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: P1501458

Luminaire Tested: GSS-SB4B-750-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:	P1501458
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23132.8 lumens
Efficiency:	N/A
Efficacy:	156.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

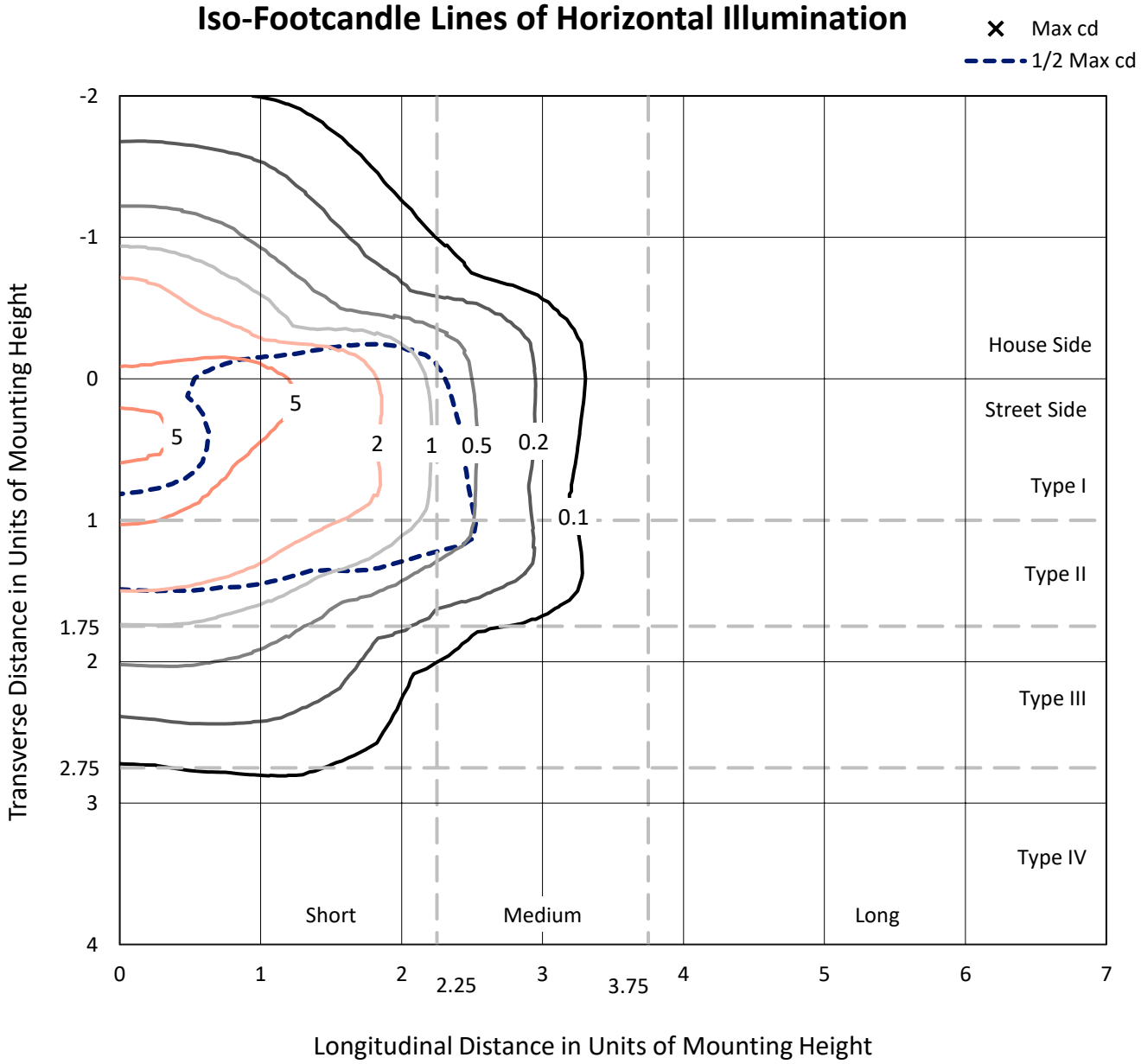
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



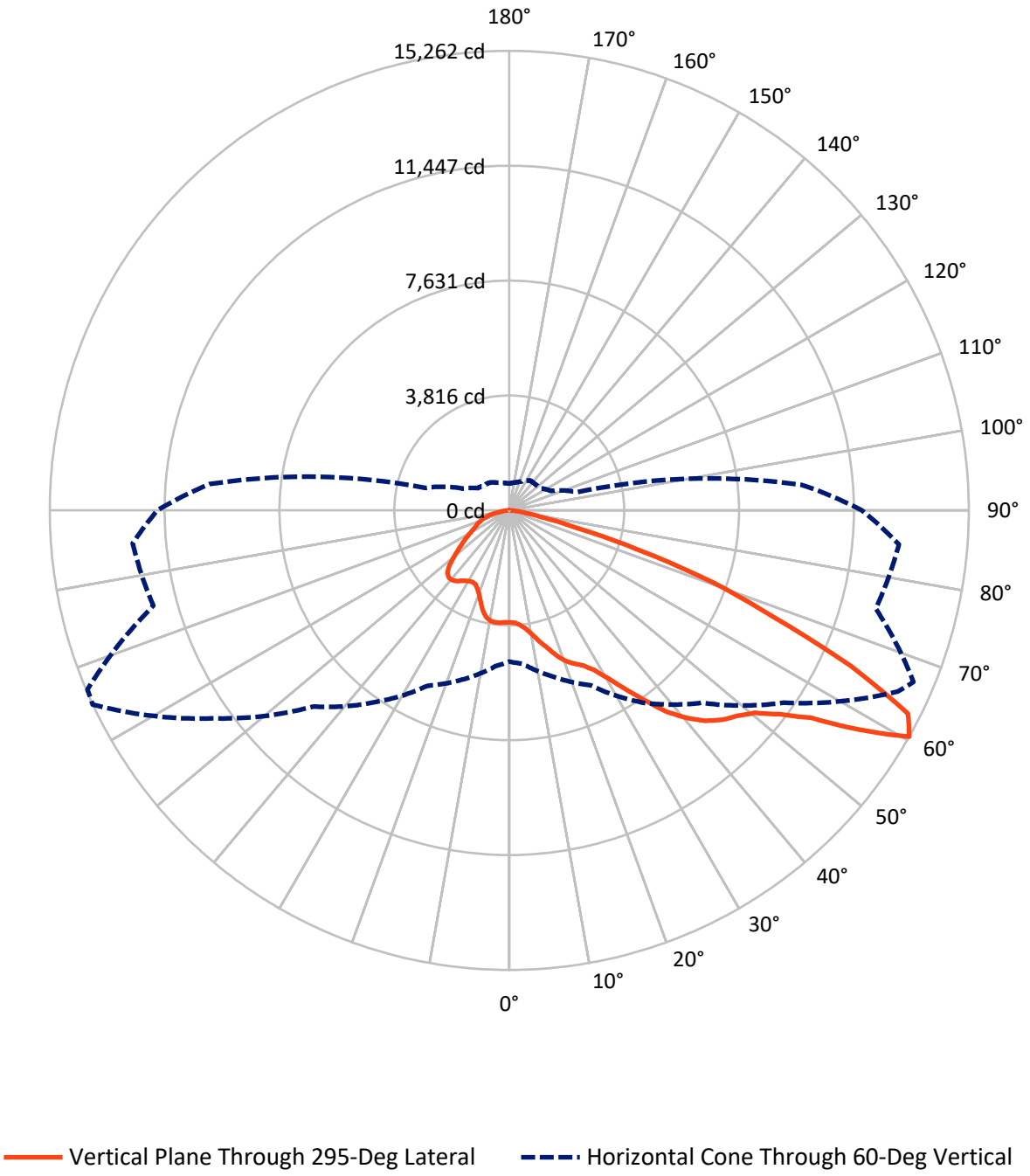
Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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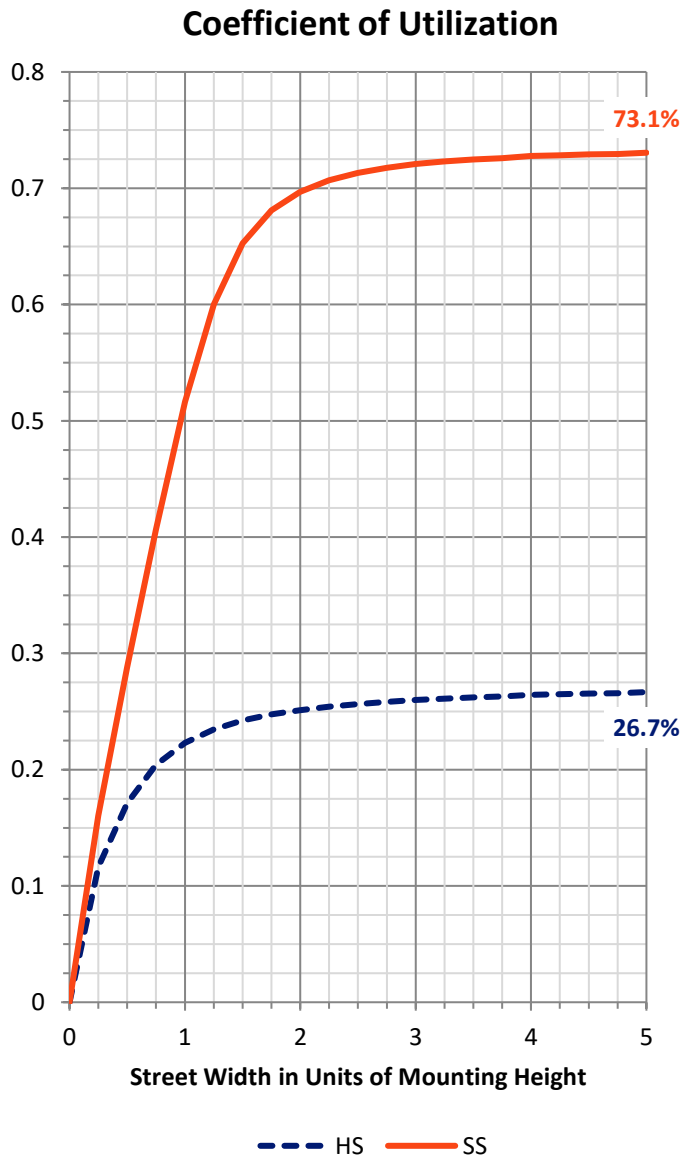
REPORT NUMBER: P1501458
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6220.7	0.0	6220.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	16912.1	0.0	16912.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	23132.8	0.0	23132.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.0	1.5
10°-20°	1006.0	4.3
20°-30°	1905.5	8.2
30°-40°	3359.3	14.5
40°-50°	4968.1	21.5
50°-60°	5833.9	25.2
60°-70°	4226.9	18.3
70°-80°	1303.5	5.6
80°-90°	179.5	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°	23132.8	100.0
0°-180°	23132.8	100.0



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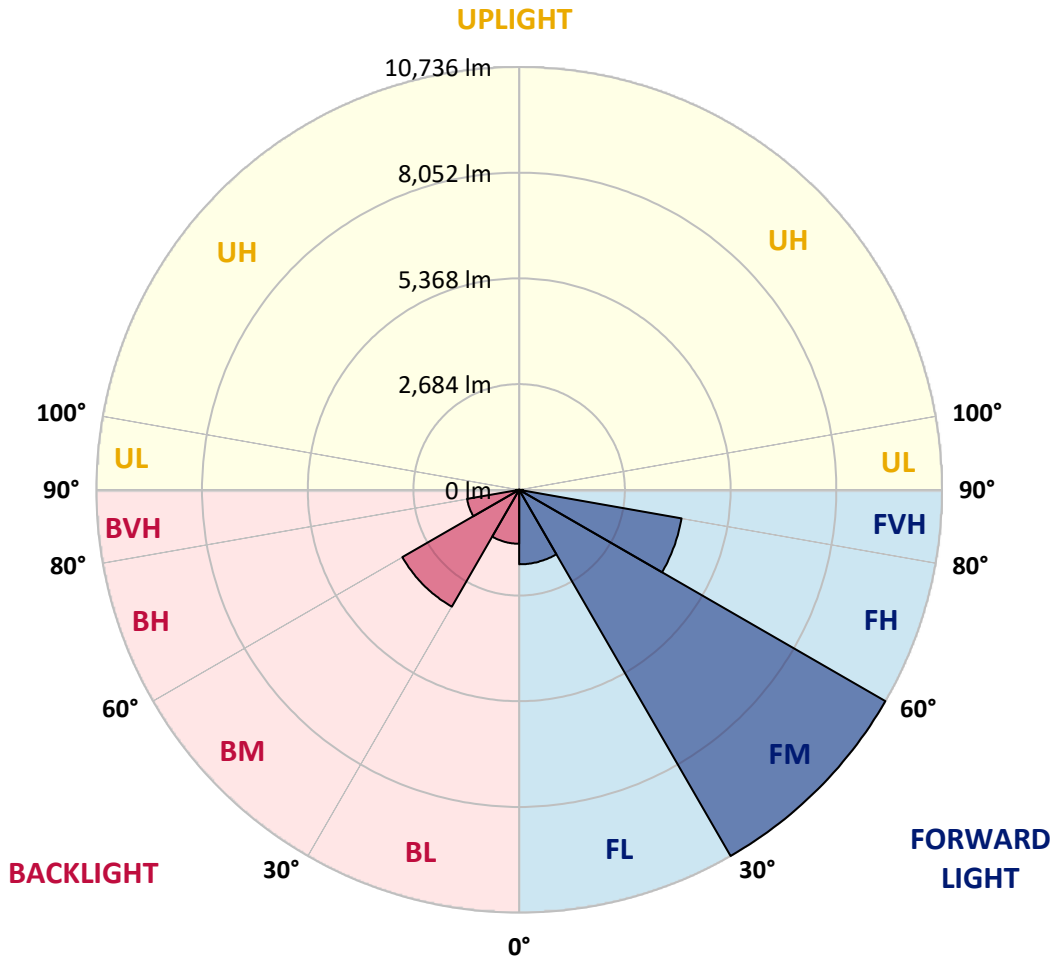
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1891.5	8.2			
FM	(30°-60°)	10736.1	46.4			
FH	(60°-80°)	4187.7	18.1			G2/5000
FVH	(80°-90°)	96.8	0.4			G1/100
BL	(0°-30°)	1370.0	5.9	B3/2500		
BM	(30°-60°)	3425.3	14.8	B3/5000		
BH	(60°-80°)	1342.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	82.7	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°	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0
2.5°	3795.8	3806.3	3790.5	3801.0	3801.0	3785.2	3780.0	3758.9	3769.4	3764.1	3758.9
5°	3885.4	3890.7	3880.1	3895.9	3895.9	3901.2	3895.9	3869.6	3869.6	3869.6	3859.0
7.5°	3859.0	3859.0	3864.3	3917.0	3969.7	4038.3	4038.3	4027.7	4038.3	4033.0	3985.6
10°	3637.6	3658.7	3706.1	3837.9	3964.5	4112.1	4212.2	4243.9	4243.9	4249.2	4170.1
12.5°	3242.2	3258.0	3368.7	3569.1	3832.7	4101.5	4344.0	4502.2	4518.0	4544.4	4438.9
15°	2889.0	2899.5	2978.6	3184.2	3484.7	3959.2	4417.9	4744.7	4797.4	4908.1	4750.0
17.5°	2920.6	2915.4	2936.4	3015.5	3231.7	3727.2	4402.0	5029.4	5124.3	5319.3	5182.3
20°	3110.4	3110.4	3126.2	3142.1	3221.1	3558.5	4286.1	5261.4	5445.9	5825.4	5667.3
22.5°	3410.9	3410.9	3405.6	3432.0	3432.0	3632.3	4291.3	5435.3	5709.5	6389.5	6236.7
25°	3827.4	3806.3	3806.3	3816.9	3769.4	3911.7	4423.1	5614.6	5973.1	7059.1	6927.3
27.5°	4296.6	4312.4	4301.9	4265.0	4201.7	4312.4	4739.4	5894.0	6268.3	7765.5	7712.8
30°	4808.0	4813.2	4823.8	4802.7	4750.0	4829.1	5235.0	6315.7	6658.4	8503.6	8619.6
32.5°	5308.8	5382.6	5356.2	5303.5	5324.6	5467.0	5846.5	6885.1	7238.3	9188.9	9600.1
35°	5946.7	5973.1	6078.5	5883.4	5888.7	6131.2	6626.8	7633.7	7976.4	9900.6	10580.7
37.5°	6874.6	6922.0	6874.6	6568.8	6521.3	6858.7	7385.9	8371.8	8619.6	10438.4	11492.7
40°	7786.6	7844.6	7923.7	7565.2	7264.7	7544.1	8102.9	8935.9	9194.2	10733.6	12099.0
42.5°	8540.5	8635.4	8551.0	8445.6	8171.4	8224.2	8603.7	9373.4	9631.8	11107.9	12710.5
45°	9178.4	9194.2	9231.1	9157.3	9020.2	8972.8	9030.8	9758.3	10043.0	11276.6	13011.0
47.5°	9442.0	9510.5	9542.1	9668.7	9811.0	9716.1	9394.5	9937.5	10195.9	11266.0	13105.9
50°	9299.6	9368.2	9536.9	9837.4	10180.0	10348.7	9821.5	10185.3	10475.3	11455.8	13301.0
52.5°	8925.3	8999.1	9273.3	9615.9	10190.6	10575.4	10422.5	10702.0	10981.4	11793.2	13627.9
55°	8018.6	8129.3	8514.1	9083.5	9874.3	10454.2	11055.2	11461.1	11766.9	12199.2	13965.3
57.5°	6700.6	6816.6	7248.9	8102.9	9289.1	9953.3	11239.7	12884.5	13021.6	12684.2	13996.9
60°	*5018.8*	*5113.7*	*5725.3*	*6410.6*	*7802.4*	*9036.0*	*11134.2*	*14234.1*	*14582.1*	*12599.8*	*12990.0*
62.5°	3975.0	4091.0	4634.0	4950.3	5946.7	7465.0	10765.2	14608.4	14908.9	11903.9	11587.6
65°	3105.1	3184.2	3690.3	4143.7	4386.2	5097.9	9225.8	12779.1	13047.9	10770.5	9563.2
67.5°	2050.8	2172.0	2773.0	3395.1	3521.6	3242.2	6347.4	9832.1	9958.6	8561.6	7190.9
70°	1470.9	1528.9	1977.0	2641.2	2831.0	2172.0	3458.4	7443.9	7480.8	5746.4	4844.9
72.5°	1001.7	1012.2	1344.3	2024.4	2256.4	1576.3	1903.2	4902.9	4776.3	2836.3	2773.0
75°	680.1	690.6	859.3	1349.6	1597.4	1096.6	1238.9	2672.9	2567.4	1565.8	1681.7
77.5°	458.7	469.2	590.5	906.8	1064.9	759.2	906.8	1412.9	1386.5	1038.6	901.5
80°	347.9	363.8	437.6	579.9	743.3	442.8	516.6	669.5	680.1	553.5	458.7
82.5°	195.1	216.1	263.6	295.2	479.7	247.8	247.8	400.7	384.8	342.7	247.8
85°	84.4	89.6	105.4	110.7	195.1	105.4	89.6	174.0	179.2	168.7	79.1
87.5°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	21.1	21.1	21.1	21.1
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°	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0
2.5°	3732.5	3764.1	3732.5	3716.7	3716.7	3690.3	3679.8	3679.8	3642.9	3658.7	3648.2
5°	3816.9	3827.4	3790.5	3743.0	3679.8	3627.1	3553.3	3458.4	3400.4	3395.1	3400.4
7.5°	3948.7	3953.9	3853.8	3748.3	3590.2	3400.4	3173.7	2989.2	2825.7	2799.4	2831.0
10°	4133.2	4122.6	3975.0	3727.2	3395.1	2994.4	2646.5	2477.8	2382.9	2377.6	2372.4
12.5°	4380.9	4312.4	4085.7	3637.6	3057.7	2593.8	2414.5	2404.0	2430.3	2451.4	2456.7
15°	4665.6	4576.0	4175.3	3463.6	2715.0	2446.2	2456.7	2546.3	2578.0	2599.0	2599.0
17.5°	5018.8	4902.9	4275.5	3215.9	2541.1	2477.8	2551.6	2635.9	2688.7	2709.8	2704.5
20°	5488.0	5245.5	4354.6	2978.6	2493.6	2530.5	2593.8	2678.1	2730.8	2757.2	2757.2
22.5°	5957.2	5656.7	4370.4	2815.2	2493.6	2535.8	2593.8	2678.1	2736.1	2762.5	2757.2
25°	6595.1	6183.9	4375.7	2699.2	2498.9	2509.4	2562.1	2635.9	2720.3	2746.7	2757.2
27.5°	7275.2	6763.8	4402.0	2672.9	2477.8	2472.5	2509.4	2578.0	2662.3	2730.8	2736.1
30°	8118.7	7417.6	4412.6	2699.2	2483.1	2414.5	2440.9	2509.4	2599.0	2667.6	2688.7
32.5°	8946.4	8023.8	4391.5	2757.2	2493.6	2377.6	2382.9	2425.1	2520.0	2567.4	2604.3
35°	9821.5	8667.0	4354.6	2836.3	2498.9	2361.8	2314.4	2335.5	2398.7	2404.0	2419.8
37.5°	10506.9	9146.7	4243.9	2941.7	2509.4	2303.8	2208.9	2193.1	2166.8	2114.0	2124.6
40°	11071.0	9468.3	4059.4	2994.4	2483.1	2235.3	2077.1	2003.3	1903.2	1824.1	1839.9
42.5°	11476.9	9684.5	3837.9	3005.0	2440.9	2119.3	1924.2	1797.7	1687.0	1602.7	1607.9
45°	11656.2	9663.4	3600.7	2925.9	2340.7	1977.0	1781.9	1660.6	1539.4	1449.8	1439.2
47.5°	11661.4	9457.8	3273.8	2736.1	2172.0	1813.5	1650.1	1518.3	1418.1	1354.9	1349.6
50°	11703.6	9341.8	2968.1	2462.0	1950.6	1639.6	1534.1	1402.3	1344.3	1254.7	1228.4
52.5°	11967.2	9531.6	2757.2	2161.5	1745.0	1513.0	1434.0	1318.0	1223.1	1165.1	1159.8
55°	12394.2	9858.4	2641.2	1934.8	1549.9	1391.8	1339.1	1238.9	1154.5	1096.6	1080.7
57.5°	12447.0	10027.2	2504.2	1723.9	1391.8	1296.9	1275.8	1165.1	1043.8	1001.7	985.8
60°	*11708.9*	*9742.5*	*2335.5*	*1528.9*	*1275.8*	*1223.1*	*1212.5*	*1064.9*	*964.8*	*912.0*	*891.0*
62.5°	10702.0	9030.8	2077.1	1349.6	1186.2	1149.3	1107.1	991.1	864.6	806.6	790.8
65°	8746.1	7591.5	1766.1	1228.4	1096.6	1054.4	1043.8	885.7	801.3	769.7	764.4
67.5°	6626.8	6099.6	1555.2	1138.7	1001.7	985.8	948.9	896.2	859.3	822.4	811.9
70°	4686.7	4402.0	1323.2	1022.7	906.8	880.4	1033.3	975.3	843.5	796.1	790.8
72.5°	2841.6	2762.5	1144.0	917.3	780.2	822.4	954.2	880.4	759.2	701.2	680.1
75°	1792.4	1639.6	959.5	780.2	622.1	669.5	833.0	785.5	653.7	595.7	579.9
77.5°	975.3	906.8	722.3	637.9	490.3	543.0	727.5	648.4	521.9	569.4	506.1
80°	427.0	474.5	479.7	369.0	326.9	400.7	521.9	506.1	400.7	405.9	337.4
82.5°	205.6	268.9	311.0	253.1	184.5	237.2	347.9	290.0	268.9	253.1	242.5
85°	63.3	100.2	137.1	121.3	84.4	100.2	163.4	158.2	189.8	163.4	152.9
87.5°	21.1	21.1	15.8	15.8	15.8	21.1	26.4	15.8	5.3	5.3	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0
2.5°	3642.9	3648.2	3648.2	3653.4	3653.4	3669.2	3690.3	3711.4	3695.6	3716.7	3722.0
5°	3389.8	3416.2	3437.3	3516.4	3579.6	3632.3	3690.3	3743.0	3758.9	3769.4	3795.8
7.5°	2794.1	2867.9	3005.0	3184.2	3384.6	3579.6	3711.4	3848.5	3869.6	3895.9	3932.8
10°	2377.6	2409.3	2504.2	2688.7	3047.2	3432.0	3753.6	3969.7	4059.4	4112.1	4149.0
12.5°	2446.2	2425.1	2409.3	2435.6	2667.6	3163.1	3727.2	4143.7	4312.4	4370.4	4417.9
15°	2609.6	2588.5	2530.5	2456.7	2483.1	2878.5	3637.6	4307.1	4576.0	4670.9	4771.1
17.5°	2704.5	2683.4	2635.9	2556.9	2488.3	2641.2	3468.9	4454.8	4992.5	5108.5	5250.8
20°	2757.2	2736.1	2688.7	2609.6	2530.5	2551.6	3252.8	4639.3	5467.0	5651.5	5862.4
22.5°	2767.7	2741.4	2688.7	2609.6	2562.1	2546.3	3047.2	4750.0	5978.3	6263.0	6505.5
25°	2762.5	2715.0	2646.5	2588.5	2562.1	2556.9	2904.8	4813.2	6531.9	6985.3	7259.4
27.5°	2725.6	2667.6	2599.0	2556.9	2546.3	2578.0	2841.6	4887.0	7180.3	7760.2	8197.8
30°	2683.4	2599.0	2514.7	2498.9	2525.2	2625.4	2894.3	4913.4	7860.4	8603.7	9051.8
32.5°	2572.7	2509.4	2425.1	2419.8	2483.1	2662.3	3015.5	4876.5	8461.4	9447.2	10011.3
35°	2414.5	2377.6	2330.2	2346.0	2446.2	2693.9	3099.9	4760.5	9009.7	10232.8	10891.7
37.5°	2135.1	2161.5	2187.8	2224.7	2351.3	2688.7	3136.8	4576.0	9463.1	10860.1	11703.6
40°	1824.1	1913.7	1998.0	2092.9	2261.6	2646.5	3147.3	4349.3	9726.7	11334.6	12425.9
42.5°	1629.0	1713.4	1818.8	1955.9	2140.4	2551.6	3136.8	4096.3	9811.0	11661.4	12884.5
45°	1449.8	1549.9	1681.7	1824.1	2035.0	2414.5	3041.9	3822.1	9853.2	11814.3	13079.6
47.5°	1354.9	1412.9	1534.1	1676.5	1897.9	2245.8	2857.4	3621.8	9789.9	11846.0	13316.8
50°	1244.2	1323.2	1402.3	1539.4	1755.5	2035.0	2635.9	3505.8	9895.4	12157.0	13691.1
52.5°	1159.8	1202.0	1286.3	1412.9	1571.0	1839.9	2425.1	3410.9	10185.3	12473.3	14081.2
55°	1096.6	1144.0	1196.7	1302.2	1423.4	1644.8	2208.9	3268.6	10522.7	12810.7	14471.4
57.5°	996.4	1028.0	1101.8	1212.5	1291.6	1455.0	1955.9	3099.9	10496.3	12547.1	13796.6
60°	*906.8*	*938.4*	*1017.5*	*1128.2*	*1175.6*	*1286.3*	*1708.1*	*2883.7*	*9990.2*	*11687.8*	*12552.4*
62.5°	806.6	843.5	938.4	1017.5	1059.7	1144.0	1449.8	2488.3	8935.9	10396.2	11097.3
65°	764.4	785.5	848.8	943.7	938.4	1017.5	1223.1	1955.9	7190.9	7944.8	8582.7
67.5°	811.9	843.5	833.0	859.3	843.5	885.7	1096.6	1571.0	5651.5	5983.6	6352.6
70°	801.3	875.1	912.0	859.3	738.1	785.5	948.9	1254.7	4043.5	4011.9	3996.1
72.5°	701.2	775.0	880.4	933.1	722.3	653.7	822.4	1086.0	2593.8	2583.2	2335.5
75°	595.7	648.4	775.0	843.5	622.1	527.2	706.4	922.6	1549.9	1571.0	1402.3
77.5°	548.3	521.9	648.4	743.3	506.1	405.9	569.4	695.9	854.0	864.6	801.3
80°	395.4	379.6	485.0	543.0	384.8	290.0	321.6	432.3	458.7	411.2	427.0
82.5°	253.1	258.3	290.0	347.9	237.2	158.2	221.4	290.0	247.8	200.3	237.2
85°	163.4	184.5	152.9	179.2	73.8	73.8	94.9	126.5	84.4	58.0	63.3
87.5°	0.0	0.0	10.5	21.1	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: P1501458
CATALOG NUMBER: GSS-SB4B-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0
2.5°	3737.8	3732.5	3732.5	3743.0	3769.4	3780.0	3795.8	3790.5	3806.3	3795.8
5°	3811.6	3816.9	3832.7	3837.9	3853.8	3874.8	3880.1	3874.8	3885.4	3885.4
7.5°	3959.2	3980.3	3969.7	3996.1	3975.0	3948.7	3906.5	3874.8	3848.5	3859.0
10°	4207.0	4196.4	4191.2	4143.7	4048.8	3911.7	3801.0	3679.8	3658.7	3637.6
12.5°	4481.1	4470.6	4470.6	4307.1	4038.3	3753.6	3500.5	3310.8	3247.5	3242.2
15°	4866.0	4797.4	4734.2	4391.5	3853.8	3368.7	3073.5	2925.9	2889.0	2889.0
17.5°	5345.7	5166.5	5061.0	4328.2	3553.3	3115.7	2941.7	2904.8	2894.3	2920.6
20°	5941.4	5488.0	5335.2	4185.9	3442.5	3147.3	3063.0	3068.2	3073.5	3110.4
22.5°	6595.1	5783.3	5530.2	4185.9	3553.3	3347.7	3305.5	3363.5	3379.3	3410.9
25°	7322.7	6046.9	5704.2	4407.3	3880.1	3727.2	3674.5	3732.5	3774.7	3827.4
27.5°	8139.8	6321.0	6004.7	4808.0	4301.9	4207.0	4149.0	4175.3	4233.3	4296.6
30°	8872.6	6779.7	6463.3	5419.5	4876.5	4760.5	4660.4	4702.5	4765.8	4808.0
32.5°	9521.0	7338.5	7069.6	6062.7	5535.5	5335.2	5224.5	5213.9	5340.4	5308.8
35°	10116.8	7997.5	7739.1	6795.5	6205.0	5957.2	5809.6	5999.4	5915.1	5946.7
37.5°	10586.0	8682.8	8477.2	7496.6	6900.9	6563.5	6473.9	6705.9	6837.7	6874.6
40°	10970.8	9278.5	9062.4	8192.5	7538.8	7291.0	7433.4	7818.2	7802.4	7786.6
42.5°	11266.0	9789.9	9552.7	8719.7	8150.4	8197.8	8308.5	8566.8	8630.1	8540.5
45°	11397.8	10111.5	9921.7	9136.2	8846.2	9120.4	9167.8	9278.5	9236.4	9178.4
47.5°	11550.7	10396.2	10195.9	9515.8	9600.1	9869.0	9774.1	9684.5	9531.6	9442.0
50°	11809.1	10733.6	10564.9	10069.3	10375.1	10285.5	9916.4	9716.1	9405.1	9299.6
52.5°	12299.3	11371.5	11245.0	10944.5	10738.9	10222.2	9774.1	9415.6	9067.7	8925.3
55°	12736.9	12236.1	12162.3	11761.6	10628.1	9890.1	9289.1	8735.5	8139.8	8018.6
57.5°	12990.0	13670.0	13754.4	12109.6	10122.0	9136.2	8250.5	7364.8	6800.7	6700.6
60°	12236.1	15220.0	15262.1	12041.0	9210.0	7776.1	6426.4	5799.1	5192.8	5018.8
62.5°	11197.5	14898.4	14861.5	11629.8	7333.2	5672.6	4881.8	4586.6	4117.4	3975.0
65°	9626.5	12410.0	12452.2	10048.2	4876.5	4101.5	4101.5	3727.2	3205.3	3105.1
67.5°	7844.6	9568.5	9473.6	6516.1	2994.4	3284.4	3442.5	2904.8	2172.0	2050.8
70°	5097.9	7306.9	7175.1	3758.9	1882.1	2736.1	2709.8	2182.6	1555.2	1470.9
72.5°	2193.1	4222.8	4491.7	1919.0	1418.1	2203.7	2161.5	1528.9	1038.6	1001.7
75°	1323.2	2124.6	2314.4	1223.1	1033.3	1660.6	1497.2	970.0	706.4	680.1
77.5°	838.2	1165.1	1154.5	917.3	775.0	1122.9	1006.9	669.5	479.7	458.7
80°	485.0	574.6	595.7	574.6	521.9	801.3	643.2	485.0	374.3	347.9
82.5°	311.0	358.5	363.8	279.4	290.0	516.6	347.9	284.7	216.1	195.1
85°	137.1	152.9	147.6	94.9	94.9	210.9	121.3	116.0	84.4	84.4
87.5°	5.3	10.5	5.3	5.3	5.3	21.1	10.5	15.8	15.8	15.8
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

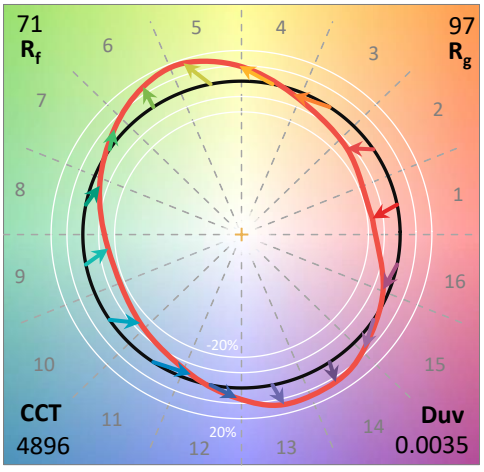
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

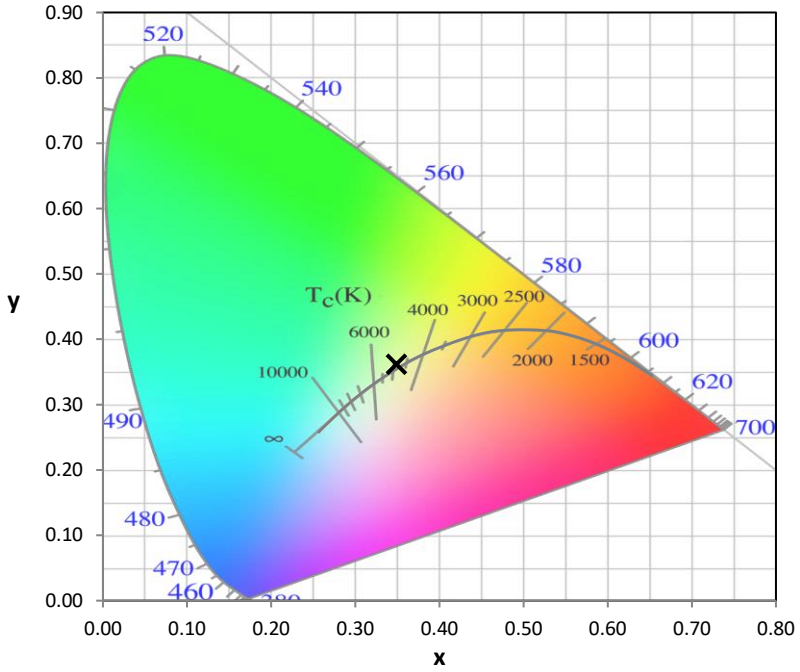
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

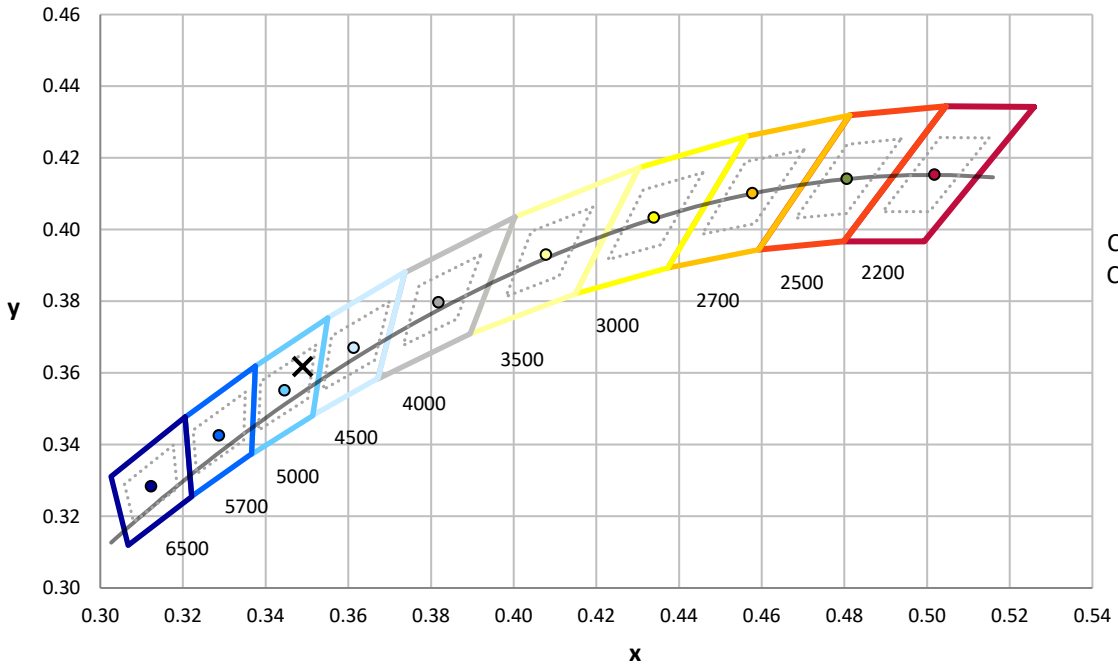
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

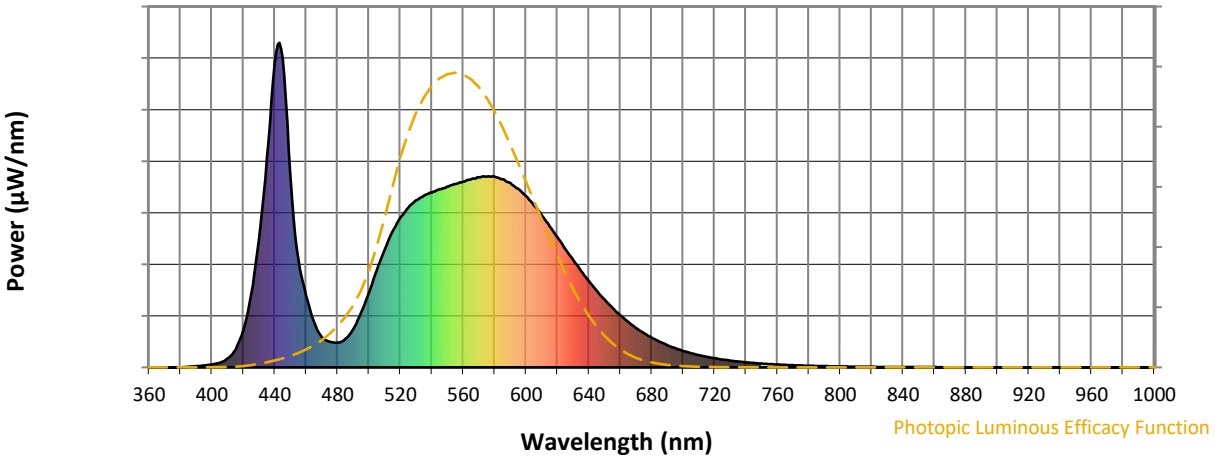


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

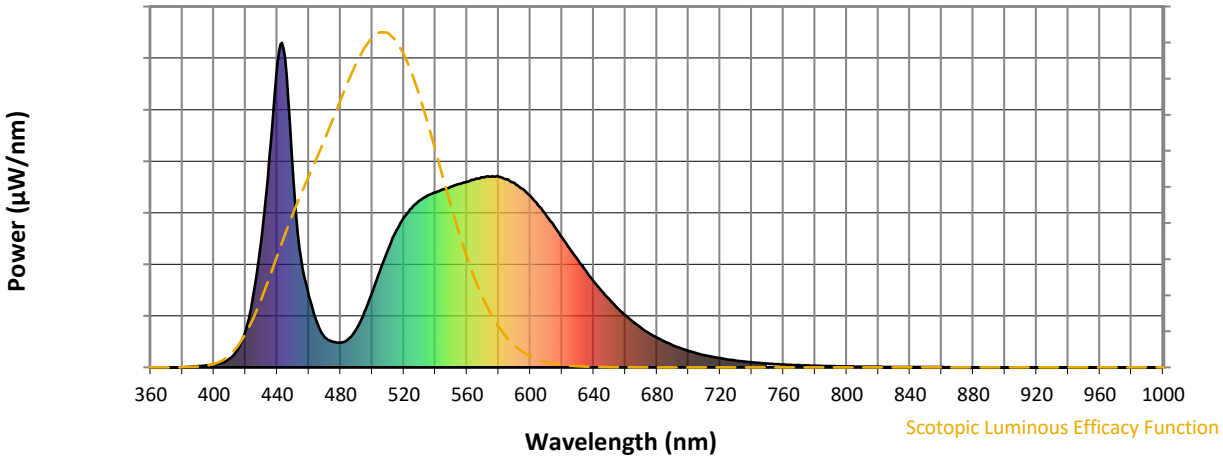


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

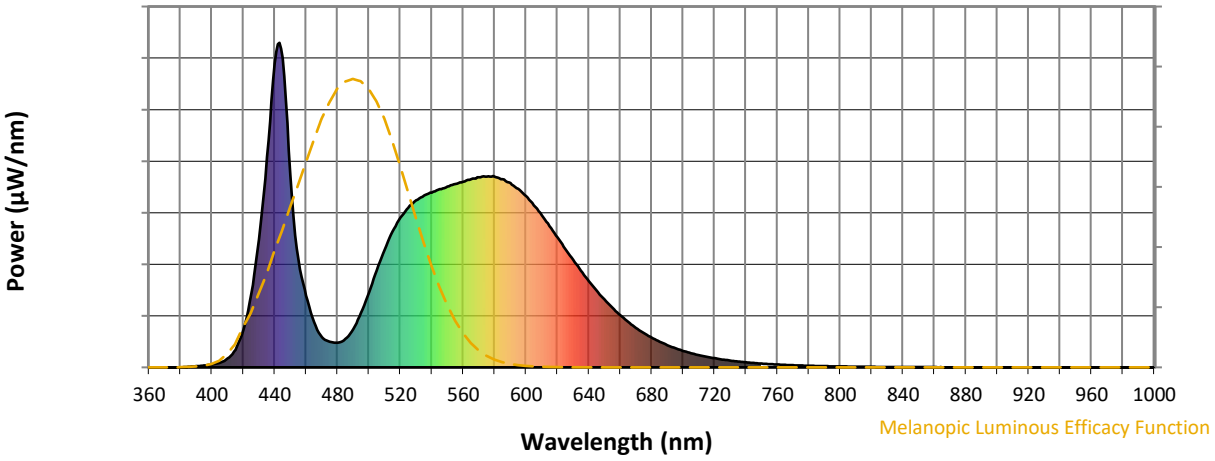


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

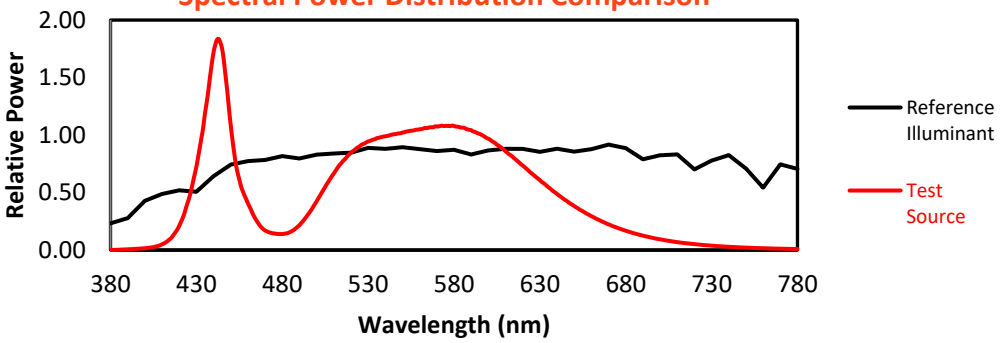
REPORT NUMBER: SP1-2407-184-6

TM-30-18

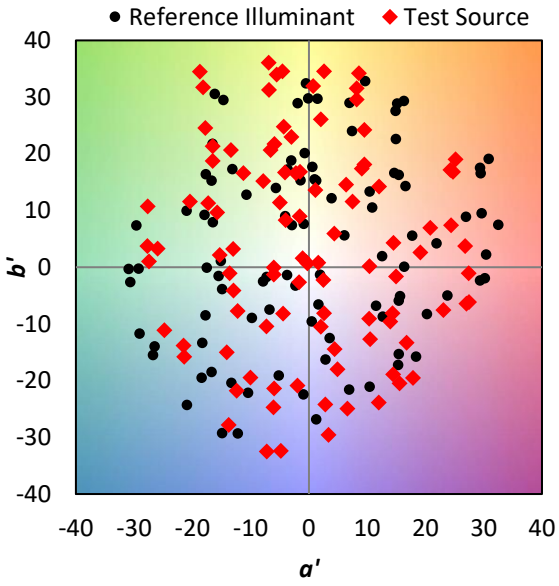
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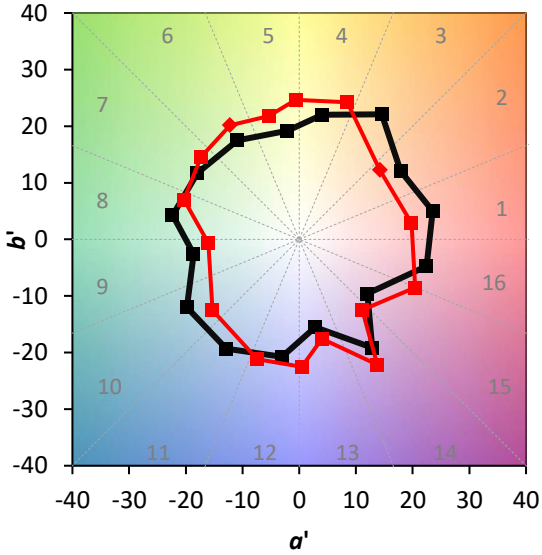
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R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

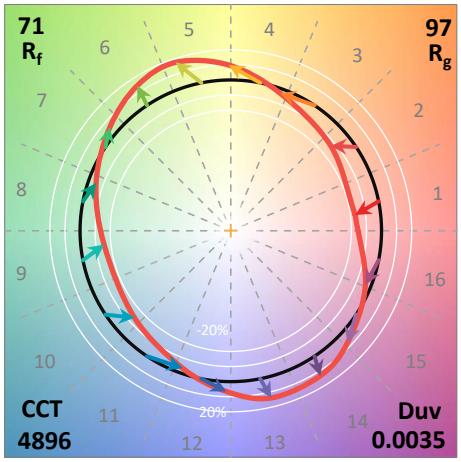
Spectral Power Distribution Comparison

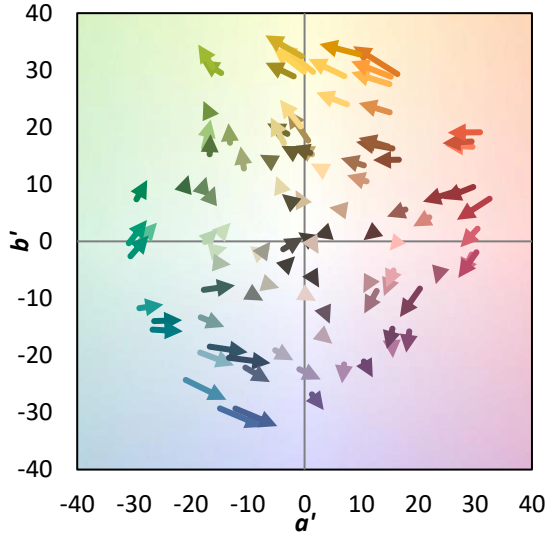


Color Vector Graphics







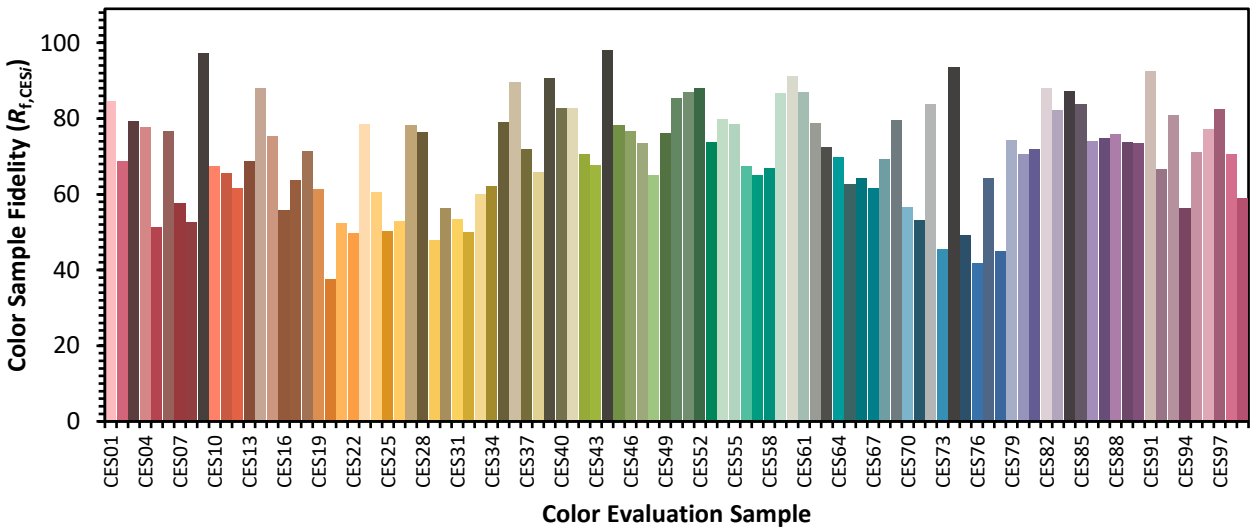


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Individual Sample Fidelity Index ($R_{f,i}$)

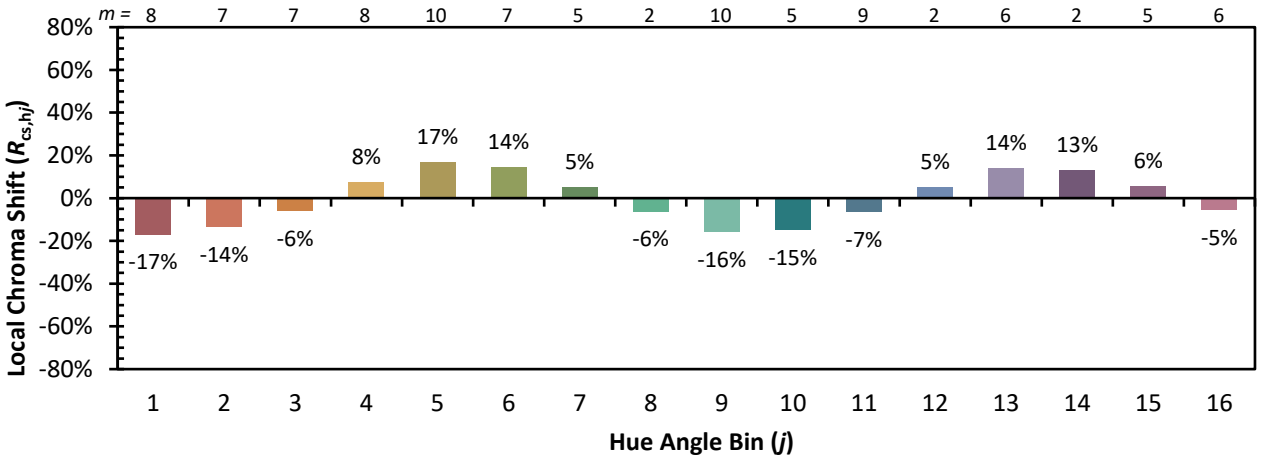
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

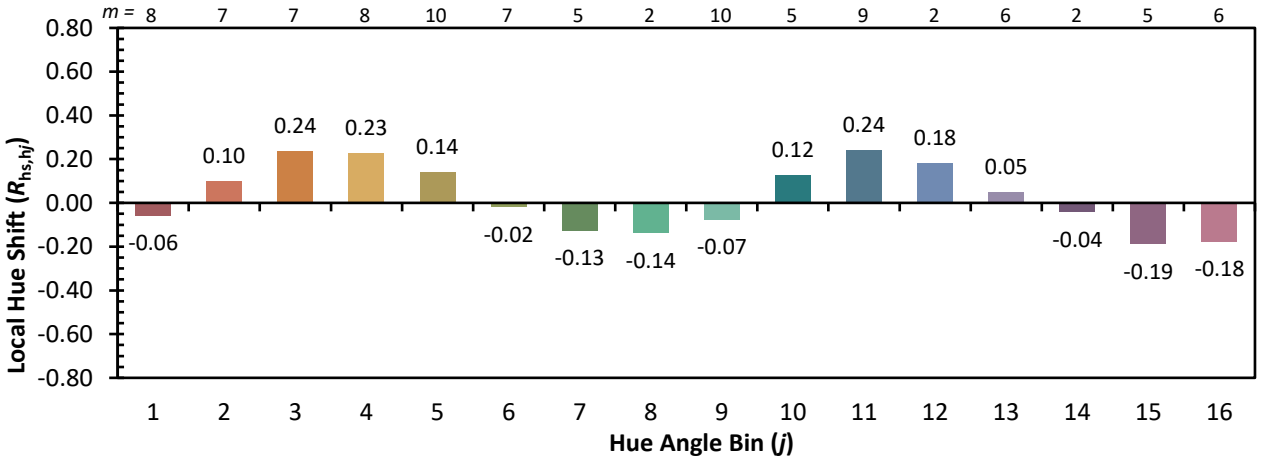


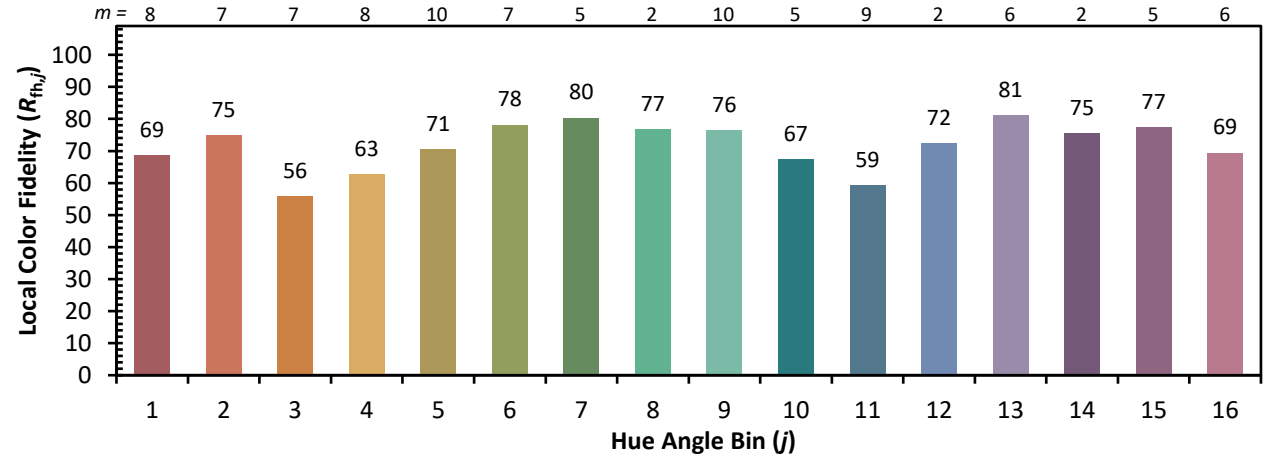
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Color Rendition by Hue-Angle Bin



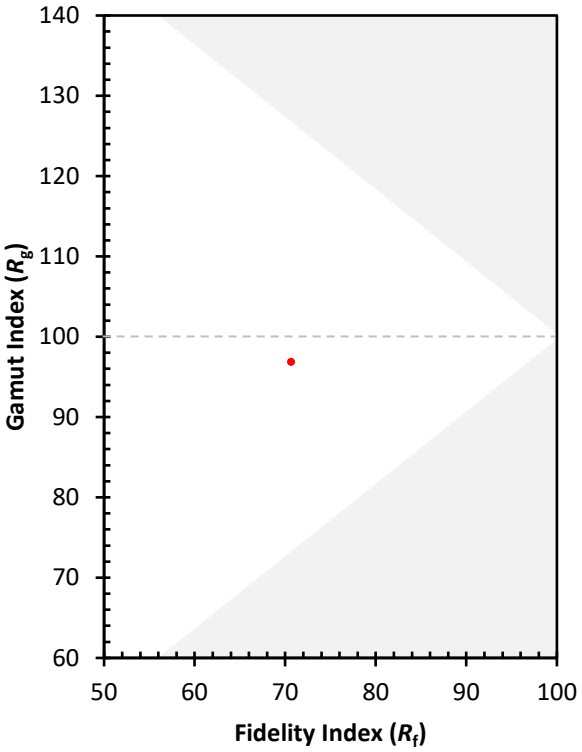


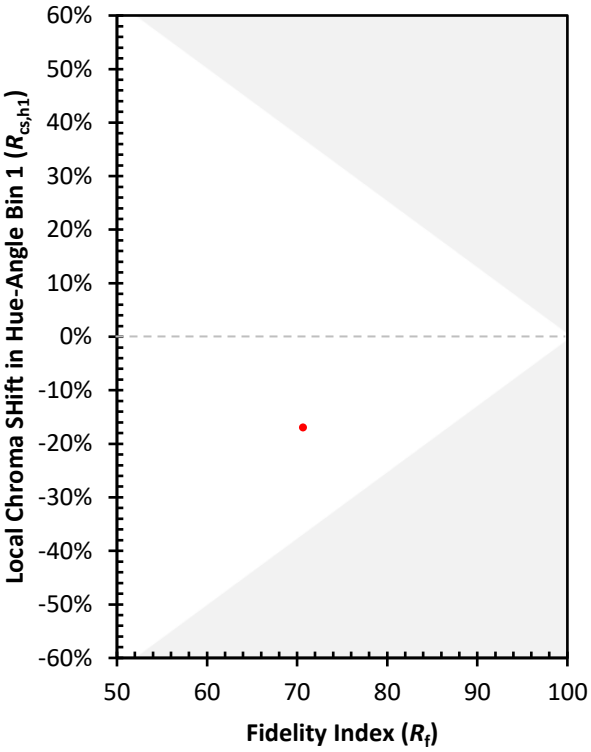


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Measure Comparisons





(END OF REPORT)