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: P1501753

Luminaire Tested: GSS-SB6A-722-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501753
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-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17506.3 lumens
Efficiency:	N/A
Efficacy:	103.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

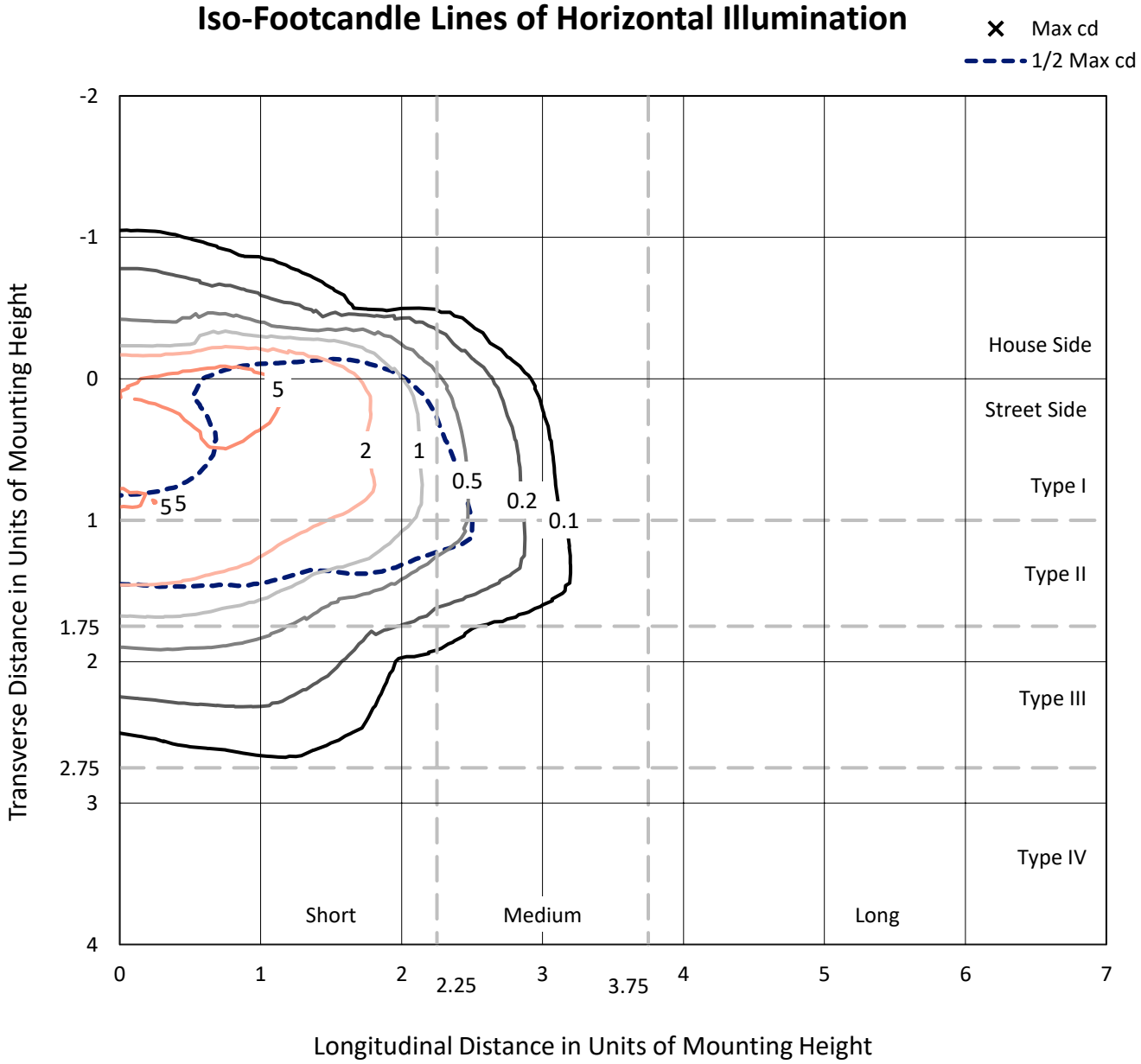
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



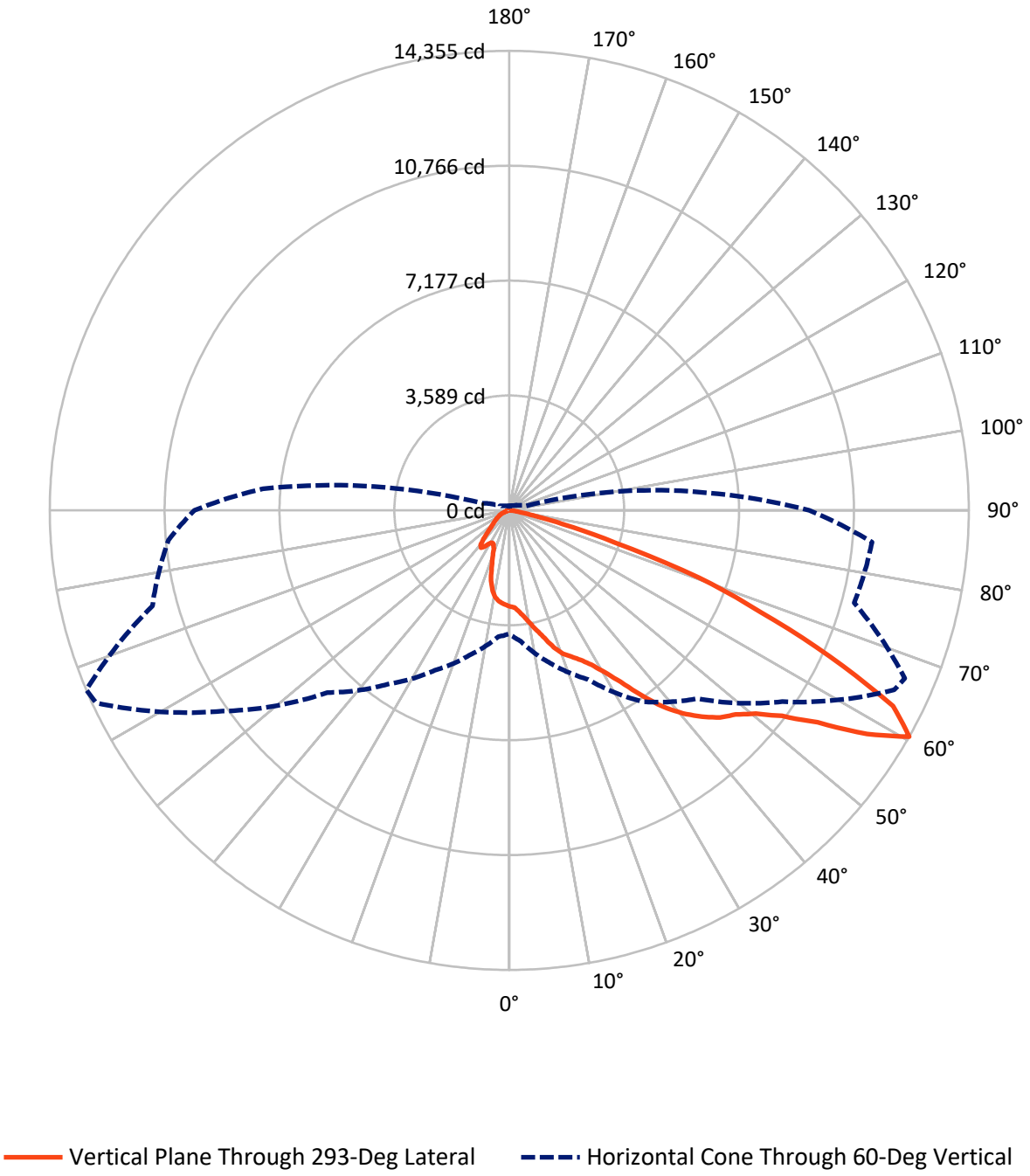
Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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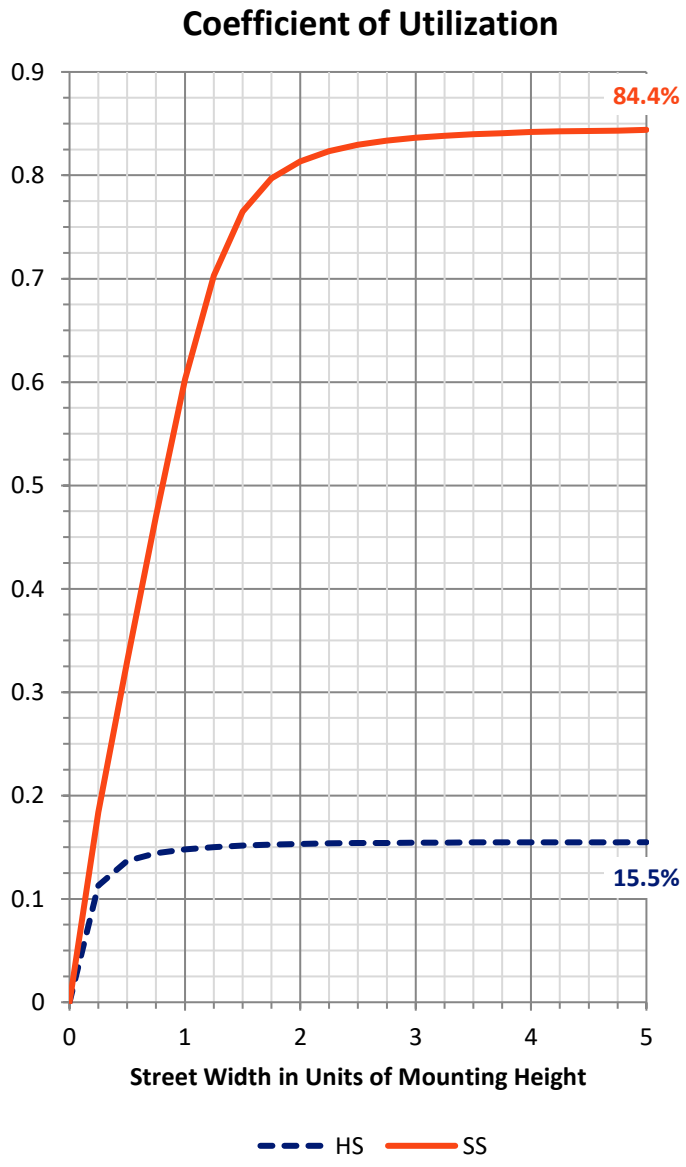
REPORT NUMBER: P1501753
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2731.4	0.0	2731.4
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	14774.9	0.0	14774.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	17506.3	0.0	17506.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.6	1.6
10°-20°	684.2	3.9
20°-30°	1277.4	7.3
30°-40°	2533.1	14.5
40°-50°	4038.7	23.1
50°-60°	4825.2	27.6
60°-70°	3163.2	18.1
70°-80°	662.7	3.8
80°-90°	50.1	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°	17506.3	100.0
0°-180°	17506.3	100.0



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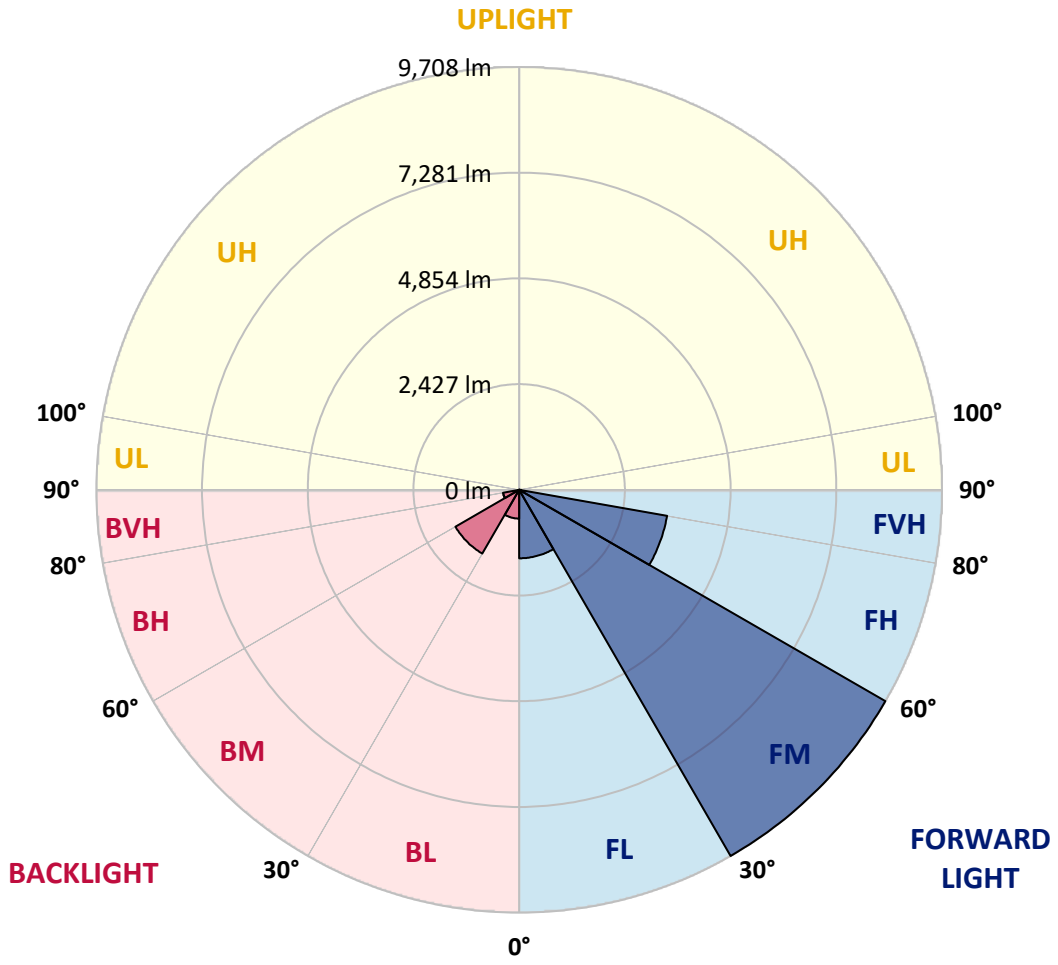
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1572.4	9.0			
FM	(30°-60°)	9707.9	55.5			
FH	(60°-80°)	3448.6	19.7			G2/5000
FVH	(80°-90°)	45.9	0.3			G1/100
BL	(0°-30°)	660.8	3.8	B2/1000		
BM	(30°-60°)	1689.1	9.6	B2/2500		
BH	(60°-80°)	377.3	2.2	B1/500		G1/500
BVH	(80°-90°)	4.2	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°	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4
2.5°	3152.4	3142.6	3127.9	3132.8	3127.9	3108.3	3078.8	3054.3	3073.9	3044.5	3024.9
5°	3245.5	3245.5	3235.7	3235.7	3240.6	3230.8	3211.2	3176.9	3181.8	3157.3	3093.6
7.5°	3245.5	3230.8	3255.3	3279.9	3324.0	3348.5	3358.3	3338.7	3348.5	3299.5	3216.1
10°	3054.3	3044.5	3108.3	3201.4	3328.9	3441.6	3515.2	3520.1	3534.8	3485.8	3387.7
12.5°	2647.4	2627.8	2755.3	2931.8	3191.6	3451.4	3657.4	3735.8	3770.1	3750.5	3613.2
15°	2269.9	2294.4	2382.7	2573.9	2922.0	3319.1	3735.8	3995.6	4044.7	4069.2	3907.4
17.5°	2230.7	2235.6	2265.0	2358.2	2622.9	3103.4	3745.6	4265.3	4333.9	4441.8	4221.2
20°	2338.6	2328.7	2358.2	2387.6	2515.0	2912.2	3652.5	4525.1	4657.5	4887.9	4647.7
22.5°	2539.6	2539.6	2554.3	2573.9	2637.6	2897.4	3613.2	4765.3	4990.9	5461.5	5182.1
25°	2877.8	2838.6	2848.4	2823.9	2877.8	3073.9	3701.5	4956.6	5265.4	6098.9	5819.4
27.5°	3402.4	3417.1	3328.9	3196.5	3225.9	3392.6	3917.2	5172.3	5549.8	6760.7	6466.6
30°	4128.0	4103.5	4049.6	3789.7	3672.1	3819.1	4314.3	5525.3	5932.2	7599.1	7329.4
32.5°	4696.7	4765.3	4672.2	4490.8	4309.4	4353.5	4873.2	6094.0	6397.9	8368.8	8221.7
35°	5383.1	5383.1	5402.7	5147.8	5025.2	5015.4	5574.3	6711.7	7015.7	9064.9	9167.9
37.5°	6309.7	6245.9	6138.1	5853.7	5760.6	5883.1	6231.2	7349.0	7677.5	9628.8	9903.3
40°	7089.2	7133.3	7118.6	6706.8	6525.4	6657.8	6966.6	7893.2	8148.2	9991.5	10496.5
42.5°	7854.0	7878.5	7814.8	7618.7	7353.9	7363.7	7618.7	8305.0	8564.9	10339.6	11055.4
45°	8427.6	8422.7	8378.6	8329.6	8172.7	8010.9	8055.0	8761.0	8986.5	10452.4	11359.4
47.5°	8609.0	8648.2	8687.4	8824.7	8932.6	8677.6	8452.1	9006.1	9212.0	10432.8	11472.1
50°	8442.3	8525.7	8716.9	8922.8	9290.5	9270.9	8785.5	9270.9	9471.9	10540.6	11604.5
52.5°	8069.7	8153.1	8408.0	8780.6	9334.6	9609.1	9403.2	9717.0	9952.3	10815.2	11879.1
55°	7202.0	7236.3	7760.9	8251.1	9114.0	9462.1	10065.1	10472.0	10668.1	11148.6	12241.8
57.5°	5863.5	5946.9	6461.7	7260.8	8496.2	9074.8	10442.6	11761.4	11756.5	11467.2	12320.3
60°	*3858.4*	*4103.5*	*4941.8*	*5824.3*	*7300.0*	*8314.8*	*10418.1*	*13271.4*	*13423.4*	*11153.5*	*11374.1*
62.5°	2946.5	3049.4	3525.0	4260.4	5402.7	6893.1	10256.3	13722.4	13840.1	10310.2	9957.2
65°	2216.0	2343.5	2799.4	3456.3	3814.2	4672.2	9197.3	11928.1	12089.9	9202.2	7741.2
67.5°	1358.0	1461.0	2068.9	2838.6	2887.6	2902.4	6206.7	9035.5	9094.4	7422.6	5211.5
70°	907.0	1009.9	1431.6	2181.7	2299.3	1671.8	3407.3	6839.2	6834.3	5079.1	3167.1
72.5°	524.6	573.6	907.0	1608.1	1809.1	1063.9	1701.2	4348.6	4157.4	2387.6	1480.6
75°	299.1	333.4	500.1	1034.5	1269.8	676.6	671.7	2328.7	2059.1	1230.6	808.9
77.5°	181.4	196.1	274.5	676.6	764.8	455.9	372.6	1083.5	1044.3	720.7	426.5
80°	88.2	103.0	166.7	397.1	490.3	245.1	225.5	426.5	455.9	397.1	225.5
82.5°	29.4	39.2	93.1	152.0	318.7	98.1	93.1	235.3	250.0	235.3	107.9
85°	14.7	19.6	44.1	49.0	122.6	49.0	34.3	103.0	127.5	78.4	44.1
87.5°	0.0	4.9	4.9	4.9	4.9	4.9	4.9	9.8	9.8	9.8	9.8
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°	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4
2.5°	3010.2	3000.4	2980.8	2946.5	2941.6	2917.1	2877.8	2853.3	2833.7	2848.4	2853.3
5°	3064.1	3039.6	2980.8	2887.6	2789.6	2691.5	2598.4	2490.5	2417.0	2407.2	2387.6
7.5°	3162.2	3113.2	2985.7	2804.3	2554.3	2318.9	2044.4	1779.7	1647.3	1627.7	1583.5
10°	3319.1	3235.7	3024.9	2657.2	2176.8	1686.5	1269.8	985.4	823.6	794.2	804.0
12.5°	3505.4	3387.7	3029.8	2407.2	1657.1	1044.3	720.7	612.8	578.5	563.8	563.8
15°	3745.6	3574.0	3024.9	2083.6	1117.8	671.7	578.5	534.4	519.7	509.9	509.9
17.5°	4049.6	3824.0	2990.6	1598.3	755.0	583.4	529.5	495.2	475.6	470.7	470.7
20°	4407.5	4103.5	2912.2	1191.3	632.4	544.2	500.1	455.9	441.2	431.4	431.4
22.5°	4863.4	4441.8	2760.2	926.6	598.1	519.7	470.7	421.6	406.9	397.1	397.1
25°	5392.9	4873.2	2559.2	833.4	593.2	500.1	441.2	392.2	377.5	372.6	367.7
27.5°	6020.4	5334.1	2372.9	838.3	603.0	485.4	411.8	367.7	353.0	338.3	343.2
30°	6760.7	5809.6	2220.9	897.2	612.8	470.7	392.2	353.0	338.3	318.7	318.7
32.5°	7491.2	6368.5	2206.2	1005.0	647.1	460.8	372.6	333.4	318.7	304.0	304.0
35°	8241.3	6878.4	2289.5	1147.2	715.8	446.1	348.1	313.8	299.1	289.3	284.4
37.5°	8957.1	7285.3	2368.0	1235.5	676.6	382.4	318.7	289.3	274.5	254.9	254.9
40°	9432.6	7505.9	2382.7	1166.8	558.9	343.2	289.3	259.8	240.2	230.4	225.5
42.5°	9780.7	7648.1	2216.0	946.2	485.4	313.8	264.7	235.3	220.6	210.8	210.8
45°	9922.9	7599.1	1931.6	720.7	446.1	289.3	240.2	215.7	205.9	196.1	196.1
47.5°	9903.3	7373.5	1642.4	578.5	406.9	264.7	225.5	205.9	196.1	186.3	181.4
50°	9869.0	7162.7	1348.2	514.8	362.8	250.0	210.8	196.1	181.4	171.6	166.7
52.5°	10094.5	7094.1	1117.8	470.7	338.3	240.2	205.9	186.3	171.6	161.8	161.8
55°	10320.0	7123.5	877.6	441.2	313.8	235.3	201.0	181.4	166.7	152.0	152.0
57.5°	10305.3	6996.0	666.8	411.8	294.2	230.4	196.1	176.5	152.0	142.2	142.2
60°	*9368.9*	*6241.0*	*519.7*	*377.5*	*269.6*	*215.7*	*181.4*	*166.7*	*142.2*	*127.5*	*127.5*
62.5°	7922.6	4907.5	426.5	333.4	240.2	196.1	166.7	152.0	127.5	103.0	103.0
65°	5853.7	3539.7	343.2	289.3	220.6	171.6	152.0	132.4	103.0	83.3	78.4
67.5°	3961.3	2176.8	274.5	240.2	196.1	147.1	127.5	112.8	93.1	68.6	63.7
70°	2348.4	1157.0	201.0	166.7	147.1	107.9	107.9	98.1	78.4	58.8	53.9
72.5°	1117.8	402.0	147.1	122.6	112.8	78.4	83.3	83.3	63.7	44.1	39.2
75°	568.7	196.1	98.1	88.2	73.5	58.8	68.6	63.7	44.1	29.4	29.4
77.5°	323.6	137.3	68.6	58.8	49.0	39.2	44.1	39.2	24.5	14.7	14.7
80°	181.4	98.1	44.1	39.2	29.4	24.5	24.5	19.6	14.7	4.9	4.9
82.5°	68.6	58.8	29.4	19.6	14.7	14.7	9.8	9.8	4.9	0.0	0.0
85°	29.4	14.7	14.7	9.8	9.8	4.9	4.9	4.9	0.0	0.0	0.0
87.5°	4.9	4.9	4.9	4.9	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°	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4
2.5°	2814.1	2823.9	2833.7	2872.9	2882.7	2912.2	2936.7	2966.1	2971.0	3010.2	3010.2
5°	2426.8	2421.9	2505.2	2627.8	2706.2	2814.1	2897.4	2985.7	3034.7	3098.5	3127.9
7.5°	1608.1	1730.6	1916.9	2132.6	2412.1	2671.9	2868.0	3039.6	3157.3	3230.8	3260.2
10°	799.1	867.8	1063.9	1416.9	1892.4	2421.9	2838.6	3157.3	3348.5	3431.8	3485.8
12.5°	563.8	578.5	612.8	804.0	1260.0	2010.1	2745.5	3284.8	3549.5	3706.4	3775.0
15°	505.0	514.8	529.5	583.4	779.5	1500.2	2578.8	3426.9	3863.3	4044.7	4132.9
17.5°	465.7	470.7	485.4	529.5	612.8	1019.7	2309.1	3578.9	4240.8	4461.4	4628.1
20°	431.4	431.4	446.1	500.1	568.7	784.4	1921.8	3750.5	4721.2	5039.9	5206.6
22.5°	392.2	402.0	411.8	470.7	554.0	715.8	1559.0	3882.9	5255.6	5642.9	5839.0
25°	362.8	372.6	382.4	441.2	539.3	715.8	1348.2	3966.2	5853.7	6314.6	6584.2
27.5°	338.3	348.1	362.8	421.6	524.6	745.2	1264.9	3990.7	6505.8	7103.9	7466.7
30°	318.7	328.5	343.2	406.9	534.4	779.5	1294.3	3956.4	7167.6	7917.7	8349.2
32.5°	299.1	308.9	323.6	392.2	534.4	823.6	1392.3	3887.8	7809.9	8731.6	9261.1
35°	284.4	289.3	294.2	353.0	485.4	818.7	1514.9	3819.1	8457.0	9535.6	10153.3
37.5°	254.9	259.8	269.6	304.0	387.3	745.2	1539.4	3735.8	8966.9	10212.2	10893.6
40°	225.5	235.3	245.1	279.4	323.6	603.0	1431.6	3559.3	9236.5	10731.8	11560.4
42.5°	205.9	210.8	220.6	254.9	299.1	480.5	1201.1	3250.4	9476.8	11084.8	12045.7
45°	191.2	196.1	205.9	230.4	279.4	416.7	946.2	2872.9	9496.4	11197.6	12281.1
47.5°	176.5	181.4	186.3	210.8	269.6	372.6	725.6	2529.8	9491.5	11344.7	12482.1
50°	166.7	171.6	181.4	201.0	254.9	333.4	598.1	2250.3	9697.4	11663.3	12889.0
52.5°	161.8	161.8	176.5	196.1	240.2	304.0	500.1	2000.3	9805.2	11977.1	13183.2
55°	152.0	156.9	166.7	186.3	225.5	289.3	426.5	1686.5	9854.3	12134.0	13237.1
57.5°	142.2	147.1	161.8	176.5	215.7	274.5	367.7	1260.0	9153.2	11315.3	12335.0
60°	*127.5*	*137.3*	*156.9*	*171.6*	*201.0*	*250.0*	*323.6*	*853.1*	*7721.6*	*9834.7*	*10687.7*
62.5°	103.0	122.6	142.2	152.0	181.4	210.8	274.5	568.7	6167.5	8138.4	9109.1
65°	78.4	103.0	117.7	132.4	152.0	176.5	230.4	387.3	4113.3	5476.2	6569.5
67.5°	68.6	88.2	98.1	107.9	127.5	152.0	186.3	269.6	2495.4	3289.7	4368.2
70°	53.9	73.5	83.3	78.4	98.1	117.7	132.4	181.4	1274.7	1784.6	2485.6
72.5°	39.2	58.8	63.7	63.7	58.8	83.3	98.1	127.5	554.0	867.8	1127.6
75°	29.4	39.2	44.1	39.2	34.3	53.9	68.6	83.3	362.8	519.7	657.0
77.5°	14.7	14.7	24.5	24.5	14.7	29.4	34.3	49.0	205.9	304.0	377.5
80°	4.9	0.0	0.0	4.9	0.0	9.8	14.7	24.5	107.9	161.8	235.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	53.9	49.0	122.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	29.4
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: P1501753
CATALOG NUMBER: GSS-SB6A-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3000.4	*3000.4*	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4	3000.4
2.5°	3034.7	*3034.7*	3054.3	3083.7	3098.5	3108.3	3113.2	3123.0	3162.2	3152.4
5°	3162.2	*3172.0*	3186.7	3216.1	3250.4	3240.6	3240.6	3240.6	3265.1	3245.5
7.5°	3328.9	*3358.3*	3363.2	3397.5	3373.0	3324.0	3294.6	3250.4	3245.5	3245.5
10°	3598.5	*3588.7*	3588.7	3544.6	3456.3	3314.2	3186.7	3098.5	3049.4	3054.3
12.5°	3887.8	*3848.6*	3853.5	3691.7	3441.6	3127.9	2868.0	2676.8	2662.1	2647.4
15°	4245.7	*4142.7*	4123.1	3750.5	3221.0	2740.6	2485.6	2333.6	2284.6	2269.9
17.5°	4755.5	*4495.7*	4402.6	3647.6	2931.8	2500.3	2309.1	2240.5	2235.6	2230.7
20°	5294.8	*4780.1*	4603.6	3495.6	2833.7	2505.2	2363.1	2343.5	2333.6	2338.6
22.5°	5922.4	*4961.5*	4735.9	3520.1	2922.0	2667.0	2554.3	2539.6	2529.8	2539.6
25°	6569.5	*5172.3*	4892.8	3716.2	3186.7	2966.1	2833.7	2804.3	2833.7	2877.8
27.5°	7221.6	*5456.6*	5201.7	4103.5	3613.2	3373.0	3245.5	3353.4	3397.5	3402.4
30°	7800.1	*5853.7*	5618.4	4647.7	4098.6	3858.4	3882.9	4020.2	4074.1	4128.0
32.5°	8329.6	*6383.2*	6201.8	5265.4	4726.1	4584.0	4569.2	4672.2	4731.0	4696.7
35°	8863.9	*7074.5*	6898.0	5937.1	5495.8	5378.2	5255.6	5456.6	5437.0	5383.1
37.5°	9368.9	*7770.7*	7608.9	6657.8	6201.8	5995.9	5976.3	6157.7	6319.5	6309.7
40°	9731.7	*8334.5*	8138.4	7373.5	6942.1	6765.6	6868.6	7182.3	7143.1	7089.2
42.5°	10065.1	*8814.9*	8638.4	8001.1	7550.0	7628.5	7721.6	7932.4	7907.9	7854.0
45°	10222.0	*9226.7*	9074.8	8476.6	8256.0	8506.0	8501.1	8579.6	8447.2	8427.6
47.5°	10442.6	*9520.9*	9364.0	8903.2	9099.3	9202.2	8913.0	8829.6	8707.1	8609.0
50°	10849.5	*9976.8*	9820.0	9550.3	9717.0	9398.3	9045.3	8863.9	8613.9	8442.3
52.5°	11325.1	*10668.1*	10530.8	10423.0	9957.2	9300.3	8849.2	8520.8	8216.8	8069.7
55°	11923.2	*11687.9*	11589.8	10996.6	9741.5	8898.3	8368.8	7755.9	7339.2	7202.0
57.5°	12119.3	*13183.2*	13148.8	11089.7	9138.5	8167.8	7211.8	6383.2	5951.8	5863.5
60°	*11540.8*	*14354.9*	*14232.3*	*10932.8*	*8045.2*	*6628.3*	*5510.5*	*4662.4*	*3961.3*	*3858.4*
62.5°	10800.5	*13457.7*	13413.6	10143.5	6128.3	4750.6	4118.2	3324.0	3024.9	2946.5
65°	9251.2	*11011.3*	11030.9	8138.4	3878.0	3412.2	3382.8	2642.5	2274.8	2216.0
67.5°	7123.5	*8447.2*	8309.9	5118.3	2260.1	2730.8	2701.3	1931.6	1397.2	1358.0
70°	4162.3	*6290.1*	6069.4	2662.1	1495.3	2279.7	2078.7	1358.0	951.1	907.0
72.5°	1838.5	*3461.3*	3716.2	1171.7	1054.1	1814.0	1500.2	833.4	534.4	524.6
75°	1019.7	*1715.9*	1794.4	509.9	740.3	1289.4	907.0	465.7	304.0	299.1
77.5°	612.8	*759.9*	740.3	328.5	554.0	823.6	549.1	264.7	191.2	181.4
80°	343.2	*348.1*	294.2	240.2	328.5	460.8	308.9	166.7	88.2	88.2
82.5°	210.8	*191.2*	152.0	73.5	88.2	279.4	112.8	93.1	29.4	29.4
85°	88.2	*58.8*	39.2	14.7	34.3	73.5	39.2	44.1	14.7	14.7
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

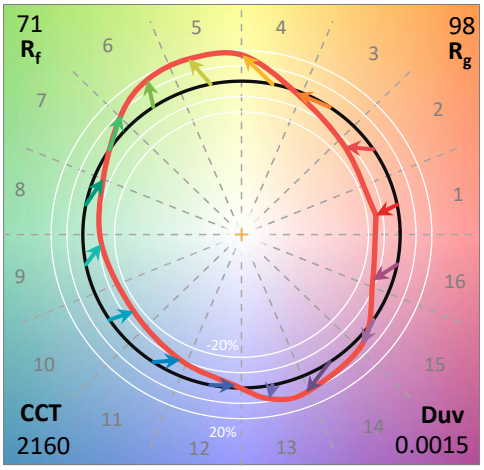
Test Information

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

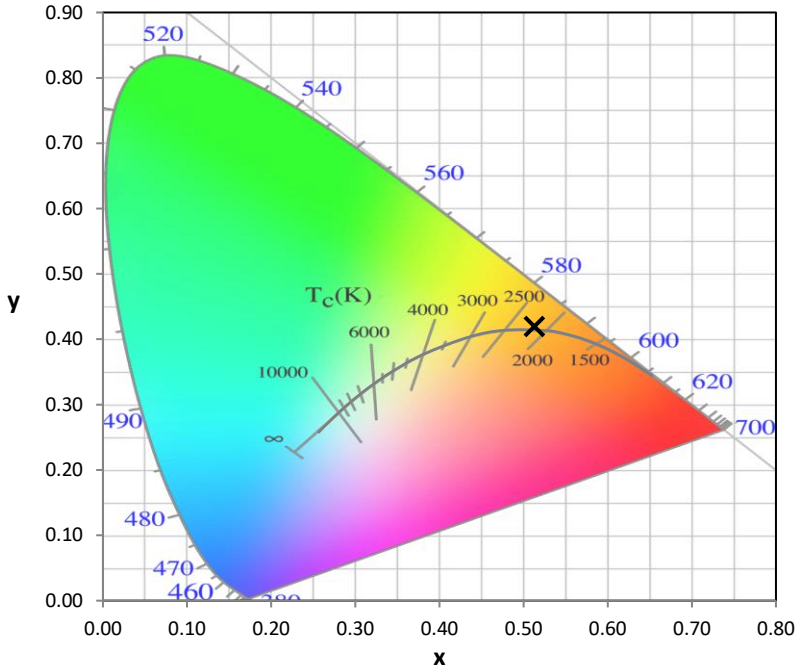
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

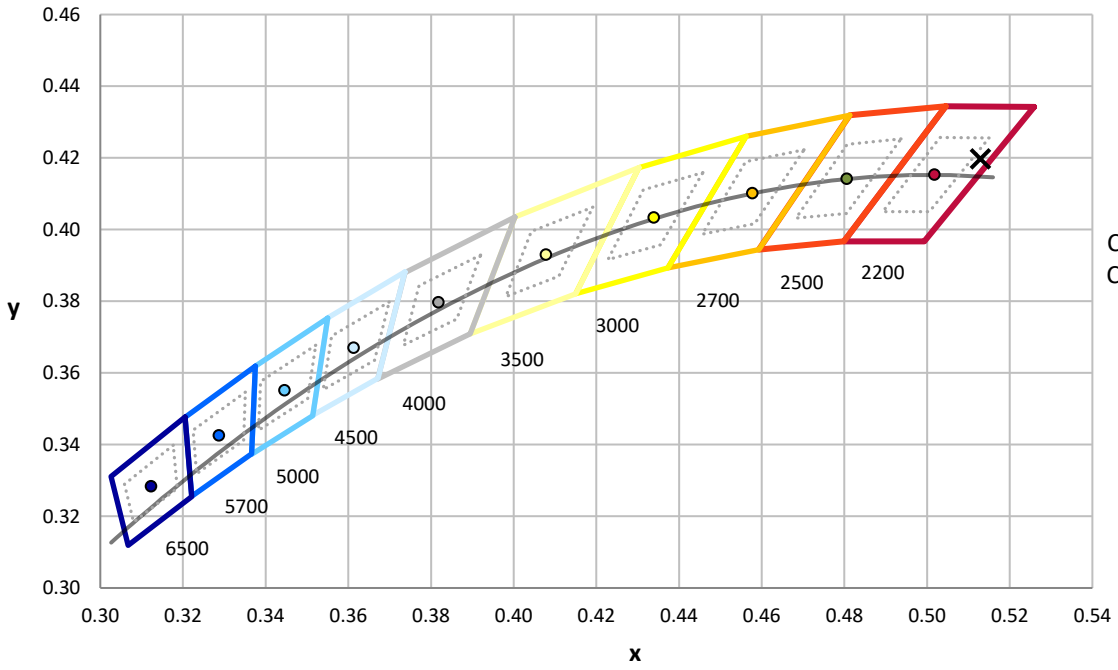
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

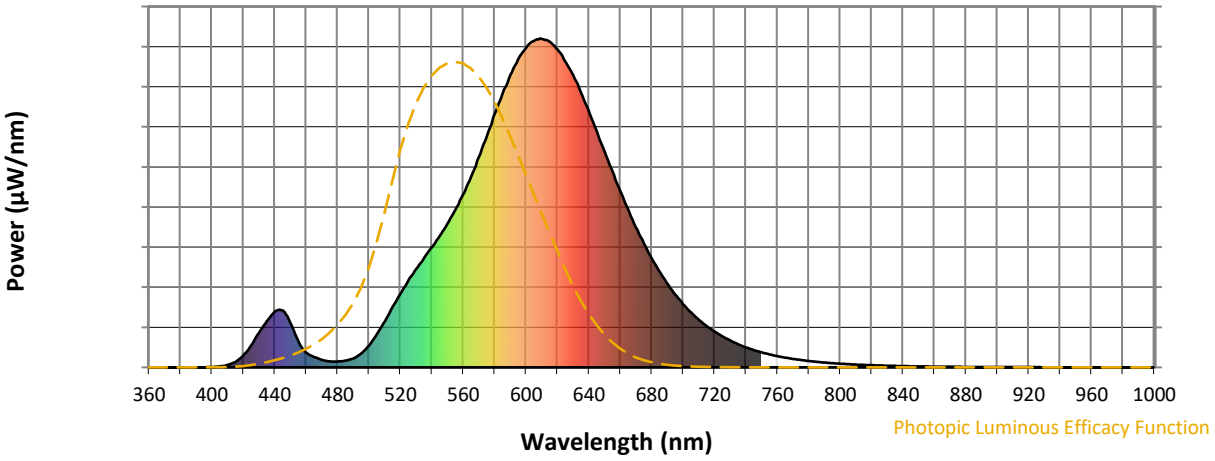


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

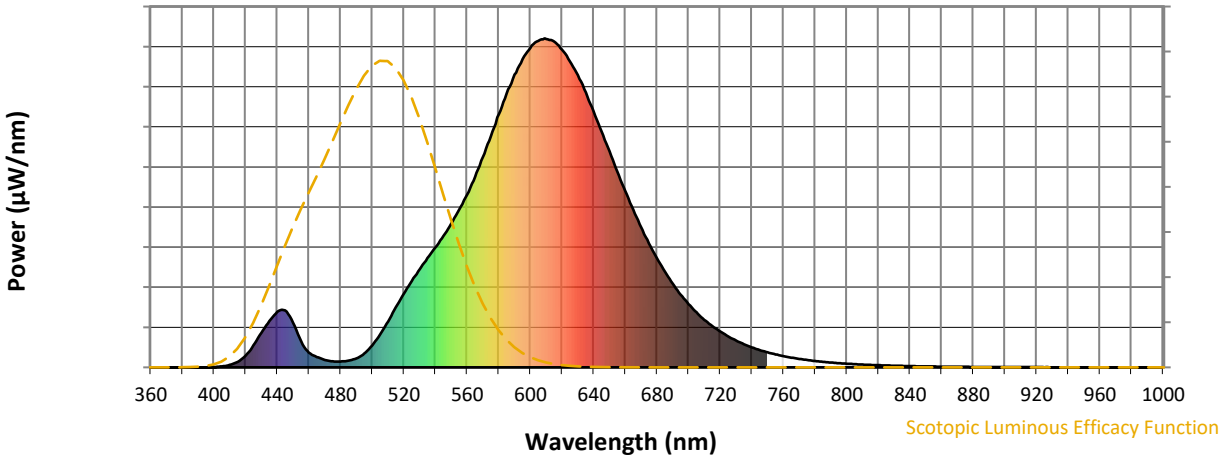


Photopic Lumens: NR

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

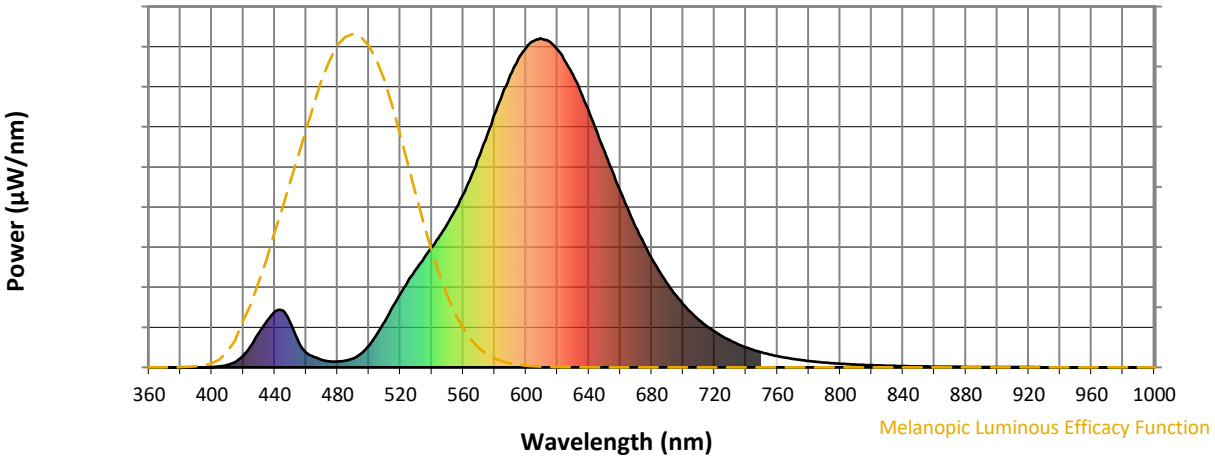


Scotopic Lumens: NR **S/P: 0.8**

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			

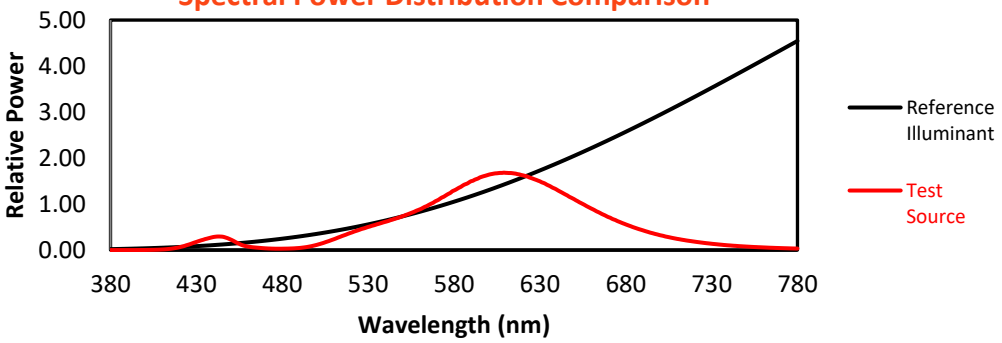
REPORT NUMBER: SP1-2407-184-2

TM-30-18

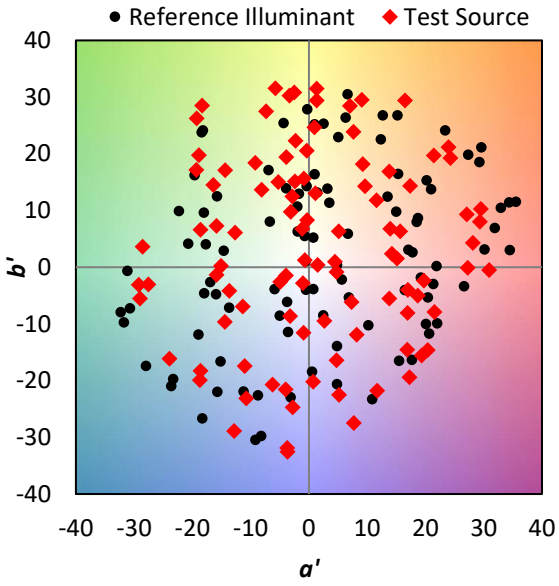
Summary

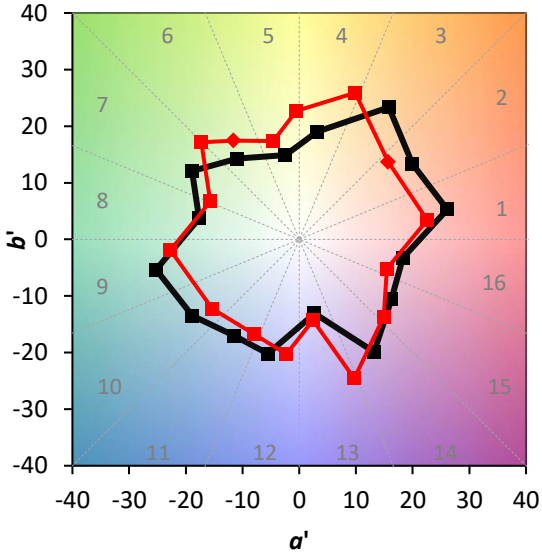
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

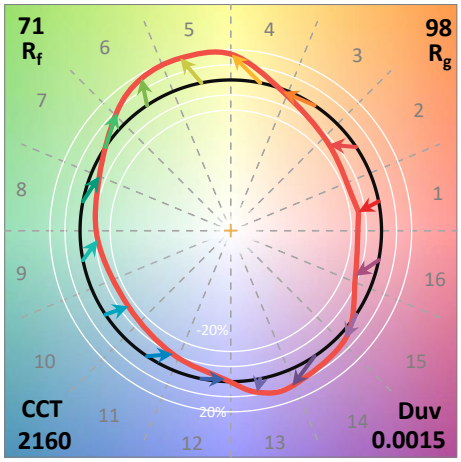
Spectral Power Distribution Comparison

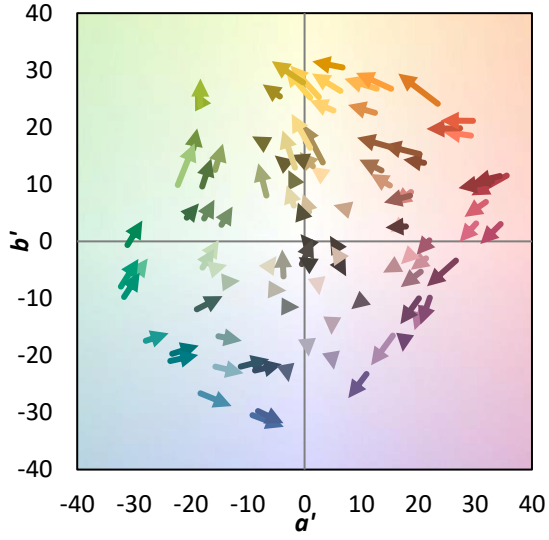


Color Vector Graphics







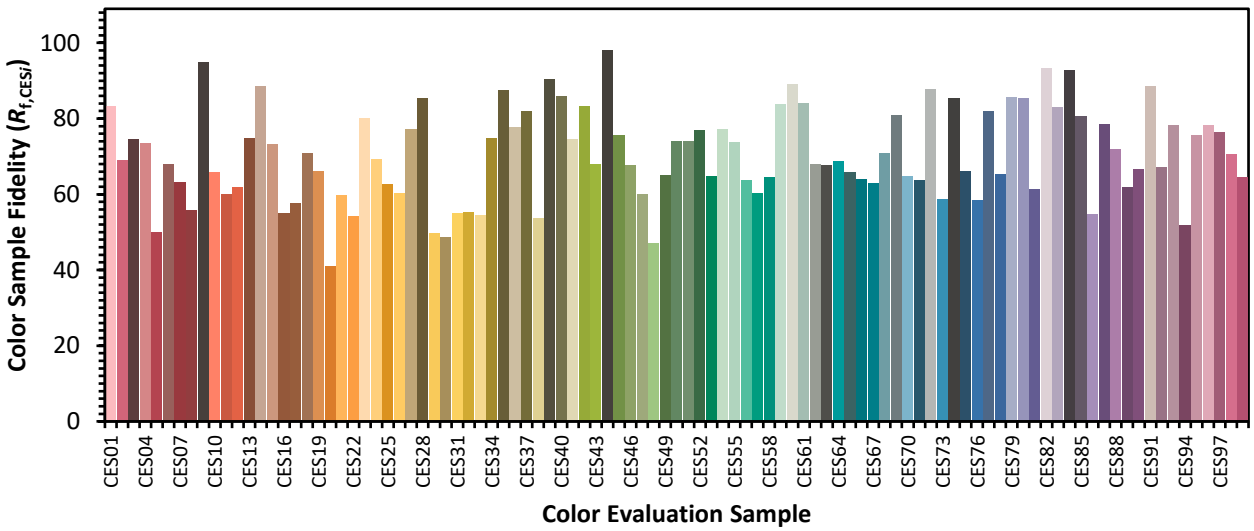


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Individual Sample Fidelity Index ($R_{f,i}$)

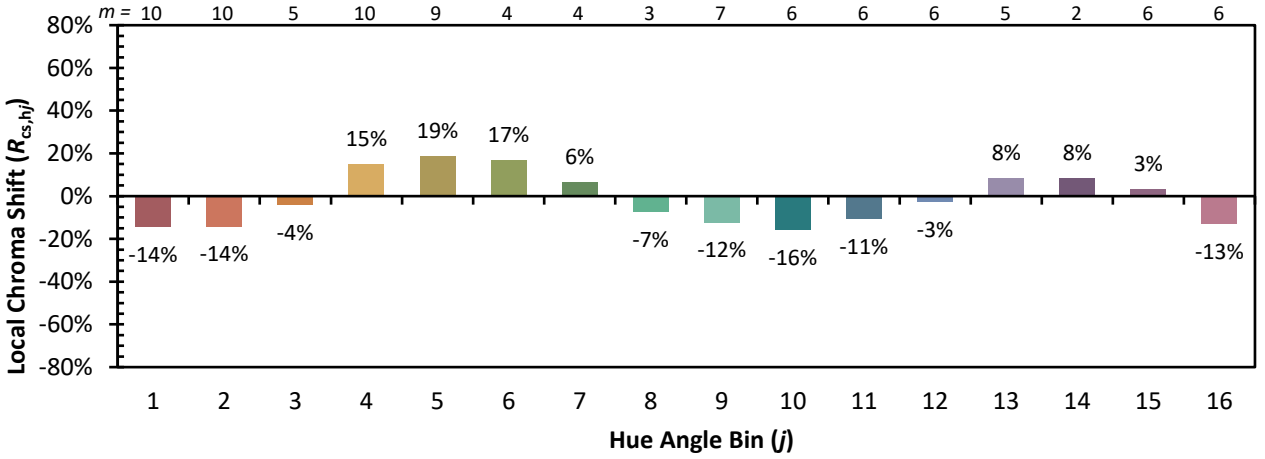
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57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

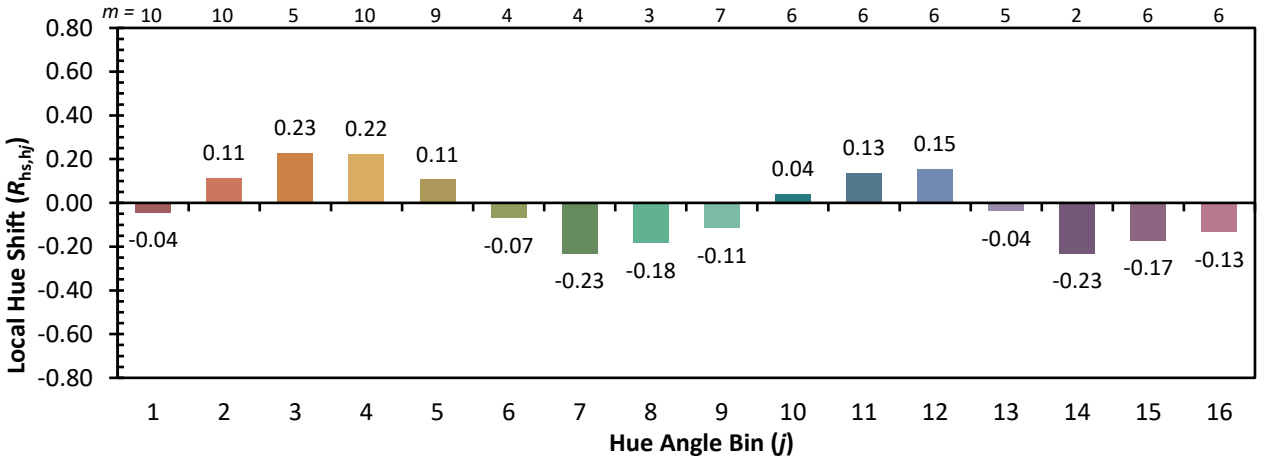


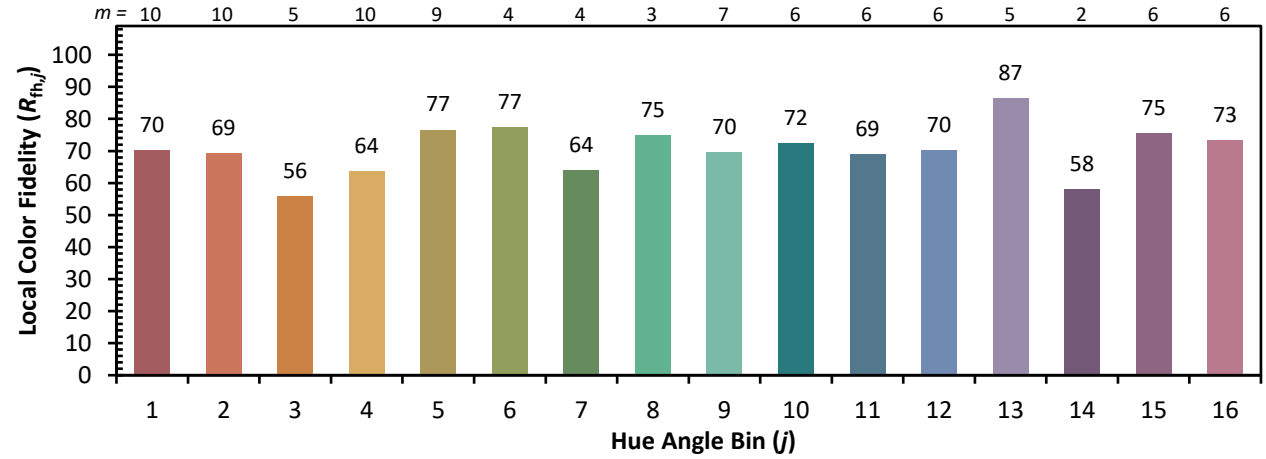
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Color Rendition by Hue-Angle Bin



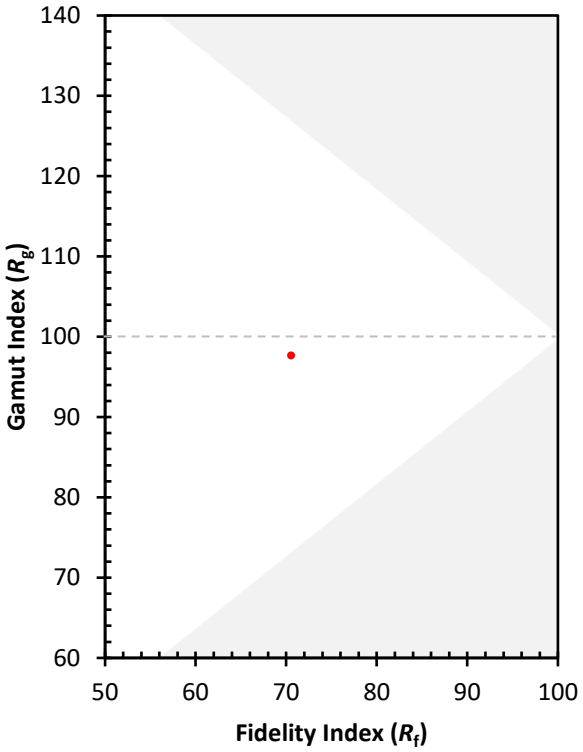


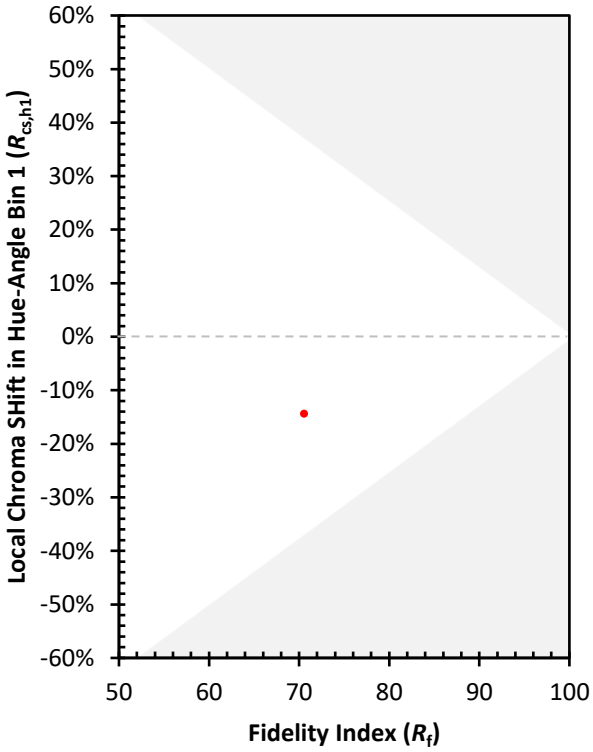


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Measure Comparisons





(END OF REPORT)