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: P1501537

Luminaire Tested: GSS-SB6A-830-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501537
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23382 lumens
Efficiency:	N/A
Efficacy:	137.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

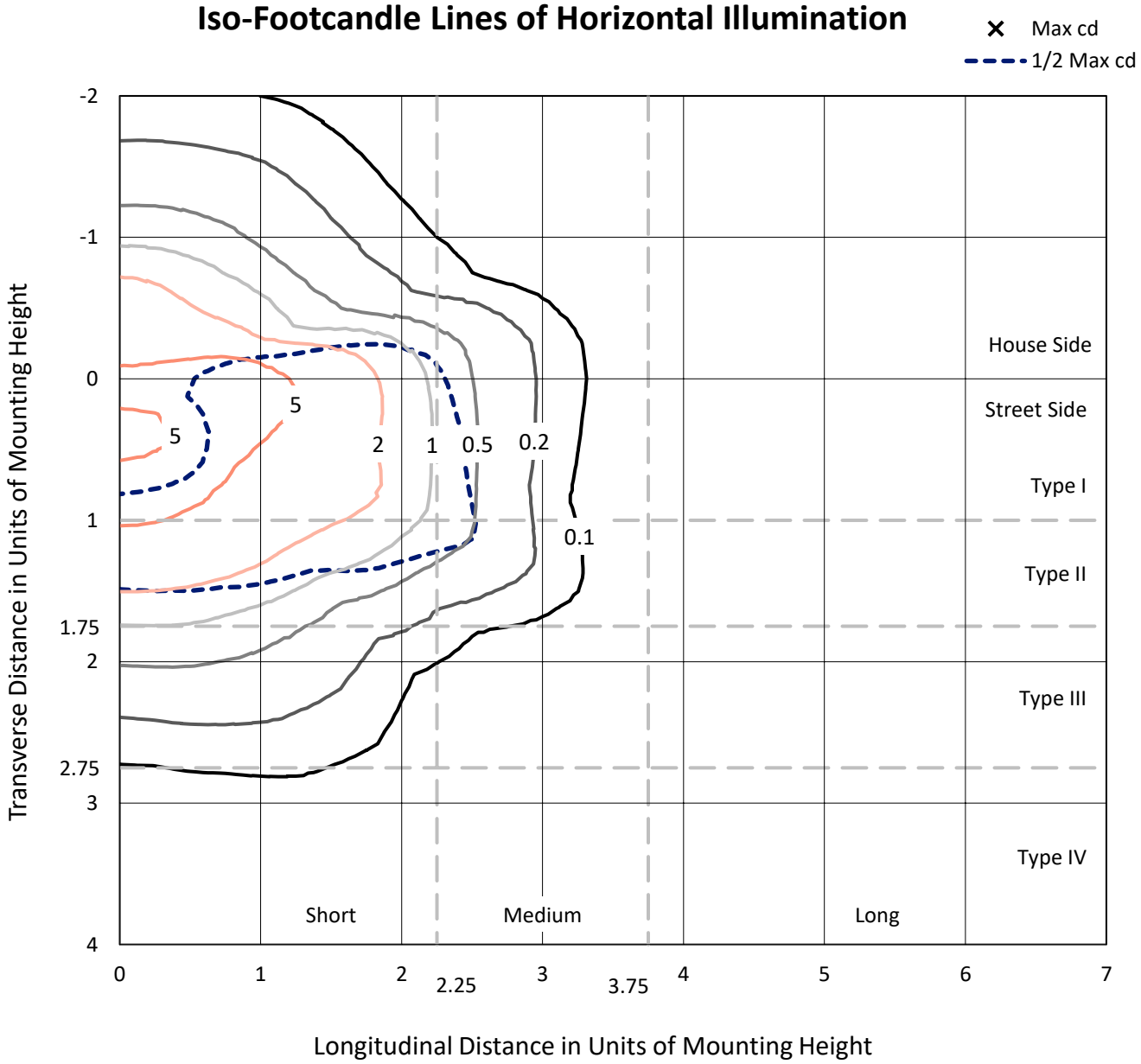
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



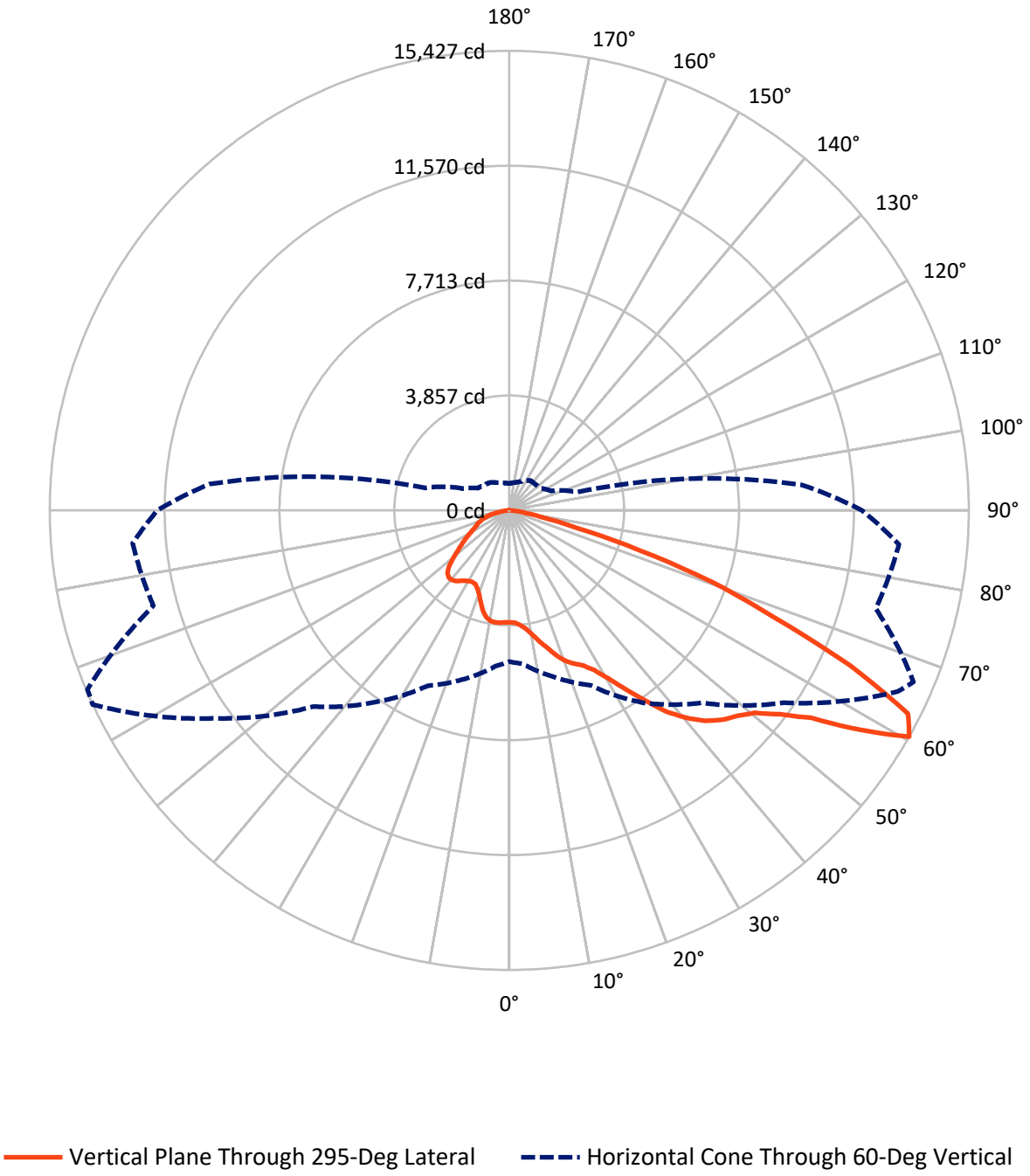
Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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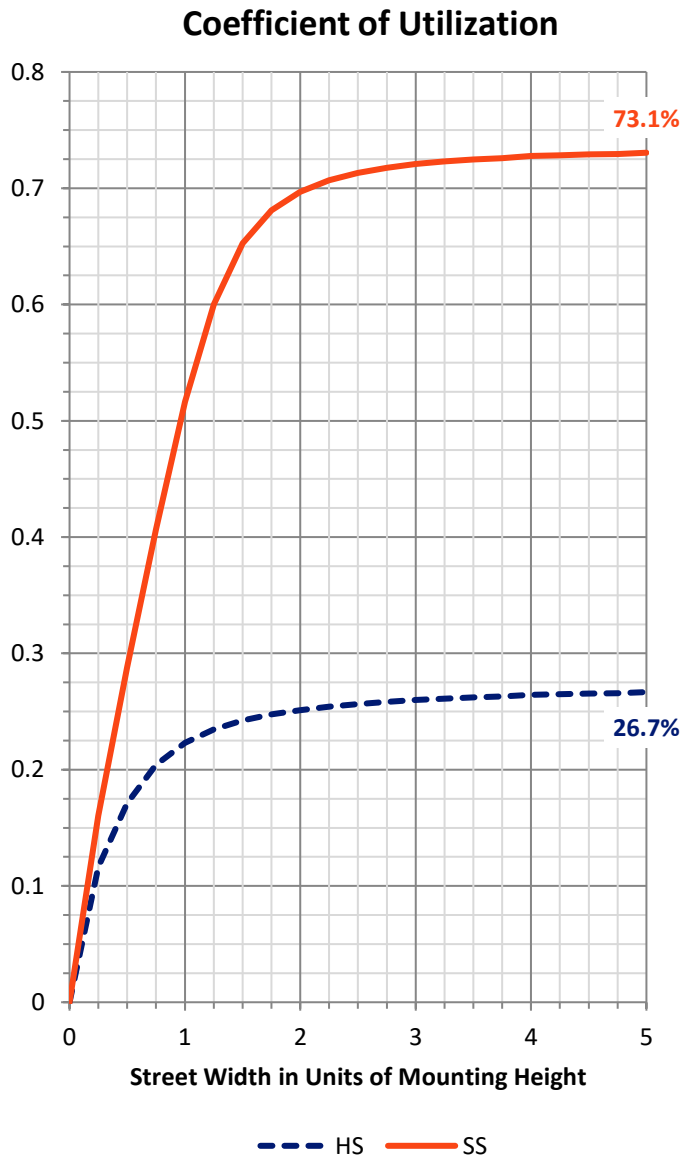
REPORT NUMBER: P1501537
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6287.7	0.0	6287.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	17094.3	0.0	17094.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	23382.0	0.0	23382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	1.5
10°-20°	1016.8	4.3
20°-30°	1926.1	8.2
30°-40°	3395.5	14.5
40°-50°	5021.6	21.5
50°-60°	5896.8	25.2
60°-70°	4272.5	18.3
70°-80°	1317.6	5.6
80°-90°	181.4	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	23382.0	100.0
0°-180°	23382.0	100.0



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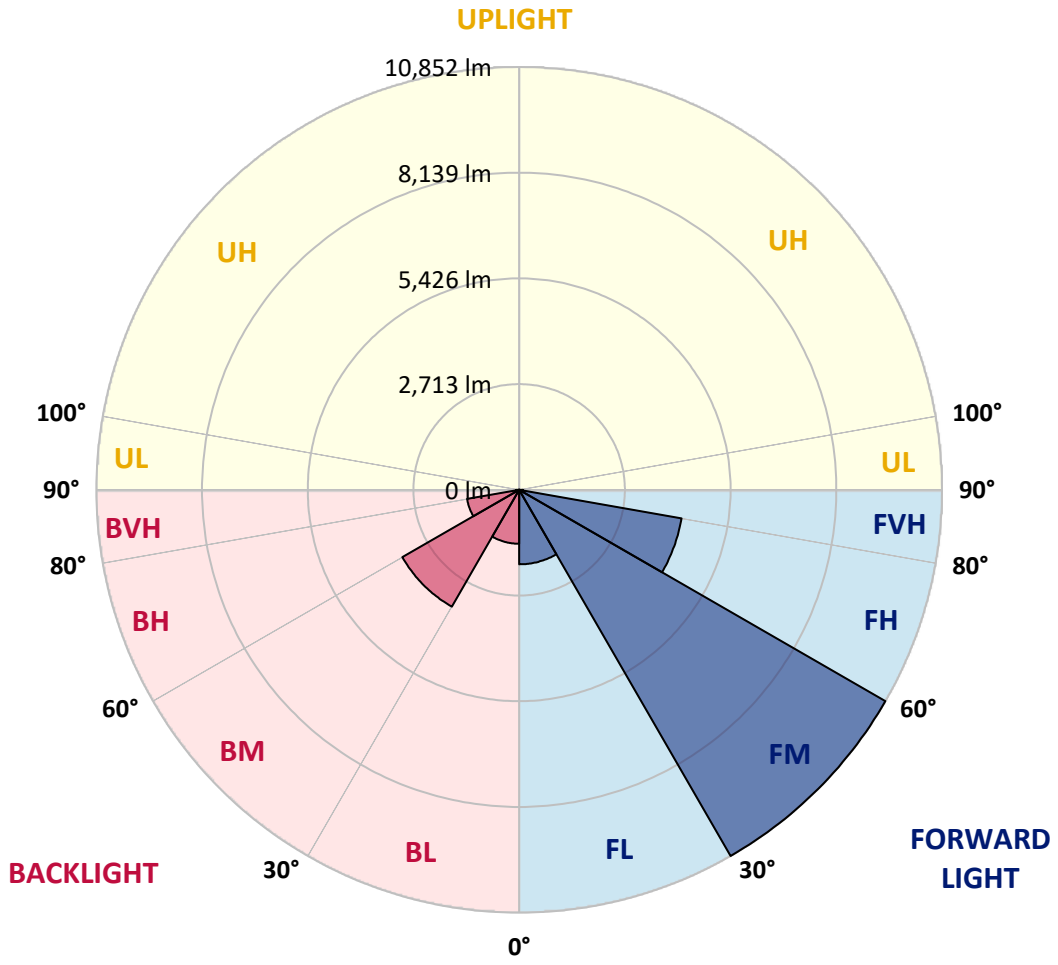
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1911.9	8.2			
FM	(30°-60°)	10851.8	46.4			
FH	(60°-80°)	4232.9	18.1			G2/5000
FVH	(80°-90°)	97.8	0.4			G1/100
BL	(0°-30°)	1384.8	5.9	B3/2500		
BM	(30°-60°)	3462.2	14.8	B3/5000		
BH	(60°-80°)	1357.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	83.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1
2.5°	3836.7	3847.3	3831.3	3842.0	3842.0	3826.0	3820.7	3799.4	3810.0	3804.7	3799.4
5°	3927.3	3932.6	3921.9	3937.9	3937.9	3943.2	3937.9	3911.3	3911.3	3911.3	3900.6
7.5°	3900.6	3900.6	3905.9	3959.2	4012.5	4081.8	4081.8	4071.1	4081.8	4076.5	4028.5
10°	3676.8	3698.1	3746.1	3879.3	4007.2	4156.4	4257.6	4289.6	4289.6	4294.9	4215.0
12.5°	3277.1	3293.1	3405.0	3607.5	3874.0	4145.7	4390.8	4550.7	4566.7	4593.3	4486.8
15°	2920.1	2930.8	3010.7	3218.5	3522.3	4001.9	4465.4	4795.8	4849.1	4961.0	4801.2
17.5°	2952.1	2946.8	2968.1	3048.0	3266.5	3767.4	4449.5	5083.6	5179.5	5376.7	5238.1
20°	3143.9	3143.9	3159.9	3175.9	3255.8	3596.9	4332.2	5318.0	5504.5	5888.2	5728.4
22.5°	3447.7	3447.7	3442.3	3469.0	3469.0	3671.5	4337.6	5493.9	5771.0	6458.4	6303.8
25°	3868.6	3847.3	3847.3	3858.0	3810.0	3953.9	4470.8	5675.1	6037.4	7135.1	7001.9
27.5°	4342.9	4358.9	4348.2	4310.9	4247.0	4358.9	4790.5	5957.5	6335.8	7849.2	7795.9
30°	4859.8	4865.1	4875.8	4854.4	4801.2	4881.1	5291.4	6383.8	6730.1	8595.2	8712.4
32.5°	5366.0	5440.6	5414.0	5360.7	5382.0	5525.9	5909.5	6959.3	7316.3	9287.9	9703.6
35°	6010.8	6037.4	6144.0	5946.8	5952.2	6197.3	6698.2	7716.0	8062.3	10007.3	10694.7
37.5°	6948.6	6996.6	6948.6	6639.6	6591.6	6932.6	7465.5	8462.0	8712.4	10550.8	11616.6
40°	7870.5	7929.1	8009.0	7646.7	7342.9	7625.4	8190.2	9032.1	9293.2	10849.2	12229.4
42.5°	8632.5	8728.4	8643.1	8536.6	8259.5	8312.8	8696.4	9474.4	9735.5	11227.6	12847.5
45°	9277.3	9293.2	9330.5	9255.9	9117.4	9069.4	9128.1	9863.4	10151.2	11398.1	13151.2
47.5°	9543.7	9613.0	9644.9	9772.8	9916.7	9820.8	9495.7	10044.6	10305.7	11387.4	13247.1
50°	9399.8	9469.1	9639.6	9943.4	10289.7	10460.2	9927.4	10295.0	10588.1	11579.3	13444.3
52.5°	9021.5	9096.1	9373.2	9719.5	10300.4	10689.4	10534.8	10817.3	11099.7	11920.3	13774.7
55°	8104.9	8216.9	8605.8	9181.3	9980.7	10566.8	11174.3	11584.6	11893.7	12330.6	14115.7
57.5°	6772.8	6890.0	7327.0	8190.2	9389.2	10060.6	11360.8	13023.3	13161.9	12820.8	14147.7
60°	*5072.9*	*5168.8*	*5787.0*	*6479.7*	*7886.5*	*9133.4*	*11254.2*	*14387.5*	*14739.2*	*12735.6*	*13129.9*
62.5°	4017.8	4135.1	4683.9	5003.6	6010.8	7545.4	10881.2	14765.8	15069.6	12032.2	11712.5
65°	3138.6	3218.5	3730.1	4188.4	4433.5	5152.9	9325.2	12916.8	13188.5	10886.5	9666.3
67.5°	2072.9	2195.4	2802.9	3431.7	3559.6	3277.1	6415.8	9938.0	10065.9	8653.8	7268.3
70°	1486.7	1545.3	1998.3	2669.7	2861.5	2195.4	3495.6	7524.1	7561.4	5808.3	4897.1
72.5°	1012.5	1023.1	1358.8	2046.2	2280.7	1593.3	1923.7	4955.7	4827.8	2866.8	2802.9
75°	687.4	698.1	868.6	1364.1	1614.6	1108.4	1252.2	2701.6	2595.1	1582.6	1699.9
77.5°	463.6	474.3	596.8	916.5	1076.4	767.3	916.5	1428.1	1401.4	1049.8	911.2
80°	351.7	367.7	442.3	586.2	751.3	447.6	522.2	676.7	687.4	559.5	463.6
82.5°	197.2	218.5	266.4	298.4	484.9	250.4	250.4	405.0	389.0	346.4	250.4
85°	85.3	90.6	106.6	111.9	197.2	106.6	90.6	175.8	181.2	170.5	79.9
87.5°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	21.3	21.3	21.3	21.3
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°	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1
2.5°	3772.7	3804.7	3772.7	3756.7	3756.7	3730.1	3719.4	3719.4	3682.1	3698.1	3687.5
5°	3858.0	3868.6	3831.3	3783.4	3719.4	3666.1	3591.5	3495.6	3437.0	3431.7	3437.0
7.5°	3991.2	3996.5	3895.3	3788.7	3628.8	3437.0	3207.9	3021.4	2856.2	2829.5	2861.5
10°	4177.7	4167.0	4017.8	3767.4	3431.7	3026.7	2675.0	2504.5	2408.6	2403.2	2397.9
12.5°	4428.1	4358.9	4129.7	3676.8	3090.6	2621.7	2440.5	2429.9	2456.5	2477.8	2483.2
15°	4715.9	4625.3	4220.3	3501.0	2744.3	2472.5	2483.2	2573.8	2605.7	2627.0	2627.0
17.5°	5072.9	4955.7	4321.6	3250.5	2568.4	2504.5	2579.1	2664.3	2717.6	2739.0	2733.6
20°	5547.2	5302.1	4401.5	3010.7	2520.5	2557.8	2621.7	2707.0	2760.3	2786.9	2786.9
22.5°	6021.4	5717.7	4417.5	2845.5	2520.5	2563.1	2621.7	2707.0	2765.6	2792.2	2786.9
25°	6666.2	6250.6	4422.8	2728.3	2525.8	2536.5	2589.7	2664.3	2749.6	2776.3	2786.9
27.5°	7353.6	6836.7	4449.5	2701.6	2504.5	2499.2	2536.5	2605.7	2691.0	2760.3	2765.6
30°	8206.2	7497.5	4460.1	2728.3	2509.8	2440.5	2467.2	2536.5	2627.0	2696.3	2717.6
32.5°	9042.8	8110.3	4438.8	2786.9	2520.5	2403.2	2408.6	2451.2	2547.1	2595.1	2632.4
35°	9927.4	8760.4	4401.5	2866.8	2525.8	2387.3	2339.3	2360.6	2424.6	2429.9	2445.9
37.5°	10620.1	9245.3	4289.6	2973.4	2536.5	2328.6	2232.7	2216.7	2190.1	2136.8	2147.5
40°	11190.3	9570.3	4103.1	3026.7	2509.8	2259.4	2099.5	2024.9	1923.7	1843.7	1859.7
42.5°	11600.6	9788.8	3879.3	3037.4	2467.2	2142.1	1945.0	1817.1	1705.2	1619.9	1625.3
45°	11781.8	9767.5	3639.5	2957.4	2365.9	1998.3	1801.1	1678.5	1556.0	1465.4	1454.7
47.5°	11787.1	9559.7	3309.1	2765.6	2195.4	1833.1	1667.9	1534.7	1433.4	1369.5	1364.1
50°	11829.7	9442.5	3000.1	2488.5	1971.6	1657.2	1550.7	1417.4	1358.8	1268.2	1241.6
52.5°	12096.1	9634.3	2786.9	2184.8	1763.8	1529.3	1449.4	1332.2	1236.3	1177.6	1172.3
55°	12527.8	9964.7	2669.7	1955.6	1566.6	1406.8	1353.5	1252.2	1167.0	1108.4	1092.4
57.5°	12581.1	10135.2	2531.1	1742.5	1406.8	1310.9	1289.5	1177.6	1055.1	1012.5	996.5
60°	*11835.0*	*9847.4*	*2360.6*	*1545.3*	*1289.5*	*1236.3*	*1225.6*	*1076.4*	*975.2*	*921.9*	*900.5*
62.5°	10817.3	9128.1	2099.5	1364.1	1199.0	1161.7	1119.0	1001.8	873.9	815.3	799.3
65°	8840.3	7673.3	1785.1	1241.6	1108.4	1065.7	1055.1	895.2	810.0	778.0	772.7
67.5°	6698.2	6165.3	1572.0	1151.0	1012.5	996.5	959.2	905.9	868.6	831.3	820.6
70°	4737.2	4449.5	1337.5	1033.8	916.5	889.9	1044.4	985.8	852.6	804.6	799.3
72.5°	2872.2	2792.2	1156.3	927.2	788.6	831.3	964.5	889.9	767.3	708.7	687.4
75°	1811.8	1657.2	969.8	788.6	628.8	676.7	841.9	794.0	660.8	602.1	586.2
77.5°	985.8	916.5	730.0	644.8	495.6	548.9	735.4	655.4	527.5	575.5	511.6
80°	431.6	479.6	484.9	373.0	330.4	405.0	527.5	511.6	405.0	410.3	341.0
82.5°	207.8	271.8	314.4	255.8	186.5	239.8	351.7	293.1	271.8	255.8	245.1
85°	63.9	101.2	138.5	122.6	85.3	101.2	165.2	159.9	191.8	165.2	154.5
87.5°	21.3	21.3	16.0	16.0	16.0	21.3	26.6	16.0	5.3	5.3	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°	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1
2.5°	3682.1	3687.5	3687.5	3692.8	3692.8	3708.8	3730.1	3751.4	3735.4	3756.7	3762.1
5°	3426.4	3453.0	3474.3	3554.2	3618.2	3671.5	3730.1	3783.4	3799.4	3810.0	3836.7
7.5°	2824.2	2898.8	3037.4	3218.5	3421.0	3618.2	3751.4	3889.9	3911.3	3937.9	3975.2
10°	2403.2	2435.2	2531.1	2717.6	3080.0	3469.0	3794.0	4012.5	4103.1	4156.4	4193.7
12.5°	2472.5	2451.2	2435.2	2461.9	2696.3	3197.2	3767.4	4188.4	4358.9	4417.5	4465.4
15°	2637.7	2616.4	2557.8	2483.2	2509.8	2909.5	3676.8	4353.5	4625.3	4721.2	4822.5
17.5°	2733.6	2712.3	2664.3	2584.4	2515.1	2669.7	3506.3	4502.7	5046.3	5163.5	5307.4
20°	2786.9	2765.6	2717.6	2637.7	2557.8	2579.1	3287.8	4689.3	5525.9	5712.4	5925.5
22.5°	2797.6	2770.9	2717.6	2637.7	2589.7	2573.8	3080.0	4801.2	6042.7	6330.5	6575.6
25°	2792.2	2744.3	2675.0	2616.4	2589.7	2584.4	2936.1	4865.1	6602.3	7060.5	7337.6
27.5°	2754.9	2696.3	2627.0	2584.4	2573.8	2605.7	2872.2	4939.7	7257.7	7843.8	8286.1
30°	2712.3	2627.0	2541.8	2525.8	2552.4	2653.7	2925.5	4966.3	7945.1	8696.4	9149.4
32.5°	2600.4	2536.5	2451.2	2445.9	2509.8	2691.0	3048.0	4929.0	8552.6	9549.0	10119.2
35°	2440.5	2403.2	2355.3	2371.3	2472.5	2723.0	3133.3	4811.8	9106.7	10343.0	11009.1
37.5°	2158.1	2184.8	2211.4	2248.7	2376.6	2717.6	3170.6	4625.3	9565.0	10977.1	11829.7
40°	1843.7	1934.3	2019.6	2115.5	2286.0	2675.0	3181.2	4396.2	9831.4	11456.7	12559.7
42.5°	1646.6	1731.8	1838.4	1976.9	2163.5	2579.1	3170.6	4140.4	9916.7	11787.1	13023.3
45°	1465.4	1566.6	1699.9	1843.7	2056.9	2440.5	3074.7	3863.3	9959.3	11941.6	13220.5
47.5°	1369.5	1428.1	1550.7	1694.5	1918.3	2270.0	2888.2	3660.8	9895.4	11973.6	13460.3
50°	1257.6	1337.5	1417.4	1556.0	1774.5	2056.9	2664.3	3543.6	10002.0	12288.0	13838.6
52.5°	1172.3	1214.9	1300.2	1428.1	1588.0	1859.7	2451.2	3447.7	10295.0	12607.7	14233.0
55°	1108.4	1156.3	1209.6	1316.2	1438.7	1662.6	2232.7	3303.8	10636.1	12948.7	14627.3
57.5°	1007.1	1039.1	1113.7	1225.6	1305.5	1470.7	1976.9	3133.3	10609.4	12682.3	13945.2
60°	*916.5*	*948.5*	*1028.4*	*1140.3*	*1188.3*	*1300.2*	*1726.5*	*2914.8*	*10097.9*	*11813.7*	*12687.6*
62.5°	815.3	852.6	948.5	1028.4	1071.1	1156.3	1465.4	2515.1	9032.1	10508.2	11216.9
65°	772.7	794.0	857.9	953.8	948.5	1028.4	1236.3	1976.9	7268.3	8030.3	8675.1
67.5°	820.6	852.6	841.9	868.6	852.6	895.2	1108.4	1588.0	5712.4	6048.1	6421.1
70°	810.0	884.6	921.9	868.6	746.0	794.0	959.2	1268.2	4087.1	4055.1	4039.2
72.5°	708.7	783.3	889.9	943.2	730.0	660.8	831.3	1097.7	2621.7	2611.1	2360.6
75°	602.1	655.4	783.3	852.6	628.8	532.9	714.0	932.5	1566.6	1588.0	1417.4
77.5°	554.2	527.5	655.4	751.3	511.6	410.3	575.5	703.4	863.2	873.9	810.0
80°	399.7	383.7	490.2	548.9	389.0	293.1	325.1	437.0	463.6	415.6	431.6
82.5°	255.8	261.1	293.1	351.7	239.8	159.9	223.8	293.1	250.4	202.5	239.8
85°	165.2	186.5	154.5	181.2	74.6	74.6	95.9	127.9	85.3	58.6	63.9
87.5°	0.0	0.0	10.7	21.3	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: P1501537
CATALOG NUMBER: GSS-SB6A-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3762.1	3762.1	*3762.1*	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1	3762.1
2.5°	3778.0	3772.7	*3772.7*	3783.4	3810.0	3820.7	3836.7	3831.3	3847.3	3836.7
5°	3852.6	3858.0	*3874.0*	3879.3	3895.3	3916.6	3921.9	3916.6	3927.3	3927.3
7.5°	4001.9	4023.2	*4012.5*	4039.2	4017.8	3991.2	3948.6	3916.6	3889.9	3900.6
10°	4252.3	4241.6	*4236.3*	4188.4	4092.4	3953.9	3842.0	3719.4	3698.1	3676.8
12.5°	4529.4	4518.7	*4518.7*	4353.5	4081.8	3794.0	3538.3	3346.4	3282.5	3277.1
15°	4918.4	4849.1	*4785.2*	4438.8	3895.3	3405.0	3106.6	2957.4	2920.1	2920.1
17.5°	5403.3	5222.1	*5115.5*	4374.9	3591.5	3149.3	2973.4	2936.1	2925.5	2952.1
20°	6005.4	5547.2	*5392.6*	4231.0	3479.6	3181.2	3096.0	3101.3	3106.6	3143.9
22.5°	6666.2	5845.6	*5589.8*	4231.0	3591.5	3383.7	3341.1	3399.7	3415.7	3447.7
25°	7401.6	6112.0	*5765.7*	4454.8	3921.9	3767.4	3714.1	3772.7	3815.3	3868.6
27.5°	8227.5	6389.1	*6069.4*	4859.8	4348.2	4252.3	4193.7	4220.3	4278.9	4342.9
30°	8968.2	6852.7	*6533.0*	5477.9	4929.0	4811.8	4710.6	4753.2	4817.1	4859.8
32.5°	9623.6	7417.5	*7145.8*	6128.0	5595.1	5392.6	5280.7	5270.1	5398.0	5366.0
35°	10225.8	8083.6	*7822.5*	6868.7	6271.9	6021.4	5872.2	6064.1	5978.8	6010.8
37.5°	10700.0	8776.4	*8568.5*	7577.4	6975.3	6634.2	6543.6	6778.1	6911.3	6948.6
40°	11089.0	9378.5	*9160.0*	8280.8	7620.0	7369.6	7513.5	7902.5	7886.5	7870.5
42.5°	11387.4	9895.4	*9655.6*	8813.7	8238.2	8286.1	8398.0	8659.1	8723.1	8632.5
45°	11520.6	10220.4	*10028.6*	9234.6	8941.6	9218.6	9266.6	9378.5	9335.9	9277.3
47.5°	11675.2	10508.2	*10305.7*	9618.3	9703.6	9975.3	9879.4	9788.8	9634.3	9543.7
50°	11936.3	10849.2	*10678.7*	10177.8	10486.9	10396.3	10023.3	9820.8	9506.4	9399.8
52.5°	12431.9	11494.0	*11366.1*	11062.4	10854.6	10332.3	9879.4	9517.1	9165.4	9021.5
55°	12874.1	12367.9	*12293.3*	11888.3	10742.7	9996.6	9389.2	8829.7	8227.5	8104.9
57.5°	13129.9	13817.3	*13902.6*	12240.0	10231.1	9234.6	8339.4	7444.2	6874.0	6772.8
60°	*12367.9*	*15384.0*	*15426.6*	*12170.7*	*9309.2*	*7859.8*	*6495.7*	*5861.6*	*5248.8*	*5072.9*
62.5°	11318.2	15058.9	*15021.6*	11755.1	7412.2	5733.7	4934.4	4636.0	4161.7	4017.8
65°	9730.2	12543.8	*12586.4*	10156.5	4929.0	4145.7	4145.7	3767.4	3239.8	3138.6
67.5°	7929.1	9671.6	*9575.7*	6586.3	3026.7	3319.8	3479.6	2936.1	2195.4	2072.9
70°	5152.9	7385.6	*7252.4*	3799.4	1902.3	2765.6	2739.0	2206.1	1572.0	1486.7
72.5°	2216.7	4268.3	*4540.1*	1939.6	1433.4	2227.4	2184.8	1545.3	1049.8	1012.5
75°	1337.5	2147.5	*2339.3*	1236.3	1044.4	1678.5	1513.4	980.5	714.0	687.4
77.5°	847.3	1177.6	*1167.0*	927.2	783.3	1135.0	1017.8	676.7	484.9	463.6
80°	490.2	580.8	*602.1*	580.8	527.5	810.0	650.1	490.2	378.3	351.7
82.5°	314.4	362.4	*367.7*	282.4	293.1	522.2	351.7	287.7	218.5	197.2
85°	138.5	154.5	*149.2*	95.9	95.9	213.1	122.6	117.2	85.3	85.3
87.5°	5.3	10.7	*5.3*	5.3	5.3	21.3	10.7	16.0	16.0	16.0
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

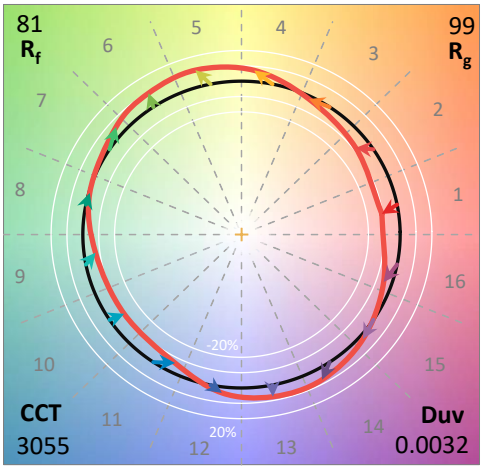
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

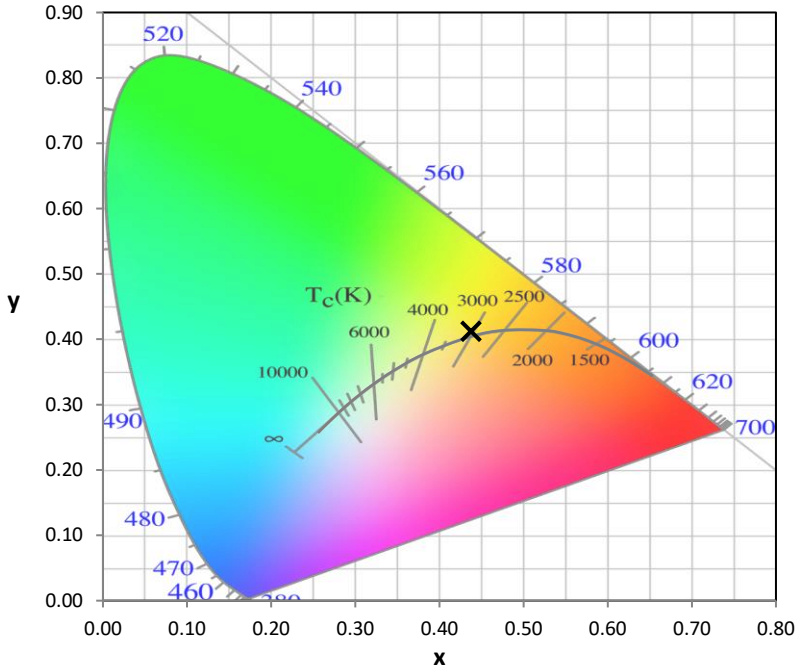
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

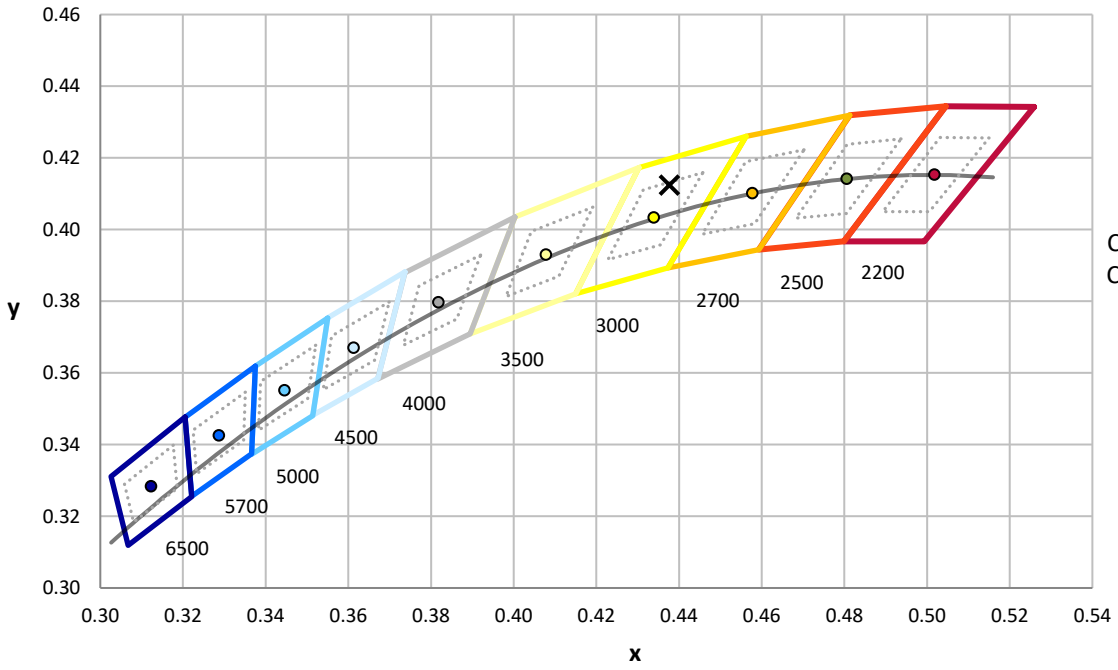
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

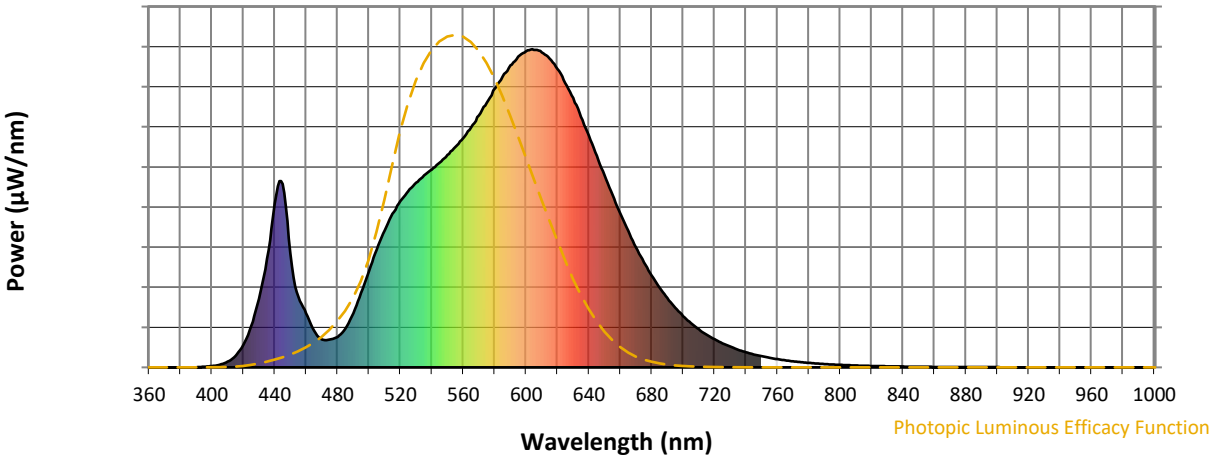


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

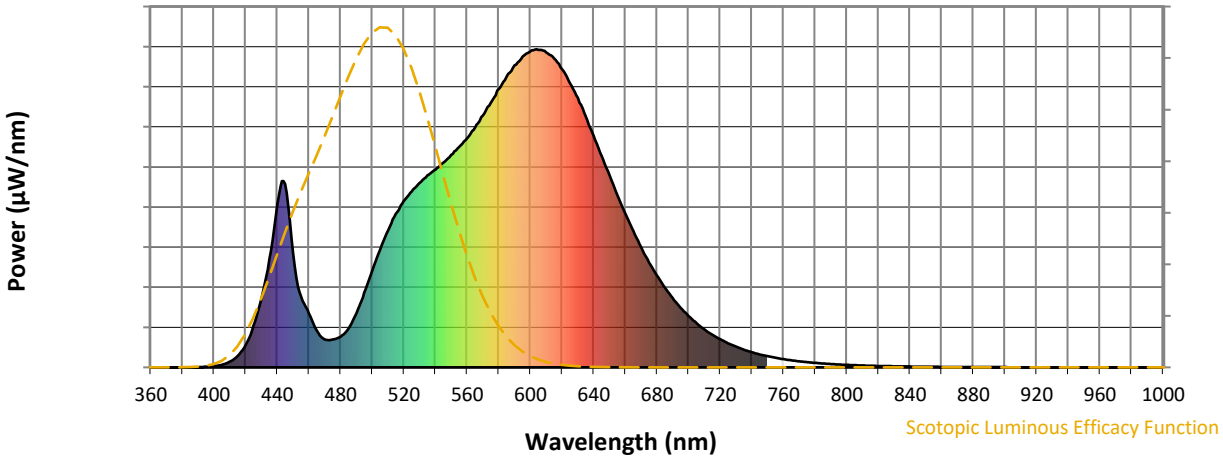


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

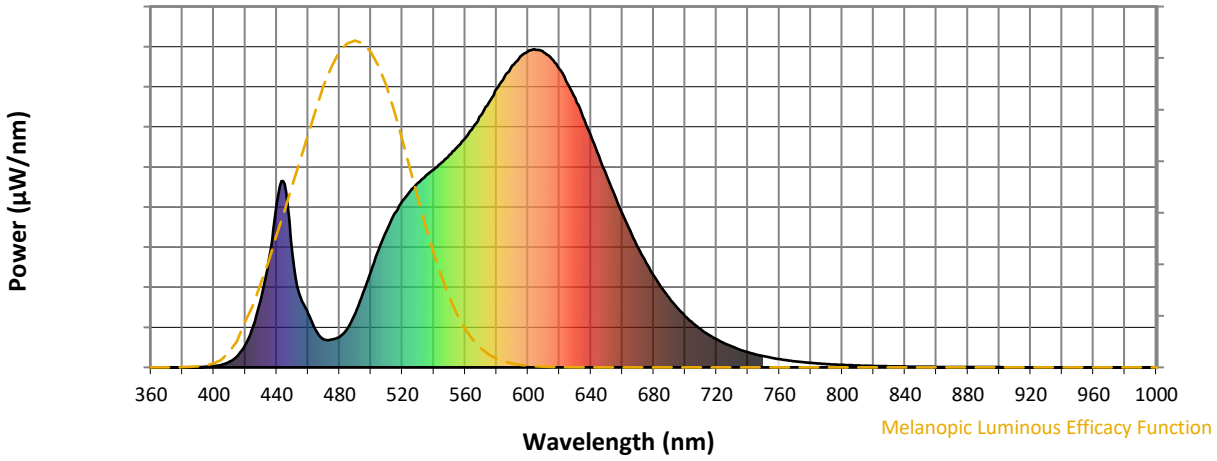


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

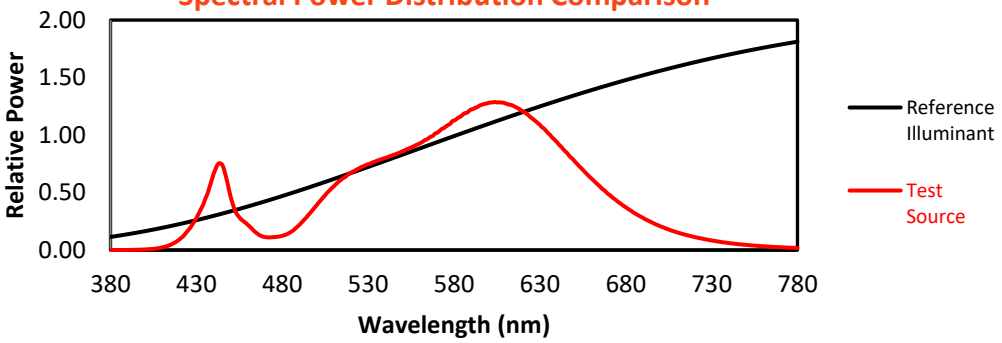
REPORT NUMBER: SP1-2407-184-9

TM-30-18

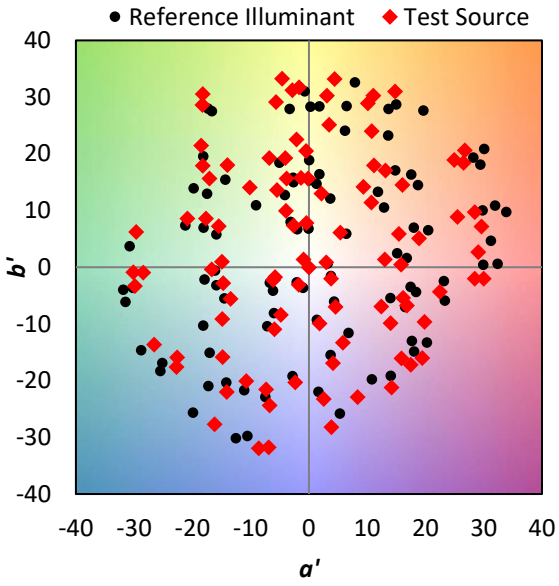
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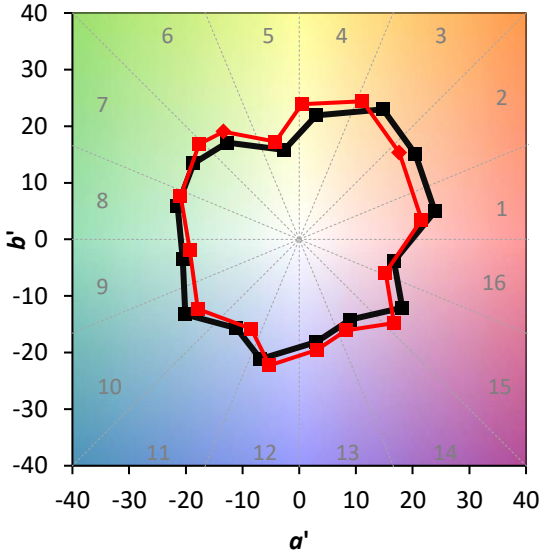
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

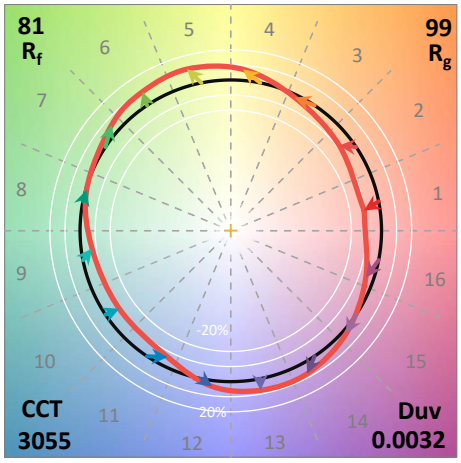
Spectral Power Distribution Comparison

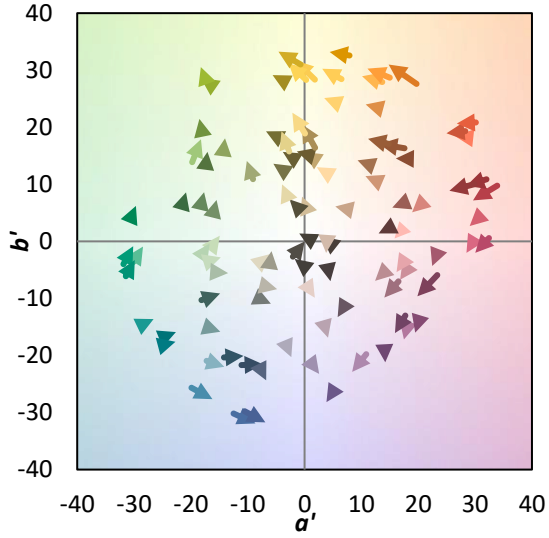


Color Vector Graphics







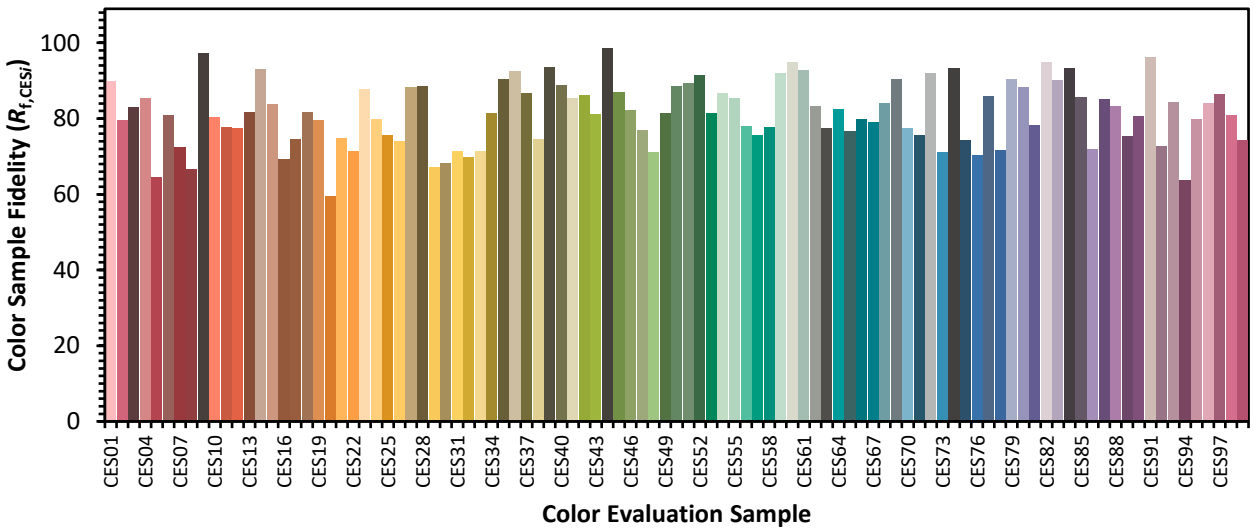


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Individual Sample Fidelity Index ($R_{f,i}$)

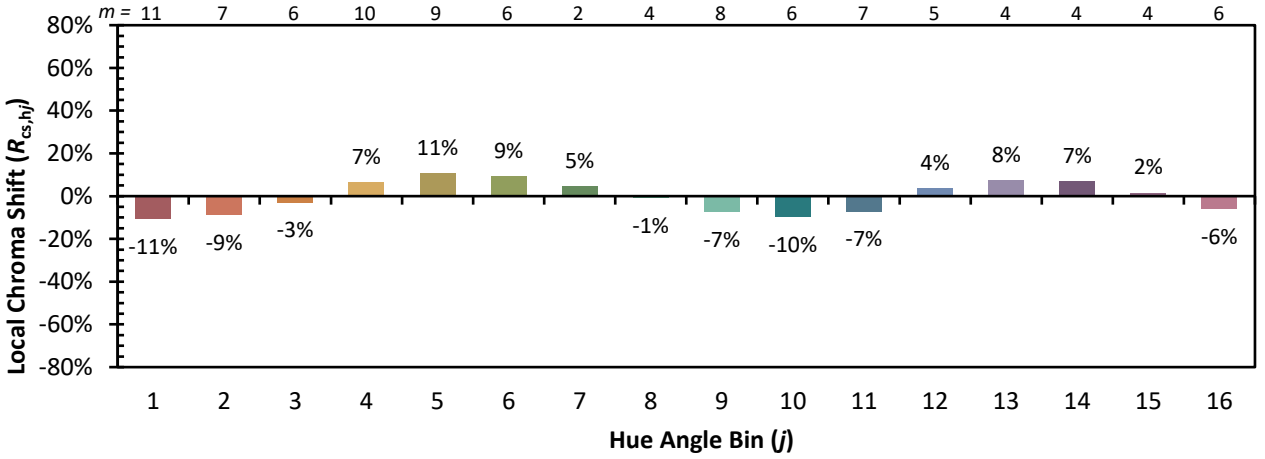
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

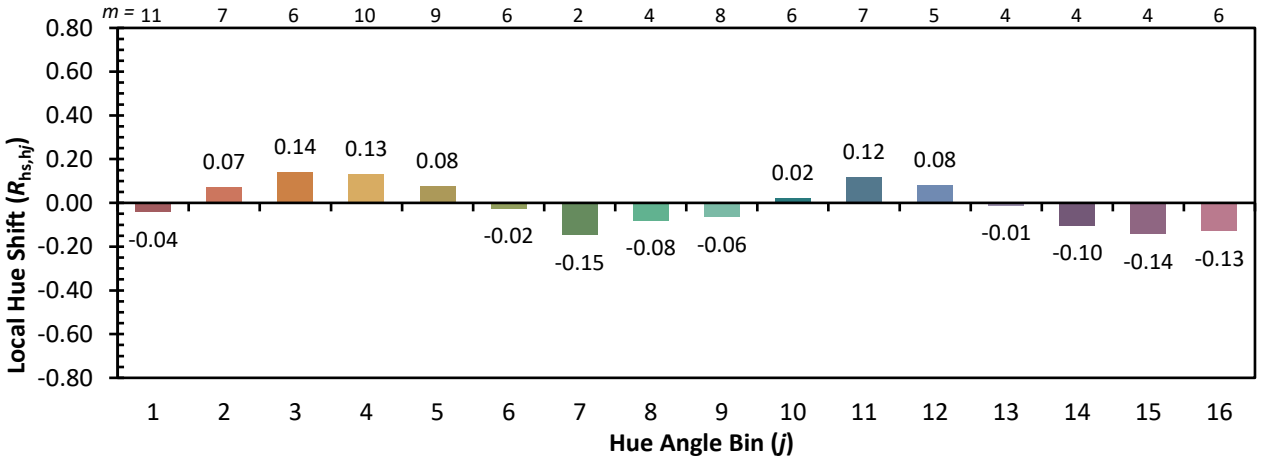


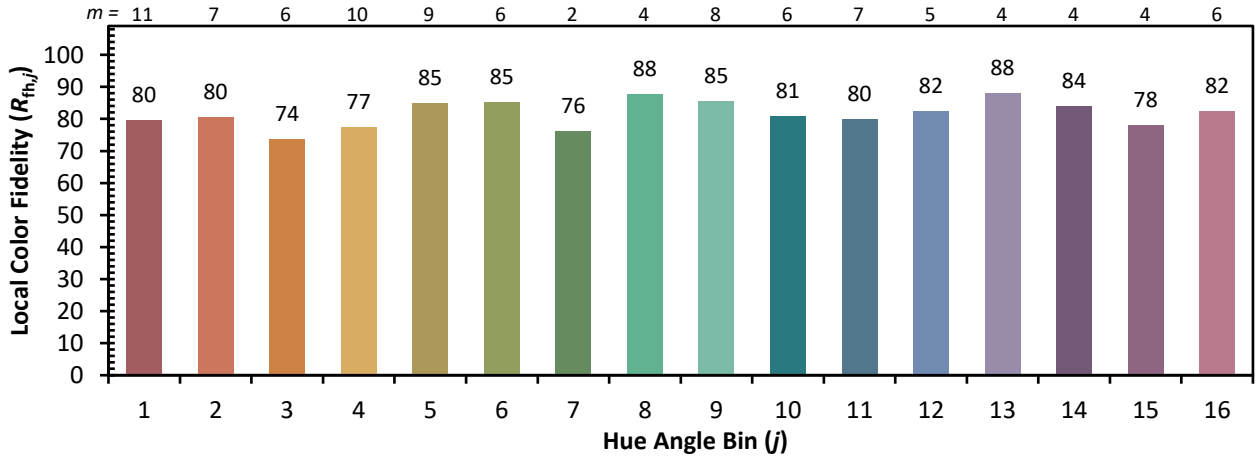
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Color Rendition by Hue-Angle Bin



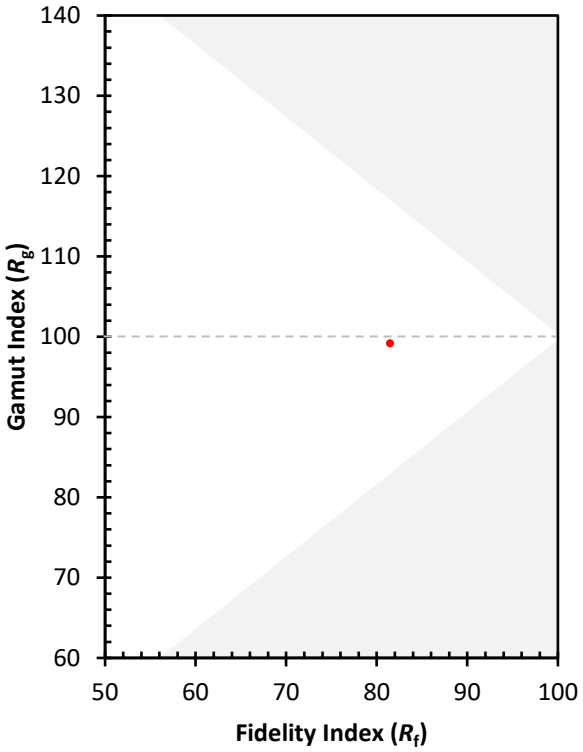


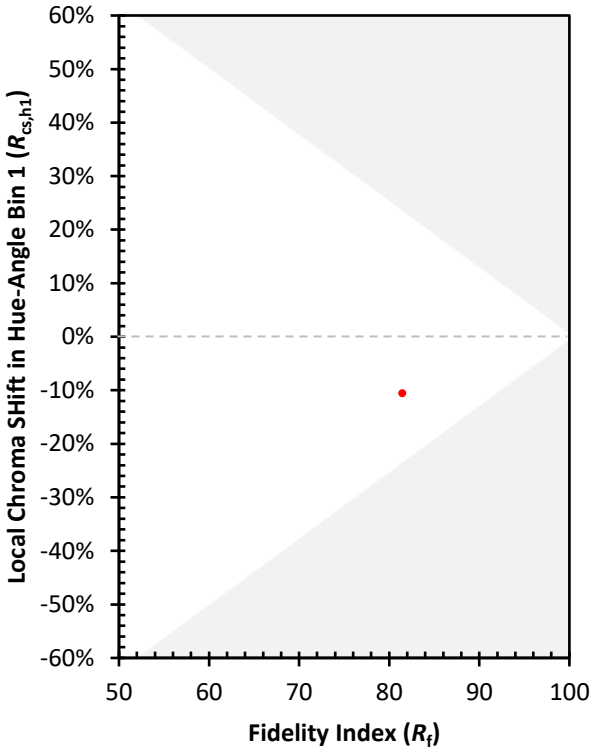


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Measure Comparisons





(END OF REPORT)