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: P1501365

Luminaire Tested: GSS-SB5A-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:	P1501365
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17915.2 lumens
Efficiency:	N/A
Efficacy:	125.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

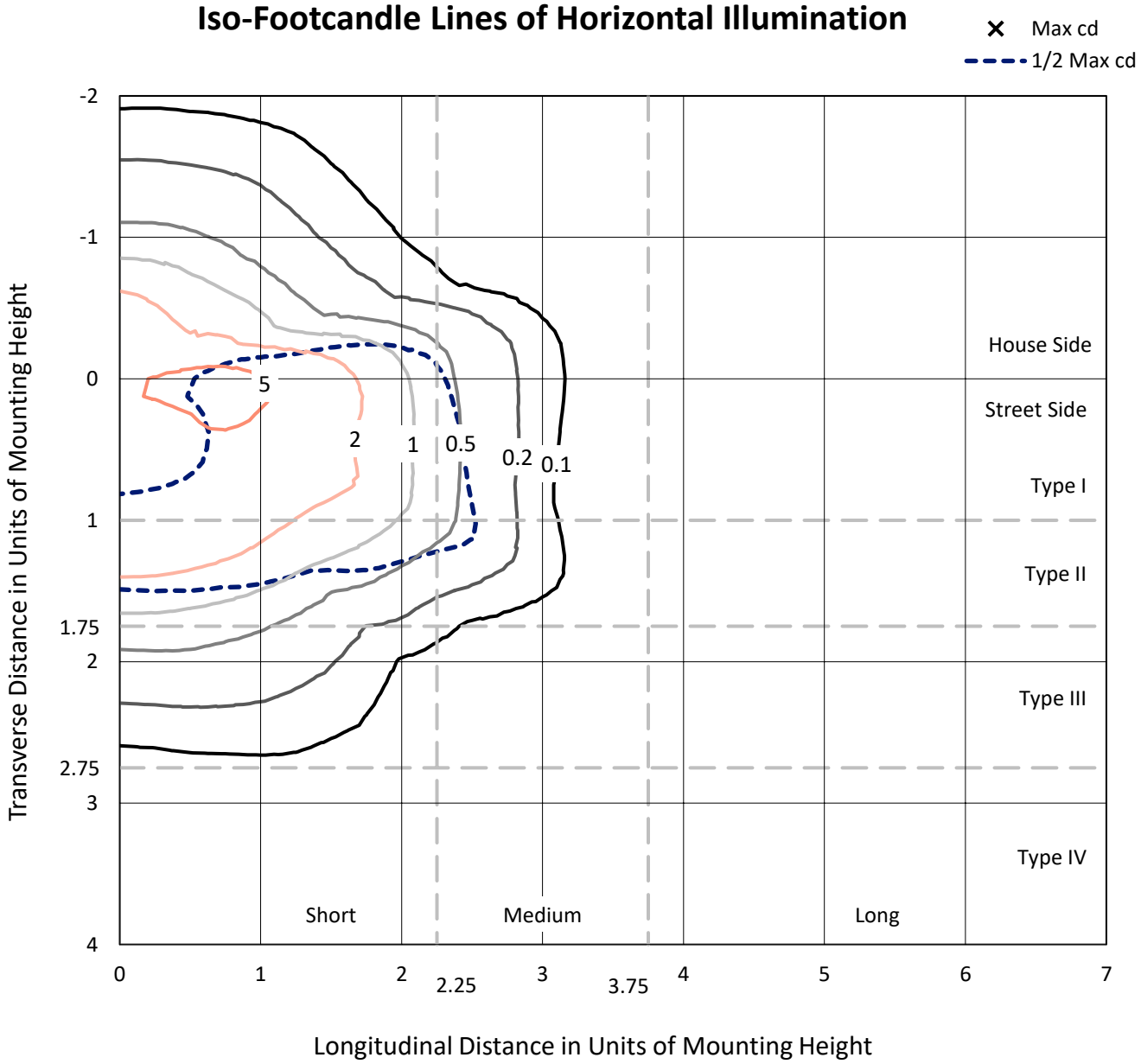
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



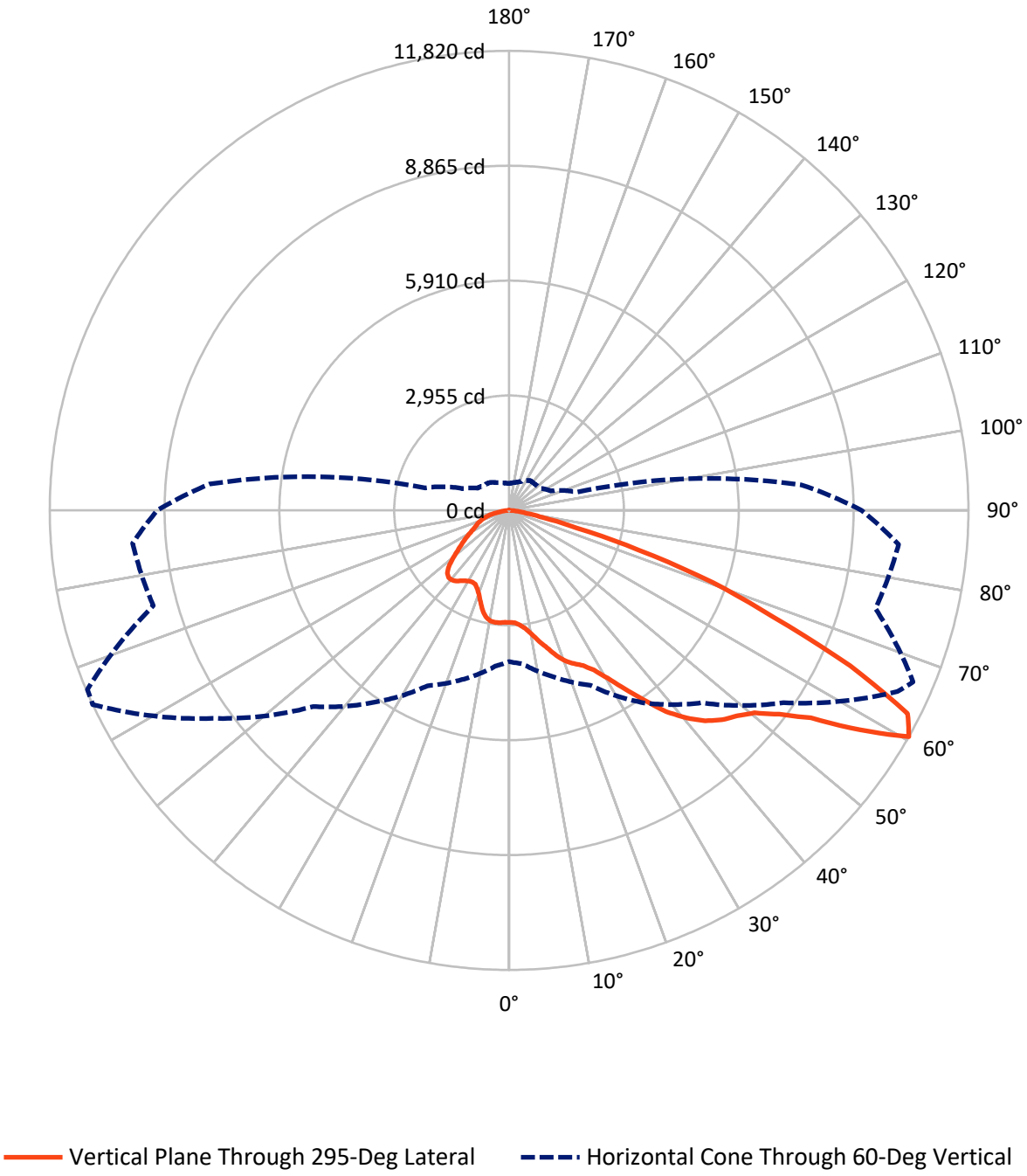
Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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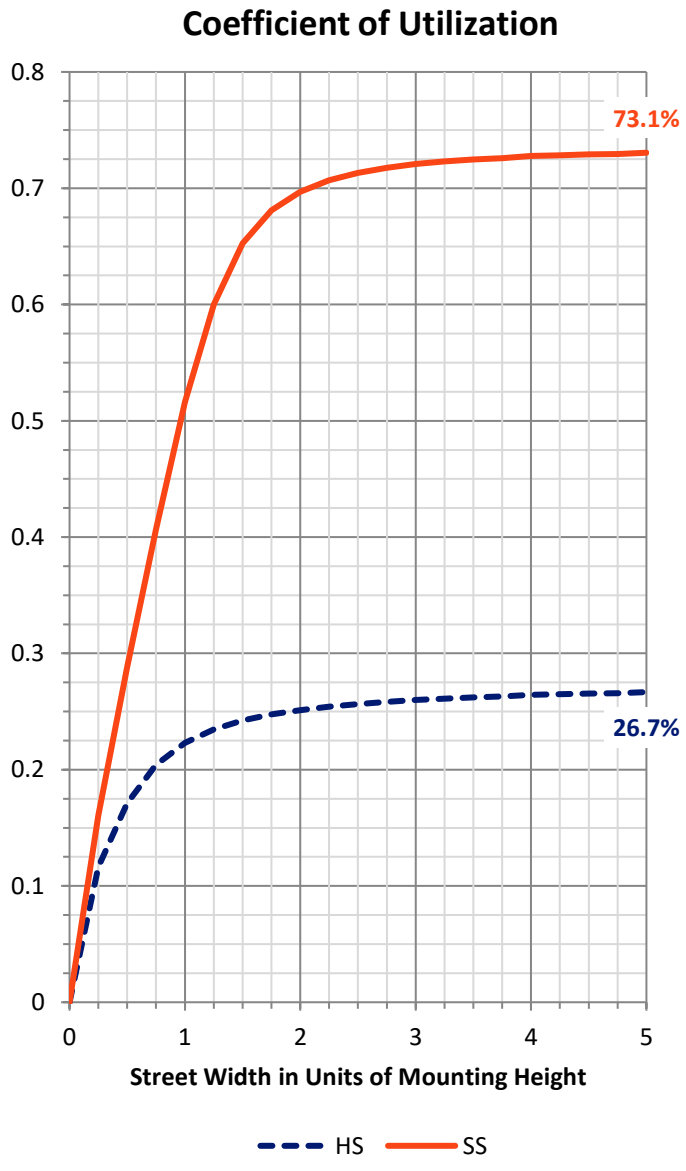
REPORT NUMBER: P1501365
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4817.6	0.0	4817.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	13097.6	0.0	13097.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	17915.2	0.0	17915.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.0	1.5
10°-20°	779.1	4.3
20°-30°	1475.7	8.2
30°-40°	2601.7	14.5
40°-50°	3847.6	21.5
50°-60°	4518.1	25.2
60°-70°	3273.6	18.3
70°-80°	1009.5	5.6
80°-90°	139.0	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°	17915.2	100.0
0°-180°	17915.2	100.0



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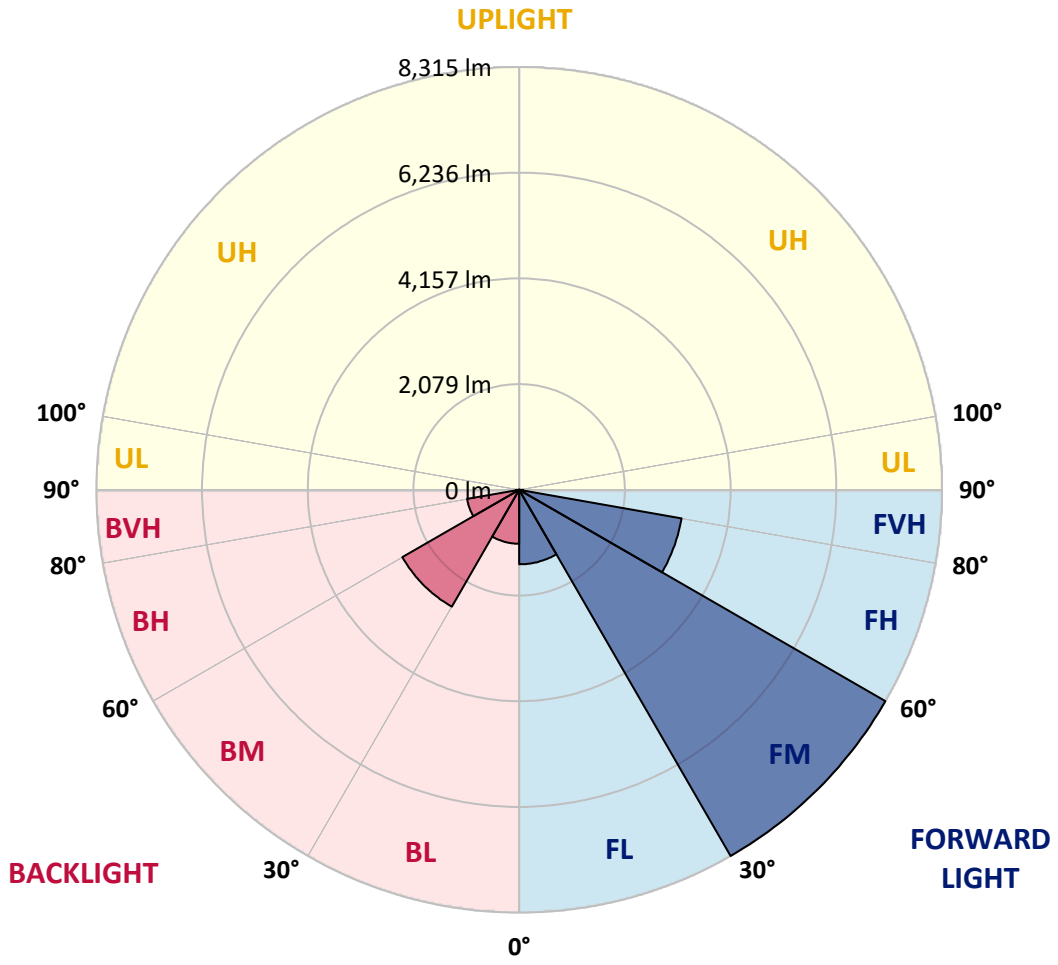
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1464.9	8.2			
FM	(30°-60°)	8314.6	46.4			
FH	(60°-80°)	3243.2	18.1			G2/5000
FVH	(80°-90°)	75.0	0.4			G1/100
BL	(0°-30°)	1061.0	5.9	B3/2500		
BM	(30°-60°)	2652.7	14.8	B3/5000		
BH	(60°-80°)	1039.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	64.0	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°	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5
2.5°	2939.6	2947.8	2935.6	2943.7	2943.7	2931.5	2927.4	2911.1	2919.2	2915.1	2911.1
5°	3009.0	3013.1	3005.0	3017.2	3017.2	3021.3	3017.2	2996.8	2996.8	2996.8	2988.6
7.5°	2988.6	2988.6	2992.7	3033.5	3074.4	3127.4	3127.4	3119.3	3127.4	3123.4	3086.6
10°	2817.2	2833.5	2870.2	2972.3	3070.3	3184.6	3262.2	3286.7	3286.7	3290.8	3229.5
12.5°	2510.9	2523.2	2608.9	2764.1	2968.2	3176.4	3364.3	3486.7	3499.0	3519.4	3437.7
15°	2237.4	2245.6	2306.8	2466.0	2698.8	3066.2	3421.4	3674.5	3715.4	3801.1	3678.6
17.5°	2261.9	2257.8	2274.1	2335.4	2502.8	2886.6	3409.2	3895.0	3968.5	4119.6	4013.4
20°	2408.9	2408.9	2421.1	2433.4	2494.6	2755.9	3319.3	4074.7	4217.6	4511.5	4389.0
22.5°	2641.6	2641.6	2637.5	2657.9	2657.9	2813.1	3323.4	4209.4	4421.7	4948.4	4830.0
25°	2964.1	2947.8	2947.8	2956.0	2919.2	3029.5	3425.5	4348.2	4625.8	5466.9	5364.8
27.5°	3327.5	3339.8	3331.6	3303.0	3254.0	3339.8	3670.5	4564.6	4854.5	6014.0	5973.2
30°	3723.5	3727.6	3735.8	3719.5	3678.6	3739.9	4054.2	4891.2	5156.6	6585.6	6675.4
32.5°	4111.4	4168.6	4148.2	4107.3	4123.7	4233.9	4527.9	5332.2	5605.7	7116.4	7434.8
35°	4605.4	4625.8	4707.5	4556.4	4560.5	4748.3	5132.1	5911.9	6177.3	7667.6	8194.2
37.5°	5324.0	5360.8	5324.0	5087.2	5050.5	5311.8	5720.0	6483.5	6675.4	8084.0	8900.6
40°	6030.3	6075.3	6136.5	5858.9	5626.1	5842.5	6275.3	6920.4	7120.5	8312.6	9370.1
42.5°	6614.2	6687.7	6622.3	6540.7	6328.4	6369.2	6663.2	7259.3	7459.3	8602.5	9843.7
45°	7108.2	7120.5	7149.0	7091.9	6985.7	6949.0	6993.9	7557.3	7777.8	8733.2	10076.4
47.5°	7312.3	7365.4	7389.9	7487.9	7598.1	7524.7	7275.6	7696.1	7896.2	8725.0	10149.9
50°	7202.1	7255.2	7385.8	7618.6	7883.9	8014.6	7606.3	7888.0	8112.6	8872.0	10301.0
52.5°	6912.2	6969.4	7181.7	7447.1	7892.1	8190.2	8071.8	8288.1	8504.5	9133.3	10554.1
55°	6210.0	6295.7	6593.8	7034.7	7647.1	8096.3	8561.7	8876.1	9112.9	9447.7	10815.4
57.5°	5189.3	5279.1	5613.9	6275.3	7193.9	7708.4	8704.6	9978.4	10084.6	9823.3	10839.9
60°	*3886.9*	*3960.3*	*4434.0*	*4964.7*	*6042.6*	*6998.0*	*8622.9*	*11023.6*	*11293.1*	*9758.0*	*10060.1*
62.5°	3078.5	3168.3	3588.8	3833.8	4605.4	5781.3	8337.1	11313.5	11546.2	9219.0	8974.1
65°	2404.8	2466.0	2858.0	3209.1	3396.9	3948.1	7145.0	9896.8	10105.0	8341.2	7406.3
67.5°	1588.2	1682.1	2147.6	2629.3	2727.3	2510.9	4915.7	7614.5	7712.5	6630.5	5569.0
70°	1139.1	1184.0	1531.1	2045.5	2192.5	1682.1	2678.3	5765.0	5793.5	4450.3	3752.1
72.5°	775.7	783.9	1041.1	1567.8	1747.5	1220.8	1473.9	3797.0	3699.0	2196.6	2147.6
75°	526.7	534.9	665.5	1045.2	1237.1	849.2	959.5	2070.0	1988.3	1212.6	1302.4
77.5°	355.2	363.4	457.3	702.2	824.7	587.9	702.2	1094.2	1073.8	804.3	698.2
80°	269.5	281.7	338.9	449.1	575.7	343.0	400.1	518.5	526.7	428.7	355.2
82.5°	151.1	167.4	204.1	228.6	371.5	191.9	191.9	310.3	298.0	265.4	191.9
85°	65.3	69.4	81.7	85.7	151.1	81.7	69.4	134.7	138.8	130.7	61.2
87.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	16.3	16.3	16.3	16.3
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°	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5
2.5°	2890.6	2915.1	2890.6	2878.4	2878.4	2858.0	2849.8	2849.8	2821.2	2833.5	2825.3
5°	2956.0	2964.1	2935.6	2898.8	2849.8	2809.0	2751.8	2678.3	2633.4	2629.3	2633.4
7.5°	3058.0	3062.1	2984.5	2902.9	2780.4	2633.4	2457.9	2315.0	2188.4	2168.0	2192.5
10°	3200.9	3192.8	3078.5	2886.6	2629.3	2319.0	2049.6	1918.9	1845.4	1841.4	1837.3
12.5°	3392.8	3339.8	3164.2	2817.2	2368.0	2008.8	1869.9	1861.8	1882.2	1898.5	1902.6
15°	3613.3	3543.9	3233.6	2682.4	2102.7	1894.4	1902.6	1972.0	1996.5	2012.8	2012.8
17.5°	3886.9	3797.0	3311.2	2490.5	1967.9	1918.9	1976.1	2041.4	2082.2	2098.6	2094.5
20°	4250.2	4062.4	3372.4	2306.8	1931.2	1959.8	2008.8	2074.1	2114.9	2135.3	2135.3
22.5°	4613.6	4380.9	3384.7	2180.2	1931.2	1963.8	2008.8	2074.1	2119.0	2139.4	2135.3
25°	5107.6	4789.2	3388.7	2090.4	1935.3	1943.4	1984.3	2041.4	2106.7	2127.2	2135.3
27.5°	5634.3	5238.3	3409.2	2070.0	1918.9	1914.8	1943.4	1996.5	2061.8	2114.9	2119.0
30°	6287.6	5744.5	3417.3	2090.4	1923.0	1869.9	1890.4	1943.4	2012.8	2065.9	2082.2
32.5°	6928.6	6214.1	3401.0	2135.3	1931.2	1841.4	1845.4	1878.1	1951.6	1988.3	2016.9
35°	7606.3	6712.2	3372.4	2196.6	1935.3	1829.1	1792.4	1808.7	1857.7	1861.8	1874.0
37.5°	8137.1	7083.7	3286.7	2278.2	1943.4	1784.2	1710.7	1698.5	1678.0	1637.2	1645.4
40°	8573.9	7332.8	3143.8	2319.0	1923.0	1731.1	1608.6	1551.5	1473.9	1412.7	1424.9
42.5°	8888.3	7500.2	2972.3	2327.2	1890.4	1641.3	1490.2	1392.2	1306.5	1241.2	1245.3
45°	9027.1	7483.8	2788.6	2266.0	1812.8	1531.1	1380.0	1286.1	1192.2	1122.8	1114.6
47.5°	9031.2	7324.6	2535.4	2119.0	1682.1	1404.5	1277.9	1175.9	1098.3	1049.3	1045.2
50°	9063.9	7234.8	2298.6	1906.7	1510.6	1269.8	1188.1	1086.0	1041.1	971.7	951.3
52.5°	9268.0	7381.8	2135.3	1674.0	1351.4	1171.8	1110.5	1020.7	947.2	902.3	898.2
55°	9598.7	7634.9	2045.5	1498.4	1200.4	1077.9	1037.0	959.5	894.1	849.2	837.0
57.5°	9639.6	7765.5	1939.3	1335.1	1077.9	1004.4	988.0	902.3	808.4	775.7	763.5
60°	*9068.0*	*7545.1*	*1808.7*	*1184.0*	*988.0*	*947.2*	*939.1*	*824.7*	*747.2*	*706.3*	*690.0*
62.5°	8288.1	6993.9	1608.6	1045.2	918.6	890.1	857.4	767.6	669.6	624.7	612.4
65°	6773.4	5879.3	1367.7	951.3	849.2	816.6	808.4	685.9	620.6	596.1	592.0
67.5°	5132.1	4723.8	1204.4	881.9	775.7	763.5	734.9	694.1	665.5	636.9	628.8
70°	3629.6	3409.2	1024.8	792.1	702.2	681.8	800.2	755.3	653.3	616.5	612.4
72.5°	2200.6	2139.4	886.0	710.4	604.3	636.9	739.0	681.8	587.9	543.0	526.7
75°	1388.2	1269.8	743.1	604.3	481.8	518.5	645.1	608.3	506.3	461.4	449.1
77.5°	755.3	702.2	559.3	494.0	379.7	420.5	563.4	502.2	404.2	440.9	392.0
80°	330.7	367.5	371.5	285.8	253.1	310.3	404.2	392.0	310.3	314.4	261.3
82.5°	159.2	208.2	240.9	196.0	142.9	183.7	269.5	224.6	208.2	196.0	187.8
85°	49.0	77.6	106.2	93.9	65.3	77.6	126.6	122.5	147.0	126.6	118.4
87.5°	16.3	16.3	12.2	12.2	12.2	16.3	20.4	12.2	4.1	4.1	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°	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5
2.5°	2821.2	2825.3	2825.3	2829.4	2829.4	2841.6	2858.0	2874.3	2862.1	2878.4	2882.5
5°	2625.3	2645.7	2662.0	2723.2	2772.2	2813.1	2858.0	2898.8	2911.1	2919.2	2939.6
7.5°	2163.9	2221.1	2327.2	2466.0	2621.2	2772.2	2874.3	2980.5	2996.8	3017.2	3045.8
10°	1841.4	1865.9	1939.3	2082.2	2359.9	2657.9	2907.0	3074.4	3143.8	3184.6	3213.2
12.5°	1894.4	1878.1	1865.9	1886.3	2065.9	2449.7	2886.6	3209.1	3339.8	3384.7	3421.4
15°	2021.0	2004.7	1959.8	1902.6	1923.0	2229.2	2817.2	3335.7	3543.9	3617.4	3695.0
17.5°	2094.5	2078.2	2041.4	1980.2	1927.1	2045.5	2686.5	3450.0	3866.4	3956.3	4066.5
20°	2135.3	2119.0	2082.2	2021.0	1959.8	1976.1	2519.1	3592.9	4233.9	4376.8	4540.1
22.5°	2143.5	2123.1	2082.2	2021.0	1984.3	1972.0	2359.9	3678.6	4629.9	4850.4	5038.2
25°	2139.4	2102.7	2049.6	2004.7	1984.3	1980.2	2249.6	3727.6	5058.6	5409.7	5622.1
27.5°	2110.8	2065.9	2012.8	1980.2	1972.0	1996.5	2200.6	3784.8	5560.8	6009.9	6348.8
30°	2078.2	2012.8	1947.5	1935.3	1955.7	2033.2	2241.5	3805.2	6087.5	6663.2	7010.2
32.5°	1992.4	1943.4	1878.1	1874.0	1923.0	2061.8	2335.4	3776.6	6552.9	7316.4	7753.3
35°	1869.9	1841.4	1804.6	1816.9	1894.4	2086.3	2400.7	3686.8	6977.6	7924.8	8435.1
37.5°	1653.5	1674.0	1694.4	1723.0	1820.9	2082.2	2429.3	3543.9	7328.7	8410.6	9063.9
40°	1412.7	1482.1	1547.4	1620.9	1751.5	2049.6	2437.4	3368.3	7532.8	8778.1	9623.2
42.5°	1261.6	1326.9	1408.6	1514.7	1657.6	1976.1	2429.3	3172.4	7598.1	9031.2	9978.4
45°	1122.8	1200.4	1302.4	1412.7	1576.0	1869.9	2355.8	2960.1	7630.8	9149.6	10129.5
47.5°	1049.3	1094.2	1188.1	1298.3	1469.8	1739.3	2212.9	2804.9	7581.8	9174.1	10313.2
50°	963.5	1024.8	1086.0	1192.2	1359.6	1576.0	2041.4	2715.1	7663.5	9415.0	10603.1
52.5°	898.2	930.9	996.2	1094.2	1216.7	1424.9	1878.1	2641.6	7888.0	9660.0	10905.2
55°	849.2	886.0	926.8	1008.5	1102.4	1273.8	1710.7	2531.4	8149.3	9921.3	11207.4
57.5°	771.7	796.2	853.3	939.1	1000.3	1126.9	1514.7	2400.7	8128.9	9717.1	10684.8
60°	*702.2*	*726.7*	*788.0*	*873.7*	*910.5*	*996.2*	*1322.8*	*2233.3*	*7737.0*	*9051.6*	*9721.2*
62.5°	624.7	653.3	726.7	788.0	820.6	886.0	1122.8	1927.1	6920.4	8051.3	8594.4
65°	592.0	608.3	657.3	730.8	726.7	788.0	947.2	1514.7	5569.0	6152.8	6646.8
67.5°	628.8	653.3	645.1	665.5	653.3	685.9	849.2	1216.7	4376.8	4634.0	4919.8
70°	620.6	677.7	706.3	665.5	571.6	608.3	734.9	971.7	3131.5	3107.0	3094.8
72.5°	543.0	600.2	681.8	722.7	559.3	506.3	636.9	841.1	2008.8	2000.6	1808.7
75°	461.4	502.2	600.2	653.3	481.8	408.3	547.1	714.5	1200.4	1216.7	1086.0
77.5°	424.6	404.2	502.2	575.7	392.0	314.4	440.9	538.9	661.4	669.6	620.6
80°	306.2	294.0	375.6	420.5	298.0	224.6	249.1	334.8	355.2	318.5	330.7
82.5°	196.0	200.1	224.6	269.5	183.7	122.5	171.5	224.6	191.9	155.1	183.7
85°	126.6	142.9	118.4	138.8	57.2	57.2	73.5	98.0	65.3	44.9	49.0
87.5°	0.0	0.0	8.2	16.3	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: P1501365
CATALOG NUMBER: GSS-SB5A-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5	2882.5
2.5°	2894.7	2890.6	2890.6	2898.8	2919.2	2927.4	2939.6	2935.6	2947.8	2939.6
5°	2951.9	2956.0	2968.2	2972.3	2984.5	3000.9	3005.0	3000.9	3009.0	3009.0
7.5°	3066.2	3082.5	3074.4	3094.8	3078.5	3058.0	3025.4	3000.9	2980.5	2988.6
10°	3258.1	3249.9	3245.8	3209.1	3135.6	3029.5	2943.7	2849.8	2833.5	2817.2
12.5°	3470.4	3462.2	3462.2	3335.7	3127.4	2907.0	2711.0	2564.0	2515.0	2510.9
15°	3768.5	3715.4	3666.4	3401.0	2984.5	2608.9	2380.3	2266.0	2237.4	2237.4
17.5°	4140.0	4001.2	3919.5	3352.0	2751.8	2413.0	2278.2	2249.6	2241.5	2261.9
20°	4601.3	4250.2	4131.8	3241.8	2666.1	2437.4	2372.1	2376.2	2380.3	2408.9
22.5°	5107.6	4478.9	4282.9	3241.8	2751.8	2592.6	2559.9	2604.8	2617.1	2641.6
25°	5671.1	4683.0	4417.6	3413.2	3005.0	2886.6	2845.7	2890.6	2923.3	2964.1
27.5°	6303.9	4895.3	4650.3	3723.5	3331.6	3258.1	3213.2	3233.6	3278.5	3327.5
30°	6871.4	5250.5	5005.5	4197.1	3776.6	3686.8	3609.2	3641.9	3690.9	3723.5
32.5°	7373.6	5683.3	5475.1	4695.3	4287.0	4131.8	4046.1	4037.9	4135.9	4111.4
35°	7835.0	6193.7	5993.6	5262.8	4805.5	4613.6	4499.3	4646.3	4580.9	4605.4
37.5°	8198.3	6724.4	6565.2	5805.8	5344.4	5083.1	5013.7	5193.4	5295.4	5324.0
40°	8496.4	7185.8	7018.4	6344.7	5838.4	5646.6	5756.8	6054.8	6042.6	6030.3
42.5°	8725.0	7581.8	7398.1	6753.0	6312.1	6348.8	6434.5	6634.6	6683.6	6614.2
45°	8827.1	7830.9	7683.9	7075.5	6851.0	7063.3	7100.0	7185.8	7153.1	7108.2
47.5°	8945.5	8051.3	7896.2	7369.5	7434.8	7643.1	7569.6	7500.2	7381.8	7312.3
50°	9145.5	8312.6	8182.0	7798.2	8035.0	7965.6	7679.8	7524.7	7283.8	7202.1
52.5°	9525.2	8806.7	8708.7	8476.0	8316.7	7916.6	7569.6	7291.9	7022.5	6912.2
55°	9864.1	9476.2	9419.1	9108.8	8231.0	7659.4	7193.9	6765.2	6303.9	6210.0
57.5°	10060.1	10586.8	10652.1	9378.3	7839.0	7075.5	6389.6	5703.7	5266.9	5189.3
60°	9476.2	11787.1	11819.8	9325.2	7132.7	6022.2	4977.0	4491.1	4021.6	3886.9
62.5°	8671.9	11538.1	11509.5	9006.7	5679.2	4393.1	3780.7	3552.1	3188.7	3078.5
65°	7455.2	9611.0	9643.6	7781.9	3776.6	3176.4	3176.4	2886.6	2482.4	2404.8
67.5°	6075.3	7410.3	7336.8	5046.4	2319.0	2543.6	2666.1	2249.6	1682.1	1588.2
70°	3948.1	5658.8	5556.7	2911.1	1457.6	2119.0	2098.6	1690.3	1204.4	1139.1
72.5°	1698.5	3270.3	3478.6	1486.2	1098.3	1706.6	1674.0	1184.0	804.3	775.7
75°	1024.8	1645.4	1792.4	947.2	800.2	1286.1	1159.5	751.2	547.1	526.7
77.5°	649.2	902.3	894.1	710.4	600.2	869.6	779.8	518.5	371.5	355.2
80°	375.6	445.0	461.4	445.0	404.2	620.6	498.1	375.6	289.9	269.5
82.5°	240.9	277.6	281.7	216.4	224.6	400.1	269.5	220.5	167.4	151.1
85°	106.2	118.4	114.3	73.5	73.5	163.3	93.9	89.8	65.3	65.3
87.5°	4.1	8.2	4.1	4.1	4.1	16.3	8.2	12.2	12.2	12.2
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

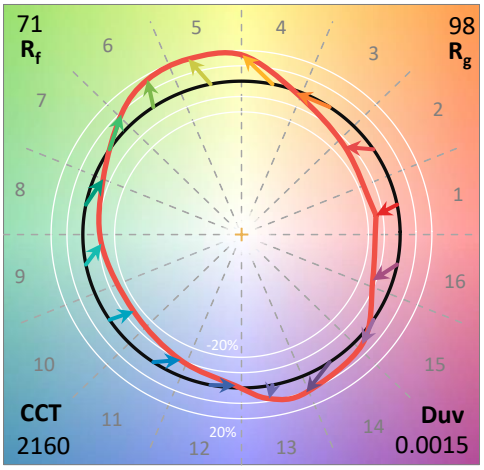
Test Information

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

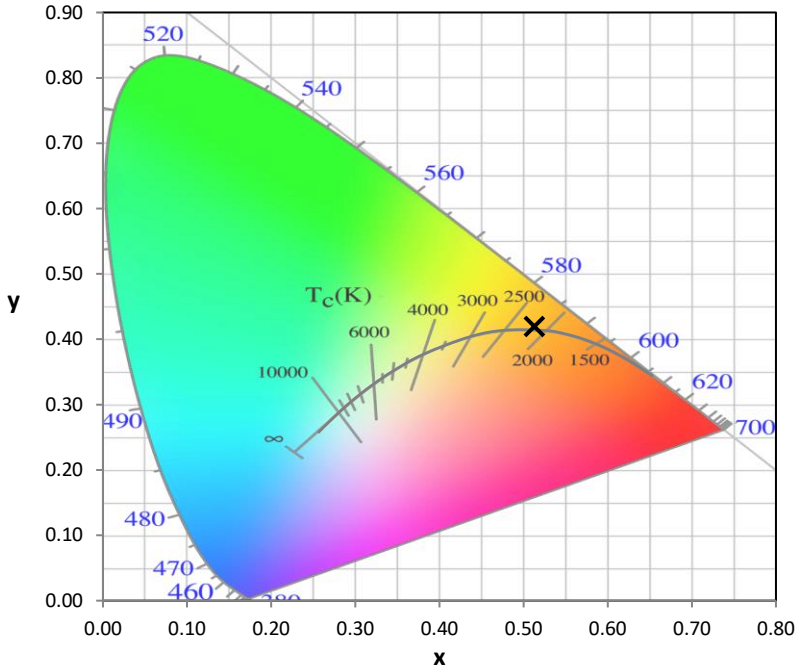
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

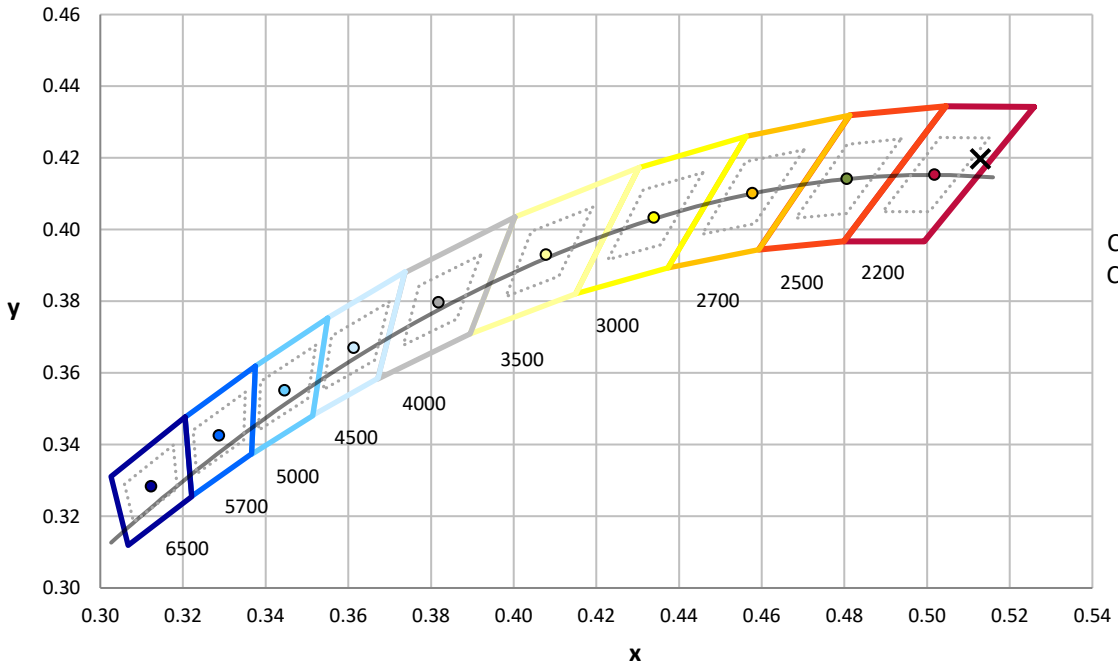
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

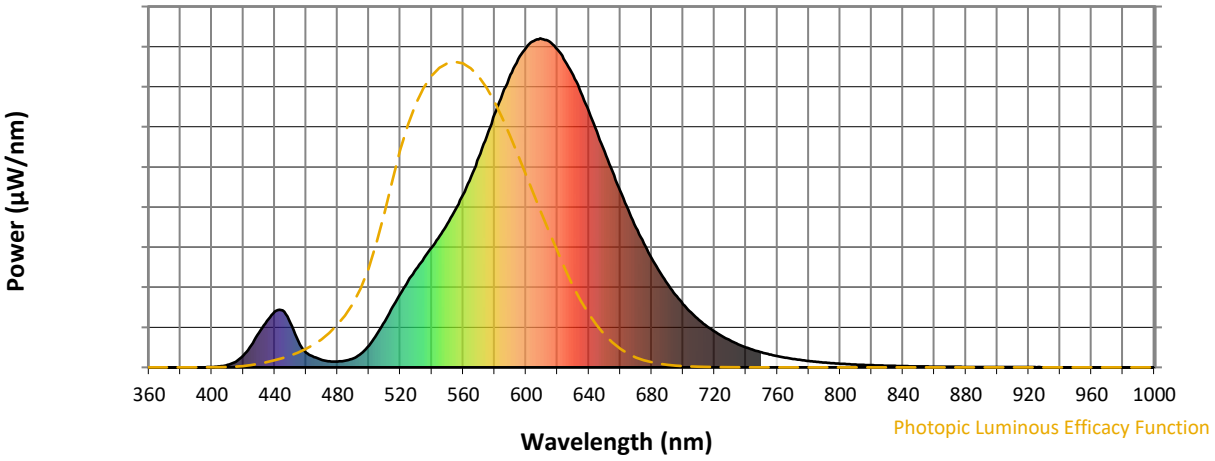


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

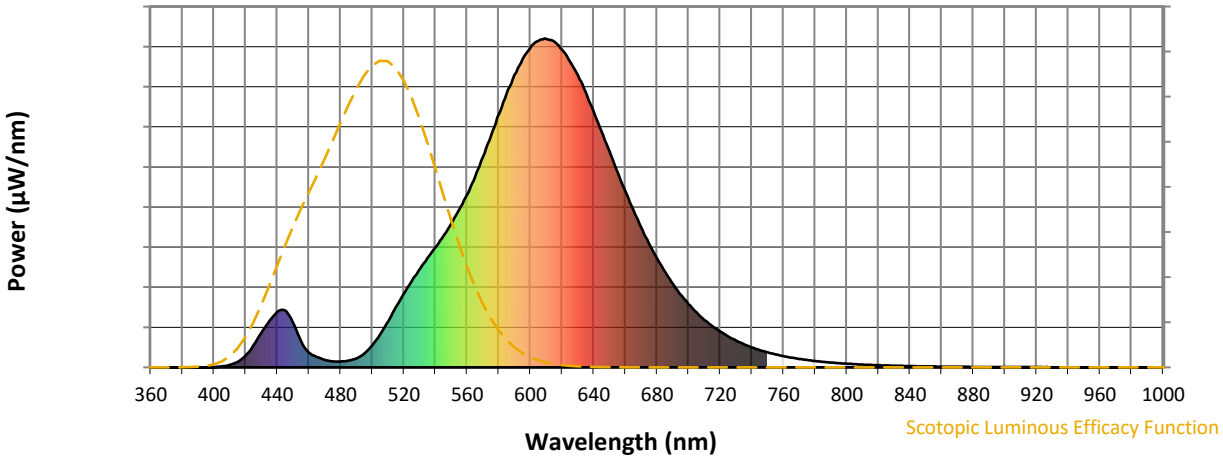


Photopic Lumens: NR

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

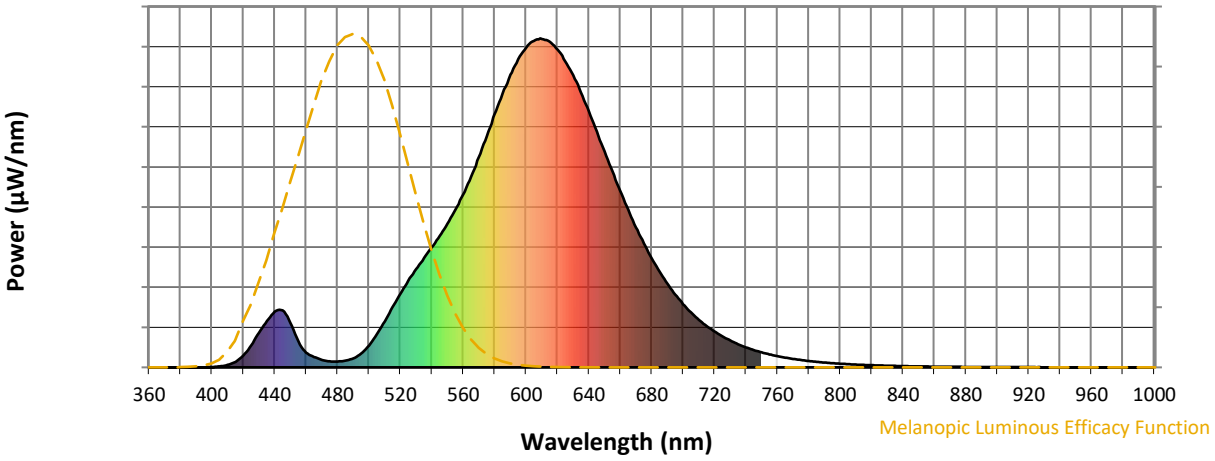


Scotopic Lumens: NR **S/P: 0.8**

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			

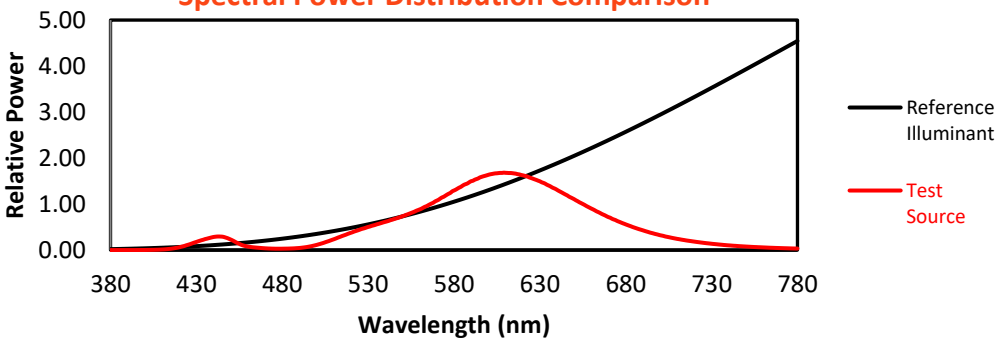
REPORT NUMBER: SP1-2407-184-2

TM-30-18

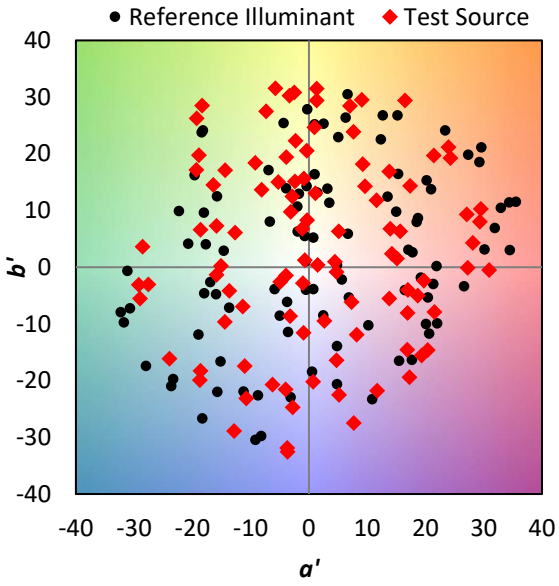
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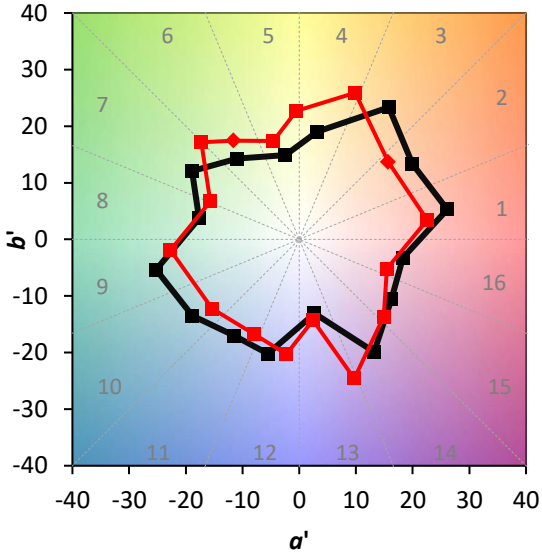
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

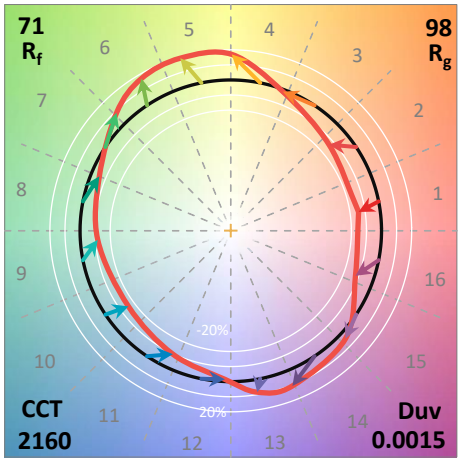
Spectral Power Distribution Comparison

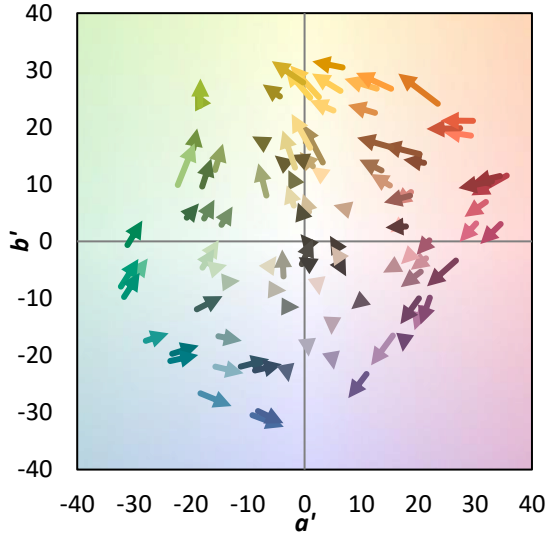


Color Vector Graphics







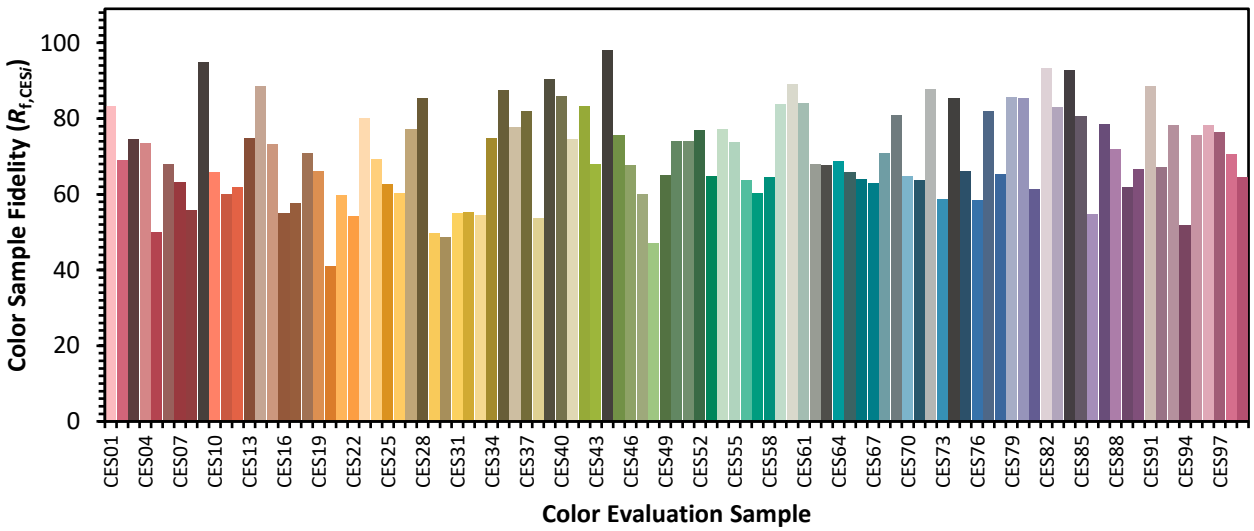


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Individual Sample Fidelity Index ($R_{f,i}$)

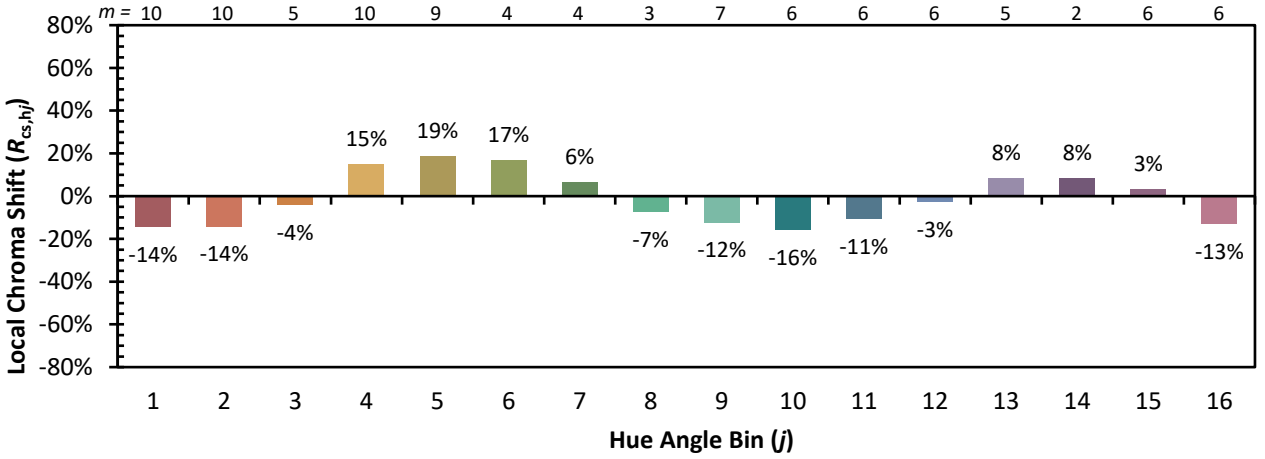
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57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

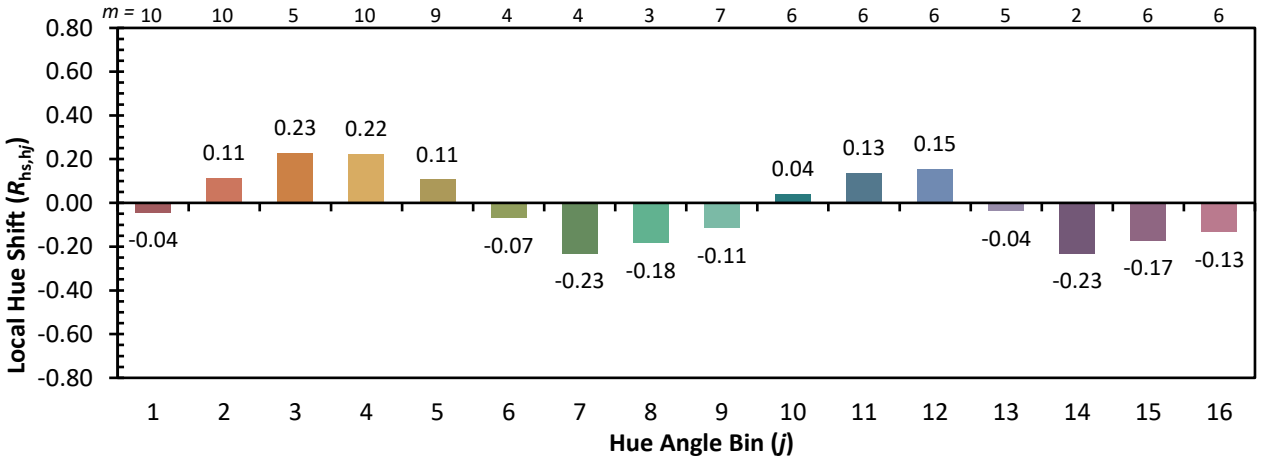


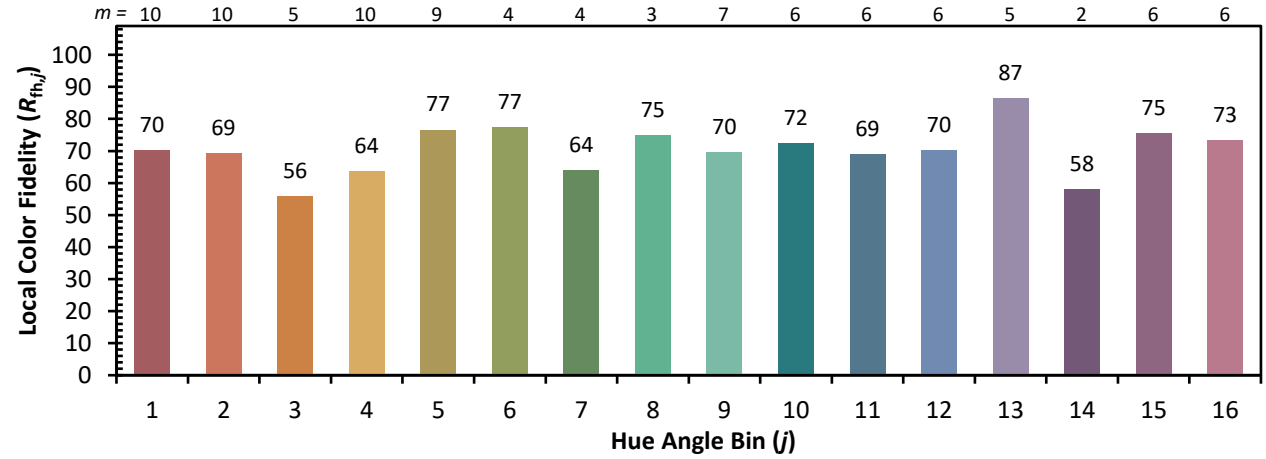
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Color Rendition by Hue-Angle Bin



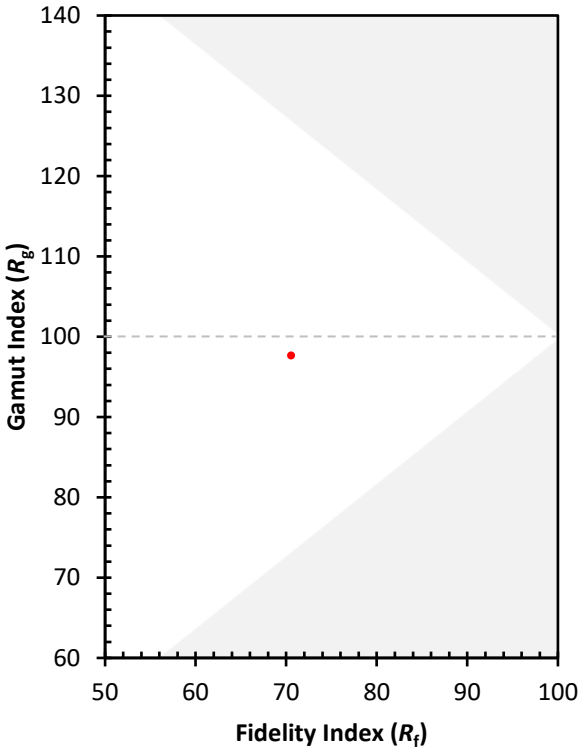


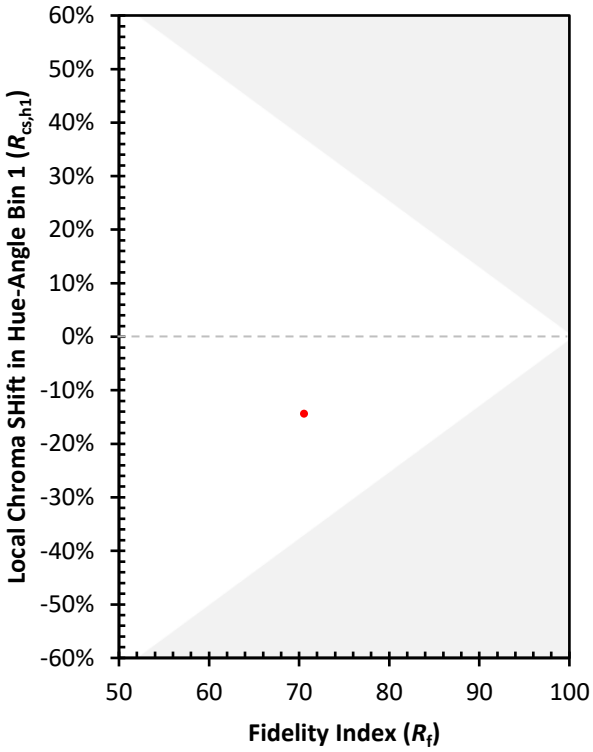


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Measure Comparisons





(END OF REPORT)