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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1365308

Luminaire Tested: **GSS-SB4B-722-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365308
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13710.3 lumens
Efficiency:	N/A
Efficacy:	92.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

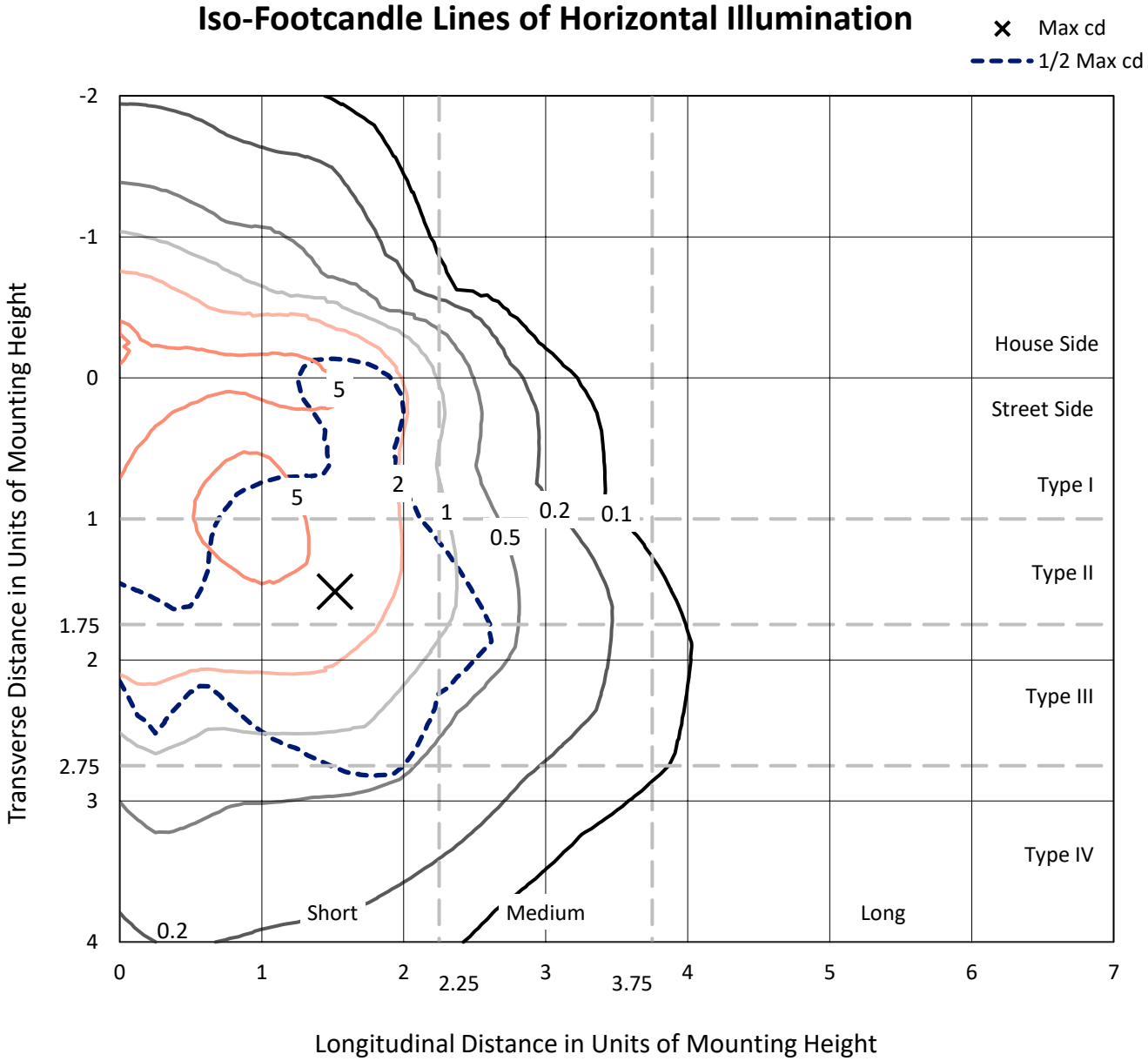
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



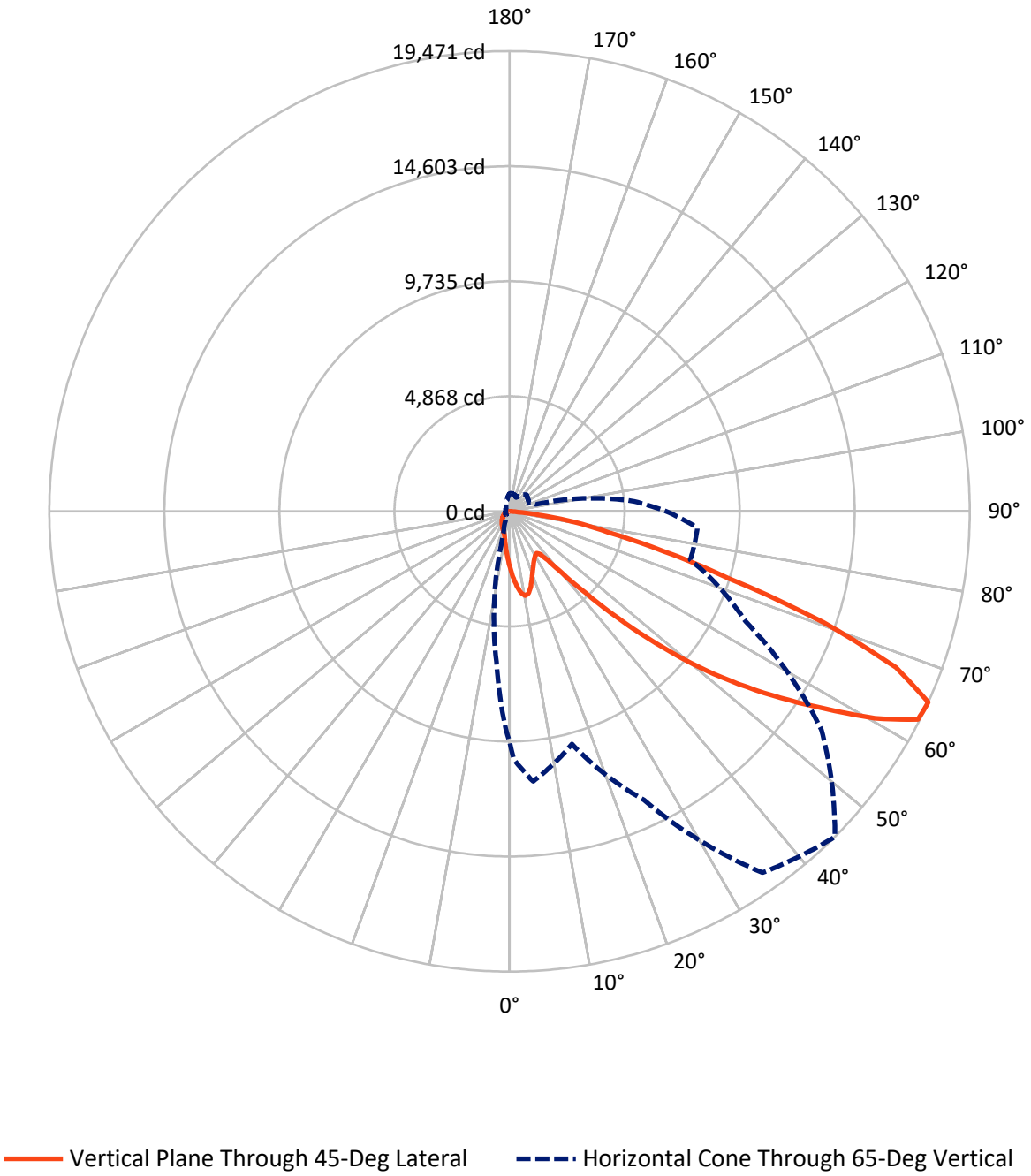
Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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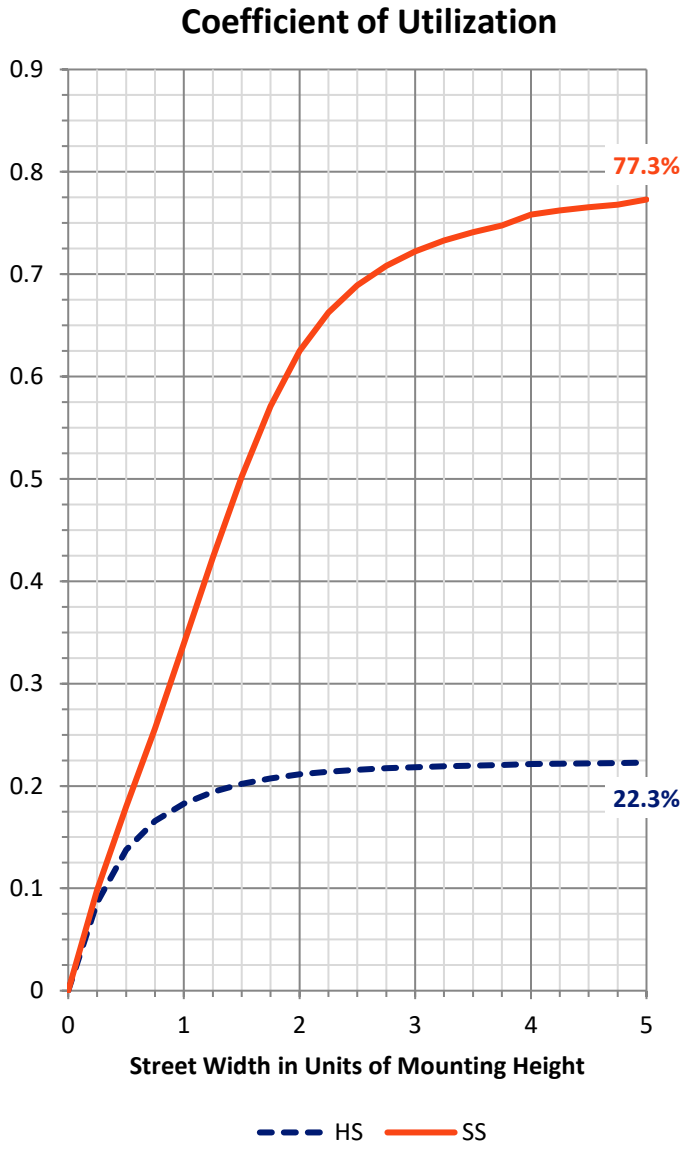
REPORT NUMBER: P1365308
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3084.1	0.0	3084.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	10626.2	0.0	10626.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	13710.3	0.0	13710.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.6	1.7
10°-20°	629.6	4.6
20°-30°	901.8	6.6
30°-40°	1131.1	8.3
40°-50°	1858.1	13.6
50°-60°	3354.9	24.5
60°-70°	3724.4	27.2
70°-80°	1683.5	12.3
80°-90°	199.3	1.5
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°	13710.3	100.0
0°-180°	13710.3	100.0



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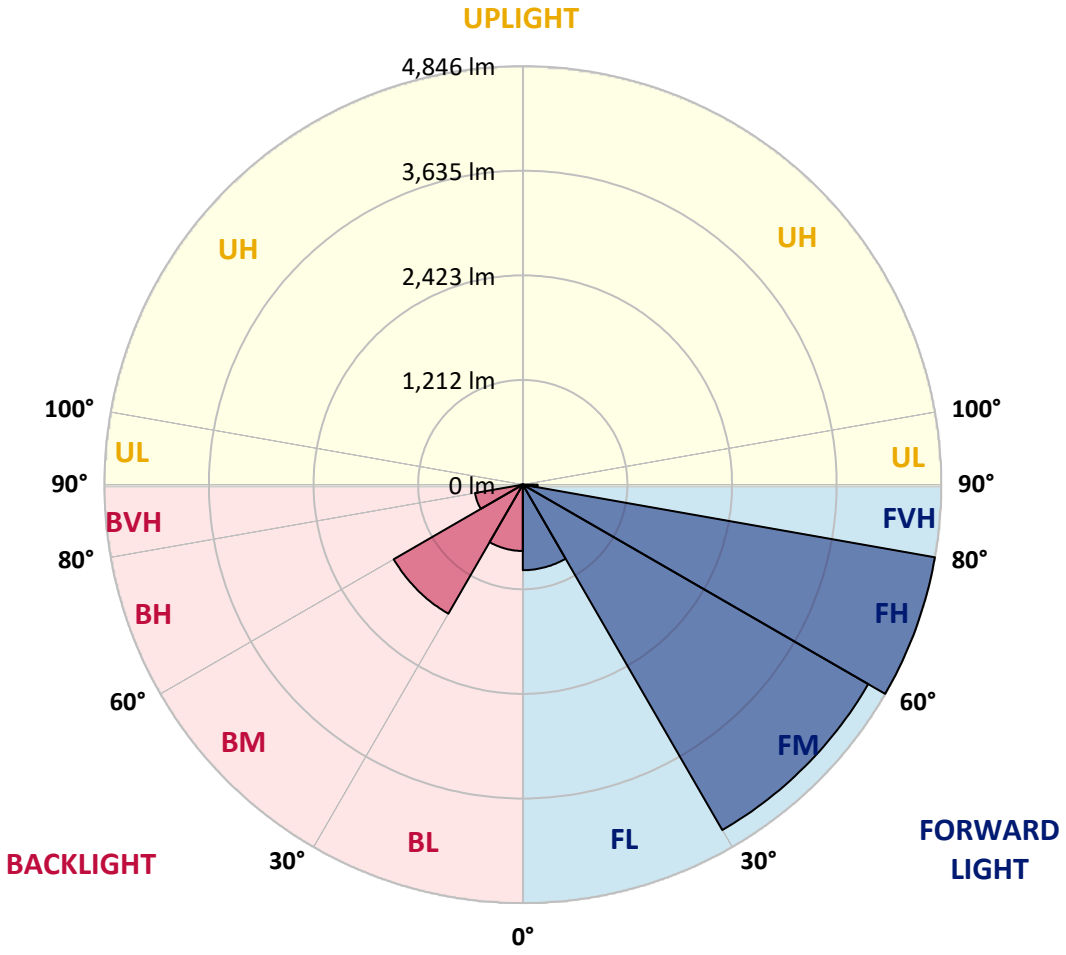
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	990.4	7.2			
FM	(30°-60°)	4618.5	33.7			
FH	(60°-80°)	4846.2	35.3			G2/5000
FVH	(80°-90°)	171.1	1.2			G2/225
BL	(0°-30°)	768.6	5.6	B2/1000		
BM	(30°-60°)	1725.6	12.6	B2/2500		
BH	(60°-80°)	561.8	4.1	B2/1000		G2/1000
BVH	(80°-90°)	28.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	*2368.6*	2368.6	2368.6	2368.6	2368.6
2.5°	2608.4	2642.1	2637.9	2684.2	2726.2	2755.7	*2780.9*	2772.5	2751.5	2709.4	2680.0
5°	2881.9	2907.1	2949.2	3037.6	3104.9	3163.8	*3155.4*	3163.8	3100.7	3037.6	2961.8
7.5°	3117.5	3146.9	3205.8	3332.1	3416.2	3487.7	*3479.3*	3454.1	3382.5	3277.4	3163.8
10°	3264.7	3285.8	3348.9	3491.9	3588.7	3647.6	*3626.6*	3584.5	3491.9	3386.8	3252.1
12.5°	3327.9	3353.1	3407.8	3521.4	3584.5	3571.9	*3563.5*	3555.0	3508.8	3428.8	3306.8
15°	3336.3	3353.1	3395.2	3445.7	3420.4	3348.9	*3332.1*	3395.2	3454.1	3437.2	3336.3
17.5°	3336.3	3361.5	3369.9	3319.4	3189.0	3058.6	*3041.8*	3146.9	3311.0	3441.4	3382.5
20°	3348.9	3361.5	3344.7	3180.6	2936.6	2793.5	*2764.1*	2894.5	3138.5	3395.2	3428.8
22.5°	3365.7	3378.3	3306.8	3016.5	2730.4	2579.0	*2562.2*	2658.9	2945.0	3327.9	3479.3
25°	3399.4	3391.0	3281.6	2873.5	2549.5	2406.5	*2381.2*	2507.5	2785.1	3260.5	3563.5
27.5°	3441.4	3403.6	3247.9	2755.7	2419.1	2267.7	*2250.8*	2372.8	2650.5	3176.4	3635.0
30°	3496.1	3458.3	3243.7	2663.1	2322.3	2170.9	*2149.9*	2284.5	2557.9	3117.5	3735.9
32.5°	3571.9	3517.2	3247.9	2591.6	2267.7	2124.6	*2112.0*	2255.0	2520.1	3083.8	3841.1
35°	3672.8	3592.9	3264.7	2566.4	2284.5	2187.7	*2217.2*	2326.6	2557.9	3109.1	4013.6
37.5°	3799.1	3723.3	3348.9	2621.1	2469.6	2536.9	*2612.6*	2654.7	2738.9	3226.9	4291.3
40°	4009.4	3904.2	3475.1	2797.8	2966.0	3281.6	*3428.8*	3412.0	3218.5	3496.1	4682.6
42.5°	4303.9	4207.2	3731.7	3247.9	3794.8	4463.8	*4712.0*	4569.0	3984.2	3925.3	5326.3
45°	4754.1	4594.2	4076.7	3916.9	4796.2	5894.2	*6453.8*	5961.5	4956.0	4602.6	6243.4
47.5°	5330.5	5170.6	4615.2	4585.8	5915.3	7661.2	*8326.0*	7358.3	5919.5	5490.3	7341.5
50°	6256.0	6079.3	5406.2	5267.4	7152.2	9424.0	*10311.7*	8750.9	6899.7	6432.7	8696.2
52.5°	7526.6	7408.8	6659.9	5969.9	8258.6	11367.7	*12133.4*	10206.5	7657.0	7509.8	10172.9
55°	9297.8	9184.2	8292.3	6752.5	9306.2	13315.6	*13934.1*	11531.8	8317.5	8771.9	11716.9
57.5°	11304.6	11493.9	10526.3	7795.8	10408.5	14884.9	*15747.4*	12735.0	9209.5	10459.0	13433.4
60°	12613.0	13210.5	13088.4	9617.5	12120.8	16837.0	*17775.2*	14346.4	10513.7	11700.1	13395.6
62.5°	11477.1	12074.5	13008.5	11729.5	13770.0	18604.0	*19395.0*	16041.9	11809.5	10711.4	11249.9
65°	*9739.6*	*10484.2*	*11468.7*	*10189.7*	*13479.7*	*18658.7*	*19470.7*	*16105.0*	*11018.5*	*7917.9*	*7976.8*
67.5°	8393.3	9053.8	10265.4	8670.9	11948.3	16992.7	*17632.2*	14367.4	9108.5	5250.5	5204.2
70°	7004.9	7610.7	9142.1	7720.1	10467.4	14645.1	*14094.0*	12078.7	7699.1	3487.7	2890.3
72.5°	5969.9	6529.5	8124.0	6937.6	8304.9	11868.4	*9714.3*	10021.4	6264.4	2217.2	1968.9
75°	4939.2	5452.5	6908.1	6281.3	6870.3	7404.6	*6714.6*	7118.5	5162.2	1880.6	1518.8
77.5°	3466.7	3786.4	4846.6	4998.1	5347.3	4383.9	*4257.6*	4985.5	3672.8	934.0	639.5
80°	1708.1	1905.8	2528.5	2974.5	2528.5	2486.4	*2835.6*	3319.4	1905.8	572.2	353.4
82.5°	765.7	908.7	1165.4	1800.7	913.0	992.9	*1253.7*	1767.0	866.7	340.8	151.5
85°	122.0	134.6	227.2	302.9	248.2	382.9	*366.0*	345.0	185.1	92.6	42.1
87.5°	4.2	4.2	4.2	8.4	12.6	16.8	*21.0*	21.0	21.0	21.0	21.0
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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CATALOG NUMBER: GSS-SB4B-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6
2.5°	2671.5	2658.9	2595.8	2532.7	2478.0	2423.3	2368.6	2292.9	2234.0	2183.5	2162.5
5°	2924.0	2856.7	2759.9	2654.7	2562.2	2457.0	2356.0	2242.4	2149.9	2053.1	2002.6
7.5°	3096.5	3029.1	2869.3	2709.4	2595.8	2482.2	2377.0	2250.8	2128.8	1990.0	1914.3
10°	3176.4	3100.7	2928.2	2743.1	2604.2	2490.6	2393.9	2288.7	2166.7	1994.2	1893.2
12.5°	3231.1	3138.5	2940.8	2751.5	2612.6	2494.8	2402.3	2326.6	2255.0	2086.7	1968.9
15°	3264.7	3180.6	2974.5	2755.7	2600.0	2461.2	2372.8	2347.6	2360.2	2280.3	2137.2
17.5°	3315.2	3235.3	3016.5	2780.9	2579.0	2389.7	2292.9	2347.6	2461.2	2486.4	2372.8
20°	3382.5	3298.4	3071.2	2802.0	2515.9	2255.0	2162.5	2301.3	2490.6	2621.1	2557.9
22.5°	3458.3	3391.0	3134.3	2823.0	2423.3	2078.3	2036.3	2204.5	2406.5	2574.8	2579.0
25°	3550.8	3487.7	3222.7	2844.0	2297.1	1926.9	1935.3	2078.3	2238.2	2410.7	2440.1
27.5°	3677.0	3618.1	3332.1	2869.3	2166.7	1804.9	1846.9	1952.1	2061.5	2166.7	2208.8
30°	3815.9	3769.6	3462.5	2919.8	2044.7	1733.3	1758.6	1830.1	1918.5	1981.6	2002.6
32.5°	4005.2	3929.5	3584.5	2915.6	1952.1	1699.7	1674.4	1695.5	1767.0	1830.1	1834.3
35°	4240.8	4181.9	3710.7	2839.8	1868.0	1682.9	1594.5	1581.9	1624.0	1687.1	1682.9
37.5°	4585.8	4535.3	3916.9	2722.0	1762.8	1640.8	1510.4	1468.3	1497.7	1539.8	1552.4
40°	5103.3	4972.9	4152.5	2591.6	1657.6	1565.1	1409.4	1350.5	1371.5	1417.8	1426.2
42.5°	5805.9	5557.6	4468.0	2414.9	1556.6	1451.5	1308.4	1245.3	1257.9	1300.0	1308.4
45°	6706.2	6331.8	4901.3	2229.8	1476.7	1333.7	1203.2	1135.9	1148.6	1194.8	1215.9
47.5°	7758.0	7244.7	5355.7	2032.1	1430.4	1241.1	1098.1	1047.6	1077.0	1123.3	1131.7
50°	8999.1	8481.6	5646.0	1872.2	1401.0	1169.6	1001.3	980.3	1018.1	1056.0	1064.4
52.5°	10353.8	9617.5	5460.9	1741.8	1375.7	1144.3	934.0	942.4	971.9	1009.7	1022.3
55°	11670.6	10034.1	4846.6	1573.5	1346.3	1161.2	883.5	904.5	942.4	971.9	980.3
57.5°	12528.9	9684.9	3904.2	1396.8	1312.6	1173.8	858.3	875.1	917.2	950.8	955.0
60°	11780.0	8919.2	2924.0	1245.3	1241.1	1152.8	849.8	824.6	883.5	913.0	917.2
62.5°	9651.2	7295.2	1868.0	1102.3	1106.5	1106.5	845.6	740.5	816.2	841.4	837.2
65°	*6630.5*	*5158.0*	*1157.0*	*900.3*	*942.4*	*1005.5*	*820.4*	*652.1*	*740.5*	*765.7*	*757.3*
67.5°	4358.6	3277.4	715.2	694.2	774.1	870.9	769.9	584.8	664.7	681.6	656.3
70°	2364.4	1544.0	471.2	454.4	605.8	685.8	652.1	525.9	593.2	610.0	584.8
72.5°	1560.9	887.7	332.4	332.4	475.4	479.6	534.3	471.2	525.9	542.7	517.5
75°	1173.8	572.2	231.4	256.6	302.9	374.4	382.9	395.5	446.0	467.0	441.8
77.5°	538.5	210.4	138.8	189.3	210.4	286.1	244.0	294.5	332.4	340.8	319.7
80°	311.3	117.8	92.6	122.0	134.6	235.6	143.0	176.7	235.6	248.2	223.0
82.5°	130.4	58.9	63.1	75.7	79.9	130.4	101.0	113.6	155.7	151.5	134.6
85°	37.9	37.9	42.1	46.3	46.3	75.7	71.5	67.3	71.5	71.5	58.9
87.5°	25.2	25.2	25.2	29.5	29.5	33.7	37.9	42.1	42.1	42.1	37.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6
2.5°	2133.0	2095.2	2040.5	2032.1	2002.6	1981.6	2002.6	2023.6	2061.5	2065.7	2082.5
5°	1956.3	1868.0	1800.7	1724.9	1687.1	1682.9	1674.4	1699.7	1754.4	1788.0	1813.3
7.5°	1838.5	1678.7	1560.9	1455.7	1417.8	1388.4	1413.6	1409.4	1480.9	1510.4	1535.6
10°	1775.4	1552.4	1375.7	1245.3	1194.8	1165.4	1161.2	1169.6	1211.7	1241.1	1270.6
12.5°	1817.5	1502.0	1241.1	1089.7	1035.0	1001.3	971.9	971.9	980.3	1018.1	1030.8
15°	1956.3	1531.4	1178.0	1013.9	942.4	887.7	849.8	820.4	824.6	828.8	841.4
17.5°	2158.3	1607.1	1157.0	967.6	891.9	824.6	786.7	753.1	744.7	744.7	740.5
20°	2351.8	1666.0	1140.1	929.8	833.0	774.1	740.5	711.0	698.4	698.4	698.4
22.5°	2431.7	1716.5	1119.1	883.5	774.1	719.4	690.0	668.9	664.7	664.7	660.5
25°	2368.6	1699.7	1093.9	837.2	719.4	677.4	652.1	631.1	626.9	631.1	626.9
27.5°	2170.9	1640.8	1060.2	799.4	677.4	639.5	618.5	597.4	593.2	597.4	597.4
30°	1960.5	1539.8	1005.5	769.9	643.7	601.6	580.6	559.6	559.6	563.8	568.0
32.5°	1792.2	1438.8	942.4	732.0	605.8	568.0	546.9	525.9	525.9	534.3	534.3
35°	1649.2	1358.9	879.3	694.2	572.2	530.1	513.3	496.4	492.2	500.7	504.9
37.5°	1535.6	1287.4	812.0	656.3	538.5	500.7	483.8	462.8	458.6	467.0	475.4
40°	1417.8	1207.5	753.1	610.0	504.9	467.0	450.2	424.9	424.9	433.3	441.8
42.5°	1304.2	1135.9	715.2	568.0	471.2	429.1	412.3	391.3	391.3	399.7	408.1
45°	1211.7	1068.6	694.2	525.9	433.3	395.5	374.4	357.6	361.8	370.2	378.6
47.5°	1123.3	997.1	698.4	504.9	408.1	357.6	336.6	324.0	332.4	345.0	353.4
50°	1056.0	946.6	702.6	471.2	374.4	328.2	307.1	298.7	311.3	324.0	332.4
52.5°	1013.9	896.1	677.4	429.1	349.2	298.7	286.1	286.1	298.7	307.1	315.5
55°	971.9	812.0	622.7	382.9	324.0	277.7	269.3	269.3	281.9	290.3	294.5
57.5°	938.2	723.6	559.6	345.0	294.5	256.6	256.6	256.6	260.8	265.1	273.5
60°	875.1	631.1	479.6	315.5	265.1	239.8	235.6	235.6	231.4	235.6	248.2
62.5°	765.7	530.1	408.1	281.9	239.8	218.8	214.6	201.9	189.3	193.5	201.9
65°	*647.9*	*420.7*	*340.8*	*244.0*	*206.2*	*193.5*	*189.3*	*168.3*	*151.5*	*155.7*	*168.3*
67.5°	517.5	315.5	286.1	210.4	176.7	164.1	164.1	151.5	138.8	138.8	147.3
70°	403.9	265.1	214.6	168.3	138.8	138.8	147.3	134.6	117.8	117.8	130.4
72.5°	328.2	214.6	172.5	130.4	109.4	117.8	122.0	109.4	96.8	96.8	105.2
75°	256.6	168.3	134.6	96.8	84.1	88.4	96.8	88.4	75.7	79.9	84.1
77.5°	176.7	113.6	88.4	71.5	63.1	67.3	67.3	63.1	58.9	58.9	63.1
80°	117.8	75.7	58.9	50.5	46.3	46.3	42.1	42.1	46.3	46.3	50.5
82.5°	84.1	54.7	46.3	37.9	29.5	29.5	33.7	33.7	37.9	37.9	42.1
85°	50.5	37.9	33.7	25.2	21.0	25.2	25.2	29.5	33.7	33.7	37.9
87.5°	37.9	29.5	25.2	21.0	16.8	16.8	21.0	21.0	25.2	29.5	29.5
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: P1365308
CATALOG NUMBER: GSS-SB4B-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6
2.5°	2124.6	2175.1	2246.6	2309.7	2385.5	2461.2	2532.7	2600.0	2604.2	2608.4
5°	1893.2	1994.2	2112.0	2255.0	2406.5	2553.7	2709.4	2835.6	2865.1	2881.9
7.5°	1636.6	1783.8	1964.7	2166.7	2393.9	2621.1	2839.8	3029.1	3100.7	3117.5
10°	1367.3	1548.2	1767.0	2027.8	2335.0	2637.9	2932.4	3163.8	3247.9	3264.7
12.5°	1127.5	1274.8	1527.2	1842.7	2213.0	2612.6	2966.0	3222.7	3306.8	3327.9
15°	921.4	1060.2	1295.8	1628.2	2044.7	2524.3	2940.8	3235.3	3319.4	3336.3
17.5°	761.5	849.8	1064.4	1426.2	1893.2	2410.7	2907.1	3243.7	3323.6	3336.3
20°	698.4	715.2	828.8	1182.2	1733.3	2326.6	2886.1	3256.3	3336.3	3348.9
22.5°	668.9	668.9	694.2	900.3	1510.4	2238.2	2877.7	3294.2	3353.1	3365.7
25°	639.5	639.5	647.9	706.8	1245.3	2128.8	2894.5	3361.5	3399.4	3399.4
27.5°	610.0	610.0	618.5	631.1	925.6	1947.9	2898.7	3437.2	3454.1	3441.4
30°	580.6	589.0	589.0	597.4	681.6	1720.7	2873.5	3521.4	3521.4	3496.1
32.5°	551.1	555.3	563.8	568.0	593.2	1426.2	2831.4	3626.6	3605.5	3571.9
35°	525.9	530.1	530.1	538.5	563.8	1140.1	2785.1	3769.6	3710.7	3672.8
37.5°	492.2	496.4	500.7	509.1	534.3	904.5	2717.8	3891.6	3849.5	3799.1
40°	462.8	467.0	471.2	479.6	504.9	778.3	2633.7	4076.7	4068.3	4009.4
42.5°	429.1	437.5	441.8	446.0	479.6	711.0	2574.8	4375.4	4375.4	4303.9
45°	399.7	408.1	408.1	416.5	462.8	652.1	2705.2	4787.7	4821.4	4754.1
47.5°	374.4	378.6	378.6	382.9	437.5	601.6	3054.4	5418.8	5376.7	5330.5
50°	349.2	357.6	349.2	353.4	416.5	631.1	3630.8	6226.6	6336.0	6256.0
52.5°	332.4	336.6	319.7	319.7	387.1	668.9	4102.0	7257.3	7623.4	7526.6
55°	311.3	315.5	294.5	294.5	340.8	580.6	4131.4	8431.1	9234.7	9297.8
57.5°	290.3	290.3	273.5	269.3	294.5	471.2	3664.4	9339.9	11161.6	11304.6
60°	265.1	260.8	252.4	244.0	269.3	433.3	2793.5	9217.9	12116.6	12613.0
62.5°	227.2	235.6	231.4	214.6	244.0	403.9	1821.7	7976.8	11039.6	11477.1
65°	*189.3*	*201.9*	*201.9*	*189.3*	*269.3*	*353.4*	*959.2*	*6386.5*	*9213.7*	*9739.6*
67.5°	168.3	176.7	172.5	164.1	239.8	223.0	462.8	4897.1	7888.4	8393.3
70°	147.3	155.7	143.0	134.6	193.5	159.9	273.5	3277.4	6512.7	7004.9
72.5°	122.0	130.4	117.8	105.2	143.0	122.0	180.9	2133.0	5423.0	5969.9
75°	101.0	105.2	96.8	84.1	105.2	96.8	126.2	1392.6	4535.3	4939.2
77.5°	71.5	79.9	75.7	63.1	75.7	67.3	88.4	795.2	3163.8	3466.7
80°	54.7	54.7	54.7	50.5	46.3	46.3	58.9	357.6	1535.6	1708.1
82.5°	46.3	46.3	42.1	37.9	33.7	29.5	33.7	105.2	723.6	765.7
85°	42.1	33.7	29.5	25.2	21.0	12.6	12.6	29.5	147.3	122.0
87.5°	25.2	21.0	16.8	8.4	4.2	4.2	0.0	4.2	4.2	4.2
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

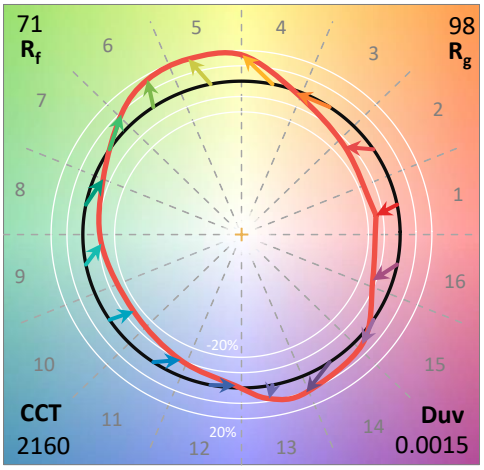
Test Information

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

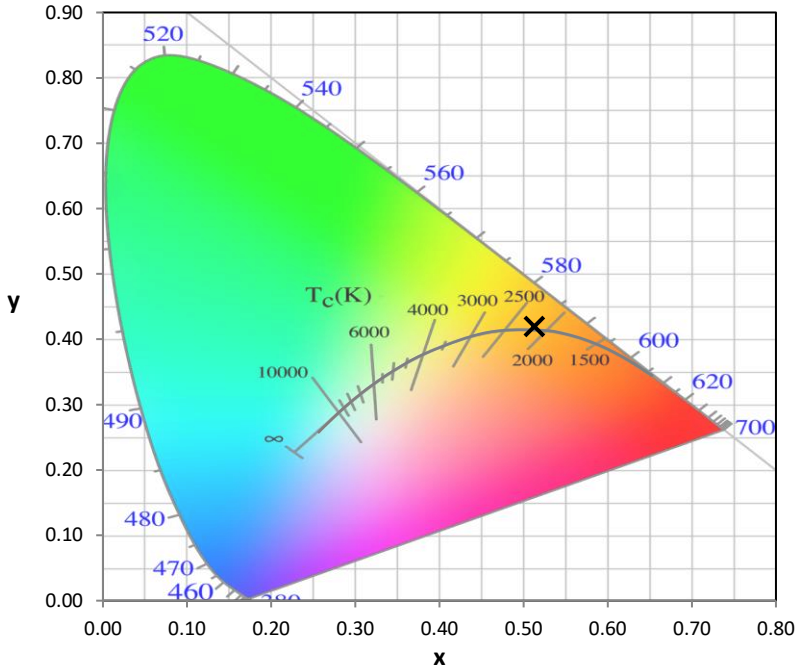
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

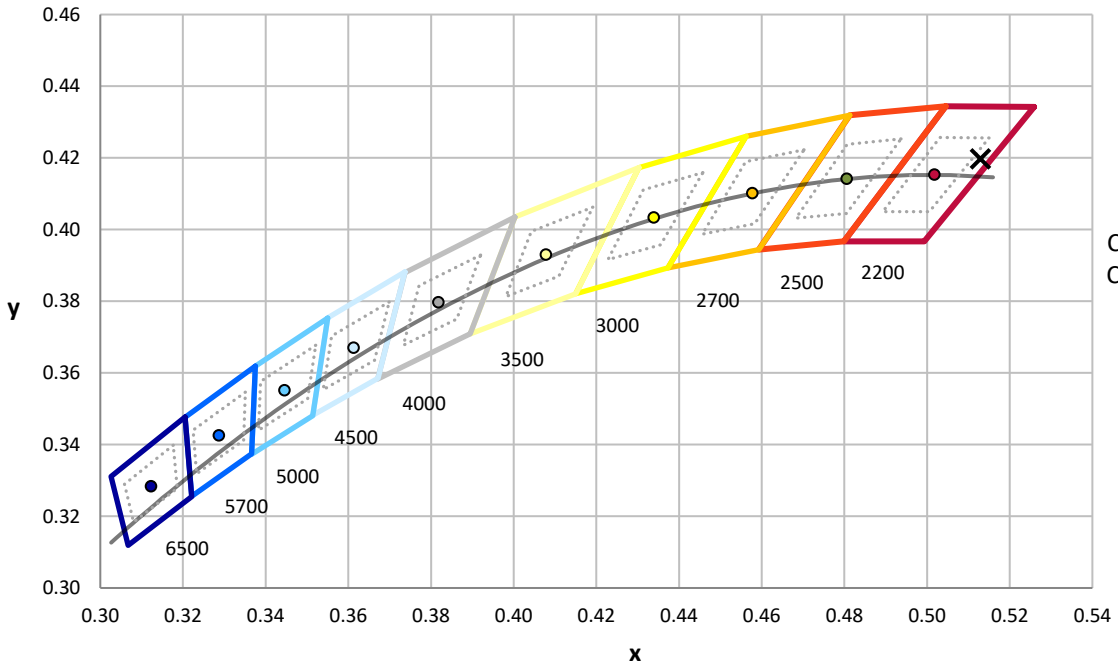
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

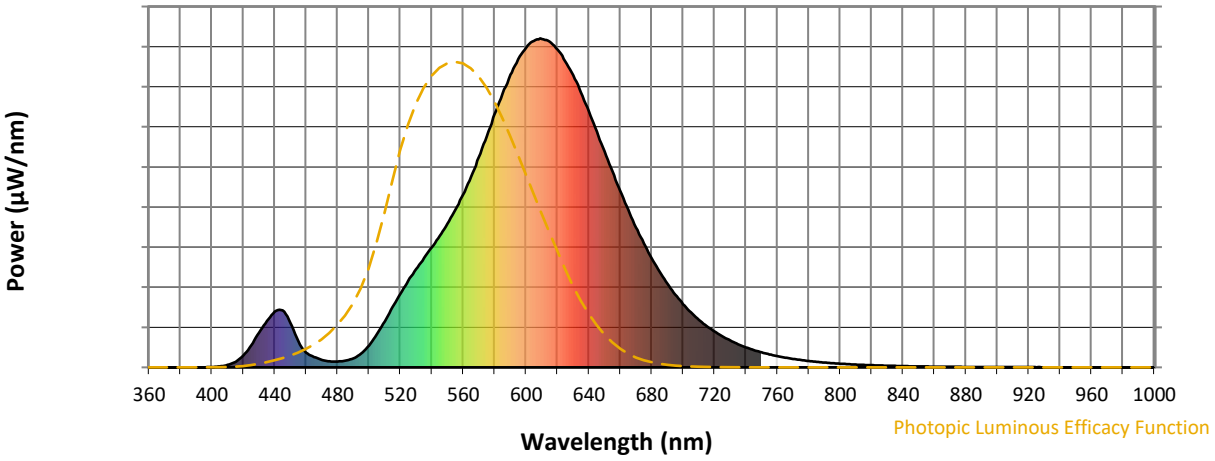


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

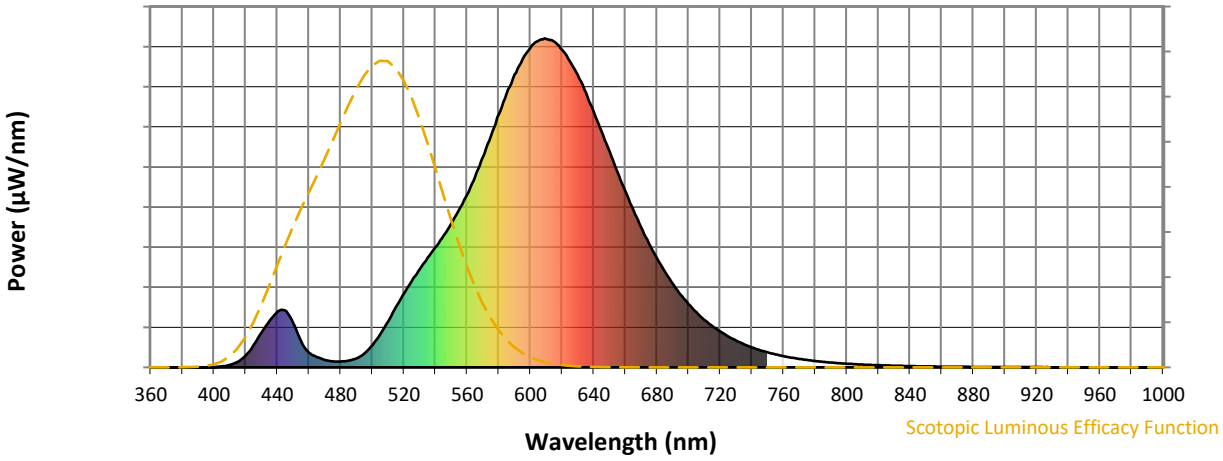


Photopic Lumens: NR

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

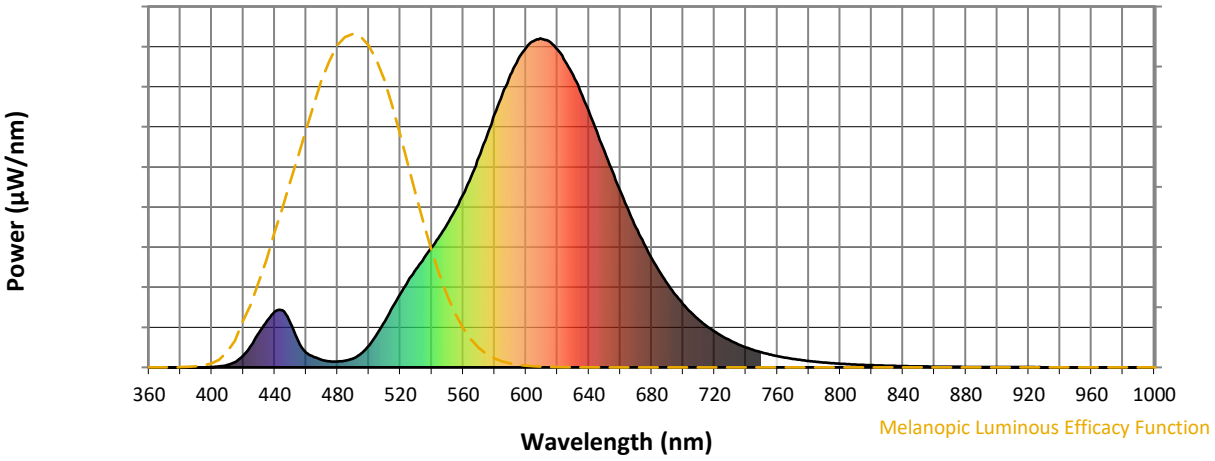


Scotopic Lumens: NR **S/P: 0.8**

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			

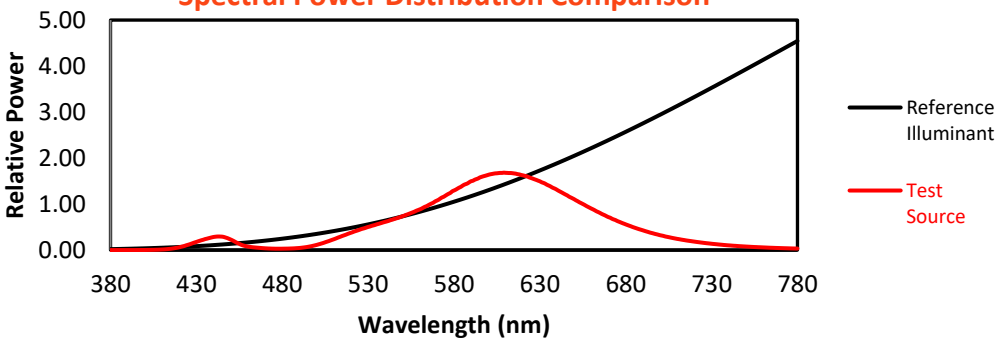
REPORT NUMBER: SP1-2407-184-2

TM-30-18

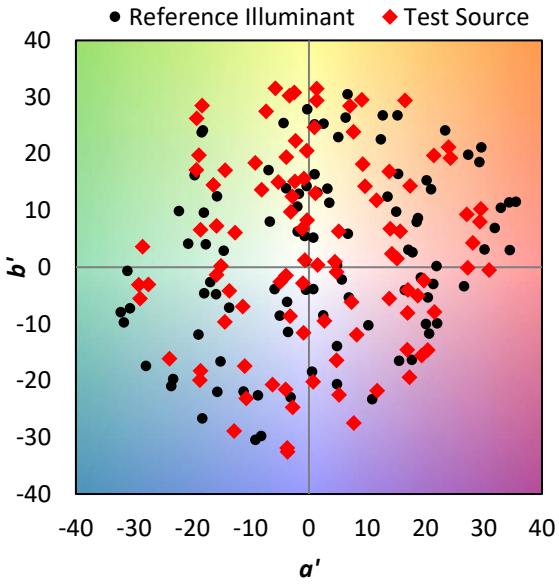
Summary

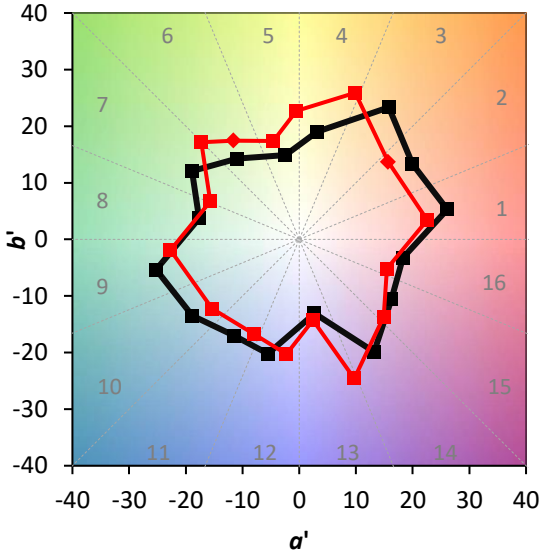
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

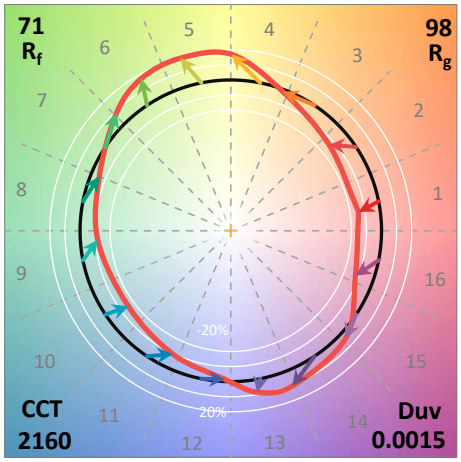
Spectral Power Distribution Comparison

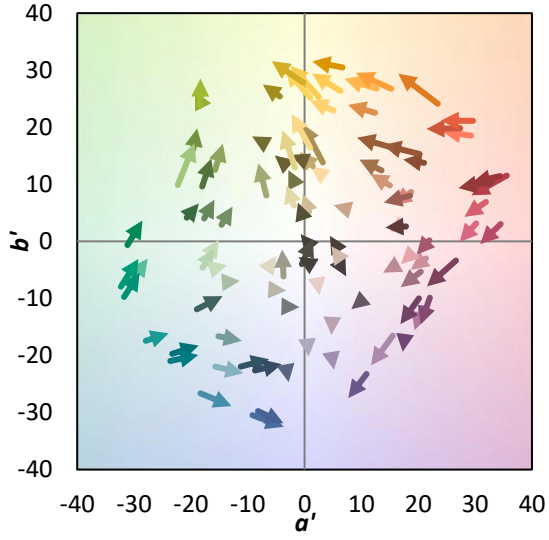


Color Vector Graphics







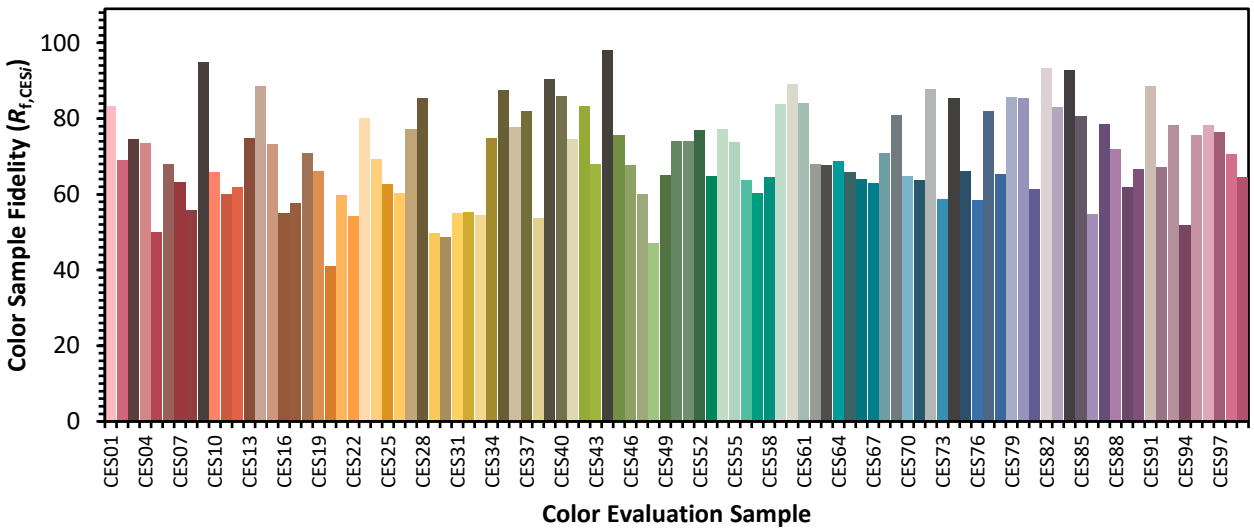


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Individual Sample Fidelity Index ($R_{f,i}$)

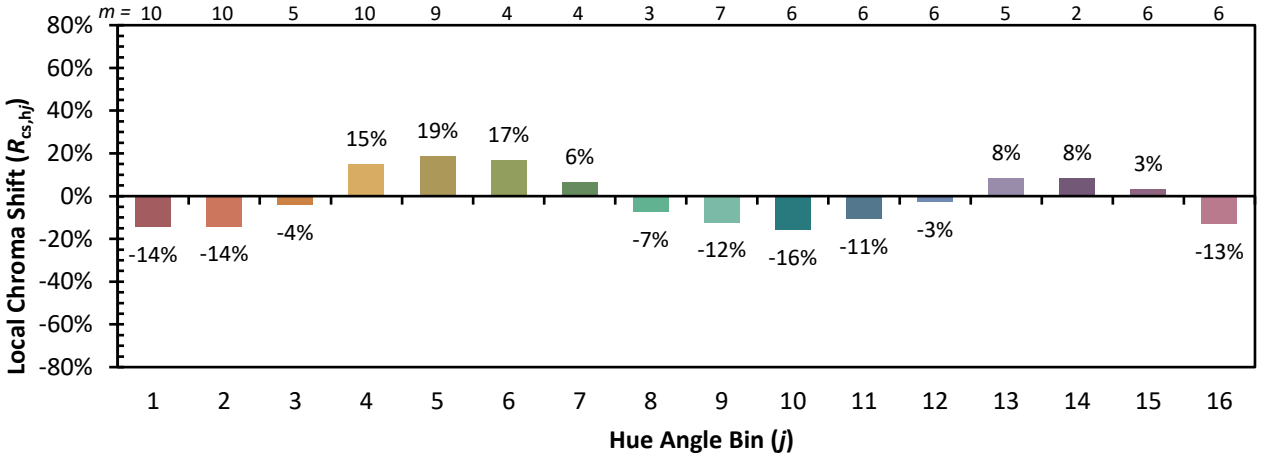
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57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

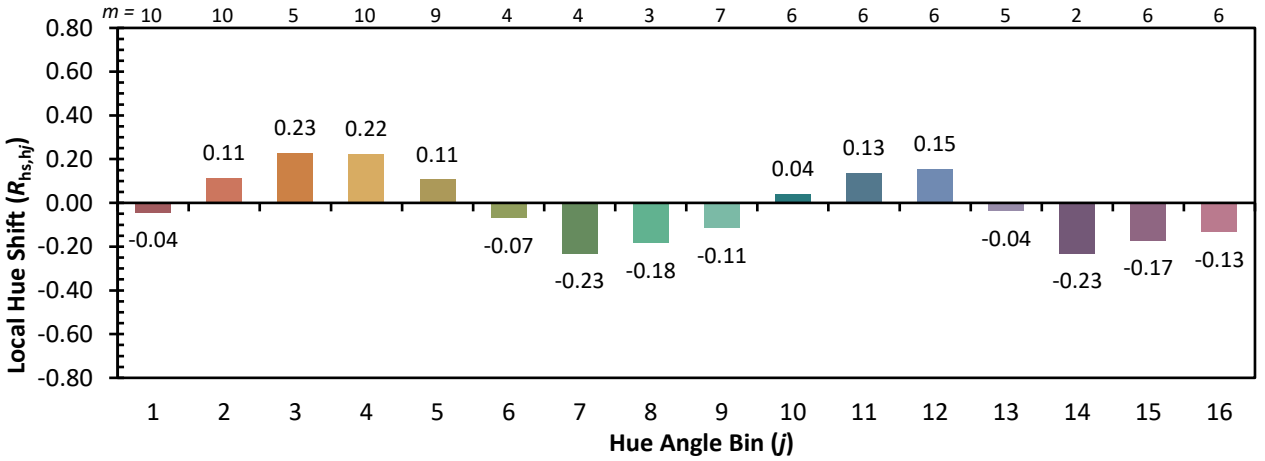


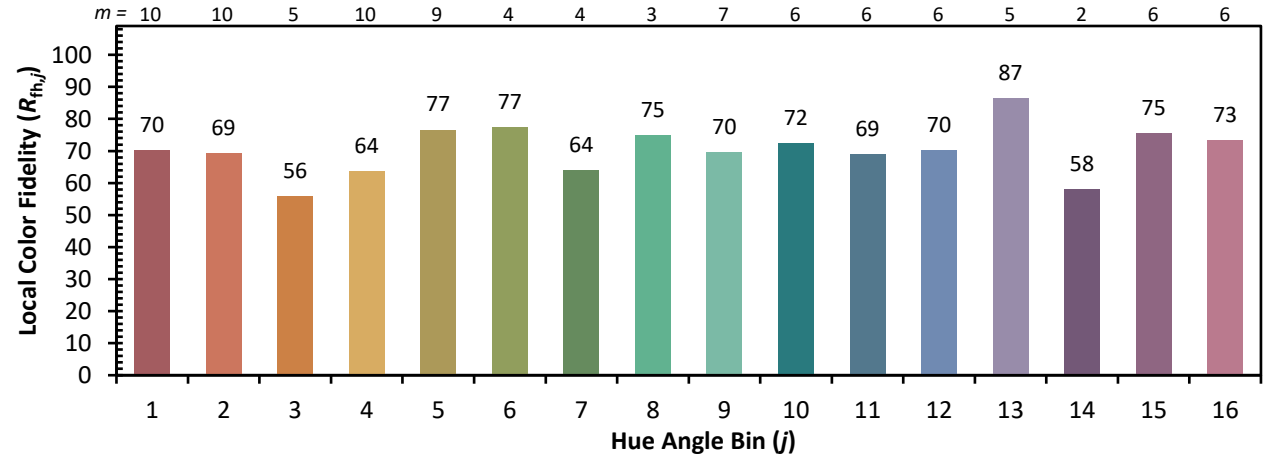
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Color Rendition by Hue-Angle Bin



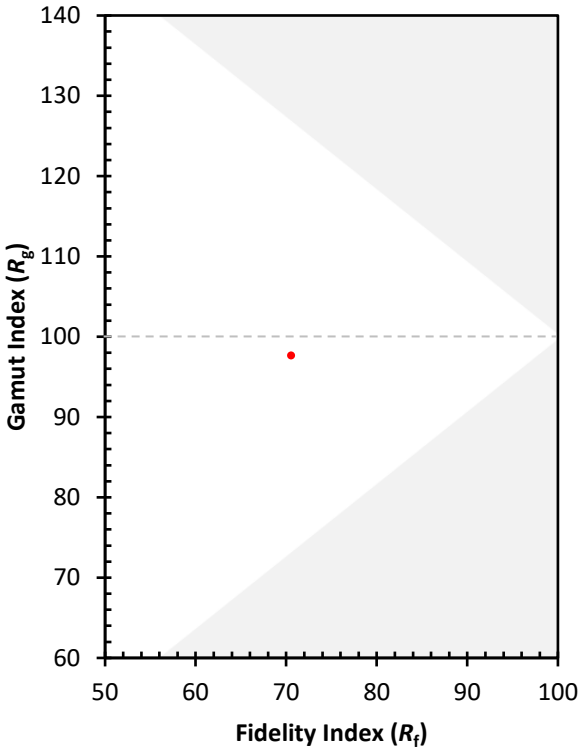


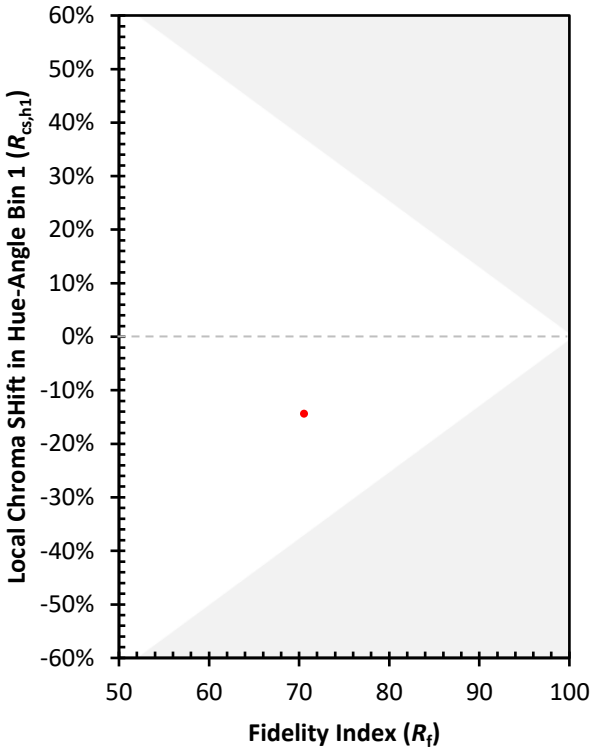


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Measure Comparisons





(END OF REPORT)