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: P1501390

Luminaire Tested: GSS-SB5B-727-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:	P1501390
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-727-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25344.8 lumens
Efficiency:	N/A
Efficacy:	137.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

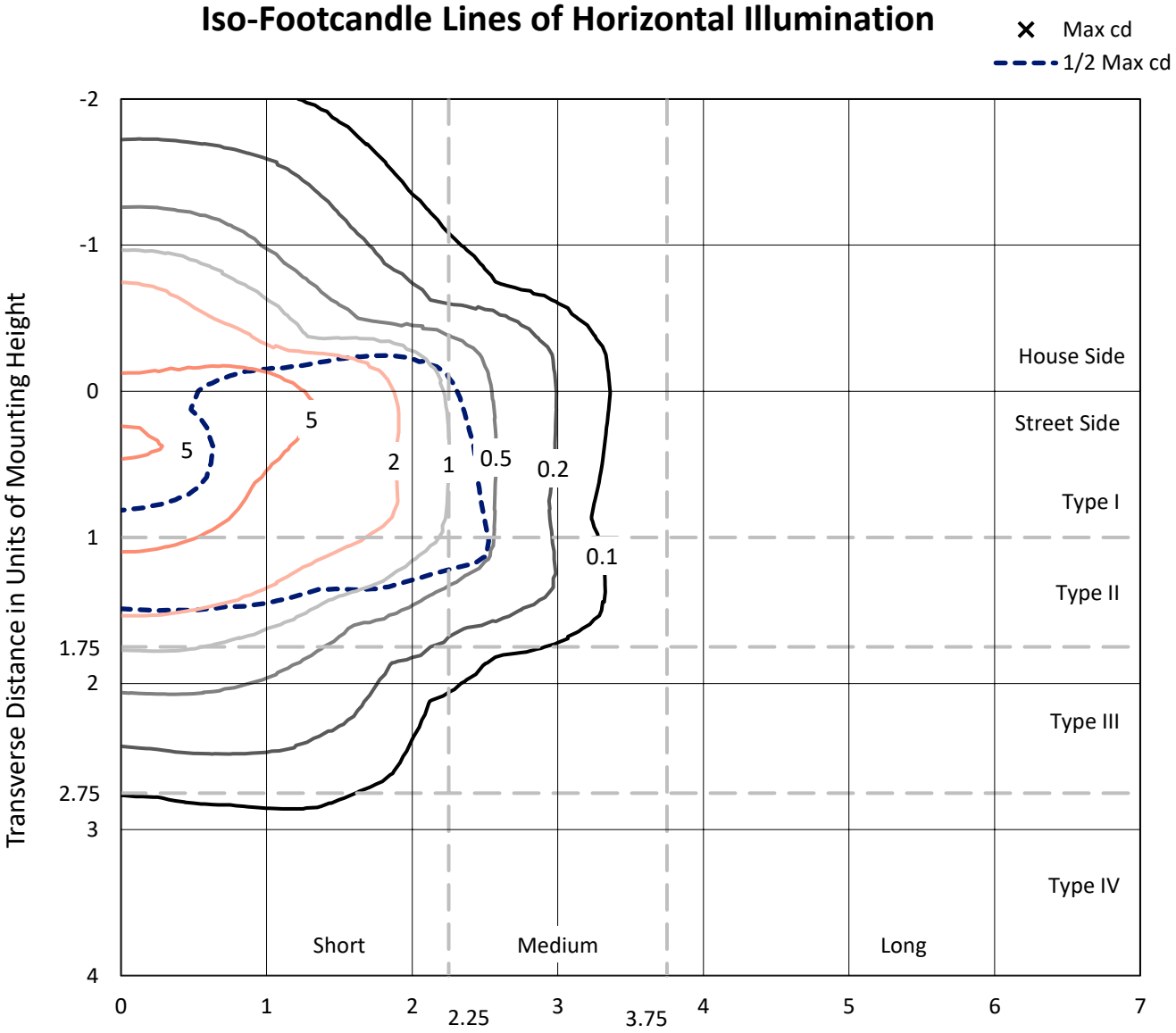
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



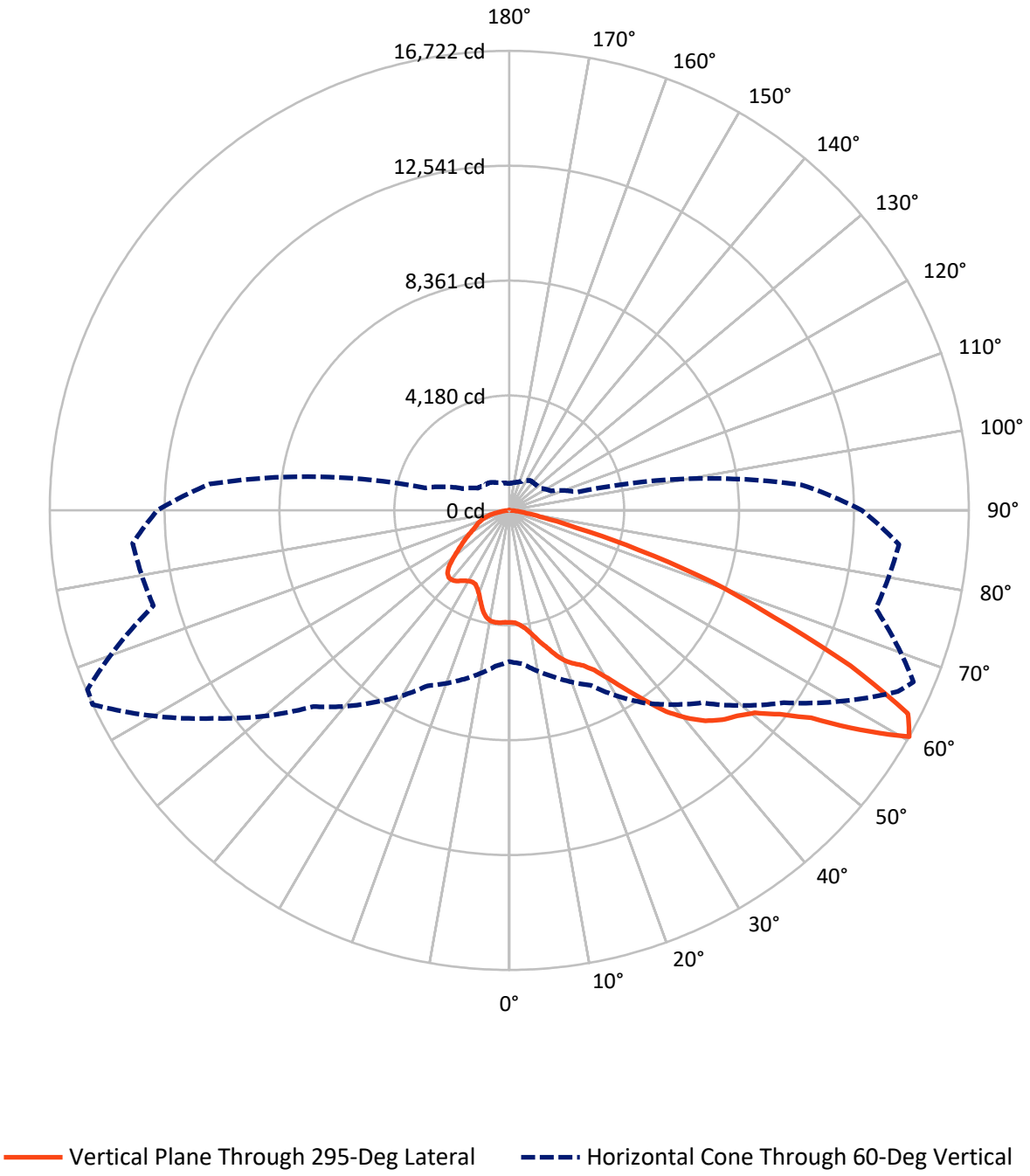
Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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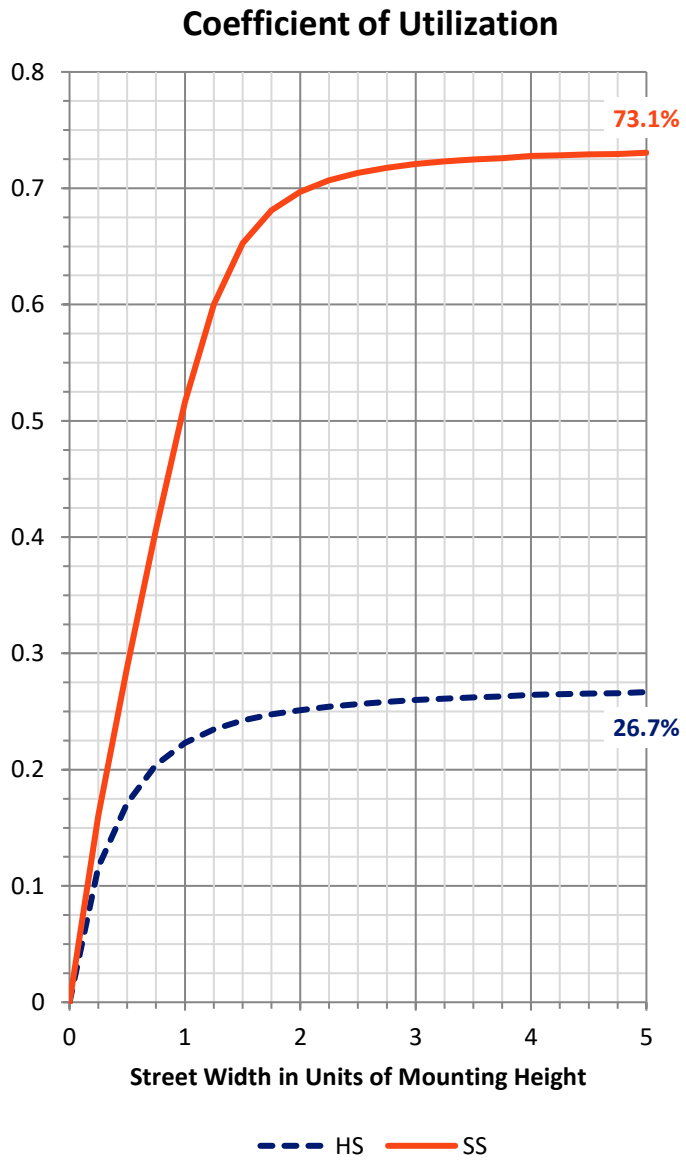
REPORT NUMBER: P1501390
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6815.5	0.0	6815.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	18529.3	0.0	18529.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	25344.8	0.0	25344.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.4	1.5
10°-20°	1102.2	4.3
20°-30°	2087.7	8.2
30°-40°	3680.6	14.5
40°-50°	5443.2	21.5
50°-60°	6391.8	25.2
60°-70°	4631.1	18.3
70°-80°	1428.2	5.6
80°-90°	196.6	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°	25344.8	100.0
0°-180°	25344.8	100.0



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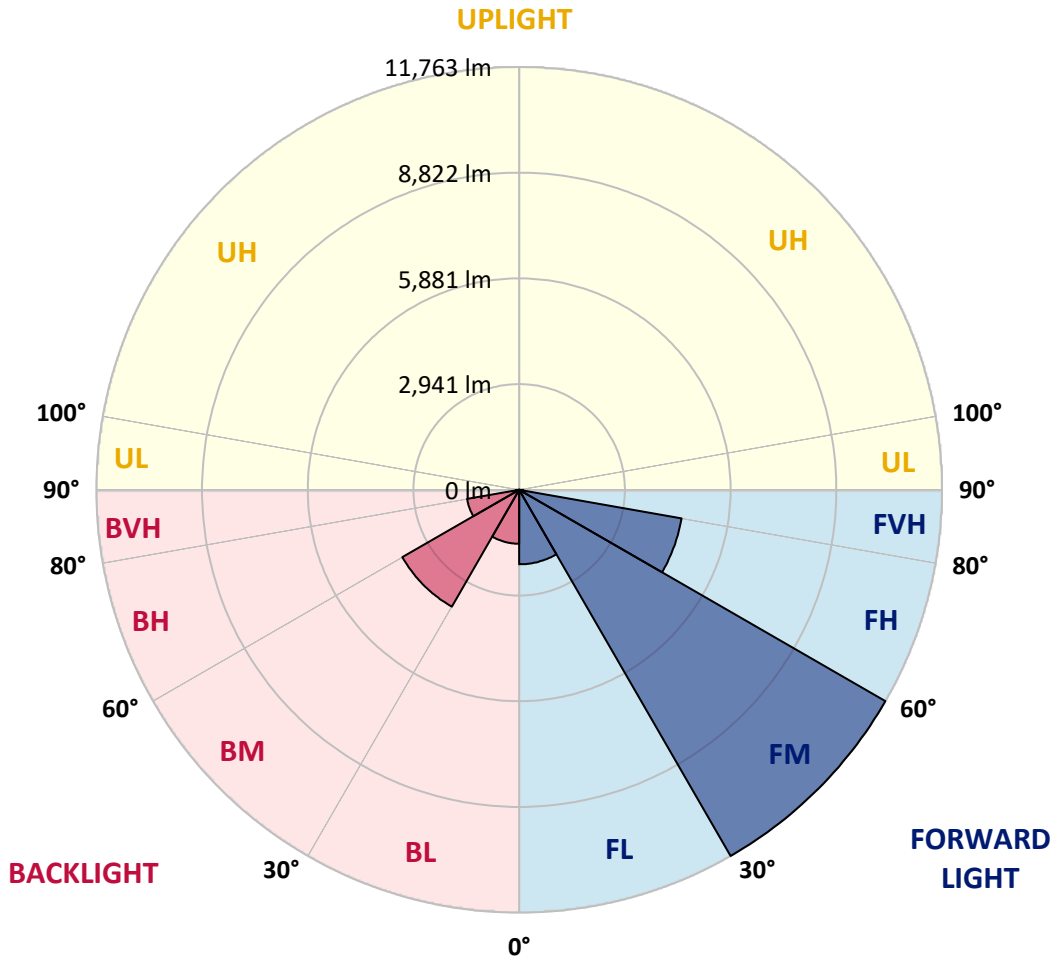
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2072.3	8.2			
FM	(30°-60°)	11762.7	46.4			
FH	(60°-80°)	4588.2	18.1			G2/5000
FVH	(80°-90°)	106.1	0.4			G2/225
BL	(0°-30°)	1501.0	5.9	B3/2500		
BM	(30°-60°)	3752.8	14.8	B3/5000		
BH	(60°-80°)	1471.1	5.8	B3/2500		G3/2500
BVH	(80°-90°)	90.6	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°	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9
2.5°	4158.7	4170.3	4152.9	4164.5	4164.5	4147.2	4141.4	4118.3	4129.8	4124.1	4118.3
5°	4256.9	4262.7	4251.1	4268.5	4268.5	4274.2	4268.5	4239.6	4239.6	4239.6	4228.0
7.5°	4228.0	4228.0	4233.8	4291.6	4349.3	4424.4	4424.4	4412.9	4424.4	4418.6	4366.7
10°	3985.4	4008.5	4060.5	4204.9	4343.6	4505.3	4615.0	4649.7	4649.7	4655.5	4568.8
12.5°	3552.2	3569.6	3690.9	3910.4	4199.2	4493.7	4759.4	4932.7	4950.0	4978.9	4863.4
15°	3165.3	3176.8	3263.4	3488.7	3817.9	4337.8	4840.3	5198.4	5256.2	5377.5	5204.2
17.5°	3199.9	3194.1	3217.2	3303.9	3540.7	4083.6	4823.0	5510.3	5614.3	5828.0	5677.8
20°	3407.8	3407.8	3425.2	3442.5	3529.1	3898.8	4695.9	5764.5	5966.6	6382.5	6209.2
22.5°	3737.1	3737.1	3731.3	3760.2	3760.2	3979.7	4701.7	5955.1	6255.4	7000.5	6833.0
25°	4193.4	4170.3	4170.3	4181.8	4129.8	4285.8	4846.1	6151.4	6544.2	7734.1	7589.7
27.5°	4707.4	4724.8	4713.2	4672.8	4603.5	4724.8	5192.6	6457.6	6867.7	8508.1	8450.3
30°	5267.7	5273.5	5285.0	5261.9	5204.2	5290.8	5735.6	6919.7	7295.1	9316.7	9443.8
32.5°	5816.4	5897.3	5868.4	5810.7	5833.8	5989.7	6405.6	7543.5	7930.5	10067.6	10518.1
35°	6515.3	6544.2	6659.7	6446.0	6451.8	6717.5	7260.4	8363.7	8739.1	10847.3	11592.4
37.5°	7531.9	7583.9	7531.9	7196.9	7144.9	7514.6	8092.2	9172.3	9443.8	11436.5	12591.7
40°	8531.2	8594.7	8681.3	8288.6	7959.3	8265.5	8877.7	9790.3	10073.4	11759.9	13255.9
42.5°	9357.1	9461.1	9368.7	9253.2	8952.8	9010.6	9426.4	10269.7	10552.8	12170.0	13925.9
45°	10056.0	10073.4	10113.8	10032.9	9882.7	9830.8	9894.3	10691.4	11003.3	12354.9	14255.2
47.5°	10344.8	10419.9	10454.6	10593.2	10749.1	10645.2	10292.8	10887.8	11170.8	12343.3	14359.1
50°	10188.9	10264.0	10448.8	10778.0	11153.5	11338.3	10760.7	11159.2	11476.9	12551.3	14572.9
52.5°	9778.8	9859.6	10160.0	10535.4	11165.0	11586.7	11419.2	11725.3	12031.4	12920.9	14931.0
55°	8785.3	8906.6	9328.2	9952.1	10818.5	11453.8	12112.3	12557.0	12892.0	13365.7	15300.6
57.5°	7341.3	7468.4	7942.0	8877.7	10177.3	10905.1	12314.4	14116.6	14266.7	13897.1	15335.3
60°	*5498.8*	*5602.7*	*6272.7*	*7023.6*	*8548.5*	*9900.1*	*12198.9*	*15595.2*	*15976.4*	*13804.7*	*14232.1*
62.5°	4355.1	4482.2	5077.1	5423.7	6515.3	8178.8	11794.6	16005.3	16334.5	13042.2	12695.7
65°	3402.1	3488.7	4043.2	4539.9	4805.6	5585.4	10108.0	14001.0	14295.6	11800.4	10477.7
67.5°	2246.9	2379.7	3038.2	3719.7	3858.4	3552.2	6954.3	10772.2	10910.9	9380.2	7878.5
70°	1611.5	1675.0	2166.0	2893.8	3101.7	2379.7	3789.1	8155.7	8196.2	6295.8	5308.1
72.5°	1097.4	1109.0	1472.9	2218.0	2472.1	1727.0	2085.1	5371.7	5233.1	3107.5	3038.2
75°	745.1	756.7	941.5	1478.7	1750.1	1201.4	1357.4	2928.4	2812.9	1715.5	1842.5
77.5°	502.5	514.1	646.9	993.5	1166.8	831.7	993.5	1548.0	1519.1	1137.9	987.7
80°	381.2	398.5	479.4	635.4	814.4	485.2	566.0	733.6	745.1	606.5	502.5
82.5°	213.7	236.8	288.8	323.5	525.6	271.5	271.5	439.0	421.6	375.4	271.5
85°	92.4	98.2	115.5	121.3	213.7	115.5	98.2	190.6	196.4	184.8	86.6
87.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	23.1	23.1	23.1	23.1
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°	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9
2.5°	4089.4	4124.1	4089.4	4072.1	4072.1	4043.2	4031.7	4031.7	3991.2	4008.5	3997.0
5°	4181.8	4193.4	4152.9	4101.0	4031.7	3973.9	3893.0	3789.1	3725.5	3719.7	3725.5
7.5°	4326.2	4332.0	4222.3	4106.7	3933.5	3725.5	3477.2	3275.0	3095.9	3067.1	3101.7
10°	4528.4	4516.8	4355.1	4083.6	3719.7	3280.8	2899.6	2714.7	2610.8	2605.0	2599.2
12.5°	4799.9	4724.8	4476.4	3985.4	3350.1	2841.8	2645.4	2633.9	2662.7	2685.8	2691.6
15°	5111.8	5013.6	4574.6	3794.8	2974.6	2680.1	2691.6	2789.8	2824.5	2847.6	2847.6
17.5°	5498.8	5371.7	4684.3	3523.4	2784.0	2714.7	2795.6	2888.0	2945.8	2968.9	2963.1
20°	6012.8	5747.1	4771.0	3263.4	2732.1	2772.5	2841.8	2934.2	2992.0	3020.9	3020.9
22.5°	6526.9	6197.7	4788.3	3084.4	2732.1	2778.3	2841.8	2934.2	2997.7	3026.6	3020.9
25°	7225.8	6775.3	4794.1	2957.3	2737.8	2749.4	2807.1	2888.0	2980.4	3009.3	3020.9
27.5°	7970.9	7410.6	4823.0	2928.4	2714.7	2708.9	2749.4	2824.5	2916.9	2992.0	2997.7
30°	8895.0	8126.8	4834.5	2957.3	2720.5	2645.4	2674.3	2749.4	2847.6	2922.7	2945.8
32.5°	9801.9	8791.1	4811.4	3020.9	2732.1	2605.0	2610.8	2657.0	2760.9	2812.9	2853.3
35°	10760.7	9495.8	4771.0	3107.5	2737.8	2587.6	2535.7	2558.8	2628.1	2633.9	2651.2
37.5°	11511.6	10021.4	4649.7	3223.0	2749.4	2524.1	2420.1	2402.8	2373.9	2316.2	2327.7
40°	12129.6	10373.7	4447.5	3280.8	2720.5	2449.0	2275.7	2194.9	2085.1	1998.5	2015.8
42.5°	12574.4	10610.5	4204.9	3292.3	2674.3	2322.0	2108.2	1969.6	1848.3	1755.9	1761.7
45°	12770.7	10587.4	3945.0	3205.7	2564.5	2166.0	1952.3	1819.4	1686.6	1588.4	1576.8
47.5°	12776.5	10362.2	3586.9	2997.7	2379.7	1986.9	1807.9	1663.5	1553.7	1484.4	1478.7
50°	12822.7	10235.1	3251.9	2697.4	2137.1	1796.3	1680.8	1536.4	1472.9	1374.7	1345.8
52.5°	13111.5	10443.0	3020.9	2368.2	1911.9	1657.7	1571.1	1444.0	1340.0	1276.5	1270.7
55°	13579.4	10801.1	2893.8	2119.8	1698.1	1524.9	1467.1	1357.4	1264.9	1201.4	1184.1
57.5°	13637.1	10986.0	2743.6	1888.8	1524.9	1420.9	1397.8	1276.5	1143.6	1097.4	1080.1
60°	*12828.5*	*10674.1*	*2558.8*	*1675.0*	*1397.8*	*1340.0*	*1328.5*	*1166.8*	*1057.0*	*999.2*	*976.1*
62.5°	11725.3	9894.3	2275.7	1478.7	1299.6	1259.2	1213.0	1085.9	947.3	883.7	866.4
65°	9582.4	8317.4	1935.0	1345.8	1201.4	1155.2	1143.6	970.4	878.0	843.3	837.5
67.5°	7260.4	6682.8	1703.9	1247.6	1097.4	1080.1	1039.7	981.9	941.5	901.1	889.5
70°	5134.9	4823.0	1449.8	1120.5	993.5	964.6	1132.1	1068.6	924.2	872.2	866.4
72.5°	3113.3	3026.6	1253.4	1005.0	854.8	901.1	1045.5	964.6	831.7	768.2	745.1
75°	1963.8	1796.3	1051.2	854.8	681.6	733.6	912.6	860.6	716.2	652.7	635.4
77.5°	1068.6	993.5	791.3	698.9	537.2	594.9	797.1	710.4	571.8	623.8	554.5
80°	467.9	519.8	525.6	404.3	358.1	439.0	571.8	554.5	439.0	444.8	369.7
82.5°	225.3	294.6	340.8	277.2	202.2	259.9	381.2	317.7	294.6	277.2	265.7
85°	69.3	109.7	150.2	132.8	92.4	109.7	179.1	173.3	207.9	179.1	167.5
87.5°	23.1	23.1	17.3	17.3	17.3	23.1	28.9	17.3	5.8	5.8	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°	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9
2.5°	3991.2	3997.0	3997.0	4002.8	4002.8	4020.1	4043.2	4066.3	4049.0	4072.1	4077.9
5°	3714.0	3742.9	3766.0	3852.6	3921.9	3979.7	4043.2	4101.0	4118.3	4129.8	4158.7
7.5°	3061.3	3142.1	3292.3	3488.7	3708.2	3921.9	4066.3	4216.5	4239.6	4268.5	4308.9
10°	2605.0	2639.6	2743.6	2945.8	3338.5	3760.2	4112.5	4349.3	4447.5	4505.3	4545.7
12.5°	2680.1	2657.0	2639.6	2668.5	2922.7	3465.6	4083.6	4539.9	4724.8	4788.3	4840.3
15°	2859.1	2836.0	2772.5	2691.6	2720.5	3153.7	3985.4	4719.0	5013.6	5117.5	5227.3
17.5°	2963.1	2940.0	2888.0	2801.4	2726.3	2893.8	3800.6	4880.7	5469.9	5596.9	5752.9
20°	3020.9	2997.7	2945.8	2859.1	2772.5	2795.6	3563.8	5082.9	5989.7	6191.9	6422.9
22.5°	3032.4	3003.5	2945.8	2859.1	2807.1	2789.8	3338.5	5204.2	6550.0	6861.9	7127.6
25°	3026.6	2974.6	2899.6	2836.0	2807.1	2801.4	3182.6	5273.5	7156.5	7653.2	7953.6
27.5°	2986.2	2922.7	2847.6	2801.4	2789.8	2824.5	3113.3	5354.4	7866.9	8502.3	8981.7
30°	2940.0	2847.6	2755.2	2737.8	2766.7	2876.5	3171.0	5383.2	8612.0	9426.4	9917.4
32.5°	2818.7	2749.4	2657.0	2651.2	2720.5	2916.9	3303.9	5342.8	9270.5	10350.6	10968.6
35°	2645.4	2605.0	2553.0	2570.3	2680.1	2951.5	3396.3	5215.7	9871.2	11211.2	11933.2
37.5°	2339.3	2368.2	2397.0	2437.5	2576.1	2945.8	3436.7	5013.6	10367.9	11898.6	12822.7
40°	1998.5	2096.7	2189.1	2293.1	2477.9	2899.6	3448.3	4765.2	10656.7	12418.4	13614.0
42.5°	1784.8	1877.2	1992.7	2142.9	2345.1	2795.6	3436.7	4488.0	10749.1	12776.5	14116.6
45°	1588.4	1698.1	1842.5	1998.5	2229.5	2645.4	3332.8	4187.6	10795.4	12944.0	14330.3
47.5°	1484.4	1548.0	1680.8	1836.8	2079.4	2460.6	3130.6	3968.1	10726.0	12978.7	14590.2
50°	1363.1	1449.8	1536.4	1686.6	1923.4	2229.5	2888.0	3841.0	10841.6	13319.5	15000.3
52.5°	1270.7	1316.9	1409.3	1548.0	1721.2	2015.8	2657.0	3737.1	11159.2	13666.0	15427.7
55°	1201.4	1253.4	1311.2	1426.7	1559.5	1802.1	2420.1	3581.1	11528.9	14035.7	15855.1
57.5°	1091.7	1126.3	1207.2	1328.5	1415.1	1594.2	2142.9	3396.3	11500.0	13746.9	15115.8
60°	*993.5*	*1028.1*	*1114.8*	*1236.1*	*1288.0*	*1409.3*	*1871.4*	*3159.5*	*10945.5*	*12805.4*	*13752.7*
62.5°	883.7	924.2	1028.1	1114.8	1161.0	1253.4	1588.4	2726.3	9790.3	11390.3	12158.5
65°	837.5	860.6	929.9	1033.9	1028.1	1114.8	1340.0	2142.9	7878.5	8704.4	9403.3
67.5°	889.5	924.2	912.6	941.5	924.2	970.4	1201.4	1721.2	6191.9	6555.8	6960.1
70°	878.0	958.8	999.2	941.5	808.6	860.6	1039.7	1374.7	4430.2	4395.5	4378.2
72.5°	768.2	849.1	964.6	1022.4	791.3	716.2	901.1	1189.9	2841.8	2830.2	2558.8
75°	652.7	710.4	849.1	924.2	681.6	577.6	774.0	1010.8	1698.1	1721.2	1536.4
77.5°	600.7	571.8	710.4	814.4	554.5	444.8	623.8	762.4	935.7	947.3	878.0
80°	433.2	415.9	531.4	594.9	421.6	317.7	352.3	473.6	502.5	450.5	467.9
82.5°	277.2	283.0	317.7	381.2	259.9	173.3	242.6	317.7	271.5	219.5	259.9
85°	179.1	202.2	167.5	196.4	80.9	80.9	104.0	138.6	92.4	63.5	69.3
87.5°	0.0	0.0	11.6	23.1	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: P1501390
CATALOG NUMBER: GSS-SB5B-727-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4077.9	4077.9	*4077.9*	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9	4077.9
2.5°	4095.2	4089.4	*4089.4*	4101.0	4129.8	4141.4	4158.7	4152.9	4170.3	4158.7
5°	4176.1	4181.8	*4199.2*	4204.9	4222.3	4245.4	4251.1	4245.4	4256.9	4256.9
7.5°	4337.8	4360.9	*4349.3*	4378.2	4355.1	4326.2	4280.0	4245.4	4216.5	4228.0
10°	4609.3	4597.7	*4591.9*	4539.9	4436.0	4285.8	4164.5	4031.7	4008.5	3985.4
12.5°	4909.6	4898.1	*4898.1*	4719.0	4424.4	4112.5	3835.3	3627.3	3558.0	3552.2
15°	5331.3	5256.2	*5186.9*	4811.4	4222.3	3690.9	3367.4	3205.7	3165.3	3165.3
17.5°	5856.9	5660.5	*5545.0*	4742.1	3893.0	3413.6	3223.0	3182.6	3171.0	3199.9
20°	6509.6	6012.8	*5845.3*	4586.1	3771.7	3448.3	3355.9	3361.6	3367.4	3407.8
22.5°	7225.8	6336.3	*6059.0*	4586.1	3893.0	3667.8	3621.6	3685.1	3702.4	3737.1
25°	8022.9	6625.1	*6249.6*	4828.7	4251.1	4083.6	4025.9	4089.4	4135.6	4193.4
27.5°	8918.2	6925.4	*6578.9*	5267.7	4713.2	4609.3	4545.7	4574.6	4638.1	4707.4
30°	9721.0	7427.9	*7081.4*	5937.7	5342.8	5215.7	5106.0	5152.2	5221.5	5267.7
32.5°	10431.5	8040.2	*7745.6*	6642.4	6064.8	5845.3	5724.0	5712.5	5851.1	5816.4
35°	11084.2	8762.2	*8479.2*	7445.3	6798.4	6526.9	6365.2	6573.1	6480.7	6515.3
37.5°	11598.2	9513.1	*9287.8*	8213.5	7560.8	7191.1	7092.9	7347.1	7491.5	7531.9
40°	12019.9	10165.8	*9929.0*	8975.9	8259.7	7988.2	8144.2	8565.8	8548.5	8531.2
42.5°	12343.3	10726.0	*10466.1*	9553.5	8929.7	8981.7	9103.0	9386.0	9455.3	9357.1
45°	12487.7	11078.4	*10870.4*	10009.8	9692.1	9992.5	10044.5	10165.8	10119.6	10056.0
47.5°	12655.2	11390.3	*11170.8*	10425.7	10518.1	10812.7	10708.7	10610.5	10443.0	10344.8
50°	12938.2	11759.9	*11575.1*	11032.2	11367.2	11269.0	10864.7	10645.2	10304.4	10188.9
52.5°	13475.4	12458.8	*12320.2*	11991.0	11765.7	11199.7	10708.7	10315.9	9934.7	9778.8
55°	13954.8	13406.1	*13325.2*	12886.3	11644.4	10835.8	10177.3	9570.8	8918.2	8785.3
57.5°	14232.1	14977.2	*15069.6*	13267.5	11089.9	10009.8	9039.4	8069.1	7451.0	7341.3
60°	*13406.1*	*16675.3*	*16721.5*	*13192.4*	*10090.7*	*8519.6*	*7040.9*	*6353.6*	*5689.4*	*5498.8*
62.5°	12268.2	16323.0	*16282.6*	12741.9	8034.4	6215.0	5348.6	5025.1	4511.1	4355.1
65°	10547.0	13596.7	*13642.9*	11009.1	5342.8	4493.7	4493.7	4083.6	3511.8	3402.1
67.5°	8594.7	10483.4	*10379.5*	7139.1	3280.8	3598.5	3771.7	3182.6	2379.7	2246.9
70°	5585.4	8005.5	*7861.1*	4118.3	2062.0	2997.7	2968.9	2391.3	1703.9	1611.5
72.5°	2402.8	4626.6	*4921.2*	2102.5	1553.7	2414.4	2368.2	1675.0	1137.9	1097.4
75°	1449.8	2327.7	*2535.7*	1340.0	1132.1	1819.4	1640.4	1062.8	774.0	745.1
77.5°	918.4	1276.5	*1264.9*	1005.0	849.1	1230.3	1103.2	733.6	525.6	502.5
80°	531.4	629.6	*652.7*	629.6	571.8	878.0	704.7	531.4	410.1	381.2
82.5°	340.8	392.8	*398.5*	306.1	317.7	566.0	381.2	311.9	236.8	213.7
85°	150.2	167.5	*161.7*	104.0	104.0	231.0	132.8	127.1	92.4	92.4
87.5°	5.8	11.6	*5.8*	5.8	5.8	23.1	11.6	17.3	17.3	17.3
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

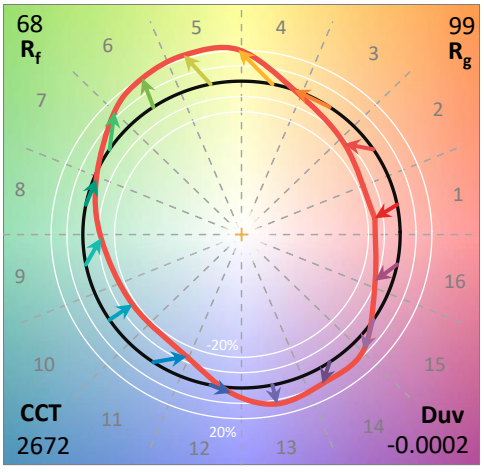
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

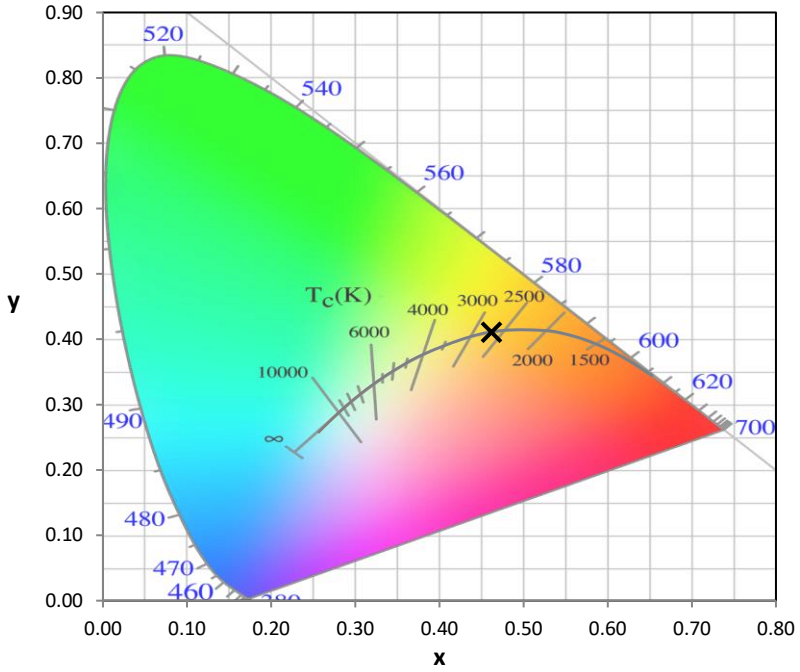
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

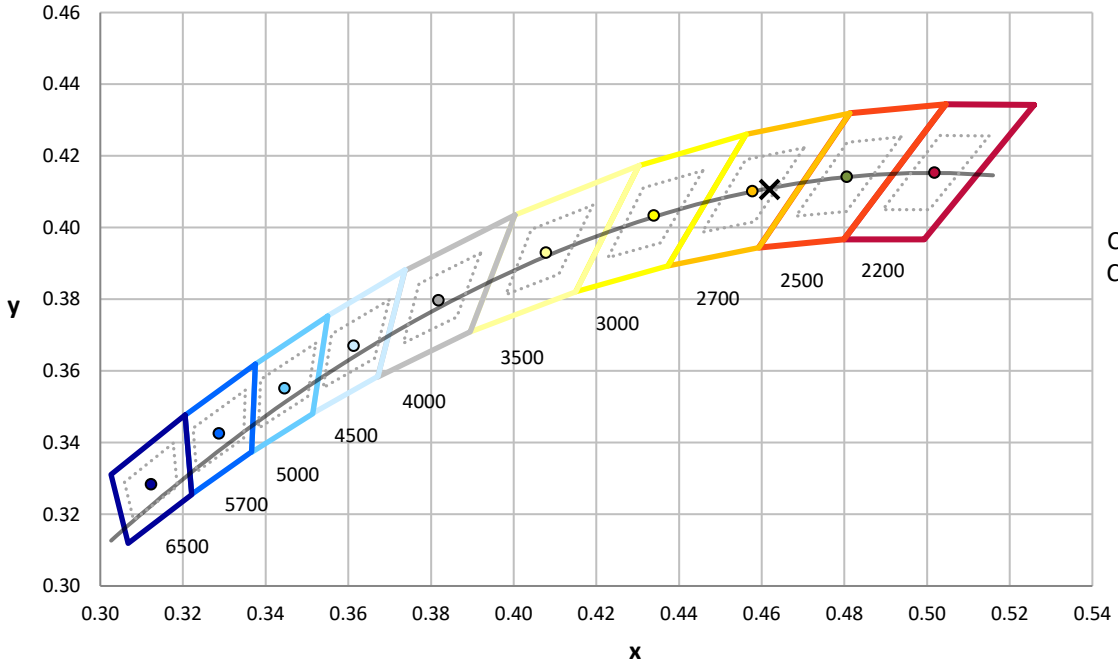
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

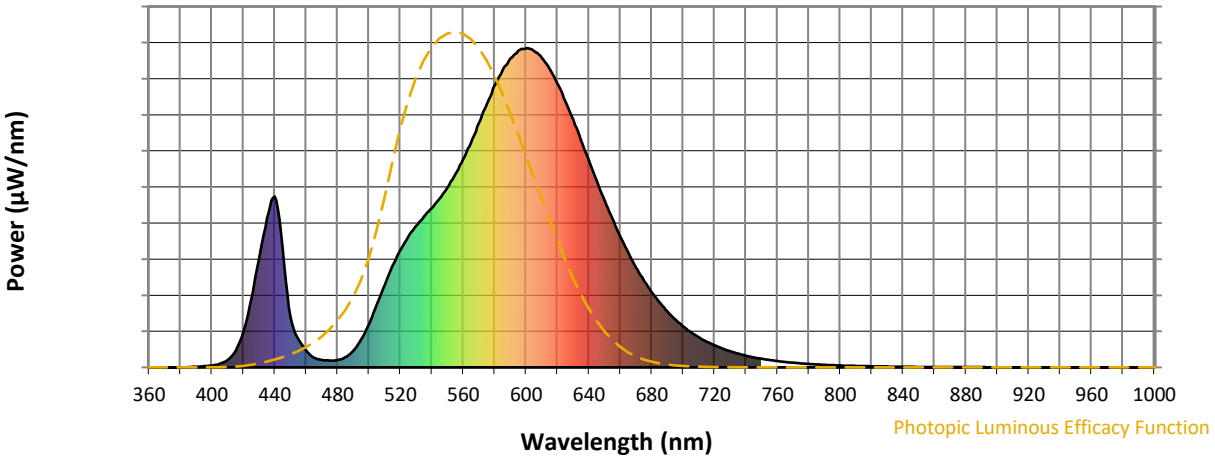


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

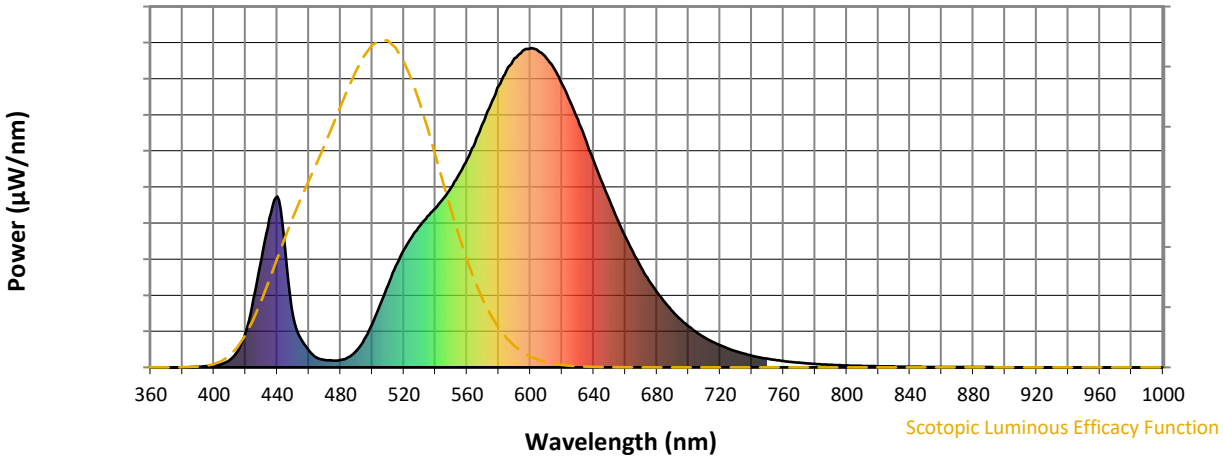


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

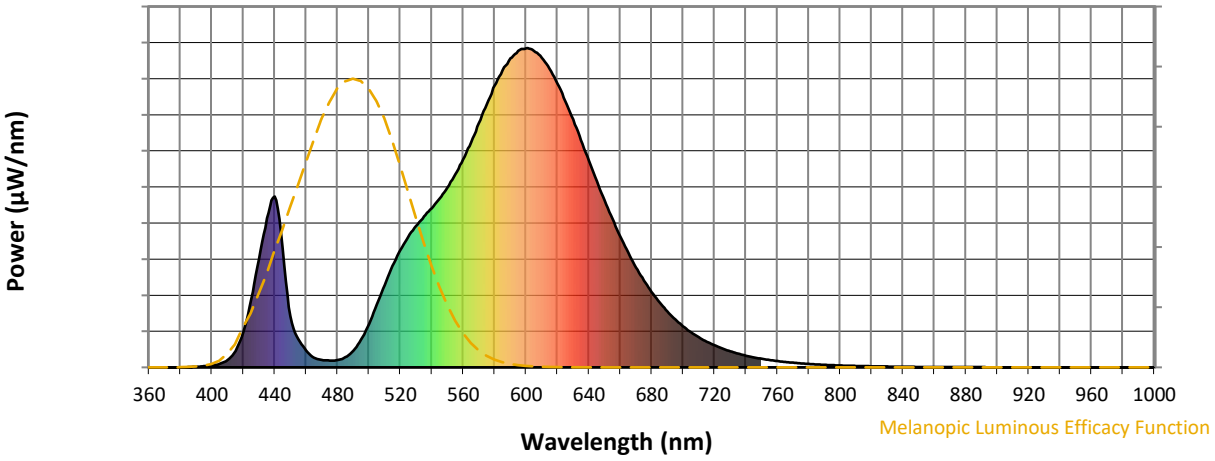


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

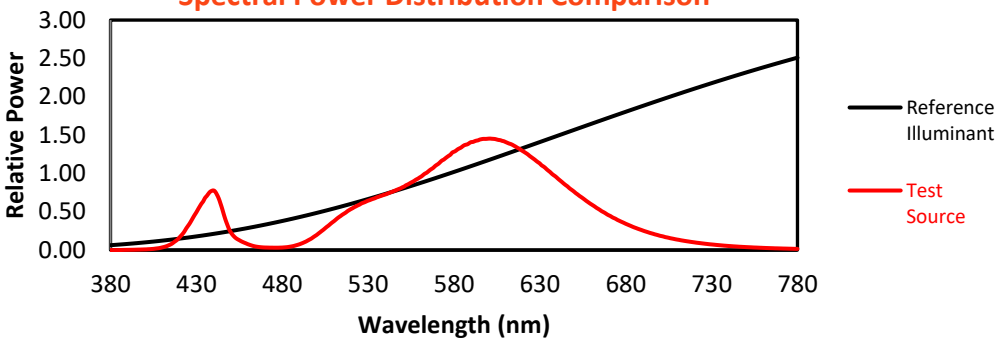
REPORT NUMBER: SP1-2407-184-3

TM-30-18

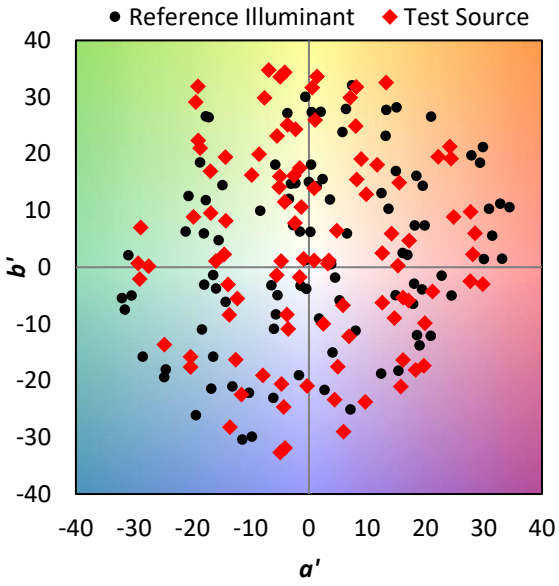
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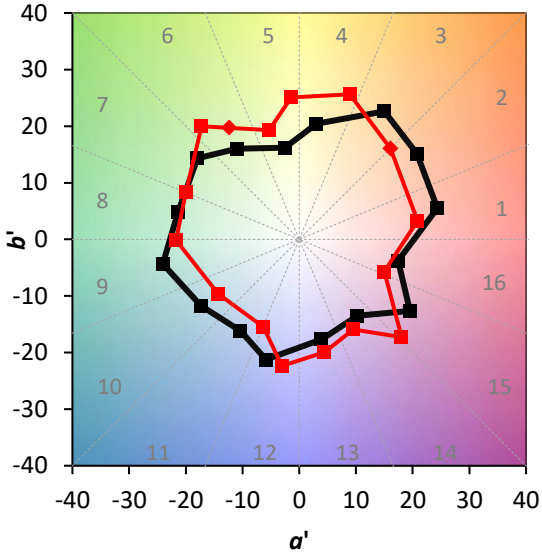
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

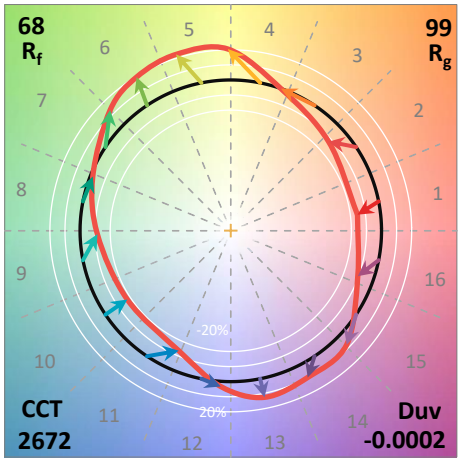
Spectral Power Distribution Comparison

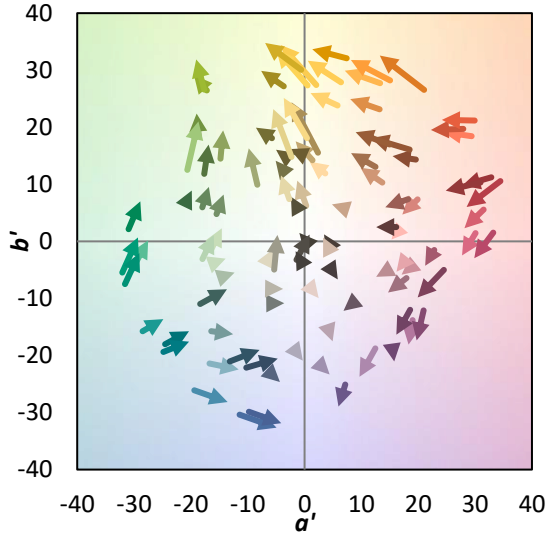


Color Vector Graphics







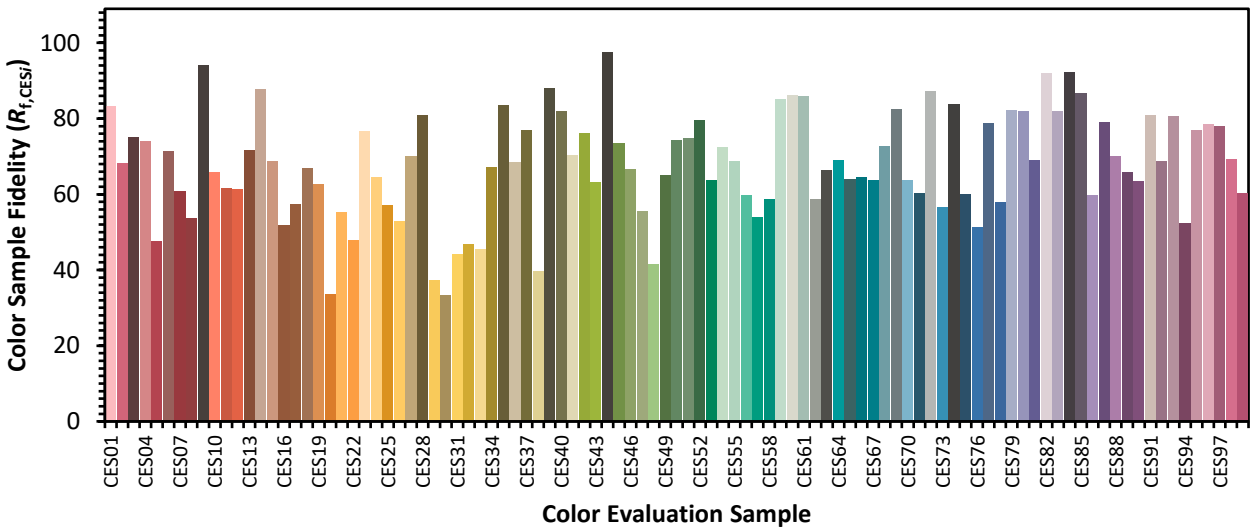


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Individual Sample Fidelity Index ($R_{f,i}$)

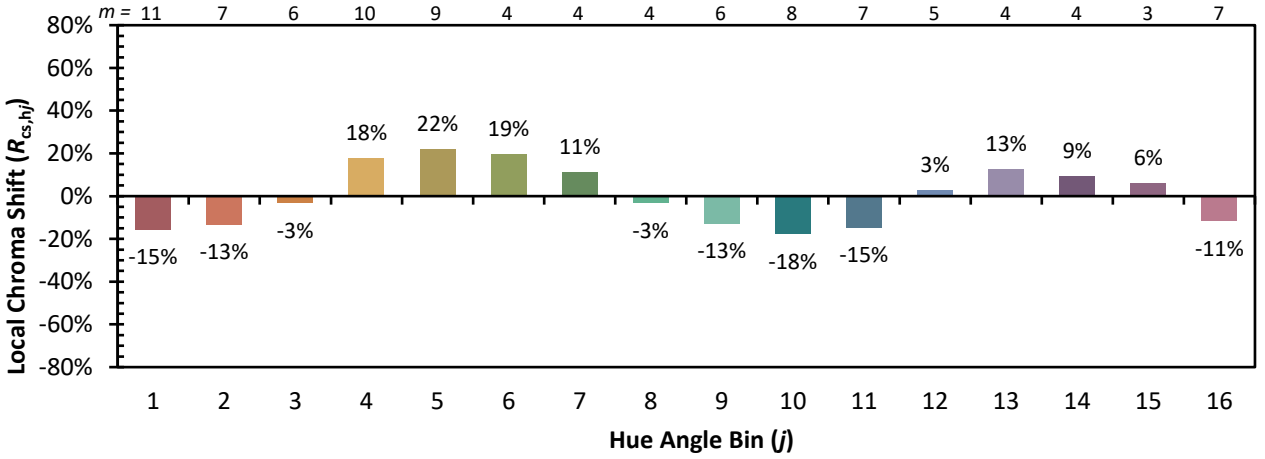
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

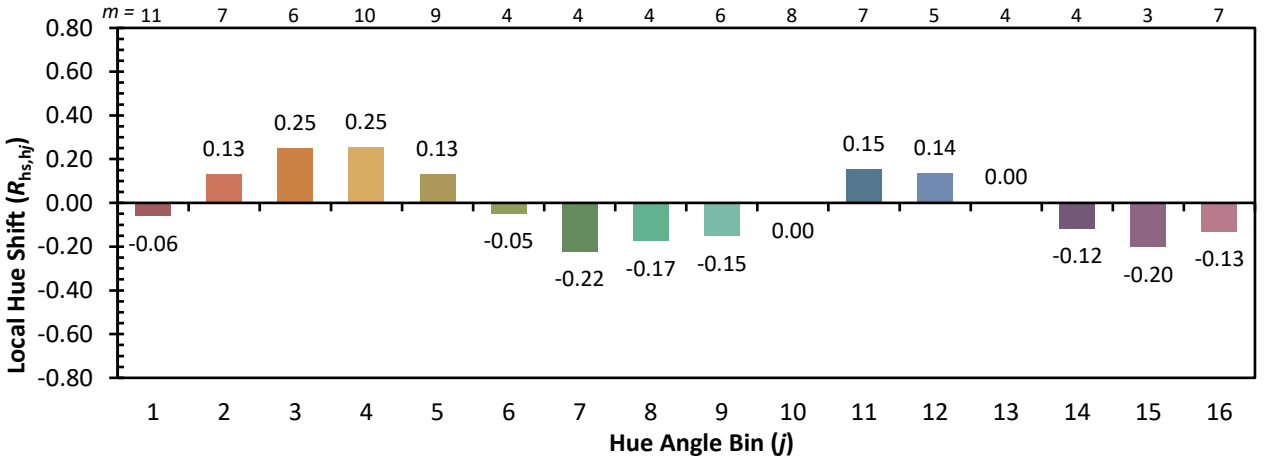


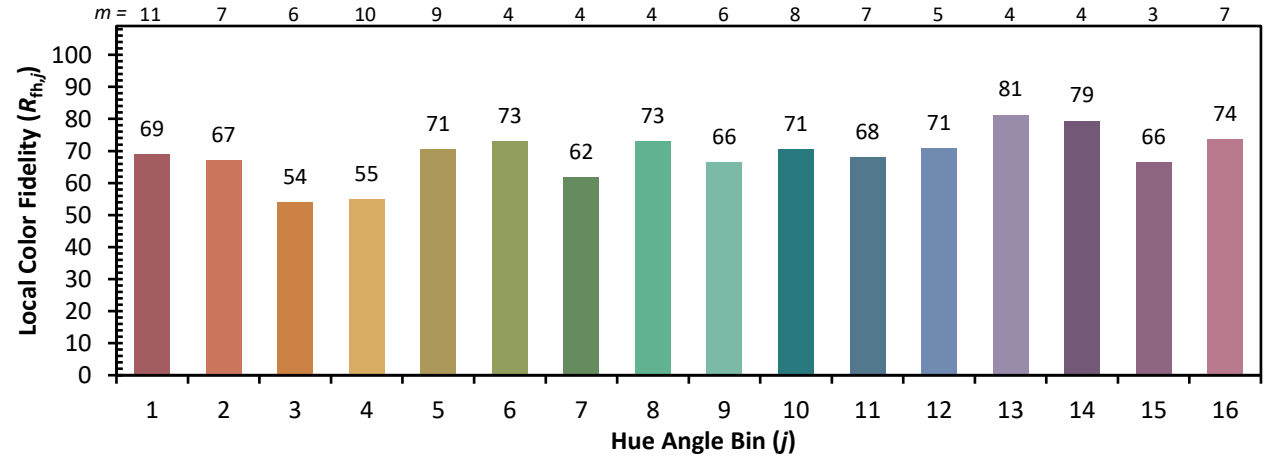
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Color Rendition by Hue-Angle Bin



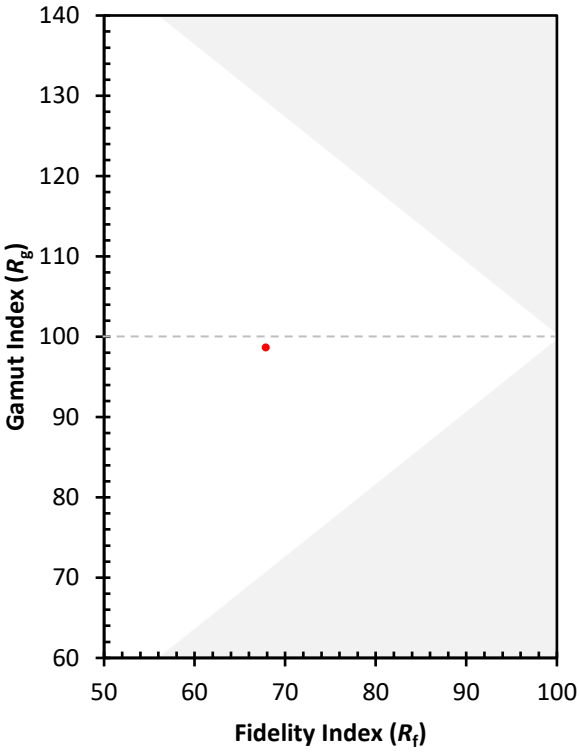


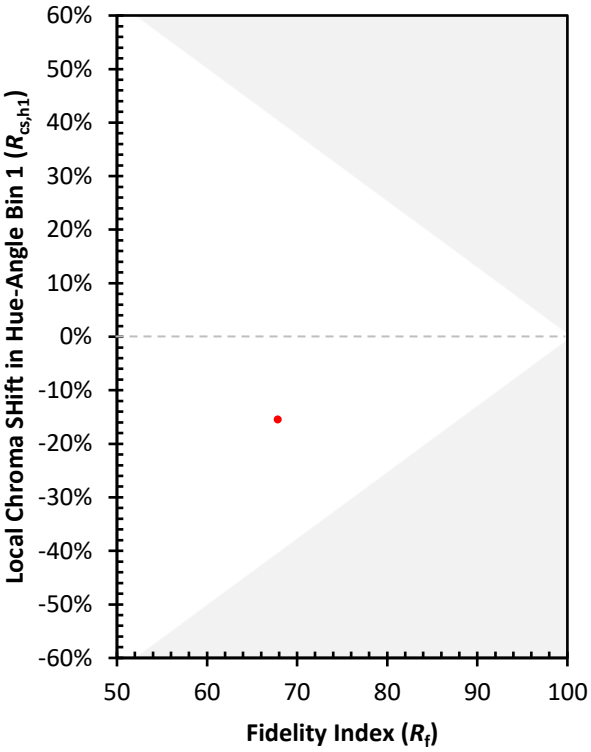


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Measure Comparisons





(END OF REPORT)