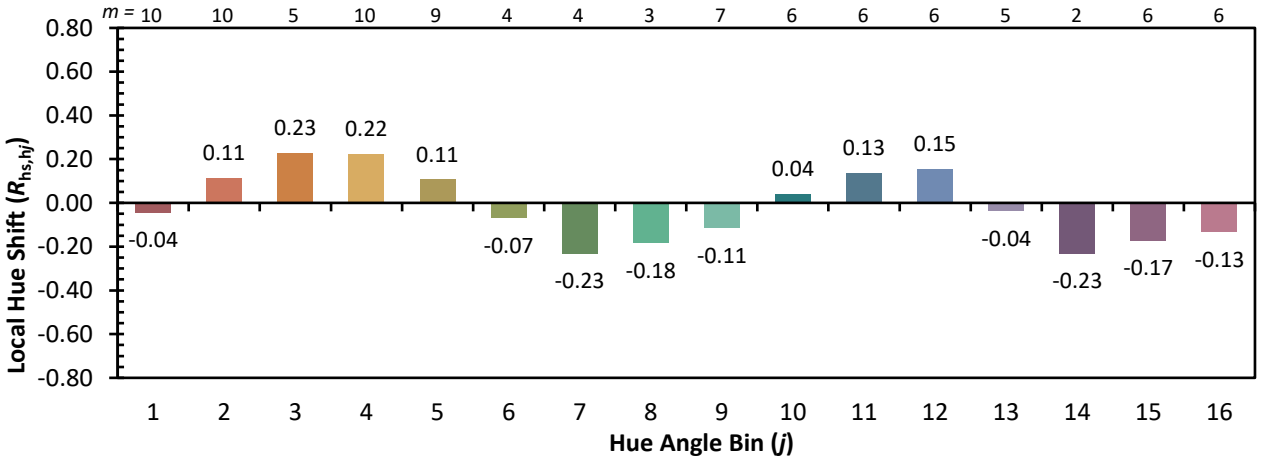


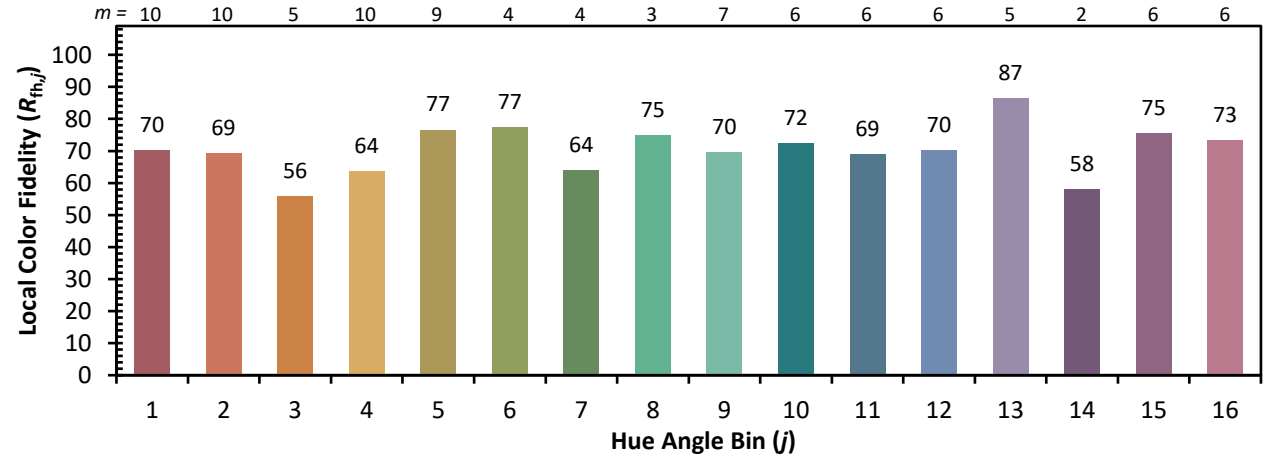
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Color Rendition by Hue-Angle Bin



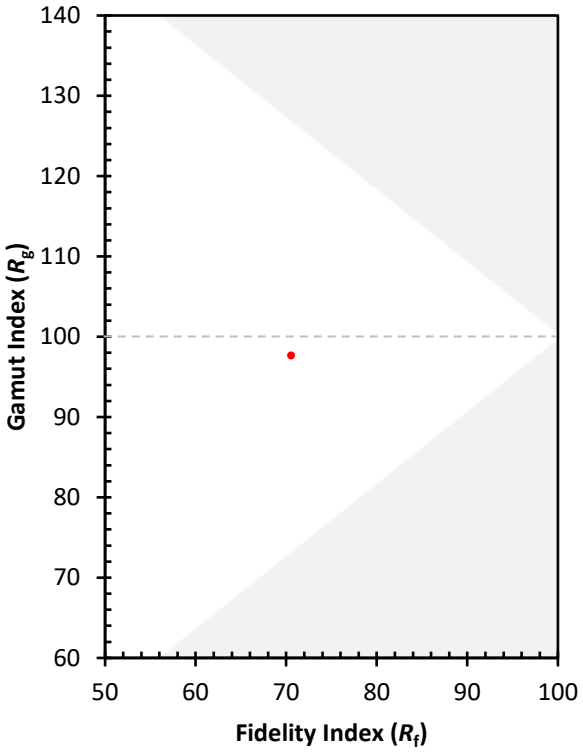


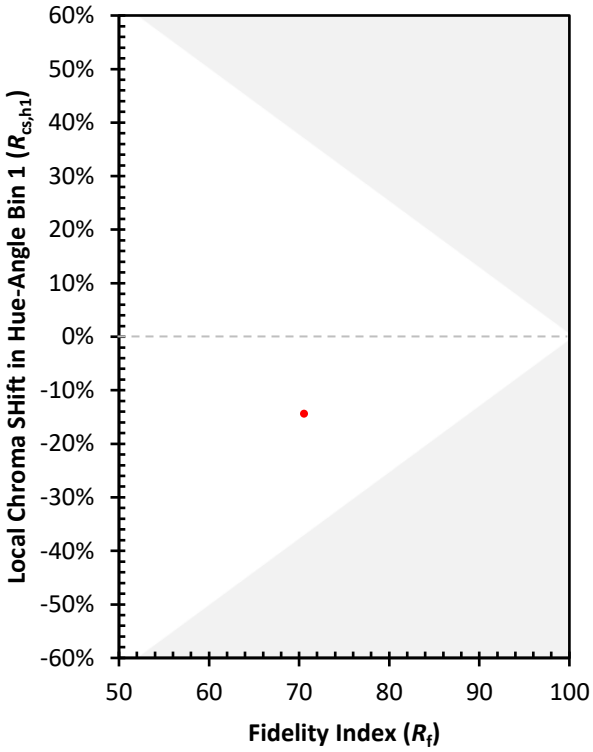


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Measure Comparisons





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