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: P1501457

Luminaire Tested: GSS-SB4A-750-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:	P1501457
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18361.1 lumens
Efficiency:	N/A
Efficacy:	161.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

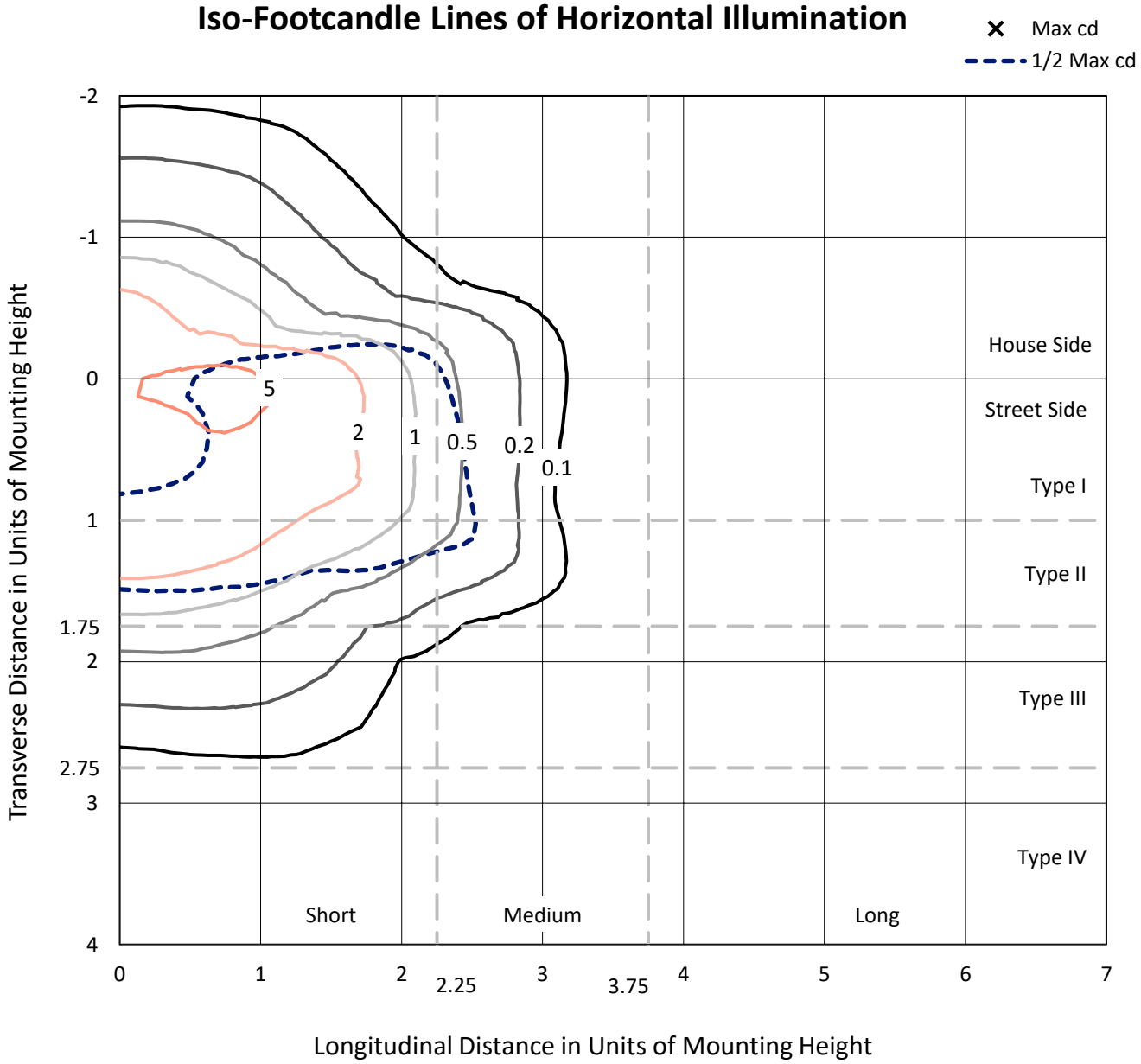
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



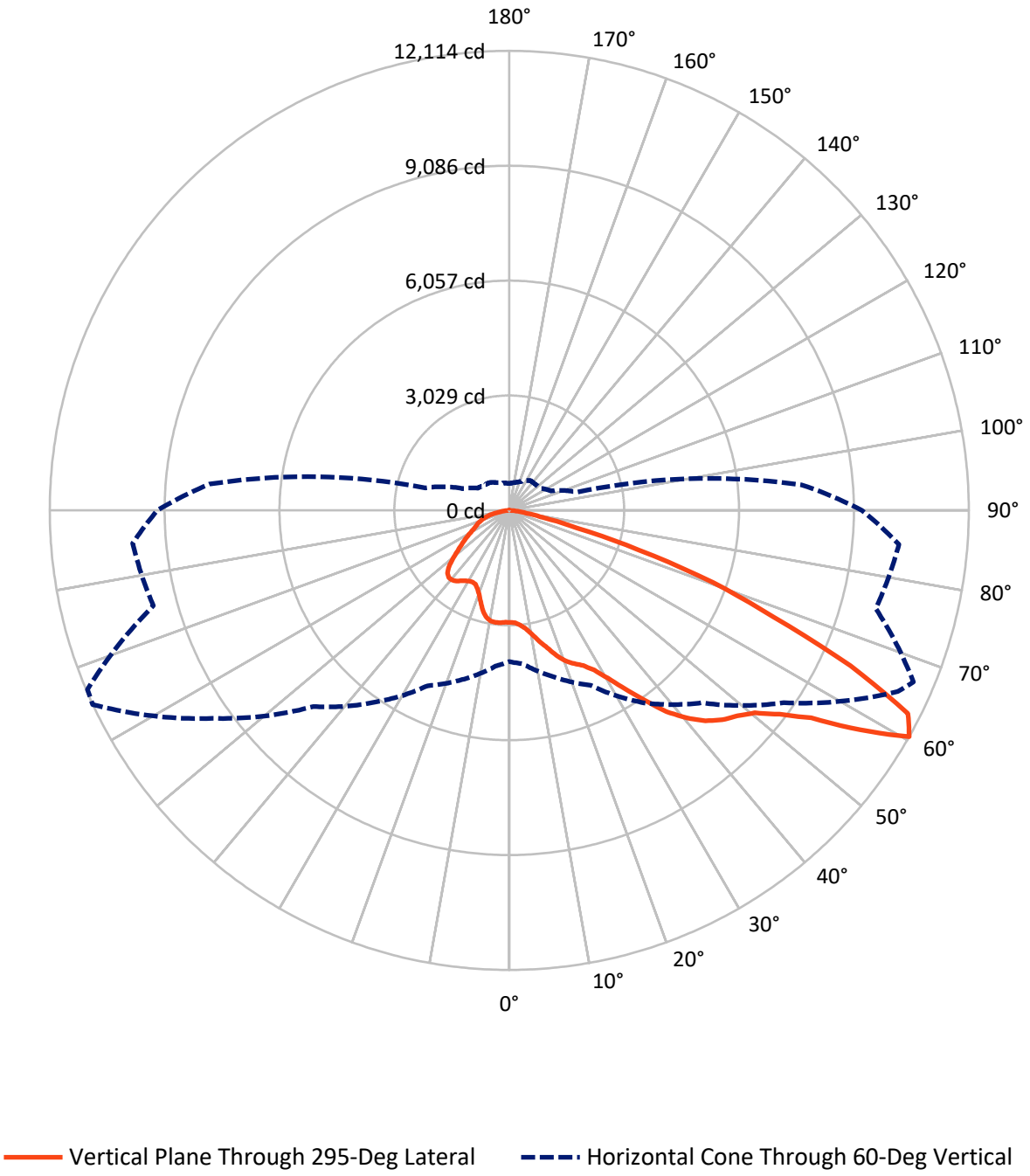
Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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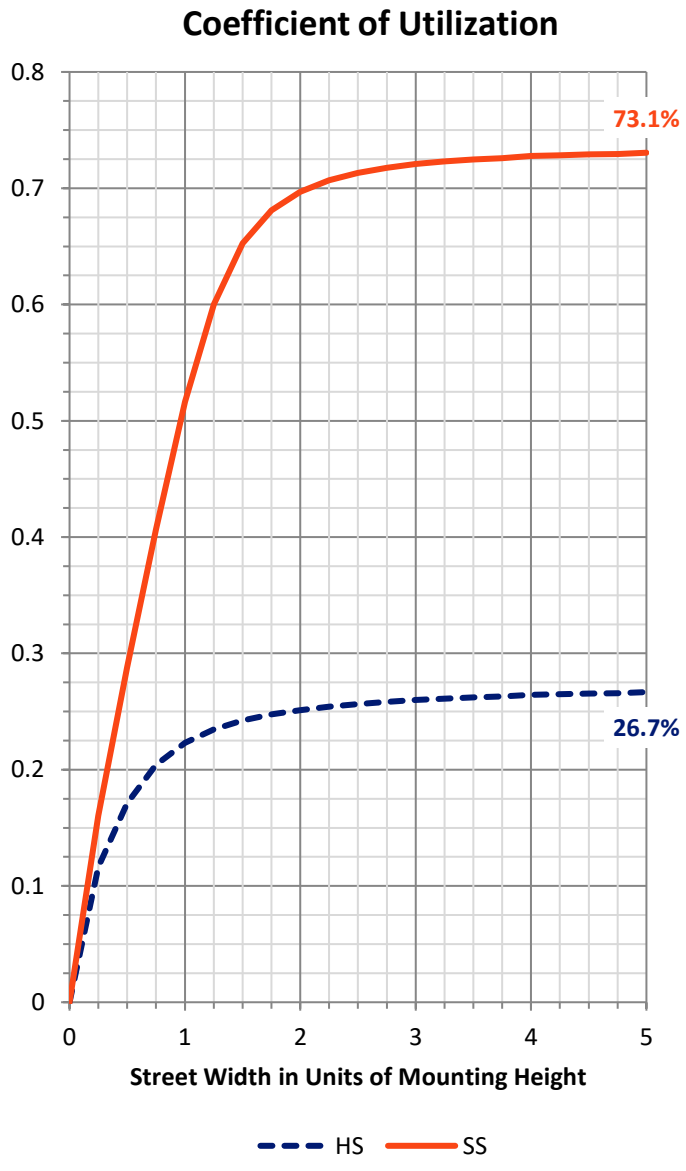
REPORT NUMBER: P1501457
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4937.5	0.0	4937.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	13423.6	0.0	13423.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	18361.1	0.0	18361.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.8	1.5
10°-20°	798.5	4.3
20°-30°	1512.5	8.2
30°-40°	2666.4	14.5
40°-50°	3943.3	21.5
50°-60°	4630.5	25.2
60°-70°	3355.0	18.3
70°-80°	1034.7	5.6
80°-90°	142.4	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°	18361.1	100.0
0°-180°	18361.1	100.0



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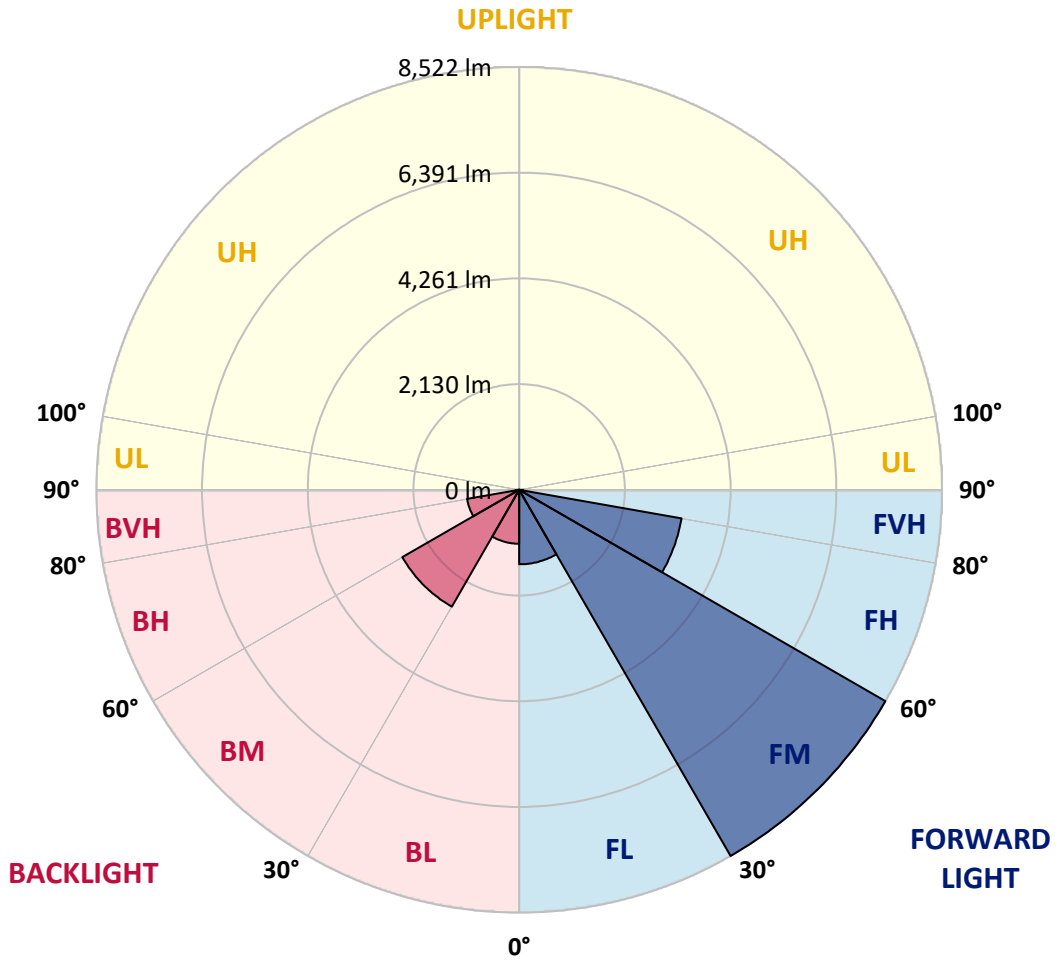
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1501.3	8.2			
FM	(30°-60°)	8521.5	46.4			
FH	(60°-80°)	3323.9	18.1			G2/5000
FVH	(80°-90°)	76.8	0.4			G1/100
BL	(0°-30°)	1087.4	5.9	B3/2500		
BM	(30°-60°)	2718.8	14.8	B3/5000		
BH	(60°-80°)	1065.8	5.8	B3/2500		G3/2500
BVH	(80°-90°)	65.6	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-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2
2.5°	3012.8	3021.2	3008.6	3017.0	3017.0	3004.4	3000.2	2983.5	2991.9	2987.7	2983.5
5°	3083.9	3088.1	3079.8	3092.3	3092.3	3096.5	3092.3	3071.4	3071.4	3071.4	3063.0
7.5°	3063.0	3063.0	3067.2	3109.0	3150.9	3205.3	3205.3	3196.9	3205.3	3201.1	3163.4
10°	2887.3	2904.0	2941.7	3046.3	3146.7	3263.9	3343.4	3368.5	3368.5	3372.7	3309.9
12.5°	2573.4	2586.0	2673.9	2832.9	3042.1	3255.5	3448.0	3573.5	3586.1	3607.0	3523.3
15°	2293.1	2301.4	2364.2	2527.4	2765.9	3142.5	3506.6	3766.0	3807.8	3895.7	3770.2
17.5°	2318.2	2314.0	2330.7	2393.5	2565.1	2958.4	3494.0	3992.0	4067.3	4222.1	4113.3
20°	2468.8	2468.8	2481.4	2493.9	2556.7	2824.5	3402.0	4176.1	4322.5	4623.8	4498.3
22.5°	2707.3	2707.3	2703.2	2724.1	2724.1	2883.1	3406.1	4314.2	4531.8	5071.5	4950.2
25°	3037.9	3021.2	3021.2	3029.5	2991.9	3104.9	3510.8	4456.4	4741.0	5603.0	5498.4
27.5°	3410.3	3422.9	3414.5	3385.2	3335.0	3422.9	3761.8	4678.2	4975.3	6163.7	6121.8
30°	3816.2	3820.4	3828.8	3812.0	3770.2	3833.0	4155.2	5013.0	5285.0	6749.5	6841.6
32.5°	4213.7	4272.3	4251.4	4209.6	4226.3	4339.3	4640.6	5464.9	5745.2	7293.5	7619.9
35°	4720.1	4741.0	4824.7	4669.8	4674.0	4866.5	5259.8	6059.1	6331.1	7858.4	8398.2
37.5°	5456.5	5494.2	5456.5	5213.8	5176.2	5444.0	5862.4	6644.9	6841.6	8285.2	9122.1
40°	6180.4	6226.5	6289.2	6004.7	5766.2	5987.9	6431.5	7092.6	7297.7	8519.5	9603.3
42.5°	6778.8	6854.1	6787.2	6703.5	6485.9	6527.7	6829.0	7439.9	7645.0	8816.6	10088.7
45°	7285.1	7297.7	7327.0	7268.4	7159.6	7121.9	7168.0	7745.4	7971.4	8950.5	10327.2
47.5°	7494.3	7548.7	7573.8	7674.3	7787.3	7711.9	7456.7	7887.7	8092.7	8942.2	10402.5
50°	7381.4	7435.8	7569.7	7808.2	8080.2	8214.1	7795.6	8084.4	8314.5	9092.8	10557.4
52.5°	7084.3	7142.8	7360.4	7632.4	8088.5	8394.0	8272.7	8494.4	8716.2	9360.6	10816.8
55°	6364.5	6452.4	6757.9	7209.8	7837.5	8297.8	8774.8	9097.0	9339.7	9682.8	11084.6
57.5°	5318.4	5410.5	5753.6	6431.5	7373.0	7900.2	8921.2	10226.8	10335.6	10067.8	11109.7
60°	*3983.6*	*4058.9*	*4544.3*	*5088.3*	*6193.0*	*7172.1*	*8837.6*	*11298.0*	*11574.2*	*10000.8*	*10310.5*
62.5°	3155.1	3247.1	3678.1	3929.2	4720.1	5925.2	8544.6	11595.1	11833.6	9448.5	9197.4
65°	2464.6	2527.4	2929.1	3289.0	3481.5	4046.4	7322.8	10143.1	10356.5	8548.8	7590.6
67.5°	1627.7	1724.0	2201.0	2694.8	2795.2	2573.4	5038.1	7804.0	7904.4	6795.5	5707.6
70°	1167.5	1213.5	1569.2	2096.4	2247.0	1724.0	2745.0	5908.4	5937.7	4561.0	3845.5
72.5°	795.0	803.4	1067.0	1606.8	1790.9	1251.1	1510.6	3891.5	3791.1	2251.2	2201.0
75°	539.8	548.2	682.1	1071.2	1267.9	870.4	983.3	2121.5	2037.8	1242.8	1334.8
77.5°	364.0	372.4	468.7	719.7	845.3	602.6	719.7	1121.4	1100.5	824.3	715.5
80°	276.2	288.7	347.3	460.3	590.0	351.5	410.1	531.4	539.8	439.4	364.0
82.5°	154.8	171.6	209.2	234.3	380.8	196.7	196.7	318.0	305.5	272.0	196.7
85°	67.0	71.1	83.7	87.9	154.8	83.7	71.1	138.1	142.3	133.9	62.8
87.5°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	16.7	16.7	16.7	16.7
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°	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2
2.5°	2962.6	2987.7	2962.6	2950.0	2950.0	2929.1	2920.7	2920.7	2891.5	2904.0	2895.6
5°	3029.5	3037.9	3008.6	2971.0	2920.7	2878.9	2820.3	2745.0	2699.0	2694.8	2699.0
7.5°	3134.2	3138.3	3058.8	2975.1	2849.6	2699.0	2519.0	2372.6	2242.9	2221.9	2247.0
10°	3280.6	3272.2	3155.1	2958.4	2694.8	2376.8	2100.6	1966.7	1891.4	1887.2	1883.0
12.5°	3477.3	3422.9	3242.9	2887.3	2427.0	2058.7	1916.5	1908.1	1929.0	1945.8	1950.0
15°	3703.2	3632.1	3314.1	2749.2	2155.0	1941.6	1950.0	2021.1	2046.2	2062.9	2062.9
17.5°	3983.6	3891.5	3393.6	2552.5	2016.9	1966.7	2025.3	2092.2	2134.1	2150.8	2146.6
20°	4356.0	4163.5	3456.4	2364.2	1979.2	2008.5	2058.7	2125.7	2167.5	2188.5	2188.5
22.5°	4728.4	4489.9	3468.9	2234.5	1979.2	2012.7	2058.7	2125.7	2171.7	2192.6	2188.5
25°	5234.7	4908.4	3473.1	2142.4	1983.4	1991.8	2033.6	2092.2	2159.2	2180.1	2188.5
27.5°	5774.5	5368.6	3494.0	2121.5	1966.7	1962.5	1991.8	2046.2	2113.1	2167.5	2171.7
30°	6444.0	5887.5	3502.4	2142.4	1970.9	1916.5	1937.4	1991.8	2062.9	2117.3	2134.1
32.5°	7101.0	6368.7	3485.6	2188.5	1979.2	1887.2	1891.4	1924.8	2000.2	2037.8	2067.1
35°	7795.6	6879.2	3456.4	2251.2	1983.4	1874.6	1837.0	1853.7	1903.9	1908.1	1920.7
37.5°	8339.6	7260.0	3368.5	2334.9	1991.8	1828.6	1753.3	1740.7	1719.8	1678.0	1686.3
40°	8787.3	7515.3	3222.0	2376.8	1970.9	1774.2	1648.7	1590.1	1510.6	1447.8	1460.4
42.5°	9109.5	7686.8	3046.3	2385.1	1937.4	1682.1	1527.3	1426.9	1339.0	1272.1	1276.3
45°	9251.8	7670.1	2858.0	2322.4	1857.9	1569.2	1414.3	1318.1	1221.9	1150.7	1142.4
47.5°	9256.0	7506.9	2598.5	2171.7	1724.0	1439.4	1309.7	1205.1	1125.6	1075.4	1071.2
50°	9289.5	7414.8	2355.8	1954.1	1548.2	1301.4	1217.7	1113.1	1067.0	995.9	975.0
52.5°	9498.7	7565.5	2188.5	1715.6	1385.1	1200.9	1138.2	1046.1	970.8	924.8	920.6
55°	9837.6	7824.9	2096.4	1535.7	1230.2	1104.7	1062.8	983.3	916.4	870.4	857.8
57.5°	9879.5	7958.8	1987.6	1368.3	1104.7	1029.4	1012.6	924.8	828.5	795.0	782.5
60°	*9293.7*	*7732.9*	*1853.7*	*1213.5*	*1012.6*	*970.8*	*962.4*	*845.3*	*765.8*	*723.9*	*707.2*
62.5°	8494.4	7168.0	1648.7	1071.2	941.5	912.2	878.7	786.7	686.2	640.2	627.7
65°	6942.0	6025.6	1401.8	975.0	870.4	836.9	828.5	703.0	636.0	610.9	606.7
67.5°	5259.8	4841.4	1234.4	903.8	795.0	782.5	753.2	711.4	682.1	652.8	644.4
70°	3720.0	3494.0	1050.3	811.8	719.7	698.8	820.2	774.1	669.5	631.9	627.7
72.5°	2255.4	2192.6	908.0	728.1	619.3	652.8	757.4	698.8	602.6	556.5	539.8
75°	1422.7	1301.4	761.6	619.3	493.8	531.4	661.1	623.5	518.9	472.8	460.3
77.5°	774.1	719.7	573.3	506.3	389.2	431.0	577.5	514.7	414.3	451.9	401.7
80°	338.9	376.6	380.8	292.9	259.4	318.0	414.3	401.7	318.0	322.2	267.8
82.5°	163.2	213.4	246.9	200.9	146.5	188.3	276.2	230.1	213.4	200.9	192.5
85°	50.2	79.5	108.8	96.2	67.0	79.5	129.7	125.5	150.6	129.7	121.3
87.5°	16.7	16.7	12.6	12.6	12.6	16.7	20.9	12.6	4.2	4.2	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°	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2
2.5°	2891.5	2895.6	2895.6	2899.8	2899.8	2912.4	2929.1	2945.9	2933.3	2950.0	2954.2
5°	2690.6	2711.5	2728.3	2791.0	2841.2	2883.1	2929.1	2971.0	2983.5	2991.9	3012.8
7.5°	2217.8	2276.3	2385.1	2527.4	2686.4	2841.2	2945.9	3054.6	3071.4	3092.3	3121.6
10°	1887.2	1912.3	1987.6	2134.1	2418.6	2724.1	2979.3	3150.9	3222.0	3263.9	3293.2
12.5°	1941.6	1924.8	1912.3	1933.2	2117.3	2510.7	2958.4	3289.0	3422.9	3468.9	3506.6
15°	2071.3	2054.6	2008.5	1950.0	1970.9	2284.7	2887.3	3418.7	3632.1	3707.4	3786.9
17.5°	2146.6	2129.9	2092.2	2029.5	1975.1	2096.4	2753.4	3535.9	3962.7	4054.7	4167.7
20°	2188.5	2171.7	2134.1	2071.3	2008.5	2025.3	2581.8	3682.3	4339.3	4485.7	4653.1
22.5°	2196.8	2175.9	2134.1	2071.3	2033.6	2021.1	2418.6	3770.2	4745.2	4971.1	5163.6
25°	2192.6	2155.0	2100.6	2054.6	2033.6	2029.5	2305.6	3820.4	5184.5	5544.4	5762.0
27.5°	2163.4	2117.3	2062.9	2029.5	2021.1	2046.2	2255.4	3879.0	5699.2	6159.5	6506.8
30°	2129.9	2062.9	1996.0	1983.4	2004.3	2083.9	2297.3	3899.9	6239.0	6829.0	7184.7
32.5°	2042.0	1991.8	1924.8	1920.7	1970.9	2113.1	2393.5	3870.6	6716.0	7498.5	7946.3
35°	1916.5	1887.2	1849.5	1862.1	1941.6	2138.3	2460.5	3778.6	7151.2	8122.0	8645.1
37.5°	1694.7	1715.6	1736.5	1765.8	1866.3	2134.1	2489.7	3632.1	7511.1	8620.0	9289.5
40°	1447.8	1519.0	1585.9	1661.2	1795.1	2100.6	2498.1	3452.2	7720.3	8996.6	9862.7
42.5°	1293.0	1359.9	1443.6	1552.4	1698.9	2025.3	2489.7	3251.3	7787.3	9256.0	10226.8
45°	1150.7	1230.2	1334.8	1447.8	1615.2	1916.5	2414.4	3033.7	7820.7	9377.3	10381.6
47.5°	1075.4	1121.4	1217.7	1330.7	1506.4	1782.6	2268.0	2874.7	7770.5	9402.5	10569.9
50°	987.5	1050.3	1113.1	1221.9	1393.4	1615.2	2092.2	2782.7	7854.2	9649.3	10867.0
52.5°	920.6	954.1	1021.0	1121.4	1247.0	1460.4	1924.8	2707.3	8084.4	9900.4	11176.7
55°	870.4	908.0	949.9	1033.6	1129.8	1305.5	1753.3	2594.4	8352.2	10168.2	11486.3
57.5°	790.9	816.0	874.5	962.4	1025.2	1154.9	1552.4	2460.5	8331.2	9959.0	10950.7
60°	*719.7*	*744.8*	*807.6*	*895.5*	*933.1*	*1021.0*	*1355.8*	*2288.9*	*7929.5*	*9276.9*	*9963.2*
62.5°	640.2	669.5	744.8	807.6	841.1	908.0	1150.7	1975.1	7092.6	8251.7	8808.3
65°	606.7	623.5	673.7	749.0	744.8	807.6	970.8	1552.4	5707.6	6306.0	6812.3
67.5°	644.4	669.5	661.1	682.1	669.5	703.0	870.4	1247.0	4485.7	4749.3	5042.3
70°	636.0	694.6	723.9	682.1	585.8	623.5	753.2	995.9	3209.5	3184.4	3171.8
72.5°	556.5	615.1	698.8	740.6	573.3	518.9	652.8	862.0	2058.7	2050.4	1853.7
75°	472.8	514.7	615.1	669.5	493.8	418.4	560.7	732.3	1230.2	1247.0	1113.1
77.5°	435.2	414.3	514.7	590.0	401.7	322.2	451.9	552.3	677.9	686.2	636.0
80°	313.8	301.3	385.0	431.0	305.5	230.1	255.3	343.1	364.0	326.4	338.9
82.5°	200.9	205.0	230.1	276.2	188.3	125.5	175.7	230.1	196.7	159.0	188.3
85°	129.7	146.5	121.3	142.3	58.6	58.6	75.3	100.4	67.0	46.0	50.2
87.5°	0.0	0.0	8.4	16.7	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: P1501457
CATALOG NUMBER: GSS-SB4A-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2	2954.2
2.5°	2966.8	2962.6	2962.6	2971.0	2991.9	3000.2	3012.8	3008.6	3021.2	3012.8
5°	3025.4	3029.5	3042.1	3046.3	3058.8	3075.6	3079.8	3075.6	3083.9	3083.9
7.5°	3142.5	3159.3	3150.9	3171.8	3155.1	3134.2	3100.7	3075.6	3054.6	3063.0
10°	3339.2	3330.8	3326.6	3289.0	3213.7	3104.9	3017.0	2920.7	2904.0	2887.3
12.5°	3556.8	3548.4	3548.4	3418.7	3205.3	2979.3	2778.5	2627.8	2577.6	2573.4
15°	3862.2	3807.8	3757.6	3485.6	3058.8	2673.9	2439.5	2322.4	2293.1	2293.1
17.5°	4243.0	4100.8	4017.1	3435.4	2820.3	2473.0	2334.9	2305.6	2297.3	2318.2
20°	4715.9	4356.0	4234.7	3322.5	2732.4	2498.1	2431.2	2435.3	2439.5	2468.8
22.5°	5234.7	4590.3	4389.5	3322.5	2820.3	2657.1	2623.6	2669.7	2682.2	2707.3
25°	5812.2	4799.6	4527.6	3498.2	3079.8	2958.4	2916.6	2962.6	2996.1	3037.9
27.5°	6460.8	5017.2	4766.1	3816.2	3414.5	3339.2	3293.2	3314.1	3360.1	3410.3
30°	7042.4	5381.2	5130.1	4301.6	3870.6	3778.6	3699.1	3732.5	3782.7	3816.2
32.5°	7557.1	5824.7	5611.3	4812.1	4393.7	4234.7	4146.8	4138.4	4238.8	4213.7
35°	8030.0	6347.8	6142.8	5393.8	4925.1	4728.4	4611.3	4761.9	4694.9	4720.1
37.5°	8402.4	6891.8	6728.6	5950.3	5477.4	5209.6	5138.5	5322.6	5427.2	5456.5
40°	8707.8	7364.6	7193.1	6502.6	5983.8	5787.1	5900.1	6205.5	6193.0	6180.4
42.5°	8942.2	7770.5	7582.2	6921.1	6469.2	6506.8	6594.7	6799.7	6849.9	6778.8
45°	9046.8	8025.8	7875.1	7251.6	7021.5	7239.1	7276.8	7364.6	7331.1	7285.1
47.5°	9168.1	8251.7	8092.7	7552.9	7619.9	7833.3	7758.0	7686.8	7565.5	7494.3
50°	9373.2	8519.5	8385.6	7992.3	8235.0	8163.9	7870.9	7711.9	7465.1	7381.4
52.5°	9762.3	9025.9	8925.4	8686.9	8523.7	8113.6	7758.0	7473.4	7197.2	7084.3
55°	10109.6	9712.1	9653.5	9335.5	8435.8	7850.0	7373.0	6933.6	6460.8	6364.5
57.5°	10310.5	10850.3	10917.2	9611.7	8034.1	7251.6	6548.7	5845.7	5397.9	5318.4
60°	9712.1	12080.5	12114.0	9557.3	7310.2	6172.1	5100.8	4602.9	4121.7	3983.6
62.5°	8887.8	11825.2	11796.0	9230.9	5820.6	4502.5	3874.8	3640.5	3268.1	3155.1
65°	7640.8	9850.2	9883.7	7975.6	3870.6	3255.5	3255.5	2958.4	2544.1	2464.6
67.5°	6226.5	7594.8	7519.4	5172.0	2376.8	2606.9	2732.4	2305.6	1724.0	1627.7
70°	4046.4	5799.6	5695.0	2983.5	1493.8	2171.7	2150.8	1732.4	1234.4	1167.5
72.5°	1740.7	3351.7	3565.1	1523.1	1125.6	1749.1	1715.6	1213.5	824.3	795.0
75°	1050.3	1686.3	1837.0	970.8	820.2	1318.1	1188.4	769.9	560.7	539.8
77.5°	665.3	924.8	916.4	728.1	615.1	891.3	799.2	531.4	380.8	364.0
80°	385.0	456.1	472.8	456.1	414.3	636.0	510.5	385.0	297.1	276.2
82.5°	246.9	284.5	288.7	221.8	230.1	410.1	276.2	226.0	171.6	154.8
85°	108.8	121.3	117.2	75.3	75.3	167.4	96.2	92.1	67.0	67.0
87.5°	4.2	8.4	4.2	4.2	4.2	16.7	8.4	12.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

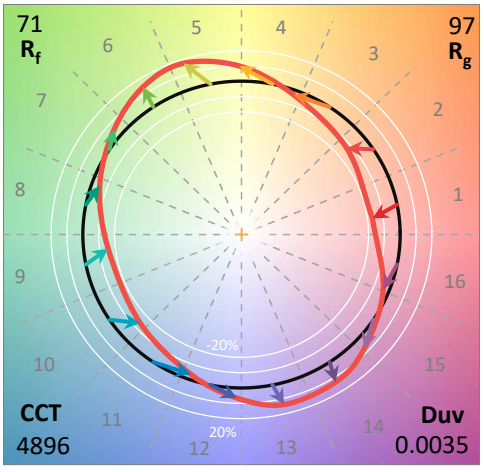
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

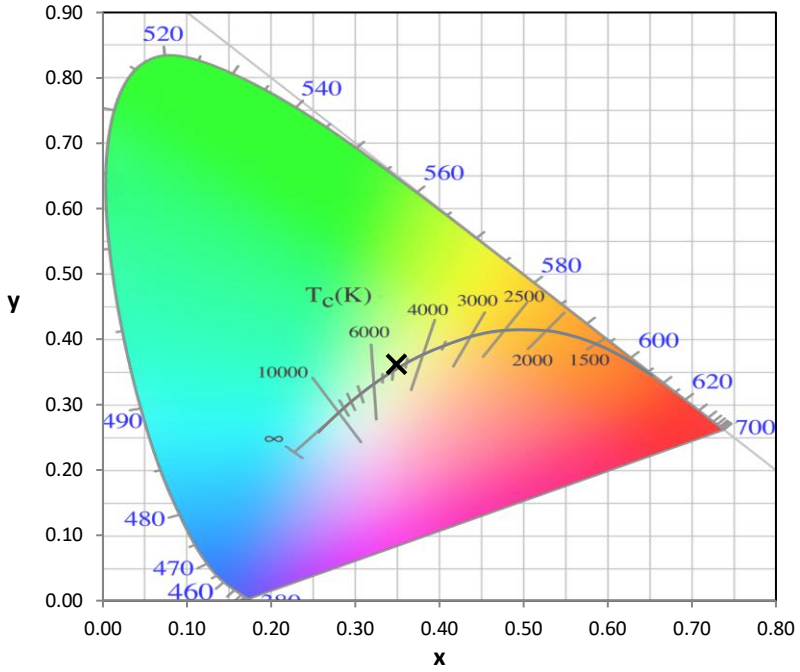
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

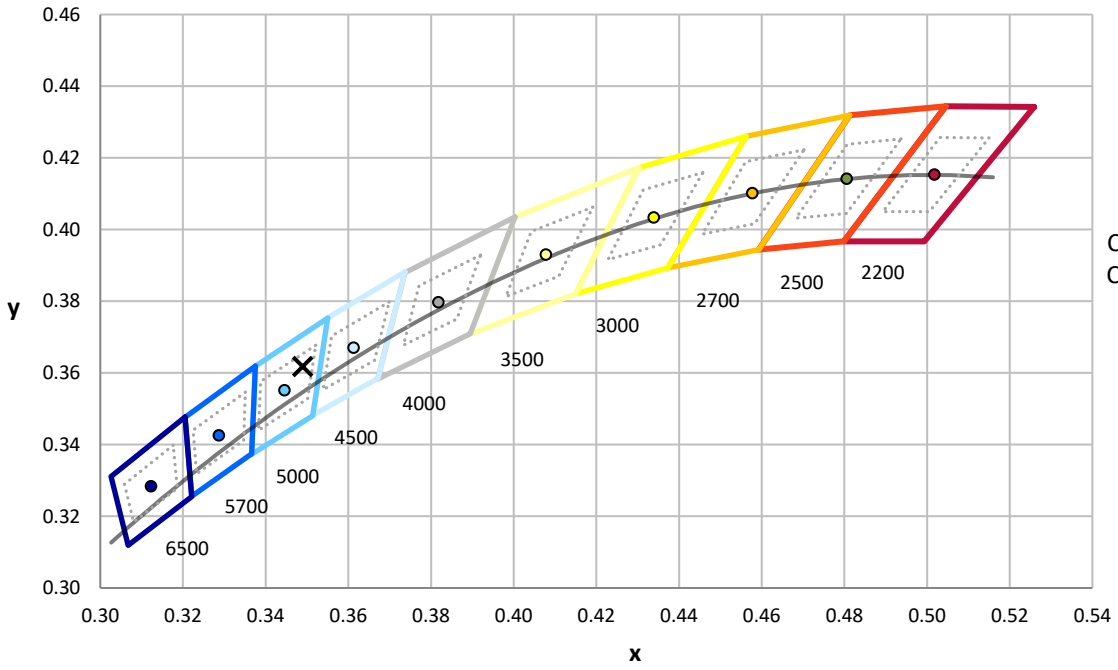
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

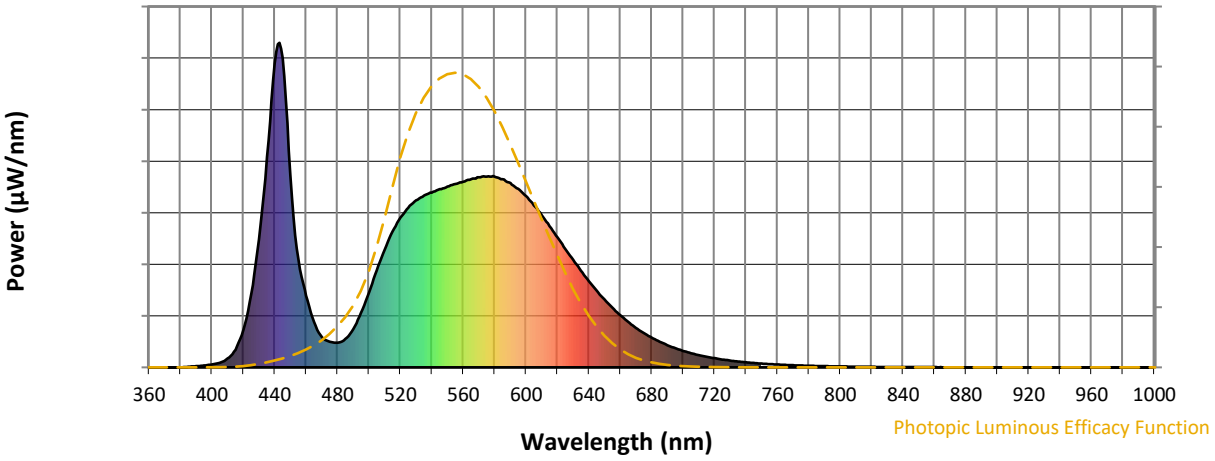


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

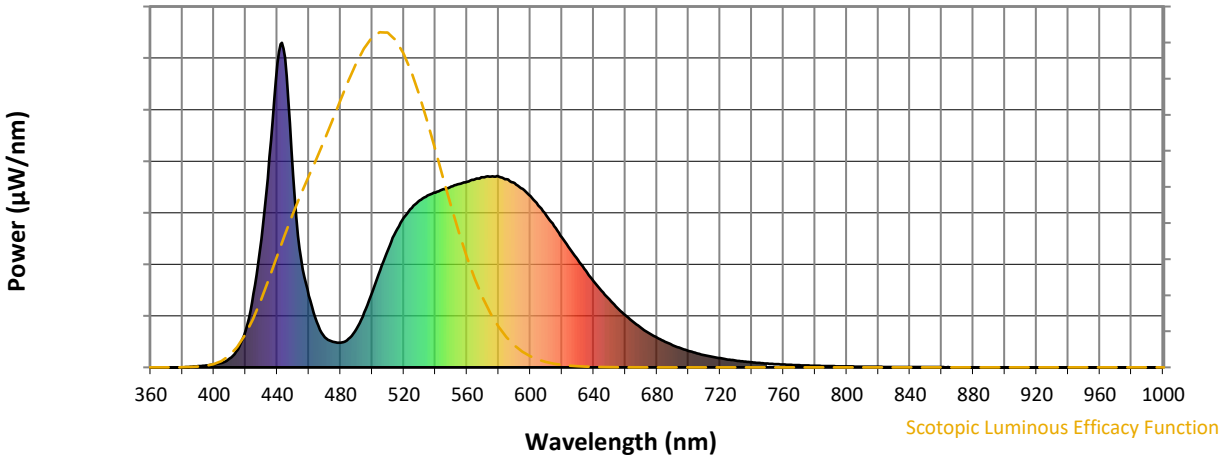


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

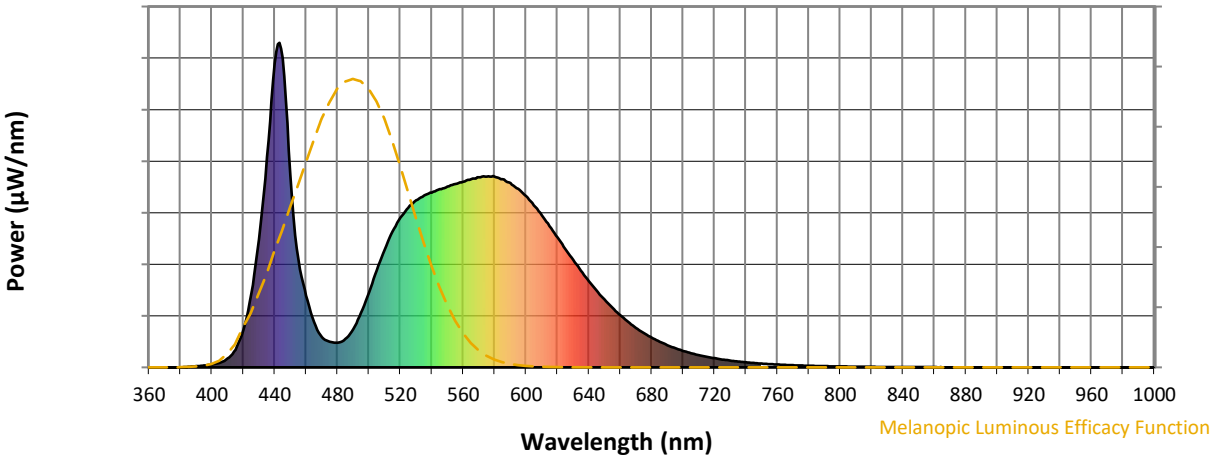


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

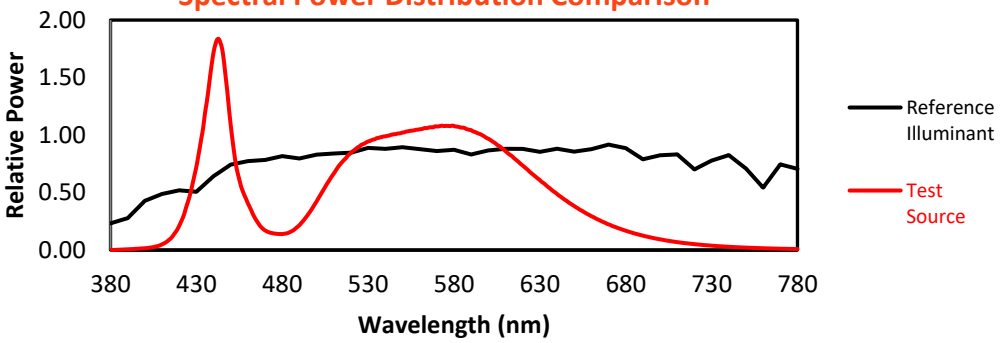
REPORT NUMBER: SP1-2407-184-6

TM-30-18

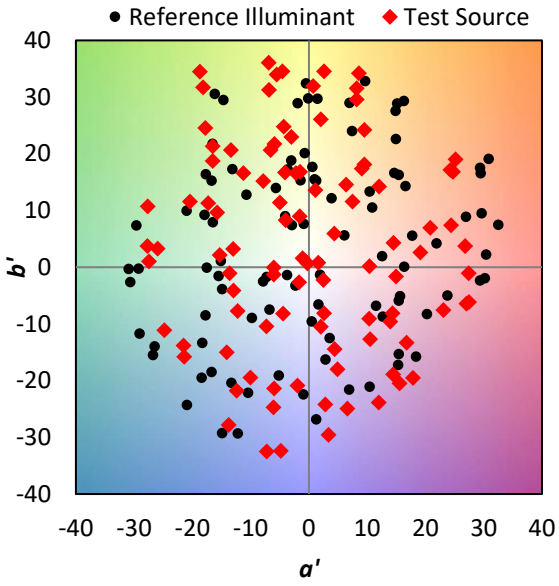
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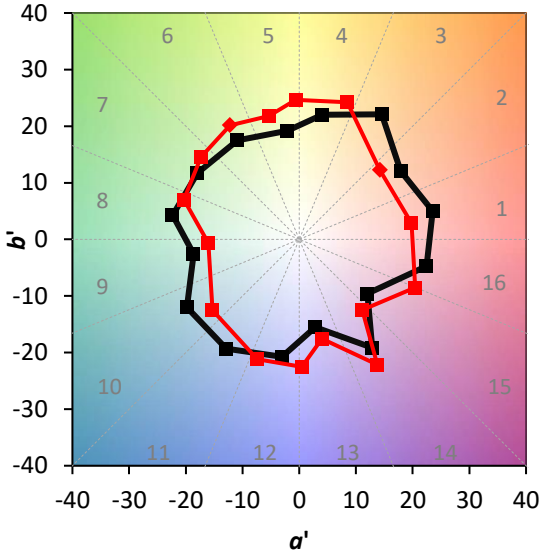
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R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

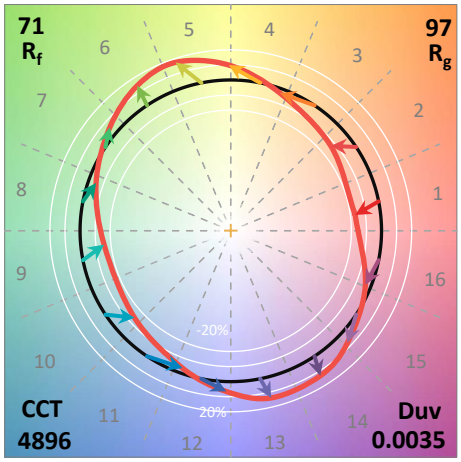
Spectral Power Distribution Comparison

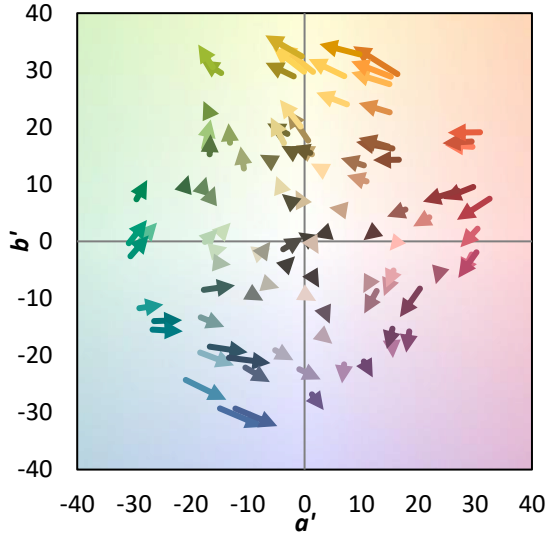


Color Vector Graphics







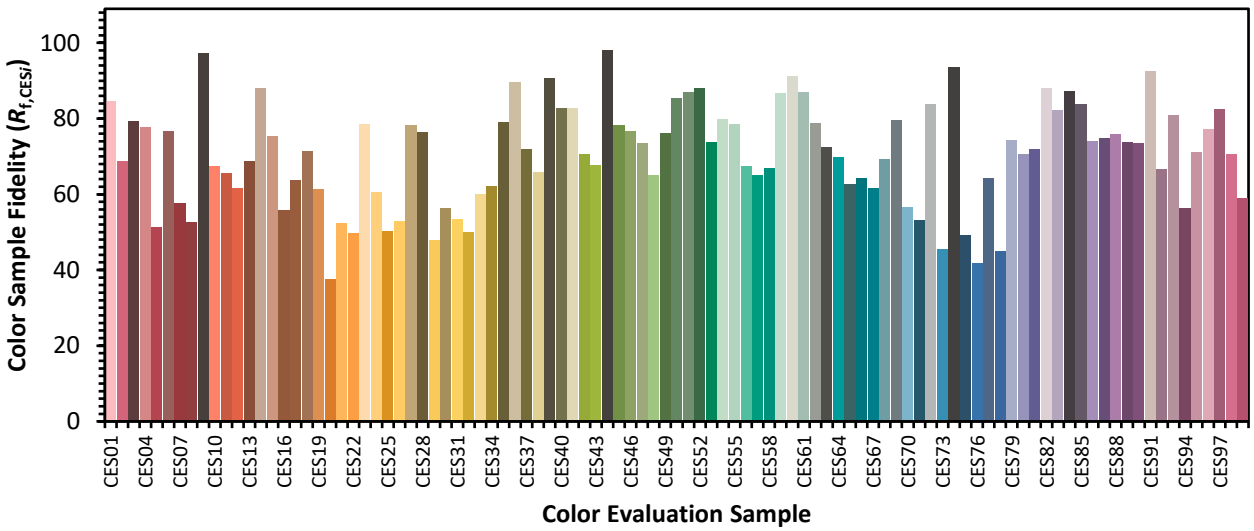


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Individual Sample Fidelity Index ($R_{f,i}$)

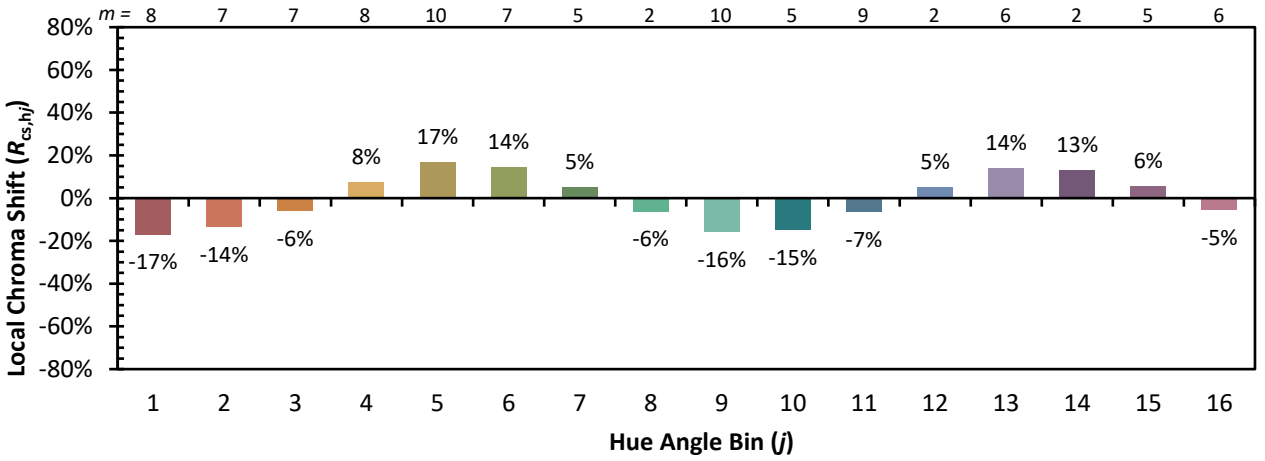
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

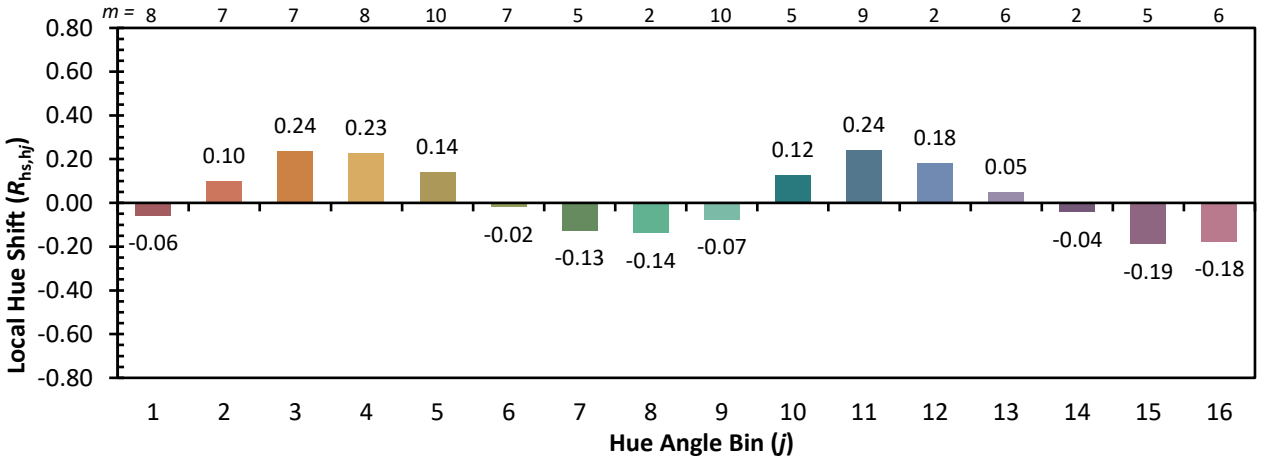


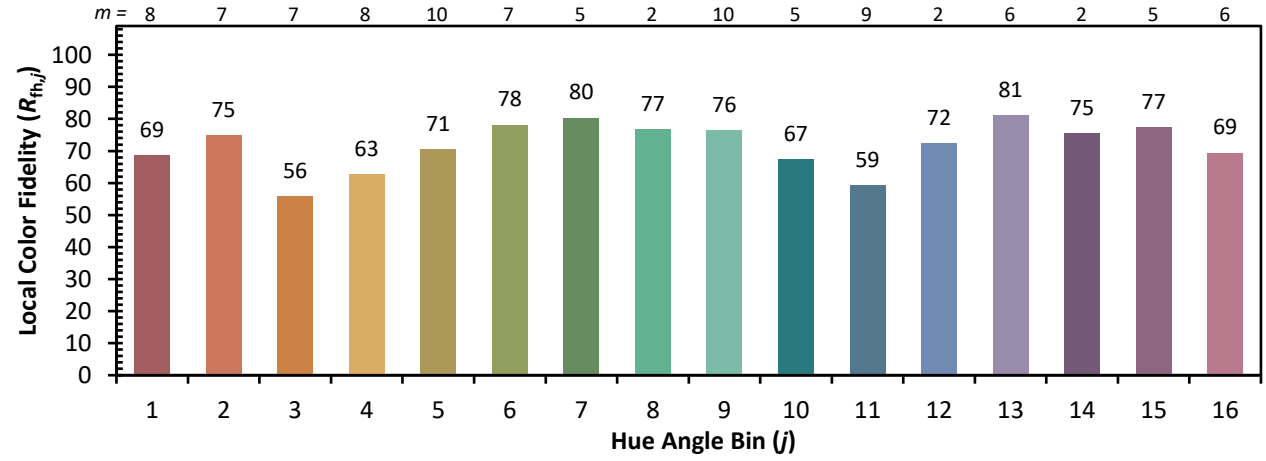
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Color Rendition by Hue-Angle Bin



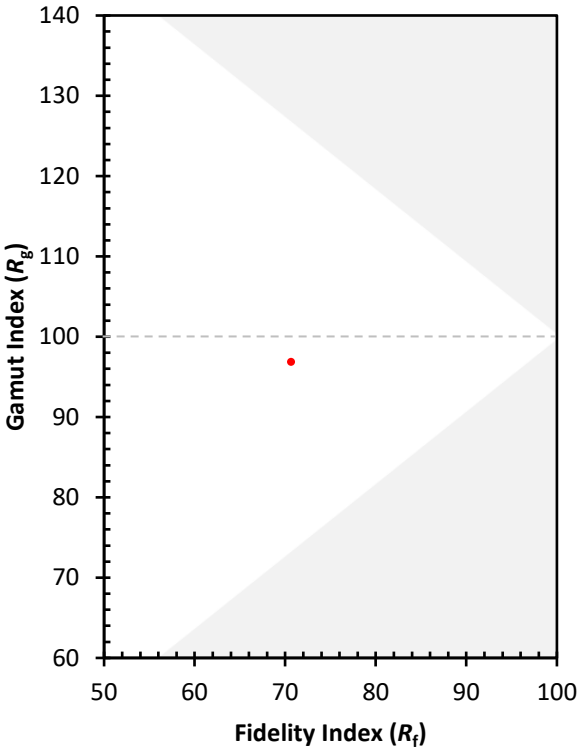


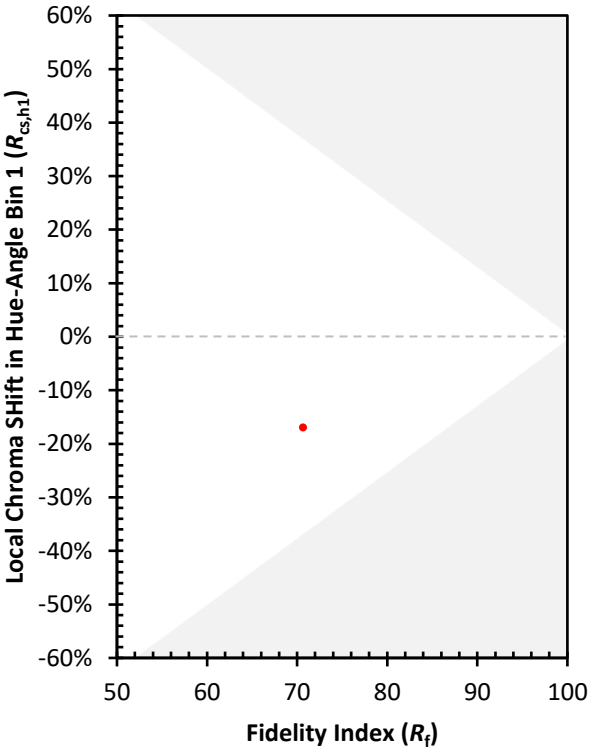


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Measure Comparisons





(END OF REPORT)