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: P1501561

Luminaire Tested: GSS-SB6A-835-U-T2LG

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:	P1501561
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24153.2 lumens
Efficiency:	N/A
Efficacy:	142.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

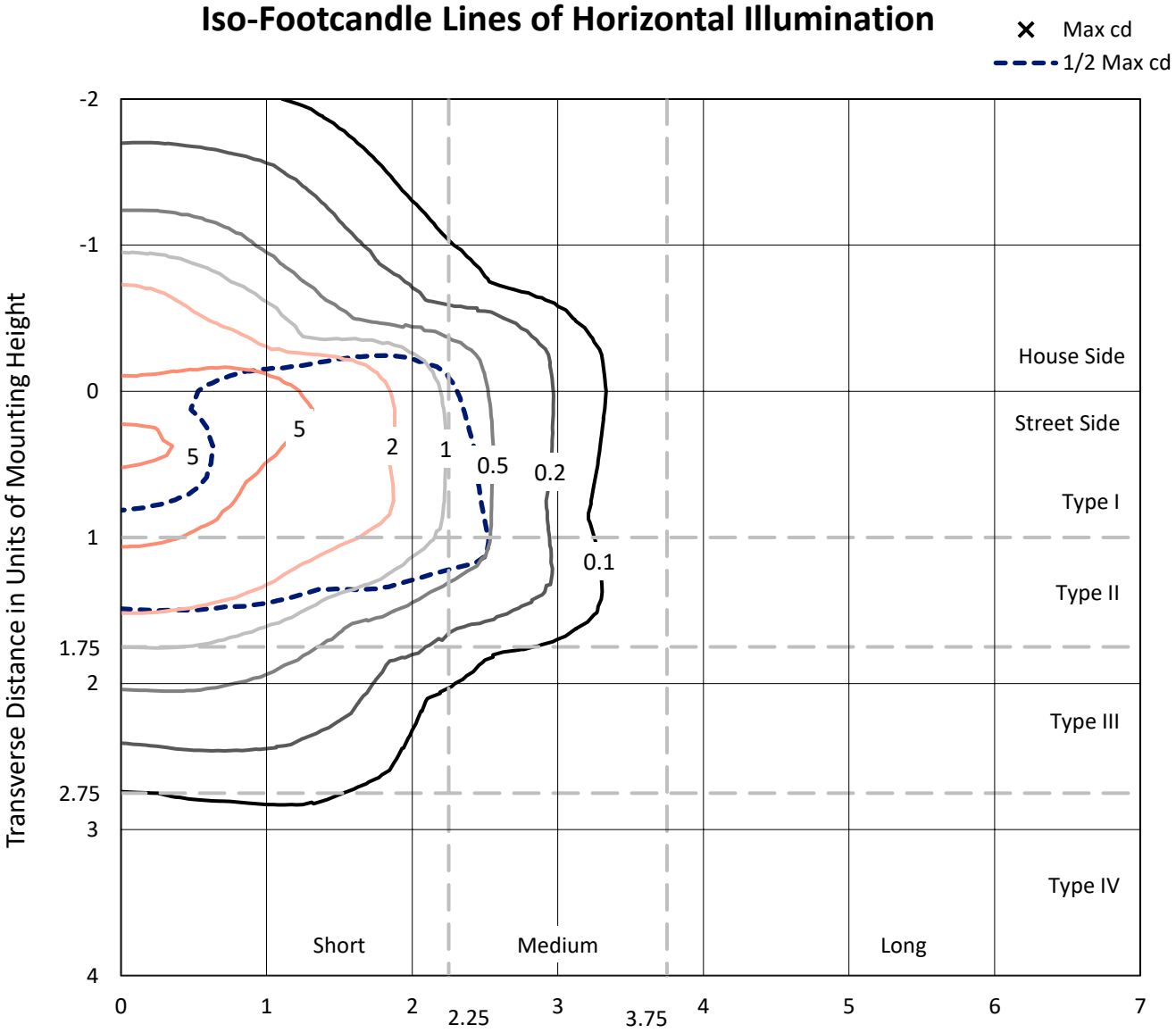
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



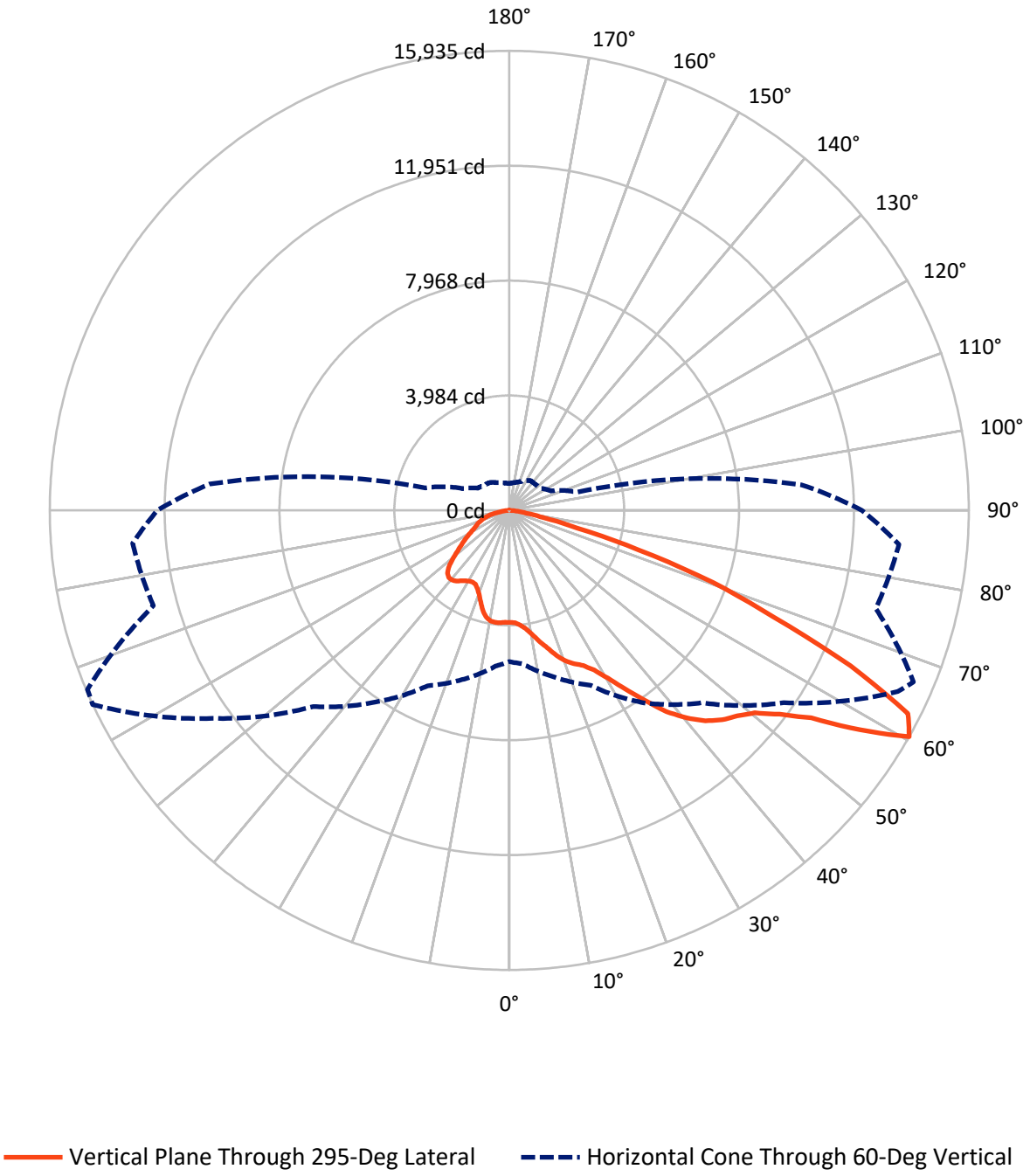
Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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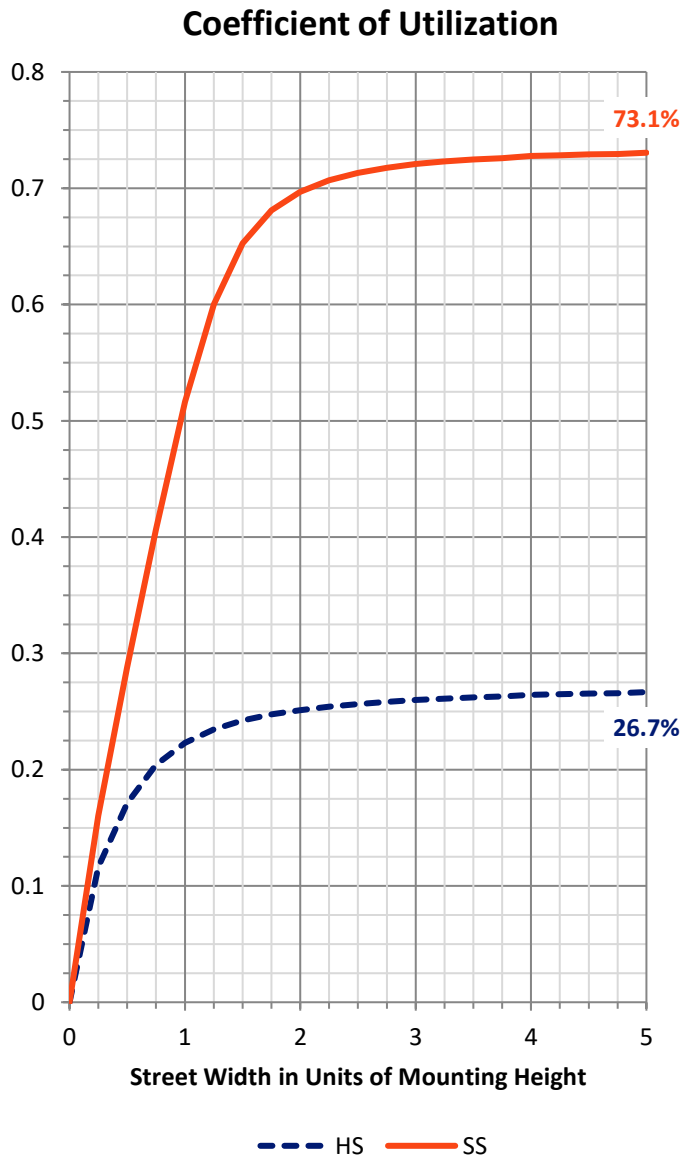
REPORT NUMBER: P1501561
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6495.1	0.0	6495.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	17658.1	0.0	17658.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	24153.2	0.0	24153.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.4	1.5
10°-20°	1050.4	4.3
20°-30°	1989.6	8.2
30°-40°	3507.5	14.5
40°-50°	5187.3	21.5
50°-60°	6091.3	25.2
60°-70°	4413.4	18.3
70°-80°	1361.0	5.6
80°-90°	187.4	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°	24153.2	100.0
0°-180°	24153.2	100.0



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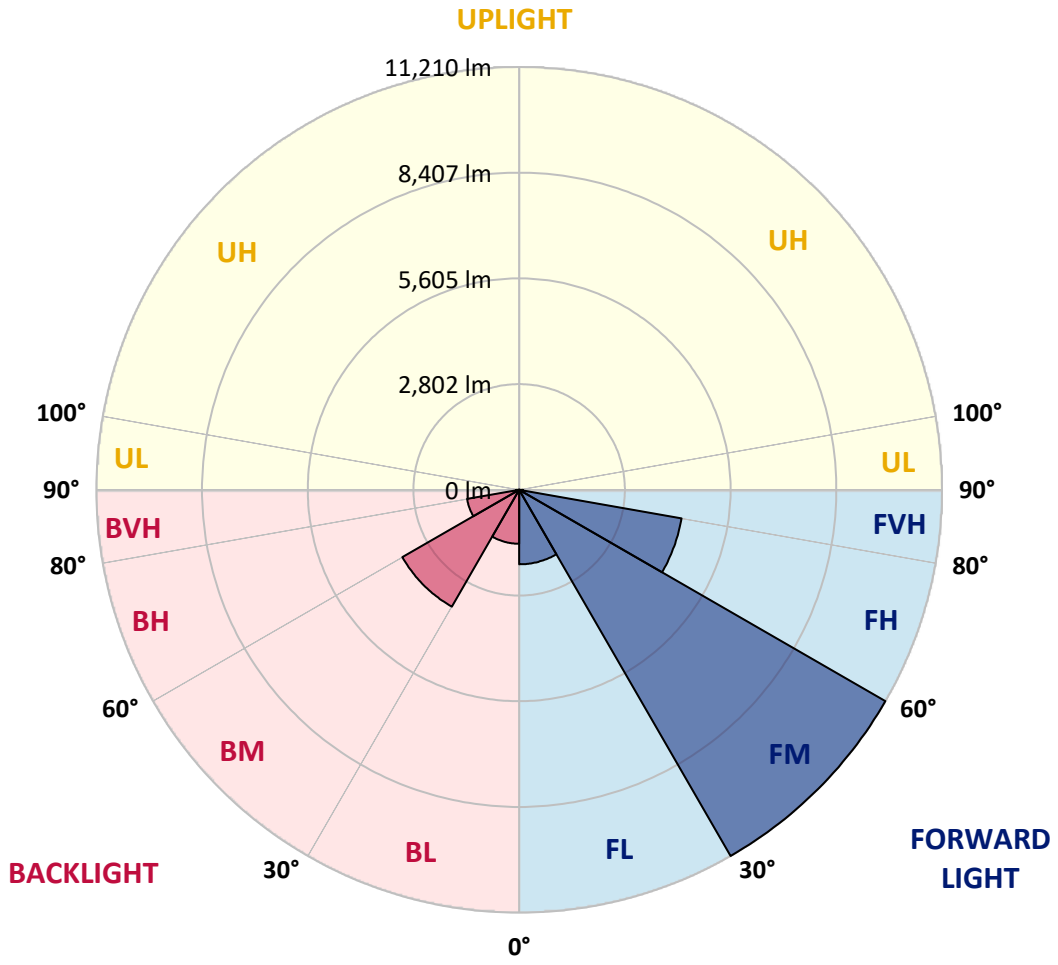
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1974.9	8.2			
FM	(30°-60°)	11209.6	46.4			
FH	(60°-80°)	4372.5	18.1			G2/5000
FVH	(80°-90°)	101.1	0.4			G2/225
BL	(0°-30°)	1430.4	5.9	B3/2500		
BM	(30°-60°)	3576.4	14.8	B3/5000		
BH	(60°-80°)	1402.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	86.3	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°	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1
2.5°	3963.2	3974.2	3957.7	3968.7	3968.7	3952.2	3946.7	3924.7	3935.7	3930.2	3924.7
5°	4056.8	4062.3	4051.3	4067.8	4067.8	4073.3	4067.8	4040.3	4040.3	4040.3	4029.2
7.5°	4029.2	4029.2	4034.8	4089.8	4144.8	4216.4	4216.4	4205.4	4216.4	4210.9	4161.4
10°	3798.1	3820.1	3869.6	4007.2	4139.3	4293.5	4398.0	4431.1	4431.1	4436.6	4354.0
12.5°	3385.2	3401.7	3517.3	3726.5	4001.7	4282.5	4535.7	4700.8	4717.3	4744.8	4634.7
15°	3016.4	3027.4	3110.0	3324.7	3638.4	4133.8	4612.7	4954.0	5009.0	5124.6	4959.5
17.5°	3049.5	3044.0	3066.0	3148.5	3374.2	3891.6	4596.2	5251.2	5350.3	5554.0	5410.9
20°	3247.6	3247.6	3264.1	3280.6	3363.2	3715.5	4475.1	5493.4	5686.1	6082.4	5917.3
22.5°	3561.4	3561.4	3555.9	3583.4	3583.4	3792.6	4480.6	5675.1	5961.3	6671.4	6511.8
25°	3996.2	3974.2	3974.2	3985.2	3935.7	4084.3	4618.2	5862.2	6236.5	7370.4	7232.8
27.5°	4486.1	4502.6	4491.6	4453.1	4387.0	4502.6	4948.5	6154.0	6544.8	8108.0	8053.0
30°	5020.0	5025.6	5036.6	5014.5	4959.5	5042.1	5465.9	6594.3	6952.1	8878.7	8999.8
32.5°	5543.0	5620.0	5592.5	5537.5	5559.5	5708.1	6104.4	7188.8	7557.6	9594.2	10023.6
35°	6209.0	6236.5	6346.6	6143.0	6148.5	6401.7	6919.1	7970.4	8328.2	10337.3	11047.4
37.5°	7177.8	7227.3	7177.8	6858.5	6809.0	7161.3	7711.7	8741.0	8999.8	10898.8	11999.7
40°	8130.1	8190.6	8273.2	7898.9	7585.1	7876.9	8460.3	9330.0	9599.7	11207.0	12632.7
42.5°	8917.2	9016.3	8928.2	8818.1	8531.9	8586.9	8983.2	9786.9	10056.6	11597.9	13271.2
45°	9583.2	9599.7	9638.3	9561.2	9418.1	9368.6	9429.1	10188.7	10486.0	11774.0	13585.0
47.5°	9858.4	9930.0	9963.0	10095.1	10243.8	10144.7	9808.9	10375.9	10645.6	11763.0	13684.0
50°	9709.8	9781.4	9957.5	10271.3	10629.1	10805.2	10254.8	10634.6	10937.3	11961.1	13887.7
52.5°	9319.0	9396.1	9682.3	10040.1	10640.1	11041.9	10882.3	11174.0	11465.7	12313.4	14229.0
55°	8372.3	8487.8	8889.7	9484.1	10309.8	10915.3	11542.8	11966.6	12285.9	12737.3	14581.3
57.5°	6996.1	7117.2	7568.6	8460.3	9698.8	10392.4	11735.5	13452.8	13596.0	13243.7	14614.3
60°	*5240.2*	*5339.3*	*5977.8*	*6693.4*	*8146.6*	*9434.6*	*11625.4*	*14862.0*	*15225.3*	*13155.6*	*13562.9*
62.5°	4150.3	4271.4	4838.4	5168.7	6209.0	7794.3	11240.1	15252.8	15566.6	12429.0	12098.8
65°	3242.1	3324.7	3853.1	4326.5	4579.7	5322.8	9632.8	13342.8	13623.5	11245.6	9985.1
67.5°	2141.2	2267.8	2895.3	3544.9	3677.0	3385.2	6627.3	10265.8	10397.9	8939.2	7508.1
70°	1535.7	1596.3	2064.2	2757.7	2955.9	2267.8	3610.9	7772.3	7810.8	5999.8	5058.6
72.5°	1045.8	1056.9	1403.6	2113.7	2355.9	1645.8	1987.1	5119.1	4987.0	2961.4	2895.3
75°	710.1	721.1	897.2	1409.1	1667.8	1144.9	1293.5	2790.8	2680.7	1634.8	1755.9
77.5°	478.9	489.9	616.5	946.8	1111.9	792.6	946.8	1475.2	1447.7	1084.4	941.3
80°	363.3	379.8	456.9	605.5	776.1	462.4	539.4	699.1	710.1	578.0	478.9
82.5°	203.7	225.7	275.2	308.2	500.9	258.7	258.7	418.3	401.8	357.8	258.7
85°	88.1	93.6	110.1	115.6	203.7	110.1	93.6	181.6	187.2	176.1	82.6
87.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	22.0	22.0	22.0	22.0
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°	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1
2.5°	3897.1	3930.2	3897.1	3880.6	3880.6	3853.1	3842.1	3842.1	3803.6	3820.1	3809.1
5°	3985.2	3996.2	3957.7	3908.2	3842.1	3787.1	3710.0	3610.9	3550.4	3544.9	3550.4
7.5°	4122.8	4128.3	4023.7	3913.7	3748.5	3550.4	3313.7	3121.0	2950.4	2922.9	2955.9
10°	4315.5	4304.5	4150.3	3891.6	3544.9	3126.5	2763.2	2587.1	2488.0	2482.5	2477.0
12.5°	4574.2	4502.6	4265.9	3798.1	3192.6	2708.2	2521.0	2510.0	2537.5	2559.6	2565.1
15°	4871.4	4777.9	4359.5	3616.4	2834.8	2554.1	2565.1	2658.6	2691.7	2713.7	2713.7
17.5°	5240.2	5119.1	4464.1	3357.7	2653.1	2587.1	2664.1	2752.2	2807.3	2829.3	2823.8
20°	5730.1	5476.9	4546.7	3110.0	2603.6	2642.1	2708.2	2796.3	2851.3	2878.8	2878.8
22.5°	6220.0	5906.3	4563.2	2939.4	2603.6	2647.6	2708.2	2796.3	2856.8	2884.3	2878.8
25°	6886.1	6456.7	4568.7	2818.3	2609.1	2620.1	2675.2	2752.2	2840.3	2867.8	2878.8
27.5°	7596.1	7062.2	4596.2	2790.8	2587.1	2581.6	2620.1	2691.7	2779.7	2851.3	2856.8
30°	8476.8	7744.7	4607.2	2818.3	2592.6	2521.0	2548.6	2620.1	2713.7	2785.2	2807.3
32.5°	9341.0	8377.8	4585.2	2878.8	2603.6	2482.5	2488.0	2532.0	2631.1	2680.7	2719.2
35°	10254.8	9049.3	4546.7	2961.4	2609.1	2466.0	2416.4	2438.5	2504.5	2510.0	2526.5
37.5°	10970.3	9550.2	4431.1	3071.5	2620.1	2405.4	2306.4	2289.8	2262.3	2207.3	2218.3
40°	11559.3	9886.0	4238.4	3126.5	2592.6	2333.9	2168.7	2091.7	1987.1	1904.5	1921.0
42.5°	11983.2	10111.7	4007.2	3137.5	2548.6	2212.8	2009.1	1877.0	1761.4	1673.3	1678.9
45°	12170.3	10089.6	3759.5	3055.0	2444.0	2064.2	1860.5	1733.9	1607.3	1513.7	1502.7
47.5°	12175.8	9875.0	3418.3	2856.8	2267.8	1893.5	1722.9	1585.3	1480.7	1414.6	1409.1
50°	12219.9	9753.9	3099.0	2570.6	2036.6	1711.9	1601.8	1464.2	1403.6	1310.1	1282.5
52.5°	12495.1	9952.0	2878.8	2256.8	1822.0	1579.8	1497.2	1376.1	1277.0	1216.5	1211.0
55°	12940.9	10293.3	2757.7	2020.1	1618.3	1453.2	1398.1	1293.5	1205.5	1144.9	1128.4
57.5°	12996.0	10469.4	2614.6	1800.0	1453.2	1354.1	1332.1	1216.5	1089.9	1045.8	1029.3
60°	*12225.4*	*10172.2*	*2438.5*	*1596.3*	*1332.1*	*1277.0*	*1266.0*	*1111.9*	*1007.3*	*952.3*	*930.3*
62.5°	11174.0	9429.1	2168.7	1409.1	1238.5	1200.0	1155.9	1034.8	902.7	842.2	825.7
65°	9131.9	7926.4	1844.0	1282.5	1144.9	1100.9	1089.9	924.7	836.7	803.6	798.1
67.5°	6919.1	6368.6	1623.8	1189.0	1045.8	1029.3	990.8	935.8	897.2	858.7	847.7
70°	4893.4	4596.2	1381.6	1067.9	946.8	919.2	1078.9	1018.3	880.7	831.2	825.7
72.5°	2966.9	2884.3	1194.5	957.8	814.7	858.7	996.3	919.2	792.6	732.1	710.1
75°	1871.5	1711.9	1001.8	814.7	649.5	699.1	869.7	820.2	682.6	622.0	605.5
77.5°	1018.3	946.8	754.1	666.0	511.9	567.0	759.6	677.0	544.9	594.5	528.4
80°	445.9	495.4	500.9	385.3	341.3	418.3	544.9	528.4	418.3	423.8	352.3
82.5°	214.7	280.7	324.8	264.2	192.7	247.7	363.3	302.7	280.7	264.2	253.2
85°	66.1	104.6	143.1	126.6	88.1	104.6	170.6	165.1	198.2	170.6	159.6
87.5°	22.0	22.0	16.5	16.5	16.5	22.0	27.5	16.5	5.5	5.5	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°	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1
2.5°	3803.6	3809.1	3809.1	3814.6	3814.6	3831.1	3853.1	3875.1	3858.6	3880.6	3886.1
5°	3539.4	3566.9	3588.9	3671.5	3737.5	3792.6	3853.1	3908.2	3924.7	3935.7	3963.2
7.5°	2917.4	2994.4	3137.5	3324.7	3533.8	3737.5	3875.1	4018.2	4040.3	4067.8	4106.3
10°	2482.5	2515.5	2614.6	2807.3	3181.6	3583.4	3919.2	4144.8	4238.4	4293.5	4332.0
12.5°	2554.1	2532.0	2515.5	2543.1	2785.2	3302.7	3891.6	4326.5	4502.6	4563.2	4612.7
15°	2724.7	2702.7	2642.1	2565.1	2592.6	3005.4	3798.1	4497.1	4777.9	4876.9	4981.5
17.5°	2823.8	2801.8	2752.2	2669.7	2598.1	2757.7	3621.9	4651.3	5212.7	5333.8	5482.4
20°	2878.8	2856.8	2807.3	2724.7	2642.1	2664.1	3396.2	4843.9	5708.1	5900.8	6120.9
22.5°	2889.8	2862.3	2807.3	2724.7	2675.2	2658.6	3181.6	4959.5	6242.0	6539.3	6792.5
25°	2884.3	2834.8	2763.2	2702.7	2675.2	2669.7	3032.9	5025.6	6820.0	7293.4	7579.6
27.5°	2845.8	2785.2	2713.7	2669.7	2658.6	2691.7	2966.9	5102.6	7497.0	8102.5	8559.4
30°	2801.8	2713.7	2625.6	2609.1	2636.6	2741.2	3021.9	5130.1	8207.1	8983.2	9451.1
32.5°	2686.2	2620.1	2532.0	2526.5	2592.6	2779.7	3148.5	5091.6	8834.6	9864.0	10452.9
35°	2521.0	2482.5	2433.0	2449.5	2554.1	2812.8	3236.6	4970.5	9407.1	10684.1	11372.2
37.5°	2229.3	2256.8	2284.3	2322.9	2455.0	2807.3	3275.1	4777.9	9880.5	11339.1	12219.9
40°	1904.5	1998.1	2086.2	2185.3	2361.4	2763.2	3286.1	4541.2	10155.7	11834.5	12974.0
42.5°	1700.9	1788.9	1899.0	2042.1	2234.8	2664.1	3275.1	4276.9	10243.8	12175.8	13452.8
45°	1513.7	1618.3	1755.9	1904.5	2124.7	2521.0	3176.1	3990.7	10287.8	12335.4	13656.5
47.5°	1414.6	1475.2	1601.8	1750.4	1981.6	2344.9	2983.4	3781.5	10221.7	12368.5	13904.2
50°	1299.0	1381.6	1464.2	1607.3	1833.0	2124.7	2752.2	3660.5	10331.8	12693.2	14295.0
52.5°	1211.0	1255.0	1343.1	1475.2	1640.3	1921.0	2532.0	3561.4	10634.6	13023.5	14702.4
55°	1144.9	1194.5	1249.5	1359.6	1486.2	1717.4	2306.4	3412.8	10986.9	13375.8	15109.7
57.5°	1040.3	1073.4	1150.4	1266.0	1348.6	1519.2	2042.1	3236.6	10959.3	13100.6	14405.1
60°	*946.8*	*979.8*	*1062.4*	*1177.9*	*1227.5*	*1343.1*	*1783.4*	*3010.9*	*10430.9*	*12203.3*	*13106.1*
62.5°	842.2	880.7	979.8	1062.4	1106.4	1194.5	1513.7	2598.1	9330.0	10854.8	11586.8
65°	798.1	820.2	886.2	985.3	979.8	1062.4	1277.0	2042.1	7508.1	8295.2	8961.2
67.5°	847.7	880.7	869.7	897.2	880.7	924.7	1144.9	1640.3	5900.8	6247.5	6632.8
70°	836.7	913.7	952.3	897.2	770.6	820.2	990.8	1310.1	4221.9	4188.9	4172.4
72.5°	732.1	809.2	919.2	974.3	754.1	682.6	858.7	1133.9	2708.2	2697.2	2438.5
75°	622.0	677.0	809.2	880.7	649.5	550.4	737.6	963.3	1618.3	1640.3	1464.2
77.5°	572.5	544.9	677.0	776.1	528.4	423.8	594.5	726.6	891.7	902.7	836.7
80°	412.8	396.3	506.4	567.0	401.8	302.7	335.8	451.4	478.9	429.3	445.9
82.5°	264.2	269.7	302.7	363.3	247.7	165.1	231.2	302.7	258.7	209.2	247.7
85°	170.6	192.7	159.6	187.2	77.1	77.1	99.1	132.1	88.1	60.5	66.1
87.5°	0.0	0.0	11.0	22.0	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: P1501561
CATALOG NUMBER: GSS-SB6A-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3886.1	3886.1	*3886.1*	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1	3886.1
2.5°	3902.6	3897.1	*3897.1*	3908.2	3935.7	3946.7	3963.2	3957.7	3974.2	3963.2
5°	3979.7	3985.2	*4001.7*	4007.2	4023.7	4045.8	4051.3	4045.8	4056.8	4056.8
7.5°	4133.8	4155.9	*4144.8*	4172.4	4150.3	4122.8	4078.8	4045.8	4018.2	4029.2
10°	4392.5	4381.5	*4376.0*	4326.5	4227.4	4084.3	3968.7	3842.1	3820.1	3798.1
12.5°	4678.8	4667.8	*4667.8*	4497.1	4216.4	3919.2	3654.9	3456.8	3390.7	3385.2
15°	5080.6	5009.0	*4943.0*	4585.2	4023.7	3517.3	3209.1	3055.0	3016.4	3016.4
17.5°	5581.5	5394.3	*5284.3*	4519.1	3710.0	3253.1	3071.5	3032.9	3021.9	3049.5
20°	6203.5	5730.1	*5570.5*	4370.5	3594.4	3286.1	3198.1	3203.6	3209.1	3247.6
22.5°	6886.1	6038.4	*5774.2*	4370.5	3710.0	3495.3	3451.3	3511.8	3528.3	3561.4
25°	7645.7	6313.6	*5955.8*	4601.7	4051.3	3891.6	3836.6	3897.1	3941.2	3996.2
27.5°	8498.9	6599.8	*6269.6*	5020.0	4491.6	4392.5	4332.0	4359.5	4420.1	4486.1
30°	9264.0	7078.7	*6748.4*	5658.6	5091.6	4970.5	4865.9	4910.0	4976.0	5020.0
32.5°	9941.0	7662.2	*7381.5*	6330.1	5779.7	5570.5	5454.9	5443.9	5576.0	5543.0
35°	10563.0	8350.2	*8080.5*	7095.2	6478.7	6220.0	6065.9	6264.1	6176.0	6209.0
37.5°	11052.9	9065.8	*8851.1*	7827.3	7205.3	6853.0	6759.5	7001.6	7139.3	7177.8
40°	11454.7	9687.8	*9462.1*	8553.9	7871.3	7612.6	7761.3	8163.1	8146.6	8130.1
42.5°	11763.0	10221.7	*9974.0*	9104.3	8509.9	8559.4	8675.0	8944.7	9010.8	8917.2
45°	11900.6	10557.5	*10359.4*	9539.2	9236.4	9522.7	9572.2	9687.8	9643.8	9583.2
47.5°	12060.2	10854.8	*10645.6*	9935.5	10023.6	10304.3	10205.2	10111.7	9952.0	9858.4
50°	12329.9	11207.0	*11030.9*	10513.5	10832.7	10739.2	10353.8	10144.7	9819.9	9709.8
52.5°	12841.9	11873.1	*11741.0*	11427.2	11212.5	10673.1	10205.2	9830.9	9467.6	9319.0
55°	13298.7	12775.8	*12698.7*	12280.4	11096.9	10326.3	9698.8	9120.9	8498.9	8372.3
57.5°	13562.9	14273.0	*14361.1*	12643.7	10568.5	9539.2	8614.4	7689.7	7100.7	6996.1
60°	*12775.8*	*15891.3*	*15935.3*	*12572.1*	*9616.3*	*8119.0*	*6709.9*	*6054.9*	*5421.9*	*5240.2*
62.5°	11691.4	15555.5	*15517.0*	12142.8	7656.7	5922.8	5097.1	4788.9	4299.0	4150.3
65°	10051.1	12957.4	*13001.5*	10491.5	5091.6	4282.5	4282.5	3891.6	3346.7	3242.1
67.5°	8190.6	9990.6	*9891.5*	6803.5	3126.5	3429.3	3594.4	3032.9	2267.8	2141.2
70°	5322.8	7629.2	*7491.5*	3924.7	1965.1	2856.8	2829.3	2278.8	1623.8	1535.7
72.5°	2289.8	4409.1	*4689.8*	2003.6	1480.7	2300.9	2256.8	1596.3	1084.4	1045.8
75°	1381.6	2218.3	*2416.4*	1277.0	1078.9	1733.9	1563.3	1012.8	737.6	710.1
77.5°	875.2	1216.5	*1205.5*	957.8	809.2	1172.4	1051.3	699.1	500.9	478.9
80°	506.4	600.0	*622.0*	600.0	544.9	836.7	671.5	506.4	390.8	363.3
82.5°	324.8	374.3	*379.8*	291.7	302.7	539.4	363.3	297.2	225.7	203.7
85°	143.1	159.6	*154.1*	99.1	99.1	220.2	126.6	121.1	88.1	88.1
87.5°	5.5	11.0	*5.5*	5.5	5.5	22.0	11.0	16.5	16.5	16.5
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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

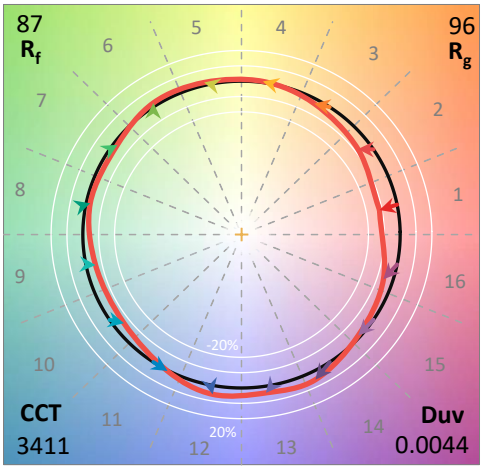
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

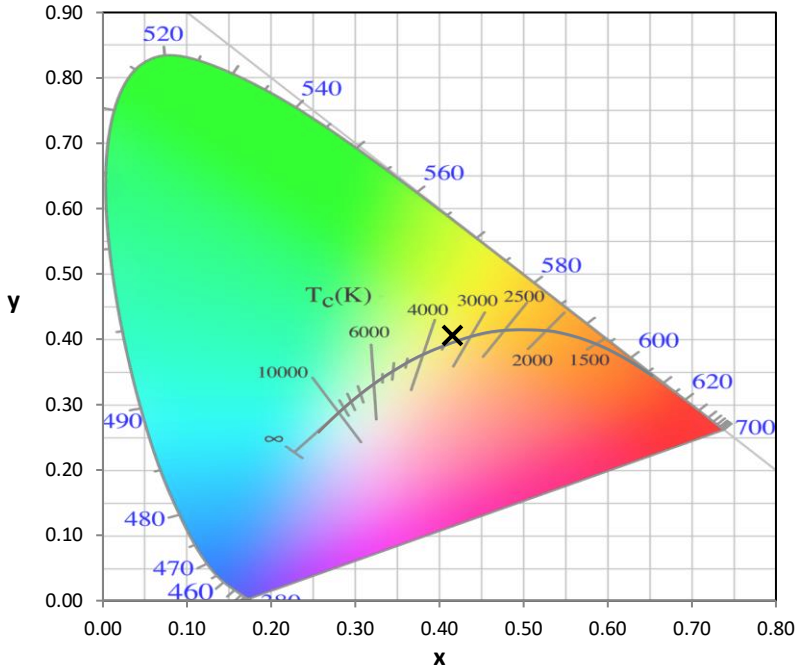
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

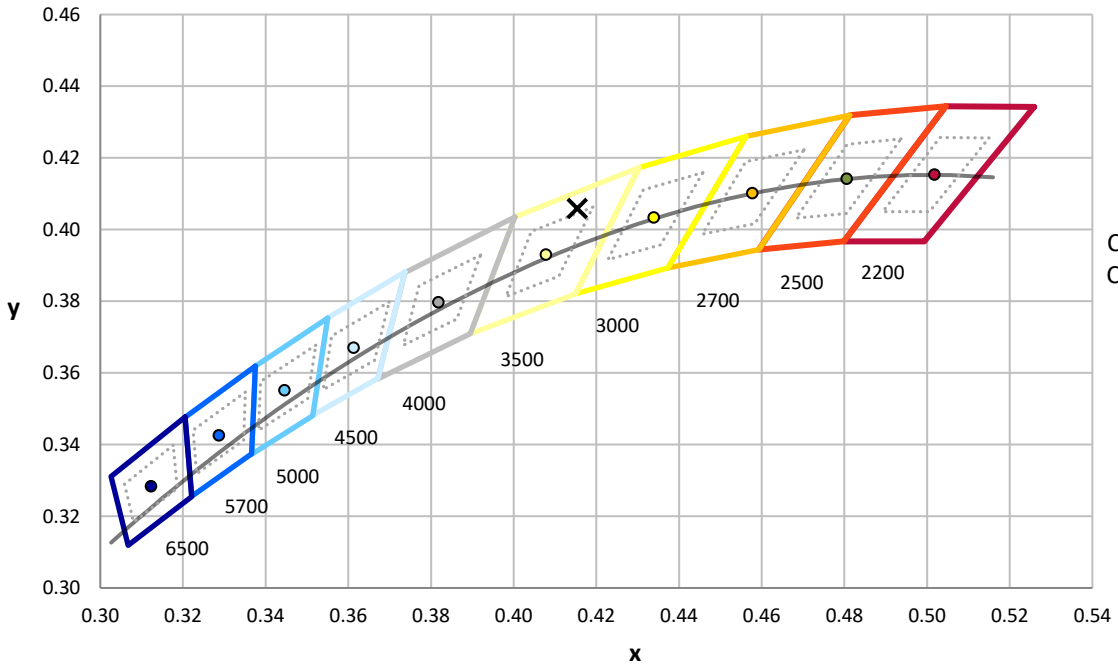
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

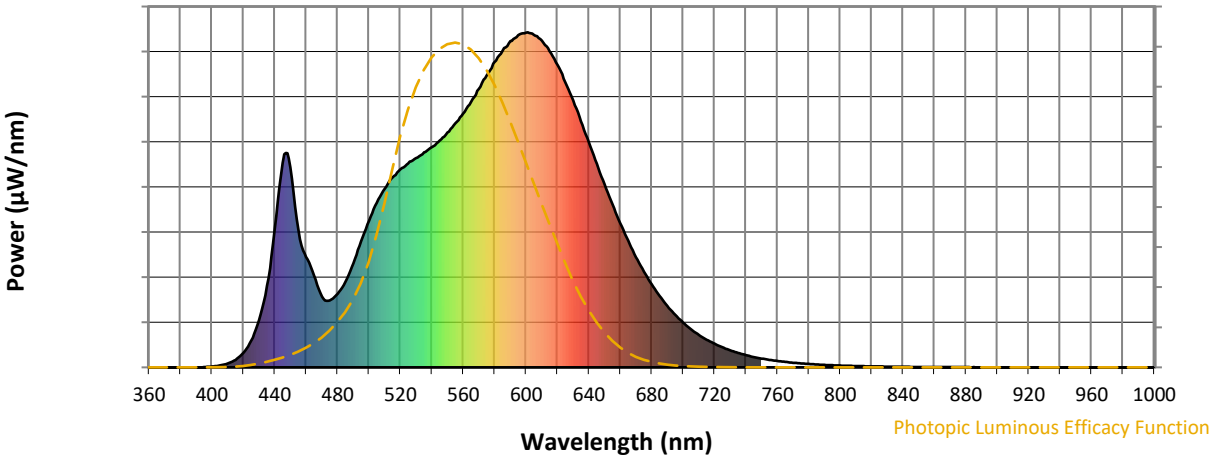


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

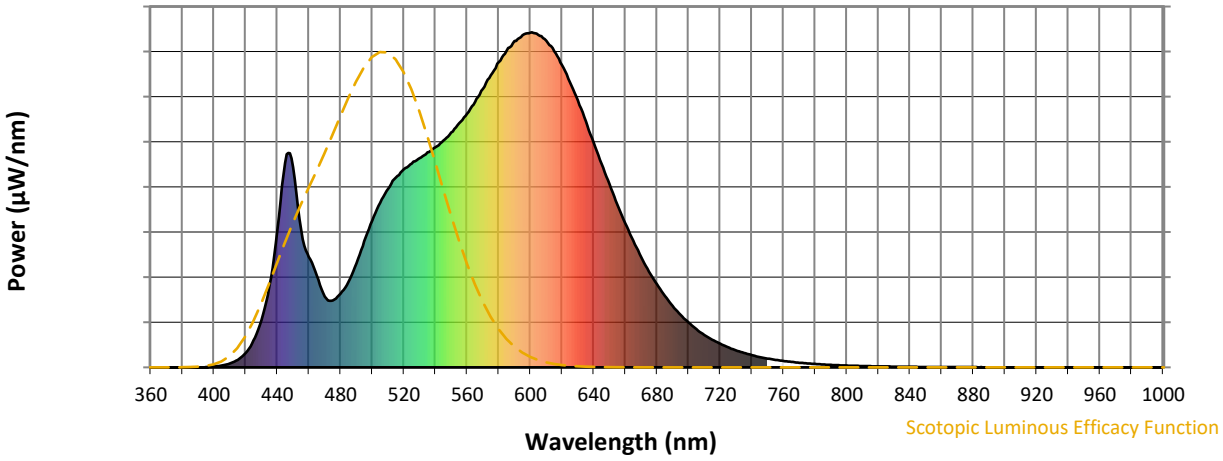


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

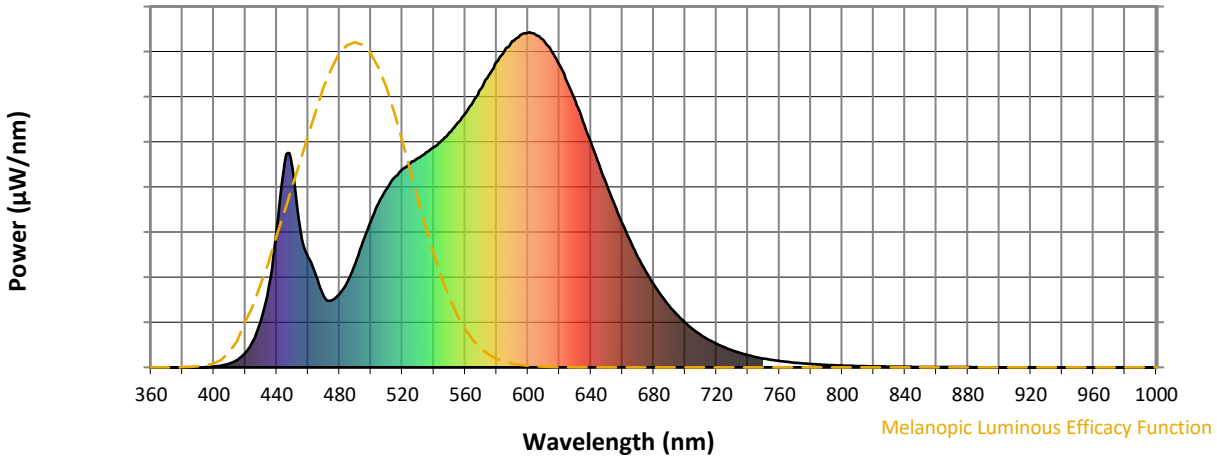


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

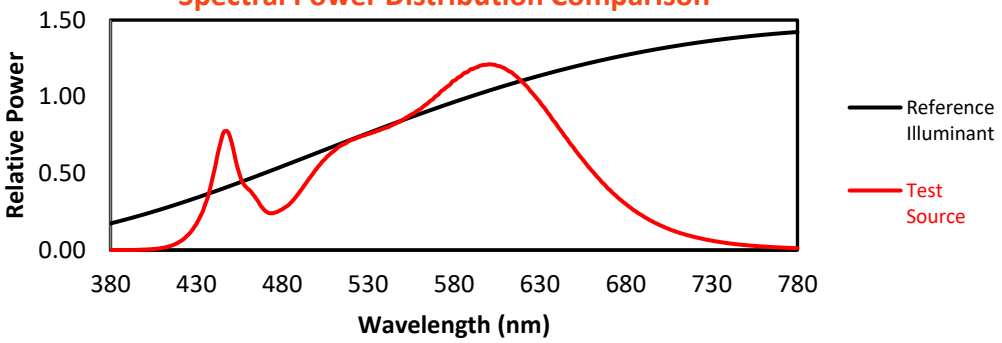
REPORT NUMBER: SP1-2407-184-10

TM-30-18

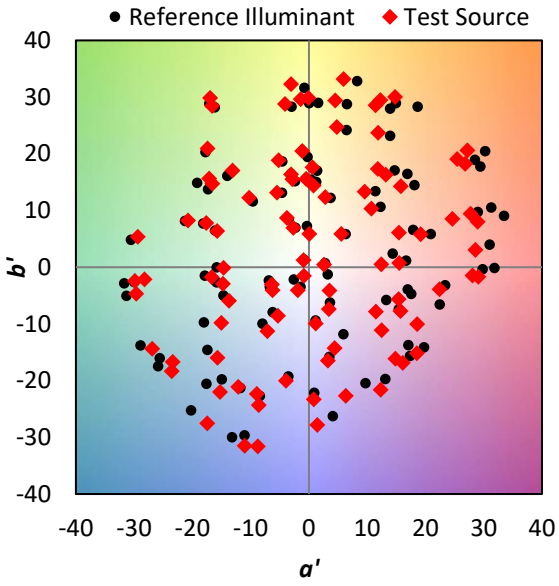
Summary

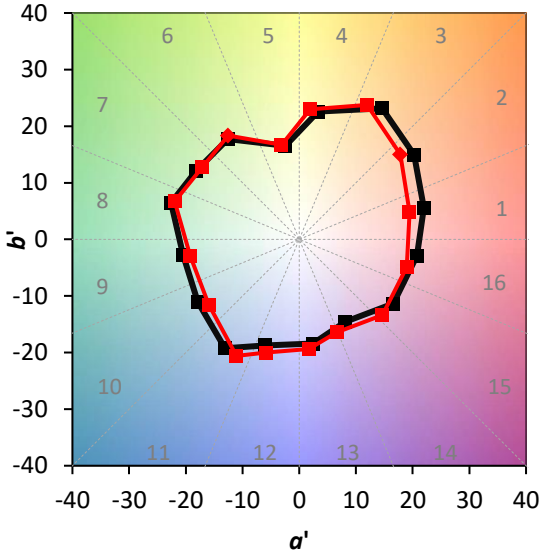
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

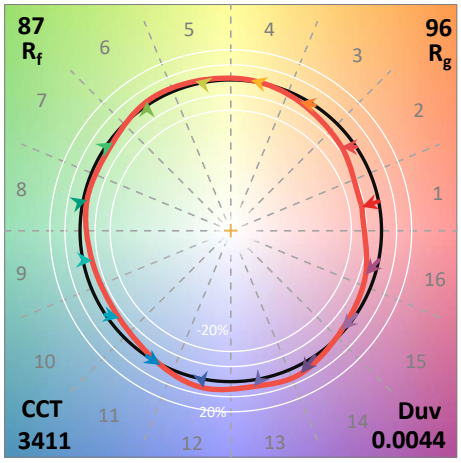
Spectral Power Distribution Comparison

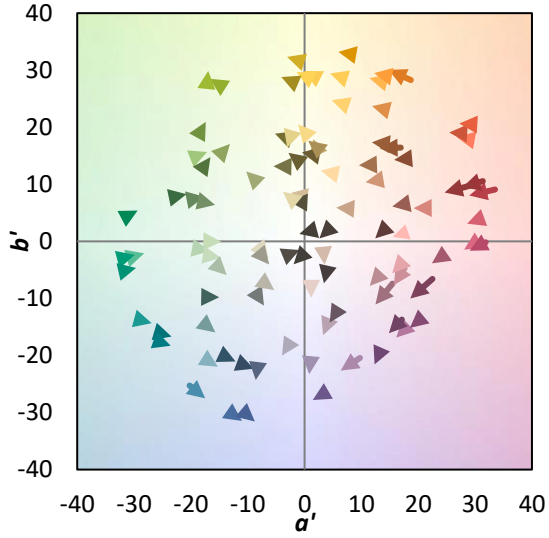


Color Vector Graphics







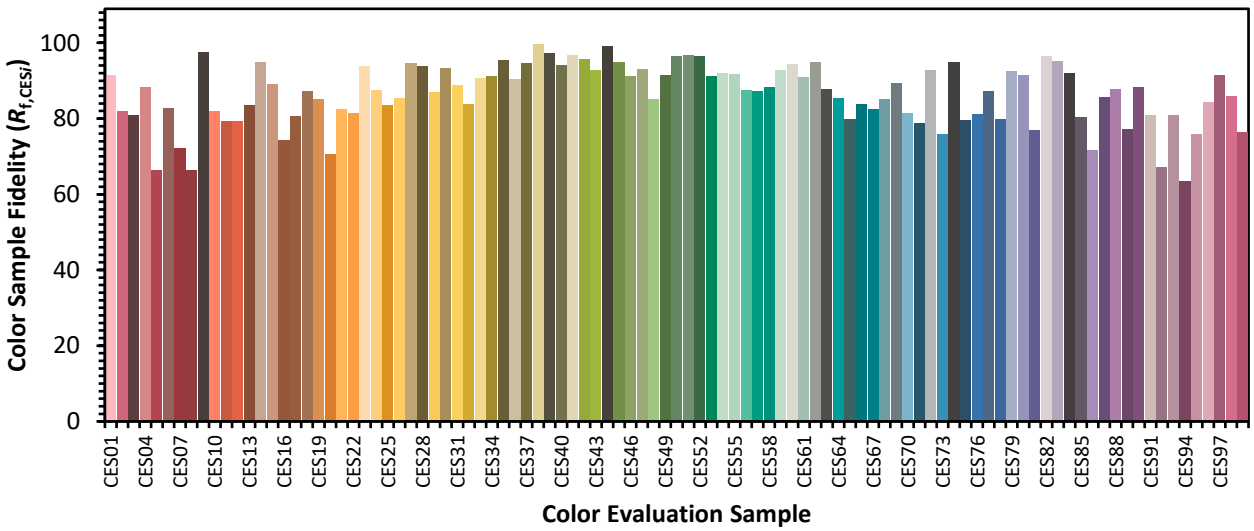


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Individual Sample Fidelity Index ($R_{f,i}$)

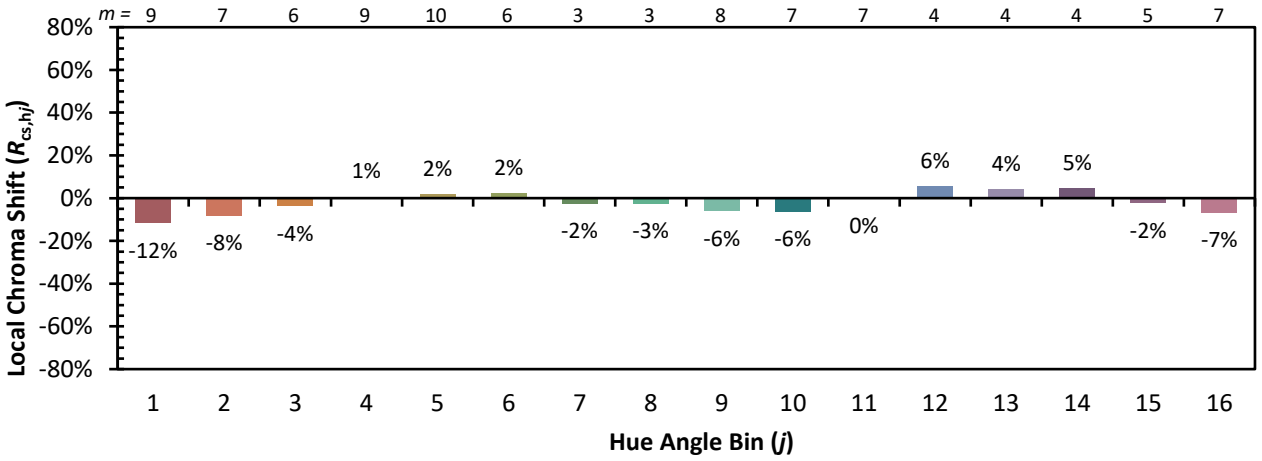
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

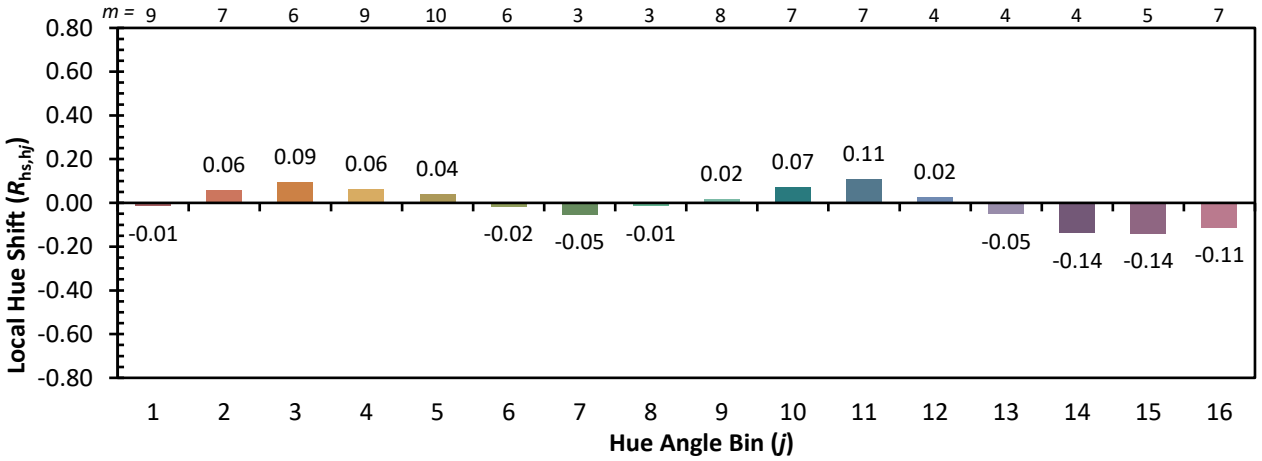


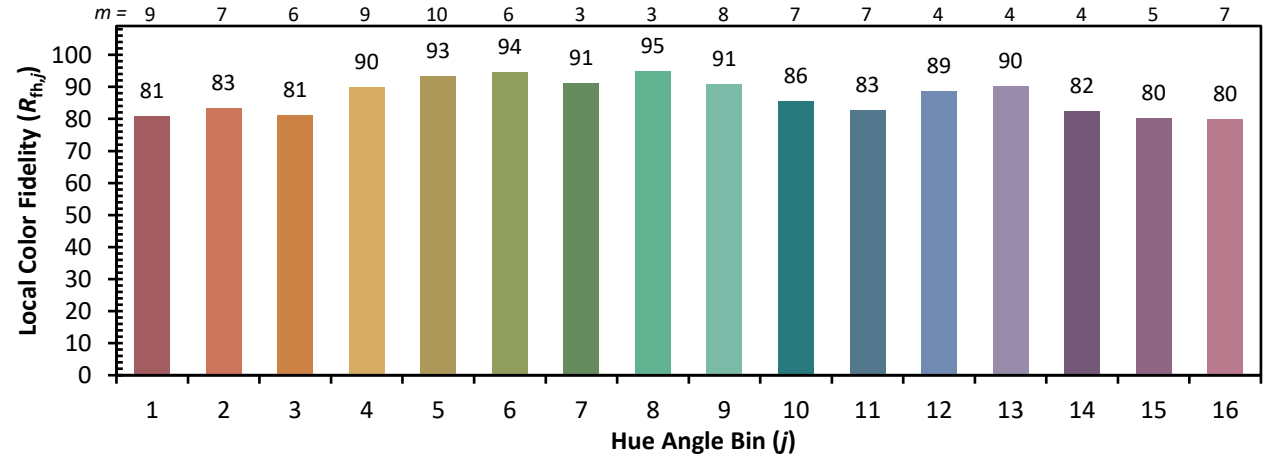
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Color Rendition by Hue-Angle Bin



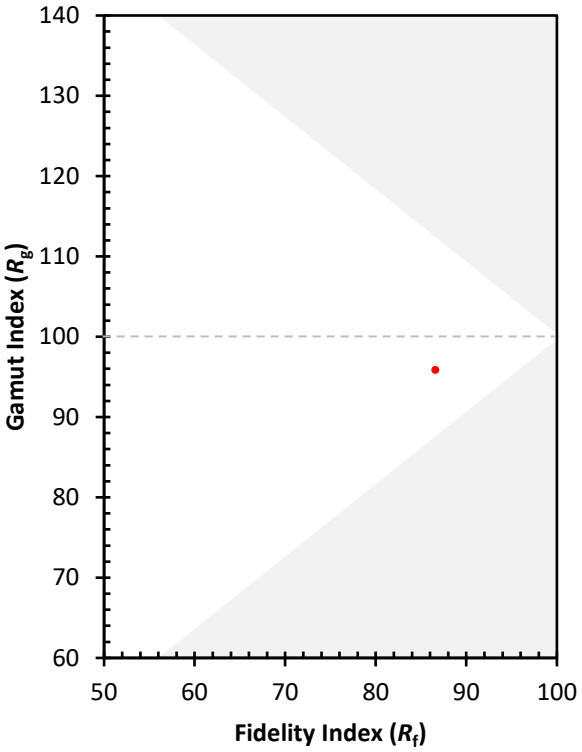


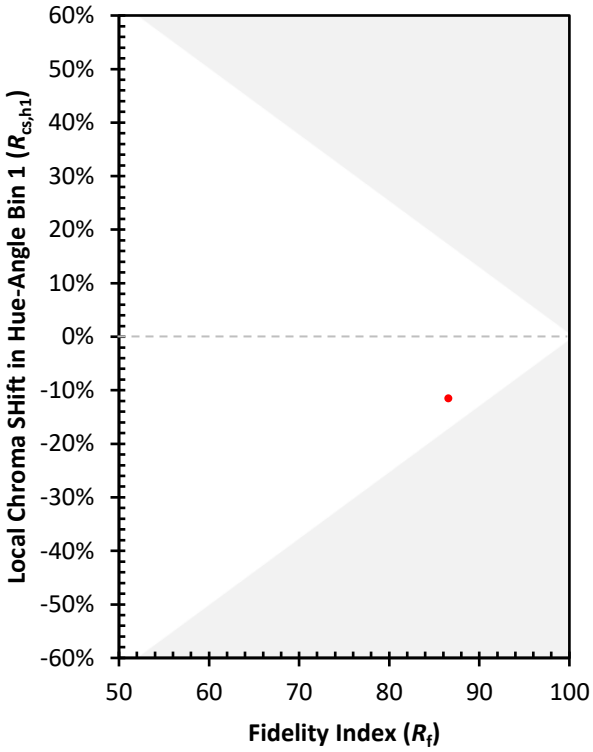


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Measure Comparisons





(END OF REPORT)