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: P1501749

Luminaire Tested: GSS-SB5A-722-U-T2LG-HSS

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:	P1501749
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-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14581.2 lumens
Efficiency:	N/A
Efficacy:	102.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

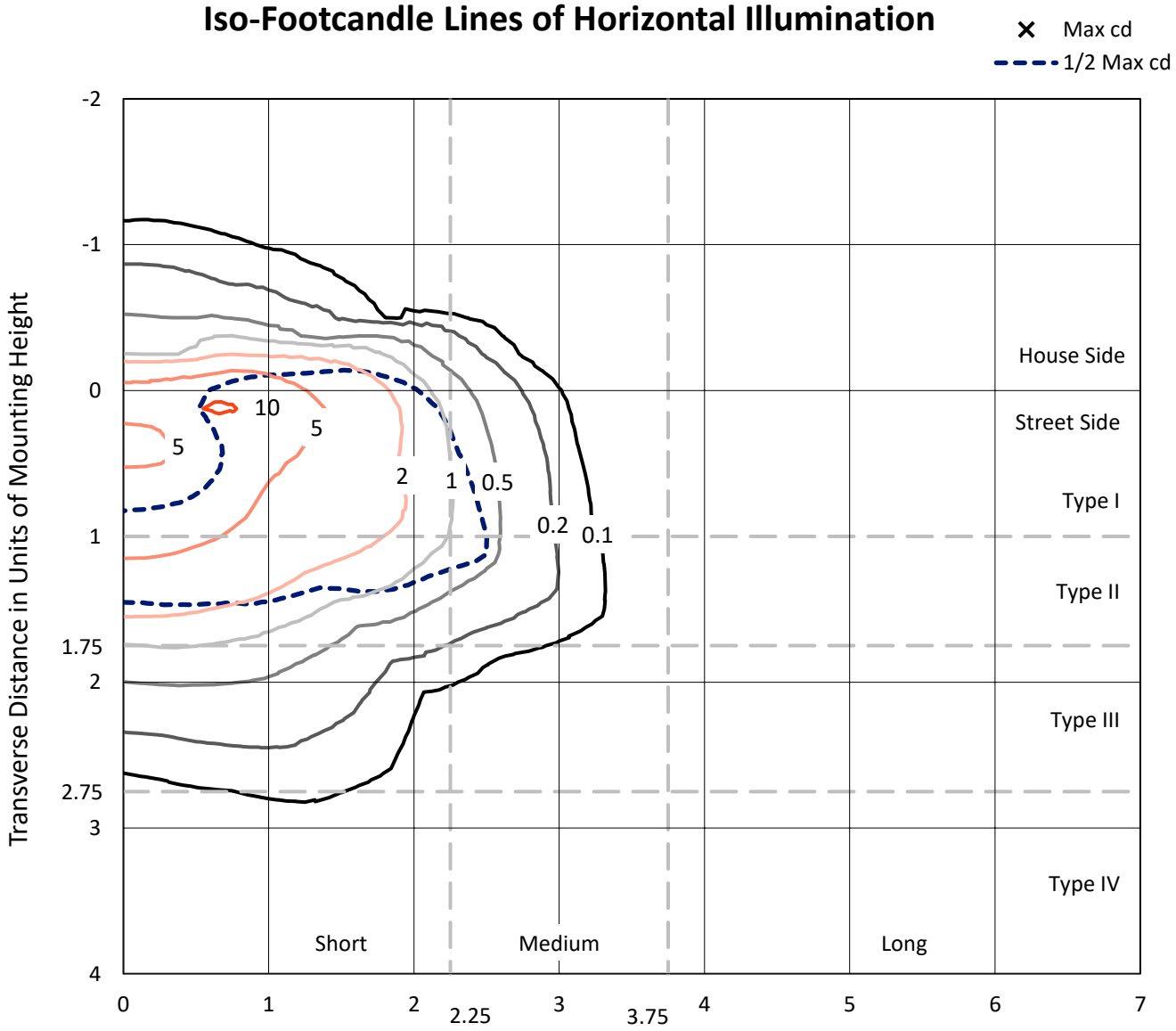
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



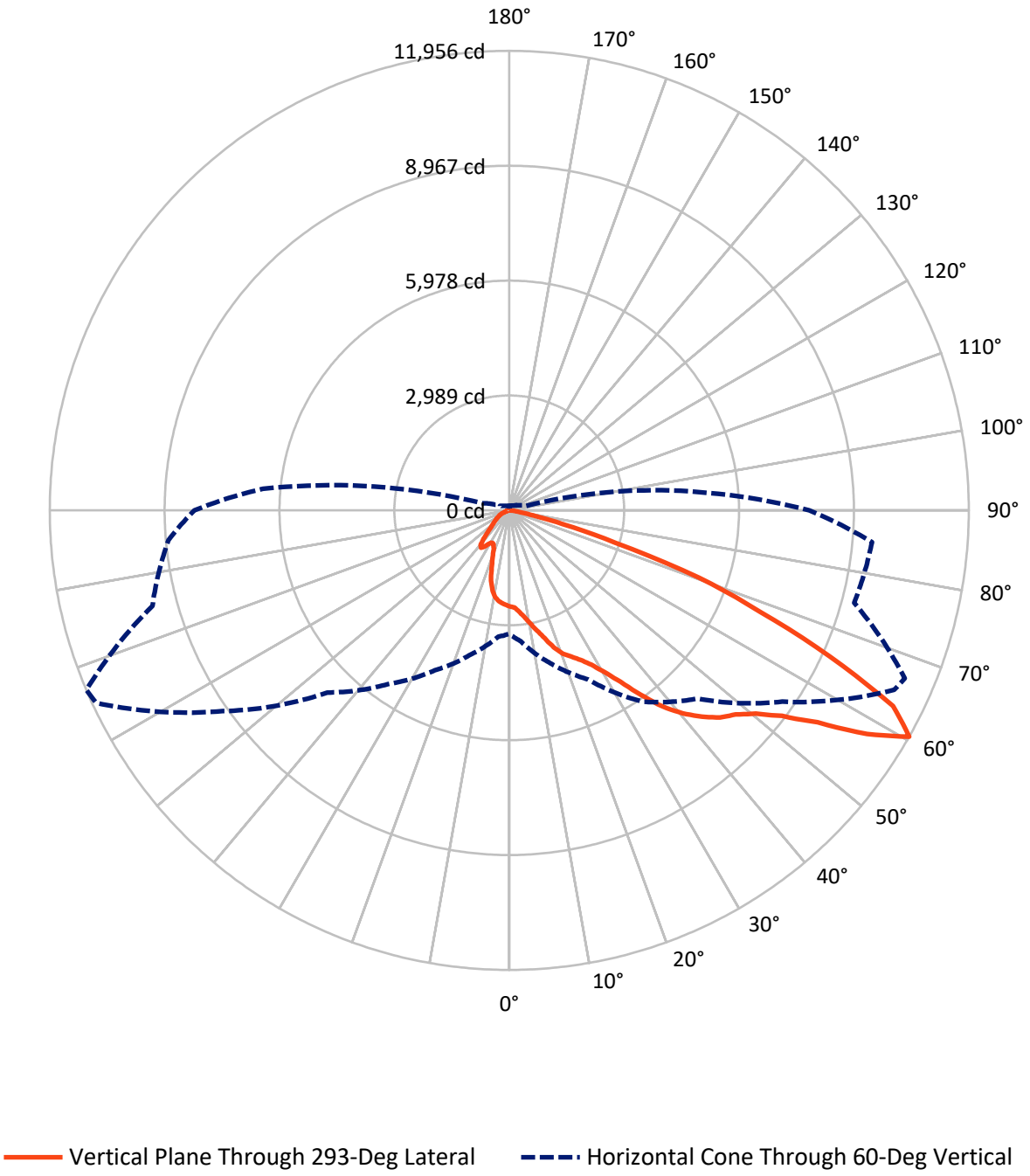
Based on 20 foot mounting height. Maximum calculated value = 10.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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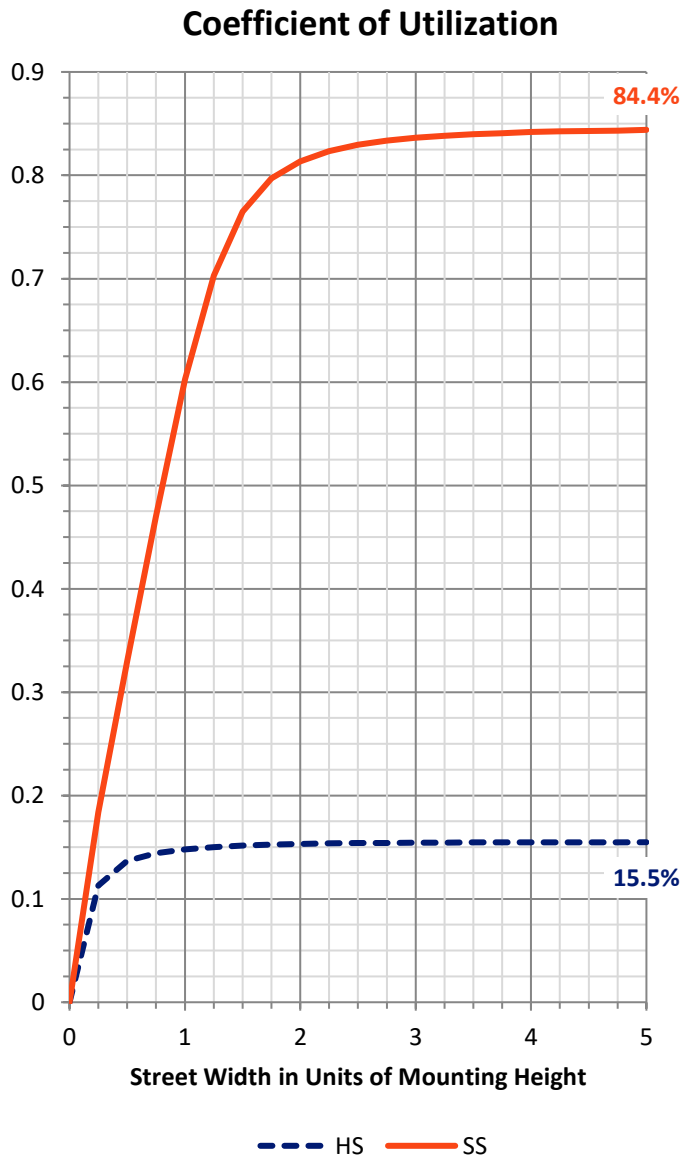
REPORT NUMBER: P1501749
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2275.0	0.0	2275.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	12306.1	0.0	12306.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	14581.2	0.0	14581.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	1.6
10°-20°	569.9	3.9
20°-30°	1063.9	7.3
30°-40°	2109.8	14.5
40°-50°	3363.9	23.1
50°-60°	4019.0	27.6
60°-70°	2634.7	18.1
70°-80°	552.0	3.8
80°-90°	41.8	0.3
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°	14581.2	100.0
0°-180°	14581.2	100.0



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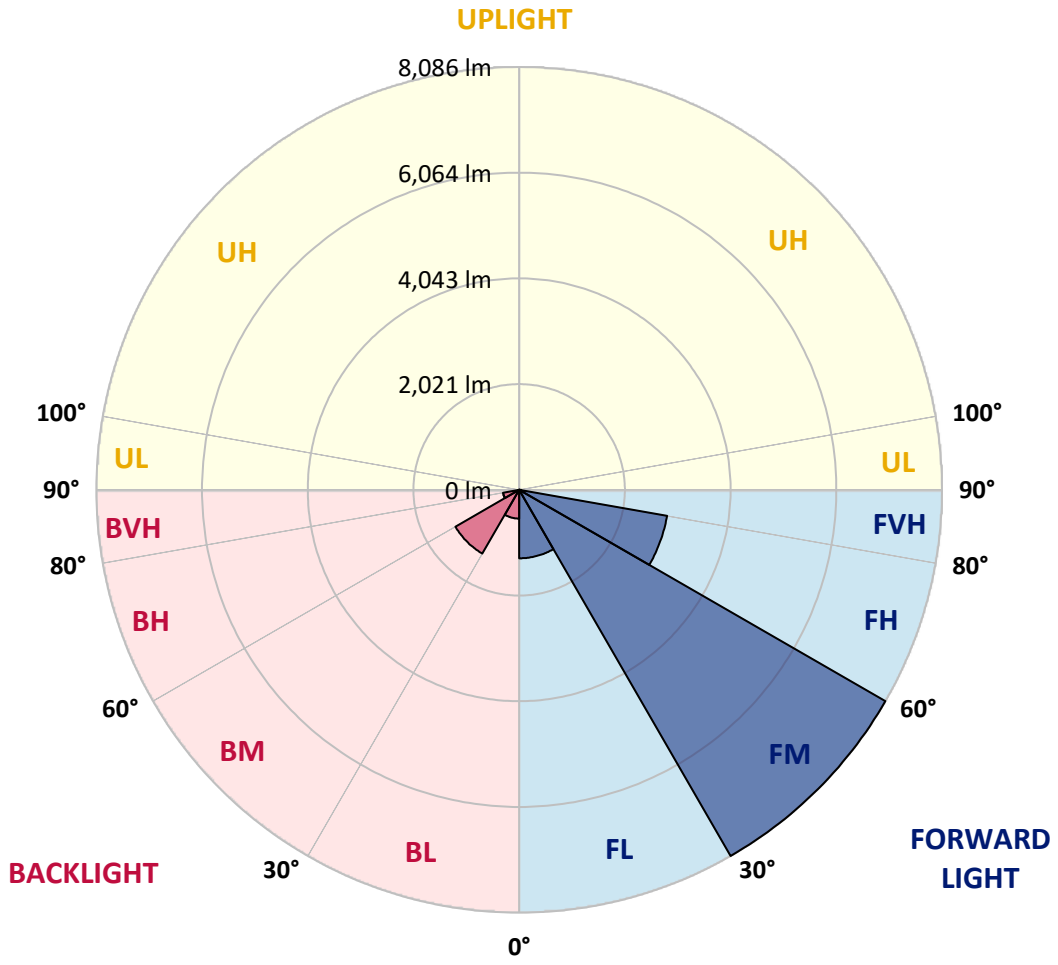
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1309.7	9.0			
FM	(30°-60°)	8085.8	55.5			
FH	(60°-80°)	2872.4	19.7			G2/5000
FVH	(80°-90°)	38.3	0.3			G1/100
BL	(0°-30°)	550.4	3.8	B2/1000		
BM	(30°-60°)	1406.9	9.6	B2/2500		
BH	(60°-80°)	314.3	2.2	B1/500		G1/500
BVH	(80°-90°)	3.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1
2.5°	2625.6	2617.5	2605.2	2609.3	2605.2	2588.9	2564.4	2544.0	2560.3	2535.8	2519.5
5°	2703.2	2703.2	2695.1	2695.1	2699.1	2691.0	2674.6	2646.1	2650.1	2629.7	2576.6
7.5°	2703.2	2691.0	2711.4	2731.8	2768.6	2789.0	2797.2	2780.8	2789.0	2748.1	2678.7
10°	2544.0	2535.8	2588.9	2666.5	2772.6	2866.6	2927.8	2931.9	2944.2	2903.3	2821.7
12.5°	2205.1	2188.7	2294.9	2441.9	2658.3	2874.7	3046.2	3111.6	3140.2	3123.8	3009.5
15°	1890.6	1911.0	1984.5	2143.8	2433.7	2764.5	3111.6	3328.0	3368.8	3389.2	3254.5
17.5°	1858.0	1862.0	1886.5	1964.1	2184.6	2584.8	3119.7	3552.6	3609.8	3699.6	3515.8
20°	1947.8	1939.6	1964.1	1988.6	2094.8	2425.6	3042.2	3769.0	3879.3	4071.2	3871.1
22.5°	2115.2	2115.2	2127.5	2143.8	2196.9	2413.3	3009.5	3969.1	4156.9	4548.9	4316.2
25°	2397.0	2364.3	2372.5	2352.1	2397.0	2560.3	3083.0	4128.3	4385.6	5079.8	4847.0
27.5°	2833.9	2846.2	2772.6	2662.4	2686.9	2825.7	3262.7	4308.0	4622.4	5631.1	5386.0
30°	3438.2	3417.8	3372.9	3156.5	3058.5	3181.0	3593.4	4602.0	4941.0	6329.3	6104.7
32.5°	3911.9	3969.1	3891.5	3740.4	3589.3	3626.1	4058.9	5075.7	5328.9	6970.4	6847.9
35°	4483.6	4483.6	4499.9	4287.6	4185.5	4177.4	4642.9	5590.2	5843.4	7550.3	7636.0
37.5°	5255.4	5202.3	5112.5	4875.6	4798.0	4900.1	5190.0	6121.1	6394.7	8019.9	8248.5
40°	5904.6	5941.4	5929.1	5586.1	5435.0	5545.3	5802.6	6574.3	6786.7	8322.0	8742.6
42.5°	6541.7	6562.1	6509.0	6345.7	6125.1	6133.3	6345.7	6917.3	7133.8	8612.0	9208.1
45°	7019.4	7015.3	6978.6	6937.8	6807.1	6672.3	6709.1	7297.1	7484.9	8705.9	9461.3
47.5°	7170.5	7203.2	7235.8	7350.2	7440.0	7227.7	7039.8	7501.3	7672.8	8689.5	9555.2
50°	7031.7	7101.1	7260.3	7431.8	7738.1	7721.8	7317.5	7721.8	7889.2	8779.4	9665.5
52.5°	6721.3	6790.7	7003.1	7313.4	7774.9	8003.5	7832.0	8093.4	8289.4	9008.0	9894.2
55°	5998.6	6027.1	6464.1	6872.4	7591.1	7881.0	8383.3	8722.2	8885.5	9285.7	10196.3
57.5°	4883.8	4953.2	5382.0	6047.6	7076.6	7558.4	8697.7	9796.2	9792.1	9551.1	10261.7
60°	*3213.7*	*3417.8*	*4116.1*	*4851.1*	*6080.2*	*6925.5*	*8677.3*	*11053.8*	*11180.4*	*9289.8*	*9473.6*
62.5°	2454.1	2539.9	2936.0	3548.5	4499.9	5741.3	8542.5	11429.5	11527.5	8587.5	8293.4
65°	1845.7	1951.9	2331.6	2878.8	3176.9	3891.5	7660.5	9935.0	10069.7	7664.6	6447.7
67.5°	1131.1	1216.9	1723.2	2364.3	2405.1	2417.4	5169.6	7525.8	7574.8	6182.3	4340.7
70°	755.4	841.2	1192.4	1817.1	1915.1	1392.5	2838.0	5696.4	5692.3	4230.4	2637.9
72.5°	436.9	477.8	755.4	1339.4	1506.8	886.1	1417.0	3622.0	3462.7	1988.6	1233.2
75°	249.1	277.7	416.5	861.6	1057.6	563.5	559.4	1939.6	1715.0	1024.9	673.8
77.5°	151.1	163.3	228.7	563.5	637.0	379.8	310.3	902.4	869.8	600.3	355.3
80°	73.5	85.8	138.8	330.8	408.3	204.2	187.8	355.3	379.8	330.8	187.8
82.5°	24.5	32.7	77.6	126.6	265.4	81.7	77.6	196.0	208.3	196.0	89.8
85°	12.3	16.3	36.8	40.8	102.1	40.8	28.6	85.8	106.2	65.3	36.8
87.5°	0.0	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2	8.2
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°	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1
2.5°	2507.2	2499.1	2482.7	2454.1	2450.1	2429.6	2397.0	2376.6	2360.2	2372.5	2376.6
5°	2552.1	2531.7	2482.7	2405.1	2323.5	2241.8	2164.2	2074.4	2013.1	2005.0	1988.6
7.5°	2633.8	2593.0	2486.8	2335.7	2127.5	1931.5	1702.8	1482.3	1372.0	1355.7	1318.9
10°	2764.5	2695.1	2519.5	2213.2	1813.0	1404.7	1057.6	820.8	686.0	661.5	669.7
12.5°	2919.7	2821.7	2523.6	2005.0	1380.2	869.8	600.3	510.4	481.8	469.6	469.6
15°	3119.7	2976.8	2519.5	1735.5	931.0	559.4	481.8	445.1	432.8	424.7	424.7
17.5°	3372.9	3185.1	2490.9	1331.2	628.8	485.9	441.0	412.4	396.1	392.0	392.0
20°	3671.0	3417.8	2425.6	992.3	526.8	453.3	416.5	379.8	367.5	359.3	359.3
22.5°	4050.8	3699.6	2299.0	771.8	498.2	432.8	392.0	351.2	338.9	330.8	330.8
25°	4491.8	4058.9	2131.6	694.2	494.1	416.5	367.5	326.7	314.4	310.3	306.3
27.5°	5014.5	4442.8	1976.4	698.3	502.3	404.3	343.0	306.3	294.0	281.8	285.8
30°	5631.1	4838.9	1849.8	747.3	510.4	392.0	326.7	294.0	281.8	265.4	265.4
32.5°	6239.5	5304.4	1837.5	837.1	539.0	383.8	310.3	277.7	265.4	253.2	253.2
35°	6864.2	5729.1	1907.0	955.5	596.2	371.6	289.9	261.3	249.1	240.9	236.8
37.5°	7460.4	6068.0	1972.3	1029.0	563.5	318.5	265.4	240.9	228.7	212.3	212.3
40°	7856.5	6251.7	1984.5	971.9	465.5	285.8	240.9	216.4	200.1	191.9	187.8
42.5°	8146.4	6370.2	1845.7	788.1	404.3	261.3	220.5	196.0	183.8	175.6	175.6
45°	8264.9	6329.3	1608.9	600.3	371.6	240.9	200.1	179.7	171.5	163.3	163.3
47.5°	8248.5	6141.5	1367.9	481.8	338.9	220.5	187.8	171.5	163.3	155.2	151.1
50°	8219.9	5965.9	1122.9	428.8	302.2	208.3	175.6	163.3	151.1	142.9	138.8
52.5°	8407.8	5908.7	931.0	392.0	281.8	200.1	171.5	155.2	142.9	134.8	134.8
55°	8595.6	5933.2	730.9	367.5	261.3	196.0	167.4	151.1	138.8	126.6	126.6
57.5°	8583.4	5827.1	555.3	343.0	245.0	191.9	163.3	147.0	126.6	118.4	118.4
60°	*7803.4*	*5198.2*	*432.8*	*314.4*	*224.6*	*179.7*	*151.1*	*138.8*	*118.4*	*106.2*	*106.2*
62.5°	6598.8	4087.5	355.3	277.7	200.1	163.3	138.8	126.6	106.2	85.8	85.8
65°	4875.6	2948.2	285.8	240.9	183.8	142.9	126.6	110.3	85.8	69.4	65.3
67.5°	3299.4	1813.0	228.7	200.1	163.3	122.5	106.2	93.9	77.6	57.2	53.1
70°	1956.0	963.7	167.4	138.8	122.5	89.8	89.8	81.7	65.3	49.0	44.9
72.5°	931.0	334.8	122.5	102.1	93.9	65.3	69.4	69.4	53.1	36.8	32.7
75°	473.7	163.3	81.7	73.5	61.3	49.0	57.2	53.1	36.8	24.5	24.5
77.5°	269.5	114.3	57.2	49.0	40.8	32.7	36.8	32.7	20.4	12.3	12.3
80°	151.1	81.7	36.8	32.7	24.5	20.4	20.4	16.3	12.3	4.1	4.1
82.5°	57.2	49.0	24.5	16.3	12.3	12.3	8.2	8.2	4.1	0.0	0.0
85°	24.5	12.3	12.3	8.2	8.2	4.1	4.1	4.1	0.0	0.0	0.0
87.5°	4.1	4.1	4.1	4.1	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1
2.5°	2343.9	2352.1	2360.2	2392.9	2401.1	2425.6	2446.0	2470.5	2474.6	2507.2	2507.2
5°	2021.3	2017.2	2086.6	2188.7	2254.1	2343.9	2413.3	2486.8	2527.6	2580.7	2605.2
7.5°	1339.4	1441.5	1596.6	1776.3	2009.0	2225.5	2388.8	2531.7	2629.7	2691.0	2715.5
10°	665.6	722.8	886.1	1180.1	1576.2	2017.2	2364.3	2629.7	2789.0	2858.4	2903.3
12.5°	469.6	481.8	510.4	669.7	1049.4	1674.2	2286.7	2735.9	2956.4	3087.1	3144.2
15°	420.6	428.8	441.0	485.9	649.3	1249.5	2147.9	2854.3	3217.7	3368.8	3442.3
17.5°	387.9	392.0	404.3	441.0	510.4	849.4	1923.3	2980.9	3532.2	3715.9	3854.8
20°	359.3	359.3	371.6	416.5	473.7	653.3	1600.7	3123.8	3932.3	4197.8	4336.6
22.5°	326.7	334.8	343.0	392.0	461.4	596.2	1298.5	3234.1	4377.4	4700.0	4863.4
25°	302.2	310.3	318.5	367.5	449.2	596.2	1122.9	3303.5	4875.6	5259.5	5484.0
27.5°	281.8	289.9	302.2	351.2	436.9	620.7	1053.5	3323.9	5418.7	5916.9	6219.1
30°	265.4	273.6	285.8	338.9	445.1	649.3	1078.0	3295.3	5970.0	6594.7	6954.1
32.5°	249.1	257.3	269.5	326.7	445.1	686.0	1159.7	3238.2	6504.9	7272.6	7713.6
35°	236.8	240.9	245.0	294.0	404.3	681.9	1261.8	3181.0	7043.9	7942.3	8456.8
37.5°	212.3	216.4	224.6	253.2	322.6	620.7	1282.2	3111.6	7468.6	8505.8	9073.4
40°	187.8	196.0	204.2	232.8	269.5	502.3	1192.4	2964.6	7693.2	8938.6	9628.7
42.5°	171.5	175.6	183.8	212.3	249.1	400.2	1000.4	2707.3	7893.3	9232.6	10033.0
45°	159.3	163.3	171.5	191.9	232.8	347.1	788.1	2392.9	7909.6	9326.6	10229.0
47.5°	147.0	151.1	155.2	175.6	224.6	310.3	604.3	2107.1	7905.5	9449.1	10396.4
50°	138.8	142.9	151.1	167.4	212.3	277.7	498.2	1874.3	8077.0	9714.5	10735.3
52.5°	134.8	134.8	147.0	163.3	200.1	253.2	416.5	1666.0	8166.9	9975.8	10980.3
55°	126.6	130.7	138.8	155.2	187.8	240.9	355.3	1404.7	8207.7	10106.5	11025.3
57.5°	118.4	122.5	134.8	147.0	179.7	228.7	306.3	1049.4	7623.8	9424.6	10273.9
60°	*106.2*	*114.3*	*130.7*	*142.9*	*167.4*	*208.3*	*269.5*	*710.5*	*6431.4*	*8191.4*	*8901.9*
62.5°	85.8	102.1	118.4	126.6	151.1	175.6	228.7	473.7	5137.0	6778.5	7587.0
65°	65.3	85.8	98.0	110.3	126.6	147.0	191.9	322.6	3426.0	4561.2	5471.8
67.5°	57.2	73.5	81.7	89.8	106.2	126.6	155.2	224.6	2078.5	2740.0	3638.3
70°	44.9	61.3	69.4	65.3	81.7	98.0	110.3	151.1	1061.7	1486.4	2070.3
72.5°	32.7	49.0	53.1	53.1	49.0	69.4	81.7	106.2	461.4	722.8	939.2
75°	24.5	32.7	36.8	32.7	28.6	44.9	57.2	69.4	302.2	432.8	547.2
77.5°	12.3	12.3	20.4	20.4	12.3	24.5	28.6	40.8	171.5	253.2	314.4
80°	4.1	0.0	0.0	4.1	0.0	8.2	12.3	20.4	89.8	134.8	196.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	44.9	40.8	102.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	24.5
87.5°	0.0	0.0	0.0	0.0	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: P1501749
CATALOG NUMBER: GSS-SB5A-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2499.1	*2499.1*	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1	2499.1
2.5°	2527.6	*2527.6*	2544.0	2568.5	2580.7	2588.9	2593.0	2601.1	2633.8	2625.6
5°	2633.8	*2642.0*	2654.2	2678.7	2707.3	2699.1	2699.1	2699.1	2719.6	2703.2
7.5°	2772.6	*2797.2*	2801.2	2829.8	2809.4	2768.6	2744.1	2707.3	2703.2	2703.2
10°	2997.2	*2989.1*	2989.1	2952.3	2878.8	2760.4	2654.2	2580.7	2539.9	2544.0
12.5°	3238.2	*3205.5*	3209.6	3074.8	2866.6	2605.2	2388.8	2229.6	2217.3	2205.1
15°	3536.3	*3450.5*	3434.2	3123.8	2682.8	2282.6	2070.3	1943.7	1902.9	1890.6
17.5°	3960.9	*3744.5*	3666.9	3038.1	2441.9	2082.6	1923.3	1866.1	1862.0	1858.0
20°	4410.1	*3981.3*	3834.3	2911.5	2360.2	2086.6	1968.2	1951.9	1943.7	1947.8
22.5°	4932.8	*4132.4*	3944.6	2931.9	2433.7	2221.4	2127.5	2115.2	2107.1	2115.2
25°	5471.8	*4308.0*	4075.3	3095.2	2654.2	2470.5	2360.2	2335.7	2360.2	2397.0
27.5°	6014.9	*4544.9*	4332.5	3417.8	3009.5	2809.4	2703.2	2793.1	2829.8	2833.9
30°	6496.7	*4875.6*	4679.6	3871.1	3413.7	3213.7	3234.1	3348.4	3393.3	3438.2
32.5°	6937.8	*5316.6*	5165.5	4385.6	3936.4	3818.0	3805.8	3891.5	3940.5	3911.9
35°	7382.8	*5892.4*	5745.4	4945.0	4577.5	4479.5	4377.4	4544.9	4528.5	4483.6
37.5°	7803.4	*6472.2*	6337.5	5545.3	5165.5	4994.0	4977.7	5128.8	5263.5	5255.4
40°	8105.6	*6941.8*	6778.5	6141.5	5782.1	5635.1	5720.9	5982.2	5949.6	5904.6
42.5°	8383.3	*7342.0*	7195.0	6664.2	6288.5	6353.8	6431.4	6607.0	6586.6	6541.7
45°	8514.0	*7685.0*	7558.4	7060.3	6876.5	7084.8	7080.7	7146.0	7035.8	7019.4
47.5°	8697.7	*7930.0*	7799.4	7415.5	7578.8	7664.6	7423.7	7354.3	7252.2	7170.5
50°	9036.6	*8309.8*	8179.1	7954.5	8093.4	7827.9	7533.9	7382.8	7174.6	7031.7
52.5°	9432.7	*8885.5*	8771.2	8681.4	8293.4	7746.3	7370.6	7097.0	6843.8	6721.3
55°	9930.9	*9734.9*	9653.2	9159.1	8113.8	7411.4	6970.4	6460.0	6112.9	5998.6
57.5°	10094.2	*10980.3*	10951.8	9236.7	7611.5	6803.0	6006.7	5316.6	4957.3	4883.8
60°	*9612.4*	*11956.3*	*11854.2*	*9106.1*	*6700.9*	*5520.8*	*4589.8*	*3883.3*	*3299.4*	*3213.7*
62.5°	8995.8	*11209.0*	11172.3	8448.6	5104.3	3956.8	3430.1	2768.6	2519.5	2454.1
65°	7705.4	*9171.4*	9187.7	6778.5	3230.0	2842.1	2817.6	2201.0	1894.7	1845.7
67.5°	5933.2	*7035.8*	6921.4	4263.1	1882.5	2274.5	2250.0	1608.9	1163.8	1131.1
70°	3466.8	*5239.0*	5055.3	2217.3	1245.4	1898.8	1731.4	1131.1	792.2	755.4
72.5°	1531.3	*2882.9*	3095.2	975.9	877.9	1510.9	1249.5	694.2	445.1	436.9
75°	849.4	*1429.2*	1494.5	424.7	616.6	1073.9	755.4	387.9	253.2	249.1
77.5°	510.4	*632.9*	616.6	273.6	461.4	686.0	457.3	220.5	159.3	151.1
80°	285.8	*289.9*	245.0	200.1	273.6	383.8	257.3	138.8	73.5	73.5
82.5°	175.6	*159.3*	126.6	61.3	73.5	232.8	93.9	77.6	24.5	24.5
85°	73.5	*49.0*	32.7	12.3	28.6	61.3	32.7	36.8	12.3	12.3
87.5°	0.0	*0.0*	0.0	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

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

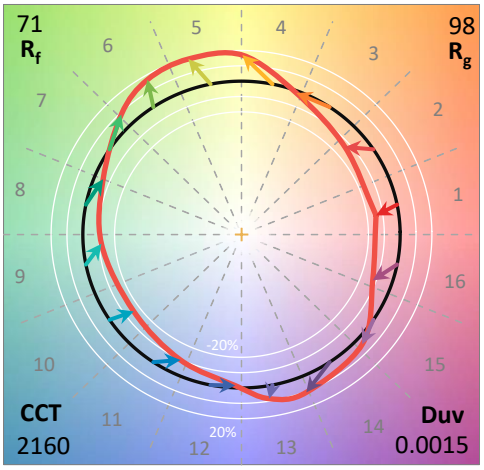
Test Information

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

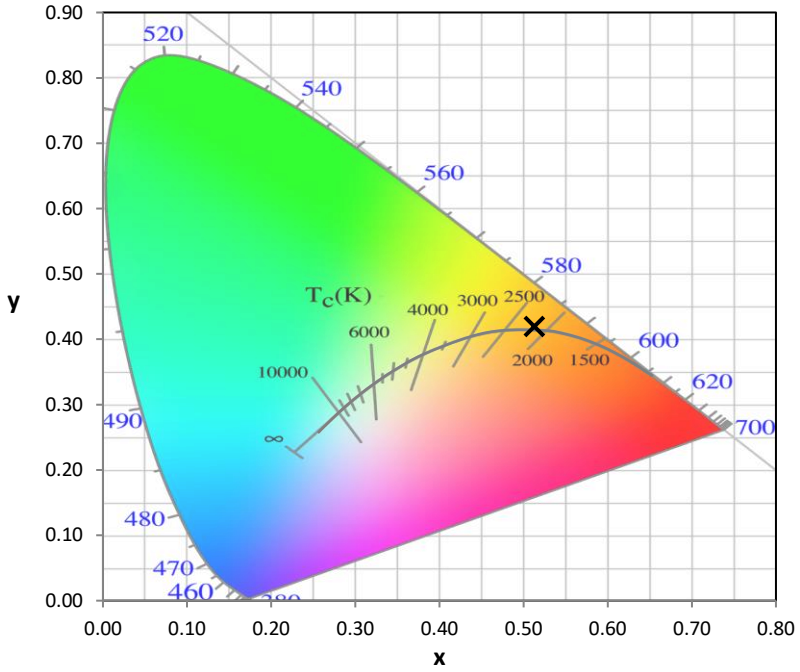
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

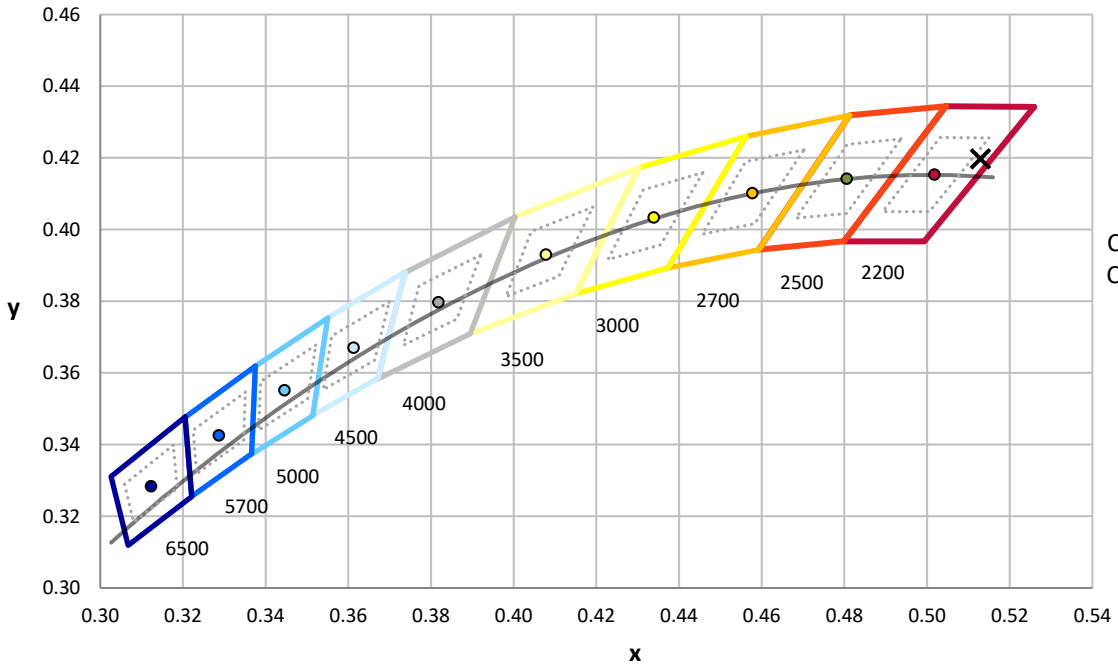
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

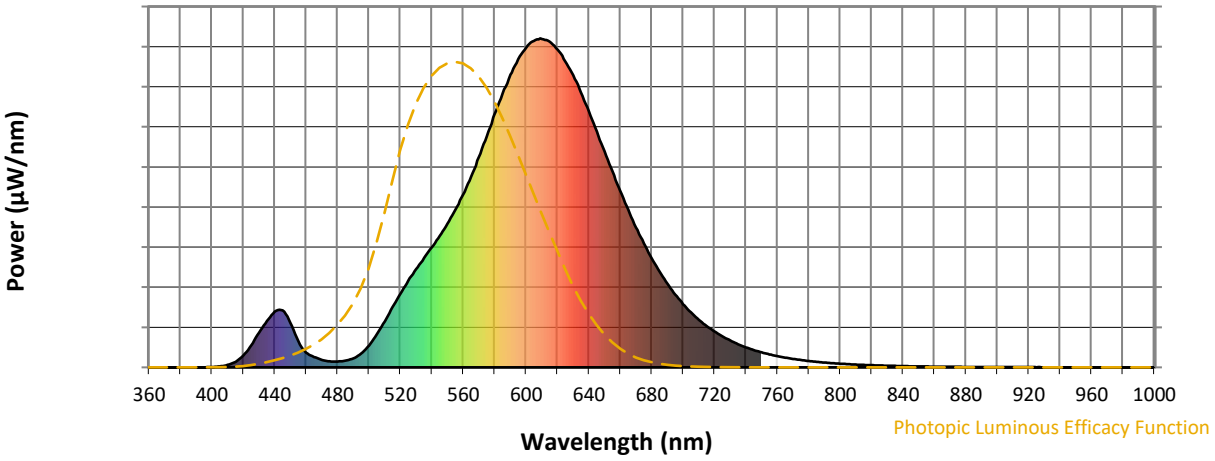


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

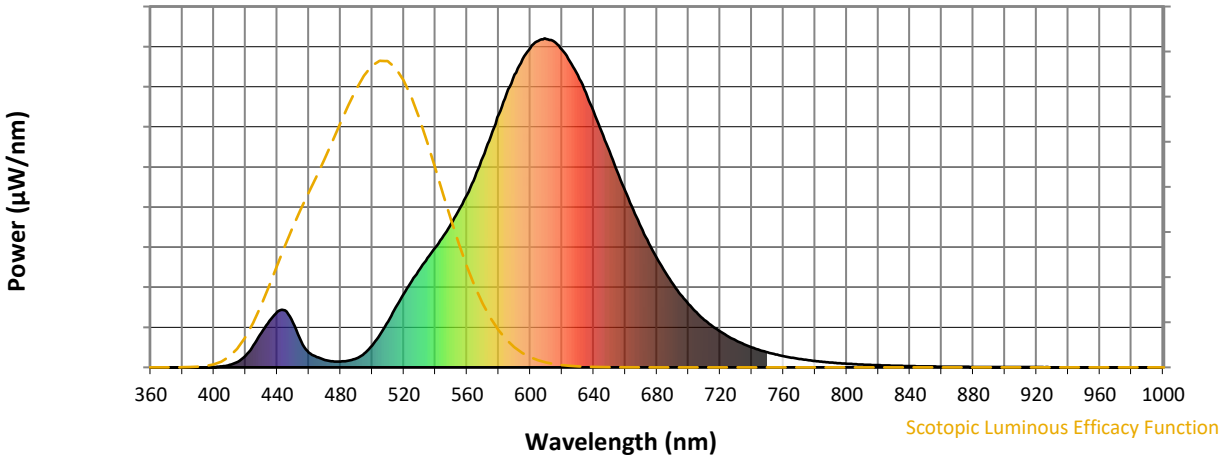


Photopic Lumens: NR

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

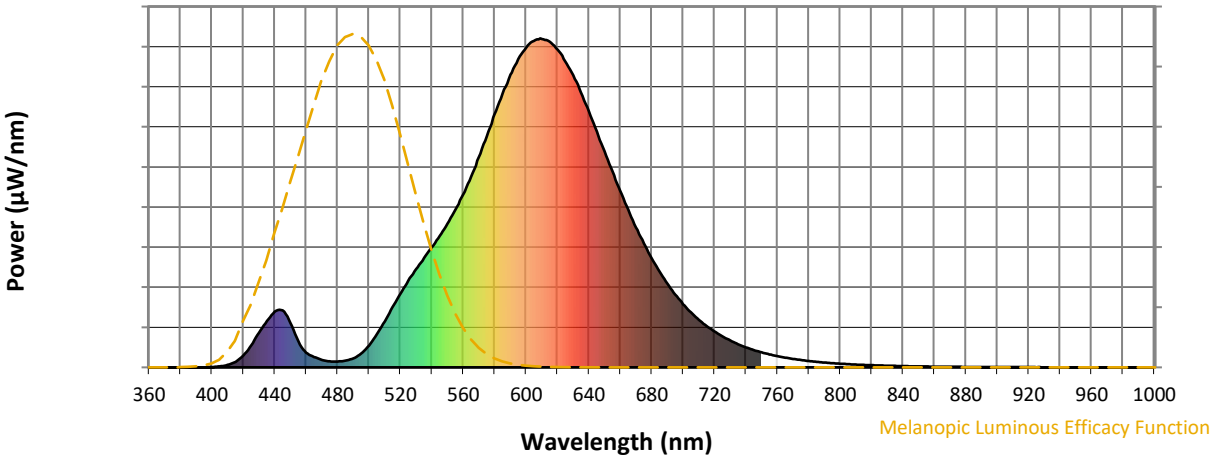


Scotopic Lumens: NR **S/P: 0.8**

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			

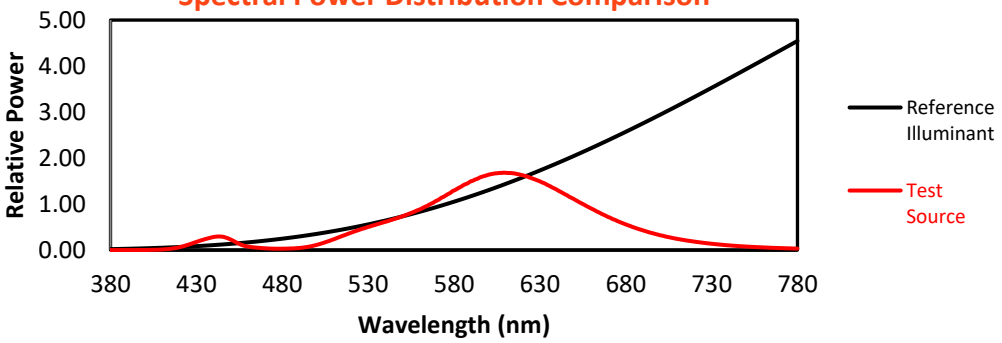
REPORT NUMBER: SP1-2407-184-2

TM-30-18

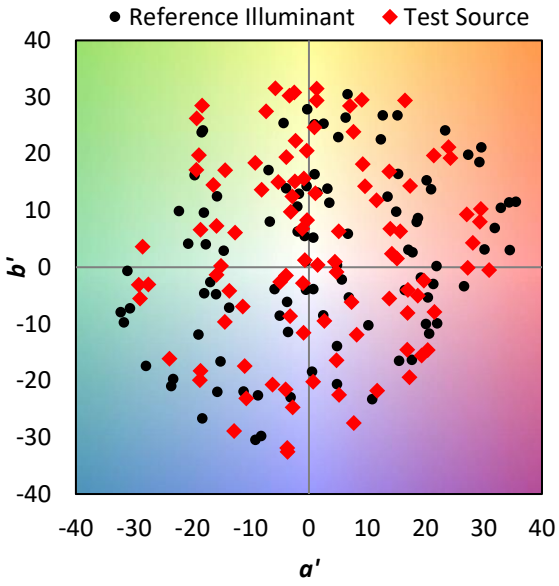
Summary

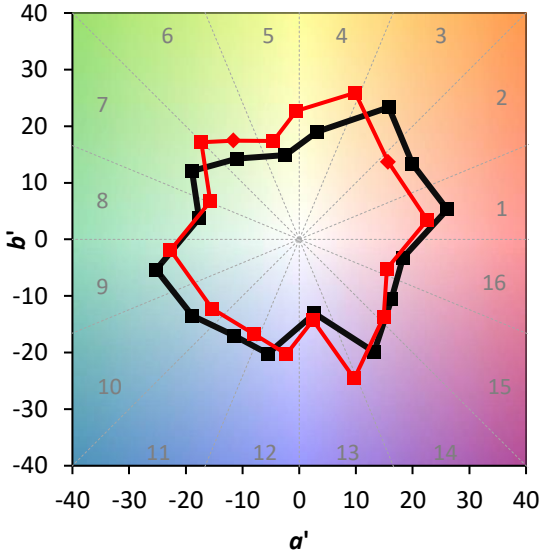
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

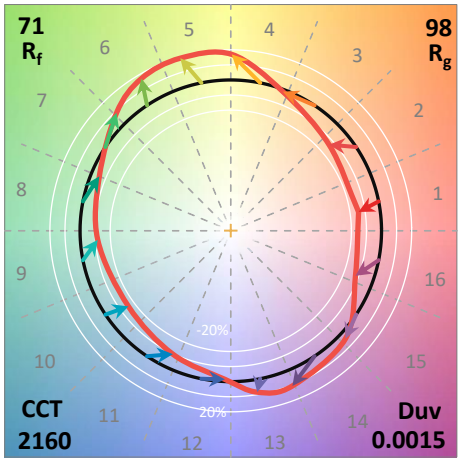
Spectral Power Distribution Comparison

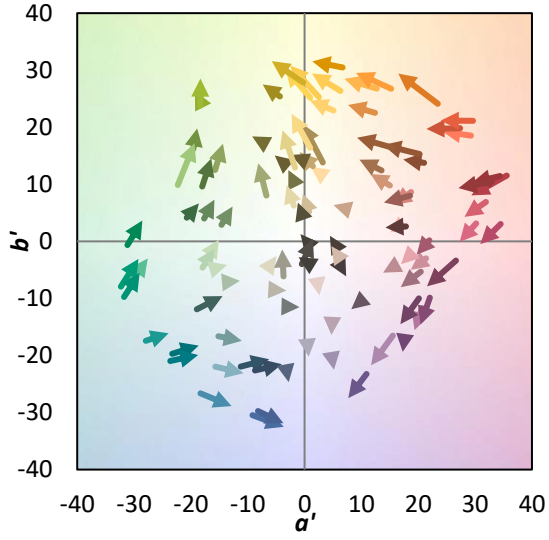


Color Vector Graphics







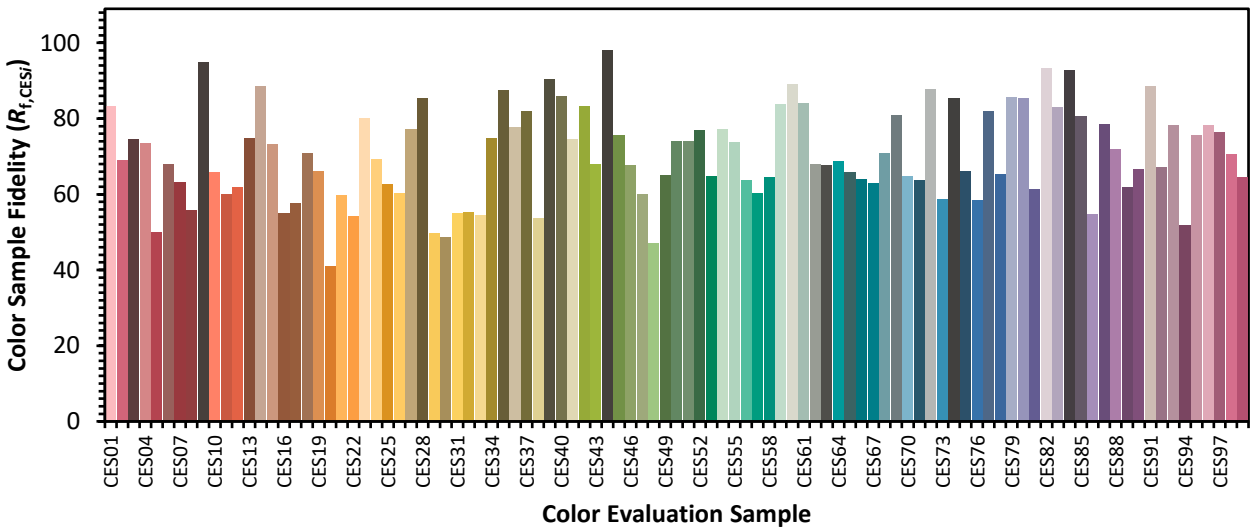


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Individual Sample Fidelity Index ($R_{f,i}$)

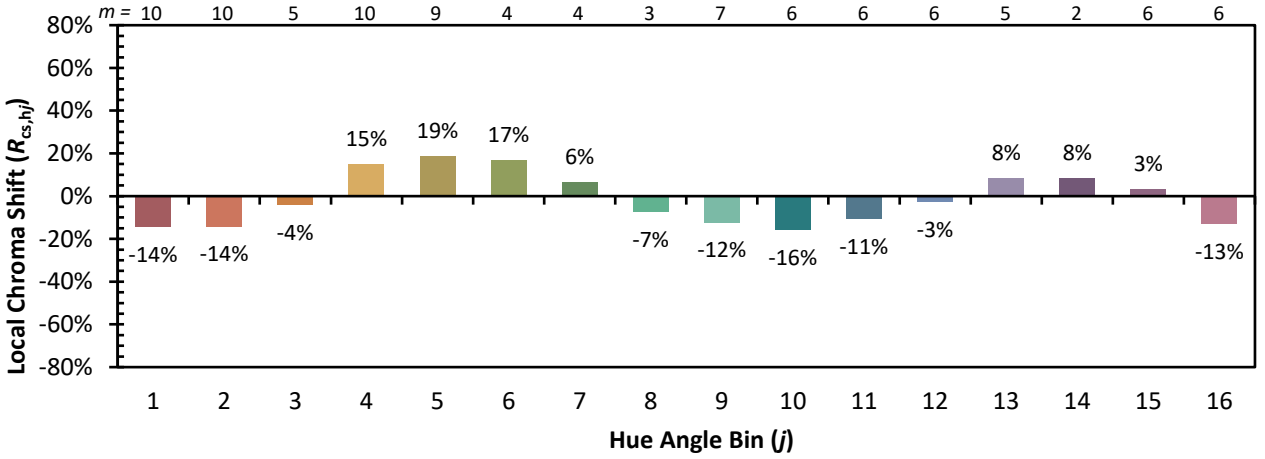
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57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

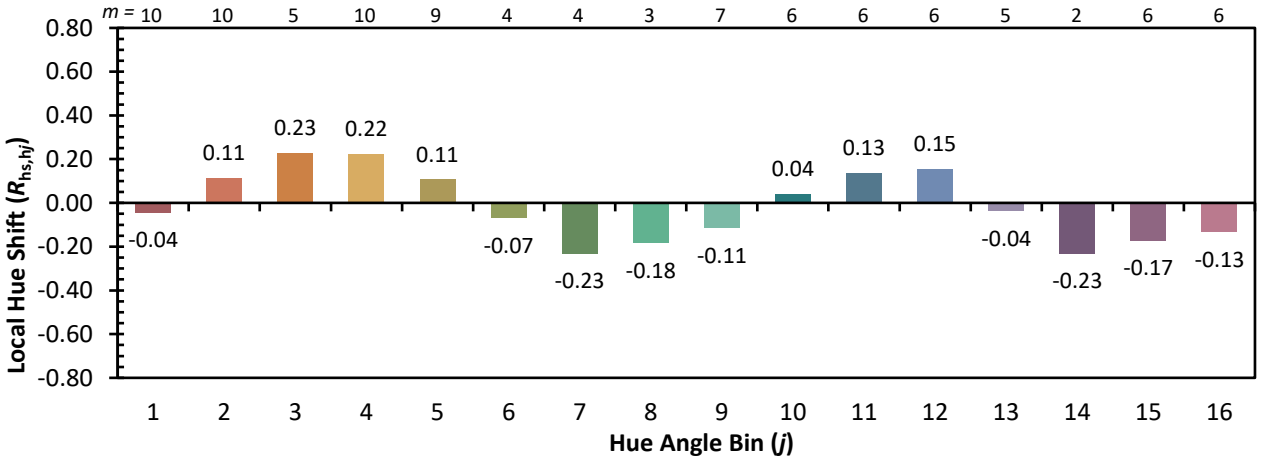


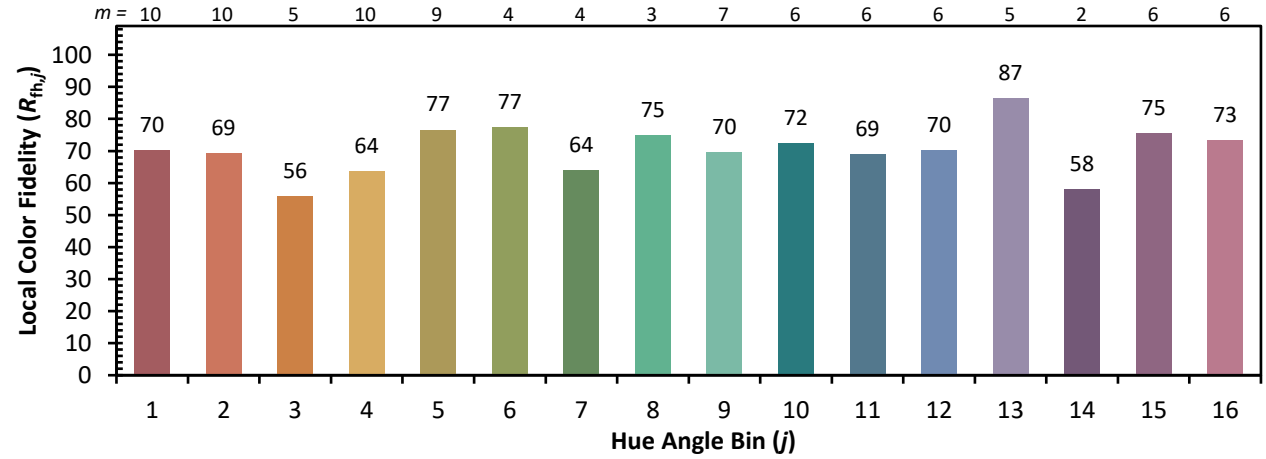
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Color Rendition by Hue-Angle Bin



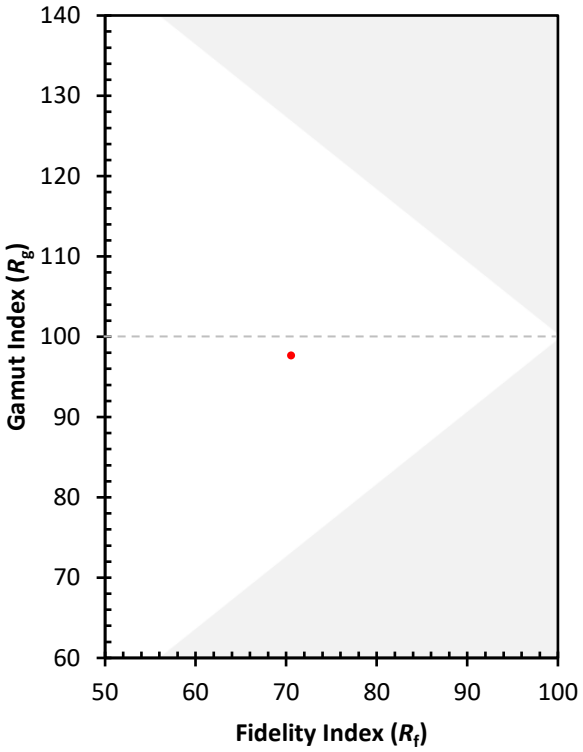


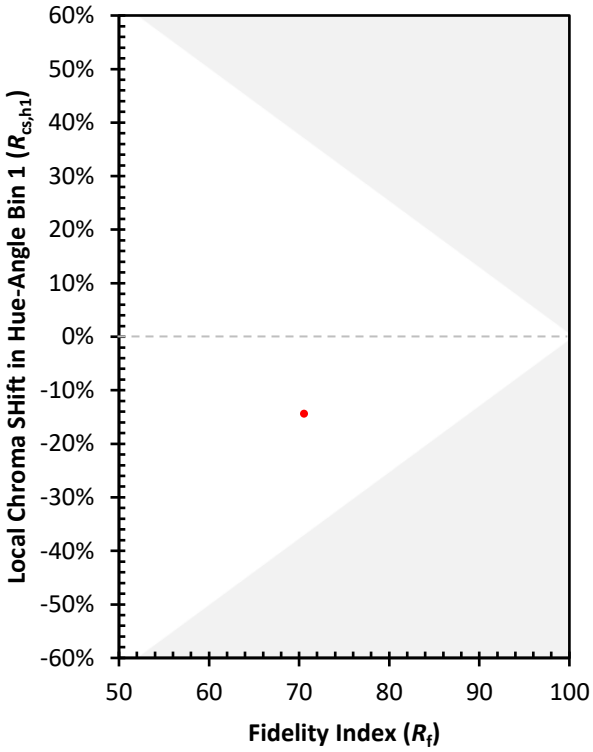


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Measure Comparisons





(END OF REPORT)