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: P1501552

Luminaire Tested: GSS-SB3D-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:	P1501552
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26450 lumens
Efficiency:	N/A
Efficacy:	120.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

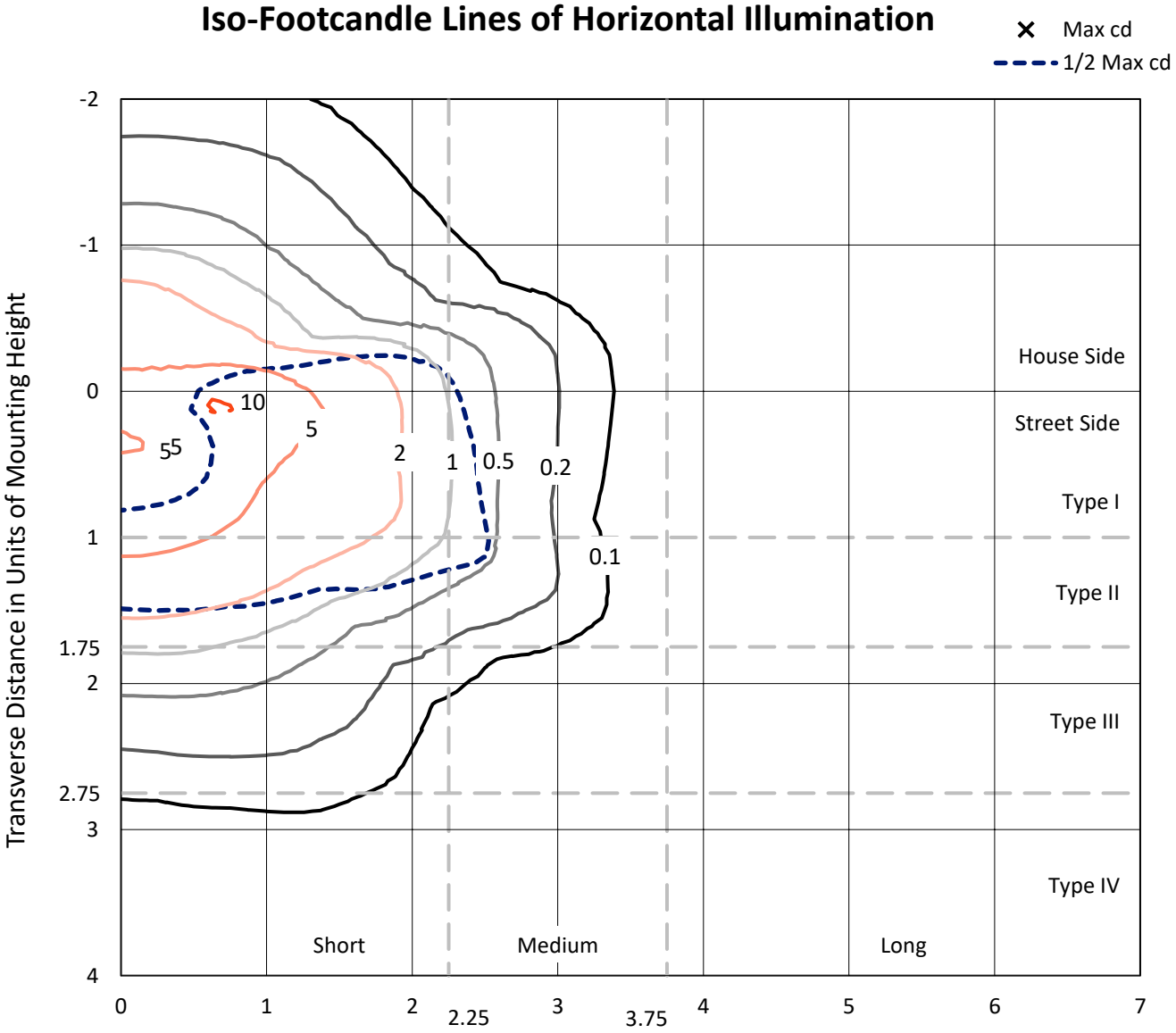
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



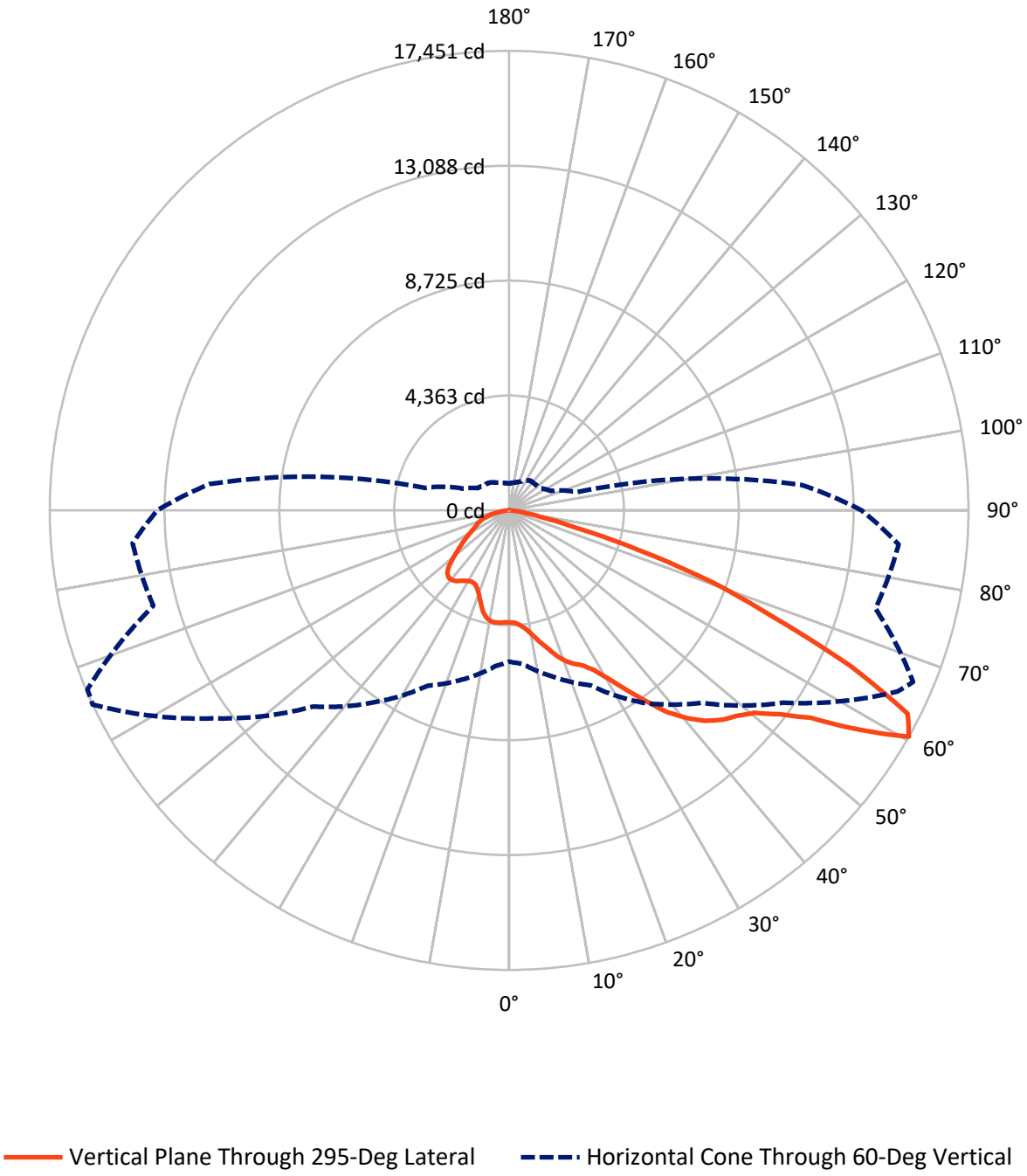
Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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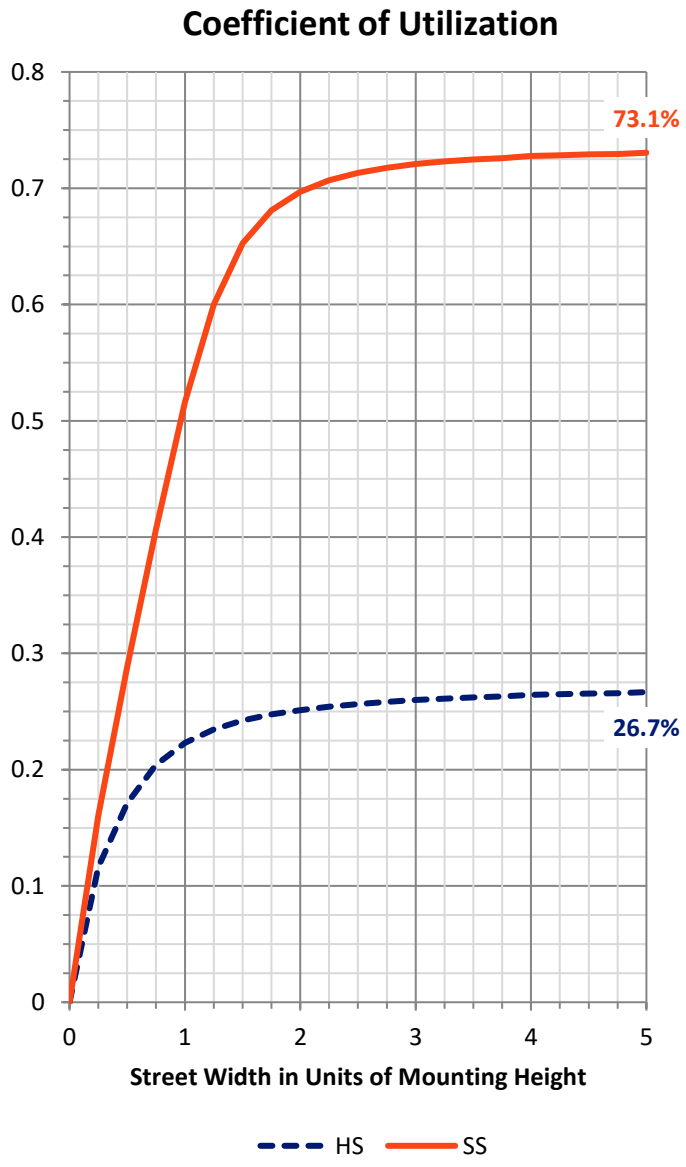
REPORT NUMBER: P1501552
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7112.7	0.0	7112.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	19337.3	0.0	19337.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	26450.0	0.0	26450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.1	1.5
10°-20°	1150.3	4.3
20°-30°	2178.8	8.2
30°-40°	3841.1	14.5
40°-50°	5680.5	21.5
50°-60°	6670.5	25.2
60°-70°	4833.1	18.3
70°-80°	1490.5	5.6
80°-90°	205.2	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°	26450.0	100.0
0°-180°	26450.0	100.0



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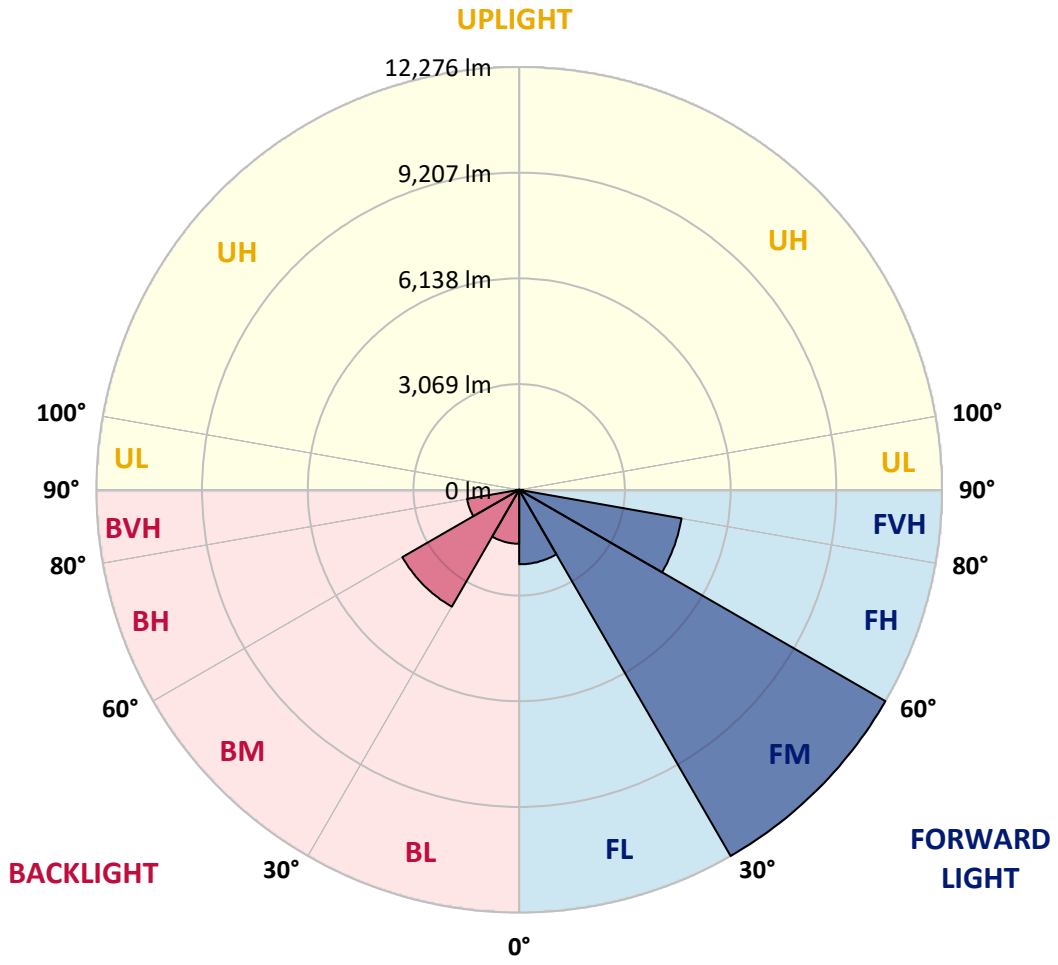
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2162.7	8.2			
FM	(30°-60°)	12275.6	46.4			
FH	(60°-80°)	4788.3	18.1			G2/5000
FVH	(80°-90°)	110.7	0.4			G2/225
BL	(0°-30°)	1566.5	5.9	B3/2500		
BM	(30°-60°)	3916.5	14.8	B3/5000		
BH	(60°-80°)	1535.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	94.5	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°	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7
2.5°	4340.1	4352.1	4334.1	4346.1	4346.1	4328.0	4322.0	4297.9	4309.9	4303.9	4297.9
5°	4442.6	4448.6	4436.5	4454.6	4454.6	4460.6	4454.6	4424.5	4424.5	4424.5	4412.4
7.5°	4412.4	4412.4	4418.4	4478.7	4539.0	4617.4	4617.4	4605.3	4617.4	4611.3	4557.1
10°	4159.2	4183.4	4237.6	4388.3	4533.0	4701.8	4816.3	4852.4	4852.4	4858.5	4768.1
12.5°	3707.1	3725.2	3851.8	4080.9	4382.3	4689.7	4967.0	5147.8	5165.9	5196.0	5075.5
15°	3303.3	3315.3	3405.8	3640.8	3984.4	4526.9	5051.4	5425.1	5485.4	5612.0	5431.1
17.5°	3339.4	3333.4	3357.5	3448.0	3695.1	4261.7	5033.3	5750.6	5859.1	6082.1	5925.4
20°	3556.5	3556.5	3574.5	3592.6	3683.0	4068.8	4900.7	6015.8	6226.8	6660.8	6480.0
22.5°	3900.0	3900.0	3894.0	3924.2	3924.2	4153.2	4906.7	6214.8	6528.2	7305.8	7131.0
25°	4376.2	4352.1	4352.1	4364.2	4309.9	4472.7	5057.4	6419.7	6829.6	8071.3	7920.6
27.5°	4912.7	4930.8	4918.8	4876.6	4804.2	4930.8	5419.1	6739.2	7167.2	8879.1	8818.8
30°	5497.4	5503.5	5515.5	5491.4	5431.1	5521.5	5985.7	7221.4	7613.2	9723.0	9855.6
32.5°	6070.1	6154.5	6124.3	6064.1	6088.2	6250.9	6684.9	7872.4	8276.3	10506.6	10976.8
35°	6799.5	6829.6	6950.2	6727.1	6733.1	7010.4	7577.1	8728.4	9120.2	11320.4	12098.0
37.5°	7860.4	7914.6	7860.4	7510.7	7456.5	7842.3	8445.1	9572.3	9855.6	11935.2	13140.8
40°	8903.2	8969.5	9059.9	8650.0	8306.4	8625.9	9264.9	10217.3	10512.6	12272.8	13834.0
42.5°	9765.2	9873.7	9777.2	9656.7	9343.2	9403.5	9837.5	10717.6	11012.9	12700.8	14533.2
45°	10494.5	10512.6	10554.8	10470.4	10313.7	10259.5	10325.8	11157.6	11483.1	12893.6	14876.8
47.5°	10795.9	10874.3	10910.5	11055.1	11217.9	11109.4	10741.7	11362.6	11657.9	12881.6	14985.3
50°	10633.2	10711.6	10904.4	11248.0	11639.8	11832.7	11230.0	11645.9	11977.4	13098.6	15208.4
52.5°	10205.2	10289.6	10603.1	10994.9	11651.9	12091.9	11917.1	12236.6	12556.1	13484.4	15582.1
55°	9168.4	9295.0	9735.0	10386.0	11290.2	11953.3	12640.5	13104.6	13454.2	13948.5	15967.9
57.5°	7661.4	7794.1	8288.3	9264.9	10621.1	11380.6	12851.5	14732.2	14888.9	14503.1	16004.0
60°	*5738.5*	*5847.0*	*6546.3*	*7329.9*	*8921.3*	*10331.8*	*12730.9*	*16275.3*	*16673.1*	*14406.6*	*14852.7*
62.5°	4545.0	4677.6	5298.5	5660.2	6799.5	8535.5	12308.9	16703.3	17046.9	13611.0	13249.3
65°	3550.4	3640.8	4219.5	4737.9	5015.2	5829.0	10548.8	14611.6	14919.0	12315.0	10934.6
67.5°	2344.8	2483.5	3170.7	3882.0	4026.6	3707.1	7257.6	11242.0	11386.7	9789.3	8222.0
70°	1681.8	1748.1	2260.5	3020.0	3237.0	2483.5	3954.3	8511.4	8553.6	6570.4	5539.6
72.5°	1145.3	1157.4	1537.1	2314.7	2579.9	1802.3	2176.1	5605.9	5461.3	3243.0	3170.7
75°	777.6	789.7	982.5	1543.1	1826.4	1253.8	1416.6	3056.1	2935.6	1790.3	1922.9
77.5°	524.4	536.5	675.1	1036.8	1217.6	868.0	1036.8	1615.5	1585.3	1187.5	1030.8
80°	397.8	415.9	500.3	663.1	849.9	506.3	590.7	765.5	777.6	632.9	524.4
82.5°	223.0	247.1	301.4	337.6	548.5	283.3	283.3	458.1	440.0	391.8	283.3
85°	96.4	102.5	120.6	126.6	223.0	120.6	102.5	198.9	204.9	192.9	90.4
87.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	24.1	24.1	24.1	24.1
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°	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7
2.5°	4267.7	4303.9	4267.7	4249.7	4249.7	4219.5	4207.5	4207.5	4165.3	4183.4	4171.3
5°	4364.2	4376.2	4334.1	4279.8	4207.5	4147.2	4062.8	3954.3	3888.0	3882.0	3888.0
7.5°	4514.9	4520.9	4406.4	4285.8	4105.0	3888.0	3628.8	3417.8	3230.9	3200.8	3237.0
10°	4725.9	4713.8	4545.0	4261.7	3882.0	3423.8	3026.0	2833.1	2724.6	2718.6	2712.5
12.5°	5009.2	4930.8	4671.6	4159.2	3496.2	2965.7	2760.8	2748.7	2778.9	2803.0	2809.0
15°	5334.7	5232.2	4774.1	3960.3	3104.4	2796.9	2809.0	2911.5	2947.6	2971.7	2971.7
17.5°	5738.5	5605.9	4888.6	3677.0	2905.4	2833.1	2917.5	3013.9	3074.2	3098.3	3092.3
20°	6275.0	5997.7	4979.0	3405.8	2851.2	2893.4	2965.7	3062.2	3122.4	3152.6	3152.6
22.5°	6811.5	6467.9	4997.1	3218.9	2851.2	2899.4	2965.7	3062.2	3128.5	3158.6	3152.6
25°	7540.9	7070.7	5003.1	3086.3	2857.2	2869.3	2929.6	3013.9	3110.4	3140.5	3152.6
27.5°	8318.5	7733.8	5033.3	3056.1	2833.1	2827.1	2869.3	2947.6	3044.1	3122.4	3128.5
30°	9282.9	8481.2	5045.3	3086.3	2839.1	2760.8	2790.9	2869.3	2971.7	3050.1	3074.2
32.5°	10229.3	9174.4	5021.2	3152.6	2851.2	2718.6	2724.6	2772.8	2881.3	2935.6	2977.8
35°	11230.0	9909.8	4979.0	3243.0	2857.2	2700.5	2646.2	2670.4	2742.7	2748.7	2766.8
37.5°	12013.6	10458.4	4852.4	3363.6	2869.3	2634.2	2525.7	2507.6	2477.5	2417.2	2429.2
40°	12658.6	10826.1	4641.5	3423.8	2839.1	2555.8	2375.0	2290.6	2176.1	2085.6	2103.7
42.5°	13122.7	11073.2	4388.3	3435.9	2790.9	2423.2	2200.2	2055.5	1928.9	1832.5	1838.5
45°	13327.7	11049.1	4117.0	3345.5	2676.4	2260.5	2037.4	1898.8	1760.1	1657.7	1645.6
47.5°	13333.7	10814.0	3743.3	3128.5	2483.5	2073.6	1886.7	1736.0	1621.5	1549.2	1543.1
50°	13381.9	10681.4	3393.7	2815.0	2230.3	1874.7	1754.1	1603.4	1537.1	1434.6	1404.5
52.5°	13683.3	10898.4	3152.6	2471.4	1995.2	1730.0	1639.6	1507.0	1398.5	1332.2	1326.1
55°	14171.6	11272.1	3020.0	2212.2	1772.2	1591.4	1531.1	1416.6	1320.1	1253.8	1235.7
57.5°	14231.8	11465.0	2863.2	1971.1	1591.4	1482.9	1458.7	1332.2	1193.5	1145.3	1127.2
60°	*13387.9*	*11139.5*	*2670.4*	*1748.1*	*1458.7*	*1398.5*	*1386.4*	*1217.6*	*1103.1*	*1042.8*	*1018.7*
62.5°	12236.6	10325.8	2375.0	1543.1	1356.3	1314.1	1265.9	1133.2	988.6	922.3	904.2
65°	10000.3	8680.2	2019.3	1404.5	1253.8	1205.6	1193.5	1012.7	916.2	880.1	874.0
67.5°	7577.1	6974.3	1778.2	1302.0	1145.3	1127.2	1085.0	1024.7	982.5	940.4	928.3
70°	5358.8	5033.3	1513.0	1169.4	1036.8	1006.7	1181.5	1115.2	964.5	910.2	904.2
72.5°	3249.0	3158.6	1308.1	1048.9	892.1	940.4	1091.0	1006.7	868.0	801.7	777.6
75°	2049.5	1874.7	1097.1	892.1	711.3	765.5	952.4	898.2	747.5	681.2	663.1
77.5°	1115.2	1036.8	825.8	729.4	560.6	620.9	831.8	741.4	596.8	651.0	578.7
80°	488.3	542.5	548.5	422.0	373.7	458.1	596.8	578.7	458.1	464.1	385.8
82.5°	235.1	307.4	355.6	289.3	211.0	271.3	397.8	331.5	307.4	289.3	277.3
85°	72.3	114.5	156.7	138.6	96.4	114.5	186.9	180.8	217.0	186.9	174.8
87.5°	24.1	24.1	18.1	18.1	18.1	24.1	30.1	18.1	6.0	6.0	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°	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7
2.5°	4165.3	4171.3	4171.3	4177.3	4177.3	4195.4	4219.5	4243.6	4225.5	4249.7	4255.7
5°	3875.9	3906.1	3930.2	4020.6	4092.9	4153.2	4219.5	4279.8	4297.9	4309.9	4340.1
7.5°	3194.8	3279.2	3435.9	3640.8	3869.9	4092.9	4243.6	4400.4	4424.5	4454.6	4496.8
10°	2718.6	2754.7	2863.2	3074.2	3484.1	3924.2	4291.9	4539.0	4641.5	4701.8	4743.9
12.5°	2796.9	2772.8	2754.7	2784.9	3050.1	3616.7	4261.7	4737.9	4930.8	4997.1	5051.4
15°	2983.8	2959.7	2893.4	2809.0	2839.1	3291.2	4159.2	4924.8	5232.2	5340.7	5455.2
17.5°	3092.3	3068.2	3013.9	2923.5	2845.2	3020.0	3966.3	5093.6	5708.4	5841.0	6003.8
20°	3152.6	3128.5	3074.2	2983.8	2893.4	2917.5	3719.2	5304.5	6250.9	6461.9	6703.0
22.5°	3164.6	3134.5	3074.2	2983.8	2929.6	2911.5	3484.1	5431.1	6835.6	7161.1	7438.4
25°	3158.6	3104.4	3026.0	2959.7	2929.6	2923.5	3321.4	5503.5	7468.6	7986.9	8300.4
27.5°	3116.4	3050.1	2971.7	2923.5	2911.5	2947.6	3249.0	5587.9	8210.0	8873.0	9373.4
30°	3068.2	2971.7	2875.3	2857.2	2887.4	3001.9	3309.3	5618.0	8987.6	9837.5	10349.9
32.5°	2941.6	2869.3	2772.8	2766.8	2839.1	3044.1	3448.0	5575.8	9674.8	10802.0	11447.0
35°	2760.8	2718.6	2664.3	2682.4	2796.9	3080.2	3544.4	5443.2	10301.7	11700.1	12453.6
37.5°	2441.3	2471.4	2501.6	2543.8	2688.4	3074.2	3586.6	5232.2	10820.1	12417.4	13381.9
40°	2085.6	2188.1	2284.6	2393.1	2586.0	3026.0	3598.6	4973.0	11121.4	12960.0	14207.7
42.5°	1862.6	1959.1	2079.6	2236.3	2447.3	2917.5	3586.6	4683.7	11217.9	13333.7	14732.2
45°	1657.7	1772.2	1922.9	2085.6	2326.8	2760.8	3478.1	4370.2	11266.1	13508.5	14955.2
47.5°	1549.2	1615.5	1754.1	1916.9	2170.0	2567.9	3267.1	4141.2	11193.8	13544.7	15226.4
50°	1422.6	1513.0	1603.4	1760.1	2007.3	2326.8	3013.9	4008.5	11314.3	13900.3	15654.4
52.5°	1326.1	1374.4	1470.8	1615.5	1796.3	2103.7	2772.8	3900.0	11645.9	14262.0	16100.5
55°	1253.8	1308.1	1368.3	1488.9	1627.5	1880.7	2525.7	3737.3	12031.7	14647.8	16546.5
57.5°	1139.3	1175.4	1259.8	1386.4	1476.8	1663.7	2236.3	3544.4	12001.5	14346.4	15775.0
60°	*1036.8*	*1073.0*	*1163.4*	*1290.0*	*1344.2*	*1470.8*	*1953.0*	*3297.3*	*11422.8*	*13363.8*	*14352.4*
62.5°	922.3	964.5	1073.0	1163.4	1211.6	1308.1	1657.7	2845.2	10217.3	11887.0	12688.7
65°	874.0	898.2	970.5	1079.0	1073.0	1163.4	1398.5	2236.3	8222.0	9084.0	9813.4
67.5°	928.3	964.5	952.4	982.5	964.5	1012.7	1253.8	1796.3	6461.9	6841.7	7263.6
70°	916.2	1000.6	1042.8	982.5	843.9	898.2	1085.0	1434.6	4623.4	4587.2	4569.1
72.5°	801.7	886.1	1006.7	1066.9	825.8	747.5	940.4	1241.7	2965.7	2953.7	2670.4
75°	681.2	741.4	886.1	964.5	711.3	602.8	807.7	1054.9	1772.2	1796.3	1603.4
77.5°	626.9	596.8	741.4	849.9	578.7	464.1	651.0	795.7	976.5	988.6	916.2
80°	452.1	434.0	554.6	620.9	440.0	331.5	367.7	494.3	524.4	470.2	488.3
82.5°	289.3	295.4	331.5	397.8	271.3	180.8	253.2	331.5	283.3	229.1	271.3
85°	186.9	211.0	174.8	204.9	84.4	84.4	108.5	144.7	96.4	66.3	72.3
87.5°	0.0	0.0	12.1	24.1	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: P1501552
CATALOG NUMBER: GSS-SB3D-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4255.7	4255.7	*4255.7*	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7	4255.7
2.5°	4273.8	4267.7	*4267.7*	4279.8	4309.9	4322.0	4340.1	4334.1	4352.1	4340.1
5°	4358.2	4364.2	*4382.3*	4388.3	4406.4	4430.5	4436.5	4430.5	4442.6	4442.6
7.5°	4526.9	4551.1	*4539.0*	4569.1	4545.0	4514.9	4466.7	4430.5	4400.4	4412.4
10°	4810.3	4798.2	*4792.2*	4737.9	4629.4	4472.7	4346.1	4207.5	4183.4	4159.2
12.5°	5123.7	5111.6	*5111.6*	4924.8	4617.4	4291.9	4002.5	3785.5	3713.2	3707.1
15°	5563.7	5485.4	*5413.0*	5021.2	4406.4	3851.8	3514.3	3345.5	3303.3	3303.3
17.5°	6112.3	5907.3	*5786.8*	4948.9	4062.8	3562.5	3363.6	3321.4	3309.3	3339.4
20°	6793.4	6275.0	*6100.2*	4786.1	3936.2	3598.6	3502.2	3508.2	3514.3	3556.5
22.5°	7540.9	6612.6	*6323.3*	4786.1	4062.8	3827.7	3779.5	3845.8	3863.9	3900.0
25°	8372.7	6914.0	*6522.2*	5039.3	4436.5	4261.7	4201.4	4267.7	4316.0	4376.2
27.5°	9307.1	7227.4	*6865.8*	5497.4	4918.8	4810.3	4743.9	4774.1	4840.4	4912.7
30°	10144.9	7751.9	*7390.2*	6196.7	5575.8	5443.2	5328.7	5376.9	5449.2	5497.4
32.5°	10886.4	8390.8	*8083.4*	6932.1	6329.3	6100.2	5973.6	5961.6	6106.2	6070.1
35°	11567.5	9144.3	*8848.9*	7769.9	7094.8	6811.5	6642.7	6859.7	6763.3	6799.5
37.5°	12104.0	9927.9	*9692.8*	8571.7	7890.5	7504.7	7402.2	7667.5	7818.2	7860.4
40°	12544.0	10609.1	*10361.9*	9367.3	8619.9	8336.6	8499.3	8939.4	8921.3	8903.2
42.5°	12881.6	11193.8	*10922.5*	9970.1	9319.1	9373.4	9499.9	9795.3	9867.6	9765.2
45°	13032.3	11561.5	*11344.5*	10446.3	10114.8	10428.2	10482.5	10609.1	10560.9	10494.5
47.5°	13207.1	11887.0	*11657.9*	10880.3	10976.8	11284.2	11175.7	11073.2	10898.4	10795.9
50°	13502.5	12272.8	*12079.9*	11513.3	11862.9	11760.4	11338.5	11109.4	10753.7	10633.2
52.5°	14063.1	13002.2	*12857.5*	12513.9	12278.8	11688.1	11175.7	10765.8	10368.0	10205.2
55°	14563.4	13990.7	*13906.3*	13448.2	12152.2	11308.3	10621.1	9988.2	9307.1	9168.4
57.5°	14852.7	15630.3	*15726.8*	13846.1	11573.5	10446.3	9433.6	8421.0	7776.0	7661.4
60°	*13990.7*	*17402.5*	*17450.7*	*13767.7*	*10530.7*	*8891.1*	*7348.0*	*6630.7*	*5937.5*	*5738.5*
62.5°	12803.2	17034.8	*16992.6*	13297.5	8384.8	6486.0	5581.8	5244.3	4707.8	4545.0
65°	11006.9	14189.6	*14237.9*	11489.2	5575.8	4689.7	4689.7	4261.7	3665.0	3550.4
67.5°	8969.5	10940.6	*10832.1*	7450.5	3423.8	3755.4	3936.2	3321.4	2483.5	2344.8
70°	5829.0	8354.7	*8204.0*	4297.9	2152.0	3128.5	3098.3	2495.5	1778.2	1681.8
72.5°	2507.6	4828.3	*5135.8*	2194.2	1621.5	2519.7	2471.4	1748.1	1187.5	1145.3
75°	1513.0	2429.2	*2646.2*	1398.5	1181.5	1898.8	1711.9	1109.1	807.7	777.6
77.5°	958.4	1332.2	*1320.1*	1048.9	886.1	1283.9	1151.3	765.5	548.5	524.4
80°	554.6	657.0	*681.2*	657.0	596.8	916.2	735.4	554.6	428.0	397.8
82.5°	355.6	409.9	*415.9*	319.5	331.5	590.7	397.8	325.5	247.1	223.0
85°	156.7	174.8	*168.8*	108.5	108.5	241.1	138.6	132.6	96.4	96.4
87.5°	6.0	12.1	*6.0*	6.0	6.0	24.1	12.1	18.1	18.1	18.1
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

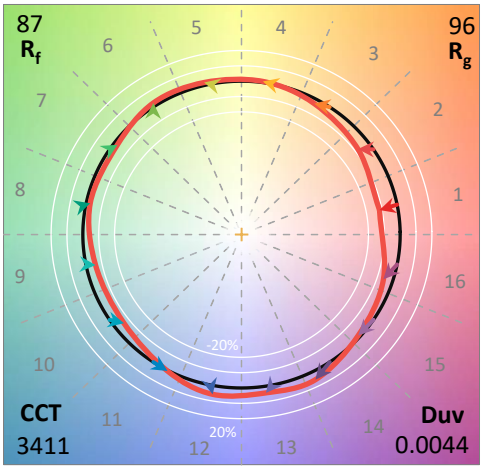
Test Information

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

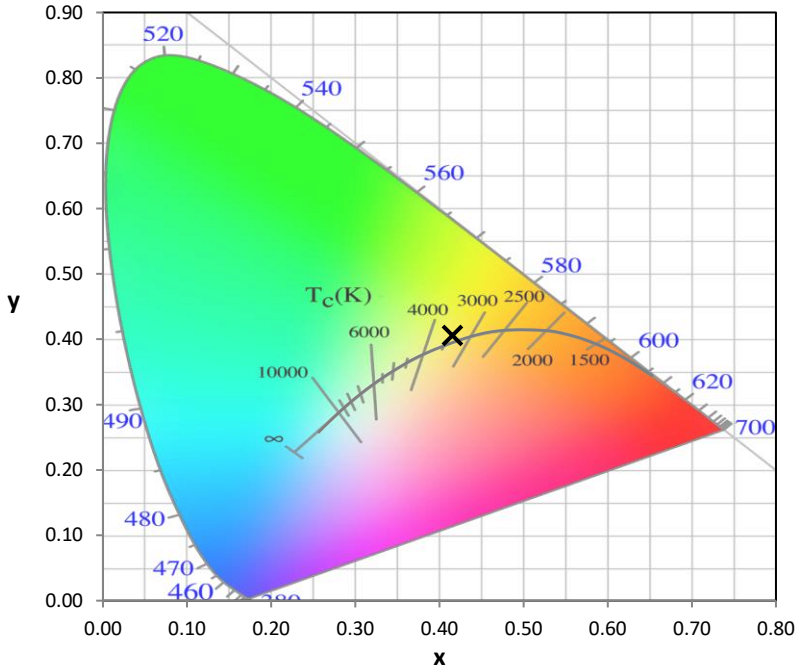
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

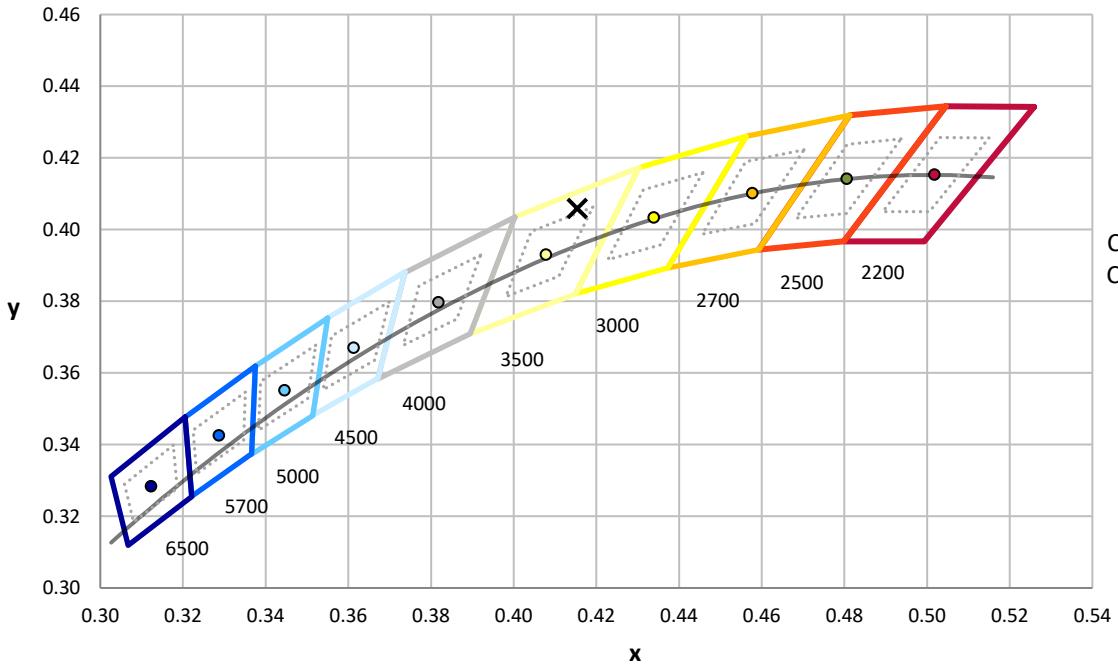
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

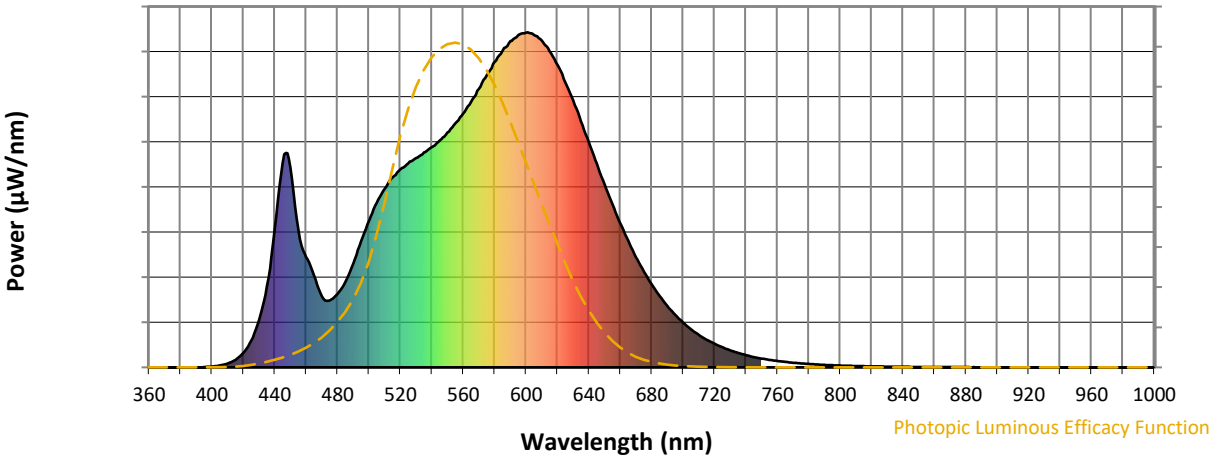


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

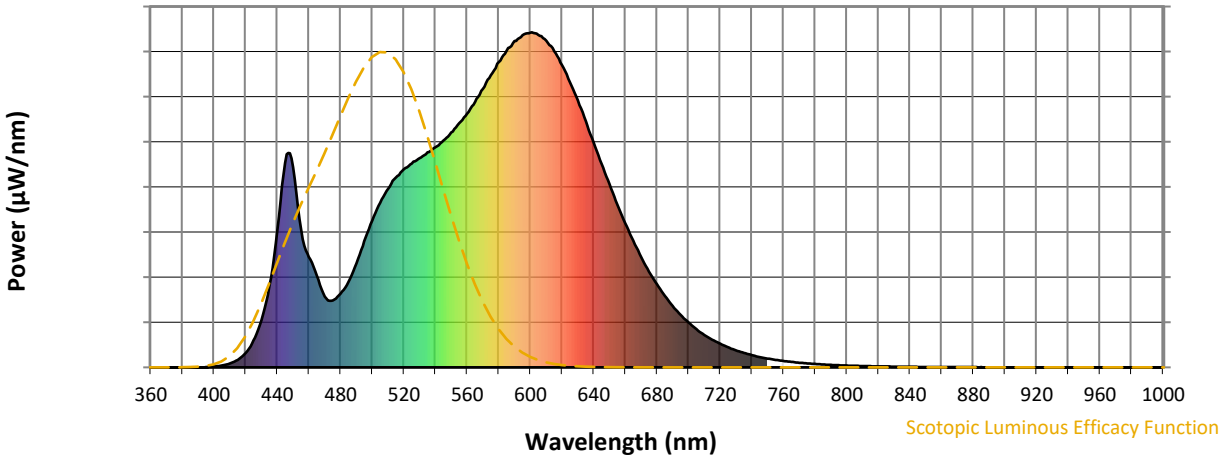


Photopic Lumens: NR

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

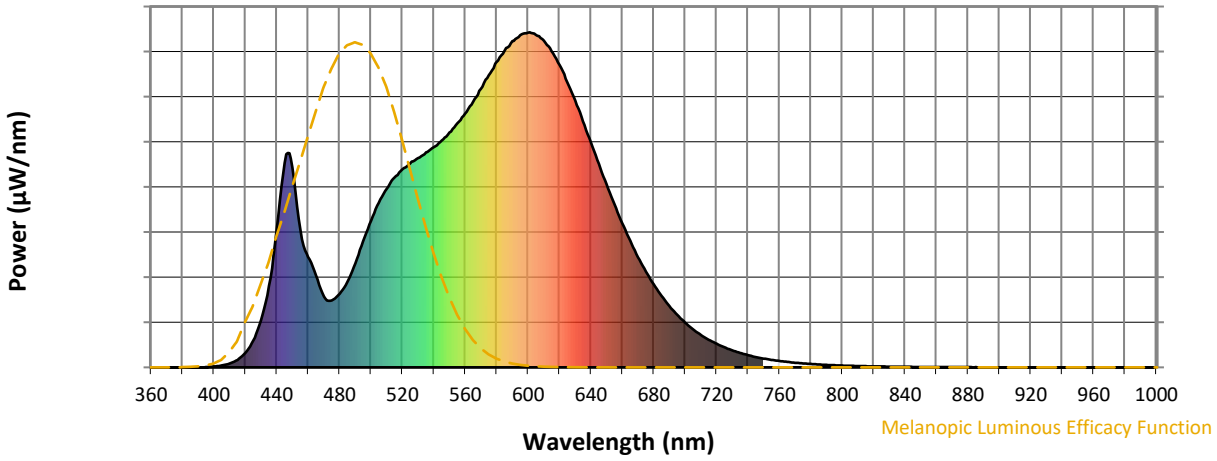


Scotopic Lumens: NR **S/P: 1.48**

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			

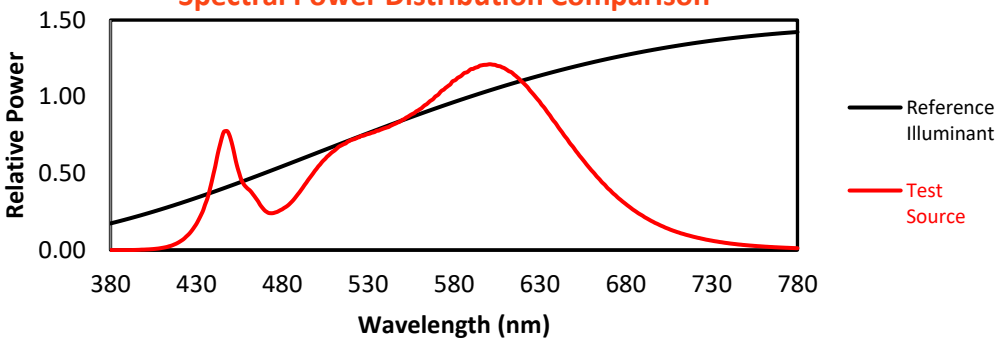
REPORT NUMBER: SP1-2407-184-10

TM-30-18

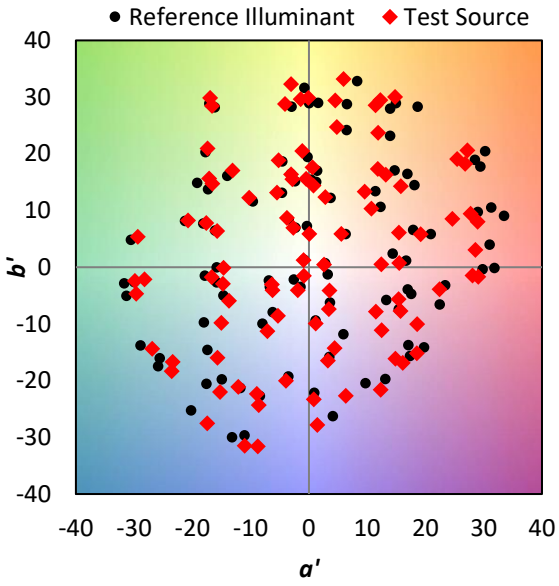
Summary

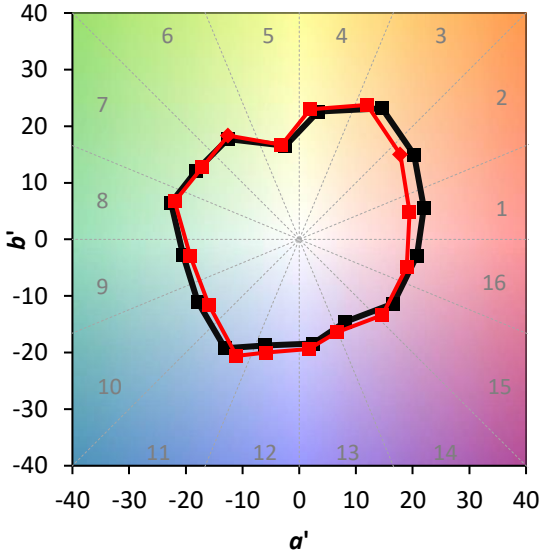
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

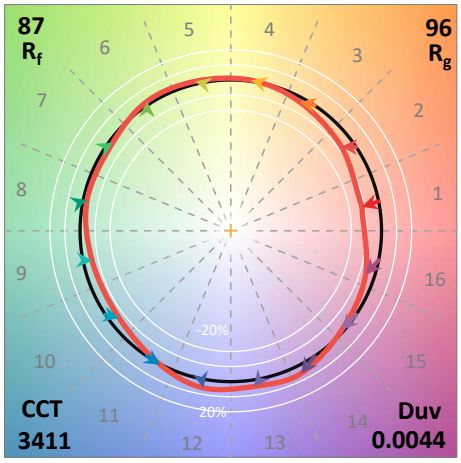
Spectral Power Distribution Comparison

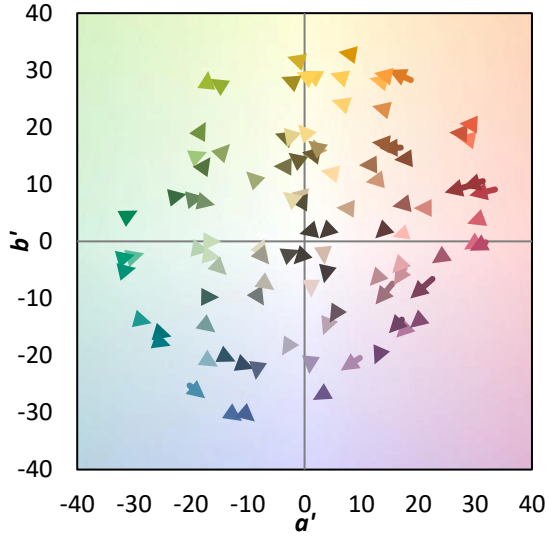


Color Vector Graphics







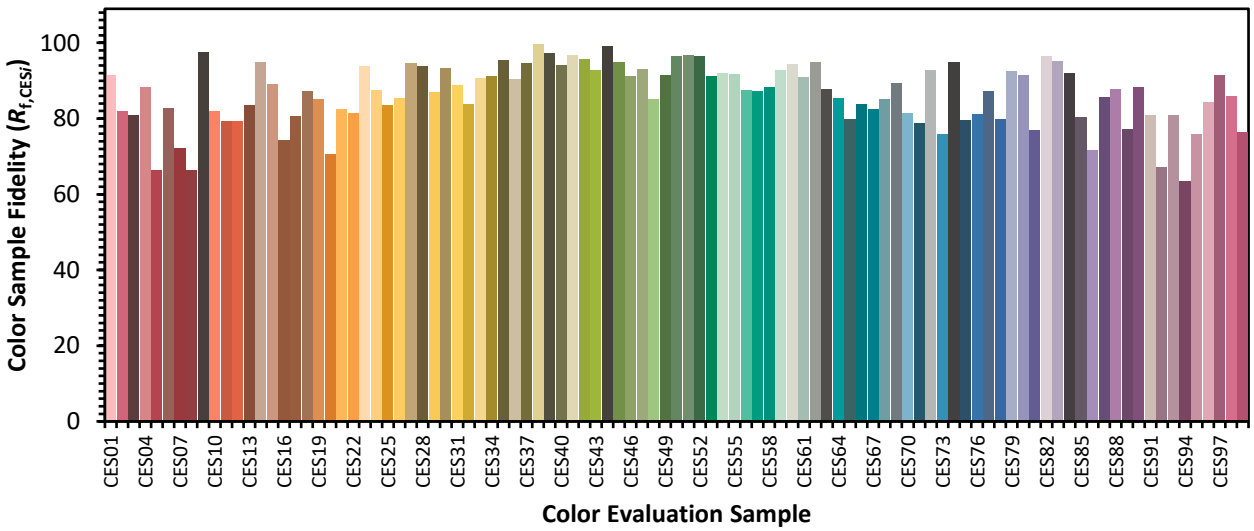


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Individual Sample Fidelity Index ($R_{f,i}$)

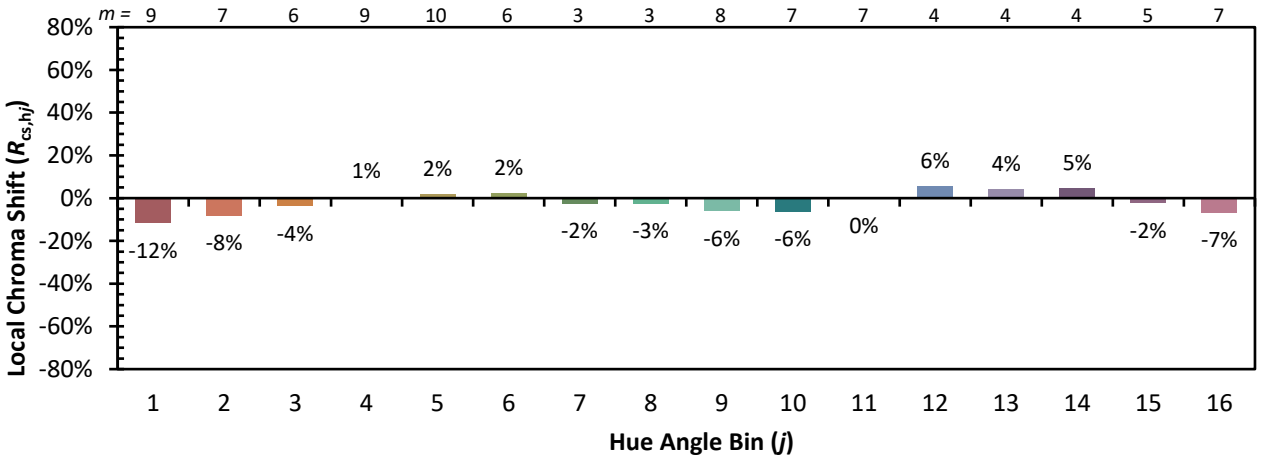
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 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	

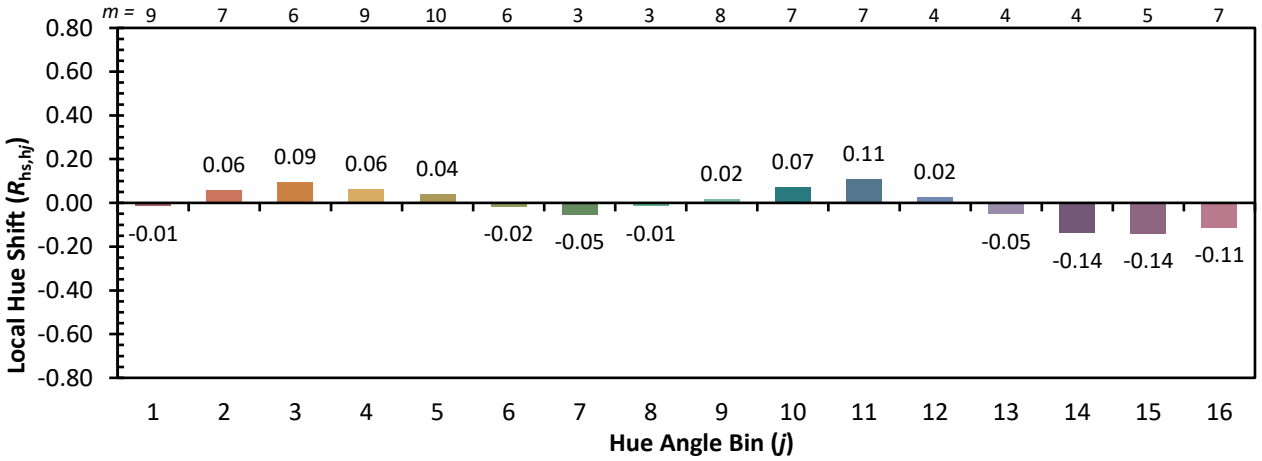


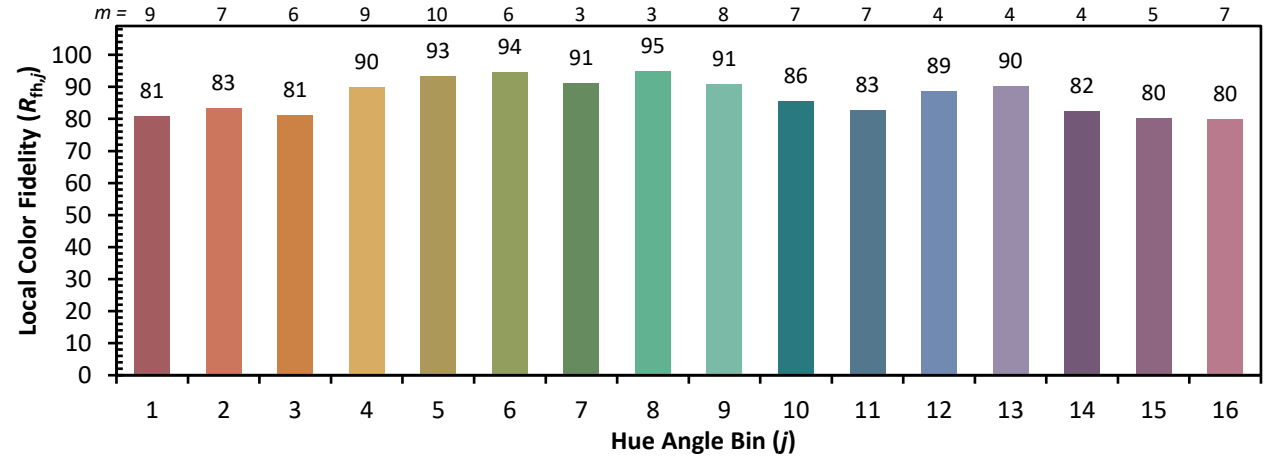
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Color Rendition by Hue-Angle Bin



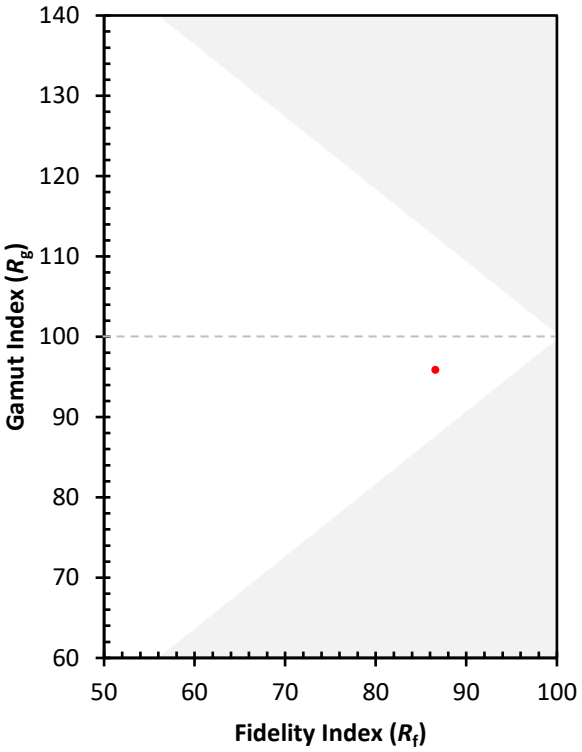


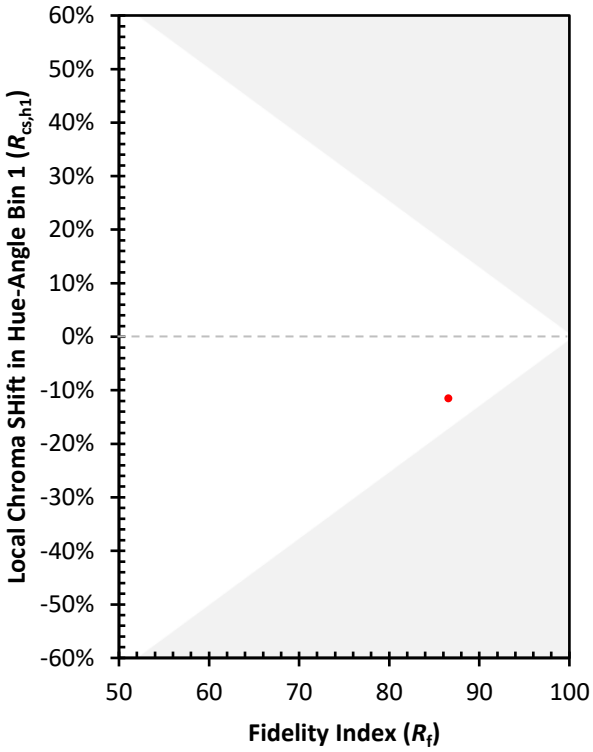


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Measure Comparisons





(END OF REPORT)