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: P1501369

Luminaire Tested: GSS-SB6A-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:	P1501369
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21509.3 lumens
Efficiency:	N/A
Efficacy:	126.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

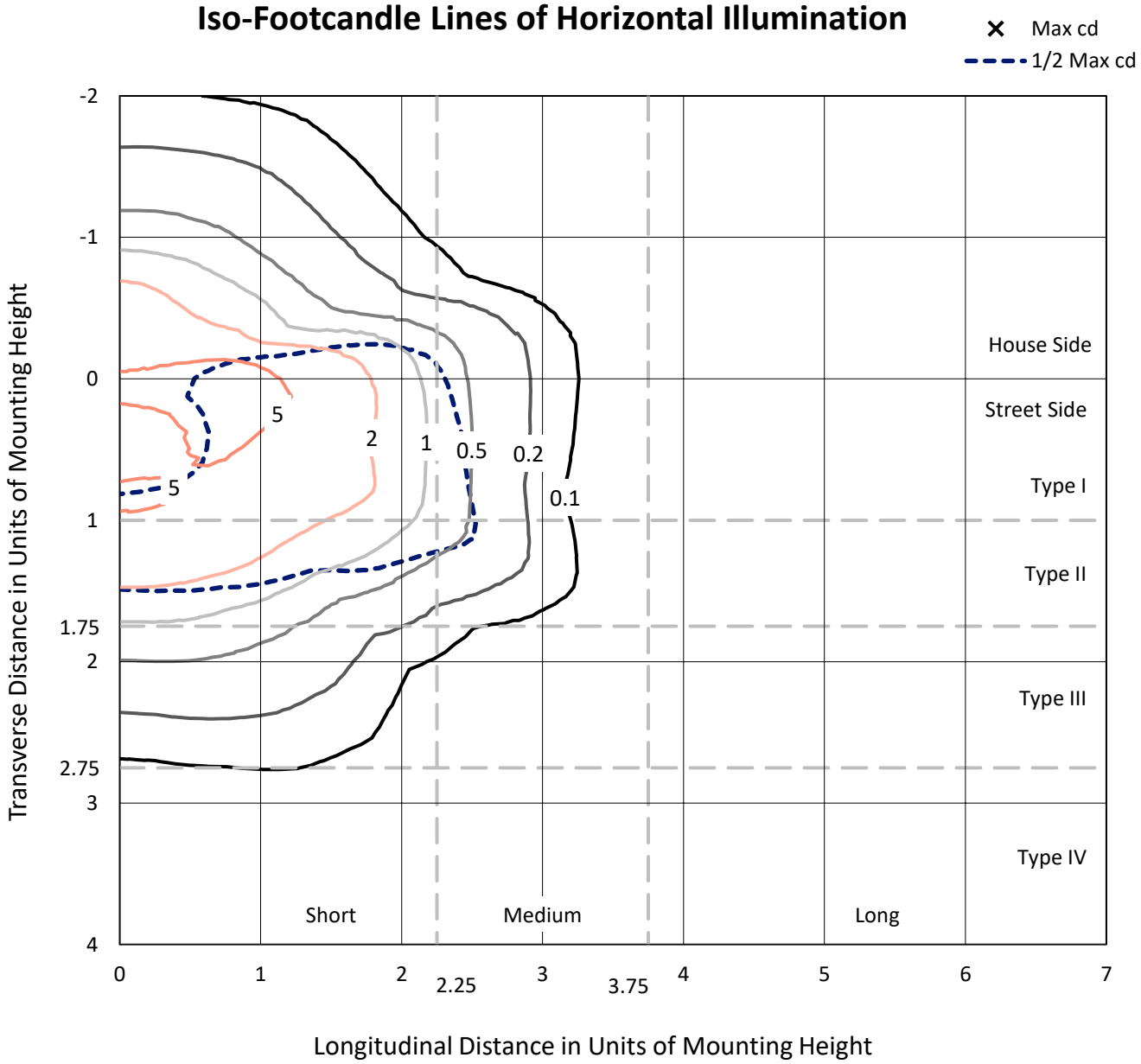
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



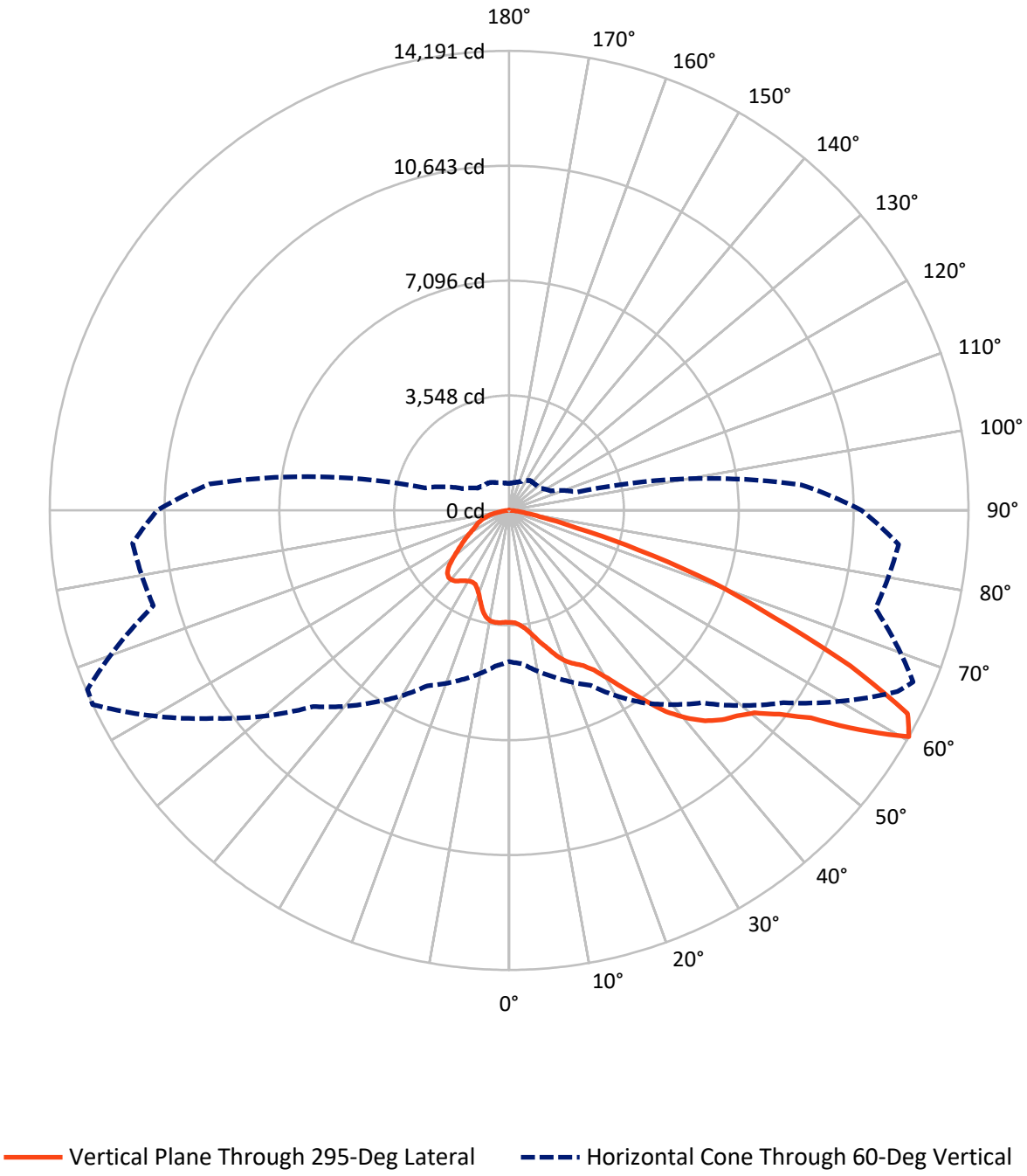
Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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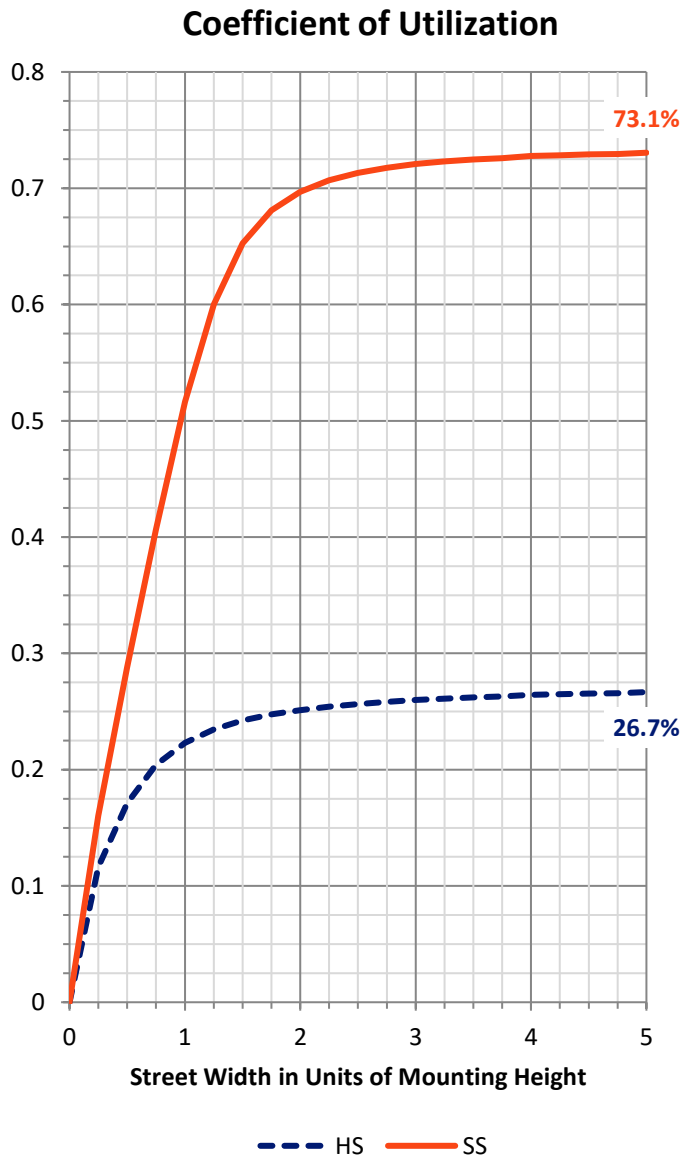
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5784.1	0.0	5784.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	15725.2	0.0	15725.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	21509.3	0.0	21509.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.4	1.5
10°-20°	935.4	4.3
20°-30°	1771.8	8.2
30°-40°	3123.6	14.5
40°-50°	4619.4	21.5
50°-60°	5424.5	25.2
60°-70°	3930.3	18.3
70°-80°	1212.1	5.6
80°-90°	166.9	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	21509.3	100.0
0°-180°	21509.3	100.0



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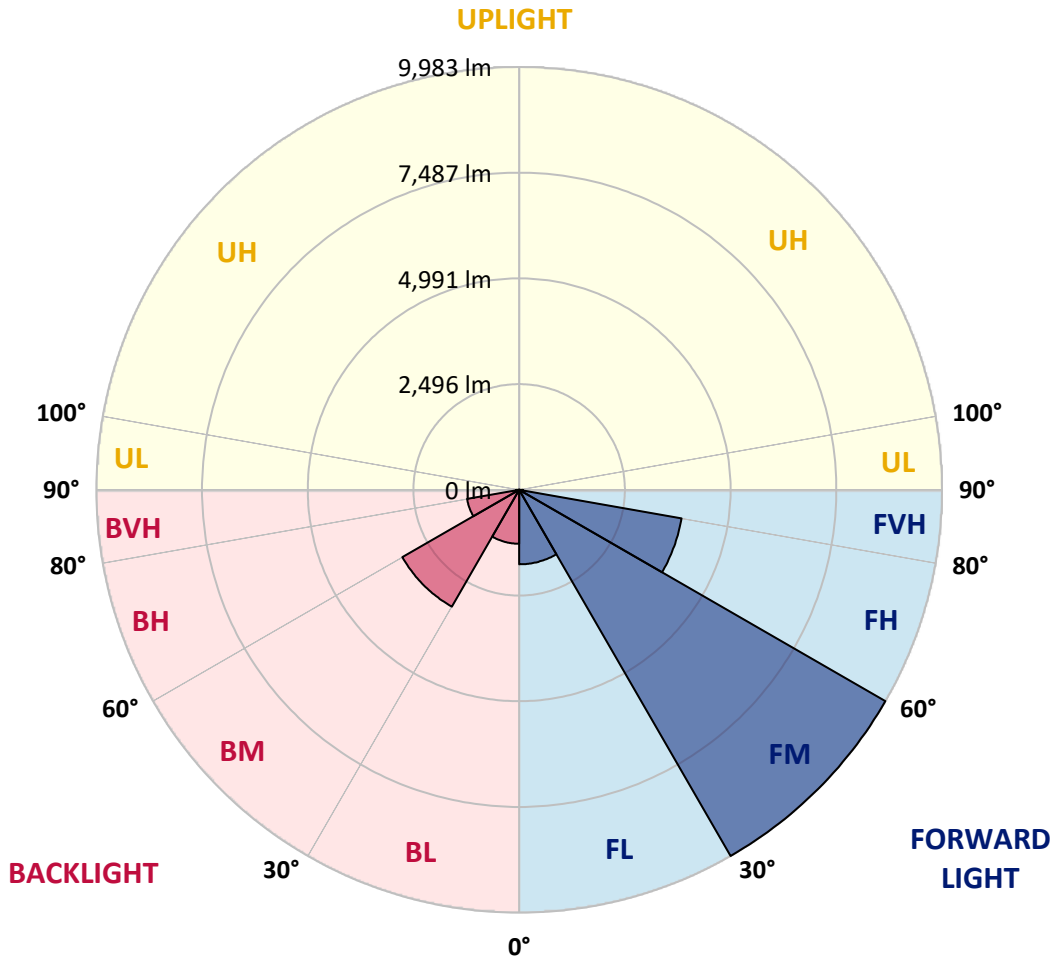
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1758.7	8.2			
FM	(30°-60°)	9982.6	46.4			
FH	(60°-80°)	3893.8	18.1			G2/5000
FVH	(80°-90°)	90.0	0.4			G1/100
BL	(0°-30°)	1273.9	5.9	B3/2500		
BM	(30°-60°)	3184.9	14.8	B3/5000		
BH	(60°-80°)	1248.5	5.8	B3/2500		G3/2500
BVH	(80°-90°)	76.8	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°	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7
2.5°	3529.4	3539.2	3524.5	3534.3	3534.3	3519.6	3514.7	3495.1	3504.9	3500.0	3495.1
5°	3612.7	3617.6	3607.8	3622.5	3622.5	3627.4	3622.5	3598.0	3598.0	3598.0	3588.2
7.5°	3588.2	3588.2	3593.1	3642.1	3691.1	3754.9	3754.9	3745.1	3754.9	3750.0	3705.8
10°	3382.3	3401.9	3446.0	3568.6	3686.2	3823.5	3916.6	3946.0	3946.0	3950.9	3877.4
12.5°	3014.7	3029.4	3132.3	3318.6	3563.7	3813.7	4039.2	4186.2	4200.9	4225.4	4127.4
15°	2686.2	2696.0	2769.6	2960.7	3240.2	3681.3	4107.8	4411.7	4460.7	4563.7	4416.6
17.5°	2715.7	2710.8	2730.4	2803.9	3004.9	3465.6	4093.1	4676.4	4764.6	4946.0	4818.6
20°	2892.1	2892.1	2906.8	2921.5	2995.1	3308.8	3985.2	4892.1	5063.7	5416.6	5269.5
22.5°	3171.5	3171.5	3166.6	3191.1	3191.1	3377.4	3990.1	5053.9	5308.8	5941.1	5798.9
25°	3558.8	3539.2	3539.2	3549.0	3504.9	3637.2	4112.7	5220.5	5553.9	6563.6	6441.1
27.5°	3995.0	4009.8	4000.0	3965.6	3906.8	4009.8	4406.8	5480.3	5828.4	7220.5	7171.5
30°	4470.5	4475.4	4485.2	4465.6	4416.6	4490.1	4867.6	5872.5	6191.1	7906.8	8014.6
32.5°	4936.2	5004.8	4980.3	4931.3	4950.9	5083.3	5436.2	6401.9	6730.3	8544.0	8926.4
35°	5529.3	5553.9	5651.9	5470.5	5475.4	5700.9	6161.7	7098.0	7416.6	9205.8	9838.1
37.5°	6392.1	6436.2	6392.1	6107.8	6063.7	6377.4	6867.6	7784.2	8014.6	9705.8	10686.1
40°	7240.1	7294.0	7367.6	7034.2	6754.8	7014.6	7534.2	8308.7	8548.9	9980.3	11249.9
42.5°	7941.1	8029.3	7950.9	7852.8	7597.9	7647.0	7999.9	8715.6	8955.8	10328.3	11818.5
45°	8534.2	8548.9	8583.2	8514.6	8387.2	8343.0	8397.0	9073.4	9338.1	10485.2	12097.9
47.5°	8779.3	8843.0	8872.4	8990.1	9122.4	9034.2	8735.2	9240.1	9480.3	10475.4	12186.1
50°	8647.0	8710.7	8867.5	9146.9	9465.6	9622.4	9132.2	9470.5	9740.1	10651.8	12367.5
52.5°	8298.9	8367.5	8622.4	8941.1	9475.4	9833.2	9691.1	9950.9	10210.7	10965.6	12671.4
55°	7455.8	7558.7	7916.6	8446.0	9181.3	9720.5	10279.3	10656.7	10941.0	11343.0	12985.1
57.5°	6230.3	6338.2	6740.1	7534.2	8637.1	9254.8	10450.9	11980.2	12107.7	11794.0	13014.5
60°	*4666.6*	*4754.8*	*5323.5*	*5960.7*	*7254.8*	*8401.9*	*10352.8*	*13235.1*	*13558.7*	*11715.5*	*12078.3*
62.5°	3696.0	3803.9	4308.8	4602.9	5529.3	6941.1	10009.7	13583.2	13862.6	11068.5	10774.4
65°	2887.2	2960.7	3431.3	3852.9	4078.4	4740.1	8578.3	11882.2	12132.2	10014.6	8892.0
67.5°	1906.8	2019.6	2578.4	3156.8	3274.5	3014.7	5901.9	9142.0	9259.7	7960.7	6686.2
70°	1367.6	1421.6	1838.2	2455.9	2632.3	2019.6	3215.6	6921.5	6955.8	5343.1	4504.8
72.5°	931.4	941.2	1250.0	1882.3	2098.0	1465.7	1769.6	4558.8	4441.1	2637.2	2578.4
75°	632.3	642.1	799.0	1254.9	1485.3	1019.6	1151.9	2485.3	2387.2	1455.9	1563.7
77.5°	426.5	436.3	549.0	843.1	990.2	705.9	843.1	1313.7	1289.2	965.7	838.2
80°	323.5	338.2	406.9	539.2	691.2	411.8	480.4	622.5	632.3	514.7	426.5
82.5°	181.4	201.0	245.1	274.5	446.1	230.4	230.4	372.5	357.8	318.6	230.4
85°	78.4	83.3	98.0	102.9	181.4	98.0	83.3	161.8	166.7	156.9	73.5
87.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	19.6	19.6	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7
2.5°	3470.5	3500.0	3470.5	3455.8	3455.8	3431.3	3421.5	3421.5	3387.2	3401.9	3392.1
5°	3549.0	3558.8	3524.5	3480.3	3421.5	3372.5	3303.9	3215.6	3161.7	3156.8	3161.7
7.5°	3671.5	3676.4	3583.3	3485.3	3338.2	3161.7	2950.9	2779.4	2627.4	2602.9	2632.3
10°	3843.1	3833.3	3696.0	3465.6	3156.8	2784.3	2460.8	2303.9	2215.7	2210.8	2205.9
12.5°	4073.5	4009.8	3799.0	3382.3	2843.1	2411.7	2245.1	2235.3	2259.8	2279.4	2284.3
15°	4338.2	4254.8	3882.3	3220.5	2524.5	2274.5	2284.3	2367.6	2397.0	2416.6	2416.6
17.5°	4666.6	4558.8	3975.4	2990.2	2362.7	2303.9	2372.5	2450.9	2500.0	2519.6	2514.7
20°	5102.9	4877.4	4049.0	2769.6	2318.6	2352.9	2411.7	2490.2	2539.2	2563.7	2563.7
22.5°	5539.1	5259.7	4063.7	2617.6	2318.6	2357.8	2411.7	2490.2	2544.1	2568.6	2563.7
25°	6132.3	5749.9	4068.6	2509.8	2323.5	2333.3	2382.3	2450.9	2529.4	2553.9	2563.7
27.5°	6764.6	6289.1	4093.1	2485.3	2303.9	2299.0	2333.3	2397.0	2475.5	2539.2	2544.1
30°	7548.9	6897.0	4102.9	2509.8	2308.8	2245.1	2269.6	2333.3	2416.6	2480.4	2500.0
32.5°	8318.5	7460.7	4083.3	2563.7	2318.6	2210.8	2215.7	2254.9	2343.1	2387.2	2421.5
35°	9132.2	8058.7	4049.0	2637.2	2323.5	2196.1	2151.9	2171.5	2230.4	2235.3	2250.0
37.5°	9769.5	8504.8	3946.0	2735.3	2333.3	2142.1	2053.9	2039.2	2014.7	1965.7	1975.5
40°	10294.0	8803.8	3774.5	2784.3	2308.8	2078.4	1931.3	1862.7	1769.6	1696.1	1710.8
42.5°	10671.4	9004.8	3568.6	2794.1	2269.6	1970.6	1789.2	1671.5	1568.6	1490.2	1495.1
45°	10838.1	8985.2	3348.0	2720.6	2176.4	1838.2	1656.8	1544.1	1431.4	1348.0	1338.2
47.5°	10843.0	8794.0	3044.1	2544.1	2019.6	1686.3	1534.3	1411.7	1318.6	1259.8	1254.9
50°	10882.2	8686.2	2759.8	2289.2	1813.7	1524.5	1426.5	1303.9	1250.0	1166.7	1142.1
52.5°	11127.3	8862.6	2563.7	2009.8	1622.5	1406.8	1333.3	1225.5	1137.2	1083.3	1078.4
55°	11524.4	9166.6	2455.9	1799.0	1441.2	1294.1	1245.1	1151.9	1073.5	1019.6	1004.9
57.5°	11573.4	9323.4	2328.4	1602.9	1294.1	1205.9	1186.3	1083.3	970.6	931.4	916.7
60°	*10887.1*	*9058.7*	*2171.5*	*1421.6*	*1186.3*	*1137.2*	*1127.4*	*990.2*	*897.0*	*848.0*	*828.4*
62.5°	9950.9	8397.0	1931.3	1254.9	1102.9	1068.6	1029.4	921.6	803.9	750.0	735.3
65°	8132.3	7058.7	1642.1	1142.1	1019.6	980.4	970.6	823.5	745.1	715.7	710.8
67.5°	6161.7	5671.5	1446.1	1058.8	931.4	916.7	882.3	833.3	799.0	764.7	754.9
70°	4357.8	4093.1	1230.4	951.0	843.1	818.6	960.8	906.9	784.3	740.2	735.3
72.5°	2642.1	2568.6	1063.7	852.9	725.5	764.7	887.2	818.6	705.9	652.0	632.3
75°	1666.6	1524.5	892.1	725.5	578.4	622.5	774.5	730.4	607.8	553.9	539.2
77.5°	906.9	843.1	671.6	593.1	455.9	504.9	676.5	602.9	485.3	529.4	470.6
80°	397.1	441.2	446.1	343.1	303.9	372.5	485.3	470.6	372.5	377.4	313.7
82.5°	191.2	250.0	289.2	235.3	171.6	220.6	323.5	269.6	250.0	235.3	225.5
85°	58.8	93.1	127.4	112.7	78.4	93.1	152.0	147.1	176.5	152.0	142.2
87.5°	19.6	19.6	14.7	14.7	14.7	19.6	24.5	14.7	4.9	4.9	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7
2.5°	3387.2	3392.1	3392.1	3397.0	3397.0	3411.7	3431.3	3450.9	3436.2	3455.8	3460.7
5°	3151.9	3176.4	3196.0	3269.6	3328.4	3377.4	3431.3	3480.3	3495.1	3504.9	3529.4
7.5°	2598.0	2666.6	2794.1	2960.7	3147.0	3328.4	3450.9	3578.4	3598.0	3622.5	3656.8
10°	2210.8	2240.2	2328.4	2500.0	2833.3	3191.1	3490.2	3691.1	3774.5	3823.5	3857.8
12.5°	2274.5	2254.9	2240.2	2264.7	2480.4	2941.1	3465.6	3852.9	4009.8	4063.7	4107.8
15°	2426.4	2406.8	2352.9	2284.3	2308.8	2676.4	3382.3	4004.9	4254.8	4343.1	4436.2
17.5°	2514.7	2495.1	2450.9	2377.4	2313.7	2455.9	3225.5	4142.1	4642.1	4749.9	4882.3
20°	2563.7	2544.1	2500.0	2426.4	2352.9	2372.5	3024.5	4313.7	5083.3	5254.8	5450.9
22.5°	2573.5	2549.0	2500.0	2426.4	2382.3	2367.6	2833.3	4416.6	5558.8	5823.5	6048.9
25°	2568.6	2524.5	2460.8	2406.8	2382.3	2377.4	2700.9	4475.4	6073.5	6495.0	6749.9
27.5°	2534.3	2480.4	2416.6	2377.4	2367.6	2397.0	2642.1	4544.1	6676.4	7215.6	7622.5
30°	2495.1	2416.6	2338.2	2323.5	2348.0	2441.1	2691.1	4568.6	7308.7	7999.9	8416.6
32.5°	2392.1	2333.3	2254.9	2250.0	2308.8	2475.5	2803.9	4534.3	7867.5	8784.2	9308.7
35°	2245.1	2210.8	2166.6	2181.3	2274.5	2504.9	2882.3	4426.4	8377.3	9514.6	10127.3
37.5°	1985.3	2009.8	2034.3	2068.6	2186.2	2500.0	2916.6	4254.8	8798.9	10097.9	10882.2
40°	1696.1	1779.4	1857.8	1946.1	2102.9	2460.8	2926.4	4044.1	9044.0	10539.1	11553.8
42.5°	1514.7	1593.1	1691.2	1818.6	1990.2	2372.5	2916.6	3808.8	9122.4	10843.0	11980.2
45°	1348.0	1441.2	1563.7	1696.1	1892.1	2245.1	2828.4	3553.9	9161.7	10985.2	12161.6
47.5°	1259.8	1313.7	1426.5	1558.8	1764.7	2088.2	2656.8	3367.6	9102.8	11014.6	12382.2
50°	1156.8	1230.4	1303.9	1431.4	1632.3	1892.1	2450.9	3259.8	9200.9	11303.8	12730.2
52.5°	1078.4	1117.6	1196.1	1313.7	1460.8	1710.8	2254.9	3171.5	9470.5	11597.9	13093.0
55°	1019.6	1063.7	1112.7	1210.8	1323.5	1529.4	2053.9	3039.2	9784.2	11911.6	13455.7
57.5°	926.5	955.9	1024.5	1127.4	1201.0	1352.9	1818.6	2882.3	9759.7	11666.5	12828.3
60°	*843.1*	*872.5*	*946.1*	*1049.0*	*1093.1*	*1196.1*	*1588.2*	*2681.3*	*9289.1*	*10867.5*	*11671.4*
62.5°	750.0	784.3	872.5	946.1	985.3	1063.7	1348.0	2313.7	8308.7	9666.5	10318.5
65°	710.8	730.4	789.2	877.4	872.5	946.1	1137.2	1818.6	6686.2	7387.2	7980.3
67.5°	754.9	784.3	774.5	799.0	784.3	823.5	1019.6	1460.8	5254.8	5563.7	5906.8
70°	745.1	813.7	848.0	799.0	686.3	730.4	882.3	1166.7	3759.8	3730.3	3715.6
72.5°	652.0	720.6	818.6	867.6	671.6	607.8	764.7	1009.8	2411.7	2401.9	2171.5
75°	553.9	602.9	720.6	784.3	578.4	490.2	656.9	857.8	1441.2	1460.8	1303.9
77.5°	509.8	485.3	602.9	691.2	470.6	377.4	529.4	647.1	794.1	803.9	745.1
80°	367.6	352.9	451.0	504.9	357.8	269.6	299.0	402.0	426.5	382.3	397.1
82.5°	235.3	240.2	269.6	323.5	220.6	147.1	205.9	269.6	230.4	186.3	220.6
85°	152.0	171.6	142.2	166.7	68.6	68.6	88.2	117.6	78.4	53.9	58.8
87.5°	0.0	0.0	9.8	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1501369
CATALOG NUMBER: GSS-SB6A-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3460.7	3460.7	*3460.7*	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7	3460.7
2.5°	3475.4	3470.5	*3470.5*	3480.3	3504.9	3514.7	3529.4	3524.5	3539.2	3529.4
5°	3544.1	3549.0	*3563.7*	3568.6	3583.3	3602.9	3607.8	3602.9	3612.7	3612.7
7.5°	3681.3	3700.9	*3691.1*	3715.6	3696.0	3671.5	3632.3	3602.9	3578.4	3588.2
10°	3911.7	3901.9	*3897.0*	3852.9	3764.7	3637.2	3534.3	3421.5	3401.9	3382.3
12.5°	4166.6	4156.8	*4156.8*	4004.9	3754.9	3490.2	3254.9	3078.4	3019.6	3014.7
15°	4524.5	4460.7	*4401.9*	4083.3	3583.3	3132.3	2857.8	2720.6	2686.2	2686.2
17.5°	4970.5	4803.9	*4705.8*	4024.5	3303.9	2897.0	2735.3	2700.9	2691.1	2715.7
20°	5524.4	5102.9	*4960.7*	3892.1	3200.9	2926.4	2848.0	2852.9	2857.8	2892.1
22.5°	6132.3	5377.4	*5142.1*	3892.1	3303.9	3112.7	3073.5	3127.4	3142.1	3171.5
25°	6808.7	5622.5	*5303.9*	4098.0	3607.8	3465.6	3416.6	3470.5	3509.8	3558.8
27.5°	7568.5	5877.4	*5583.3*	4470.5	4000.0	3911.7	3857.8	3882.3	3936.2	3995.0
30°	8249.9	6303.8	*6009.7*	5039.2	4534.3	4426.4	4333.3	4372.5	4431.3	4470.5
32.5°	8852.8	6823.4	*6573.4*	5637.2	5147.0	4960.7	4857.8	4848.0	4965.6	4936.2
35°	9406.7	7436.2	*7196.0*	6318.5	5769.5	5539.1	5401.9	5578.4	5499.9	5529.3
37.5°	9843.0	8073.4	*7882.3*	6970.5	6416.6	6102.9	6019.5	6235.2	6357.8	6392.1
40°	10200.9	8627.3	*8426.4*	7617.6	7009.7	6779.3	6911.7	7269.5	7254.8	7240.1
42.5°	10475.4	9102.8	*8882.2*	8107.7	7578.3	7622.5	7725.4	7965.6	8024.4	7941.1
45°	10597.9	9401.8	*9225.4*	8495.0	8225.4	8480.3	8524.4	8627.3	8588.1	8534.2
47.5°	10740.1	9666.5	*9480.3*	8847.9	8926.4	9176.4	9088.1	9004.8	8862.6	8779.3
50°	10980.3	9980.3	*9823.4*	9362.6	9646.9	9563.6	9220.5	9034.2	8745.0	8647.0
52.5°	11436.1	10573.4	*10455.8*	10176.3	9985.2	9504.8	9088.1	8754.8	8431.3	8298.9
55°	11843.0	11377.3	*11308.7*	10936.1	9882.2	9196.0	8637.1	8122.4	7568.5	7455.8
57.5°	12078.3	12710.6	*12789.1*	11259.7	9411.6	8495.0	7671.5	6848.0	6323.5	6230.3
60°	*11377.3*	*14151.8*	*14191.0*	*11195.9*	*8563.6*	*7230.3*	*5975.4*	*5392.1*	*4828.4*	*4666.6*
62.5°	10411.6	13852.8	*13818.5*	10813.6	6818.5	5274.4	4539.2	4264.7	3828.4	3696.0
65°	8950.9	11539.1	*11578.3*	9343.0	4534.3	3813.7	3813.7	3465.6	2980.4	2887.2
67.5°	7294.0	8896.9	*8808.7*	6058.7	2784.3	3053.9	3200.9	2700.9	2019.6	1906.8
70°	4740.1	6794.0	*6671.5*	3495.1	1750.0	2544.1	2519.6	2029.4	1446.1	1367.6
72.5°	2039.2	3926.4	*4176.4*	1784.3	1318.6	2049.0	2009.8	1421.6	965.7	931.4
75°	1230.4	1975.5	*2151.9*	1137.2	960.8	1544.1	1392.1	901.9	656.9	632.3
77.5°	779.4	1083.3	*1073.5*	852.9	720.6	1044.1	936.3	622.5	446.1	426.5
80°	451.0	534.3	*553.9*	534.3	485.3	745.1	598.0	451.0	348.0	323.5
82.5°	289.2	333.3	*338.2*	259.8	269.6	480.4	323.5	264.7	201.0	181.4
85°	127.4	142.2	*137.3*	88.2	88.2	196.1	112.7	107.8	78.4	78.4
87.5°	4.9	9.8	*4.9*	4.9	4.9	19.6	9.8	14.7	14.7	14.7
90°	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

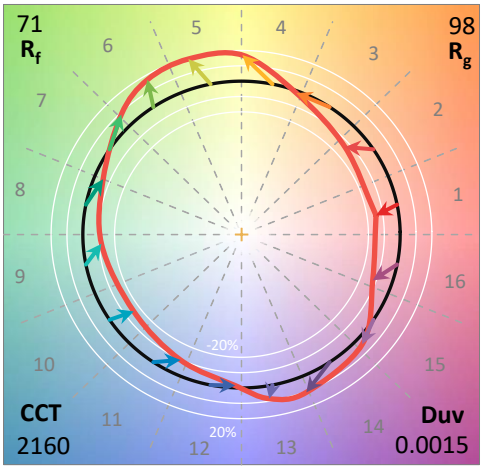
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

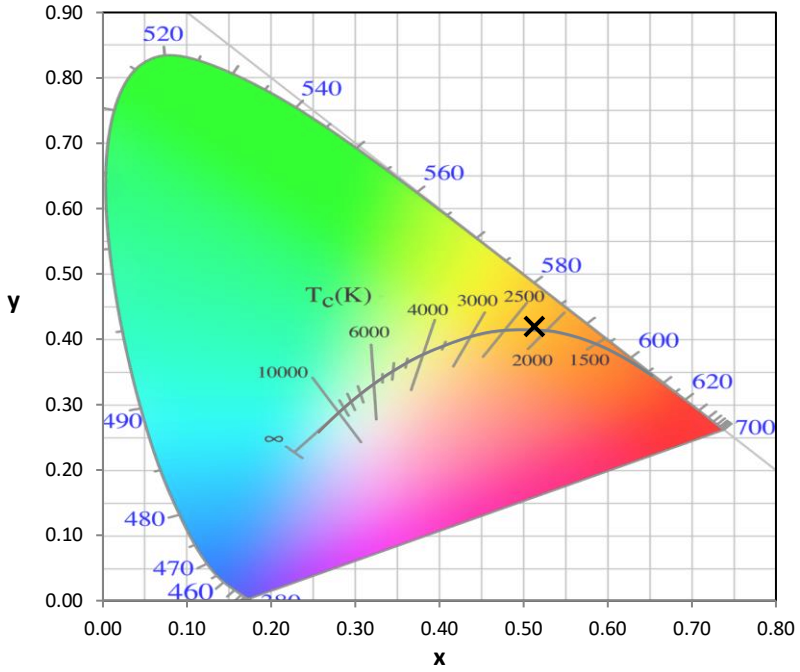
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

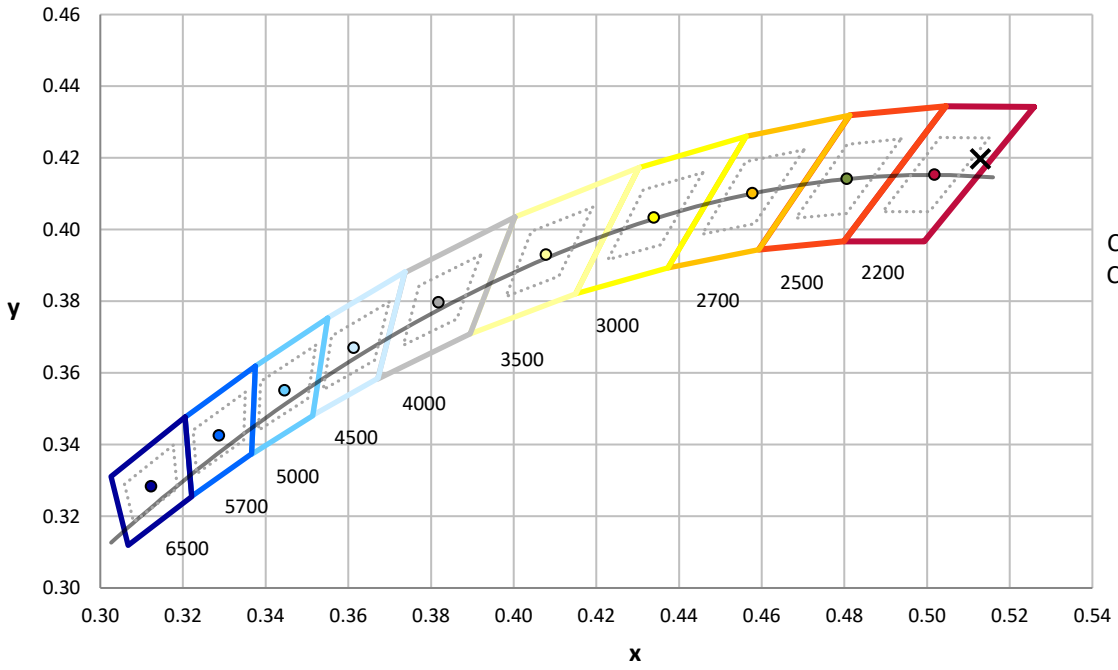
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

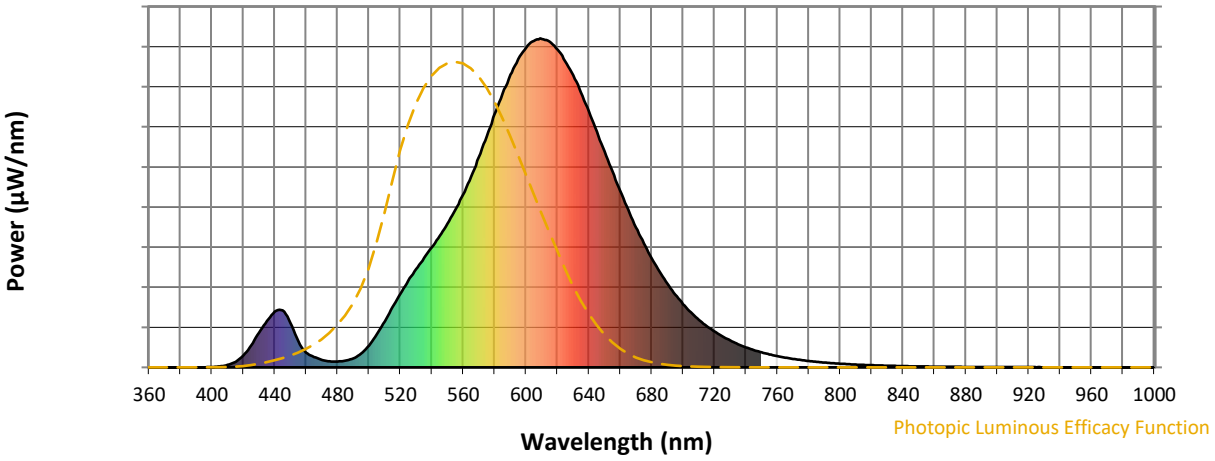


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

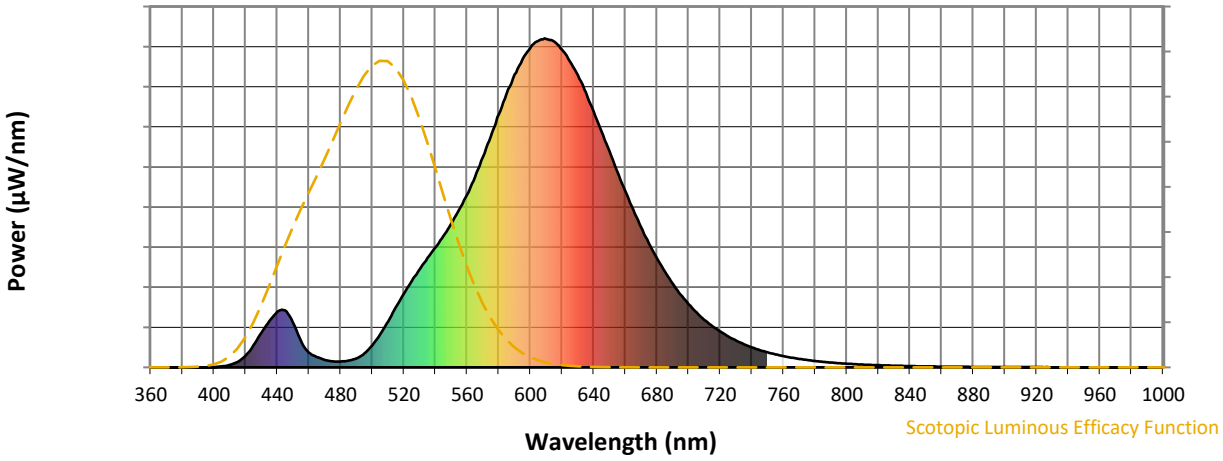


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

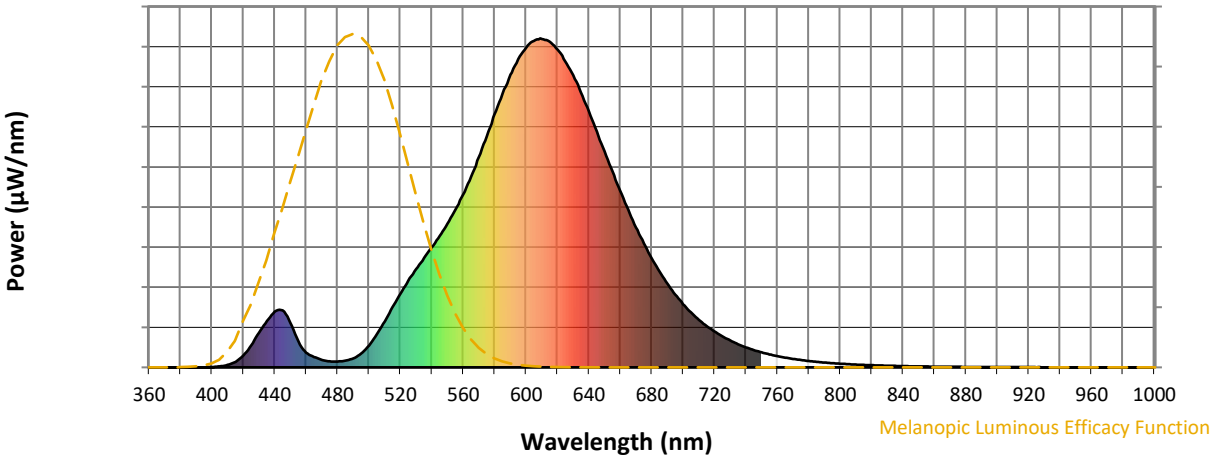


Scotopic Lumens: NR **S/P: 0.8**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

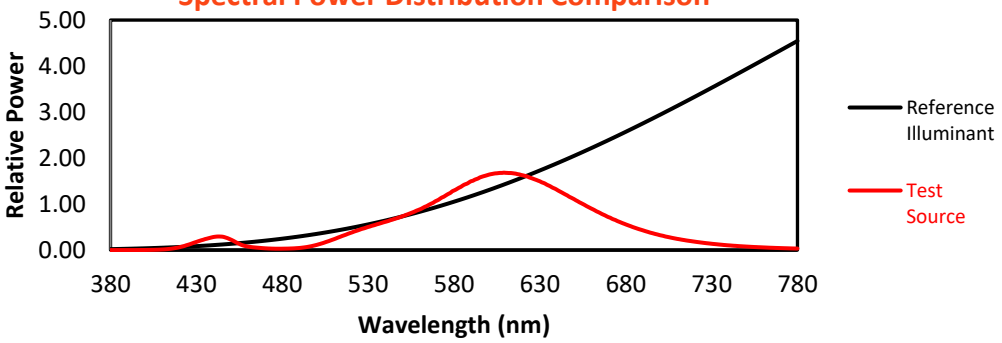
REPORT NUMBER: SP1-2407-184-2

TM-30-18

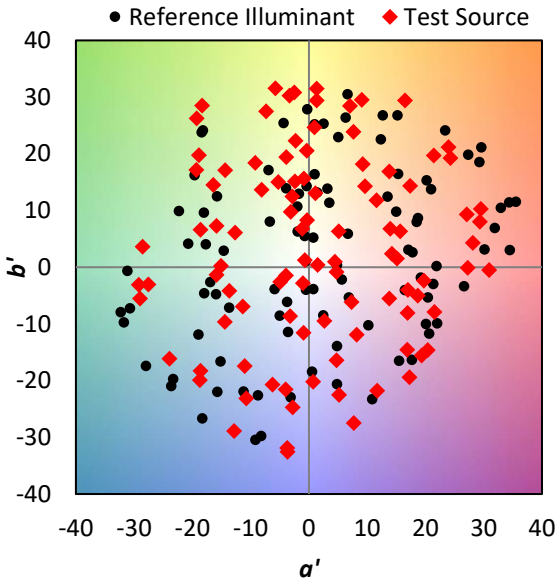
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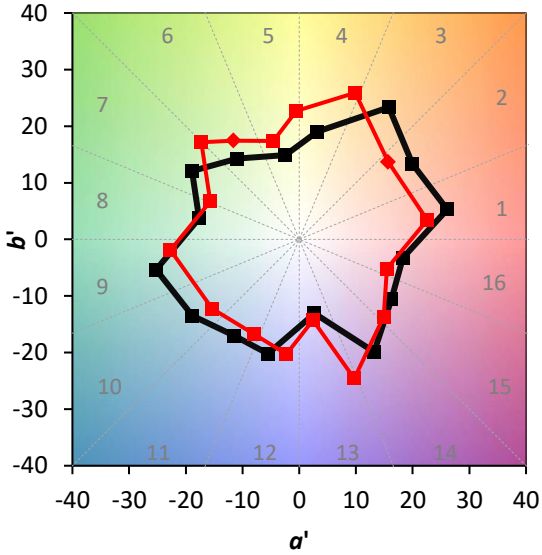
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

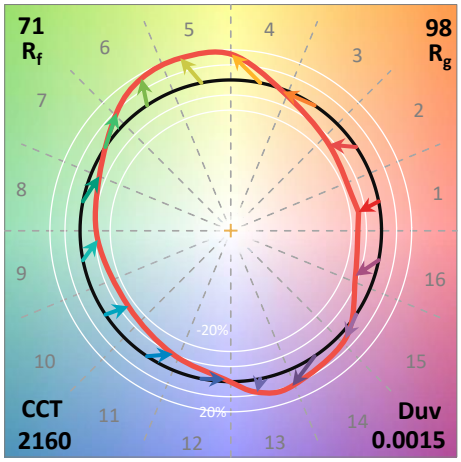
Spectral Power Distribution Comparison

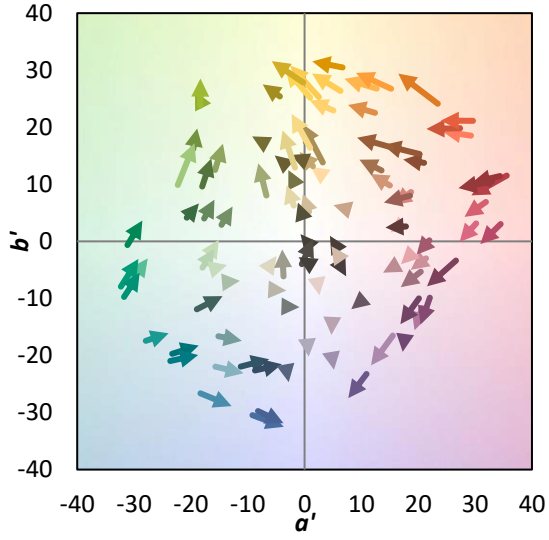


Color Vector Graphics







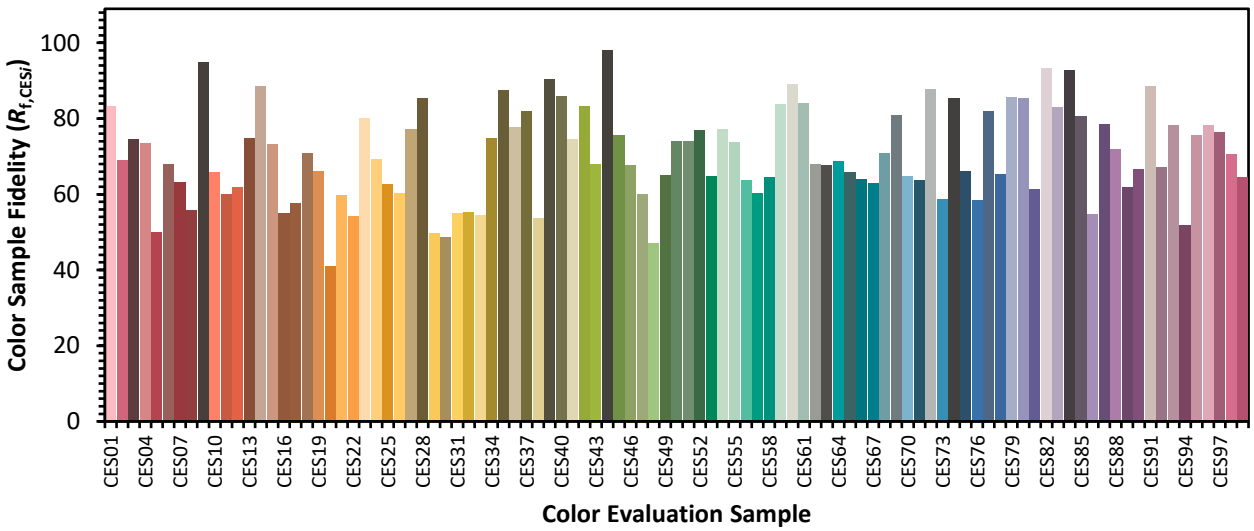


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Individual Sample Fidelity Index ($R_{f,i}$)

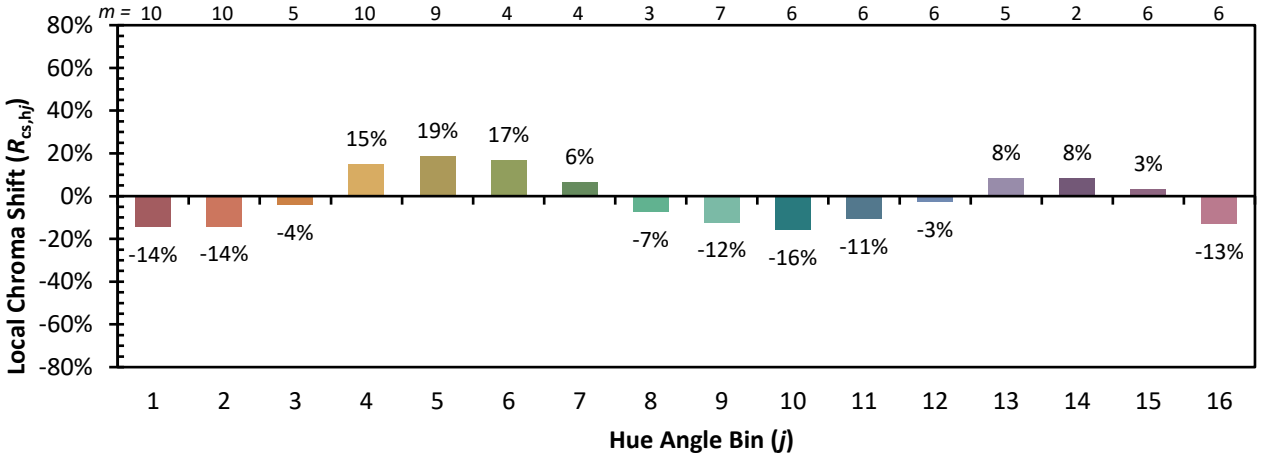
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

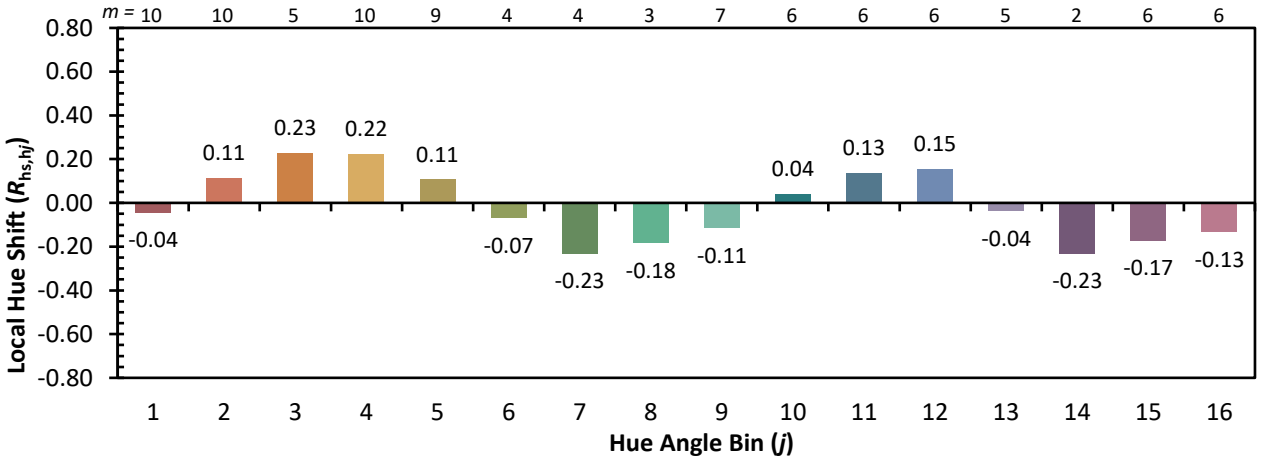


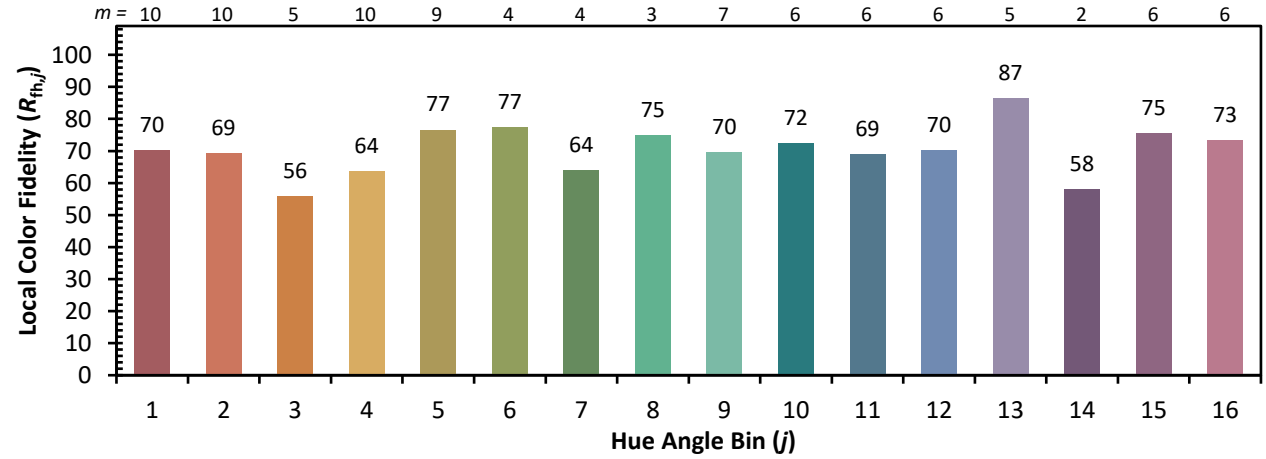
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Color Rendition by Hue-Angle Bin



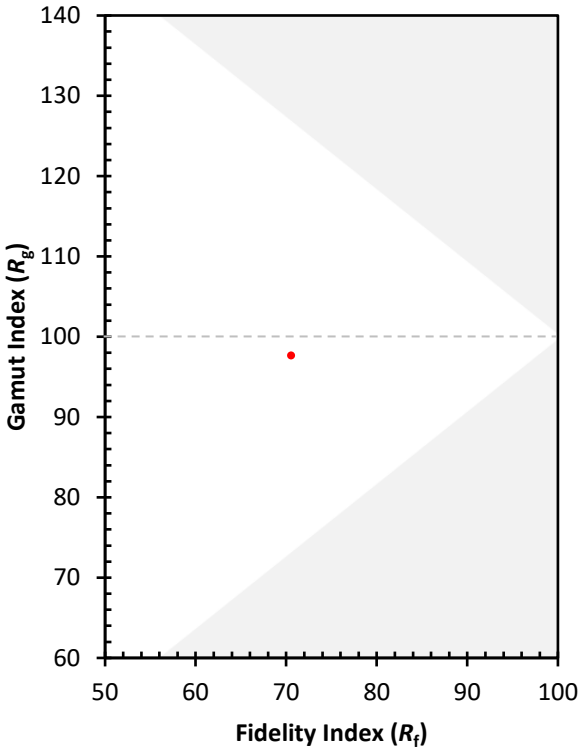


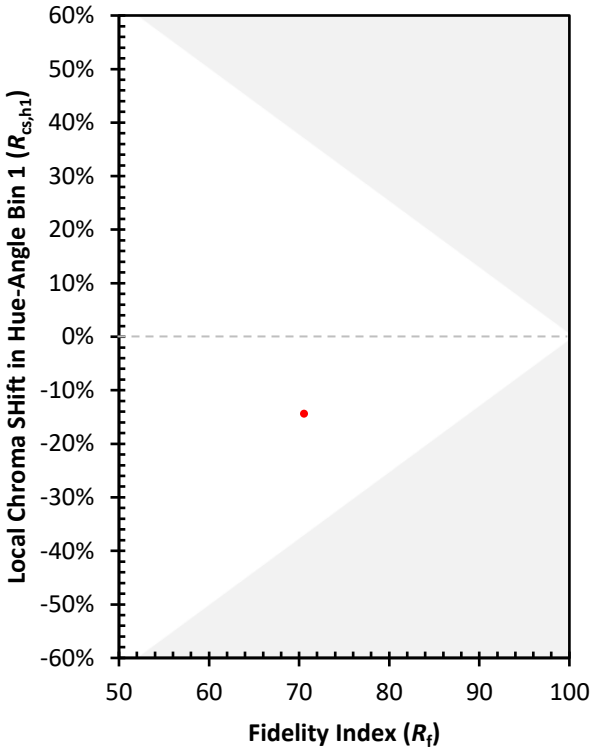


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Measure Comparisons





(END OF REPORT)