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: P1501818

Luminaire Tested: GSS-SB4B-735-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:	P1501818
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17792.2 lumens
Efficiency:	N/A
Efficacy:	120.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

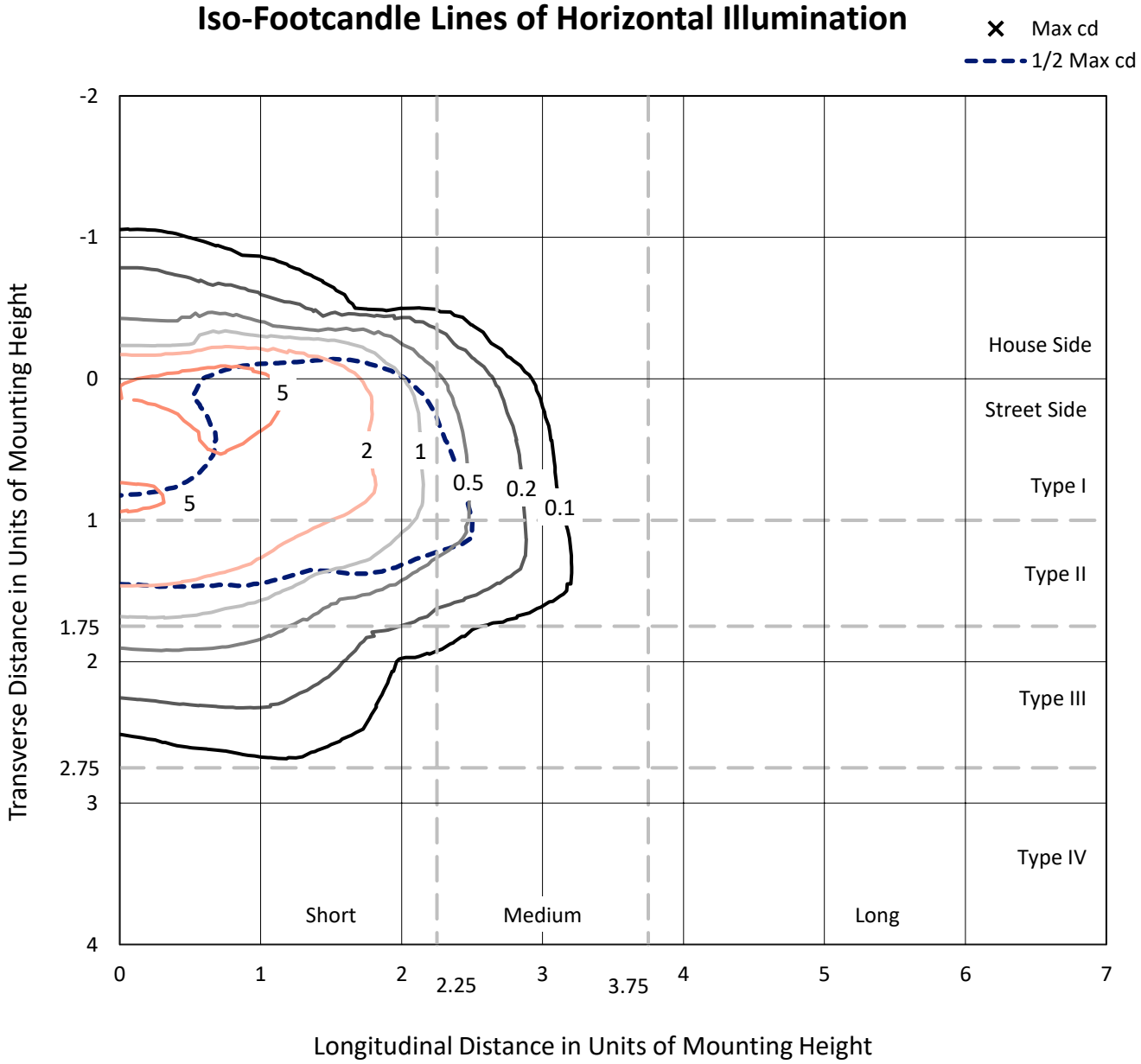
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



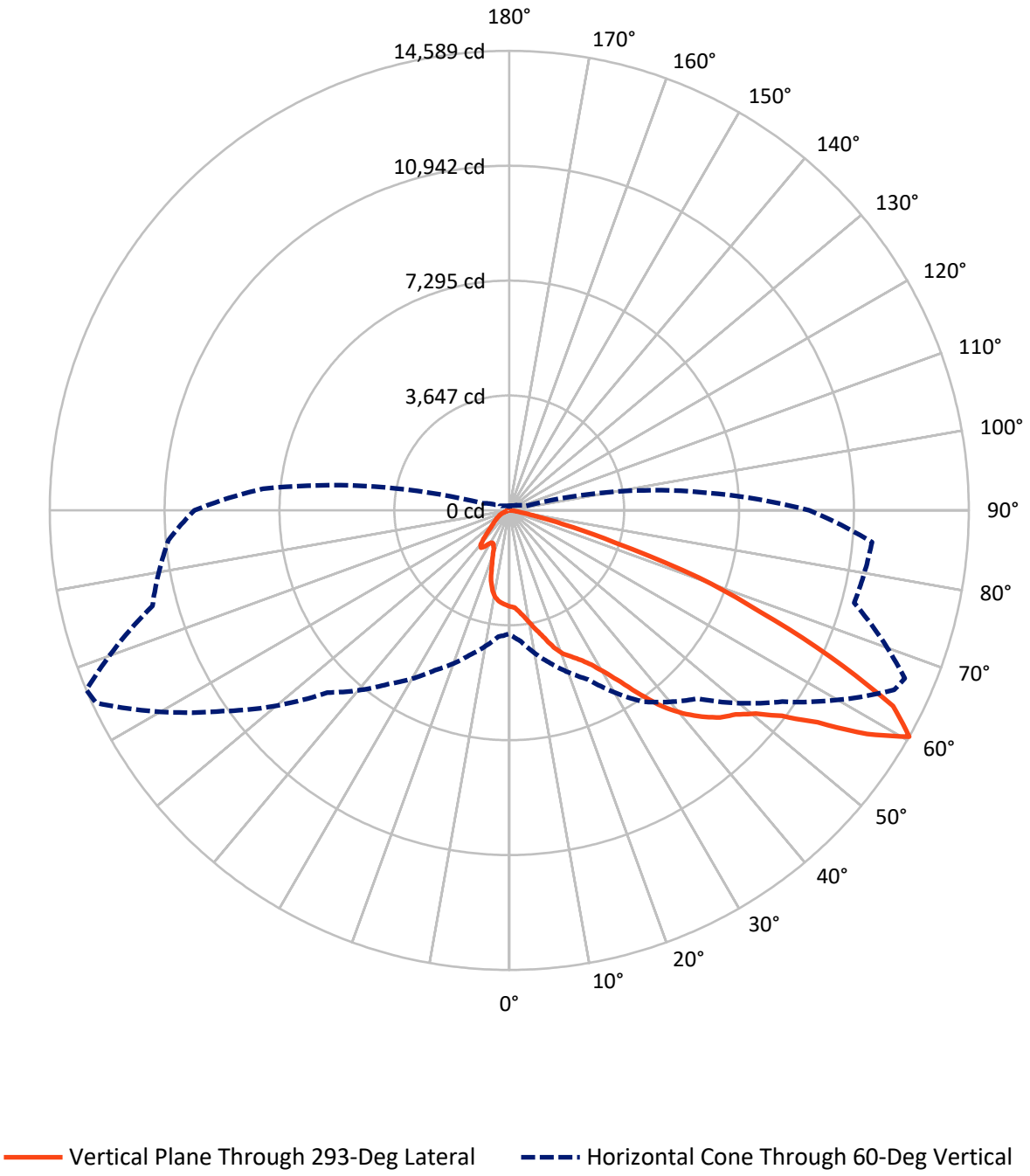
Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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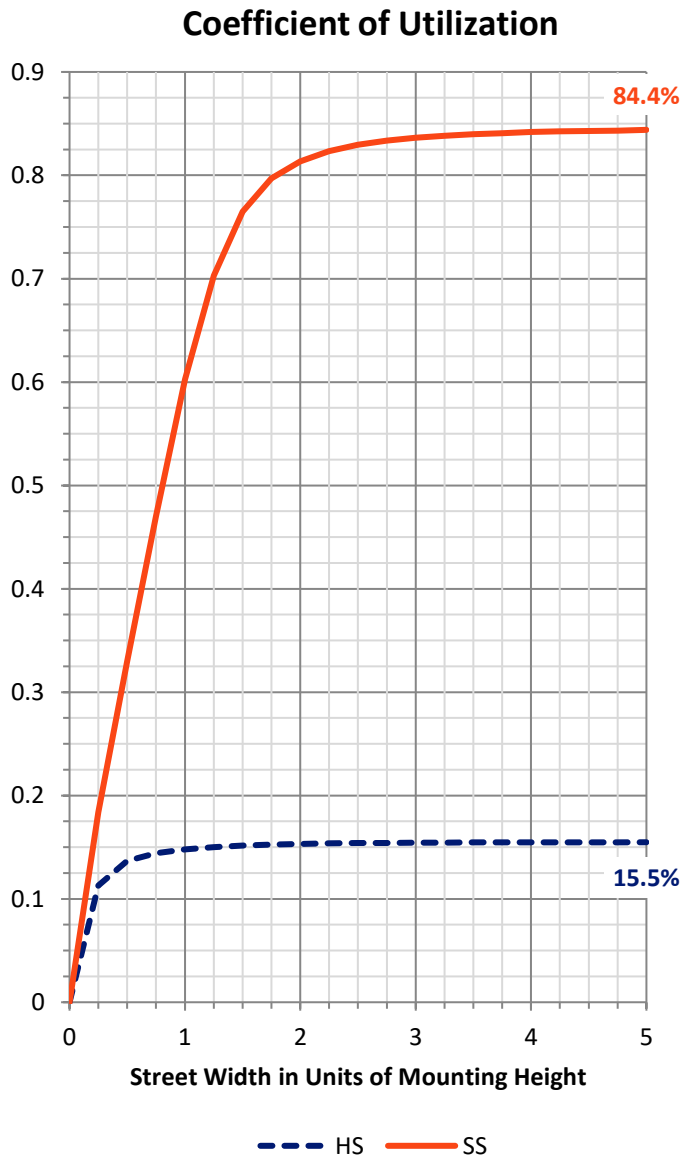
REPORT NUMBER: P1501818
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2776.0	0.0	2776.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	15016.2	0.0	15016.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	17792.2	0.0	17792.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.1	1.6
10°-20°	695.4	3.9
20°-30°	1298.2	7.3
30°-40°	2574.5	14.5
40°-50°	4104.6	23.1
50°-60°	4904.0	27.6
60°-70°	3214.9	18.1
70°-80°	673.5	3.8
80°-90°	50.9	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°	17792.2	100.0
0°-180°	17792.2	100.0



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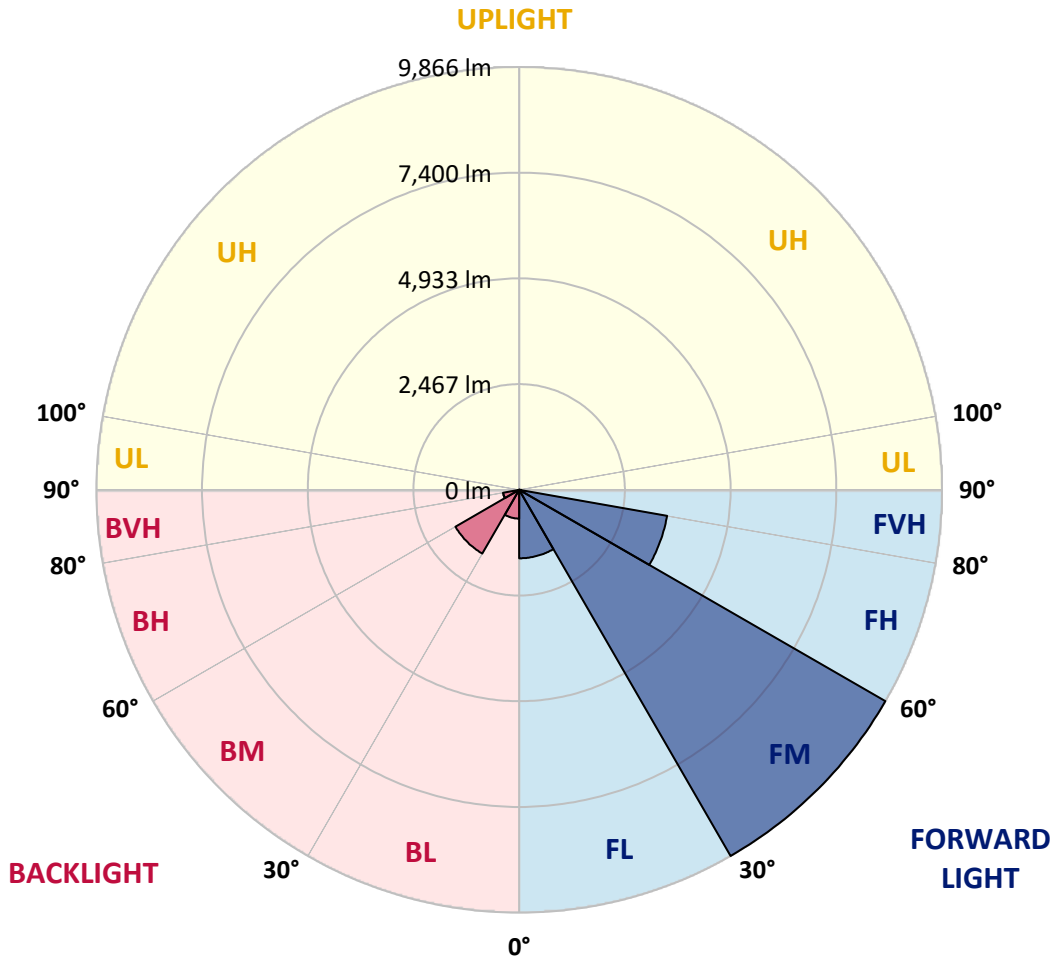
Scaled Data Report

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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°)	1598.1	9.0			
FM	(30°-60°)	9866.4	55.5			
FH	(60°-80°)	3505.0	19.7			G2/5000
FVH	(80°-90°)	46.7	0.3			G1/100
BL	(0°-30°)	671.6	3.8	B2/1000		
BM	(30°-60°)	1716.7	9.6	B2/2500		
BH	(60°-80°)	383.5	2.2	B1/500		G1/500
BVH	(80°-90°)	4.3	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°	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4
2.5°	3203.9	3193.9	3178.9	3183.9	3178.9	3159.0	3129.1	3104.2	3124.1	3094.2	3074.3
5°	3298.5	3298.5	3288.6	3288.6	3293.6	3283.6	3263.7	3228.8	3233.8	3208.8	3144.1
7.5°	3298.5	3283.6	3308.5	3333.4	3378.3	3403.2	3413.1	3393.2	3403.2	3353.3	3268.6
10°	3104.2	3094.2	3159.0	3253.7	3383.2	3497.8	3572.6	3577.6	3592.5	3542.7	3443.0
12.5°	2690.6	2670.7	2800.3	2979.6	3243.7	3507.8	3717.1	3796.8	3831.7	3811.7	3672.2
15°	2307.0	2331.9	2421.6	2615.9	2969.7	3373.3	3796.8	4060.9	4110.7	4135.6	3971.2
17.5°	2267.1	2272.1	2302.0	2396.7	2665.7	3154.0	3806.8	4334.9	4404.7	4514.3	4290.1
20°	2376.7	2366.8	2396.7	2426.6	2556.1	2959.7	3712.1	4599.0	4733.5	4967.7	4723.6
22.5°	2581.0	2581.0	2596.0	2615.9	2680.7	2944.8	3672.2	4843.2	5072.4	5550.7	5266.7
25°	2924.8	2885.0	2894.9	2870.0	2924.8	3124.1	3761.9	5037.5	5351.4	6198.5	5914.4
27.5°	3458.0	3472.9	3383.2	3248.7	3278.6	3448.0	3981.2	5256.7	5640.4	6871.1	6572.2
30°	4195.4	4170.5	4115.7	3851.6	3732.0	3881.5	4384.8	5615.5	6029.0	7723.2	7449.1
32.5°	4773.4	4843.2	4748.5	4564.1	4379.8	4424.6	4952.8	6193.5	6502.4	8505.4	8356.0
35°	5471.0	5471.0	5490.9	5231.8	5107.2	5097.3	5665.3	6821.3	7130.2	9213.0	9317.6
37.5°	6412.7	6347.9	6238.3	5949.3	5854.6	5979.2	6333.0	7469.0	7802.9	9786.0	10065.0
40°	7205.0	7249.8	7234.8	6816.3	6631.9	6766.5	7080.4	8022.1	8281.2	10154.7	10667.9
42.5°	7982.3	8007.2	7942.4	7743.1	7474.0	7484.0	7743.1	8440.7	8704.7	10508.5	11235.9
45°	8565.2	8560.2	8515.4	8465.6	8306.1	8141.7	8186.5	8904.0	9133.2	10623.1	11544.9
47.5°	8749.6	8789.4	8829.3	8968.8	9078.4	8819.3	8590.1	9153.2	9362.5	10603.1	11659.5
50°	8580.2	8664.9	8859.2	9068.5	9442.2	9422.2	8929.0	9422.2	9626.5	10712.8	11794.0
52.5°	8201.5	8286.2	8545.3	8924.0	9487.0	9766.0	9556.8	9875.7	10114.8	10991.8	12073.0
55°	7319.6	7354.4	7887.6	8385.8	9262.8	9616.6	10229.4	10643.0	10842.3	11330.6	12441.7
57.5°	5959.3	6044.0	6567.2	7379.3	8635.0	9222.9	10613.1	11953.4	11948.5	11654.5	12521.5
60°	*3921.4*	*4170.5*	*5022.5*	*5919.4*	*7419.2*	*8450.6*	*10588.2*	*13488.1*	*13642.6*	*11335.6*	*11559.8*
62.5°	2994.6	3099.2	3582.5	4329.9	5490.9	7005.6	10423.8	13946.5	14066.1	10478.6	10119.8
65°	2252.2	2381.7	2845.1	3512.8	3876.5	4748.5	9347.5	12122.9	12287.3	9352.5	7867.6
67.5°	1380.2	1484.8	2102.7	2885.0	2934.8	2949.7	6308.1	9183.1	9242.9	7543.8	5296.6
70°	921.8	1026.4	1454.9	2217.3	2336.9	1699.1	3463.0	6950.8	6945.9	5162.1	3218.8
72.5°	533.1	583.0	921.8	1634.3	1838.6	1081.2	1729.0	4419.6	4225.3	2426.6	1504.8
75°	303.9	338.8	508.2	1051.3	1290.5	687.6	682.6	2366.8	2092.7	1250.7	822.1
77.5°	184.4	199.3	279.0	687.6	777.3	463.4	378.7	1101.2	1061.3	732.5	433.5
80°	89.7	104.6	169.4	403.6	498.3	249.1	229.2	433.5	463.4	403.6	229.2
82.5°	29.9	39.9	94.7	154.5	323.9	99.7	94.7	239.2	254.1	239.2	109.6
85°	14.9	19.9	44.8	49.8	124.6	49.8	34.9	104.6	129.5	79.7	44.8
87.5°	0.0	5.0	5.0	5.0	5.0	5.0	5.0	10.0	10.0	10.0	10.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4
2.5°	3059.4	3049.4	3029.5	2994.6	2989.6	2964.7	2924.8	2899.9	2880.0	2894.9	2899.9
5°	3114.2	3089.3	3029.5	2934.8	2835.1	2735.5	2640.8	2531.2	2456.5	2446.5	2426.6
7.5°	3213.8	3164.0	3034.5	2850.1	2596.0	2356.8	2077.8	1808.7	1674.2	1654.2	1609.4
10°	3373.3	3288.6	3074.3	2700.6	2212.3	1714.0	1290.5	1001.5	837.1	807.2	817.2
12.5°	3562.6	3443.0	3079.3	2446.5	1684.1	1061.3	732.5	622.8	588.0	573.0	573.0
15°	3806.8	3632.4	3074.3	2117.6	1136.1	682.6	588.0	543.1	528.2	518.2	518.2
17.5°	4115.7	3886.5	3039.4	1624.4	767.3	592.9	538.1	503.3	483.3	478.3	478.3
20°	4479.4	4170.5	2959.7	1210.8	642.8	553.1	508.2	463.4	448.4	438.5	438.5
22.5°	4942.8	4514.3	2805.2	941.7	607.9	528.2	478.3	428.5	413.6	403.6	403.6
25°	5480.9	4952.8	2601.0	847.1	602.9	508.2	448.4	398.6	383.7	378.7	373.7
27.5°	6118.7	5421.2	2411.6	852.0	612.9	493.3	418.5	373.7	358.8	343.8	348.8
30°	6871.1	5904.5	2257.2	911.8	622.8	478.3	398.6	358.8	343.8	323.9	323.9
32.5°	7613.5	6472.5	2242.2	1021.4	657.7	468.4	378.7	338.8	323.9	308.9	308.9
35°	8375.9	6990.7	2326.9	1165.9	727.5	453.4	353.8	318.9	303.9	294.0	289.0
37.5°	9103.4	7404.3	2406.6	1255.6	687.6	388.6	323.9	294.0	279.0	259.1	259.1
40°	9586.7	7628.5	2421.6	1185.9	568.0	348.8	294.0	264.1	244.2	234.2	229.2
42.5°	9940.4	7773.0	2252.2	961.7	493.3	318.9	269.1	239.2	224.2	214.3	214.3
45°	10084.9	7723.2	1963.2	732.5	453.4	294.0	244.2	219.2	209.3	199.3	199.3
47.5°	10065.0	7493.9	1669.2	588.0	413.6	269.1	229.2	209.3	199.3	189.3	184.4
50°	10030.1	7279.7	1370.2	523.2	368.7	254.1	214.3	199.3	184.4	174.4	169.4
52.5°	10259.3	7209.9	1136.1	478.3	343.8	244.2	209.3	189.3	174.4	164.4	164.4
55°	10488.5	7239.8	891.9	448.4	318.9	239.2	204.3	184.4	169.4	154.5	154.5
57.5°	10473.6	7110.3	677.6	418.5	299.0	234.2	199.3	179.4	154.5	144.5	144.5
60°	*9521.9*	*6342.9*	*528.2*	*383.7*	*274.0*	*219.2*	*184.4*	*169.4*	*144.5*	*129.5*	*129.5*
62.5°	8052.0	4987.7	433.5	338.8	244.2	199.3	169.4	154.5	129.5	104.6	104.6
65°	5949.3	3597.5	348.8	294.0	224.2	174.4	154.5	134.5	104.6	84.7	79.7
67.5°	4026.0	2212.3	279.0	244.2	199.3	149.5	129.5	114.6	94.7	69.8	64.8
70°	2386.7	1175.9	204.3	169.4	149.5	109.6	109.6	99.7	79.7	59.8	54.8
72.5°	1136.1	408.6	149.5	124.6	114.6	79.7	84.7	84.7	64.8	44.8	39.9
75°	578.0	199.3	99.7	89.7	74.7	59.8	69.8	64.8	44.8	29.9	29.9
77.5°	328.9	139.5	69.8	59.8	49.8	39.9	44.8	39.9	24.9	14.9	14.9
80°	184.4	99.7	44.8	39.9	29.9	24.9	24.9	19.9	14.9	5.0	5.0
82.5°	69.8	59.8	29.9	19.9	14.9	14.9	10.0	10.0	5.0	0.0	0.0
85°	29.9	14.9	14.9	10.0	10.0	5.0	5.0	5.0	0.0	0.0	0.0
87.5°	5.0	5.0	5.0	5.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4
2.5°	2860.1	2870.0	2880.0	2919.8	2929.8	2959.7	2984.6	3014.5	3019.5	3059.4	3059.4
5°	2466.4	2461.4	2546.1	2670.7	2750.4	2860.1	2944.8	3034.5	3084.3	3149.1	3178.9
7.5°	1634.3	1758.9	1948.2	2167.5	2451.5	2715.6	2914.9	3089.3	3208.8	3283.6	3313.5
10°	812.2	881.9	1081.2	1440.0	1923.3	2461.4	2885.0	3208.8	3403.2	3487.9	3542.7
12.5°	573.0	588.0	622.8	817.2	1280.5	2042.9	2790.3	3338.4	3607.5	3766.9	3836.7
15°	513.2	523.2	538.1	592.9	792.2	1524.7	2620.9	3482.9	3926.4	4110.7	4200.4
17.5°	473.4	478.3	493.3	538.1	622.8	1036.4	2346.8	3637.4	4310.0	4534.2	4703.6
20°	438.5	438.5	453.4	508.2	578.0	797.2	1953.2	3811.7	4798.3	5122.2	5291.6
22.5°	398.6	408.6	418.5	478.3	563.0	727.5	1584.5	3946.3	5341.4	5735.1	5934.4
25°	368.7	378.7	388.6	448.4	548.1	727.5	1370.2	4031.0	5949.3	6417.7	6691.7
27.5°	343.8	353.8	368.7	428.5	533.1	757.4	1285.5	4055.9	6612.0	7219.9	7588.6
30°	323.9	333.8	348.8	413.6	543.1	792.2	1315.4	4021.0	7284.7	8047.0	8485.5
32.5°	303.9	313.9	328.9	398.6	543.1	837.1	1415.1	3951.3	7937.4	8874.2	9412.3
35°	289.0	294.0	299.0	358.8	493.3	832.1	1539.6	3881.5	8595.1	9691.3	10319.1
37.5°	259.1	264.1	274.0	308.9	393.6	757.4	1564.6	3796.8	9113.3	10378.9	11071.5
40°	229.2	239.2	249.1	284.0	328.9	612.9	1454.9	3617.4	9387.4	10907.1	11749.2
42.5°	209.3	214.3	224.2	259.1	303.9	488.3	1220.8	3303.5	9631.5	11265.8	12242.4
45°	194.3	199.3	209.3	234.2	284.0	423.5	961.7	2919.8	9651.4	11380.4	12481.6
47.5°	179.4	184.4	189.3	214.3	274.0	378.7	737.4	2571.1	9646.5	11529.9	12685.9
50°	169.4	174.4	184.4	204.3	259.1	338.8	607.9	2287.0	9855.7	11853.8	13099.5
52.5°	164.4	164.4	179.4	199.3	244.2	308.9	508.2	2032.9	9965.4	12172.7	13398.4
55°	154.5	159.4	169.4	189.3	229.2	294.0	433.5	1714.0	10015.2	12332.1	13453.2
57.5°	144.5	149.5	164.4	179.4	219.2	279.0	373.7	1280.5	9302.7	11500.0	12536.4
60°	*129.5*	*139.5*	*159.4*	*174.4*	*204.3*	*254.1*	*328.9*	*867.0*	*7847.7*	*9995.3*	*10862.2*
62.5°	104.6	124.6	144.5	154.5	184.4	214.3	279.0	578.0	6268.2	8271.2	9257.8
65°	79.7	104.6	119.6	134.5	154.5	179.4	234.2	393.6	4180.5	5565.7	6676.8
67.5°	69.8	89.7	99.7	109.6	129.5	154.5	189.3	274.0	2536.2	3343.4	4439.6
70°	54.8	74.7	84.7	79.7	99.7	119.6	134.5	184.4	1295.5	1813.7	2526.2
72.5°	39.9	59.8	64.8	64.8	59.8	84.7	99.7	129.5	563.0	881.9	1146.0
75°	29.9	39.9	44.8	39.9	34.9	54.8	69.8	84.7	368.7	528.2	667.7
77.5°	14.9	14.9	24.9	24.9	14.9	29.9	34.9	49.8	209.3	308.9	383.7
80°	5.0	0.0	0.0	5.0	0.0	10.0	14.9	24.9	109.6	164.4	239.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	54.8	49.8	124.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	29.9
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: P1501818
CATALOG NUMBER: GSS-SB4B-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3049.4	*3049.4*	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4
2.5°	3084.3	*3084.3*	3104.2	3134.1	3149.1	3159.0	3164.0	3174.0	3213.8	3203.9
5°	3213.8	*3223.8*	3238.7	3268.6	3303.5	3293.6	3293.6	3293.6	3318.5	3298.5
7.5°	3383.2	*3413.1*	3418.1	3453.0	3428.1	3378.3	3348.4	3303.5	3298.5	3298.5
10°	3657.3	*3647.3*	3647.3	3602.5	3512.8	3368.3	3238.7	3149.1	3099.2	3104.2
12.5°	3951.3	*3911.4*	3916.4	3752.0	3497.8	3178.9	2914.9	2720.5	2705.6	2690.6
15°	4315.0	*4210.4*	4190.4	3811.7	3273.6	2785.3	2526.2	2371.8	2321.9	2307.0
17.5°	4833.2	*4569.1*	4474.4	3707.1	2979.6	2541.2	2346.8	2277.1	2272.1	2267.1
20°	5381.3	*4858.1*	4678.7	3552.6	2880.0	2546.1	2401.7	2381.7	2371.8	2376.7
22.5°	6019.1	*5042.5*	4813.3	3577.6	2969.7	2710.6	2596.0	2581.0	2571.1	2581.0
25°	6676.8	*5256.7*	4972.7	3776.9	3238.7	3014.5	2880.0	2850.1	2880.0	2924.8
27.5°	7339.5	*5545.7*	5286.6	4170.5	3672.2	3428.1	3298.5	3408.2	3453.0	3458.0
30°	7927.4	*5949.3*	5710.1	4723.6	4165.5	3921.4	3946.3	4085.8	4140.6	4195.4
32.5°	8465.6	*6487.4*	6303.1	5351.4	4803.3	4658.8	4643.9	4748.5	4808.3	4773.4
35°	9008.7	*7190.0*	7010.6	6034.0	5585.6	5466.0	5341.4	5545.7	5525.8	5471.0
37.5°	9521.9	*7897.5*	7733.1	6766.5	6303.1	6093.8	6073.9	6258.2	6422.7	6412.7
40°	9890.6	*8470.6*	8271.2	7493.9	7055.5	6876.1	6980.7	7299.6	7259.8	7205.0
42.5°	10229.4	*8958.9*	8779.5	8131.7	7673.3	7753.0	7847.7	8062.0	8037.1	7982.3
45°	10388.9	*9377.4*	9222.9	8615.1	8390.8	8644.9	8640.0	8719.7	8585.2	8565.2
47.5°	10613.1	*9676.4*	9516.9	9048.5	9247.9	9352.5	9058.5	8973.8	8849.2	8749.6
50°	11026.7	*10139.8*	9980.3	9706.3	9875.7	9551.8	9193.0	9008.7	8754.6	8580.2
52.5°	11510.0	*10842.3*	10702.8	10593.2	10119.8	9452.1	8993.7	8659.9	8351.0	8201.5
55°	12117.9	*11878.7*	11779.1	11176.1	9900.6	9043.6	8505.4	7882.6	7459.1	7319.6
57.5°	12317.2	*13398.4*	13363.5	11270.8	9287.7	8301.1	7329.5	6487.4	6049.0	5959.3
60°	*11729.2*	*14589.3*	*14464.7*	*11111.4*	*8176.6*	*6736.6*	*5600.5*	*4738.5*	*4026.0*	*3921.4*
62.5°	10976.8	*13677.5*	13632.6	10309.2	6228.3	4828.2	4185.4	3378.3	3074.3	2994.6
65°	9402.3	*11191.1*	11211.0	8271.2	3941.3	3467.9	3438.0	2685.7	2312.0	2252.2
67.5°	7239.8	*8585.2*	8445.6	5201.9	2297.0	2775.4	2745.5	1963.2	1420.1	1380.2
70°	4230.3	*6392.8*	6168.6	2705.6	1519.7	2316.9	2112.7	1380.2	966.6	921.8
72.5°	1868.5	*3517.8*	3776.9	1190.9	1071.3	1843.6	1524.7	847.1	543.1	533.1
75°	1036.4	*1743.9*	1823.7	518.2	752.4	1310.4	921.8	473.4	308.9	303.9
77.5°	622.8	*772.3*	752.4	333.8	563.0	837.1	558.1	269.1	194.3	184.4
80°	348.8	*353.8*	299.0	244.2	333.8	468.4	313.9	169.4	89.7	89.7
82.5°	214.3	*194.3*	154.5	74.7	89.7	284.0	114.6	94.7	29.9	29.9
85°	89.7	*59.8*	39.9	14.9	34.9	74.7	39.9	44.8	14.9	14.9
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

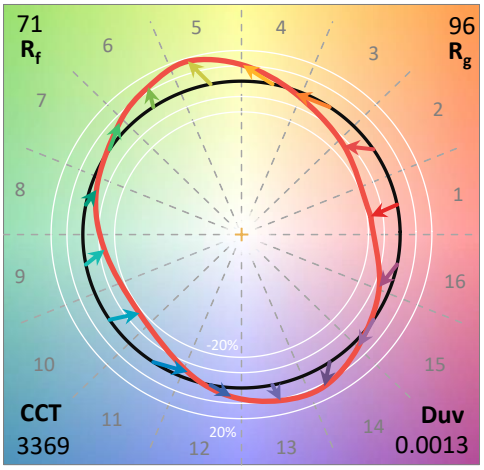
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

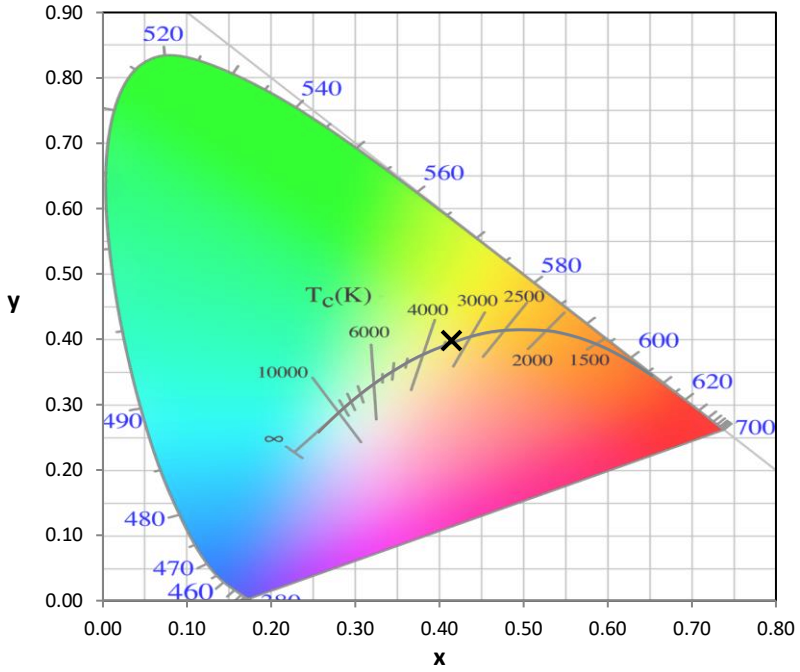
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

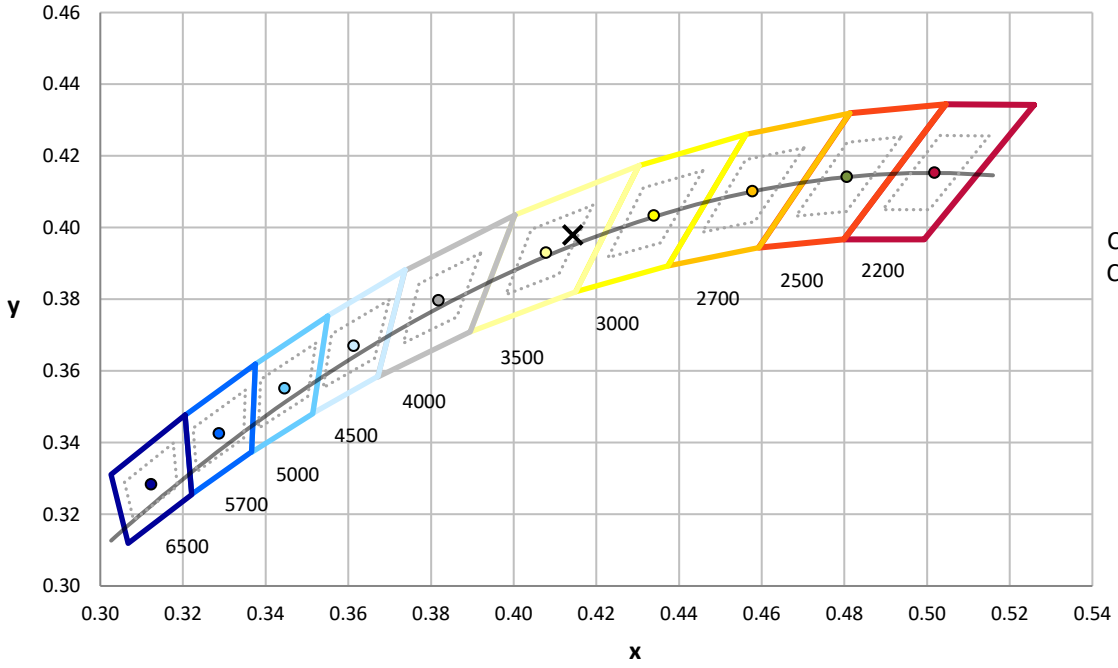
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

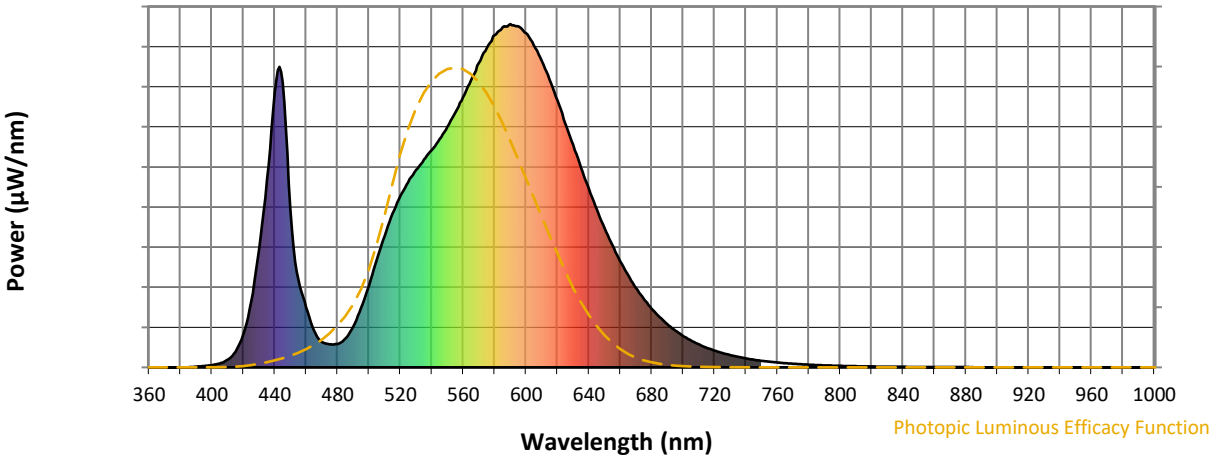


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

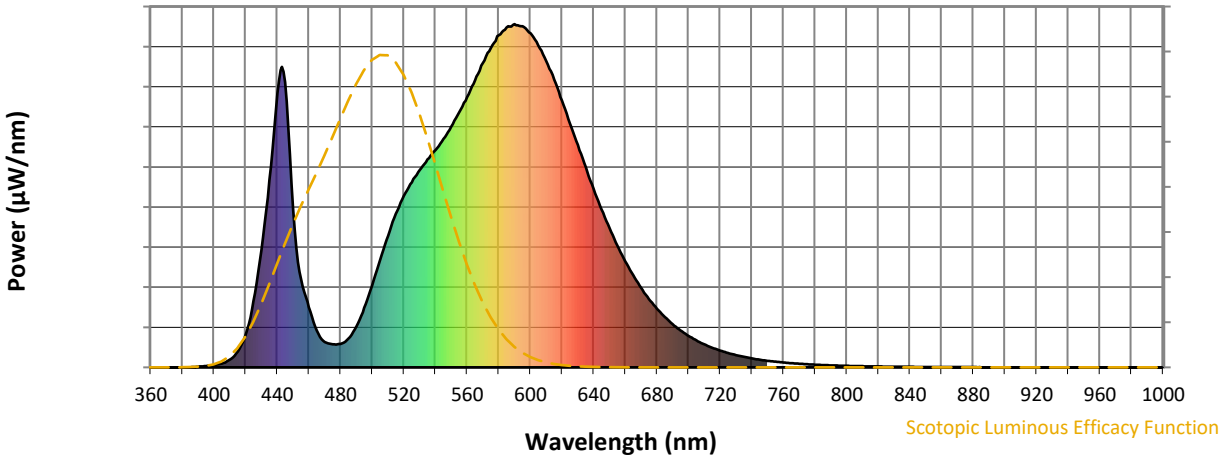


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

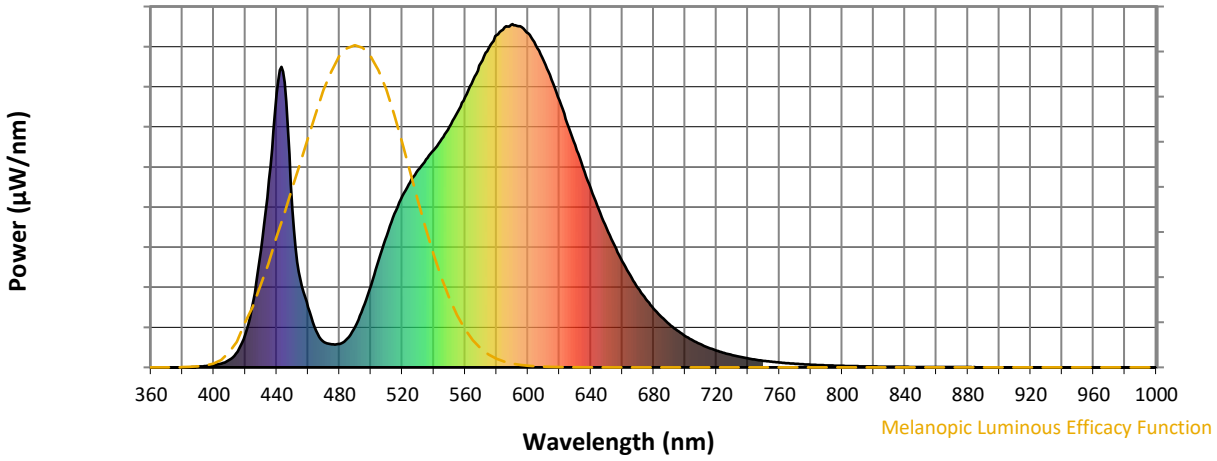


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

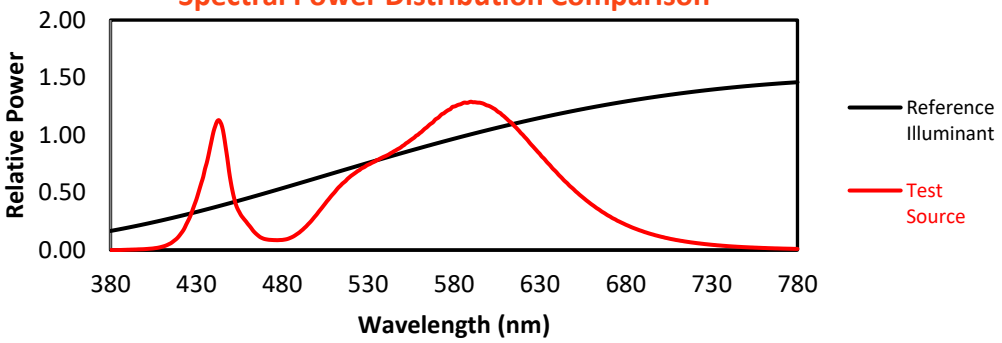
REPORT NUMBER: SP1-2407-184-5

TM-30-18

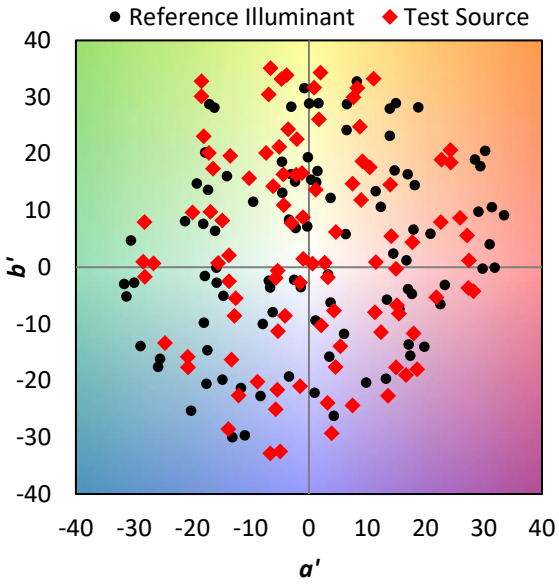
Summary

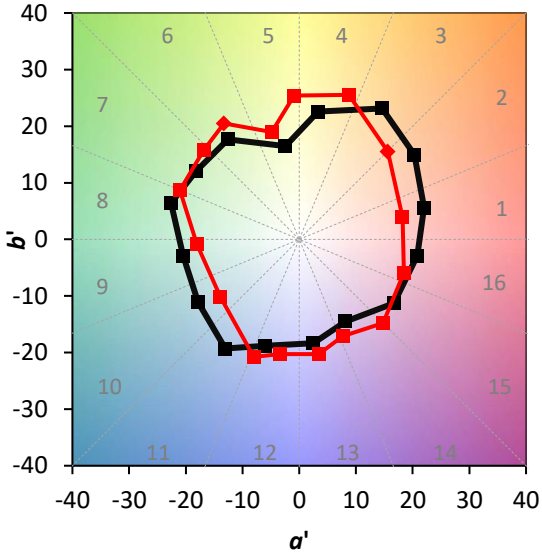
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

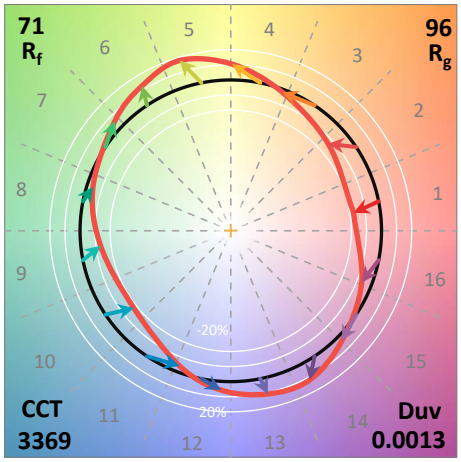
Spectral Power Distribution Comparison

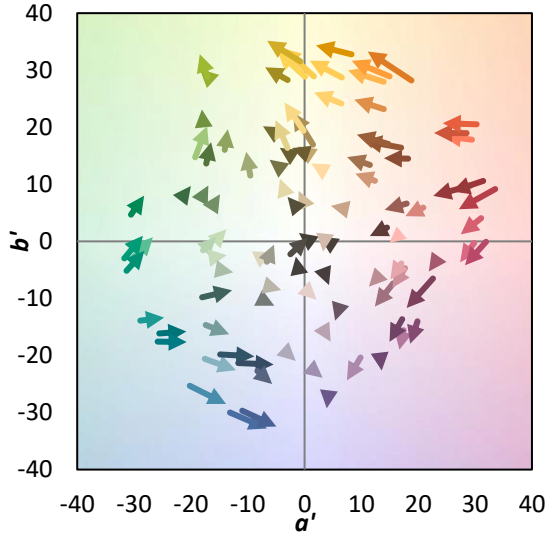


Color Vector Graphics







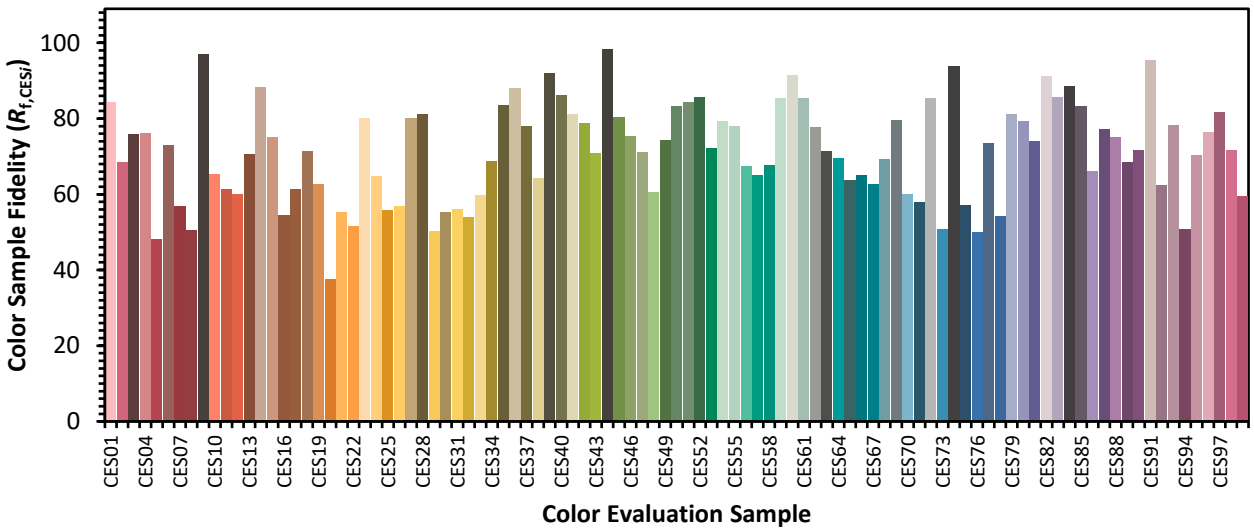


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Individual Sample Fidelity Index ($R_{f,i}$)

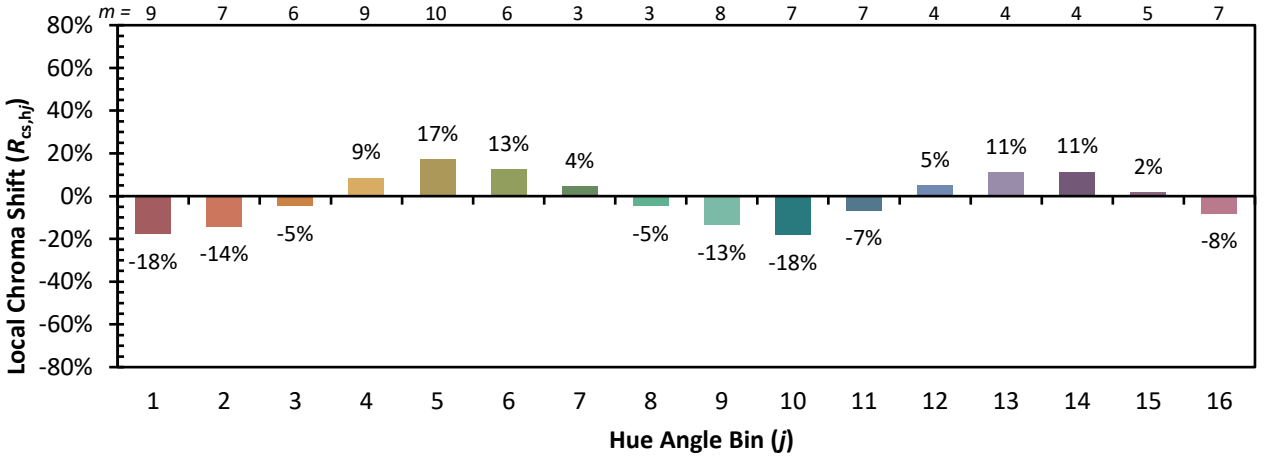
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

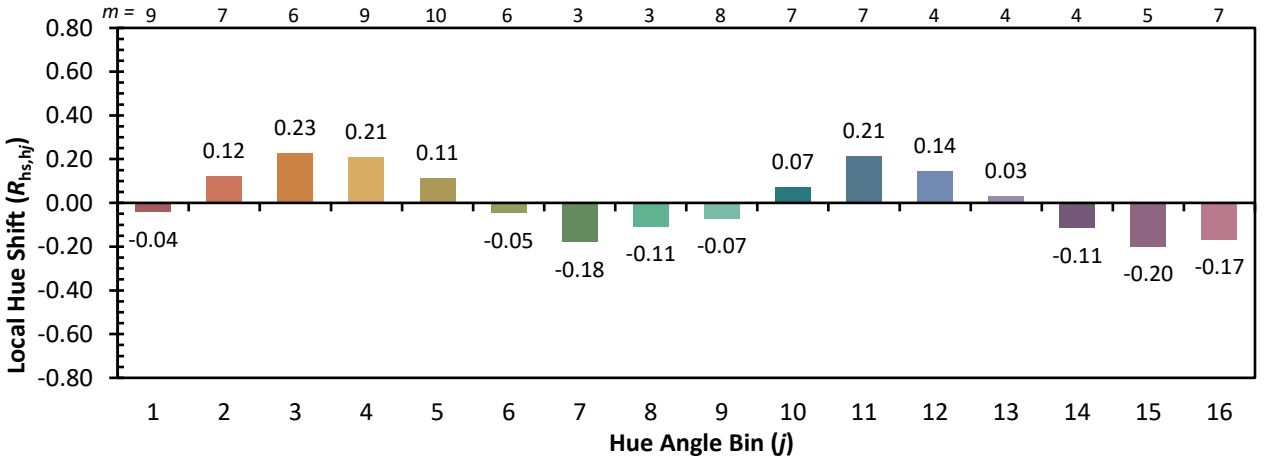


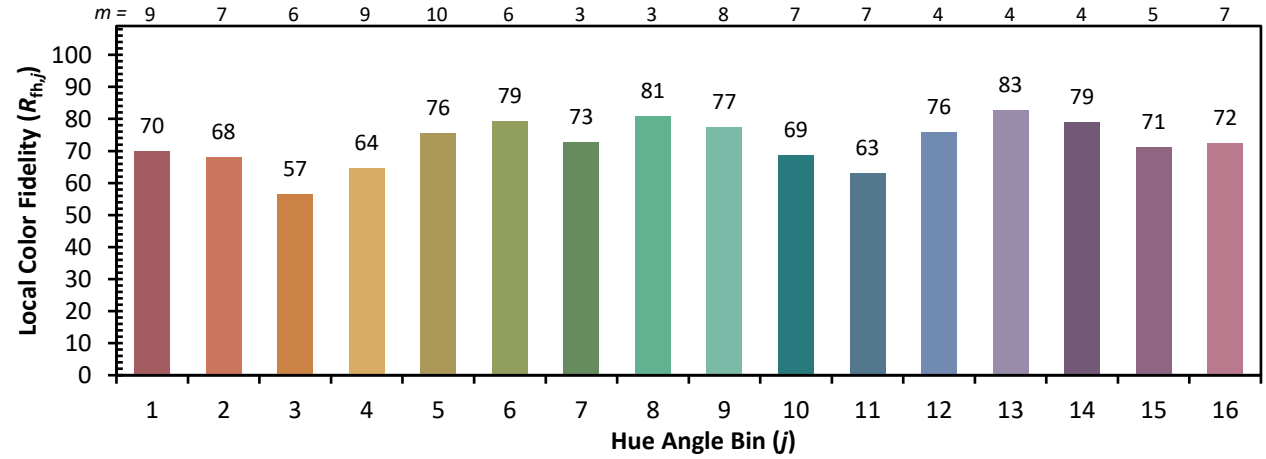
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Color Rendition by Hue-Angle Bin



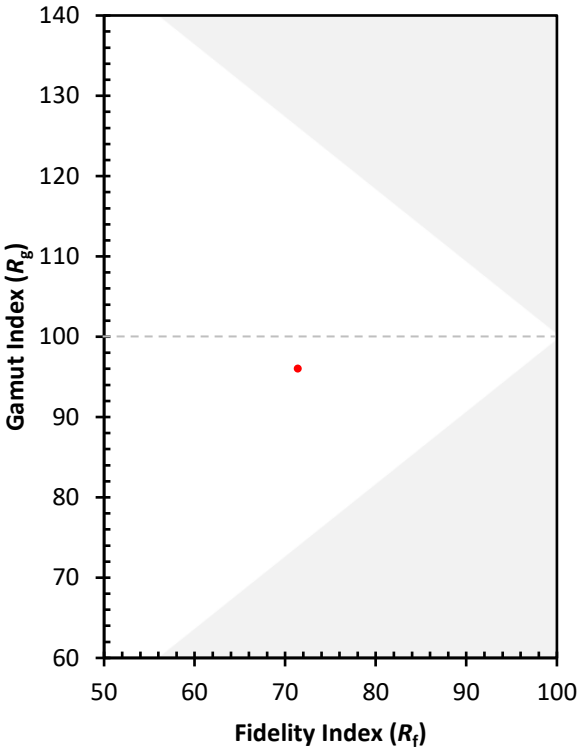


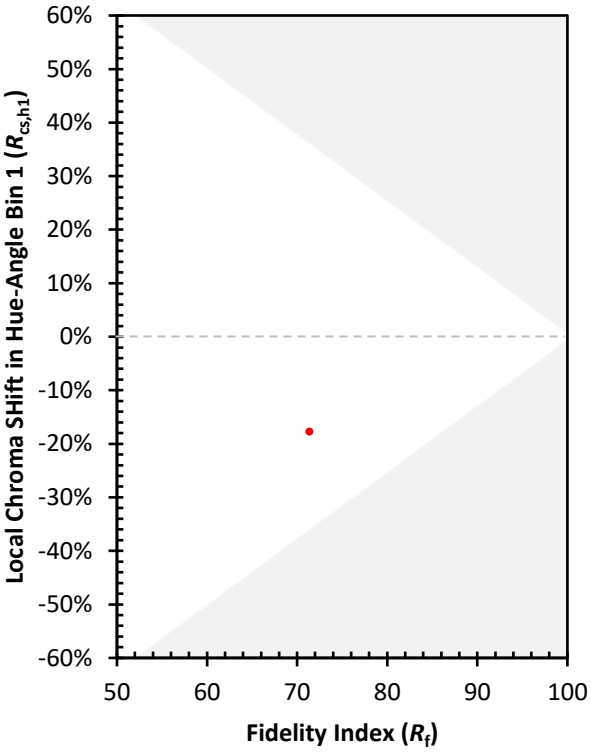


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Measure Comparisons





(END OF REPORT)