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: P1364540

Luminaire Tested: **GSS-SB4B-722-U-SLR-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:	P1364540
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-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT 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:	13701 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

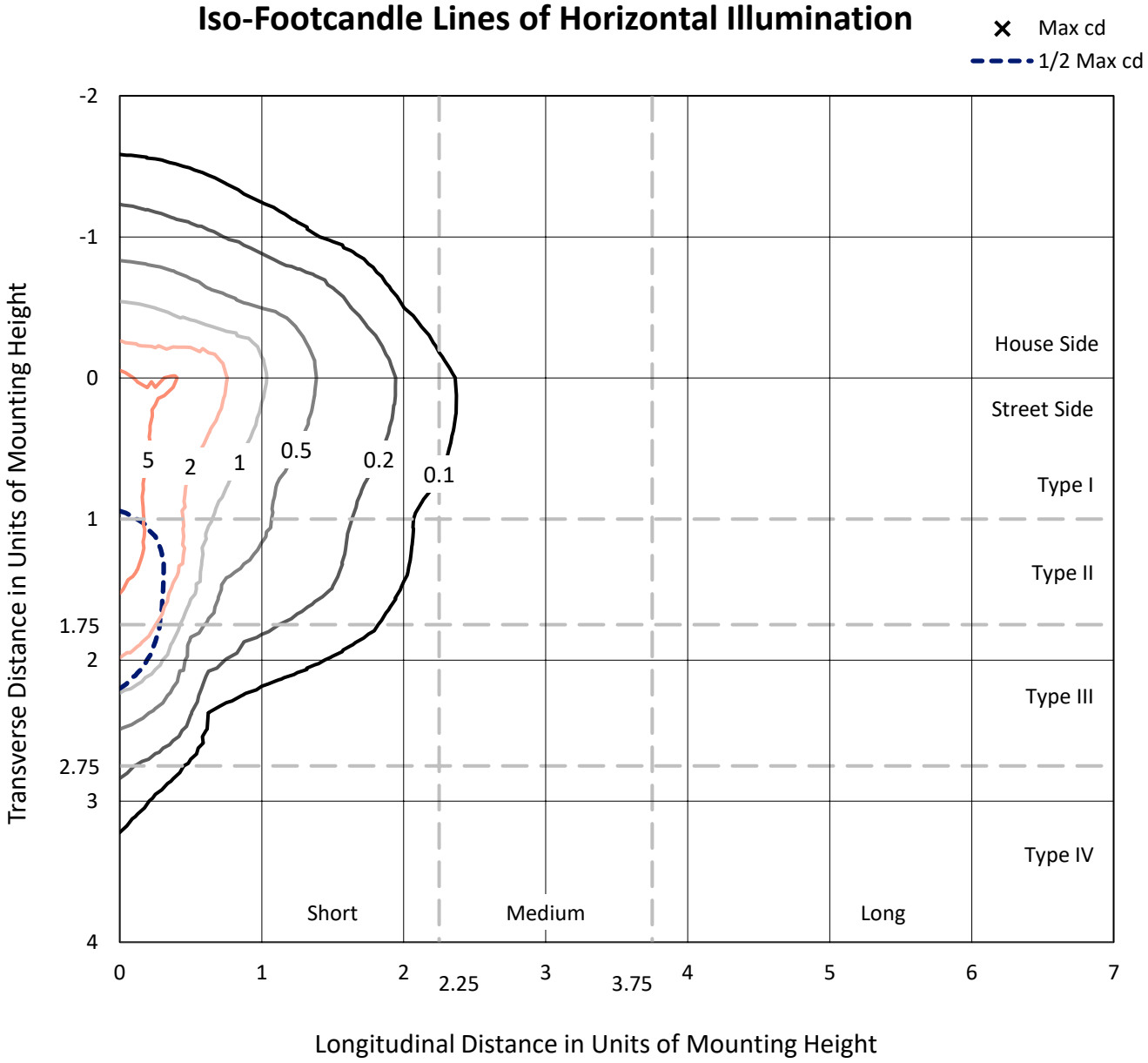
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



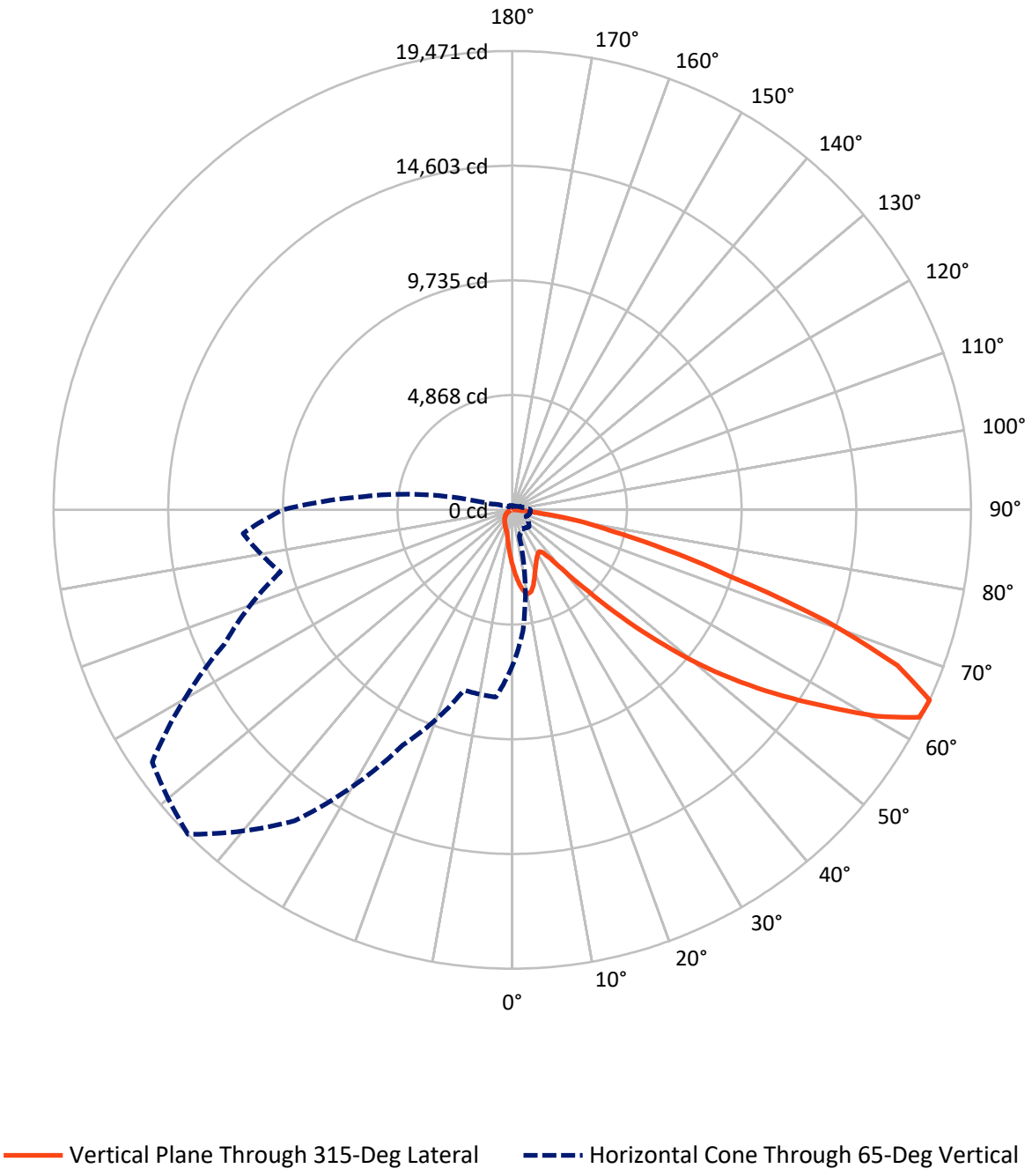
Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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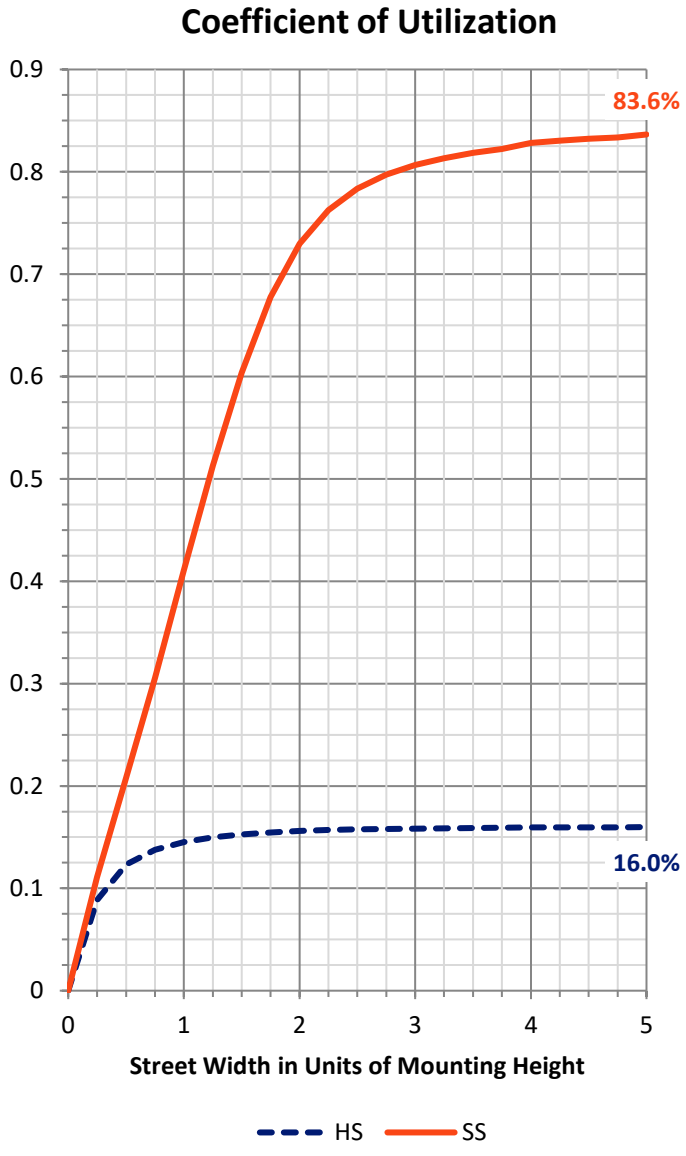
REPORT NUMBER: P1364540
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2214.8	0.0	2214.8
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	11486.2	0.0	11486.2
	% Fixture	83.8	0.0	83.8
Total	Lumens	13701.0	0.0	13701.0
	% 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°	901.7	6.6
30°-40°	1131.0	8.3
40°-50°	1857.9	13.6
50°-60°	3352.7	24.5
60°-70°	3720.8	27.2
70°-80°	1681.1	12.3
80°-90°	198.8	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°	13701.0	100.0
0°-180°	13701.0	100.0



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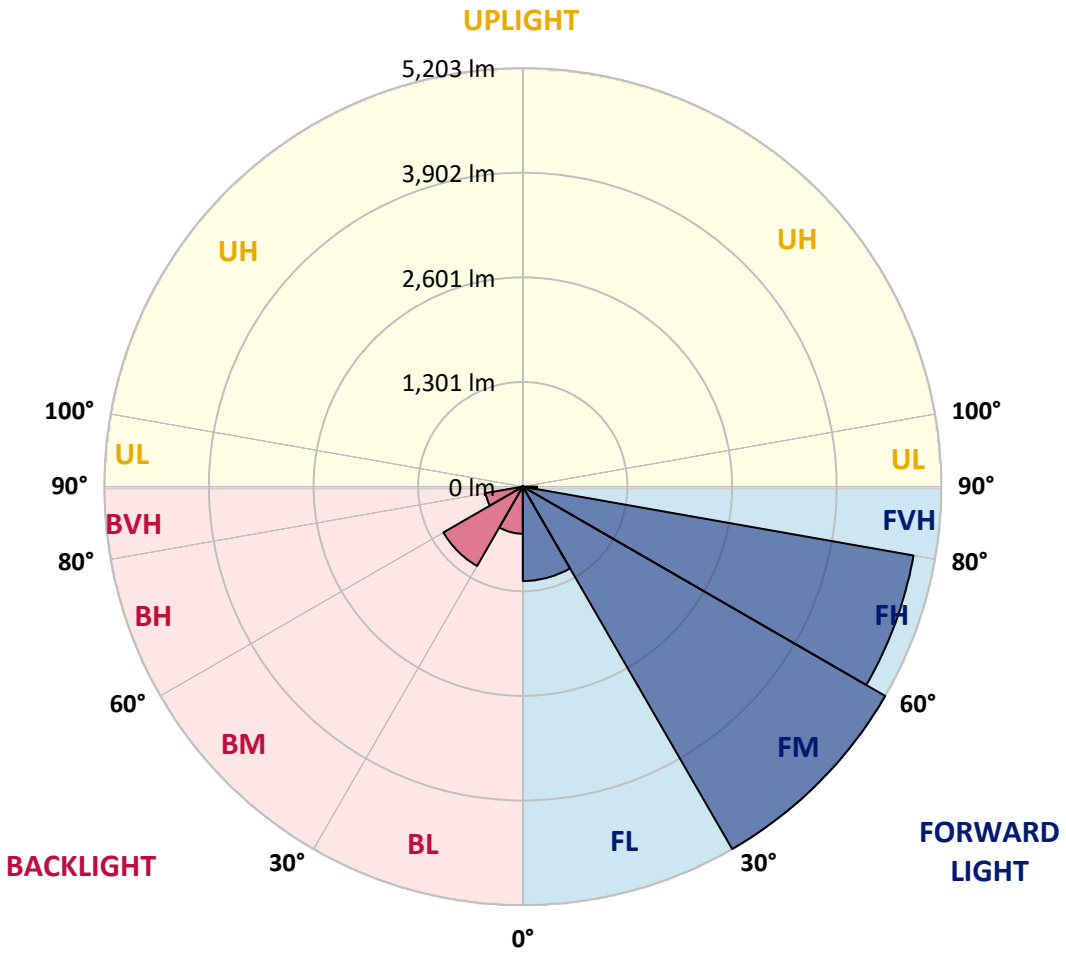
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1173.6	8.6			
FM	(30°-60°)	5202.7	38.0			
FH	(60°-80°)	4931.5	36.0			G2/5000
FVH	(80°-90°)	178.4	1.3			G2/225
BL	(0°-30°)	585.3	4.3	B2/1000		
BM	(30°-60°)	1138.9	8.3	B2/2500		
BH	(60°-80°)	470.4	3.4	B1/500		G1/500
BVH	(80°-90°)	20.3	0.1			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°	2671.5	2669.0	2658.9	2595.8	2532.7	2478.0	2423.3	2368.6	2292.9	2234.0	2183.5
5°	2924.0	2910.5	2856.7	2759.9	2654.7	2562.2	2457.0	2356.0	2242.4	2149.9	2053.1
7.5°	3096.5	3083.0	3029.1	2869.3	2709.4	2595.8	2482.2	2377.0	2250.8	2128.8	1990.0
10°	3176.4	3161.3	3100.7	2928.2	2743.1	2604.2	2490.6	2393.9	2288.7	2166.7	1994.2
12.5°	3231.1	3212.6	3138.5	2940.8	2751.5	2612.6	2494.8	2402.3	2326.6	2255.0	2086.7
15°	3264.7	3247.9	3180.6	2974.5	2755.7	2600.0	2461.2	2372.8	2347.6	2360.2	2280.3
17.5°	3315.2	3299.2	3235.3	3016.5	2780.9	2579.0	2389.7	2292.9	2347.6	2461.2	2486.4
20°	3382.5	3365.7	3298.4	3071.2	2802.0	2515.9	2255.0	2162.5	2301.3	2490.6	2621.1
22.5°	3458.3	3444.8	3391.0	3134.3	2823.0	2423.3	2078.3	2036.3	2204.5	2406.5	2574.8
25°	3550.8	3538.2	3487.7	3222.7	2844.0	2297.1	1926.9	1935.3	2078.3	2238.2	2410.7
27.5°	3677.0	3665.3	3618.1	3332.1	2869.3	2166.7	1804.9	1846.9	1952.1	2061.5	2166.7
30°	3815.9	3806.6	3769.6	3462.5	2919.8	2044.7	1733.3	1758.6	1830.1	1918.5	1981.6
32.5°	4005.2	3990.1	3929.5	3584.5	2915.6	1952.1	1699.7	1674.4	1695.5	1767.0	1830.1
35°	4240.8	4229.0	4181.9	3710.7	2839.8	1868.0	1682.9	1594.5	1581.9	1624.0	1687.1
37.5°	4585.8	4575.7	4535.3	3916.9	2722.0	1762.8	1640.8	1510.4	1468.3	1497.7	1539.8
40°	5103.3	5077.2	4972.9	4152.5	2591.6	1657.6	1565.1	1409.4	1350.5	1371.5	1417.8
42.5°	5805.9	5756.2	5557.6	4468.0	2414.9	1556.6	1451.5	1308.4	1245.3	1257.9	1300.0
45°	6706.2	6631.3	6331.8	4901.3	2229.8	1476.7	1333.7	1203.2	1135.9	1148.6	1194.8
47.5°	7758.0	7655.3	7244.7	5355.7	2032.1	1430.4	1241.1	1098.1	1047.6	1077.0	1123.3
50°	8999.1	8895.6	8481.6	5646.0	1872.2	1401.0	1169.6	1001.3	980.3	1018.1	1056.0
52.5°	10353.8	10206.5	9617.5	5460.9	1741.8	1375.7	1144.3	934.0	942.4	971.9	1009.7
55°	11670.6	11343.3	10034.1	4846.6	1573.5	1346.3	1161.2	883.5	904.5	942.4	971.9
57.5°	12528.9	11960.1	9684.9	3904.2	1396.8	1312.6	1173.8	858.3	875.1	917.2	950.8
60°	11780.0	11207.8	8919.2	2924.0	1245.3	1241.1	1152.8	849.8	824.6	883.5	913.0
62.5°	9651.2	9180.0	7295.2	1868.0	1102.3	1106.5	1106.5	845.6	740.5	816.2	841.4
65°	*6630.5*	*6336.0*	*5158.0*	*1157.0*	*900.3*	*942.4*	*1005.5*	*820.4*	*652.1*	*740.5*	*765.7*
67.5°	4358.6	4142.4	3277.4	715.2	694.2	774.1	870.9	769.9	584.8	664.7	681.6
70°	2364.4	2200.3	1544.0	471.2	454.4	605.8	685.8	652.1	525.9	593.2	610.0
72.5°	1560.9	1426.2	887.7	332.4	332.4	475.4	479.6	534.3	471.2	525.9	542.7
75°	1173.8	1053.5	572.2	231.4	256.6	302.9	374.4	382.9	395.5	446.0	467.0
77.5°	538.5	472.9	210.4	138.8	189.3	210.4	286.1	244.0	294.5	332.4	340.8
80°	311.3	272.6	117.8	92.6	122.0	134.6	235.6	143.0	176.7	235.6	248.2
82.5°	130.4	116.1	58.9	63.1	75.7	79.9	130.4	101.0	113.6	155.7	151.5
85°	37.9	37.9	37.9	42.1	46.3	46.3	75.7	71.5	67.3	71.5	71.5
87.5°	25.2	25.2	25.2	25.2	29.5	29.5	33.7	37.9	42.1	42.1	42.1
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°	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6	2368.6
2.5°	2162.5	2133.0	2095.2	2040.5	2032.1	2002.6	1981.6	2002.6	2023.6	2061.5	2065.7
5°	2002.6	1956.3	1868.0	1800.7	1724.9	1687.1	1682.9	1674.4	1699.7	1754.4	1788.0
7.5°	1914.3	1838.5	1678.7	1560.9	1455.7	1417.8	1388.4	1413.6	1409.4	1480.9	1510.4
10°	1893.2	1775.4	1552.4	1375.7	1245.3	1194.8	1165.4	1161.2	1169.6	1211.7	1241.1
12.5°	1968.9	1817.5	1502.0	1241.1	1089.7	1035.0	1001.3	971.9	971.9	980.3	1018.1
15°	2137.2	1956.3	1531.4	1178.0	1013.9	942.4	887.7	849.8	820.4	824.6	828.8
17.5°	2372.8	2158.3	1607.1	1157.0	967.6	891.9	824.6	786.7	753.1	744.7	744.7
20°	2557.9	2351.8	1666.0	1140.1	929.8	833.0	774.1	740.5	711.0	698.4	698.4
22.5°	2579.0	2431.7	1716.5	1119.1	883.5	774.1	719.4	690.0	668.9	664.7	664.7
25°	2440.1	2368.6	1699.7	1093.9	837.2	719.4	677.4	652.1	631.1	626.9	631.1
27.5°	2208.8	2170.9	1640.8	1060.2	799.4	677.4	639.5	618.5	597.4	593.2	597.4
30°	2002.6	1960.5	1539.8	1005.5	769.9	643.7	601.6	580.6	559.6	559.6	563.8
32.5°	1834.3	1792.2	1438.8	942.4	732.0	605.8	568.0	546.9	525.9	525.9	534.3
35°	1682.9	1649.2	1358.9	879.3	694.2	572.2	530.1	513.3	496.4	492.2	500.7
37.5°	1552.4	1535.6	1287.4	812.0	656.3	538.5	500.7	483.8	462.8	458.6	467.0
40°	1426.2	1417.8	1207.5	753.1	610.0	504.9	467.0	450.2	424.9	424.9	433.3
42.5°	1308.4	1304.2	1135.9	715.2	568.0	471.2	429.1	412.3	391.3	391.3	399.7
45°	1215.9	1211.7	1068.6	694.2	525.9	433.3	395.5	374.4	357.6	361.8	370.2
47.5°	1131.7	1123.3	997.1	698.4	504.9	408.1	357.6	336.6	324.0	332.4	345.0
50°	1064.4	1056.0	946.6	702.6	471.2	374.4	328.2	307.1	298.7	311.3	324.0
52.5°	1022.3	1013.9	896.1	677.4	429.1	349.2	298.7	286.1	286.1	298.7	307.1
55°	980.3	971.9	812.0	622.7	382.9	324.0	277.7	269.3	269.3	281.9	290.3
57.5°	955.0	938.2	723.6	559.6	345.0	294.5	256.6	256.6	256.6	260.8	265.1
60°	917.2	875.1	631.1	479.6	315.5	265.1	239.8	235.6	235.6	231.4	235.6
62.5°	837.2	765.7	530.1	408.1	281.9	239.8	218.8	214.6	201.9	189.3	193.5
65°	*757.3*	*647.9*	*420.7*	*340.8*	*244.0*	*206.2*	*193.5*	*189.3*	*168.3*	*151.5*	*155.7*
67.5°	656.3	517.5	315.5	286.1	210.4	176.7	164.1	164.1	151.5	138.8	138.8
70°	584.8	403.9	265.1	214.6	168.3	138.8	138.8	147.3	134.6	117.8	117.8
72.5°	517.5	328.2	214.6	172.5	130.4	109.4	117.8	122.0	109.4	96.8	96.8
75°	441.8	256.6	168.3	134.6	96.8	84.1	88.4	96.8	88.4	75.7	79.9
77.5°	319.7	176.7	113.6	88.4	71.5	63.1	67.3	67.3	63.1	58.9	58.9
80°	223.0	117.8	75.7	58.9	50.5	46.3	46.3	42.1	42.1	46.3	46.3
82.5°	134.6	84.1	54.7	46.3	37.9	29.5	29.5	33.7	33.7	37.9	37.9
85°	58.9	50.5	37.9	33.7	25.2	21.0	25.2	25.2	29.5	33.7	33.7
87.5°	37.9	37.9	29.5	25.2	21.0	16.8	16.8	21.0	21.0	25.2	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

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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°	2082.5	2124.6	2175.1	2246.6	2309.7	2385.5	2461.2	2532.7	2600.0	2608.4	2637.9
5°	1813.3	1893.2	1994.2	2112.0	2255.0	2406.5	2553.7	2709.4	2835.6	2881.9	2949.2
7.5°	1535.6	1636.6	1783.8	1964.7	2166.7	2393.9	2621.1	2839.8	3029.1	3117.5	3205.8
10°	1270.6	1367.3	1548.2	1767.0	2027.8	2335.0	2637.9	2932.4	3163.8	3264.7	3348.9
12.5°	1030.8	1127.5	1274.8	1527.2	1842.7	2213.0	2612.6	2966.0	3222.7	3327.9	3407.8
15°	841.4	921.4	1060.2	1295.8	1628.2	2044.7	2524.3	2940.8	3235.3	3336.3	3395.2
17.5°	740.5	761.5	849.8	1064.4	1426.2	1893.2	2410.7	2907.1	3243.7	3336.3	3369.9
20°	698.4	698.4	715.2	828.8	1182.2	1733.3	2326.6	2886.1	3256.3	3348.9	3344.7
22.5°	660.5	668.9	668.9	694.2	900.3	1510.4	2238.2	2877.7	3294.2	3365.7	3306.8
25°	626.9	639.5	639.5	647.9	706.8	1245.3	2128.8	2894.5	3361.5	3399.4	3281.6
27.5°	597.4	610.0	610.0	618.5	631.1	925.6	1947.9	2898.7	3437.2	3441.4	3247.9
30°	568.0	580.6	589.0	589.0	597.4	681.6	1720.7	2873.5	3521.4	3496.1	3243.7
32.5°	534.3	551.1	555.3	563.8	568.0	593.2	1426.2	2831.4	3626.6	3571.9	3247.9
35°	504.9	525.9	530.1	530.1	538.5	563.8	1140.1	2785.1	3769.6	3672.8	3264.7
37.5°	475.4	492.2	496.4	500.7	509.1	534.3	904.5	2717.8	3891.6	3799.1	3348.9
40°	441.8	462.8	467.0	471.2	479.6	504.9	778.3	2633.7	4076.7	4009.4	3475.1
42.5°	408.1	429.1	437.5	441.8	446.0	479.6	711.0	2574.8	4375.4	4303.9	3731.7
45°	378.6	399.7	408.1	408.1	416.5	462.8	652.1	2705.2	4787.7	4754.1	4076.7
47.5°	353.4	374.4	378.6	378.6	382.9	437.5	601.6	3054.4	5418.8	5330.5	4615.2
50°	332.4	349.2	357.6	349.2	353.4	416.5	631.1	3630.8	6226.6	6256.0	5406.2
52.5°	315.5	332.4	336.6	319.7	319.7	387.1	668.9	4102.0	7257.3	7526.6	6659.9
55°	294.5	311.3	315.5	294.5	294.5	340.8	580.6	4131.4	8431.1	9297.8	8292.3
57.5°	273.5	290.3	290.3	273.5	269.3	294.5	471.2	3664.4	9339.9	11304.6	10526.3
60°	248.2	265.1	260.8	252.4	244.0	269.3	433.3	2793.5	9217.9	12613.0	13088.4
62.5°	201.9	227.2	235.6	231.4	214.6	244.0	403.9	1821.7	7976.8	11477.1	13008.5
65°	*168.3*	*189.3*	*201.9*	*201.9*	*189.3*	*269.3*	*353.4*	*959.2*	*6386.5*	*9739.6*	*11468.7*
67.5°	147.3	168.3	176.7	172.5	164.1	239.8	223.0	462.8	4897.1	8393.3	10265.4
70°	130.4	147.3	155.7	143.0	134.6	193.5	159.9	273.5	3277.4	7004.9	9142.1
72.5°	105.2	122.0	130.4	117.8	105.2	143.0	122.0	180.9	2133.0	5969.9	8124.0
75°	84.1	101.0	105.2	96.8	84.1	105.2	96.8	126.2	1392.6	4939.2	6908.1
77.5°	63.1	71.5	79.9	75.7	63.1	75.7	67.3	88.4	795.2	3466.7	4846.6
80°	50.5	54.7	54.7	54.7	50.5	46.3	46.3	58.9	357.6	1708.1	2528.5
82.5°	42.1	46.3	46.3	42.1	37.9	33.7	29.5	33.7	105.2	765.7	1165.4
85°	37.9	42.1	33.7	29.5	25.2	21.0	12.6	12.6	29.5	122.0	227.2
87.5°	29.5	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	0.0

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

Scaled Data Report

REPORT NUMBER: P1364540
CATALOG NUMBER: GSS-SB4B-722-U-SLR-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°	2684.2	2726.2	2755.7	2780.9	2772.5	2751.5	2709.4	2680.0	2673.2	2671.5
5°	3037.6	3104.9	3163.8	3155.4	3163.8	3100.7	3037.6	2961.8	2931.5	2924.0
7.5°	3332.1	3416.2	3487.7	3479.3	3454.1	3382.5	3277.4	3163.8	3109.9	3096.5
10°	3491.9	3588.7	3647.6	3626.6	3584.5	3491.9	3386.8	3252.1	3191.5	3176.4
12.5°	3521.4	3584.5	3571.9	3563.5	3555.0	3508.8	3428.8	3306.8	3246.2	3231.1
15°	3445.7	3420.4	3348.9	3332.1	3395.2	3454.1	3437.2	3336.3	3279.1	3264.7
17.5°	3319.4	3189.0	3058.6	3041.8	3146.9	3311.0	3441.4	3382.5	3328.7	3315.2
20°	3180.6	2936.6	2793.5	2764.1	2894.5	3138.5	3395.2	3428.8	3391.8	3382.5
22.5°	3016.5	2730.4	2579.0	2562.2	2658.9	2945.0	3327.9	3479.3	3462.5	3458.3
25°	2873.5	2549.5	2406.5	2381.2	2507.5	2785.1	3260.5	3563.5	3553.4	3550.8
27.5°	2755.7	2419.1	2267.7	2250.8	2372.8	2650.5	3176.4	3635.0	3668.6	3677.0
30°	2663.1	2322.3	2170.9	2149.9	2284.5	2557.9	3117.5	3735.9	3799.9	3815.9
32.5°	2591.6	2267.7	2124.6	2112.0	2255.0	2520.1	3083.8	3841.1	3972.4	4005.2
35°	2566.4	2284.5	2187.7	2217.2	2326.6	2557.9	3109.1	4013.6	4195.4	4240.8
37.5°	2621.1	2469.6	2536.9	2612.6	2654.7	2738.9	3226.9	4291.3	4526.9	4585.8
40°	2797.8	2966.0	3281.6	3428.8	3412.0	3218.5	3496.1	4682.6	5019.1	5103.3
42.5°	3247.9	3794.8	4463.8	4712.0	4569.0	3984.2	3925.3	5326.3	5709.9	5805.9
45°	3916.9	4796.2	5894.2	6453.8	5961.5	4956.0	4602.6	6243.4	6613.6	6706.2
47.5°	4585.8	5915.3	7661.2	8326.0	7358.3	5919.5	5490.3	7341.5	7674.7	7758.0
50°	5267.4	7152.2	9424.0	10311.7	8750.9	6899.7	6432.7	8696.2	8938.5	8999.1
52.5°	5969.9	8258.6	11367.7	12133.4	10206.5	7657.0	7509.8	10172.9	10317.6	10353.8
55°	6752.5	9306.2	13315.6	13934.1	11531.8	8317.5	8771.9	11716.9	11679.9	11670.6
57.5°	7795.8	10408.5	14884.9	15747.4	12735.0	9209.5	10459.0	13433.4	12709.8	12528.9
60°	9617.5	12120.8	16837.0	17775.2	14346.4	10513.7	11700.1	13395.6	12103.1	11780.0
62.5°	11729.5	13770.0	18604.0	19395.0	16041.9	11809.5	10711.4	11249.9	9970.9	9651.2
65°	10189.7	13479.7	18658.7	19470.7	16105.0	11018.5	7917.9	7976.8	6899.7	6630.5
67.5°	8670.9	11948.3	16992.7	17632.2	14367.4	9108.5	5250.5	5204.2	4527.7	4358.6
70°	7720.1	10467.4	14645.1	14094.0	12078.7	7699.1	3487.7	2890.3	2469.6	2364.4
72.5°	6937.6	8304.9	11868.4	9714.3	10021.4	6264.4	2217.2	1968.9	1642.5	1560.9
75°	6281.3	6870.3	7404.6	6714.6	7118.5	5162.2	1880.6	1518.8	1242.8	1173.8
77.5°	4998.1	5347.3	4383.9	4257.6	4985.5	3672.8	934.0	639.5	558.7	538.5
80°	2974.5	2528.5	2486.4	2835.6	3319.4	1905.8	572.2	353.4	319.7	311.3
82.5°	1800.7	913.0	992.9	1253.7	1767.0	866.7	340.8	151.5	134.6	130.4
85°	302.9	248.2	382.9	366.0	345.0	185.1	92.6	42.1	38.7	37.9
87.5°	8.4	12.6	16.8	21.0	21.0	21.0	21.0	21.0	24.4	25.2
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

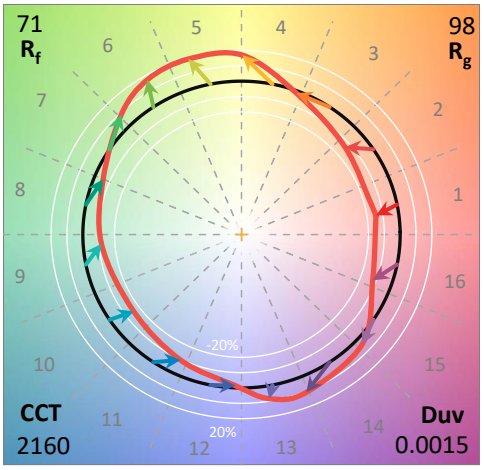
Test Information

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

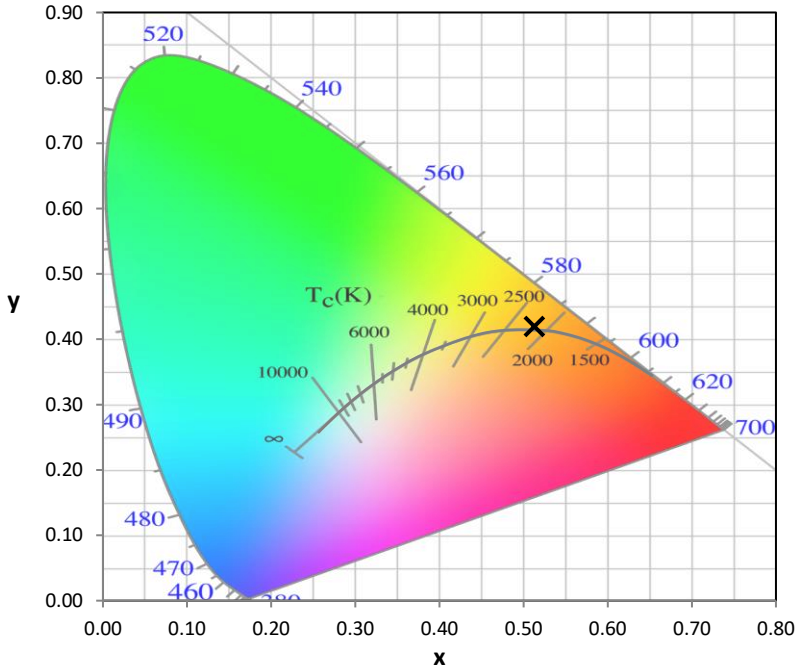
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

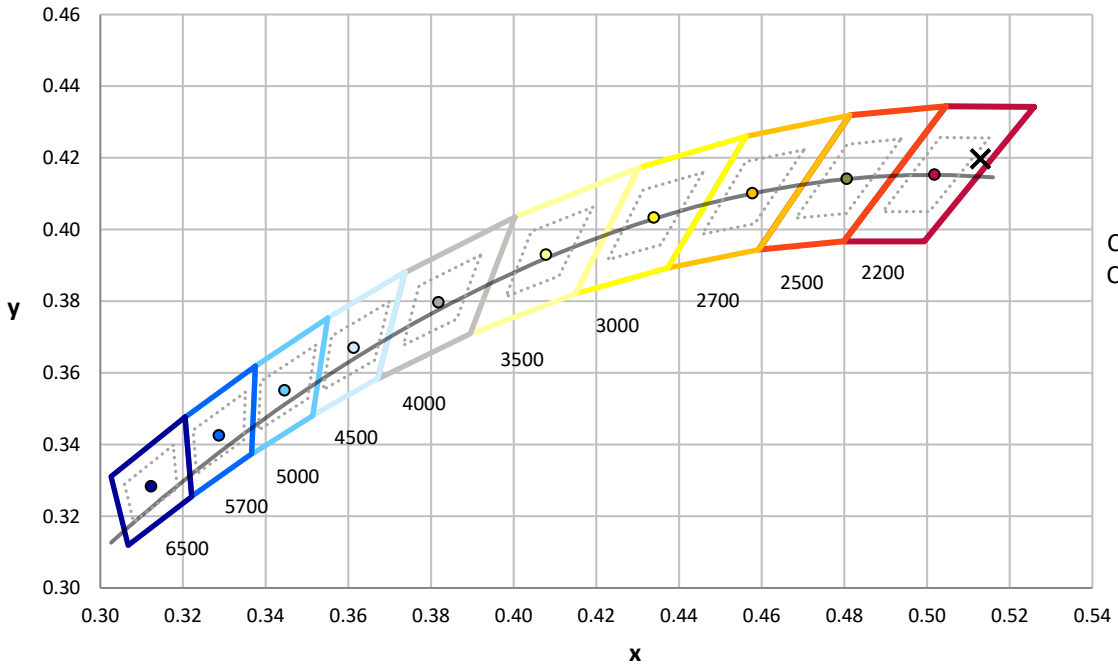
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

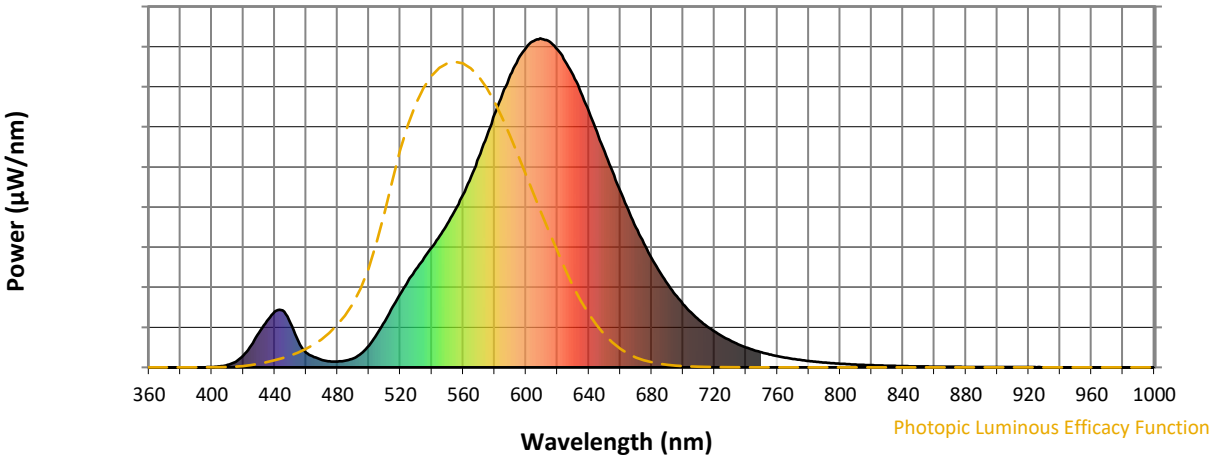


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

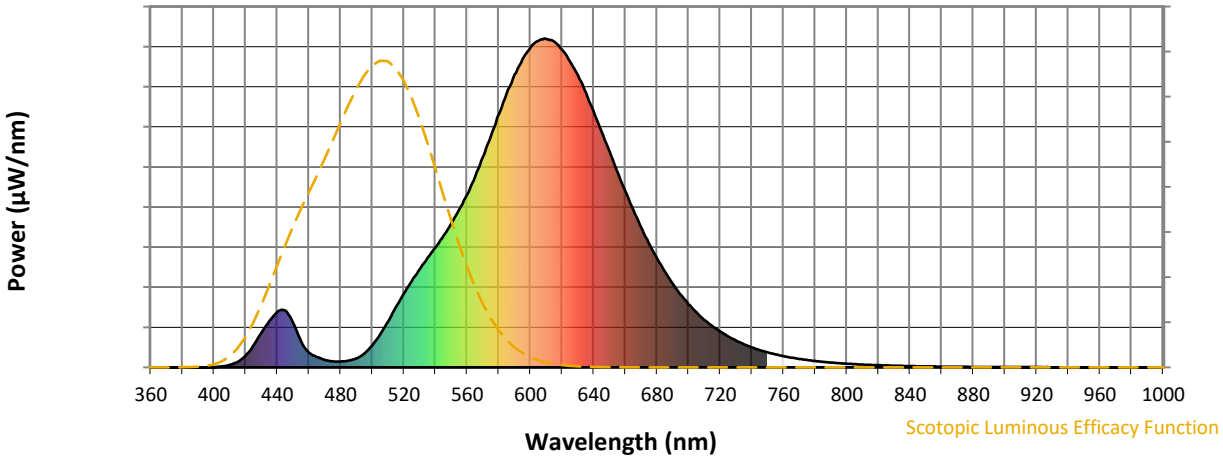


Photopic Lumens: NR

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

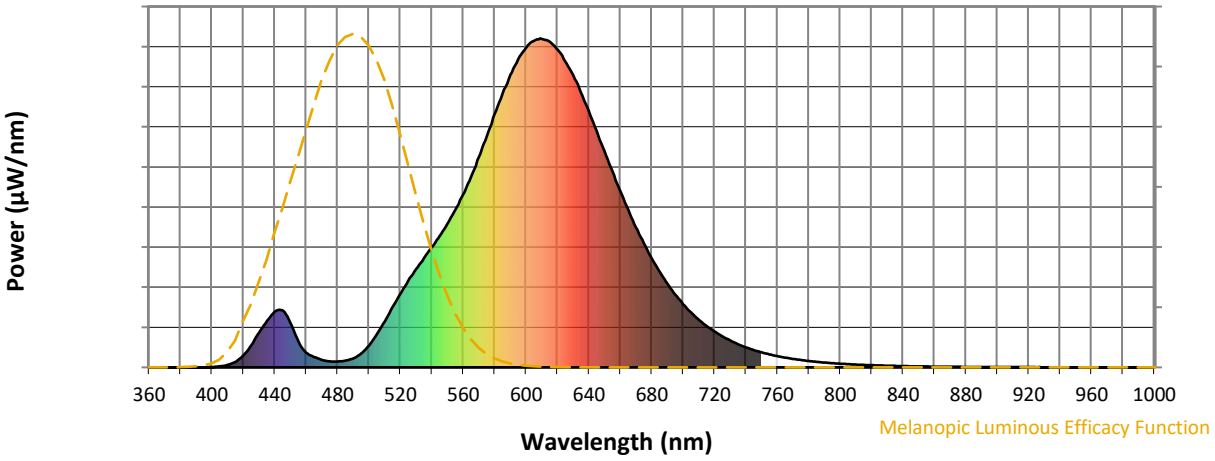


Scotopic Lumens: NR **S/P: 0.8**

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			

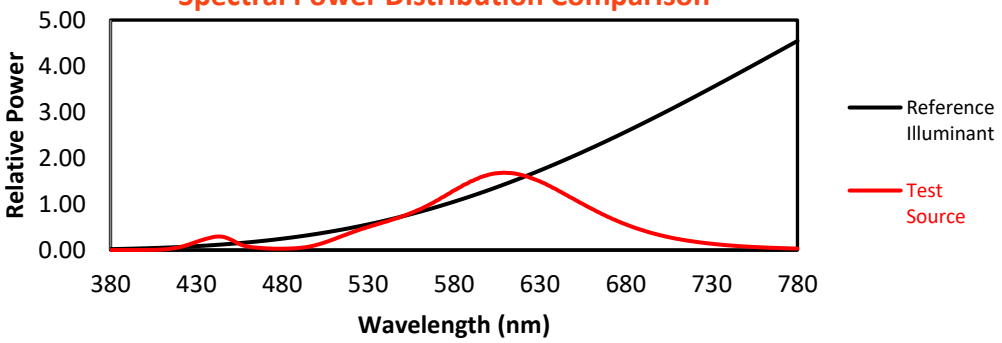
REPORT NUMBER: SP1-2407-184-2

TM-30-18

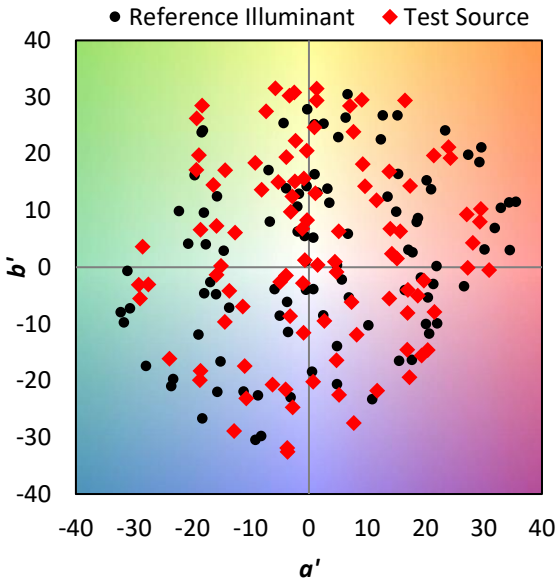
Summary

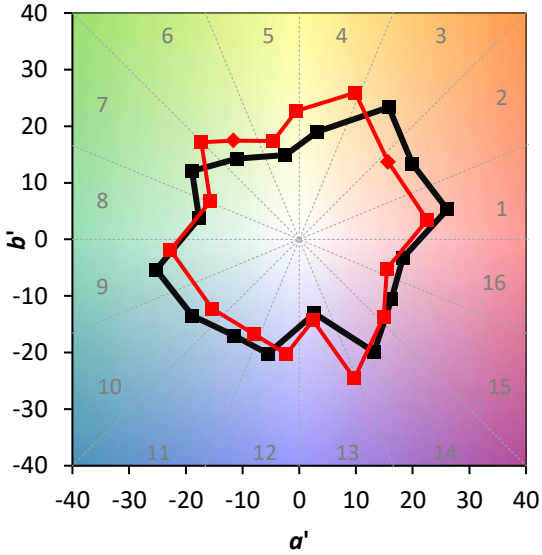
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

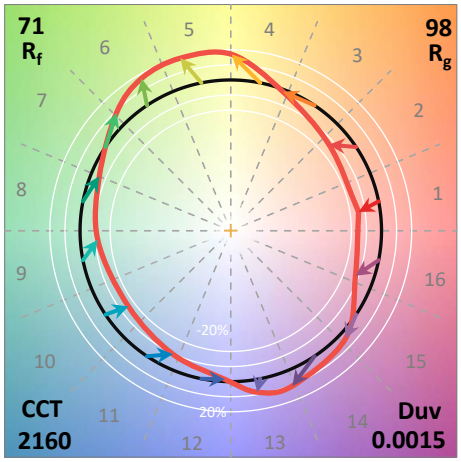
Spectral Power Distribution Comparison

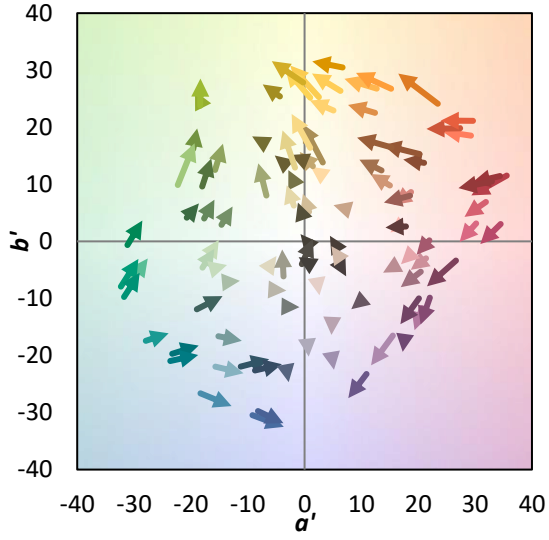


Color Vector Graphics







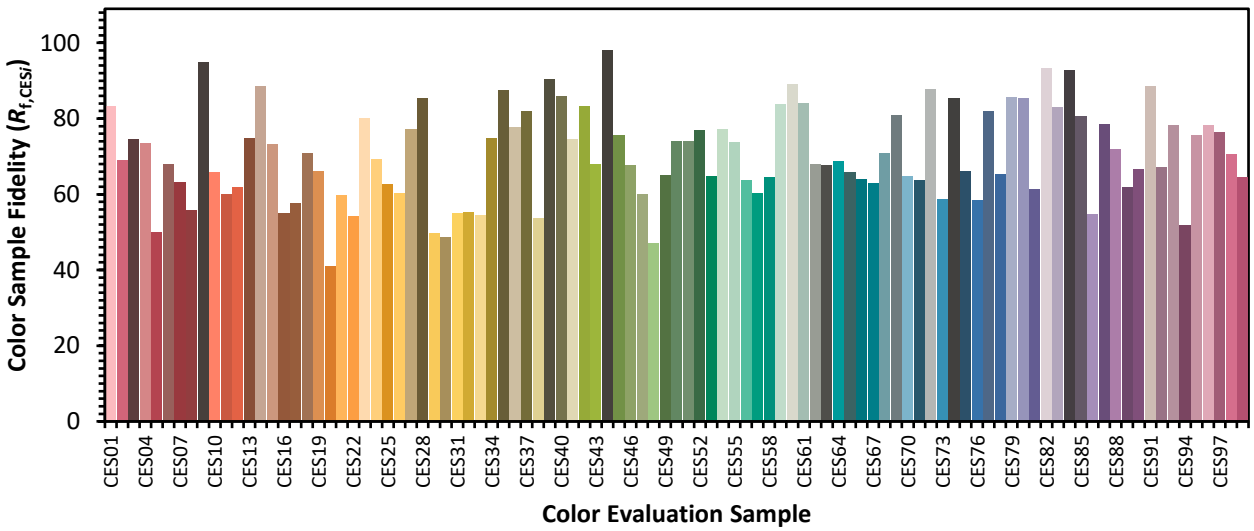


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Individual Sample Fidelity Index ($R_{f,i}$)

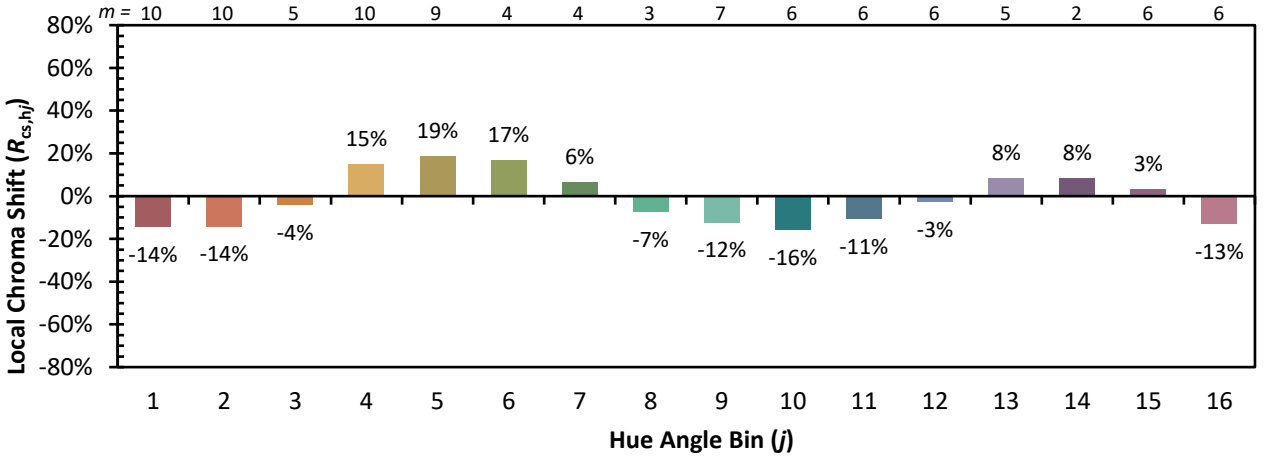
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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

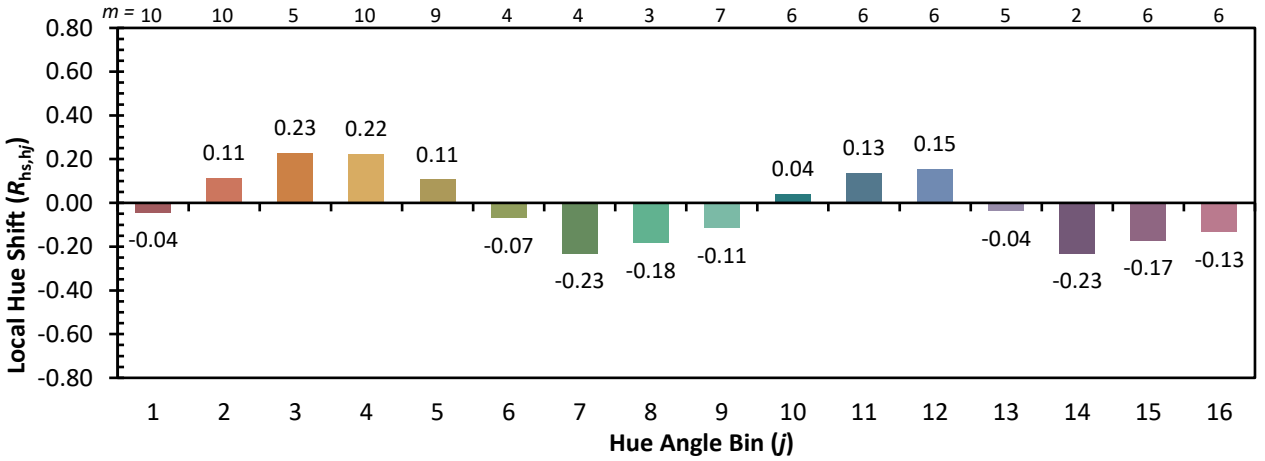


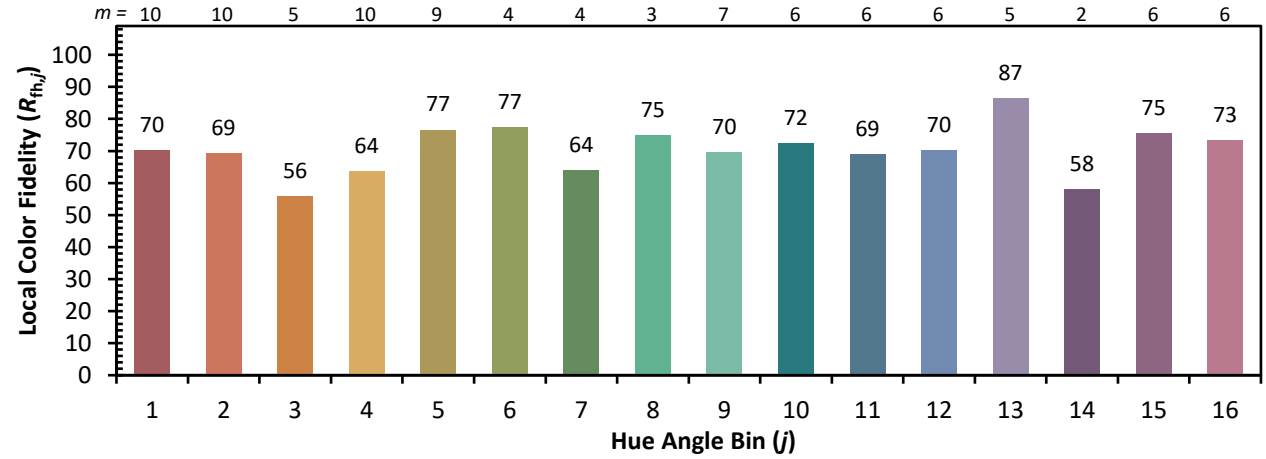
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Color Rendition by Hue-Angle Bin



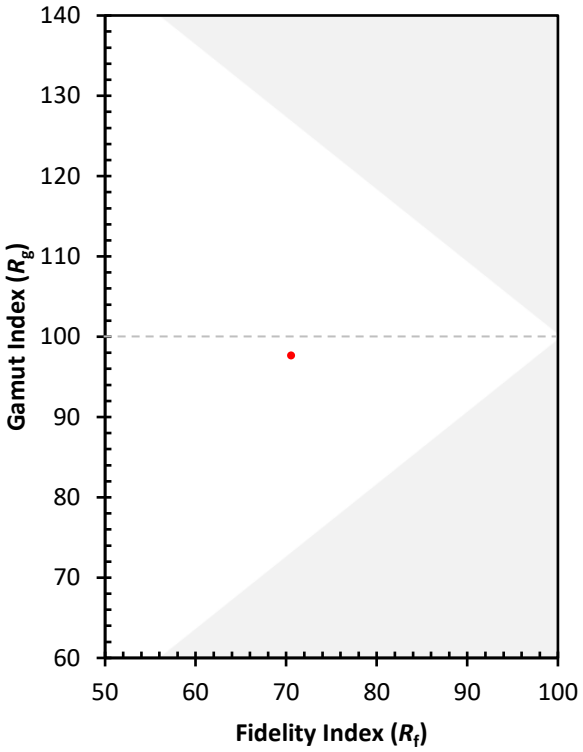


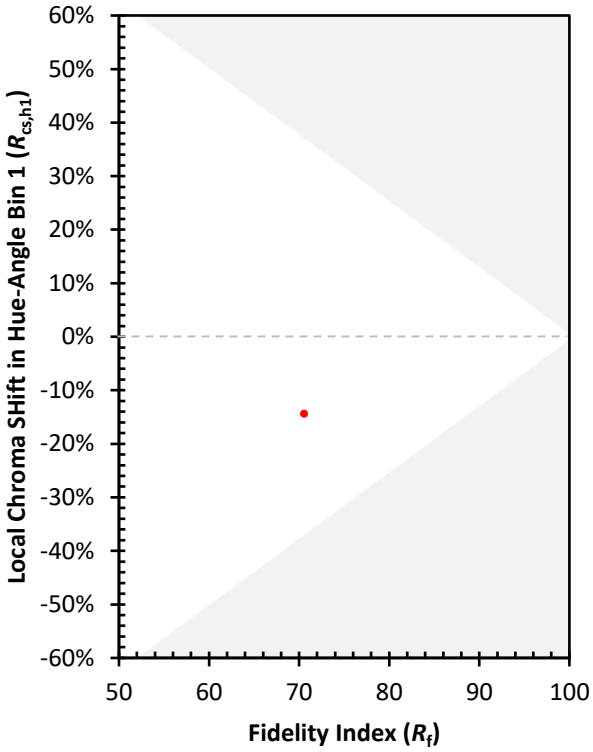


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Measure Comparisons





(END OF REPORT)