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: P1501965

Luminaire Tested: GSS-SB5A-840-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501965
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-840-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16877.5 lumens
Efficiency:	N/A
Efficacy:	118.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

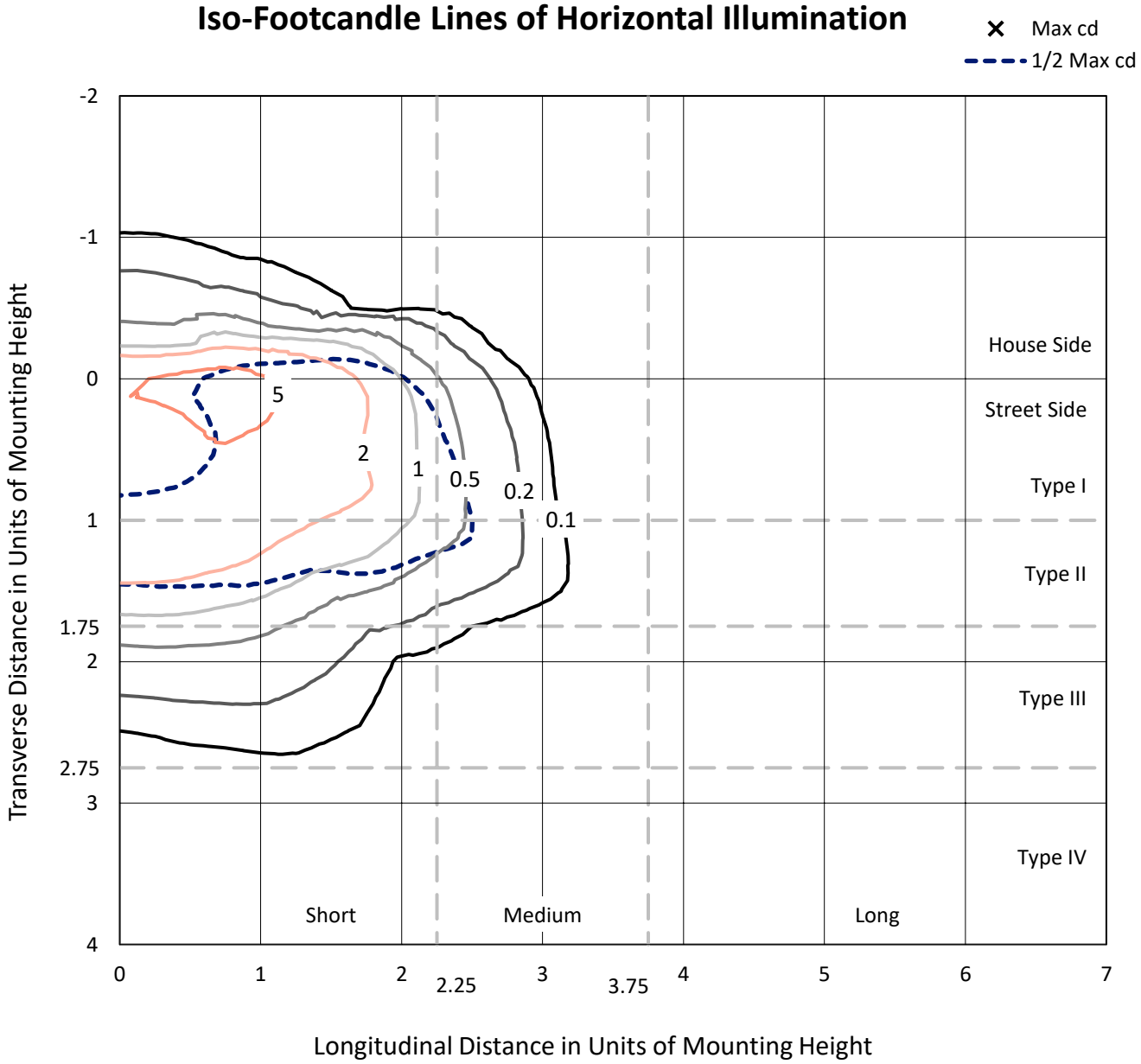
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



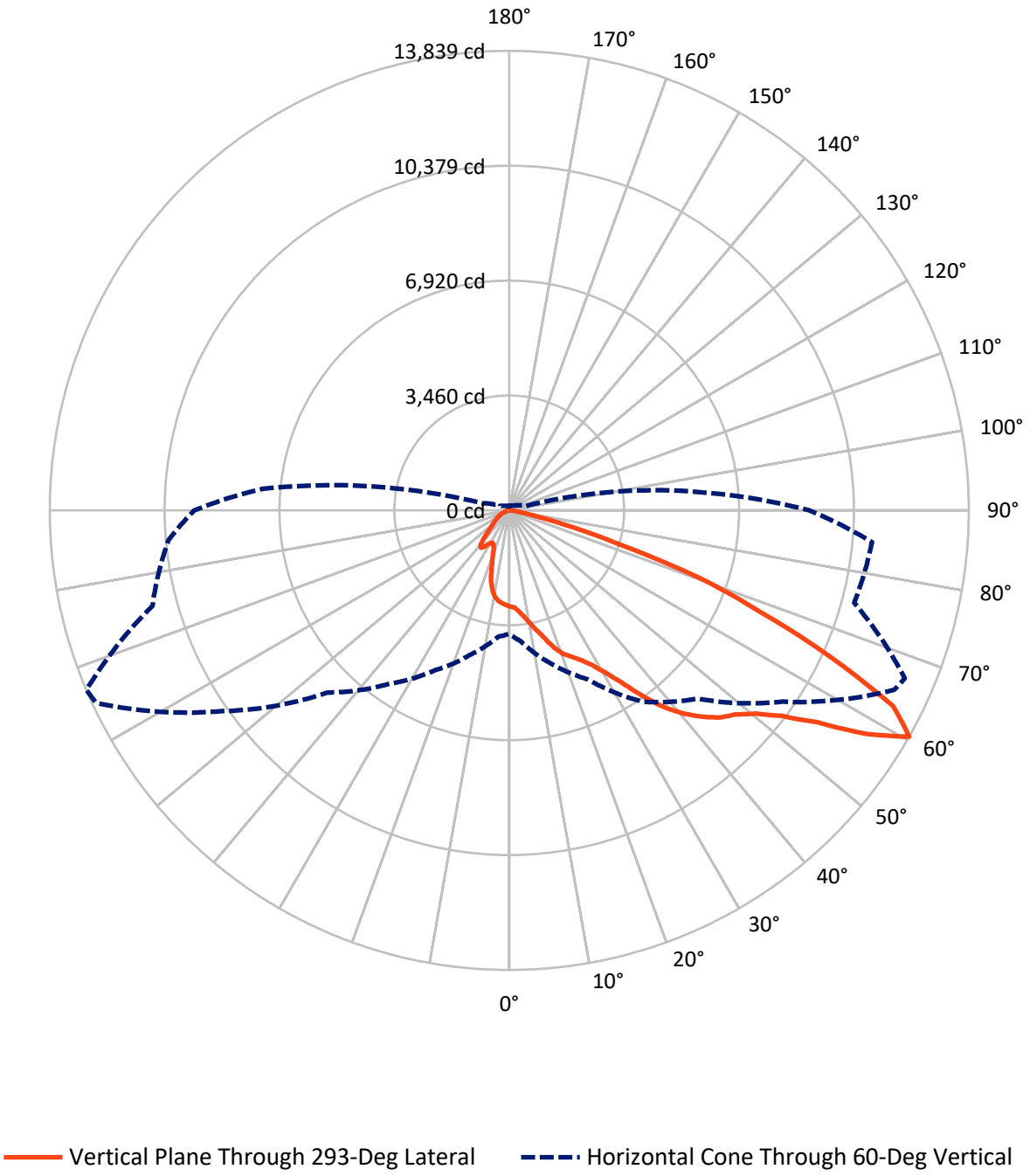
Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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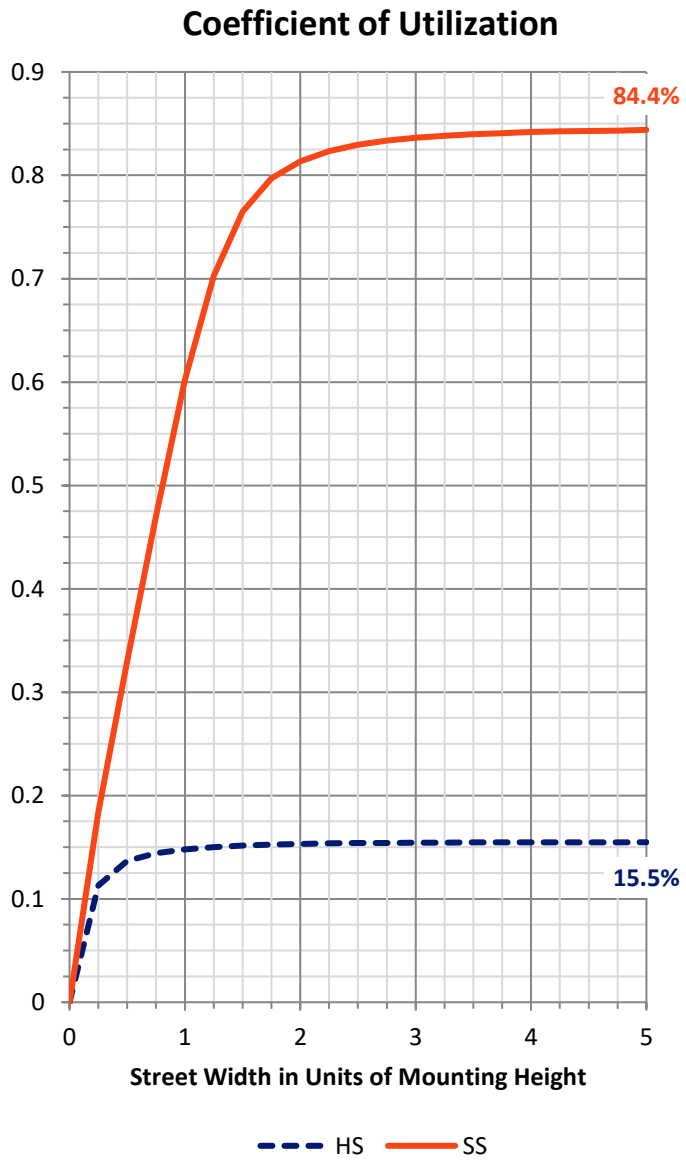
REPORT NUMBER: P1501965
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2633.3	0.0	2633.3
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	14244.2	0.0	14244.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	16877.5	0.0	16877.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.9	1.6
10°-20°	659.7	3.9
20°-30°	1231.5	7.3
30°-40°	2442.1	14.5
40°-50°	3893.6	23.1
50°-60°	4651.9	27.6
60°-70°	3049.6	18.1
70°-80°	638.9	3.8
80°-90°	48.3	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°	16877.5	100.0
0°-180°	16877.5	100.0



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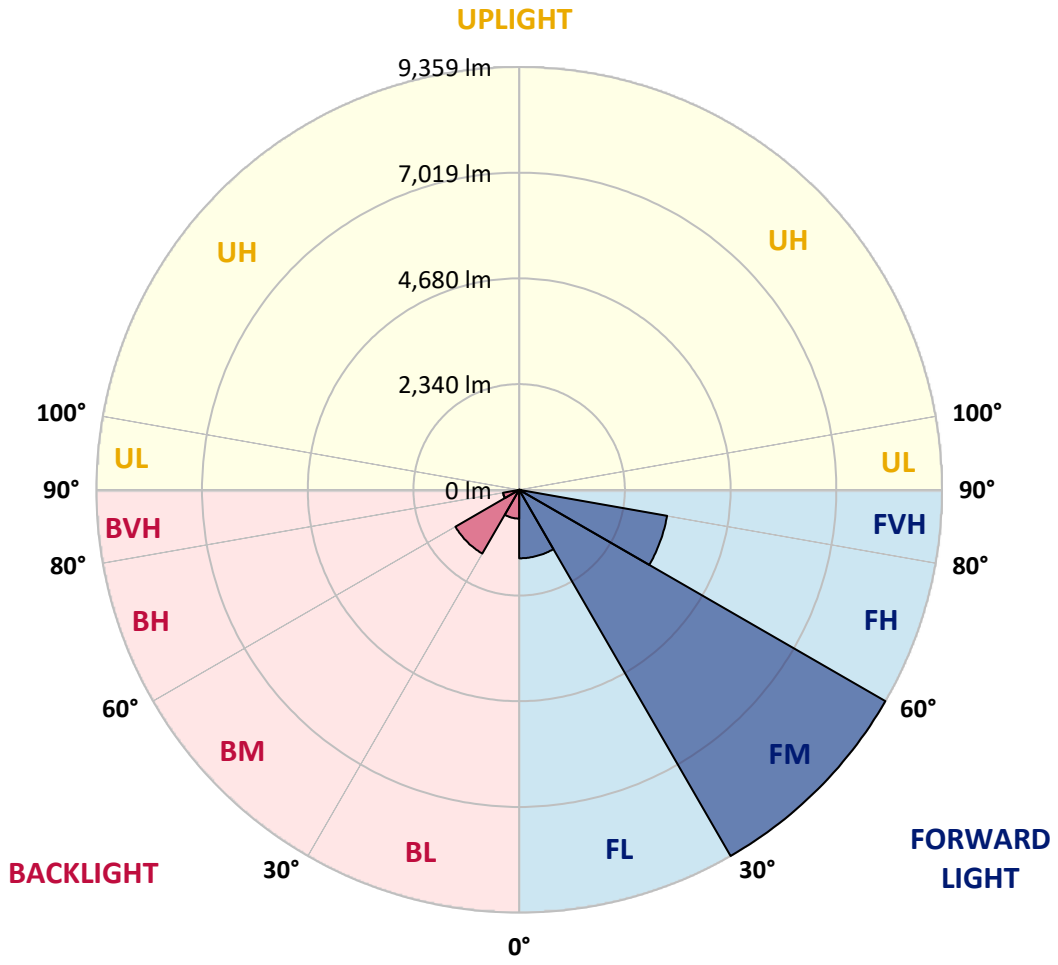
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1515.9	9.0			
FM	(30°-60°)	9359.2	55.5			
FH	(60°-80°)	3324.8	19.7			G2/5000
FVH	(80°-90°)	44.3	0.3			G1/100
BL	(0°-30°)	637.1	3.8	B2/1000		
BM	(30°-60°)	1628.4	9.6	B2/2500		
BH	(60°-80°)	363.8	2.2	B1/500		G1/500
BVH	(80°-90°)	4.0	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°	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6
2.5°	3039.2	3029.7	3015.5	3020.3	3015.5	2996.6	2968.3	2944.6	2963.5	2935.2	2916.3
5°	3129.0	3129.0	3119.5	3119.5	3124.2	3114.8	3095.9	3062.8	3067.5	3043.9	2982.4
7.5°	3129.0	3114.8	3138.4	3162.1	3204.6	3228.2	3237.7	3218.8	3228.2	3181.0	3100.6
10°	2944.6	2935.2	2996.6	3086.4	3209.3	3318.0	3388.9	3393.7	3407.8	3360.6	3266.0
12.5°	2552.3	2533.4	2656.3	2826.5	3077.0	3327.5	3526.0	3601.6	3634.7	3615.8	3483.5
15°	2188.4	2212.0	2297.1	2481.4	2817.0	3199.9	3601.6	3852.1	3899.4	3923.0	3767.0
17.5°	2150.6	2155.3	2183.7	2273.5	2528.7	2991.9	3611.1	4112.1	4178.3	4282.2	4069.5
20°	2254.6	2245.1	2273.5	2301.8	2424.7	2807.6	3521.3	4362.6	4490.2	4712.4	4480.8
22.5°	2448.3	2448.3	2462.5	2481.4	2542.9	2793.4	3483.5	4594.2	4811.6	5265.4	4995.9
25°	2774.5	2736.7	2746.1	2722.5	2774.5	2963.5	3568.5	4778.5	5076.3	5879.8	5610.4
27.5°	3280.2	3294.4	3209.3	3081.7	3110.1	3270.8	3776.5	4986.5	5350.4	6517.9	6234.3
30°	3979.7	3956.1	3904.1	3653.6	3540.2	3682.0	4159.3	5326.8	5719.1	7326.1	7066.2
32.5°	4528.0	4594.2	4504.4	4329.5	4154.6	4197.2	4698.2	5875.1	6168.1	8068.2	7926.4
35°	5189.7	5189.7	5208.6	4962.9	4844.7	4835.2	5374.1	6470.6	6763.7	8739.4	8838.6
37.5°	6083.0	6021.6	5917.6	5643.5	5553.7	5671.8	6007.4	7085.1	7401.8	9282.9	9547.6
40°	6834.6	6877.1	6862.9	6465.9	6291.0	6418.6	6716.4	7609.7	7855.5	9632.7	10119.5
42.5°	7571.9	7595.5	7534.1	7345.0	7089.8	7099.3	7345.0	8006.7	8257.3	9968.3	10658.3
45°	8124.9	8120.2	8077.6	8030.4	7879.1	7723.2	7765.7	8446.3	8663.7	10077.0	10951.4
47.5°	8299.8	8337.6	8375.4	8507.8	8611.7	8366.0	8148.5	8682.6	8881.2	10058.1	11060.1
50°	8139.1	8219.4	8403.8	8602.3	8956.8	8937.9	8469.9	8937.9	9131.7	10162.0	11187.7
52.5°	7779.9	7860.2	8106.0	8465.2	8999.3	9264.0	9065.5	9368.0	9594.9	10426.7	11452.4
55°	6943.3	6976.4	7482.1	7954.8	8786.6	9122.2	9703.6	10095.9	10284.9	10748.1	11802.2
57.5°	5652.9	5733.3	6229.6	7000.0	8191.1	8748.8	10067.5	11339.0	11334.2	11055.4	11877.8
60°	*3719.8*	*3956.1*	*4764.3*	*5615.1*	*7037.8*	*8016.2*	*10043.9*	*12794.7*	*12941.2*	*10752.9*	*10965.6*
62.5°	2840.6	2939.9	3398.4	4107.4	5208.6	6645.5	9887.9	13229.6	13343.0	9939.9	9599.6
65°	2136.4	2259.3	2698.9	3332.2	3677.2	4504.4	8867.0	11499.7	11655.6	8871.7	7463.2
67.5°	1309.2	1408.5	1994.6	2736.7	2783.9	2798.1	5983.8	8711.0	8767.7	7156.0	5024.3
70°	874.4	973.7	1380.1	2103.3	2216.7	1611.7	3284.9	6593.5	6588.8	4896.7	3053.3
72.5°	505.7	553.0	874.4	1550.3	1744.1	1025.7	1640.1	4192.4	4008.1	2301.8	1427.4
75°	288.3	321.4	482.1	997.3	1224.2	652.3	647.5	2245.1	1985.1	1186.4	779.9
77.5°	174.9	189.1	264.7	652.3	737.3	439.6	359.2	1044.6	1006.8	694.8	411.2
80°	85.1	99.3	160.7	382.8	472.7	236.3	217.4	411.2	439.6	382.8	217.4
82.5°	28.4	37.8	89.8	146.5	307.2	94.5	89.8	226.9	241.1	226.9	104.0
85°	14.2	18.9	42.5	47.3	118.2	47.3	33.1	99.3	122.9	75.6	42.5
87.5°	0.0	4.7	4.7	4.7	4.7	4.7	4.7	9.5	9.5	9.5	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6
2.5°	2902.1	2892.6	2873.7	2840.6	2835.9	2812.3	2774.5	2750.8	2731.9	2746.1	2750.8
5°	2954.1	2930.5	2873.7	2783.9	2689.4	2594.9	2505.1	2401.1	2330.2	2320.7	2301.8
7.5°	3048.6	3001.3	2878.5	2703.6	2462.5	2235.6	1971.0	1715.7	1588.1	1569.2	1526.7
10°	3199.9	3119.5	2916.3	2561.8	2098.6	1625.9	1224.2	950.0	794.1	765.7	775.2
12.5°	3379.5	3266.0	2921.0	2320.7	1597.6	1006.8	694.8	590.8	557.7	543.6	543.6
15°	3611.1	3445.6	2916.3	2008.8	1077.6	647.5	557.7	515.2	501.0	491.6	491.6
17.5°	3904.1	3686.7	2883.2	1540.8	727.9	562.5	510.5	477.4	458.5	453.7	453.7
20°	4249.2	3956.1	2807.6	1148.5	609.7	524.6	482.1	439.6	425.4	415.9	415.9
22.5°	4688.7	4282.2	2661.0	893.3	576.6	501.0	453.7	406.5	392.3	382.8	382.8
25°	5199.2	4698.2	2467.3	803.5	571.9	482.1	425.4	378.1	363.9	359.2	354.5
27.5°	5804.2	5142.5	2287.6	808.2	581.4	467.9	397.0	354.5	340.3	326.1	330.9
30°	6517.9	5600.9	2141.1	865.0	590.8	453.7	378.1	340.3	326.1	307.2	307.2
32.5°	7222.1	6139.8	2126.9	968.9	623.9	444.3	359.2	321.4	307.2	293.0	293.0
35°	7945.3	6631.3	2207.3	1106.0	690.1	430.1	335.6	302.5	288.3	278.9	274.1
37.5°	8635.4	7023.6	2282.9	1191.1	652.3	368.7	307.2	278.9	264.7	245.8	245.8
40°	9093.8	7236.3	2297.1	1124.9	538.8	330.9	278.9	250.5	231.6	222.1	217.4
42.5°	9429.4	7373.4	2136.4	912.2	467.9	302.5	255.2	226.9	212.7	203.2	203.2
45°	9566.5	7326.1	1862.3	694.8	430.1	278.9	231.6	208.0	198.5	189.1	189.1
47.5°	9547.6	7108.7	1583.4	557.7	392.3	255.2	217.4	198.5	189.1	179.6	174.9
50°	9514.5	6905.5	1299.8	496.3	349.8	241.1	203.2	189.1	174.9	165.4	160.7
52.5°	9731.9	6839.3	1077.6	453.7	326.1	231.6	198.5	179.6	165.4	156.0	156.0
55°	9949.4	6867.7	846.0	425.4	302.5	226.9	193.8	174.9	160.7	146.5	146.5
57.5°	9935.2	6744.8	642.8	397.0	283.6	222.1	189.1	170.2	146.5	137.1	137.1
60°	*9032.4*	*6016.9*	*501.0*	*363.9*	*260.0*	*208.0*	*174.9*	*160.7*	*137.1*	*122.9*	*122.9*
62.5°	7638.1	4731.3	411.2	321.4	231.6	189.1	160.7	146.5	122.9	99.3	99.3
65°	5643.5	3412.6	330.9	278.9	212.7	165.4	146.5	127.6	99.3	80.4	75.6
67.5°	3819.0	2098.6	264.7	231.6	189.1	141.8	122.9	108.7	89.8	66.2	61.4
70°	2264.0	1115.5	193.8	160.7	141.8	104.0	104.0	94.5	75.6	56.7	52.0
72.5°	1077.6	387.6	141.8	118.2	108.7	75.6	80.4	80.4	61.4	42.5	37.8
75°	548.3	189.1	94.5	85.1	70.9	56.7	66.2	61.4	42.5	28.4	28.4
77.5°	312.0	132.3	66.2	56.7	47.3	37.8	42.5	37.8	23.6	14.2	14.2
80°	174.9	94.5	42.5	37.8	28.4	23.6	23.6	18.9	14.2	4.7	4.7
82.5°	66.2	56.7	28.4	18.9	14.2	14.2	9.5	9.5	4.7	0.0	0.0
85°	28.4	14.2	14.2	9.5	9.5	4.7	4.7	4.7	0.0	0.0	0.0
87.5°	4.7	4.7	4.7	4.7	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°	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6
2.5°	2713.0	2722.5	2731.9	2769.7	2779.2	2807.6	2831.2	2859.6	2864.3	2902.1	2902.1
5°	2339.6	2334.9	2415.3	2533.4	2609.0	2713.0	2793.4	2878.5	2925.7	2987.2	3015.5
7.5°	1550.3	1668.5	1848.1	2056.0	2325.5	2576.0	2765.0	2930.5	3043.9	3114.8	3143.1
10°	770.4	836.6	1025.7	1366.0	1824.4	2334.9	2736.7	3043.9	3228.2	3308.6	3360.6
12.5°	543.6	557.7	590.8	775.2	1214.7	1937.9	2646.9	3166.8	3422.0	3573.3	3639.4
15°	486.8	496.3	510.5	562.5	751.5	1446.3	2486.2	3303.8	3724.5	3899.4	3984.5
17.5°	449.0	453.7	467.9	510.5	590.8	983.1	2226.2	3450.4	4088.5	4301.1	4461.8
20°	415.9	415.9	430.1	482.1	548.3	756.2	1852.8	3615.8	4551.7	4858.9	5019.6
22.5°	378.1	387.6	397.0	453.7	534.1	690.1	1503.0	3743.4	5066.8	5440.2	5629.3
25°	349.8	359.2	368.7	425.4	519.9	690.1	1299.8	3823.8	5643.5	6087.8	6347.7
27.5°	326.1	335.6	349.8	406.5	505.7	718.4	1219.4	3847.4	6272.1	6848.7	7198.5
30°	307.2	316.7	330.9	392.3	515.2	751.5	1247.8	3814.3	6910.2	7633.4	8049.3
32.5°	288.3	297.8	312.0	378.1	515.2	794.1	1342.3	3748.1	7529.4	8418.0	8928.4
35°	274.1	278.9	283.6	340.3	467.9	789.3	1460.5	3682.0	8153.3	9193.1	9788.6
37.5°	245.8	250.5	260.0	293.0	373.4	718.4	1484.1	3601.6	8644.8	9845.4	10502.4
40°	217.4	226.9	236.3	269.4	312.0	581.4	1380.1	3431.5	8904.8	10346.4	11145.2
42.5°	198.5	203.2	212.7	245.8	288.3	463.2	1158.0	3133.7	9136.4	10686.7	11613.1
45°	184.3	189.1	198.5	222.1	269.4	401.8	912.2	2769.7	9155.3	10795.4	11840.0
47.5°	170.2	174.9	179.6	203.2	260.0	359.2	699.5	2438.9	9150.6	10937.2	12033.8
50°	160.7	165.4	174.9	193.8	245.8	321.4	576.6	2169.5	9349.1	11244.4	12426.1
52.5°	156.0	156.0	170.2	189.1	231.6	293.0	482.1	1928.4	9453.1	11546.9	12709.6
55°	146.5	151.2	160.7	179.6	217.4	278.9	411.2	1625.9	9500.3	11698.2	12761.6
57.5°	137.1	141.8	156.0	170.2	208.0	264.7	354.5	1214.7	8824.4	10908.8	11892.0
60°	*122.9*	*132.3*	*151.2*	*165.4*	*193.8*	*241.1*	*312.0*	*822.4*	*7444.3*	*9481.4*	*10303.8*
62.5°	99.3	118.2	137.1	146.5	174.9	203.2	264.7	548.3	5946.0	7846.0	8781.9
65°	75.6	99.3	113.4	127.6	146.5	170.2	222.1	373.4	3965.6	5279.5	6333.6
67.5°	66.2	85.1	94.5	104.0	122.9	146.5	179.6	260.0	2405.8	3171.5	4211.3
70°	52.0	70.9	80.4	75.6	94.5	113.4	127.6	174.9	1228.9	1720.5	2396.4
72.5°	37.8	56.7	61.4	61.4	56.7	80.4	94.5	122.9	534.1	836.6	1087.1
75°	28.4	37.8	42.5	37.8	33.1	52.0	66.2	80.4	349.8	501.0	633.4
77.5°	14.2	14.2	23.6	23.6	14.2	28.4	33.1	47.3	198.5	293.0	363.9
80°	4.7	0.0	0.0	4.7	0.0	9.5	14.2	23.6	104.0	156.0	226.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	52.0	47.3	118.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	28.4
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: P1501965
CATALOG NUMBER: GSS-SB5A-840-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2892.6	*2892.6*	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6	2892.6
2.5°	2925.7	*2925.7*	2944.6	2973.0	2987.2	2996.6	3001.3	3010.8	3048.6	3039.2
5°	3048.6	*3058.1*	3072.2	3100.6	3133.7	3124.2	3124.2	3124.2	3147.9	3129.0
7.5°	3209.3	*3237.7*	3242.4	3275.5	3251.9	3204.6	3176.2	3133.7	3129.0	3129.0
10°	3469.3	*3459.8*	3459.8	3417.3	3332.2	3195.1	3072.2	2987.2	2939.9	2944.6
12.5°	3748.1	*3710.3*	3715.1	3559.1	3318.0	3015.5	2765.0	2580.7	2566.5	2552.3
15°	4093.2	*3993.9*	3975.0	3615.8	3105.3	2642.1	2396.4	2249.8	2202.6	2188.4
17.5°	4584.7	*4334.2*	4244.4	3516.5	2826.5	2410.5	2226.2	2160.0	2155.3	2150.6
20°	5104.7	*4608.4*	4438.2	3370.0	2731.9	2415.3	2278.2	2259.3	2249.8	2254.6
22.5°	5709.7	*4783.3*	4565.8	3393.7	2817.0	2571.2	2462.5	2448.3	2438.9	2448.3
25°	6333.6	*4986.5*	4717.1	3582.7	3072.2	2859.6	2731.9	2703.6	2731.9	2774.5
27.5°	6962.2	*5260.6*	5014.9	3956.1	3483.5	3251.9	3129.0	3232.9	3275.5	3280.2
30°	7519.9	*5643.5*	5416.6	4480.8	3951.4	3719.8	3743.4	3875.8	3927.7	3979.7
32.5°	8030.4	*6153.9*	5979.1	5076.3	4556.4	4419.3	4405.1	4504.4	4561.1	4528.0
35°	8545.6	*6820.4*	6650.2	5723.8	5298.4	5185.0	5066.8	5260.6	5241.7	5189.7
37.5°	9032.4	*7491.6*	7335.6	6418.6	5979.1	5780.5	5761.6	5936.5	6092.5	6083.0
40°	9382.2	*8035.1*	7846.0	7108.7	6692.8	6522.6	6621.9	6924.4	6886.6	6834.6
42.5°	9703.6	*8498.3*	8328.2	7713.7	7278.9	7354.5	7444.3	7647.5	7623.9	7571.9
45°	9854.8	*8895.3*	8748.8	8172.2	7959.5	8200.5	8195.8	8271.4	8143.8	8124.9
47.5°	10067.5	*9178.9*	9027.7	8583.4	8772.4	8871.7	8592.8	8512.5	8394.3	8299.8
50°	10459.8	*9618.5*	9467.2	9207.3	9368.0	9060.8	8720.5	8545.6	8304.5	8139.1
52.5°	10918.3	*10284.9*	10152.6	10048.6	9599.6	8966.2	8531.4	8214.7	7921.7	7779.9
55°	11494.9	*11268.1*	11173.5	10601.6	9391.6	8578.7	8068.2	7477.4	7075.6	6943.3
57.5°	11684.0	*12709.6*	12676.6	10691.4	8810.3	7874.4	6952.7	6153.9	5738.0	5652.9
60°	*11126.3*	*13839.3*	*13721.1*	*10540.2*	*7756.2*	*6390.3*	*5312.6*	*4494.9*	*3819.0*	*3719.8*
62.5°	10412.6	*12974.3*	12931.8	9779.2	5908.2	4580.0	3970.3	3204.6	2916.3	2840.6
65°	8919.0	*10615.8*	10634.7	7846.0	3738.7	3289.7	3261.3	2547.6	2193.1	2136.4
67.5°	6867.7	*8143.8*	8011.5	4934.5	2178.9	2632.7	2604.3	1862.3	1347.1	1309.2
70°	4012.8	*6064.1*	5851.4	2566.5	1441.6	2197.8	2004.0	1309.2	916.9	874.4
72.5°	1772.4	*3336.9*	3582.7	1129.6	1016.2	1748.8	1446.3	803.5	515.2	505.7
75°	983.1	*1654.3*	1729.9	491.6	713.7	1243.1	874.4	449.0	293.0	288.3
77.5°	590.8	*732.6*	713.7	316.7	534.1	794.1	529.4	255.2	184.3	174.9
80°	330.9	*335.6*	283.6	231.6	316.7	444.3	297.8	160.7	85.1	85.1
82.5°	203.2	*184.3*	146.5	70.9	85.1	269.4	108.7	89.8	28.4	28.4
85°	85.1	*56.7*	37.8	14.2	33.1	70.9	37.8	42.5	14.2	14.2
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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

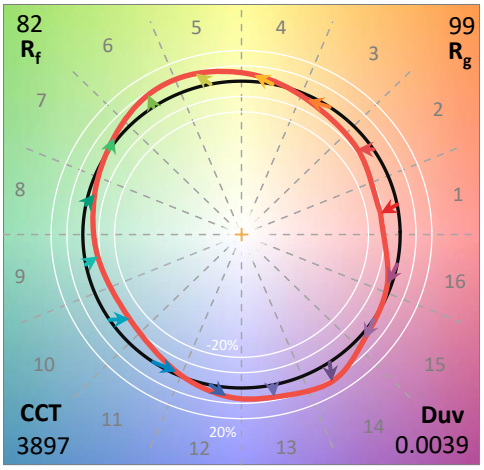
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
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-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

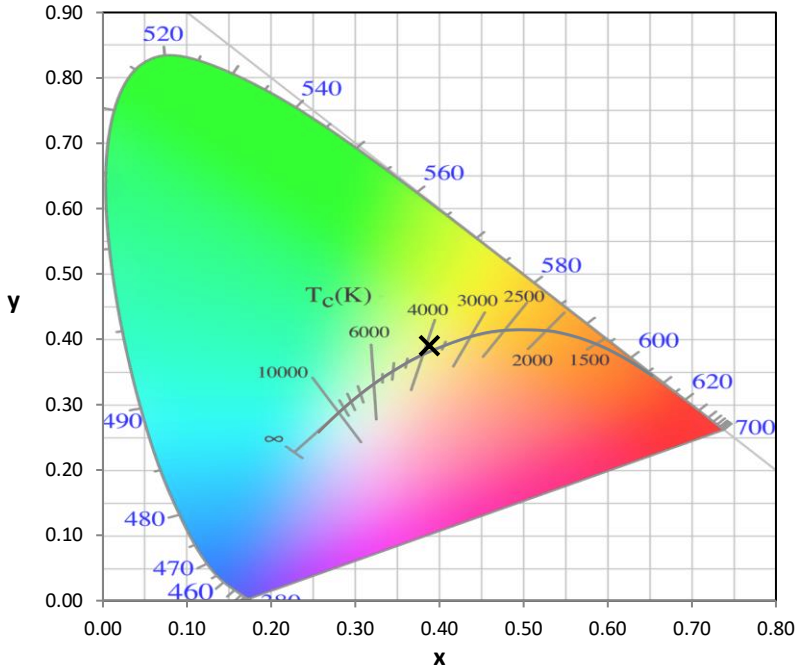
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

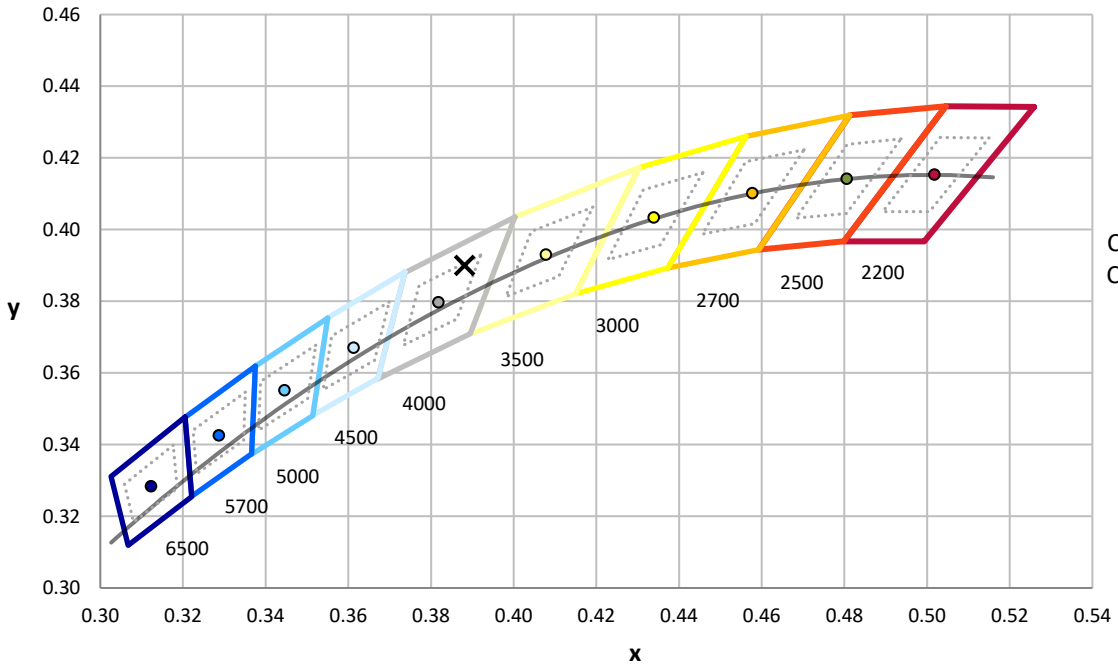
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



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

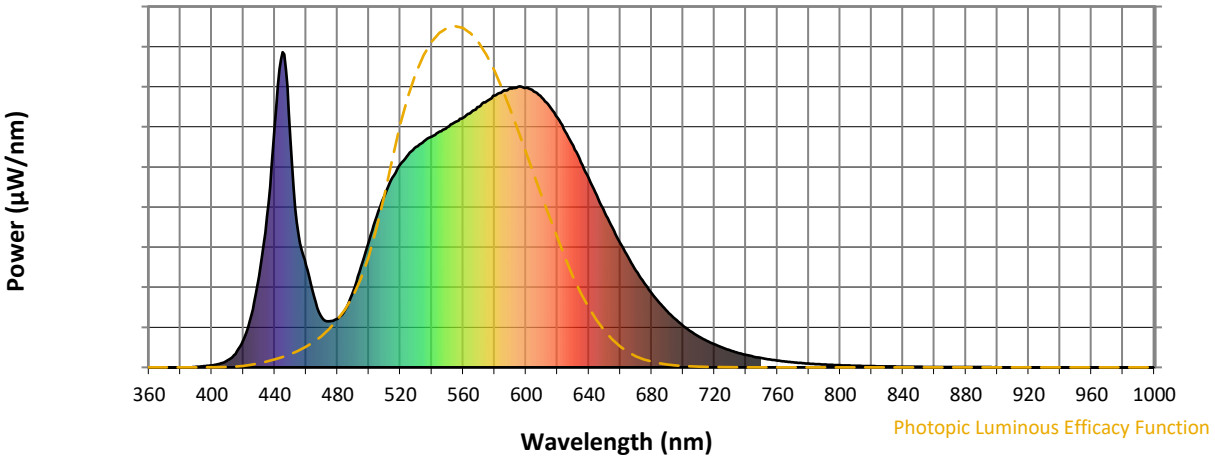


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

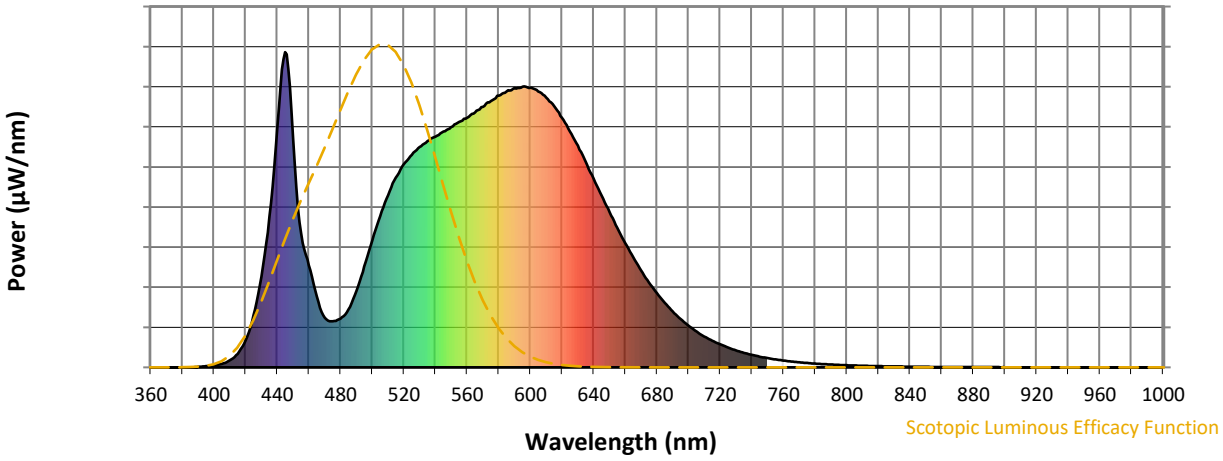


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

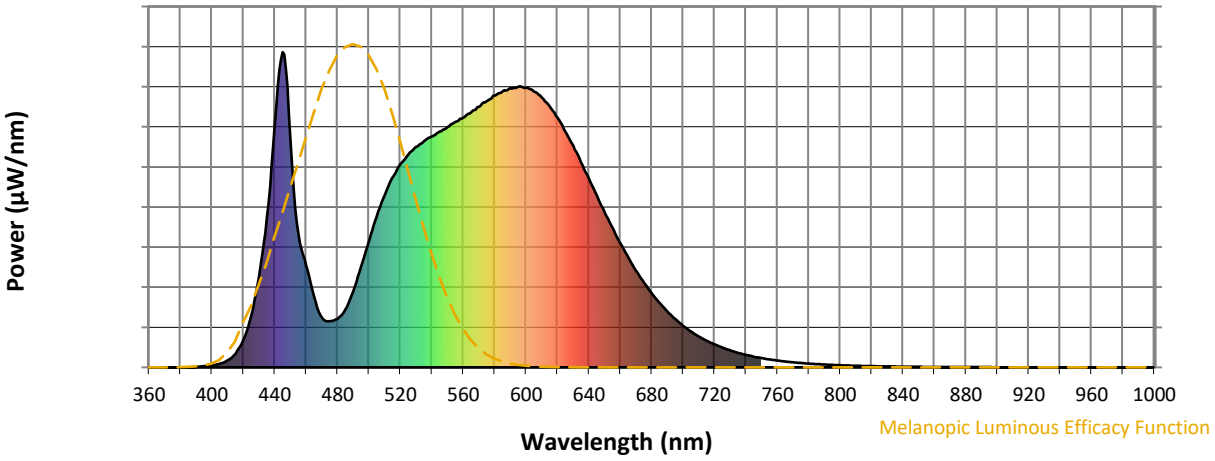


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

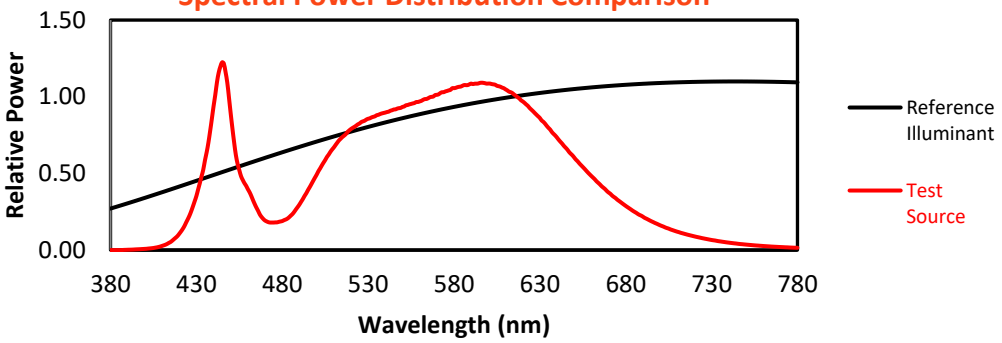
REPORT NUMBER: SP1-2407-184-11

TM-30-18

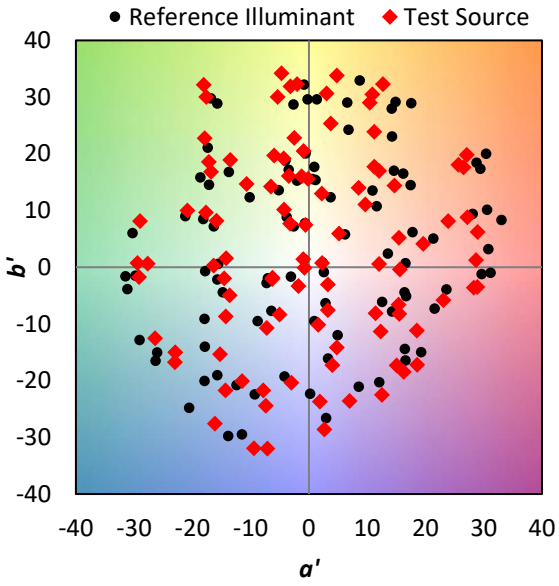
Summary

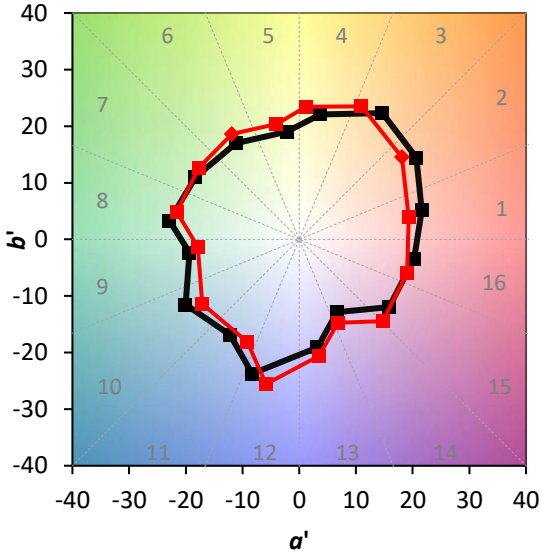
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

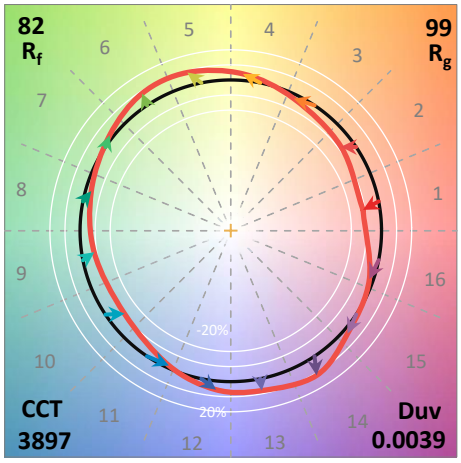
Spectral Power Distribution Comparison

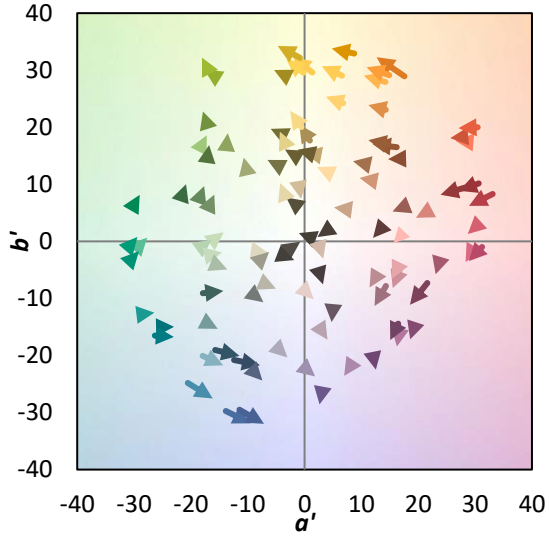


Color Vector Graphics







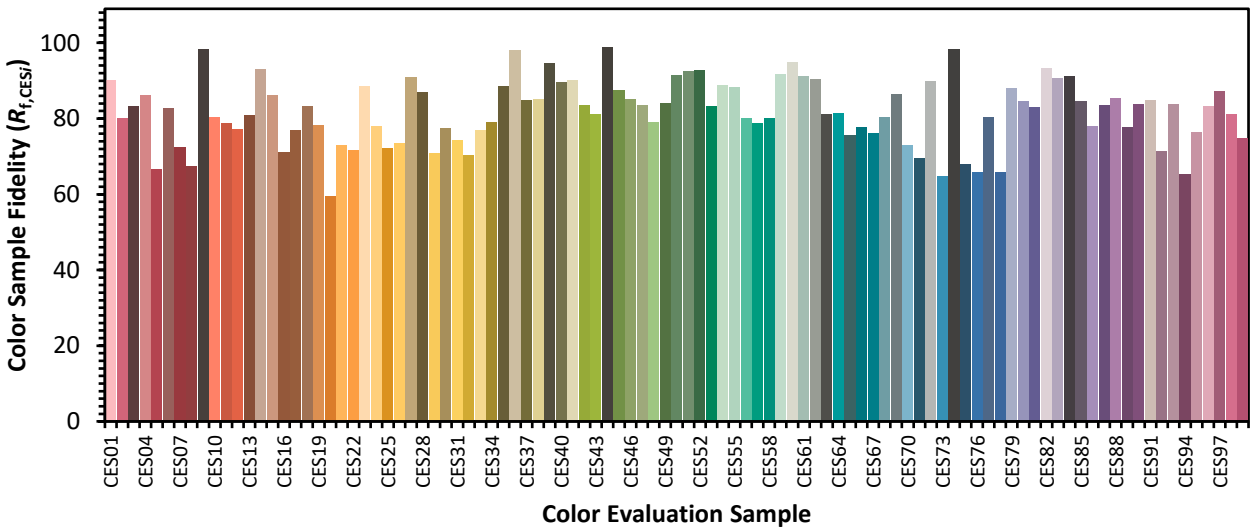


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Individual Sample Fidelity Index ($R_{f,i}$)

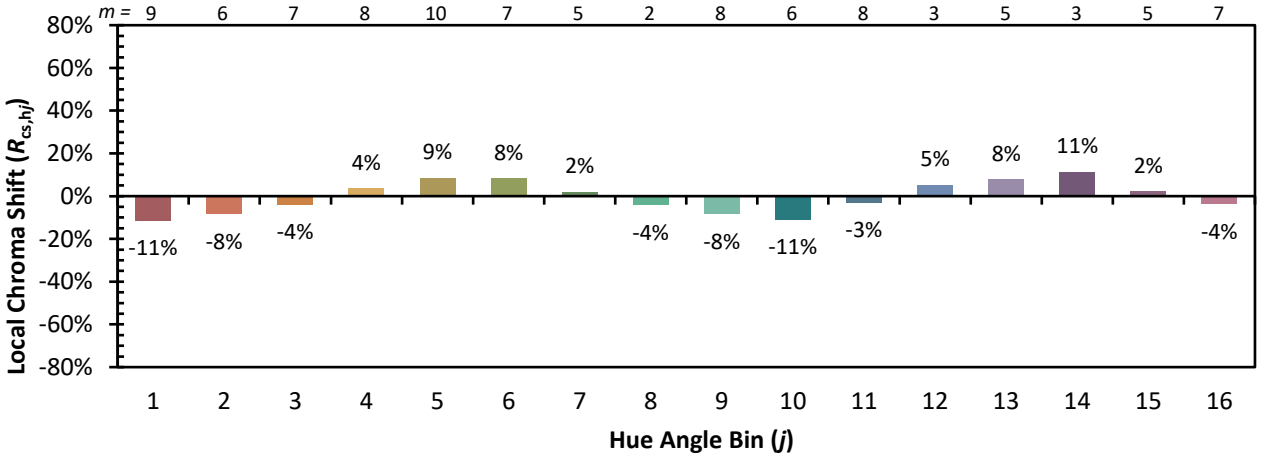
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CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
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CES25 = 71	CES50 = 91	CES75 = 68	

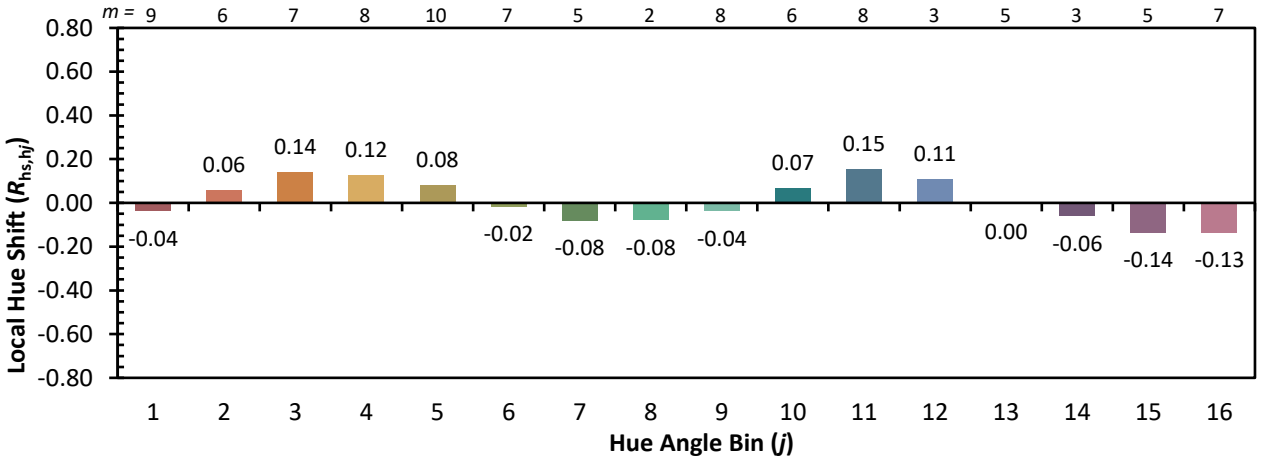


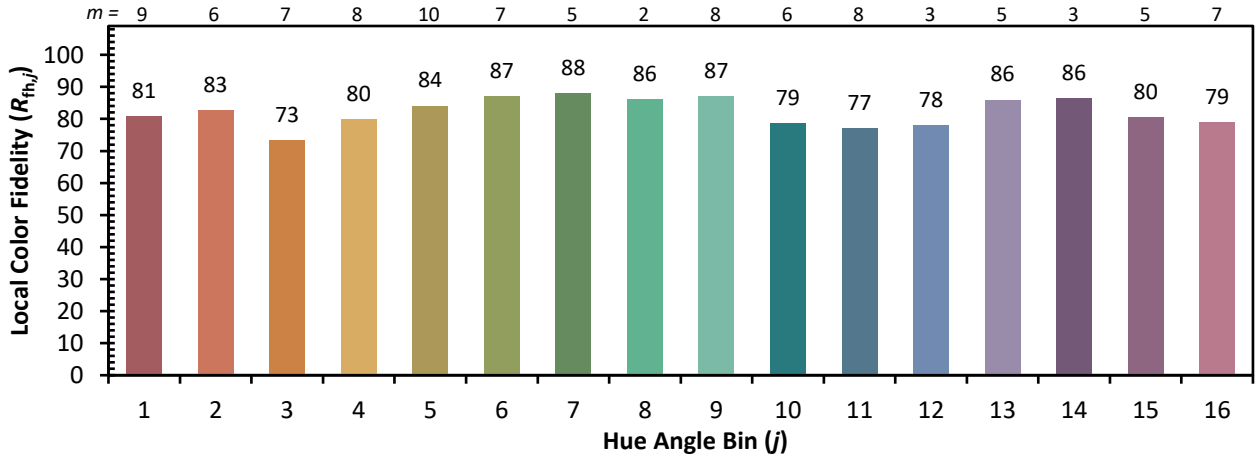
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Color Rendition by Hue-Angle Bin



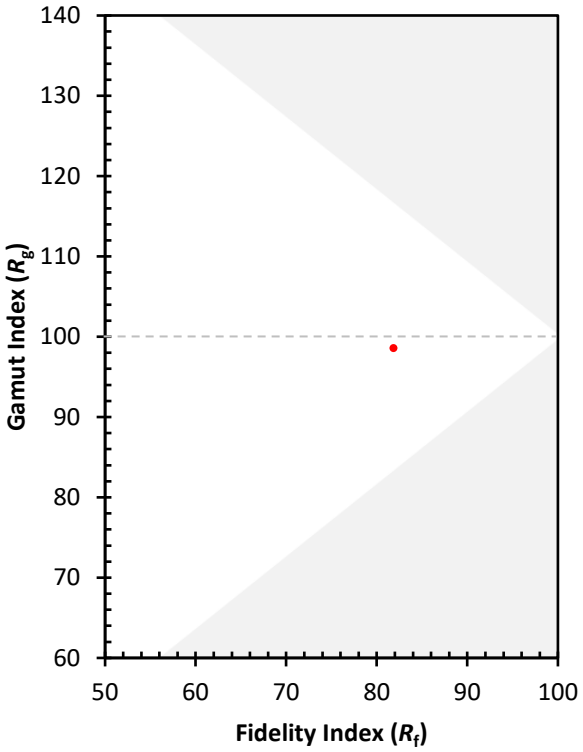


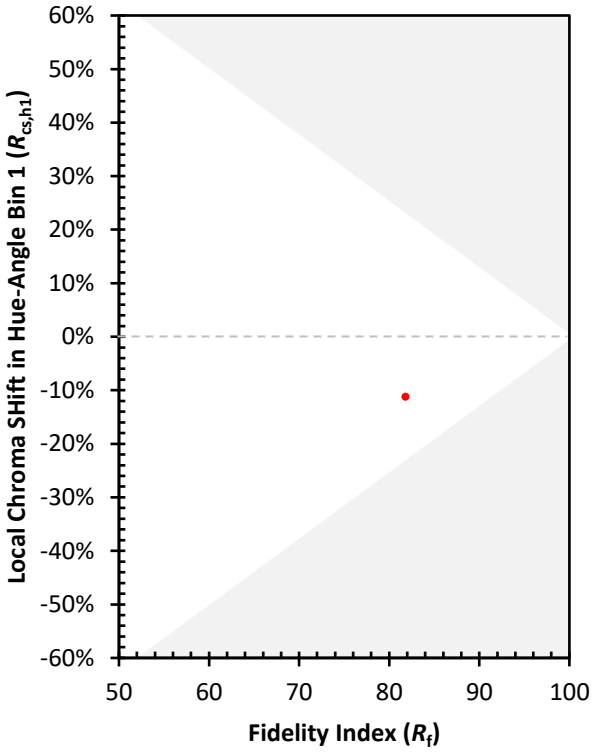


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Measure Comparisons





(END OF REPORT)