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: P1501359

Luminaire Tested: GSS-SB3C-722-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501359
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17137.4 lumens
Efficiency:	N/A
Efficacy:	114.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

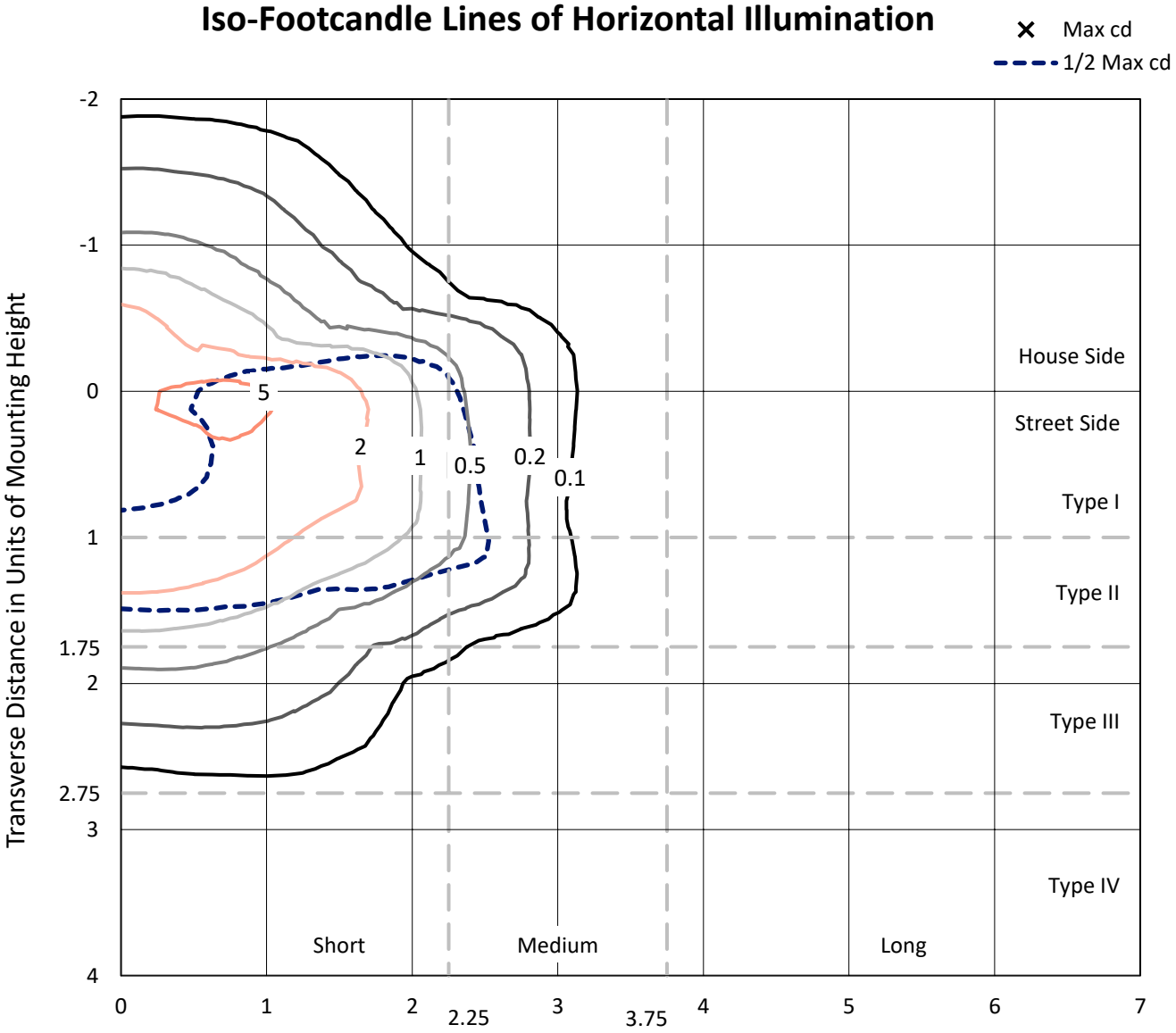
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



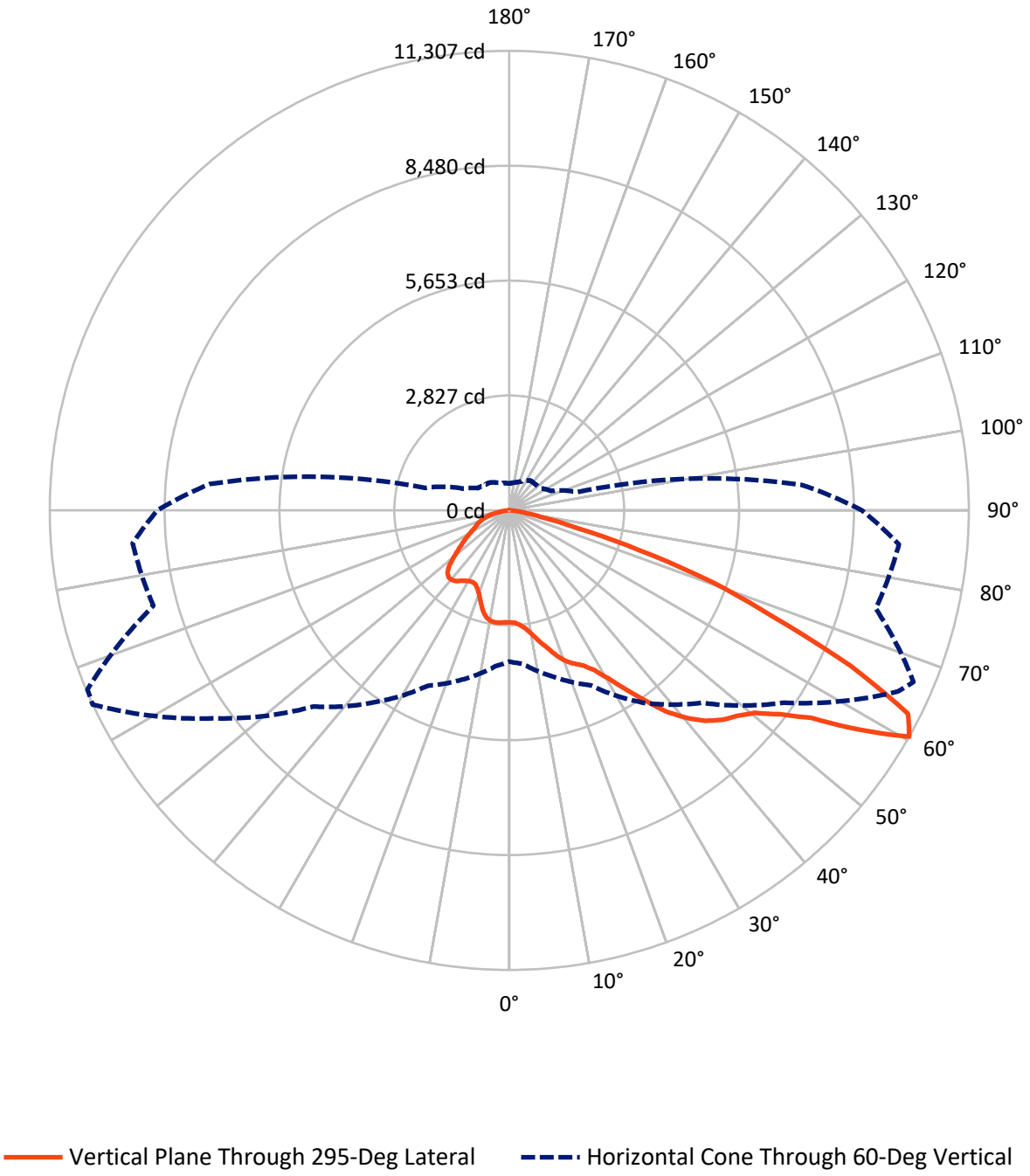
Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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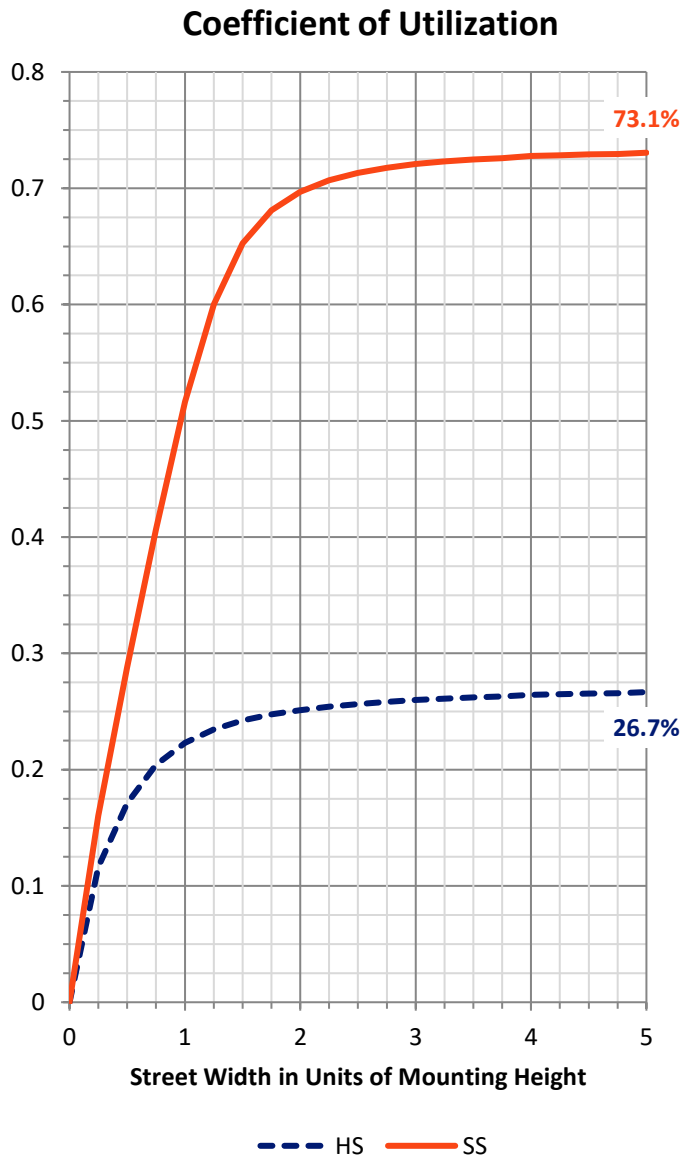
REPORT NUMBER: P1501359
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4608.5	0.0	4608.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	12529.0	0.0	12529.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	17137.4	0.0	17137.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	1.5
10°-20°	745.3	4.3
20°-30°	1411.7	8.2
30°-40°	2488.7	14.5
40°-50°	3680.5	21.5
50°-60°	4321.9	25.2
60°-70°	3131.4	18.3
70°-80°	965.7	5.6
80°-90°	132.9	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°	17137.4	100.0
0°-180°	17137.4	100.0



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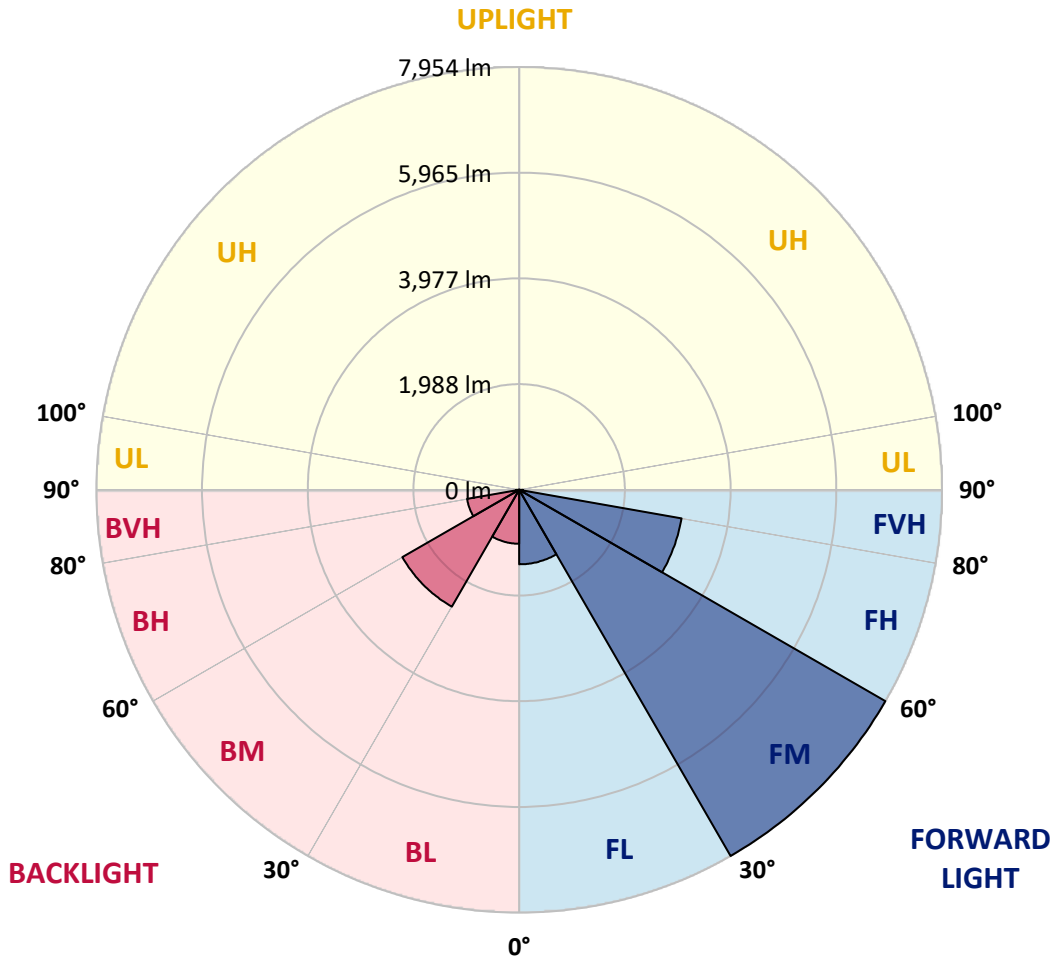
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1401.3	8.2			
FM	(30°-60°)	7953.6	46.4			
FH	(60°-80°)	3102.4	18.1			G2/5000
FVH	(80°-90°)	71.7	0.4			G1/100
BL	(0°-30°)	1014.9	5.9	B3/2500		
BM	(30°-60°)	2537.6	14.8	B3/5000		
BH	(60°-80°)	994.7	5.8	B2/1000		G2/1000
BVH	(80°-90°)	61.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3
2.5°	2812.0	2819.8	2808.1	2815.9	2815.9	2804.2	2800.3	2784.7	2792.5	2788.6	2784.7
5°	2878.4	2882.3	2874.5	2886.2	2886.2	2890.1	2886.2	2866.7	2866.7	2866.7	2858.9
7.5°	2858.9	2858.9	2862.8	2901.8	2940.9	2991.7	2991.7	2983.9	2991.7	2987.8	2952.6
10°	2694.8	2710.5	2745.6	2843.3	2937.0	3046.3	3120.5	3144.0	3144.0	3147.9	3089.3
12.5°	2401.9	2413.6	2495.7	2644.1	2839.3	3038.5	3218.2	3335.4	3347.1	3366.6	3288.5
15°	2140.2	2148.1	2206.6	2359.0	2581.6	2933.1	3272.9	3515.0	3554.1	3636.1	3518.9
17.5°	2163.7	2159.8	2175.4	2234.0	2394.1	2761.2	3261.1	3725.9	3796.2	3940.7	3839.2
20°	2304.3	2304.3	2316.0	2327.7	2386.3	2636.3	3175.2	3897.8	4034.4	4315.6	4198.5
22.5°	2526.9	2526.9	2523.0	2542.5	2542.5	2690.9	3179.1	4026.6	4229.7	4733.5	4620.3
25°	2835.4	2819.8	2819.8	2827.6	2792.5	2897.9	3276.8	4159.4	4425.0	5229.6	5131.9
27.5°	3183.0	3194.8	3186.9	3159.6	3112.7	3194.8	3511.1	4366.4	4643.7	5752.9	5713.8
30°	3561.9	3565.8	3573.6	3558.0	3518.9	3577.5	3878.2	4678.9	4932.7	6299.7	6385.6
32.5°	3932.9	3987.6	3968.1	3929.0	3944.6	4050.1	4331.3	5100.7	5362.3	6807.4	7112.0
35°	4405.5	4425.0	4503.1	4358.6	4362.5	4542.2	4909.3	5655.3	5909.1	7334.6	7838.5
37.5°	5092.9	5128.0	5092.9	4866.3	4831.2	5081.1	5471.7	6202.0	6385.6	7733.0	8514.1
40°	5768.5	5811.5	5870.1	5604.5	5381.9	5588.9	6002.9	6619.9	6811.3	7951.7	8963.3
42.5°	6327.0	6397.3	6334.8	6256.7	6053.6	6092.7	6373.9	6944.1	7135.5	8229.0	9416.3
45°	6799.6	6811.3	6838.6	6784.0	6682.4	6647.3	6690.2	7229.2	7440.1	8354.0	9638.9
47.5°	6994.9	7045.6	7069.1	7162.8	7268.3	7198.0	6959.7	7362.0	7553.4	8346.2	9709.2
50°	6889.4	6940.2	7065.2	7287.8	7541.6	7666.6	7276.1	7545.6	7760.4	8486.8	9853.7
52.5°	6612.1	6666.8	6869.9	7123.7	7549.5	7834.6	7721.3	7928.3	8135.3	8736.7	10095.9
55°	5940.4	6022.4	6307.5	6729.3	7315.1	7744.7	8190.0	8490.7	8717.2	9037.5	10345.8
57.5°	4964.0	5049.9	5370.2	6002.9	6881.6	7373.7	8326.7	9545.2	9646.7	9396.8	10369.3
60°	*3718.1*	*3788.4*	*4241.4*	*4749.2*	*5780.2*	*6694.1*	*8248.6*	*10545.0*	*10802.8*	*9334.3*	*9623.3*
62.5°	2944.8	3030.7	3433.0	3667.3	4405.5	5530.3	7975.2	10822.3	11044.9	8818.8	8584.4
65°	2300.4	2359.0	2733.9	3069.8	3249.4	3776.7	6834.7	9467.1	9666.3	7979.1	7084.7
67.5°	1519.3	1609.1	2054.3	2515.2	2608.9	2401.9	4702.3	7283.9	7377.6	6342.6	5327.2
70°	1089.7	1132.6	1464.6	1956.7	2097.3	1609.1	2562.1	5514.7	5542.0	4257.1	3589.2
72.5°	742.1	749.9	995.9	1499.7	1671.6	1167.8	1409.9	3632.2	3538.4	2101.2	2054.3
75°	503.8	511.6	636.6	999.8	1183.4	812.4	917.8	1980.1	1902.0	1160.0	1245.9
77.5°	339.8	347.6	437.4	671.8	788.9	562.4	671.8	1046.7	1027.2	769.4	667.9
80°	257.8	269.5	324.2	429.6	550.7	328.1	382.7	496.0	503.8	410.1	339.8
82.5°	144.5	160.1	195.3	218.7	355.4	183.6	183.6	296.8	285.1	253.9	183.6
85°	62.5	66.4	78.1	82.0	144.5	78.1	66.4	128.9	132.8	125.0	58.6
87.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	15.6	15.6	15.6	15.6
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°	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3
2.5°	2765.1	2788.6	2765.1	2753.4	2753.4	2733.9	2726.1	2726.1	2698.7	2710.5	2702.7
5°	2827.6	2835.4	2808.1	2773.0	2726.1	2687.0	2632.4	2562.1	2519.1	2515.2	2519.1
7.5°	2925.3	2929.2	2855.0	2776.9	2659.7	2519.1	2351.1	2214.5	2093.4	2073.9	2097.3
10°	3062.0	3054.2	2944.8	2761.2	2515.2	2218.4	1960.6	1835.6	1765.3	1761.4	1757.5
12.5°	3245.5	3194.8	3026.8	2694.8	2265.2	1921.5	1788.7	1780.9	1800.5	1816.1	1820.0
15°	3456.4	3390.0	3093.2	2566.0	2011.4	1812.2	1820.0	1886.4	1909.8	1925.4	1925.4
17.5°	3718.1	3632.2	3167.4	2382.4	1882.5	1835.6	1890.3	1952.8	1991.8	2007.5	2003.6
20°	4065.7	3886.0	3226.0	2206.6	1847.3	1874.7	1921.5	1984.0	2023.1	2042.6	2042.6
22.5°	4413.3	4190.7	3237.7	2085.6	1847.3	1878.6	1921.5	1984.0	2027.0	2046.5	2042.6
25°	4885.9	4581.2	3241.6	1999.6	1851.2	1859.0	1898.1	1952.8	2015.3	2034.8	2042.6
27.5°	5389.7	5010.8	3261.1	1980.1	1835.6	1831.7	1859.0	1909.8	1972.3	2023.1	2027.0
30°	6014.6	5495.1	3269.0	1999.6	1839.5	1788.7	1808.3	1859.0	1925.4	1976.2	1991.8
32.5°	6627.7	5944.3	3253.3	2042.6	1847.3	1761.4	1765.3	1796.6	1866.9	1902.0	1929.3
35°	7276.1	6420.7	3226.0	2101.2	1851.2	1749.7	1714.5	1730.2	1777.0	1780.9	1792.7
37.5°	7783.8	6776.2	3144.0	2179.3	1859.0	1706.7	1636.4	1624.7	1605.2	1566.1	1573.9
40°	8201.7	7014.4	3007.3	2218.4	1839.5	1656.0	1538.8	1484.1	1409.9	1351.3	1363.0
42.5°	8502.4	7174.5	2843.3	2226.2	1808.3	1570.0	1425.5	1331.8	1249.8	1187.3	1191.2
45°	8635.2	7158.9	2667.5	2167.6	1734.1	1464.6	1320.1	1230.3	1140.4	1074.0	1066.2
47.5°	8639.1	7006.6	2425.4	2027.0	1609.1	1343.5	1222.4	1124.8	1050.6	1003.7	999.8
50°	8670.4	6920.7	2198.8	1823.9	1445.1	1214.6	1136.5	1038.9	995.9	929.5	910.0
52.5°	8865.6	7061.3	2042.6	1601.3	1292.7	1120.9	1062.3	976.4	906.1	863.1	859.2
55°	9182.0	7303.4	1956.7	1433.3	1148.2	1031.1	992.0	917.8	855.3	812.4	800.6
57.5°	9221.0	7428.4	1855.1	1277.1	1031.1	960.8	945.1	863.1	773.3	742.1	730.3
60°	*8674.3*	*7217.5*	*1730.2*	*1132.6*	*945.1*	*906.1*	*898.3*	*788.9*	*714.7*	*675.7*	*660.0*
62.5°	7928.3	6690.2	1538.8	999.8	878.8	851.4	820.2	734.2	640.5	597.6	585.8
65°	6479.3	5624.0	1308.4	910.0	812.4	781.1	773.3	656.1	593.6	570.2	566.3
67.5°	4909.3	4518.7	1152.1	843.6	742.1	730.3	703.0	663.9	636.6	609.3	601.5
70°	3472.0	3261.1	980.3	757.7	671.8	652.2	765.5	722.5	624.9	589.7	585.8
72.5°	2105.1	2046.5	847.5	679.6	578.0	609.3	706.9	652.2	562.4	519.4	503.8
75°	1327.9	1214.6	710.8	578.0	460.9	496.0	617.1	581.9	484.3	441.3	429.6
77.5°	722.5	671.8	535.1	472.6	363.2	402.3	539.0	480.4	386.7	421.8	374.9
80°	316.4	351.5	355.4	273.4	242.1	296.8	386.7	374.9	296.8	300.7	250.0
82.5°	152.3	199.2	230.4	187.5	136.7	175.8	257.8	214.8	199.2	187.5	179.7
85°	46.9	74.2	101.5	89.8	62.5	74.2	121.1	117.2	140.6	121.1	113.3
87.5°	15.6	15.6	11.7	11.7	11.7	15.6	19.5	11.7	3.9	3.9	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°	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3
2.5°	2698.7	2702.7	2702.7	2706.6	2706.6	2718.3	2733.9	2749.5	2737.8	2753.4	2757.3
5°	2511.3	2530.8	2546.4	2605.0	2651.9	2690.9	2733.9	2773.0	2784.7	2792.5	2812.0
7.5°	2069.9	2124.6	2226.2	2359.0	2507.4	2651.9	2749.5	2851.1	2866.7	2886.2	2913.6
10°	1761.4	1784.8	1855.1	1991.8	2257.4	2542.5	2780.8	2940.9	3007.3	3046.3	3073.7
12.5°	1812.2	1796.6	1784.8	1804.4	1976.2	2343.3	2761.2	3069.8	3194.8	3237.7	3272.9
15°	1933.3	1917.6	1874.7	1820.0	1839.5	2132.4	2694.8	3190.8	3390.0	3460.3	3534.5
17.5°	2003.6	1987.9	1952.8	1894.2	1843.4	1956.7	2569.9	3300.2	3698.6	3784.5	3889.9
20°	2042.6	2027.0	1991.8	1933.3	1874.7	1890.3	2409.7	3436.9	4050.1	4186.8	4343.0
22.5°	2050.4	2030.9	1991.8	1933.3	1898.1	1886.4	2257.4	3518.9	4428.9	4639.8	4819.5
25°	2046.5	2011.4	1960.6	1917.6	1898.1	1894.2	2152.0	3565.8	4839.0	5174.9	5378.0
27.5°	2019.2	1976.2	1925.4	1894.2	1886.4	1909.8	2105.1	3620.5	5319.4	5749.0	6073.2
30°	1987.9	1925.4	1863.0	1851.2	1870.8	1945.0	2144.2	3640.0	5823.2	6373.9	6705.9
32.5°	1905.9	1859.0	1796.6	1792.7	1839.5	1972.3	2234.0	3612.6	6268.4	6998.8	7416.7
35°	1788.7	1761.4	1726.3	1738.0	1812.2	1995.7	2296.5	3526.7	6674.6	7580.7	8068.9
37.5°	1581.8	1601.3	1620.8	1648.1	1741.9	1991.8	2323.8	3390.0	7010.5	8045.5	8670.4
40°	1351.3	1417.7	1480.2	1550.5	1675.5	1960.6	2331.6	3222.1	7205.8	8397.0	9205.4
42.5°	1206.8	1269.3	1347.4	1449.0	1585.7	1890.3	2323.8	3034.6	7268.3	8639.1	9545.2
45°	1074.0	1148.2	1245.9	1351.3	1507.5	1788.7	2253.5	2831.5	7299.5	8752.4	9689.7
47.5°	1003.7	1046.7	1136.5	1242.0	1406.0	1663.8	2116.8	2683.1	7252.6	8775.8	9865.5
50°	921.7	980.3	1038.9	1140.4	1300.6	1507.5	1952.8	2597.2	7330.7	9006.2	10142.8
52.5°	859.2	890.5	953.0	1046.7	1163.9	1363.0	1796.6	2526.9	7545.6	9240.6	10431.8
55°	812.4	847.5	886.6	964.7	1054.5	1218.5	1636.4	2421.4	7795.5	9490.5	10720.8
57.5°	738.2	761.6	816.3	898.3	956.9	1077.9	1449.0	2296.5	7776.0	9295.2	10220.9
60°	*671.8*	*695.2*	*753.8*	*835.8*	*870.9*	*953.0*	*1265.4*	*2136.3*	*7401.0*	*8658.6*	*9299.1*
62.5°	597.6	624.9	695.2	753.8	785.0	847.5	1074.0	1843.4	6619.9	7701.8	8221.2
65°	566.3	581.9	628.8	699.1	695.2	753.8	906.1	1449.0	5327.2	5885.7	6358.3
67.5°	601.5	624.9	617.1	636.6	624.9	656.1	812.4	1163.9	4186.8	4432.8	4706.2
70°	593.6	648.3	675.7	636.6	546.8	581.9	703.0	929.5	2995.6	2972.1	2960.4
72.5°	519.4	574.1	652.2	691.3	535.1	484.3	609.3	804.5	1921.5	1913.7	1730.2
75°	441.3	480.4	574.1	624.9	460.9	390.6	523.3	683.5	1148.2	1163.9	1038.9
77.5°	406.2	386.7	480.4	550.7	374.9	300.7	421.8	515.5	632.7	640.5	593.6
80°	292.9	281.2	359.3	402.3	285.1	214.8	238.2	320.3	339.8	304.6	316.4
82.5°	187.5	191.4	214.8	257.8	175.8	117.2	164.0	214.8	183.6	148.4	175.8
85°	121.1	136.7	113.3	132.8	54.7	54.7	70.3	93.7	62.5	43.0	46.9
87.5°	0.0	0.0	7.8	15.6	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501359
CATALOG NUMBER: GSS-SB3C-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2757.3	2757.3	*2757.3*	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3
2.5°	2769.0	2765.1	*2765.1*	2773.0	2792.5	2800.3	2812.0	2808.1	2819.8	2812.0
5°	2823.7	2827.6	*2839.3*	2843.3	2855.0	2870.6	2874.5	2870.6	2878.4	2878.4
7.5°	2933.1	2948.7	*2940.9*	2960.4	2944.8	2925.3	2894.0	2870.6	2851.1	2858.9
10°	3116.6	3108.8	*3104.9*	3069.8	2999.5	2897.9	2815.9	2726.1	2710.5	2694.8
12.5°	3319.7	3311.9	*3311.9*	3190.8	2991.7	2780.8	2593.3	2452.7	2405.8	2401.9
15°	3604.8	3554.1	*3507.2*	3253.3	2855.0	2495.7	2276.9	2167.6	2140.2	2140.2
17.5°	3960.2	3827.5	*3749.3*	3206.5	2632.4	2308.2	2179.3	2152.0	2144.2	2163.7
20°	4401.6	4065.7	*3952.4*	3101.0	2550.3	2331.6	2269.1	2273.0	2276.9	2304.3
22.5°	4885.9	4284.4	*4096.9*	3101.0	2632.4	2480.0	2448.8	2491.7	2503.5	2526.9
25°	5424.8	4479.7	*4225.8*	3265.1	2874.5	2761.2	2722.2	2765.1	2796.4	2835.4
27.5°	6030.2	4682.8	*4448.4*	3561.9	3186.9	3116.6	3073.7	3093.2	3136.2	3183.0
30°	6573.1	5022.6	*4788.2*	4014.9	3612.6	3526.7	3452.5	3483.8	3530.6	3561.9
32.5°	7053.4	5436.5	*5237.4*	4491.4	4100.8	3952.4	3870.4	3862.6	3956.3	3932.9
35°	7494.8	5924.7	*5733.4*	5034.3	4596.8	4413.3	4303.9	4444.5	4382.0	4405.5
37.5°	7842.4	6432.5	*6280.1*	5553.7	5112.4	4862.4	4796.0	4967.9	5065.5	5092.9
40°	8127.5	6873.8	*6713.7*	6069.2	5585.0	5401.4	5506.8	5792.0	5780.2	5768.5
42.5°	8346.2	7252.6	*7076.9*	6459.8	6038.0	6073.2	6155.2	6346.5	6393.4	6327.0
45°	8443.8	7490.9	*7350.3*	6768.3	6553.5	6756.6	6791.8	6873.8	6842.5	6799.6
47.5°	8557.1	7701.8	*7553.4*	7049.5	7112.0	7311.2	7240.9	7174.5	7061.3	6994.9
50°	8748.5	7951.7	*7826.8*	7459.6	7686.2	7619.8	7346.4	7198.0	6967.5	6889.4
52.5°	9111.7	8424.3	*8330.6*	8108.0	7955.6	7572.9	7240.9	6975.3	6717.6	6612.1
55°	9435.8	9064.8	*9010.1*	8713.3	7873.6	7326.8	6881.6	6471.5	6030.2	5940.4
57.5°	9623.3	10127.1	*10189.6*	8971.1	7498.7	6768.3	6112.2	5456.1	5038.2	4964.0
60°	*9064.8*	*11275.4*	*11306.6*	*8920.3*	*6823.0*	*5760.7*	*4760.9*	*4296.1*	*3847.0*	*3718.1*
62.5°	8295.4	11037.1	*11009.8*	8615.7	5432.6	4202.4	3616.6	3397.8	3050.2	2944.8
65°	7131.6	9193.7	*9224.9*	7444.0	3612.6	3038.5	3038.5	2761.2	2374.6	2300.4
67.5°	5811.5	7088.6	*7018.3*	4827.3	2218.4	2433.2	2550.3	2152.0	1609.1	1519.3
70°	3776.7	5413.1	*5315.5*	2784.7	1394.3	2027.0	2007.5	1616.9	1152.1	1089.7
72.5°	1624.7	3128.4	*3327.5*	1421.6	1050.6	1632.5	1601.3	1132.6	769.4	742.1
75°	980.3	1573.9	*1714.5*	906.1	765.5	1230.3	1109.2	718.6	523.3	503.8
77.5°	621.0	863.1	*855.3*	679.6	574.1	831.9	746.0	496.0	355.4	339.8
80°	359.3	425.7	*441.3*	425.7	386.7	593.6	476.5	359.3	277.3	257.8
82.5°	230.4	265.6	*269.5*	207.0	214.8	382.7	257.8	210.9	160.1	144.5
85°	101.5	113.3	*109.4*	70.3	70.3	156.2	89.8	85.9	62.5	62.5
87.5°	3.9	7.8	*3.9*	3.9	3.9	15.6	7.8	11.7	11.7	11.7
90°	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

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

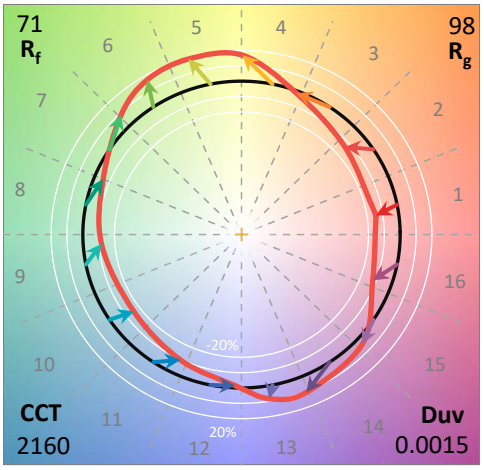
Test Information

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

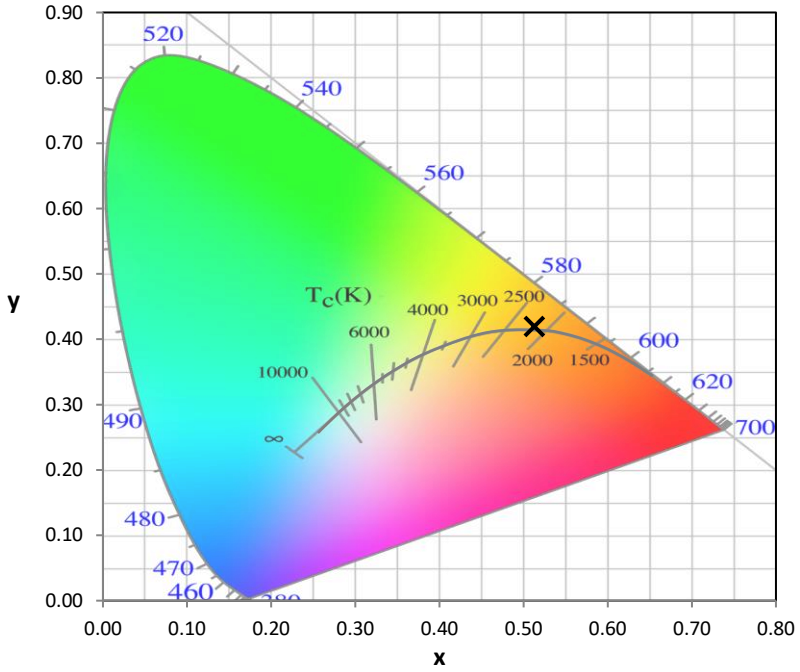
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

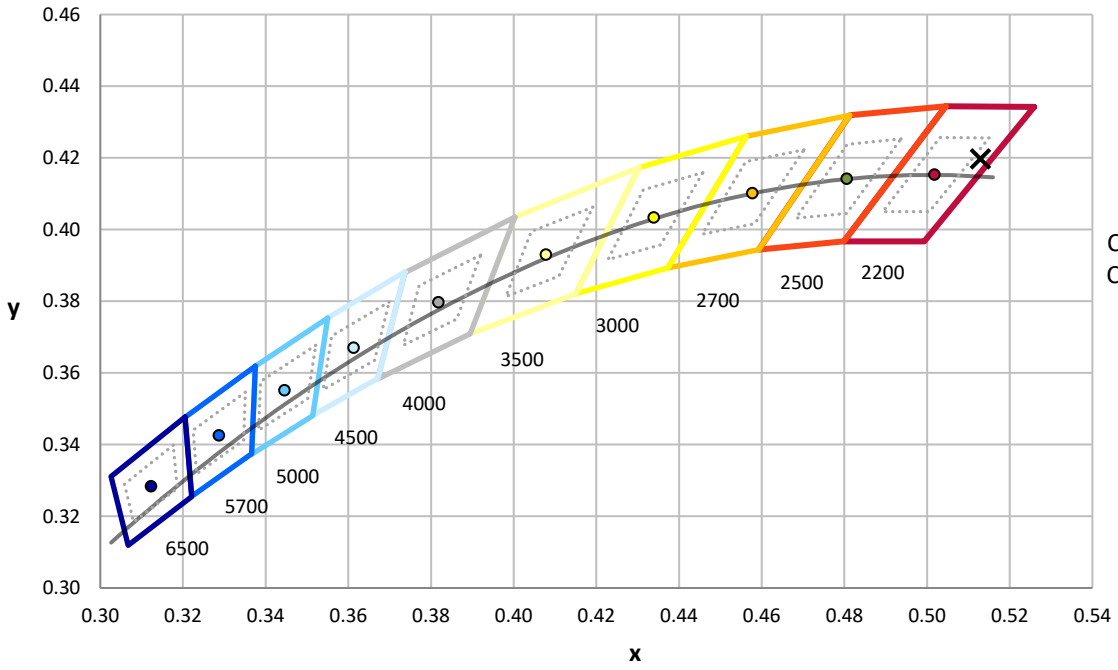
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

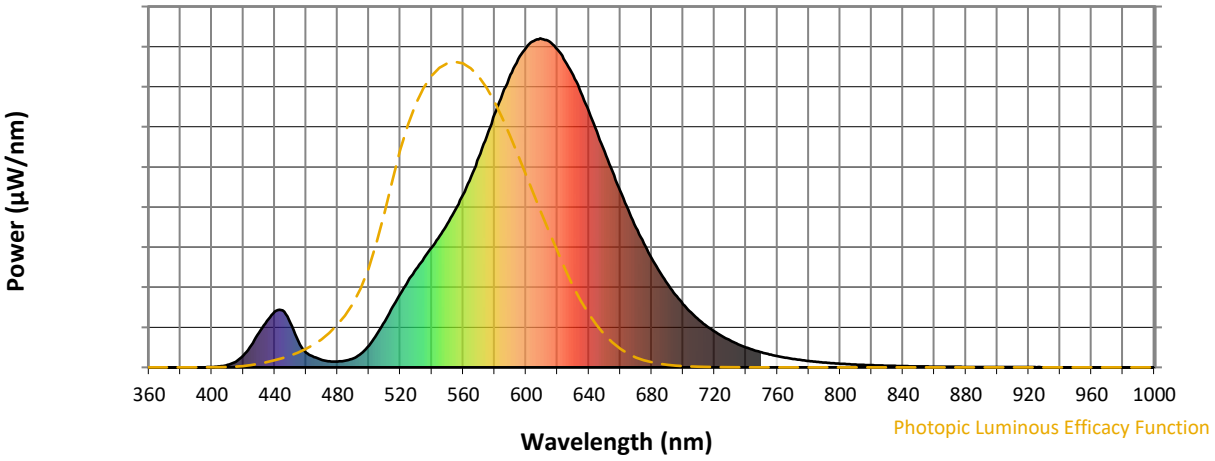


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

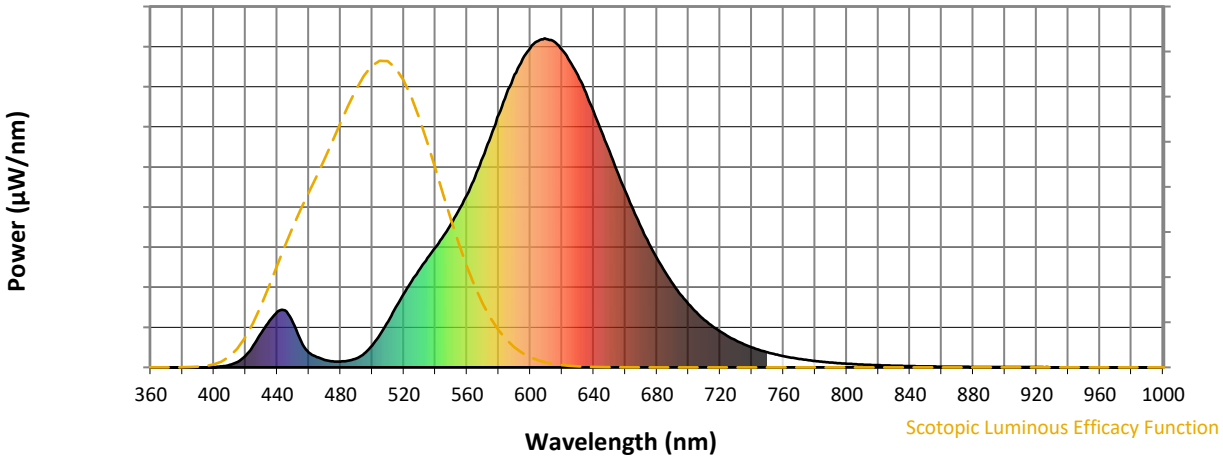


Photopic Lumens: NR

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

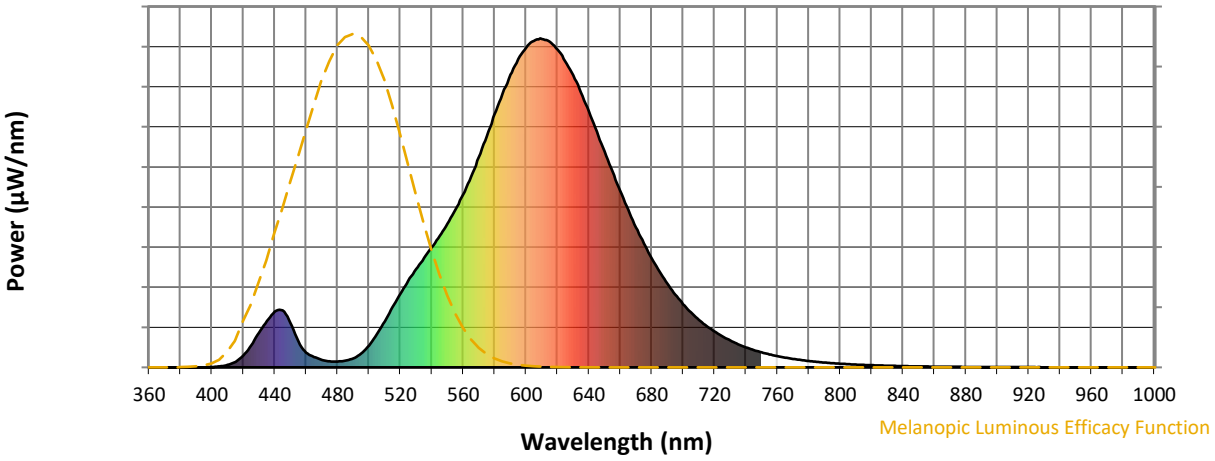


Scotopic Lumens: NR **S/P: 0.8**

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			

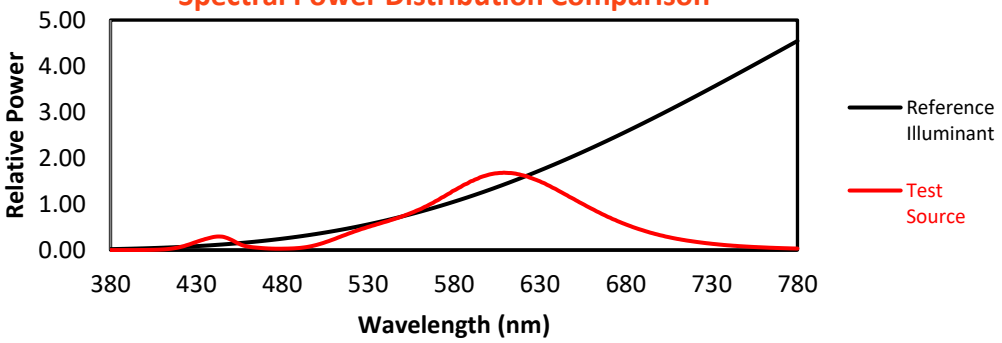
REPORT NUMBER: SP1-2407-184-2

TM-30-18

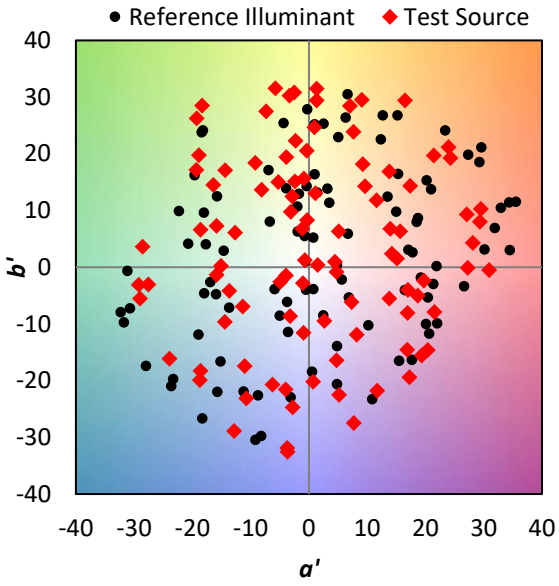
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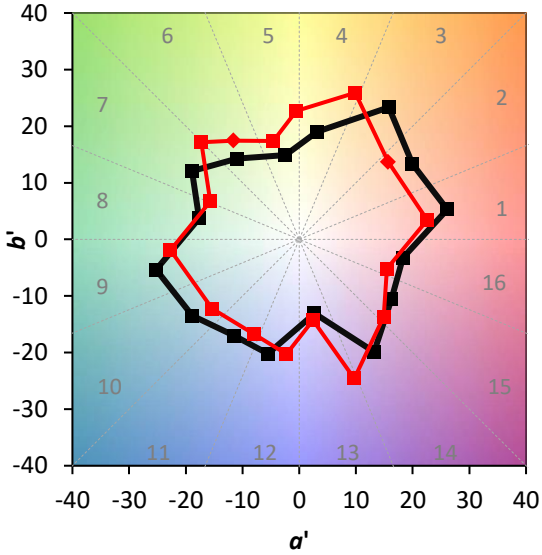
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

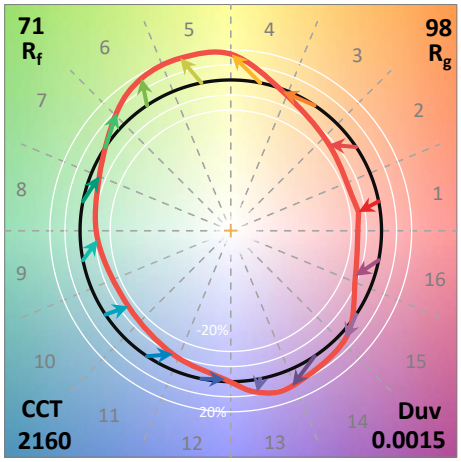
Spectral Power Distribution Comparison

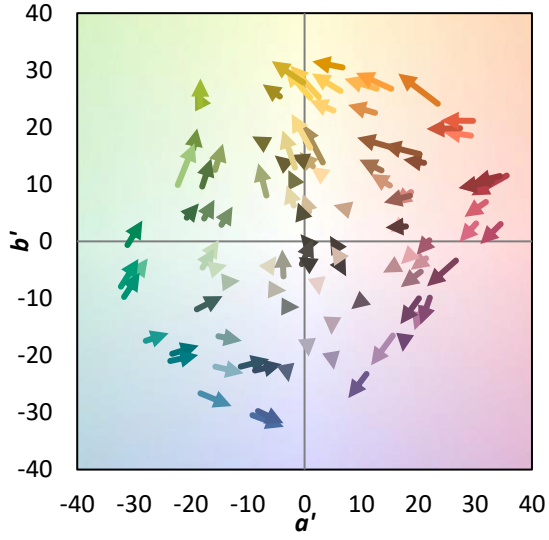


Color Vector Graphics







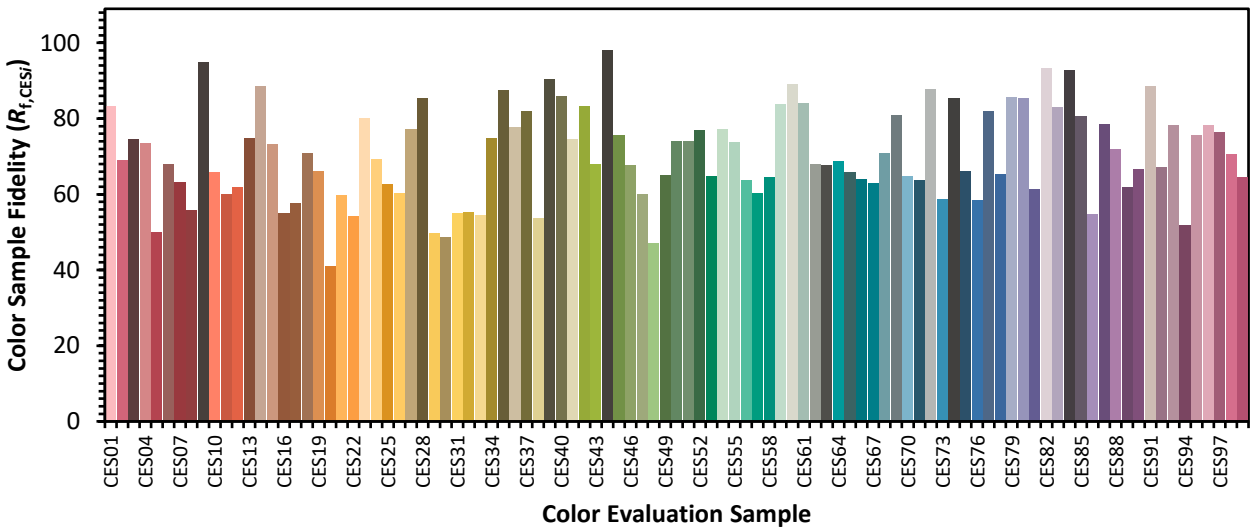


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Individual Sample Fidelity Index ($R_{f,i}$)

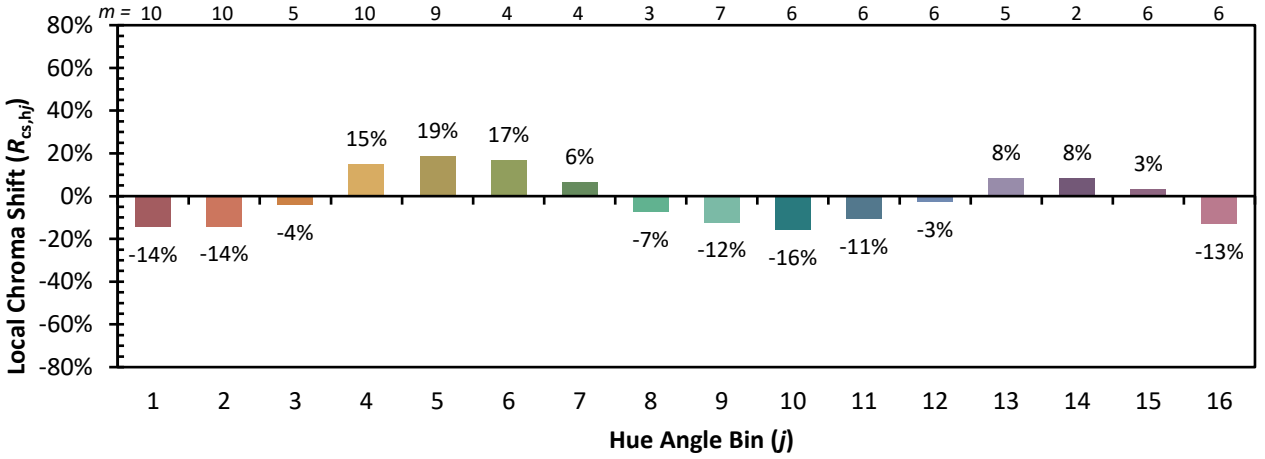
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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

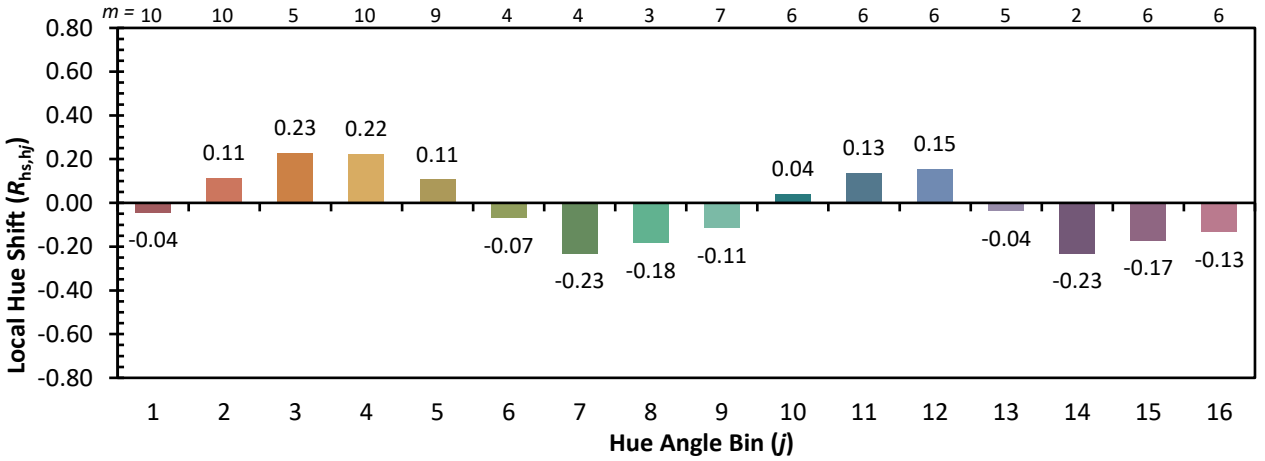


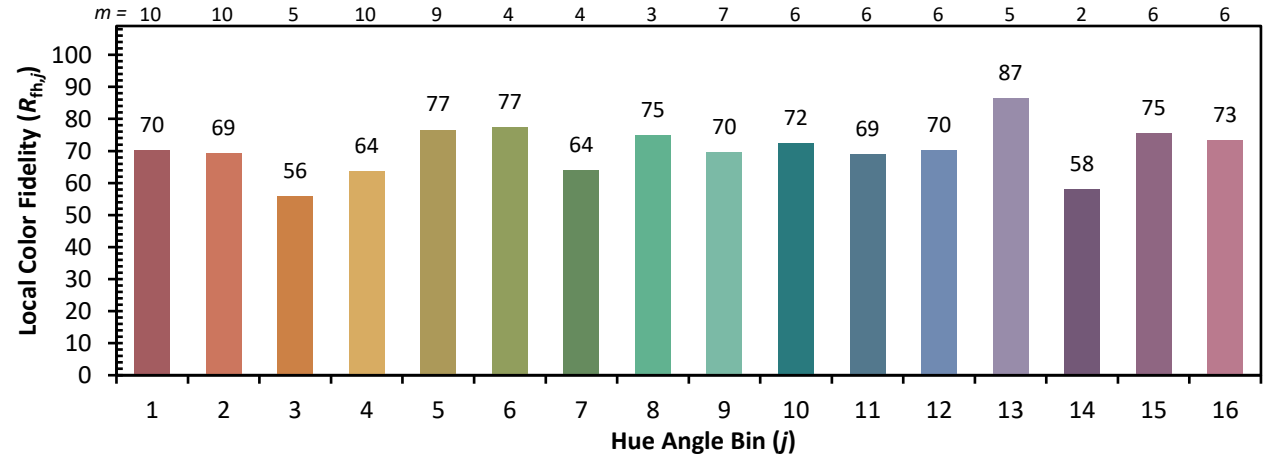
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Color Rendition by Hue-Angle Bin



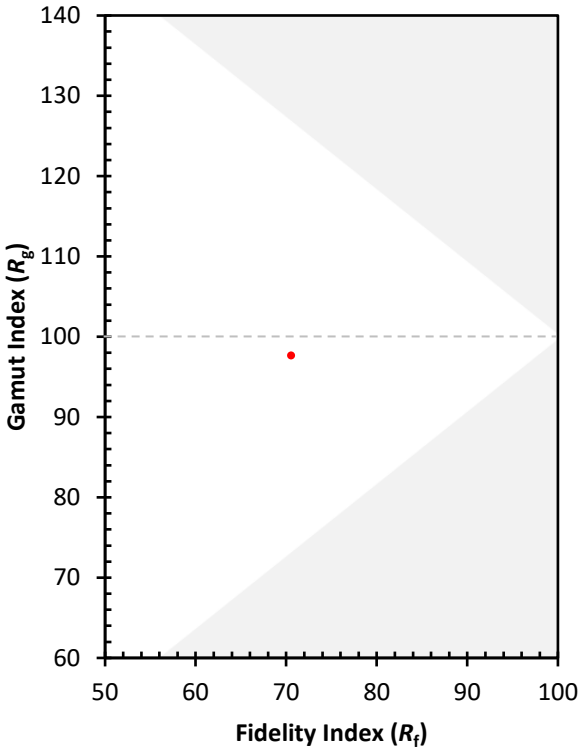


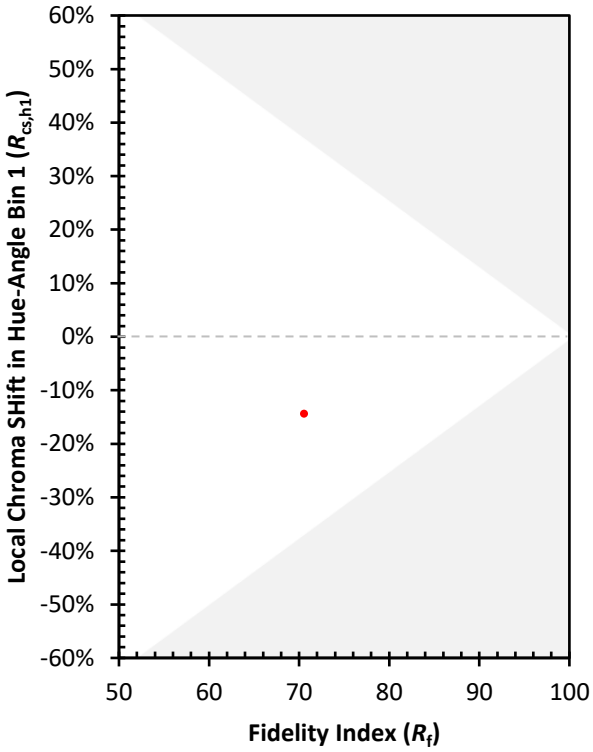


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Measure Comparisons





(END OF REPORT)