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: P1501945

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

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501945
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-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19658.2 lumens
Efficiency:	N/A
Efficacy:	115.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

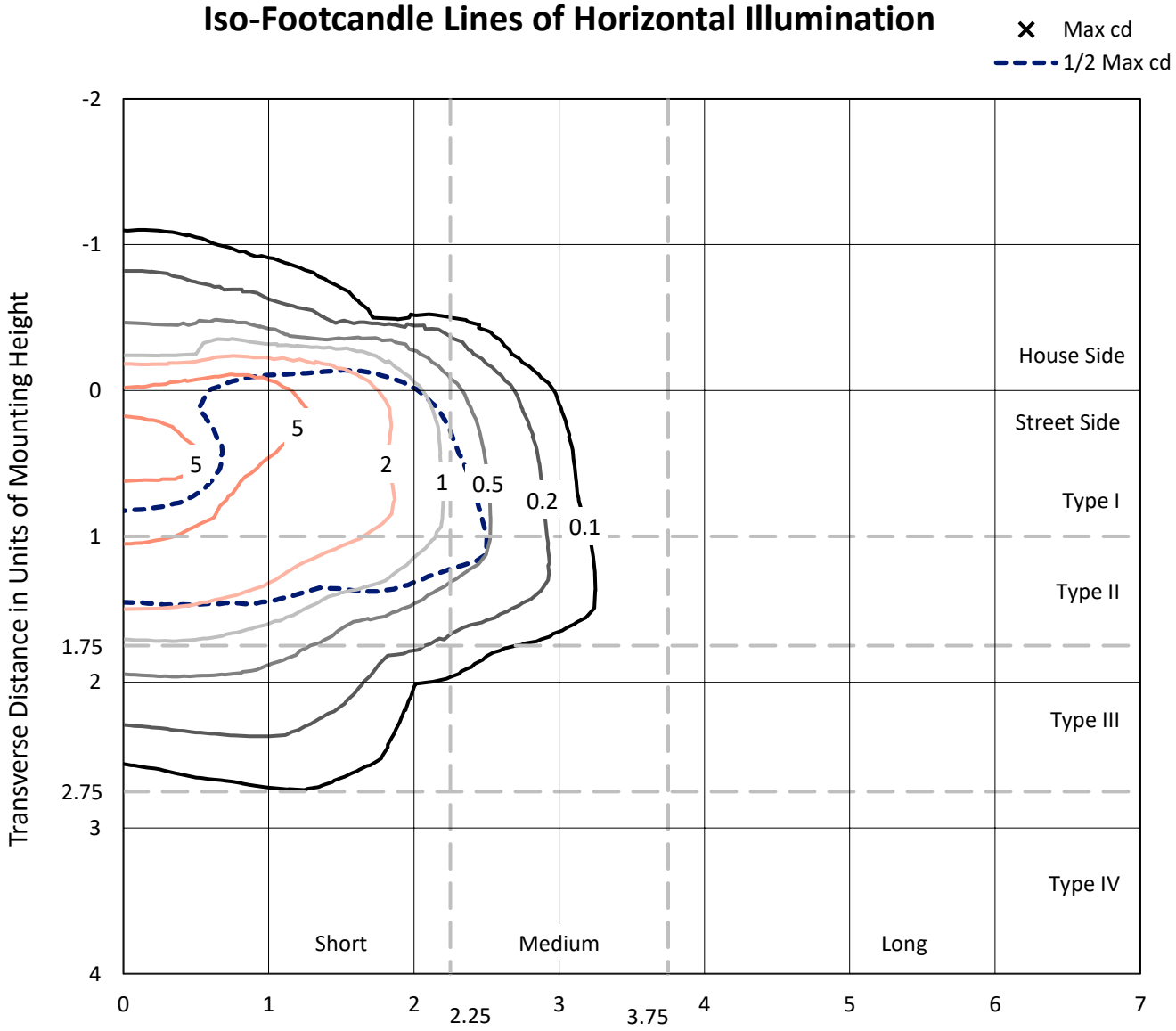
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



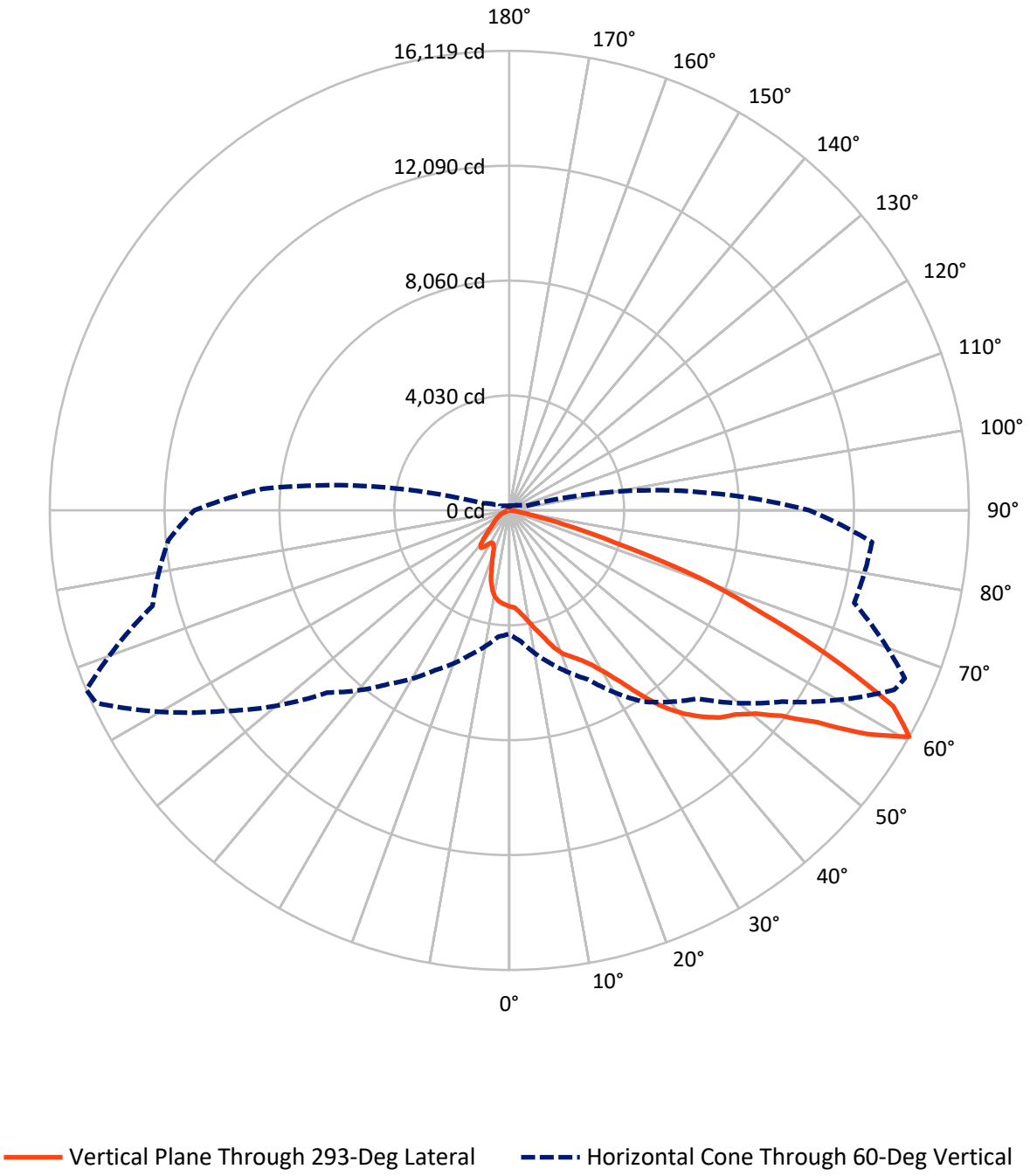
Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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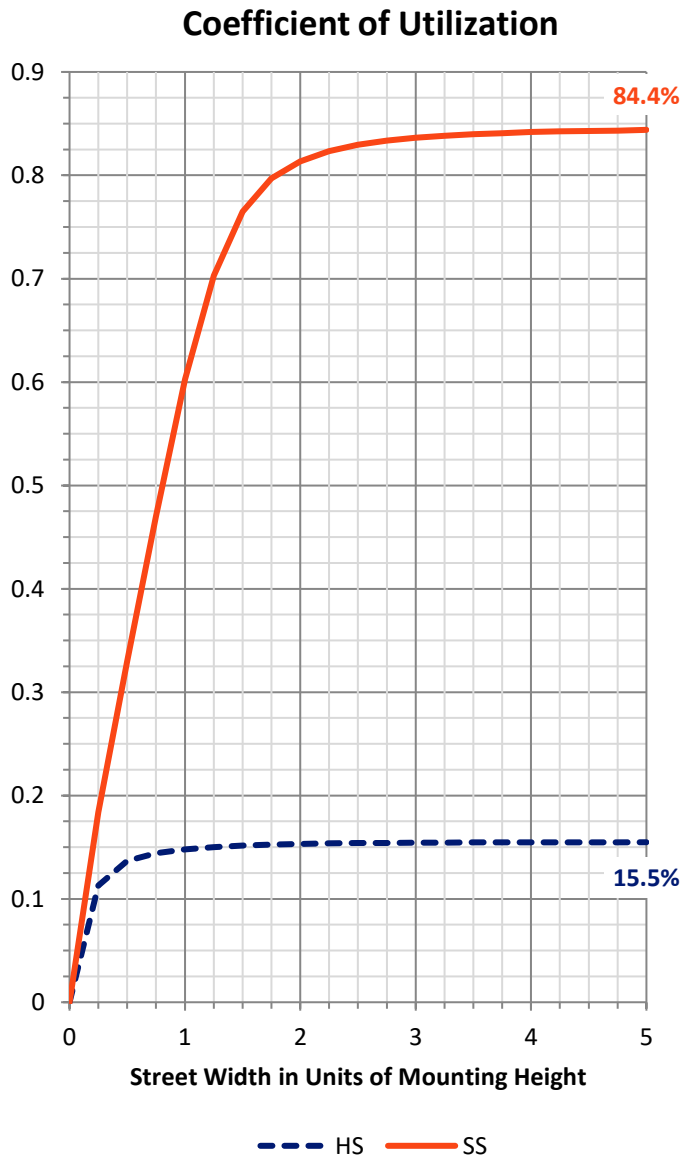
REPORT NUMBER: P1501945
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3067.2	0.0	3067.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	16591.0	0.0	16591.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	19658.2	0.0	19658.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.0	1.6
10°-20°	768.4	3.9
20°-30°	1434.4	7.3
30°-40°	2844.5	14.5
40°-50°	4535.1	23.1
50°-60°	5418.3	27.6
60°-70°	3552.0	18.1
70°-80°	744.2	3.8
80°-90°	56.3	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°	19658.2	100.0
0°-180°	19658.2	100.0



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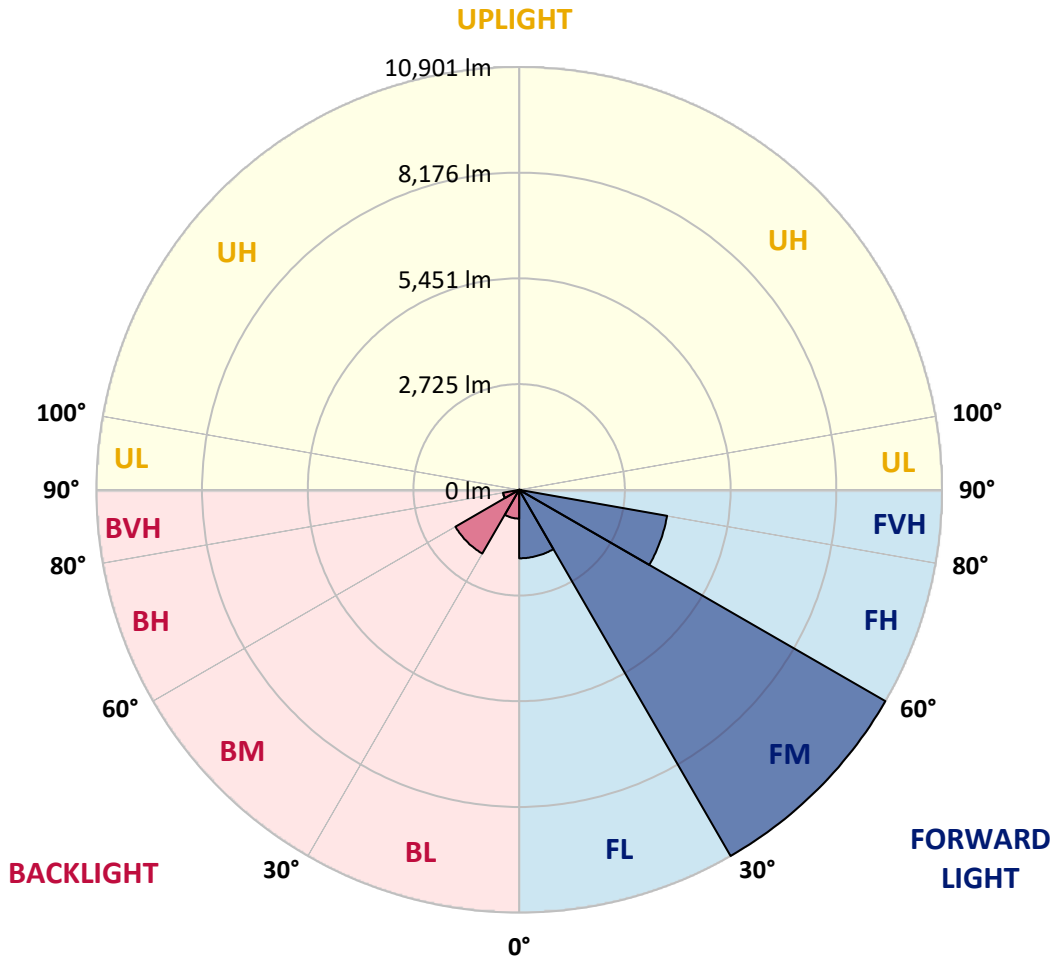
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1765.7	9.0			
FM	(30°-60°)	10901.2	55.5			
FH	(60°-80°)	3872.5	19.7			G2/5000
FVH	(80°-90°)	51.6	0.3			G1/100
BL	(0°-30°)	742.0	3.8	B2/1000		
BM	(30°-60°)	1896.7	9.6	B2/2500		
BH	(60°-80°)	423.7	2.2	B1/500		G1/500
BVH	(80°-90°)	4.7	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°	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2
2.5°	3539.9	3528.9	3512.3	3517.9	3512.3	3490.3	3457.3	3429.8	3451.8	3418.8	3396.7
5°	3644.5	3644.5	3633.5	3633.5	3639.0	3628.0	3605.9	3567.4	3572.9	3545.4	3473.8
7.5°	3644.5	3628.0	3655.5	3683.0	3732.6	3760.1	3771.1	3749.1	3760.1	3705.0	3611.4
10°	3429.8	3418.8	3490.3	3594.9	3738.1	3864.7	3947.3	3952.8	3969.3	3914.2	3804.1
12.5°	2972.8	2950.8	3094.0	3292.1	3583.9	3875.7	4106.9	4195.0	4233.5	4211.5	4057.4
15°	2548.9	2576.5	2675.6	2890.3	3281.1	3727.1	4195.0	4486.8	4541.8	4569.4	4387.7
17.5°	2504.9	2510.4	2543.4	2648.0	2945.3	3484.8	4206.0	4789.6	4866.6	4987.8	4740.0
20°	2626.0	2615.0	2648.0	2681.1	2824.2	3270.1	4101.4	5081.3	5230.0	5488.7	5219.0
22.5°	2851.7	2851.7	2868.2	2890.3	2961.8	3253.6	4057.4	5351.1	5604.3	6132.8	5819.0
25°	3231.6	3187.5	3198.5	3171.0	3231.6	3451.8	4156.5	5565.8	5912.6	6848.5	6534.7
27.5°	3820.6	3837.2	3738.1	3589.4	3622.5	3809.6	4398.7	5808.0	6231.9	7591.7	7261.4
30°	4635.4	4607.9	4547.3	4255.6	4123.4	4288.6	4844.6	6204.4	6661.4	8533.1	8230.3
32.5°	5274.0	5351.1	5246.5	5042.8	4839.1	4888.7	5472.2	6843.0	7184.4	9397.5	9232.3
35°	6044.8	6044.8	6066.8	5780.5	5642.9	5631.9	6259.5	7536.7	7878.0	10179.2	10294.8
37.5°	7085.3	7013.7	6892.6	6573.3	6468.7	6606.3	6997.2	8252.4	8621.2	10812.3	11120.6
40°	7960.6	8010.1	7993.6	7531.2	7327.5	7476.1	7823.0	8863.5	9149.7	11219.7	11786.7
42.5°	8819.4	8846.9	8775.4	8555.2	8257.9	8268.9	8555.2	9325.9	9617.7	11610.6	12414.3
45°	9463.5	9458.0	9408.5	9353.4	9177.3	8995.6	9045.1	9837.9	10091.1	11737.2	12755.7
47.5°	9667.2	9711.3	9755.3	9909.4	10030.6	9744.3	9491.1	10113.1	10344.4	11715.2	12882.3
50°	9480.0	9573.6	9788.3	10019.6	10432.4	10410.4	9865.4	10410.4	10636.1	11836.3	13030.9
52.5°	9061.6	9155.2	9441.5	9859.9	10482.0	10790.3	10559.1	10911.4	11175.7	12144.6	13339.2
55°	8087.2	8125.7	8714.8	9265.3	10234.3	10625.1	11302.3	11759.2	11979.4	12518.9	13746.6
57.5°	6584.3	6677.9	7255.9	8153.3	9540.6	10190.2	11726.2	13207.1	13201.6	12876.8	13834.7
60°	*4332.6*	*4607.9*	*5549.3*	*6540.2*	*8197.3*	*9336.9*	*11698.7*	*14902.7*	*15073.4*	*12524.4*	*12772.2*
62.5°	3308.7	3424.3	3958.3	4784.1	6066.8	7740.4	11517.0	15409.2	15541.3	11577.5	11181.2
65°	2488.4	2631.5	3143.5	3881.2	4283.1	5246.5	10327.8	13394.3	13575.9	10333.4	8692.8
67.5°	1525.0	1640.6	2323.2	3187.5	3242.6	3259.1	6969.6	10146.2	10212.2	8334.9	5852.1
70°	1018.5	1134.1	1607.5	2449.8	2582.0	1877.3	3826.1	7679.8	7674.3	5703.4	3556.4
72.5°	589.1	644.1	1018.5	1805.7	2031.4	1194.6	1910.3	4883.2	4668.5	2681.1	1662.6
75°	335.8	374.4	561.5	1161.6	1425.9	759.7	754.2	2615.0	2312.2	1381.8	908.4
77.5°	203.7	220.2	308.3	759.7	858.8	512.0	418.4	1216.7	1172.6	809.3	479.0
80°	99.1	115.6	187.2	445.9	550.5	275.3	253.2	479.0	512.0	445.9	253.2
82.5°	33.0	44.0	104.6	170.7	357.8	110.1	104.6	264.3	280.8	264.3	121.1
85°	16.5	22.0	49.5	55.1	137.6	55.1	38.5	115.6	143.1	88.1	49.5
87.5°	0.0	5.5	5.5	5.5	5.5	5.5	5.5	11.0	11.0	11.0	11.0
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°	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2
2.5°	3380.2	3369.2	3347.2	3308.7	3303.1	3275.6	3231.6	3204.1	3182.0	3198.5	3204.1
5°	3440.8	3413.3	3347.2	3242.6	3132.5	3022.4	2917.8	2796.7	2714.1	2703.1	2681.1
7.5°	3550.9	3495.8	3352.7	3149.0	2868.2	2604.0	2295.7	1998.4	1849.8	1827.7	1778.2
10°	3727.1	3633.5	3396.7	2983.8	2444.3	1893.8	1425.9	1106.6	924.9	891.9	902.9
12.5°	3936.3	3804.1	3402.2	2703.1	1860.8	1172.6	809.3	688.2	649.6	633.1	633.1
15°	4206.0	4013.3	3396.7	2339.7	1255.2	754.2	649.6	600.1	583.6	572.5	572.5
17.5°	4547.3	4294.1	3358.2	1794.7	847.8	655.1	594.6	556.0	534.0	528.5	528.5
20°	4949.2	4607.9	3270.1	1337.8	710.2	611.1	561.5	512.0	495.5	484.5	484.5
22.5°	5461.2	4987.8	3099.5	1040.5	671.6	583.6	528.5	473.5	456.9	445.9	445.9
25°	6055.8	5472.2	2873.7	935.9	666.1	561.5	495.5	440.4	423.9	418.4	412.9
27.5°	6760.4	5989.7	2664.5	941.4	677.1	545.0	462.4	412.9	396.4	379.9	385.4
30°	7591.7	6523.7	2493.9	1007.5	688.2	528.5	440.4	396.4	379.9	357.8	357.8
32.5°	8412.0	7151.3	2477.4	1128.6	726.7	517.5	418.4	374.4	357.8	341.3	341.3
35°	9254.3	7723.9	2571.0	1288.2	803.8	501.0	390.9	352.3	335.8	324.8	319.3
37.5°	10058.1	8180.8	2659.0	1387.3	759.7	429.4	357.8	324.8	308.3	286.3	286.3
40°	10592.1	8428.5	2675.6	1310.2	627.6	385.4	324.8	291.8	269.8	258.7	253.2
42.5°	10983.0	8588.2	2488.4	1062.5	545.0	352.3	297.3	264.3	247.7	236.7	236.7
45°	11142.6	8533.1	2169.1	809.3	501.0	324.8	269.8	242.2	231.2	220.2	220.2
47.5°	11120.6	8279.9	1844.3	649.6	456.9	297.3	253.2	231.2	220.2	209.2	203.7
50°	11082.1	8043.2	1513.9	578.1	407.4	280.8	236.7	220.2	203.7	192.7	187.2
52.5°	11335.3	7966.1	1255.2	528.5	379.9	269.8	231.2	209.2	192.7	181.7	181.7
55°	11588.6	7999.1	985.4	495.5	352.3	264.3	225.7	203.7	187.2	170.7	170.7
57.5°	11572.0	7856.0	748.7	462.4	330.3	258.7	220.2	198.2	170.7	159.7	159.7
60°	*10520.5*	*7008.2*	*583.6*	*423.9*	*302.8*	*242.2*	*203.7*	*187.2*	*159.7*	*143.1*	*143.1*
62.5°	8896.5	5510.8	479.0	374.4	269.8	220.2	187.2	170.7	143.1	115.6	115.6
65°	6573.3	3974.8	385.4	324.8	247.7	192.7	170.7	148.6	115.6	93.6	88.1
67.5°	4448.2	2444.3	308.3	269.8	220.2	165.2	143.1	126.6	104.6	77.1	71.6
70°	2637.0	1299.2	225.7	187.2	165.2	121.1	121.1	110.1	88.1	66.1	60.6
72.5°	1255.2	451.4	165.2	137.6	126.6	88.1	93.6	93.6	71.6	49.5	44.0
75°	638.6	220.2	110.1	99.1	82.6	66.1	77.1	71.6	49.5	33.0	33.0
77.5°	363.3	154.1	77.1	66.1	55.1	44.0	49.5	44.0	27.5	16.5	16.5
80°	203.7	110.1	49.5	44.0	33.0	27.5	27.5	22.0	16.5	5.5	5.5
82.5°	77.1	66.1	33.0	22.0	16.5	16.5	11.0	11.0	5.5	0.0	0.0
85°	33.0	16.5	16.5	11.0	11.0	5.5	5.5	5.5	0.0	0.0	0.0
87.5°	5.5	5.5	5.5	5.5	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°	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2
2.5°	3160.0	3171.0	3182.0	3226.1	3237.1	3270.1	3297.6	3330.7	3336.2	3380.2	3380.2
5°	2725.1	2719.6	2813.2	2950.8	3038.9	3160.0	3253.6	3352.7	3407.7	3479.3	3512.3
7.5°	1805.7	1943.4	2152.6	2394.8	2708.6	3000.4	3220.6	3413.3	3545.4	3628.0	3661.0
10°	897.4	974.4	1194.6	1591.0	2125.0	2719.6	3187.5	3545.4	3760.1	3853.7	3914.2
12.5°	633.1	649.6	688.2	902.9	1414.8	2257.2	3082.9	3688.5	3985.8	4162.0	4239.0
15°	567.0	578.1	594.6	655.1	875.3	1684.6	2895.8	3848.2	4338.1	4541.8	4640.9
17.5°	523.0	528.5	545.0	594.6	688.2	1145.1	2593.0	4018.8	4762.0	5009.8	5197.0
20°	484.5	484.5	501.0	561.5	638.6	880.8	2158.1	4211.5	5301.6	5659.4	5846.6
22.5°	440.4	451.4	462.4	528.5	622.1	803.8	1750.7	4360.2	5901.6	6336.5	6556.8
25°	407.4	418.4	429.4	495.5	605.6	803.8	1513.9	4453.7	6573.3	7090.8	7393.6
27.5°	379.9	390.9	407.4	473.5	589.1	836.8	1420.4	4481.3	7305.5	7977.1	8384.5
30°	357.8	368.9	385.4	456.9	600.1	875.3	1453.4	4442.7	8048.7	8891.0	9375.4
32.5°	335.8	346.8	363.3	440.4	600.1	924.9	1563.5	4365.7	8769.9	9804.8	10399.4
35°	319.3	324.8	330.3	396.4	545.0	919.4	1701.1	4288.6	9496.6	10707.7	11401.4
37.5°	286.3	291.8	302.8	341.3	434.9	836.8	1728.6	4195.0	10069.1	11467.4	12232.7
40°	253.2	264.3	275.3	313.8	363.3	677.1	1607.5	3996.8	10371.9	12051.0	12981.4
42.5°	231.2	236.7	247.7	286.3	335.8	539.5	1348.8	3650.0	10641.6	12447.4	13526.4
45°	214.7	220.2	231.2	258.7	313.8	467.9	1062.5	3226.1	10663.7	12574.0	13790.6
47.5°	198.2	203.7	209.2	236.7	302.8	418.4	814.8	2840.7	10658.2	12739.1	14016.4
50°	187.2	192.7	203.7	225.7	286.3	374.4	671.6	2526.9	10889.4	13097.0	14473.3
52.5°	181.7	181.7	198.2	220.2	269.8	341.3	561.5	2246.1	11010.5	13449.3	14803.6
55°	170.7	176.2	187.2	209.2	253.2	324.8	479.0	1893.8	11065.6	13625.5	14864.2
57.5°	159.7	165.2	181.7	198.2	242.2	308.3	412.9	1414.8	10278.3	12706.1	13851.2
60°	*143.1*	*154.1*	*176.2*	*192.7*	*225.7*	*280.8*	*363.3*	*957.9*	*8670.8*	*11043.5*	*12001.4*
62.5°	115.6	137.6	159.7	170.7	203.7	236.7	308.3	638.6	6925.6	9138.7	10228.8
65°	88.1	115.6	132.1	148.6	170.7	198.2	258.7	434.9	4618.9	6149.4	7377.0
67.5°	77.1	99.1	110.1	121.1	143.1	170.7	209.2	302.8	2802.2	3694.0	4905.2
70°	60.6	82.6	93.6	88.1	110.1	132.1	148.6	203.7	1431.4	2003.9	2791.2
72.5°	44.0	66.1	71.6	71.6	66.1	93.6	110.1	143.1	622.1	974.4	1266.2
75°	33.0	44.0	49.5	44.0	38.5	60.6	77.1	93.6	407.4	583.6	737.7
77.5°	16.5	16.5	27.5	27.5	16.5	33.0	38.5	55.1	231.2	341.3	423.9
80°	5.5	0.0	0.0	5.5	0.0	11.0	16.5	27.5	121.1	181.7	264.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	60.6	55.1	137.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	33.0
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: P1501945
CATALOG NUMBER: GSS-SB6A-835-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2	3369.2
2.5°	3407.7	3407.7	3429.8	3462.8	3479.3	3490.3	3495.8	3506.8	3550.9	3539.9
5°	3550.9	3561.9	3578.4	3611.4	3650.0	3639.0	3639.0	3639.0	3666.5	3644.5
7.5°	3738.1	3771.1	3776.6	3815.1	3787.6	3732.6	3699.5	3650.0	3644.5	3644.5
10°	4040.9	4029.8	4029.8	3980.3	3881.2	3721.5	3578.4	3479.3	3424.3	3429.8
12.5°	4365.7	4321.6	4327.1	4145.5	3864.7	3512.3	3220.6	3005.9	2989.4	2972.8
15°	4767.5	4651.9	4629.9	4211.5	3616.9	3077.4	2791.2	2620.5	2565.4	2548.9
17.5°	5340.1	5048.3	4943.7	4095.9	3292.1	2807.7	2593.0	2515.9	2510.4	2504.9
20°	5945.7	5367.6	5169.4	3925.2	3182.0	2813.2	2653.5	2631.5	2620.5	2626.0
22.5°	6650.3	5571.3	5318.1	3952.8	3281.1	2994.9	2868.2	2851.7	2840.7	2851.7
25°	7377.0	5808.0	5494.2	4173.0	3578.4	3330.7	3182.0	3149.0	3182.0	3231.6
27.5°	8109.2	6127.3	5841.1	4607.9	4057.4	3787.6	3644.5	3765.6	3815.1	3820.6
30°	8758.9	6573.3	6309.0	5219.0	4602.4	4332.6	4360.2	4514.3	4574.9	4635.4
32.5°	9353.4	7167.8	6964.1	5912.6	5307.1	5147.4	5130.9	5246.5	5312.6	5274.0
35°	9953.5	7944.1	7745.9	6666.9	6171.4	6039.3	5901.6	6127.3	6105.3	6044.8
37.5°	10520.5	8725.8	8544.1	7476.1	6964.1	6732.9	6710.9	6914.6	7096.3	7085.3
40°	10927.9	9358.9	9138.7	8279.9	7795.4	7597.2	7712.9	8065.2	8021.1	7960.6
42.5°	11302.3	9898.4	9700.2	8984.6	8478.1	8566.2	8670.8	8907.5	8880.0	8819.4
45°	11478.4	10360.9	10190.2	9518.6	9270.8	9551.6	9546.1	9634.2	9485.5	9463.5
47.5°	11726.2	10691.2	10515.0	9997.5	10217.7	10333.4	10008.5	9915.0	9777.3	9667.2
50°	12183.1	11203.2	11027.0	10724.2	10911.4	10553.6	10157.2	9953.5	9672.7	9480.0
52.5°	12717.1	11979.4	11825.3	11704.2	11181.2	10443.5	9937.0	9568.1	9226.8	9061.6
55°	13388.8	13124.5	13014.4	12348.3	10938.9	9992.0	9397.5	8709.3	8241.4	8087.2
57.5°	13609.0	14803.6	14765.1	12452.9	10261.8	9171.7	8098.2	7167.8	6683.4	6584.3
60°	12959.4	16119.4	15981.7	12276.7	9034.1	7443.1	6187.9	5235.5	4448.2	4332.6
62.5°	12128.1	15111.9	15062.4	11390.4	6881.6	5334.6	4624.4	3732.6	3396.7	3308.7
65°	10388.4	12364.8	12386.8	9138.7	4354.7	3831.7	3798.6	2967.3	2554.4	2488.4
67.5°	7999.1	9485.5	9331.4	5747.5	2537.9	3066.4	3033.4	2169.1	1569.0	1525.0
70°	4674.0	7063.2	6815.5	2989.4	1679.1	2559.9	2334.2	1525.0	1068.0	1018.5
72.5°	2064.5	3886.7	4173.0	1315.8	1183.6	2036.9	1684.6	935.9	600.1	589.1
75°	1145.1	1926.8	2014.9	572.5	831.3	1447.9	1018.5	523.0	341.3	335.8
77.5°	688.2	853.3	831.3	368.9	622.1	924.9	616.6	297.3	214.7	203.7
80°	385.4	390.9	330.3	269.8	368.9	517.5	346.8	187.2	99.1	99.1
82.5°	236.7	214.7	170.7	82.6	99.1	313.8	126.6	104.6	33.0	33.0
85°	99.1	66.1	44.0	16.5	38.5	82.6	44.0	49.5	16.5	16.5
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: SP1-2407-184-10

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

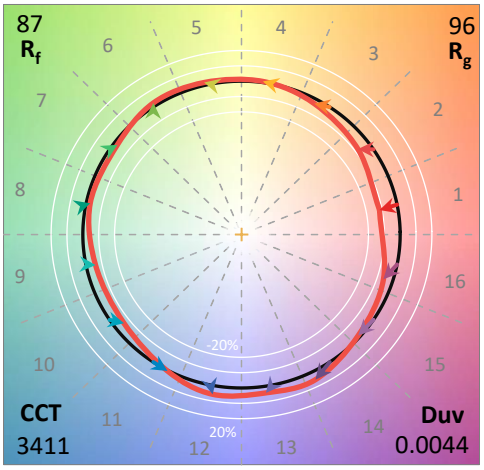
Test Information

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

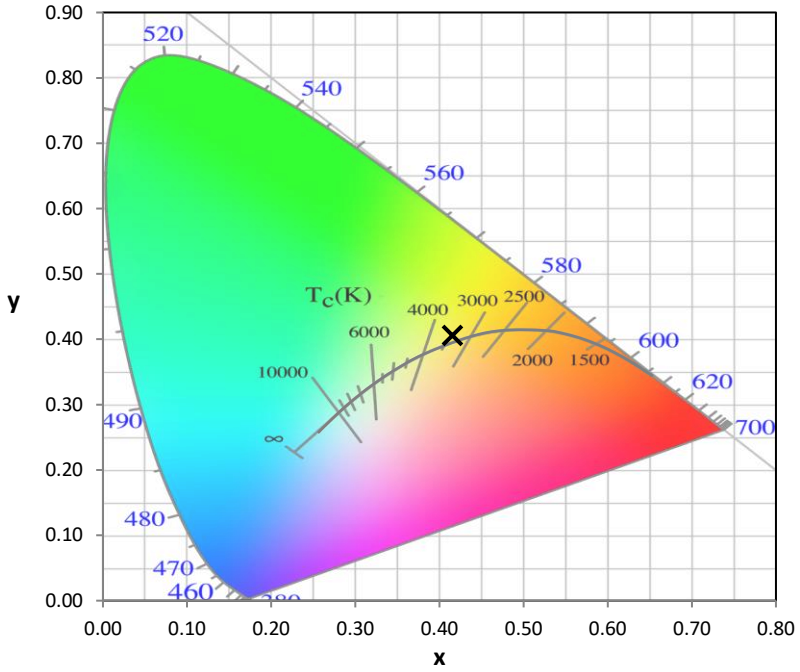
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

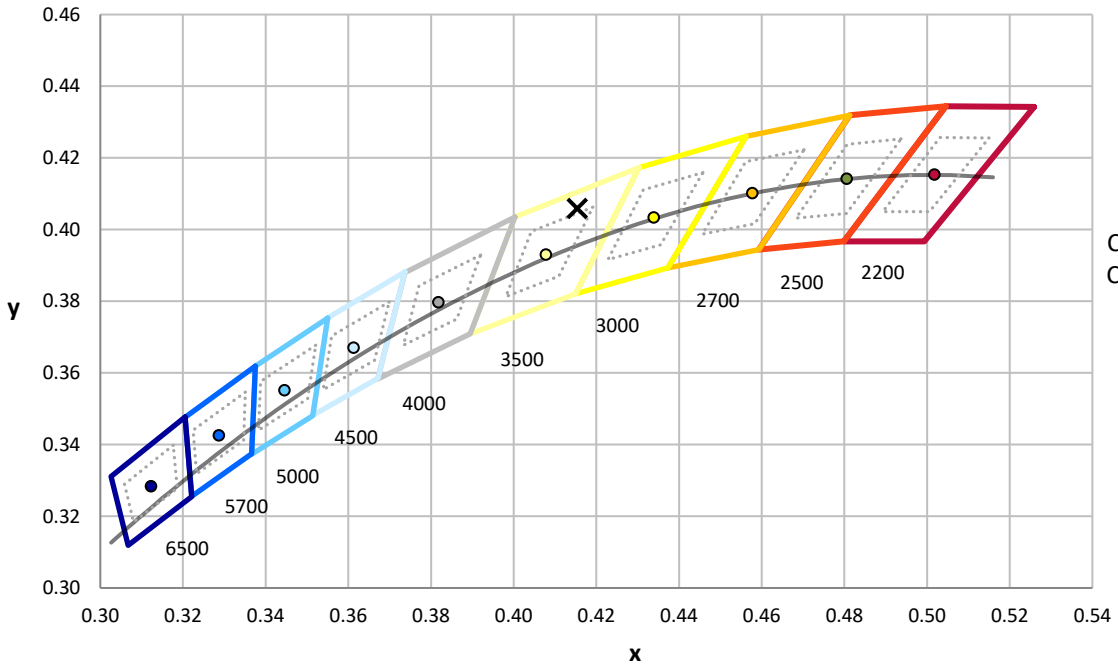
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

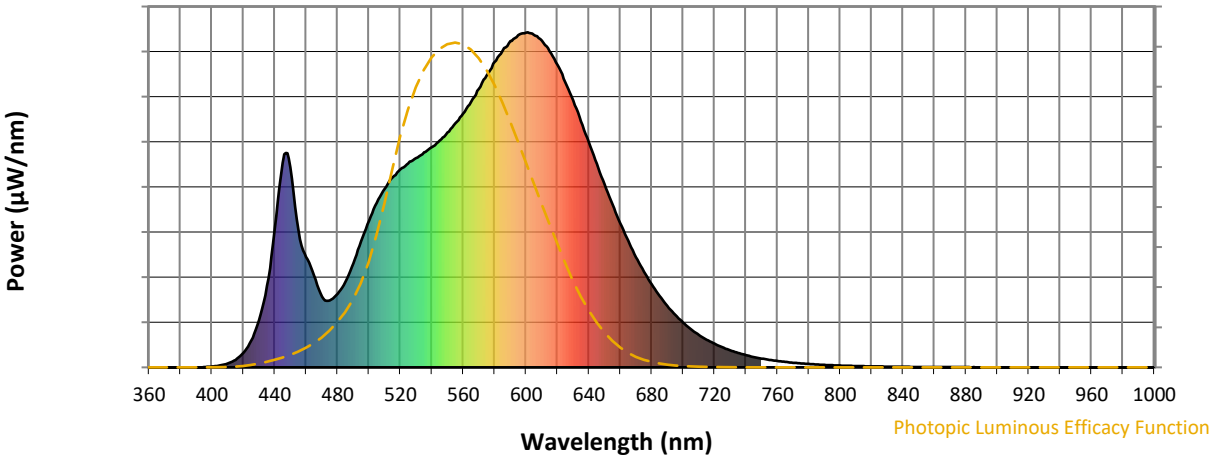


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

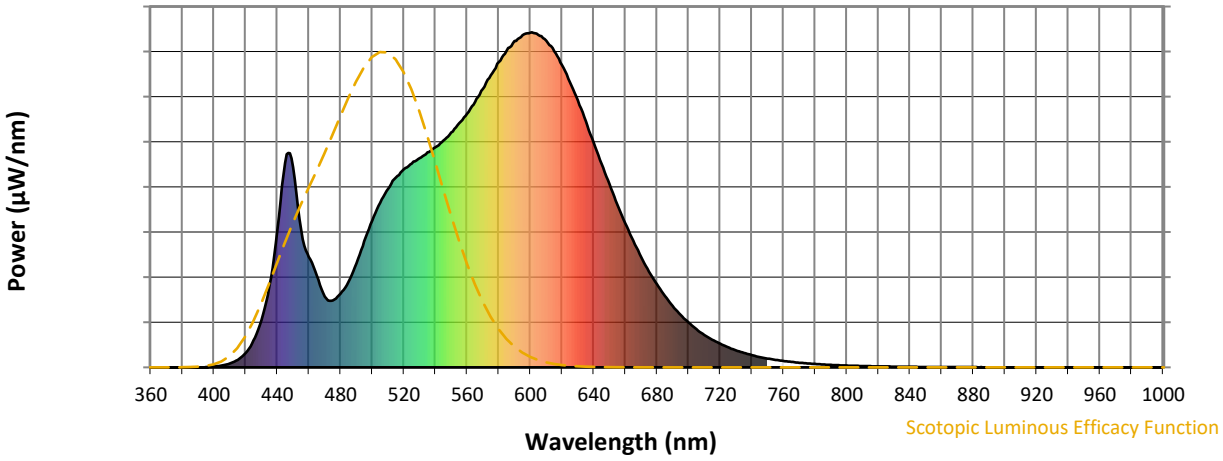


Photopic Lumens: NR

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

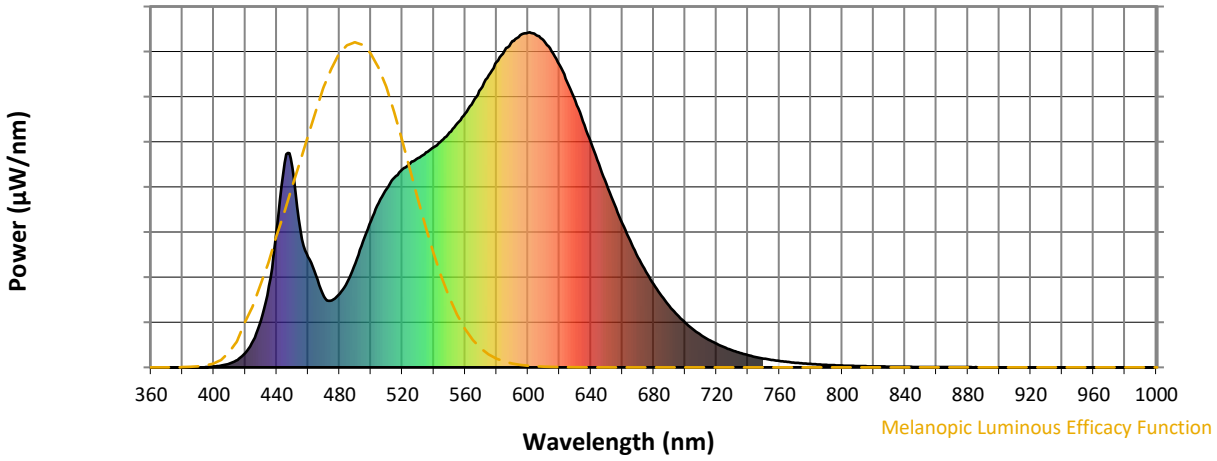


Scotopic Lumens: NR **S/P: 1.48**

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			

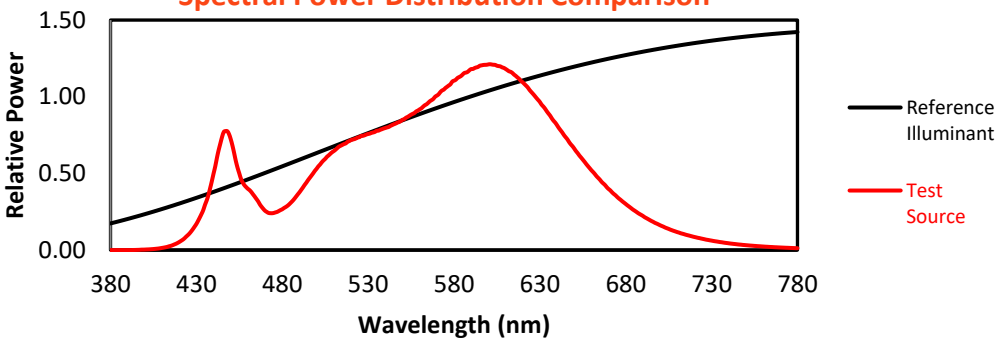
REPORT NUMBER: SP1-2407-184-10

TM-30-18

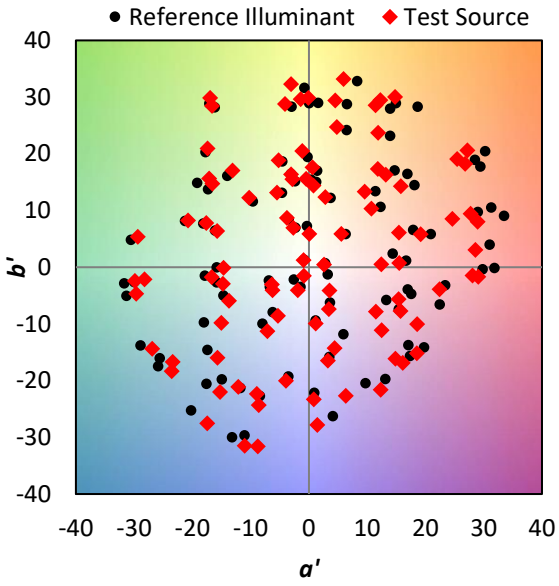
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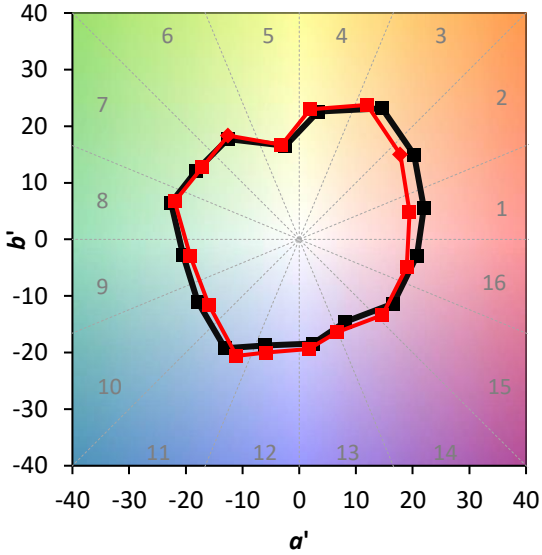
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

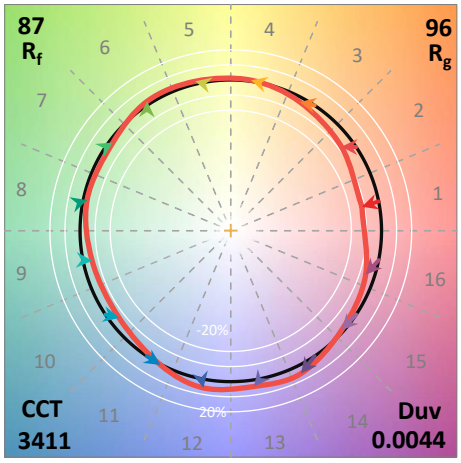
Spectral Power Distribution Comparison

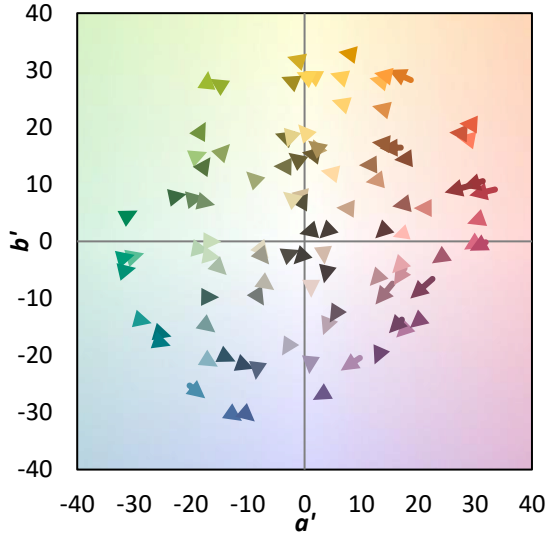


Color Vector Graphics







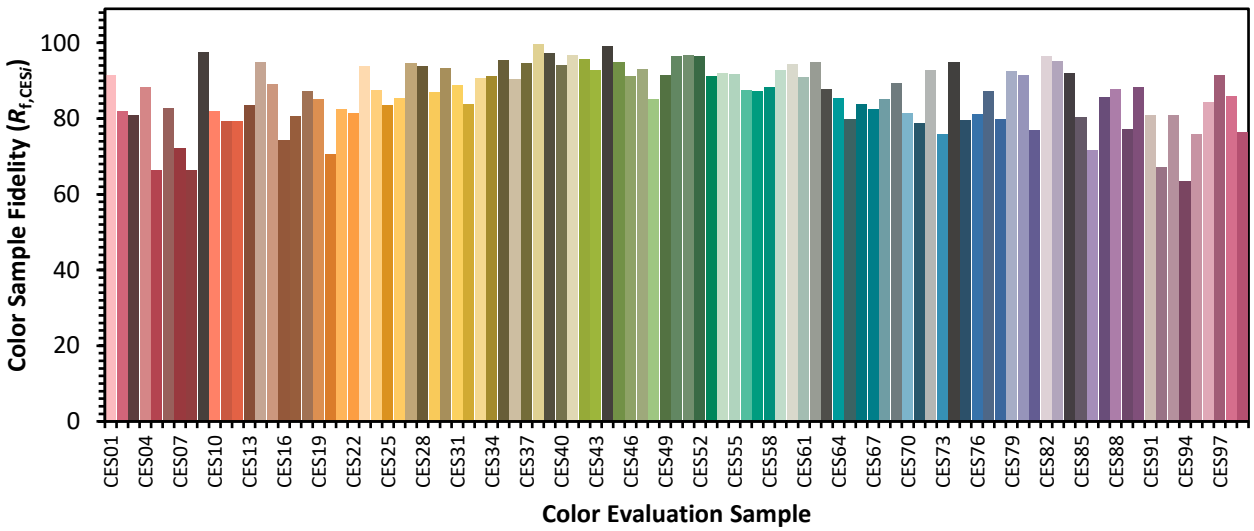


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Individual Sample Fidelity Index ($R_{f,i}$)

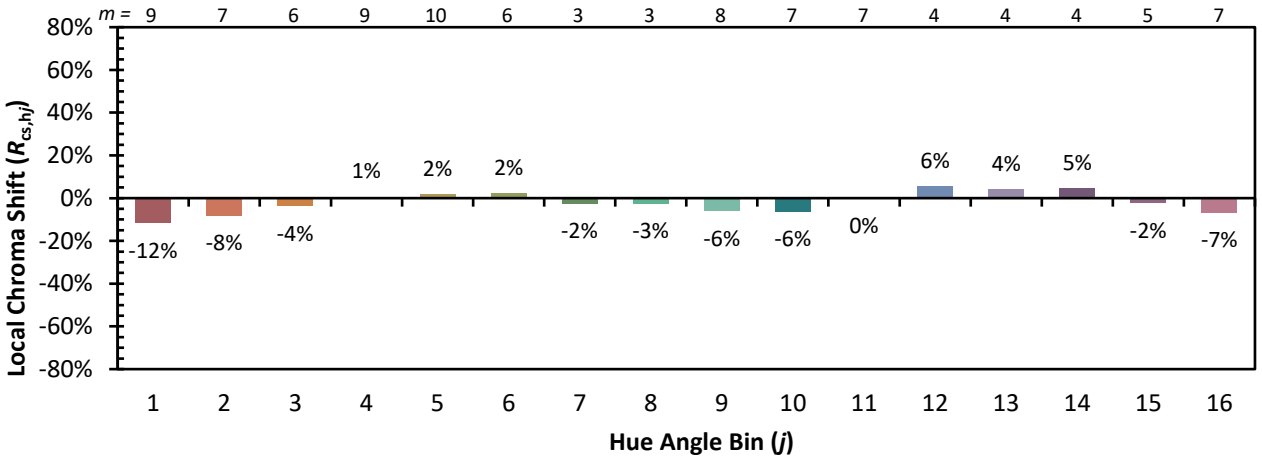
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57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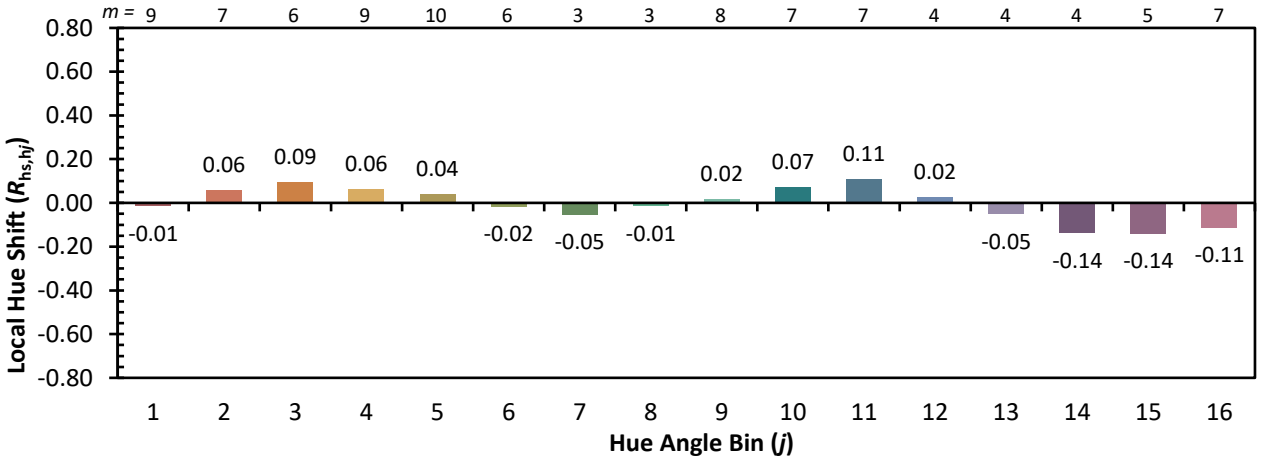


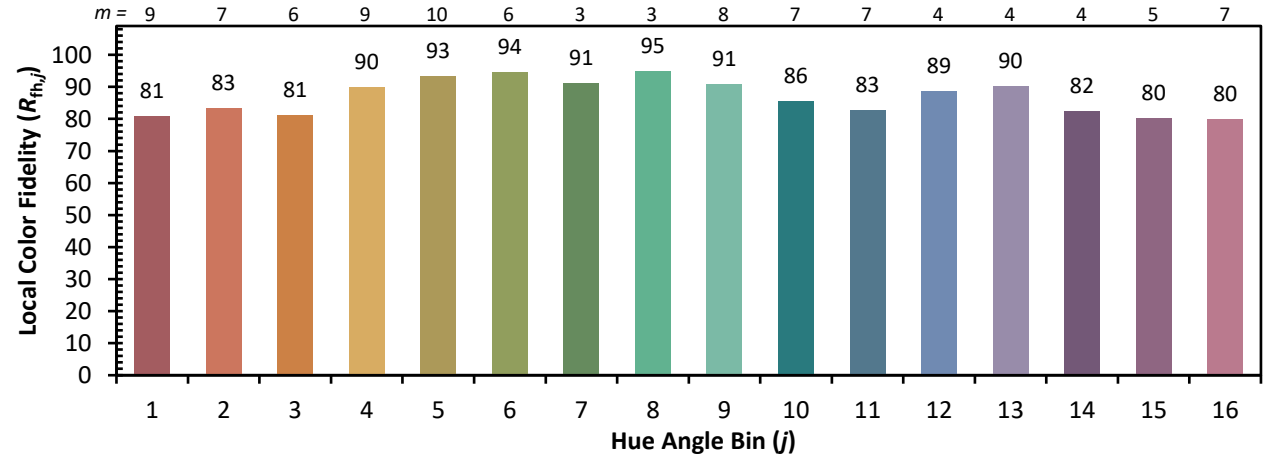
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Color Rendition by Hue-Angle Bin



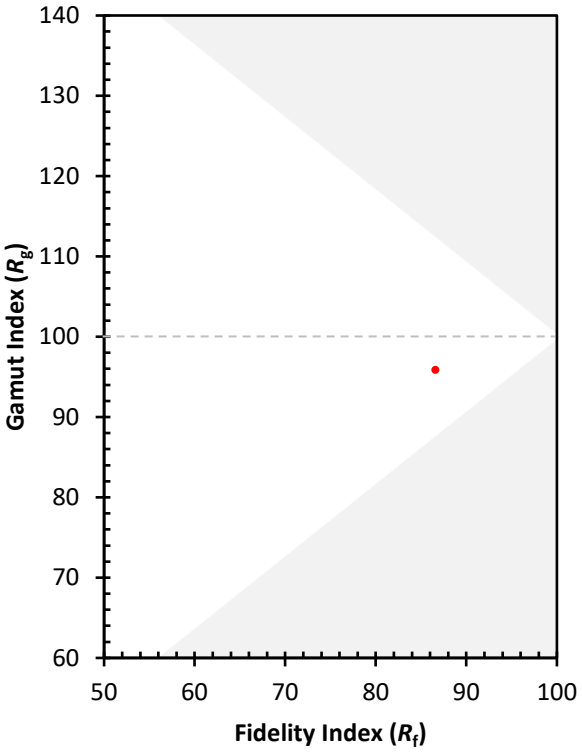


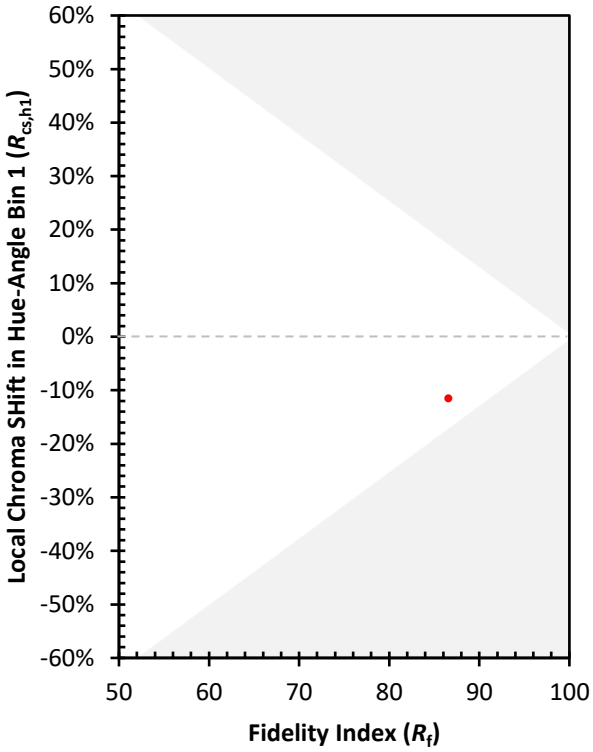


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Measure Comparisons





(END OF REPORT)