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: P1501822

Luminaire Tested: GSS-SB5B-735-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501822
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22227.5 lumens
Efficiency:	N/A
Efficacy:	120.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

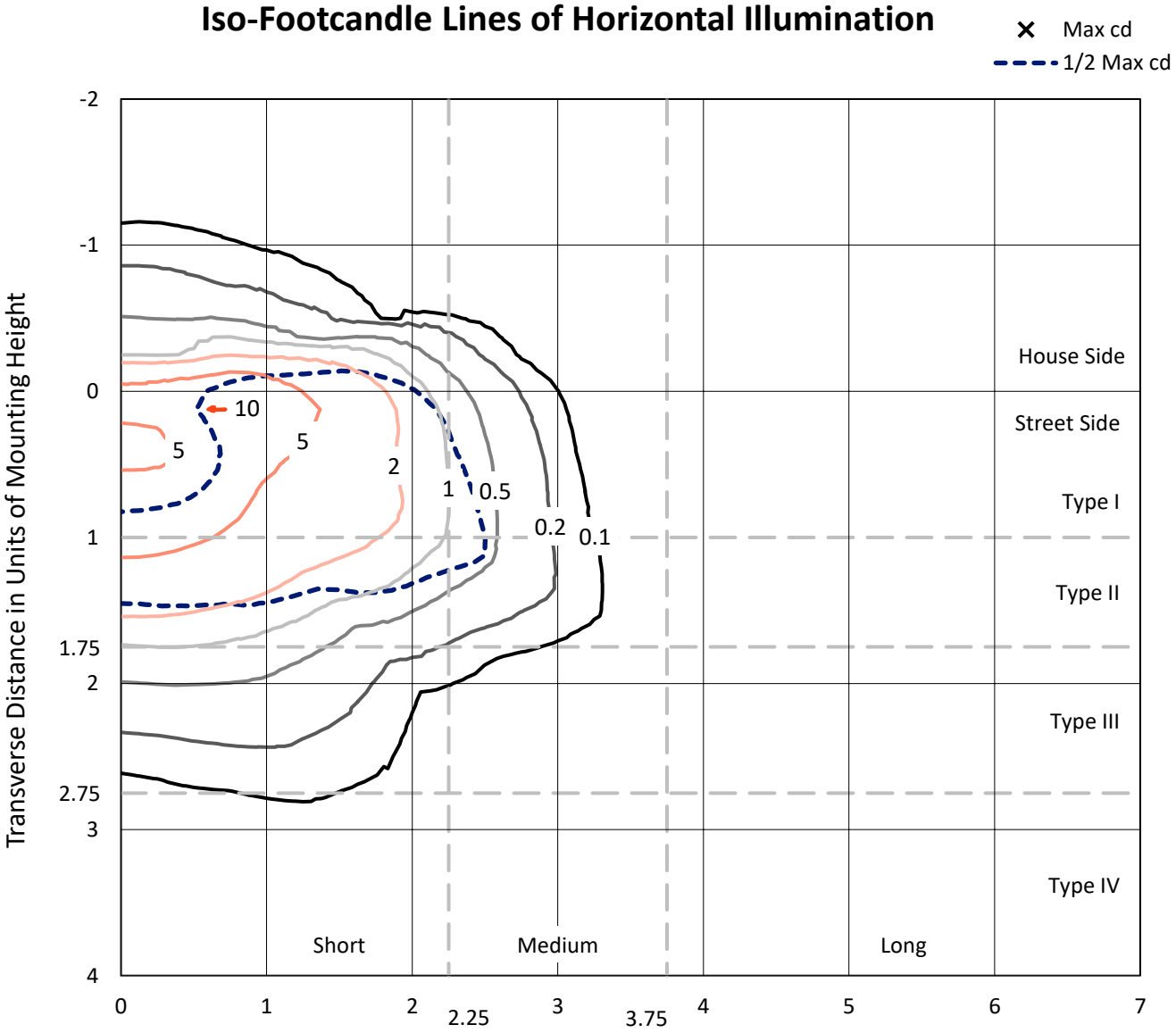
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



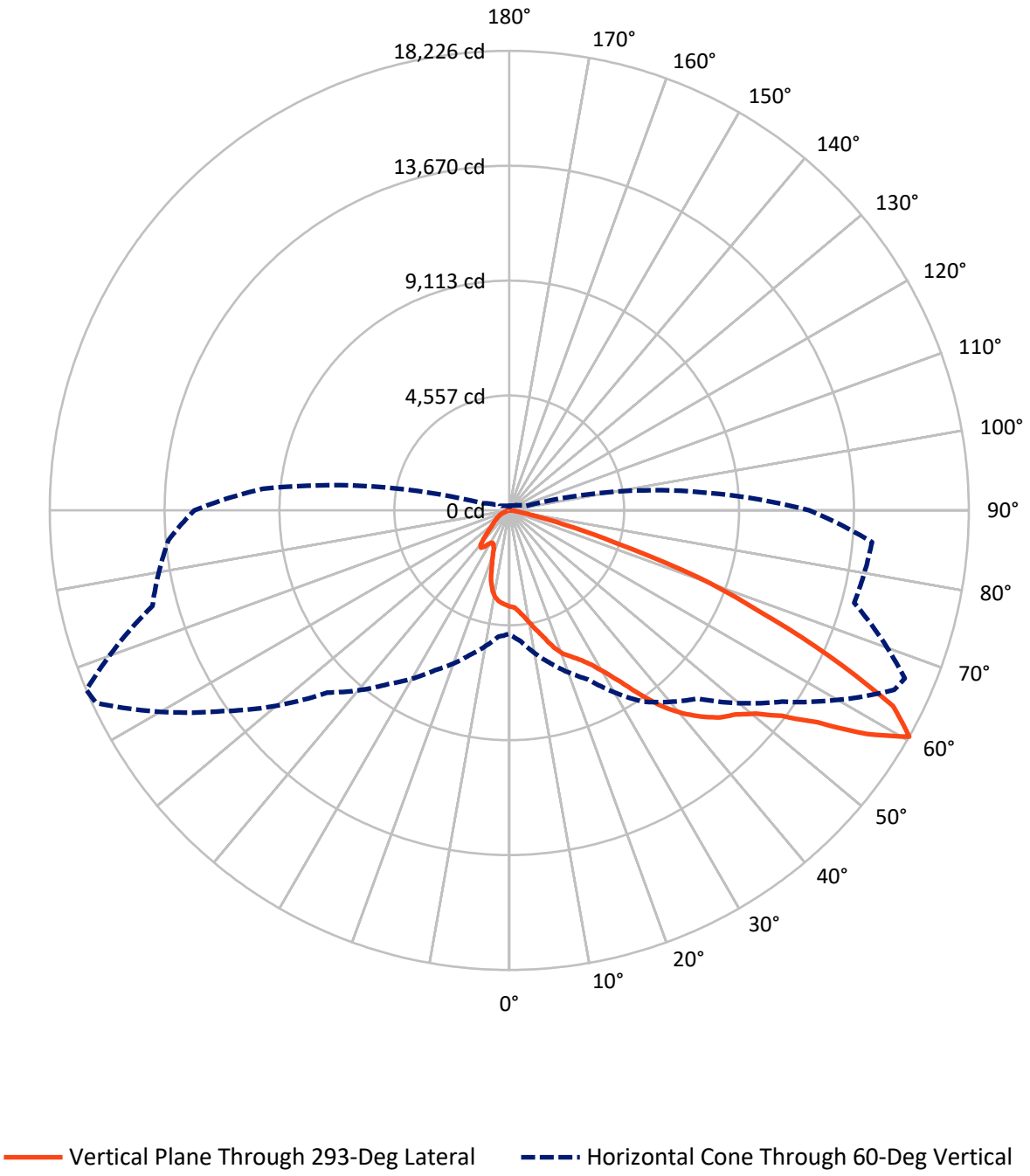
Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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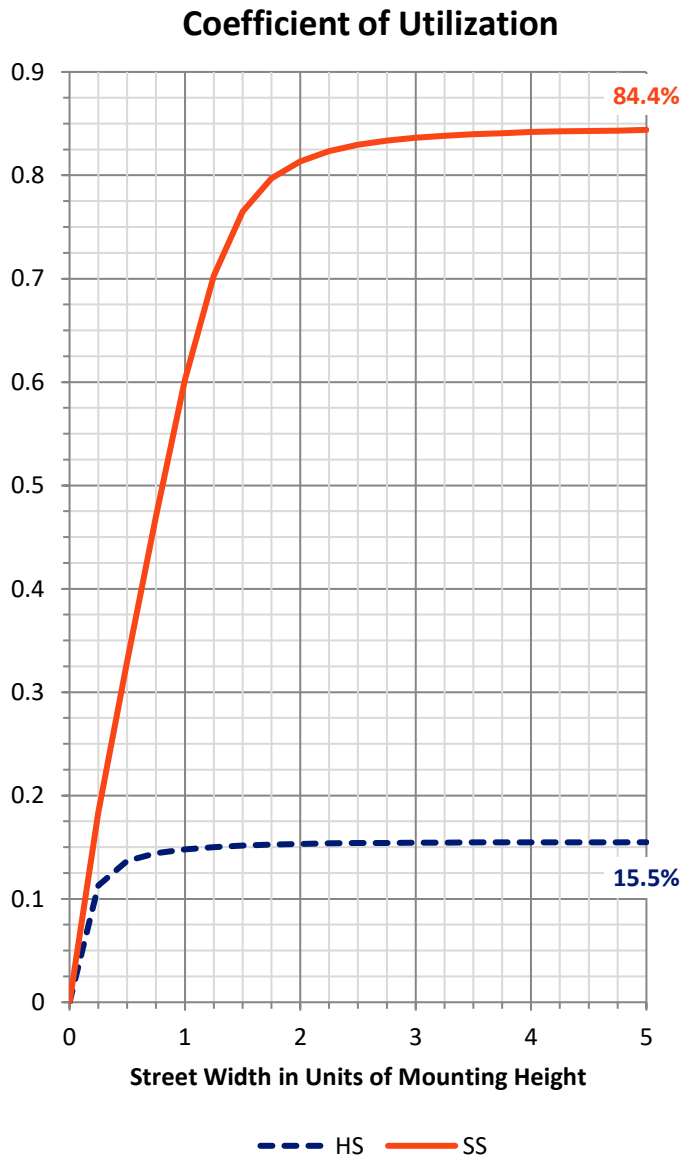
REPORT NUMBER: P1501822
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3468.0	0.0	3468.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	18759.4	0.0	18759.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	22227.5	0.0	22227.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.9	1.6
10°-20°	868.8	3.9
20°-30°	1621.8	7.3
30°-40°	3216.2	14.5
40°-50°	5127.9	23.1
50°-60°	6126.5	27.6
60°-70°	4016.3	18.1
70°-80°	841.4	3.8
80°-90°	63.6	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°	22227.5	100.0
0°-180°	22227.5	100.0



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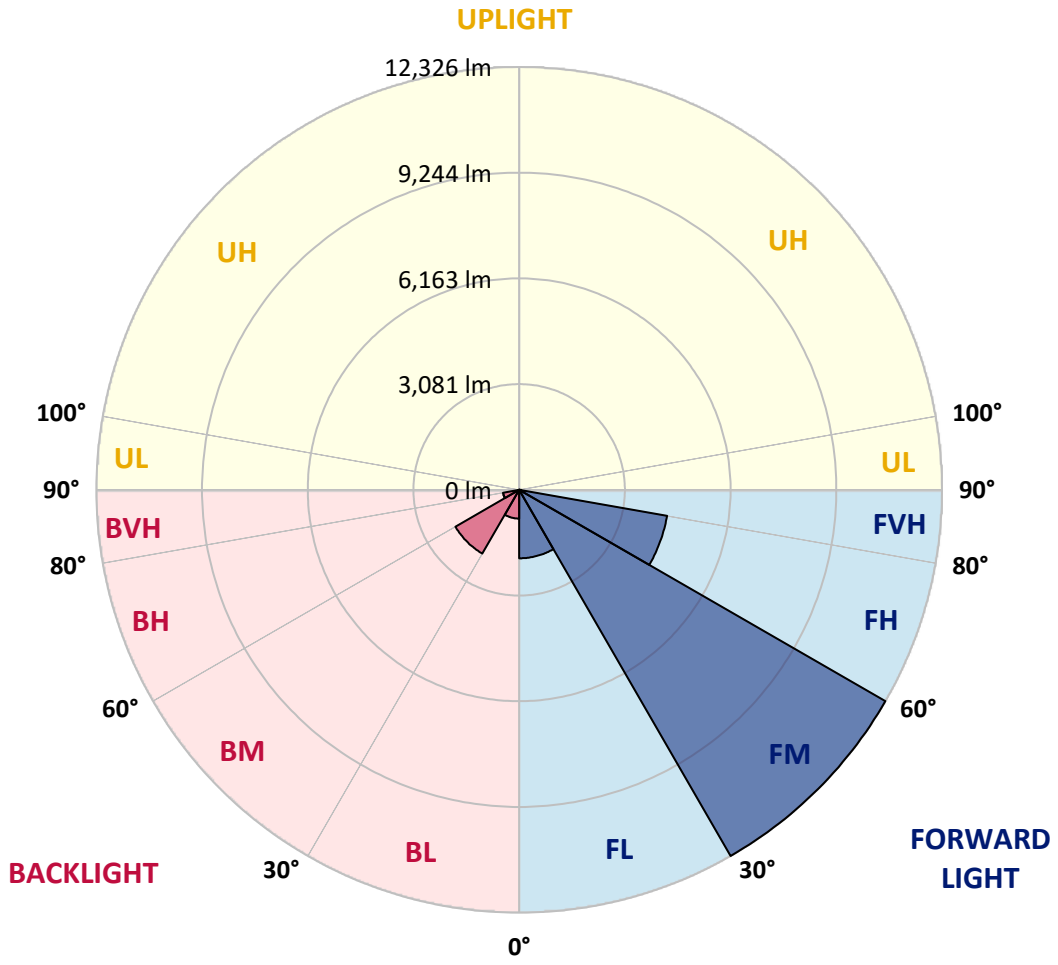
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1996.5	9.0			
FM	(30°-60°)	12326.0	55.5			
FH	(60°-80°)	4378.7	19.7			G2/5000
FVH	(80°-90°)	58.3	0.3			G1/100
BL	(0°-30°)	839.0	3.8	B2/1000		
BM	(30°-60°)	2144.6	9.6	B2/2500		
BH	(60°-80°)	479.0	2.2	B1/500		G1/500
BVH	(80°-90°)	5.3	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°	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6
2.5°	4002.5	3990.1	3971.4	3977.6	3971.4	3946.5	3909.2	3878.0	3902.9	3865.6	3840.7
5°	4120.8	4120.8	4108.4	4108.4	4114.6	4102.1	4077.2	4033.7	4039.9	4008.8	3927.8
7.5°	4120.8	4102.1	4133.3	4164.4	4220.4	4251.5	4264.0	4239.1	4251.5	4189.3	4083.5
10°	3878.0	3865.6	3946.5	4064.8	4226.6	4369.8	4463.2	4469.4	4488.1	4425.8	4301.3
12.5°	3361.4	3336.5	3498.3	3722.4	4052.3	4382.2	4643.7	4743.3	4786.9	4762.0	4587.7
15°	2882.1	2913.2	3025.2	3268.0	3710.0	4214.2	4743.3	5073.2	5135.4	5166.6	4961.1
17.5°	2832.3	2838.5	2875.8	2994.1	3330.3	3940.3	4755.7	5415.6	5502.7	5639.6	5359.5
20°	2969.2	2956.8	2994.1	3031.5	3193.3	3697.5	4637.5	5745.5	5913.5	6206.1	5901.1
22.5°	3224.4	3224.4	3243.1	3268.0	3348.9	3678.8	4587.7	6050.5	6336.8	6934.4	6579.6
25°	3653.9	3604.1	3616.6	3585.5	3653.9	3902.9	4699.7	6293.2	6685.4	7743.6	7388.8
27.5°	4320.0	4338.7	4226.6	4058.6	4095.9	4307.5	4973.6	6567.1	7046.4	8584.0	8210.5
30°	5241.3	5210.1	5141.7	4811.8	4662.4	4849.1	5477.8	7015.3	7532.0	9648.4	9306.0
32.5°	5963.3	6050.5	5932.2	5701.9	5471.6	5527.6	6187.4	7737.4	8123.3	10625.7	10438.9
35°	6834.8	6834.8	6859.7	6536.0	6380.4	6367.9	7077.6	8521.7	8907.7	11509.6	11640.3
37.5°	8011.3	7930.4	7793.4	7432.4	7314.1	7469.7	7911.7	9330.9	9748.0	12225.5	12574.0
40°	9001.0	9057.0	9038.4	8515.5	8285.2	8453.2	8845.4	10021.9	10345.6	12686.1	13327.2
42.5°	9972.1	10003.2	9922.3	9673.3	9337.2	9349.6	9673.3	10544.8	10874.7	13128.1	14036.9
45°	10700.4	10694.2	10638.1	10575.9	10376.7	10171.3	10227.3	11123.7	11410.0	13271.2	14422.8
47.5°	10930.7	10980.5	11030.3	11204.6	11341.5	11017.9	10731.5	11434.9	11696.4	13246.3	14566.0
50°	10719.1	10824.9	11067.7	11329.1	11796.0	11771.1	11154.8	11771.1	12026.3	13383.3	14734.0
52.5°	10246.0	10351.8	10675.5	11148.6	11852.0	12200.6	11939.1	12337.5	12636.3	13731.9	15082.6
55°	9144.2	9187.8	9853.8	10476.3	11571.9	12013.8	12779.5	13296.1	13545.1	14155.1	15543.3
57.5°	7444.8	7550.7	8204.3	9218.9	10787.5	11522.1	13258.8	14933.2	14927.0	14559.8	15642.9
60°	*4898.9*	*5210.1*	*6274.6*	*7395.0*	*9268.7*	*10557.2*	*13227.6*	*16850.5*	*17043.4*	*14161.4*	*14441.5*
62.5°	3741.1	3871.8	4475.6	5409.3	6859.7	8752.0	13022.2	17423.1	17572.5	13090.7	12642.5
65°	2813.6	2975.4	3554.3	4388.5	4842.9	5932.2	11677.7	15144.9	15350.3	11683.9	9828.9
67.5°	1724.3	1855.0	2626.9	3604.1	3666.4	3685.1	7880.6	11472.3	11547.0	9424.3	6616.9
70°	1151.6	1282.3	1817.6	2770.0	2919.4	2122.6	4326.2	8683.6	8677.3	6448.9	4021.2
72.5°	666.1	728.3	1151.6	2041.7	2296.9	1350.8	2160.0	5521.4	5278.6	3031.5	1879.9
75°	379.7	423.3	634.9	1313.4	1612.2	859.0	852.8	2956.8	2614.4	1562.4	1027.1
77.5°	230.3	249.0	348.6	859.0	971.1	578.9	473.1	1375.7	1325.9	915.0	541.6
80°	112.0	130.7	211.6	504.2	622.5	311.2	286.3	541.6	578.9	504.2	286.3
82.5°	37.3	49.8	118.3	193.0	404.6	124.5	118.3	298.8	317.5	298.8	136.9
85°	18.7	24.9	56.0	62.2	155.6	62.2	43.6	130.7	161.8	99.6	56.0
87.5°	0.0	6.2	6.2	6.2	6.2	6.2	6.2	12.4	12.4	12.4	12.4
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°	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6
2.5°	3822.0	3809.6	3784.7	3741.1	3734.9	3703.7	3653.9	3622.8	3597.9	3616.6	3622.8
5°	3890.5	3859.4	3784.7	3666.4	3541.9	3417.4	3299.1	3162.2	3068.8	3056.4	3031.5
7.5°	4015.0	3952.7	3790.9	3560.6	3243.1	2944.3	2595.7	2259.6	2091.5	2066.6	2010.6
10°	4214.2	4108.4	3840.7	3373.8	2763.8	2141.3	1612.2	1251.2	1045.8	1008.4	1020.9
12.5°	4450.7	4301.3	3846.9	3056.4	2104.0	1325.9	915.0	778.1	734.5	715.8	715.8
15°	4755.7	4537.9	3840.7	2645.5	1419.2	852.8	734.5	678.5	659.8	647.4	647.4
17.5°	5141.7	4855.3	3797.1	2029.3	958.6	740.7	672.3	628.7	603.8	597.6	597.6
20°	5596.1	5210.1	3697.5	1512.6	803.0	691.0	634.9	578.9	560.2	547.8	547.8
22.5°	6175.0	5639.6	3504.5	1176.5	759.4	659.8	597.6	535.3	516.7	504.2	504.2
25°	6847.3	6187.4	3249.3	1058.2	753.2	634.9	560.2	498.0	479.3	473.1	466.9
27.5°	7644.0	6772.6	3012.8	1064.4	765.6	616.3	522.9	466.9	448.2	429.5	435.7
30°	8584.0	7376.4	2819.8	1139.1	778.1	597.6	498.0	448.2	429.5	404.6	404.6
32.5°	9511.5	8086.0	2801.1	1276.1	821.7	585.1	473.1	423.3	404.6	385.9	385.9
35°	10463.8	8733.4	2907.0	1456.6	908.8	566.5	442.0	398.4	379.7	367.3	361.0
37.5°	11372.7	9250.0	3006.6	1568.6	859.0	485.5	404.6	367.3	348.6	323.7	323.7
40°	11976.5	9530.1	3025.2	1481.5	709.6	435.7	367.3	329.9	305.0	292.6	286.3
42.5°	12418.4	9710.7	2813.6	1201.4	616.3	398.4	336.1	298.8	280.1	267.7	267.7
45°	12598.9	9648.4	2452.6	915.0	566.5	367.3	305.0	273.9	261.4	249.0	249.0
47.5°	12574.0	9362.1	2085.3	734.5	516.7	336.1	286.3	261.4	249.0	236.5	230.3
50°	12530.5	9094.4	1711.8	653.6	460.6	317.5	267.7	249.0	230.3	217.9	211.6
52.5°	12816.8	9007.3	1419.2	597.6	429.5	305.0	261.4	236.5	217.9	205.4	205.4
55°	13103.2	9044.6	1114.2	560.2	398.4	298.8	255.2	230.3	211.6	193.0	193.0
57.5°	13084.5	8882.8	846.6	522.9	373.5	292.6	249.0	224.1	193.0	180.5	180.5
60°	*11895.5*	*7924.1*	*659.8*	*479.3*	*342.4*	*273.9*	*230.3*	*211.6*	*180.5*	*161.8*	*161.8*
62.5°	10059.2	6231.0	541.6	423.3	305.0	249.0	211.6	193.0	161.8	130.7	130.7
65°	7432.4	4494.3	435.7	367.3	280.1	217.9	193.0	168.1	130.7	105.8	99.6
67.5°	5029.6	2763.8	348.6	305.0	249.0	186.7	161.8	143.2	118.3	87.1	80.9
70°	2981.7	1469.0	255.2	211.6	186.7	136.9	136.9	124.5	99.6	74.7	68.5
72.5°	1419.2	510.4	186.7	155.6	143.2	99.6	105.8	105.8	80.9	56.0	49.8
75°	722.1	249.0	124.5	112.0	93.4	74.7	87.1	80.9	56.0	37.3	37.3
77.5°	410.8	174.3	87.1	74.7	62.2	49.8	56.0	49.8	31.1	18.7	18.7
80°	230.3	124.5	56.0	49.8	37.3	31.1	31.1	24.9	18.7	6.2	6.2
82.5°	87.1	74.7	37.3	24.9	18.7	18.7	12.4	12.4	6.2	0.0	0.0
85°	37.3	18.7	18.7	12.4	12.4	6.2	6.2	6.2	0.0	0.0	0.0
87.5°	6.2	6.2	6.2	6.2	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°	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6
2.5°	3573.0	3585.5	3597.9	3647.7	3660.2	3697.5	3728.6	3766.0	3772.2	3822.0	3822.0
5°	3081.3	3075.0	3180.9	3336.5	3436.1	3573.0	3678.8	3790.9	3853.1	3934.1	3971.4
7.5°	2041.7	2197.3	2433.9	2707.8	3062.6	3392.5	3641.5	3859.4	4008.8	4102.1	4139.5
10°	1014.6	1101.8	1350.8	1799.0	2402.8	3075.0	3604.1	4008.8	4251.5	4357.3	4425.8
12.5°	715.8	734.5	778.1	1020.9	1599.8	2552.2	3485.9	4170.6	4506.7	4705.9	4793.1
15°	641.2	653.6	672.3	740.7	989.7	1904.8	3274.2	4351.1	4905.1	5135.4	5247.5
17.5°	591.4	597.6	616.3	672.3	778.1	1294.8	2931.9	4544.1	5384.4	5664.5	5876.2
20°	547.8	547.8	566.5	634.9	722.1	996.0	2440.1	4762.0	5994.5	6399.1	6610.7
22.5°	498.0	510.4	522.9	597.6	703.4	908.8	1979.5	4930.0	6673.0	7164.7	7413.7
25°	460.6	473.1	485.5	560.2	684.7	908.8	1711.8	5035.8	7432.4	8017.5	8359.9
27.5°	429.5	442.0	460.6	535.3	666.1	946.2	1606.0	5067.0	8260.3	9019.7	9480.3
30°	404.6	417.1	435.7	516.7	678.5	989.7	1643.3	5023.4	9100.6	10053.0	10600.8
32.5°	379.7	392.2	410.8	498.0	678.5	1045.8	1767.8	4936.2	9916.1	11086.3	11758.6
35°	361.0	367.3	373.5	448.2	616.3	1039.5	1923.5	4849.1	10737.7	12107.2	12891.5
37.5°	323.7	329.9	342.4	385.9	491.8	946.2	1954.6	4743.3	11385.1	12966.2	13831.5
40°	286.3	298.8	311.2	354.8	410.8	765.6	1817.6	4519.2	11727.5	13626.0	14678.0
42.5°	261.4	267.7	280.1	323.7	379.7	610.0	1525.1	4127.0	12032.5	14074.2	15294.3
45°	242.8	249.0	261.4	292.6	354.8	529.1	1201.4	3647.7	12057.4	14217.4	15593.1
47.5°	224.1	230.3	236.5	267.7	342.4	473.1	921.3	3212.0	12051.2	14404.1	15848.3
50°	211.6	217.9	230.3	255.2	323.7	423.3	759.4	2857.2	12312.6	14808.7	16364.9
52.5°	205.4	205.4	224.1	249.0	305.0	385.9	634.9	2539.7	12449.6	15207.1	16738.4
55°	193.0	199.2	211.6	236.5	286.3	367.3	541.6	2141.3	12511.8	15406.3	16806.9
57.5°	180.5	186.7	205.4	224.1	273.9	348.6	466.9	1599.8	11621.7	14366.8	15661.5
60°	*161.8*	*174.3*	*199.2*	*217.9*	*255.2*	*317.5*	*410.8*	*1083.1*	*9804.0*	*12486.9*	*13570.0*
62.5°	130.7	155.6	180.5	193.0	230.3	267.7	348.6	722.1	7830.8	10333.1	11565.6
65°	99.6	130.7	149.4	168.1	193.0	224.1	292.6	491.8	5222.6	6953.1	8341.2
67.5°	87.1	112.0	124.5	136.9	161.8	193.0	236.5	342.4	3168.4	4176.8	5546.3
70°	68.5	93.4	105.8	99.6	124.5	149.4	168.1	230.3	1618.4	2265.8	3156.0
72.5°	49.8	74.7	80.9	80.9	74.7	105.8	124.5	161.8	703.4	1101.8	1431.7
75°	37.3	49.8	56.0	49.8	43.6	68.5	87.1	105.8	460.6	659.8	834.1
77.5°	18.7	18.7	31.1	31.1	18.7	37.3	43.6	62.2	261.4	385.9	479.3
80°	6.2	0.0	0.0	6.2	0.0	12.4	18.7	31.1	136.9	205.4	298.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	68.5	62.2	155.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	37.3
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: P1501822
CATALOG NUMBER: GSS-SB5B-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3809.6	*3809.6*	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6	3809.6
2.5°	3853.1	*3853.1*	3878.0	3915.4	3934.1	3946.5	3952.7	3965.2	4015.0	4002.5
5°	4015.0	*4027.4*	4046.1	4083.5	4127.0	4114.6	4114.6	4114.6	4145.7	4120.8
7.5°	4226.6	*4264.0*	4270.2	4313.8	4282.6	4220.4	4183.0	4127.0	4120.8	4120.8
10°	4569.0	*4556.5*	4556.5	4500.5	4388.5	4207.9	4046.1	3934.1	3871.8	3878.0
12.5°	4936.2	*4886.4*	4892.7	4687.3	4369.8	3971.4	3641.5	3398.7	3380.1	3361.4
15°	5390.7	*5259.9*	5235.0	4762.0	4089.7	3479.6	3156.0	2963.0	2900.7	2882.1
17.5°	6038.0	*5708.1*	5589.8	4631.2	3722.4	3174.6	2931.9	2844.7	2838.5	2832.3
20°	6722.8	*6069.2*	5845.1	4438.3	3597.9	3180.9	3000.3	2975.4	2963.0	2969.2
22.5°	7519.5	*6299.5*	6013.1	4469.4	3710.0	3386.3	3243.1	3224.4	3212.0	3224.4
25°	8341.2	*6567.1*	6212.3	4718.4	4046.1	3766.0	3597.9	3560.6	3597.9	3653.9
27.5°	9169.1	*6928.2*	6604.5	5210.1	4587.7	4282.6	4120.8	4257.7	4313.8	4320.0
30°	9903.6	*7432.4*	7133.6	5901.1	5203.9	4898.9	4930.0	5104.3	5172.8	5241.3
32.5°	10575.9	*8104.7*	7874.3	6685.4	6000.7	5820.2	5801.5	5932.2	6006.9	5963.3
35°	11254.4	*8982.4*	8758.3	7538.2	6978.0	6828.6	6673.0	6928.2	6903.3	6834.8
37.5°	11895.5	*9866.3*	9660.9	8453.2	7874.3	7612.9	7588.0	7818.3	8023.7	8011.3
40°	12356.2	*10582.1*	10333.1	9362.1	8814.3	8590.2	8720.9	9119.3	9069.5	9001.0
42.5°	12779.5	*11192.1*	10968.1	10158.8	9586.2	9685.8	9804.0	10071.7	10040.6	9972.1
45°	12978.7	*11715.0*	11522.1	10762.6	10482.5	10800.0	10793.8	10893.4	10725.3	10700.4
47.5°	13258.8	*12088.5*	11889.3	11304.2	11553.2	11683.9	11316.6	11210.8	11055.2	10930.7
50°	13775.4	*12667.4*	12468.2	12125.9	12337.5	11932.9	11484.7	11254.4	10936.9	10719.1
52.5°	14379.2	*13545.1*	13370.8	13233.9	12642.5	11808.4	11235.7	10818.7	10432.7	10246.0
55°	15138.7	*14839.9*	14715.4	13962.2	12368.6	11298.0	10625.7	9847.6	9318.5	9144.2
57.5°	15387.6	*16738.4*	16694.8	14080.4	11603.0	10370.5	9156.6	8104.7	7556.9	7444.8
60°	*14653.1*	*18226.1*	*18070.5*	*13881.3*	*10214.9*	*8415.9*	*6996.6*	*5919.8*	*5029.6*	*4898.9*
62.5°	13713.2	*17087.0*	17031.0	12879.1	7781.0	6031.8	5228.8	4220.4	3840.7	3741.1
65°	11746.2	*13980.8*	14005.7	10333.1	4923.8	4332.4	4295.1	3355.2	2888.3	2813.6
67.5°	9044.6	*10725.3*	10551.0	6498.7	2869.6	3467.2	3429.9	2452.6	1774.1	1724.3
70°	5284.8	*7986.4*	7706.3	3380.1	1898.6	2894.5	2639.3	1724.3	1207.6	1151.6
72.5°	2334.3	*4394.7*	4718.4	1487.7	1338.3	2303.2	1904.8	1058.2	678.5	666.1
75°	1294.8	*2178.7*	2278.3	647.4	939.9	1637.1	1151.6	591.4	385.9	379.7
77.5°	778.1	*964.8*	939.9	417.1	703.4	1045.8	697.2	336.1	242.8	230.3
80°	435.7	*442.0*	373.5	305.0	417.1	585.1	392.2	211.6	112.0	112.0
82.5°	267.7	*242.8*	193.0	93.4	112.0	354.8	143.2	118.3	37.3	37.3
85°	112.0	*74.7*	49.8	18.7	43.6	93.4	49.8	56.0	18.7	18.7
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

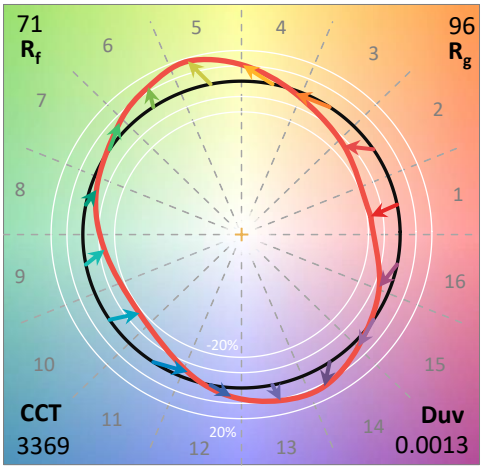
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

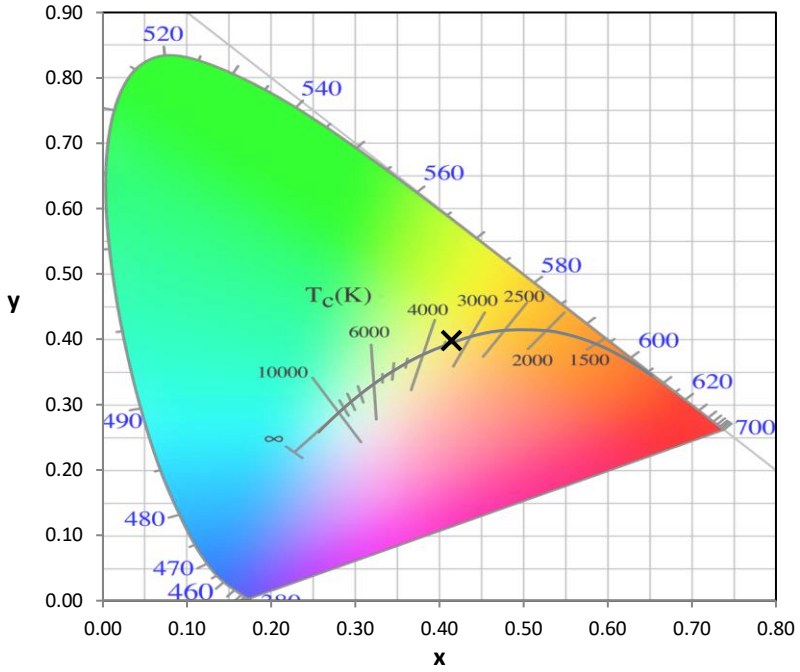
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

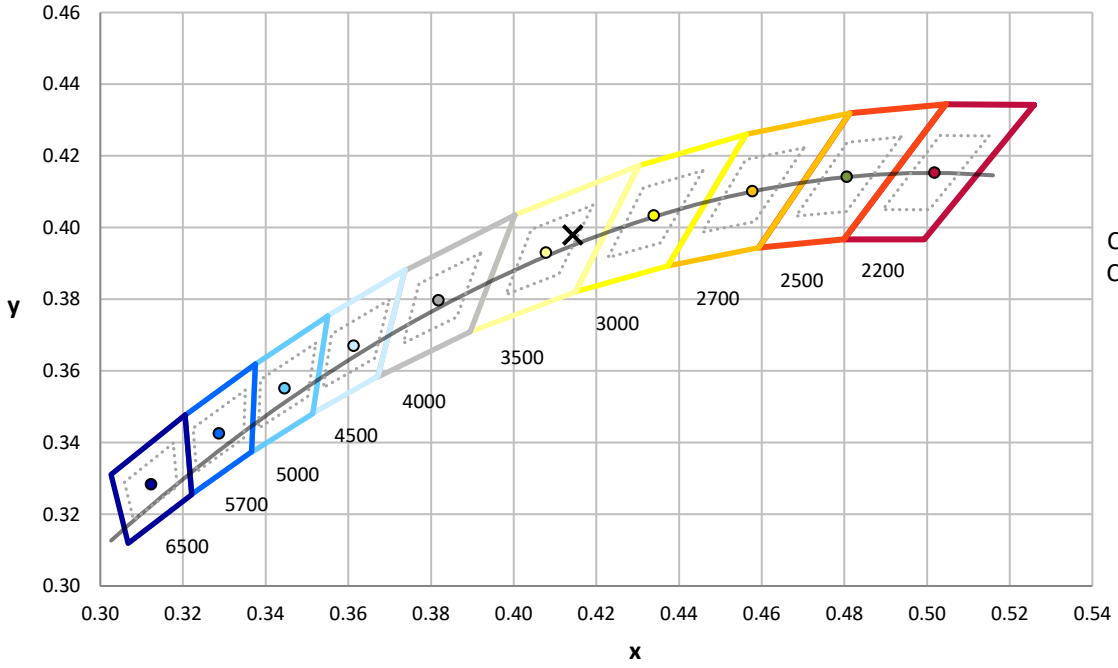
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

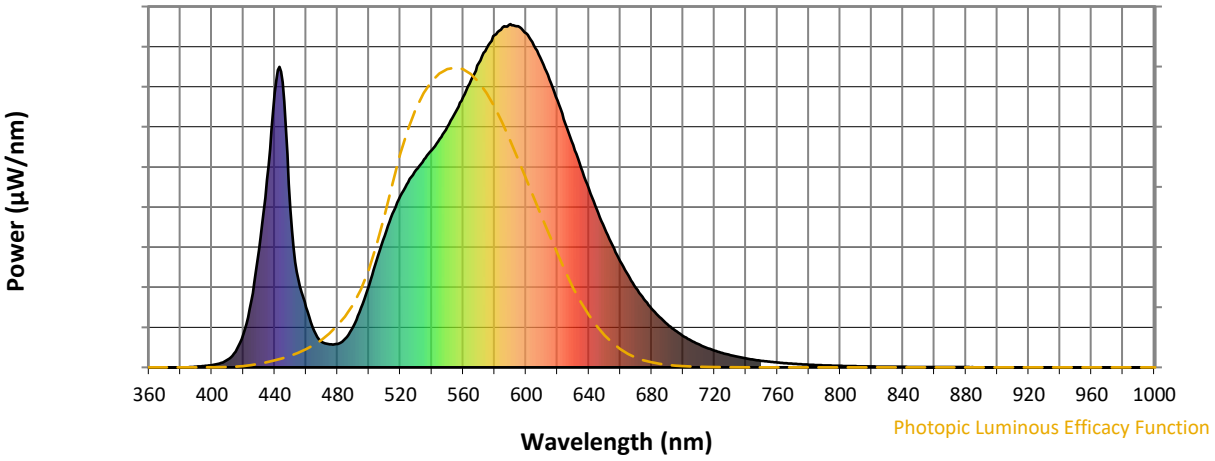


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

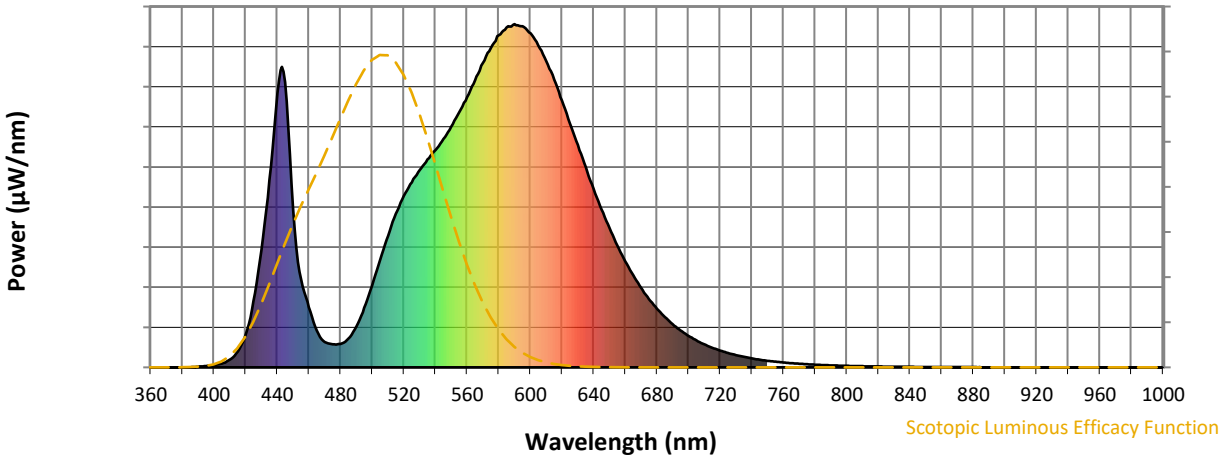


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

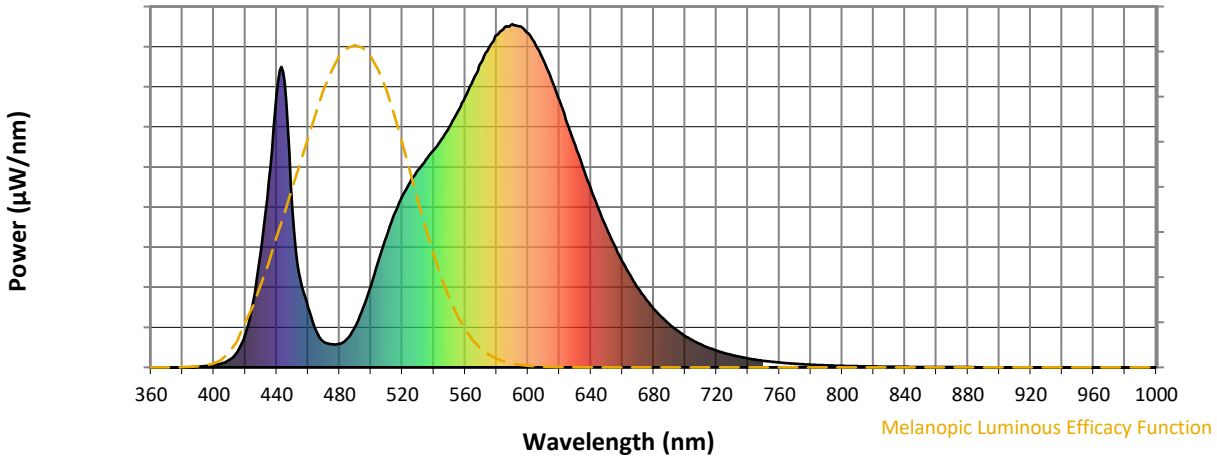


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

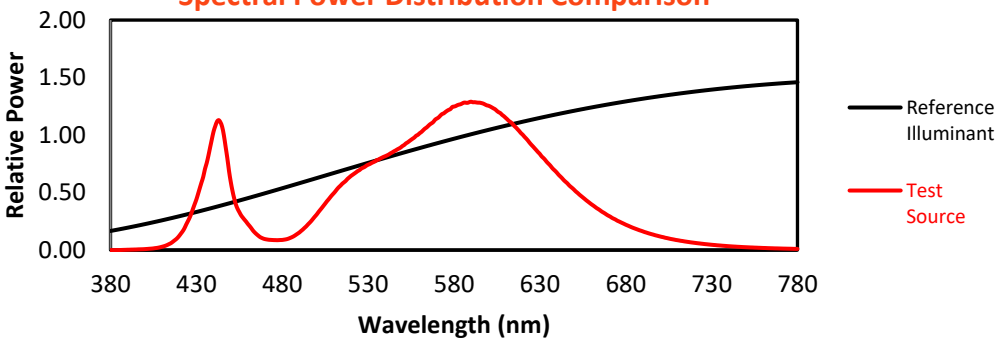
REPORT NUMBER: SP1-2407-184-5

TM-30-18

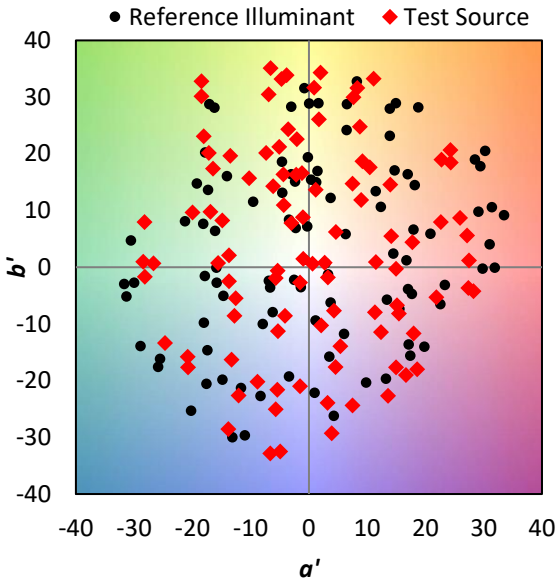
Summary

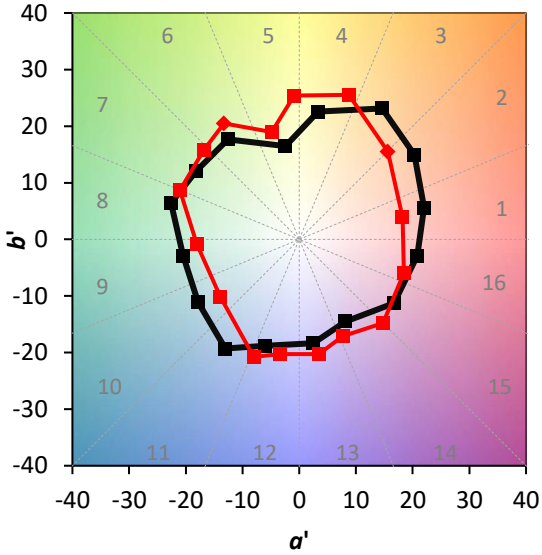
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

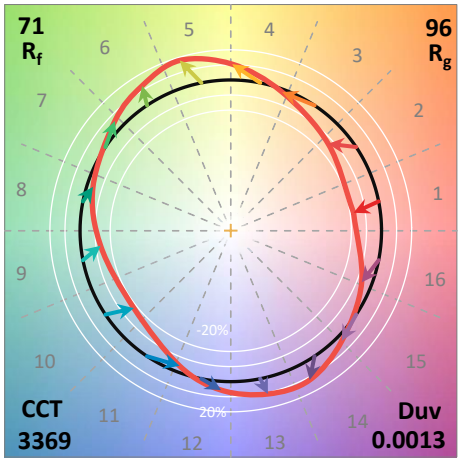
Spectral Power Distribution Comparison

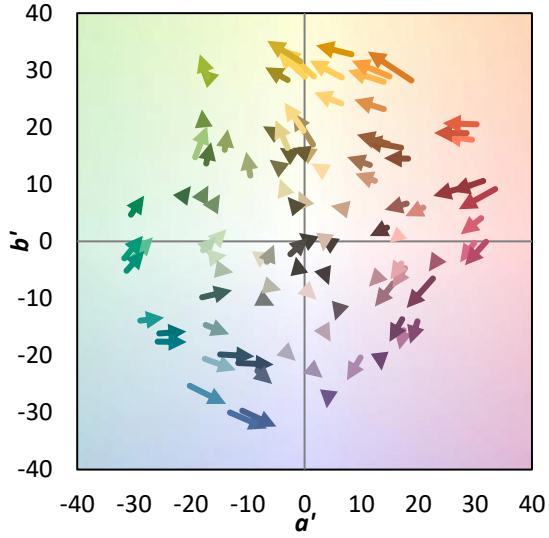


Color Vector Graphics







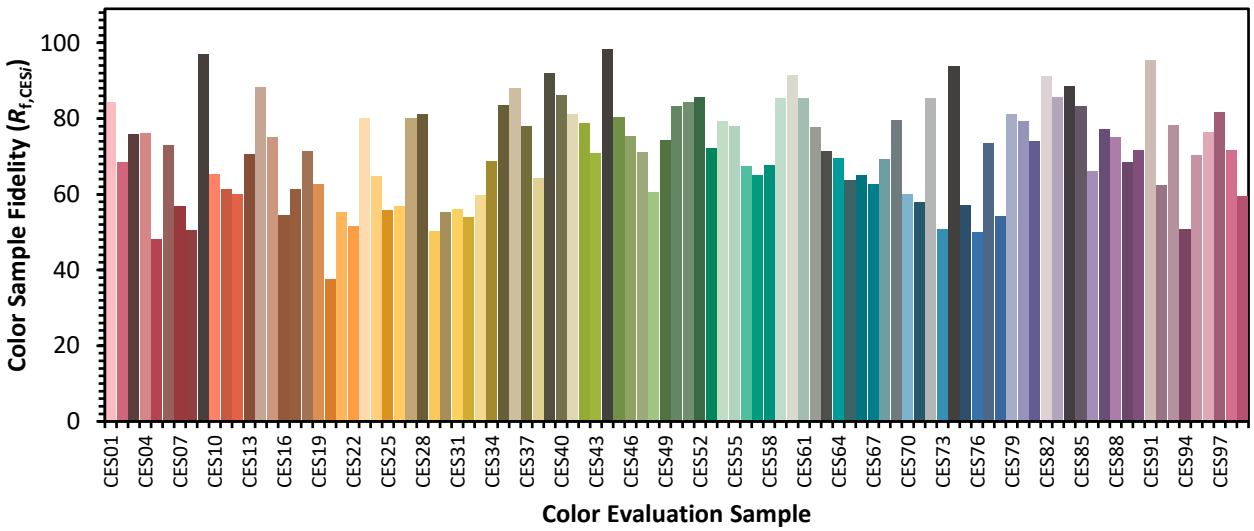


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Individual Sample Fidelity Index ($R_{f,i}$)

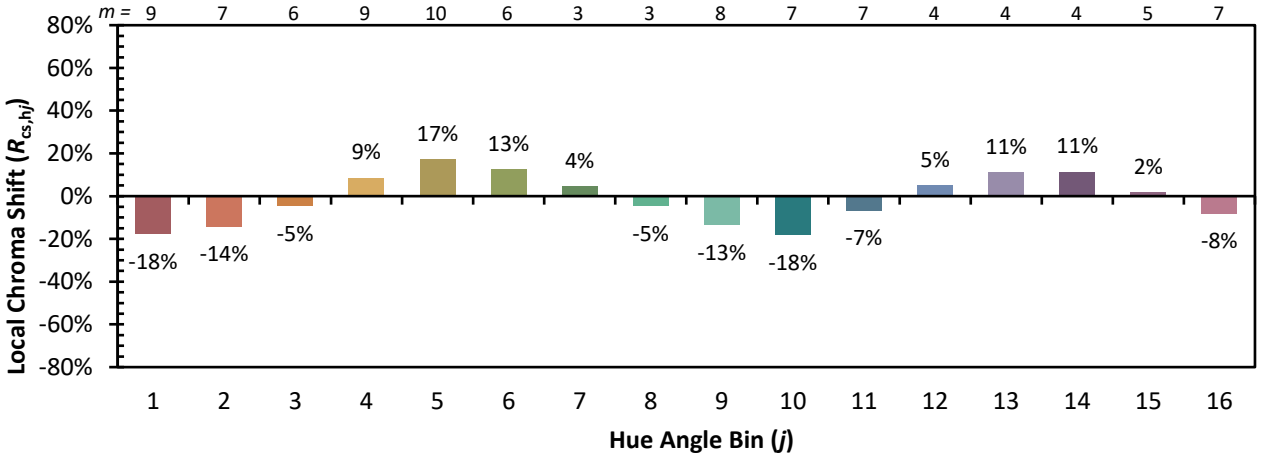
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

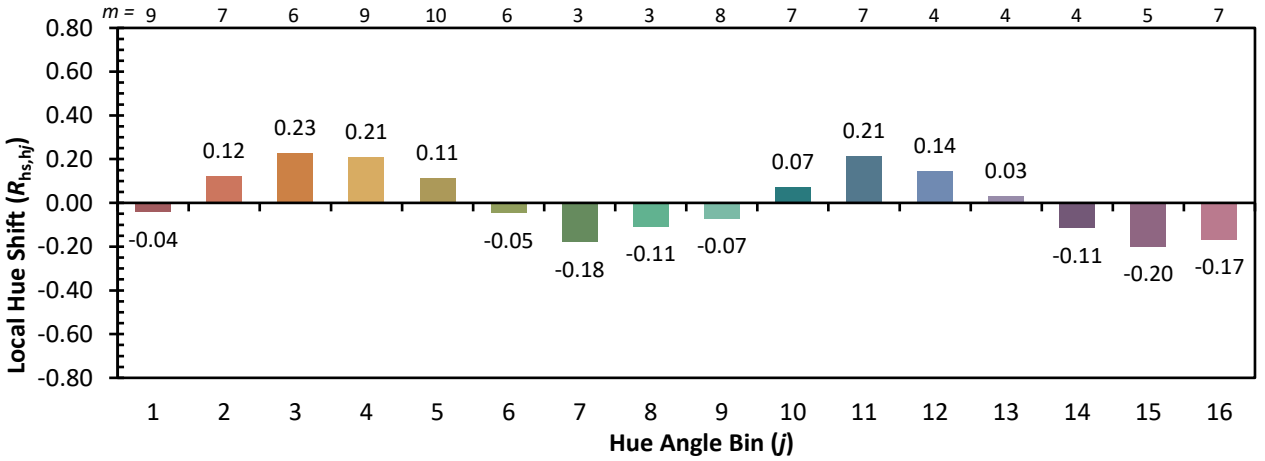


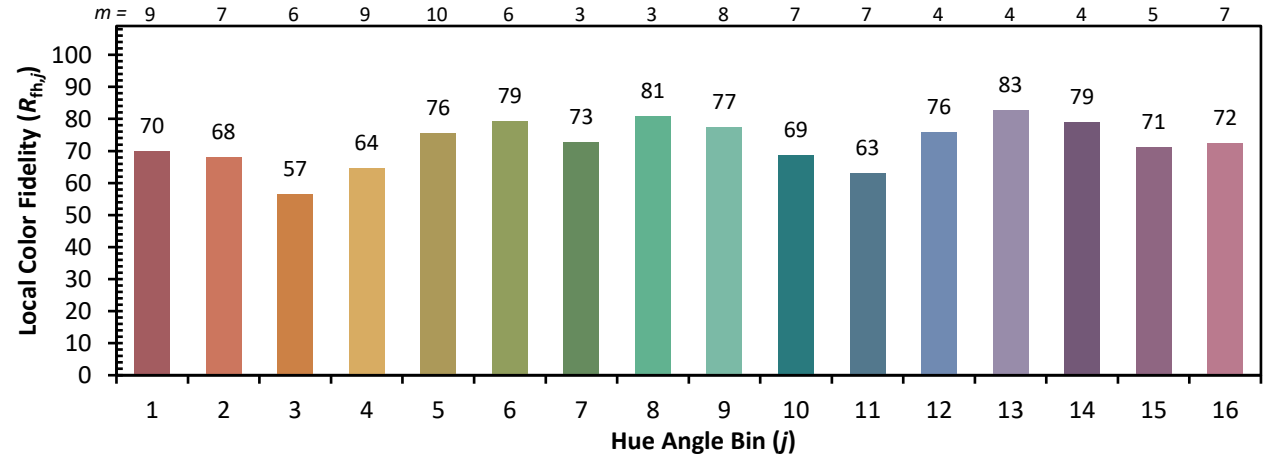
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Color Rendition by Hue-Angle Bin



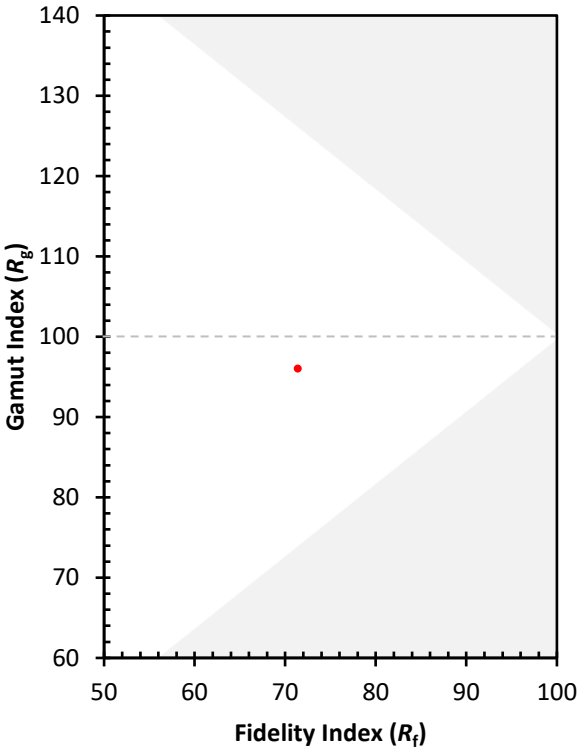


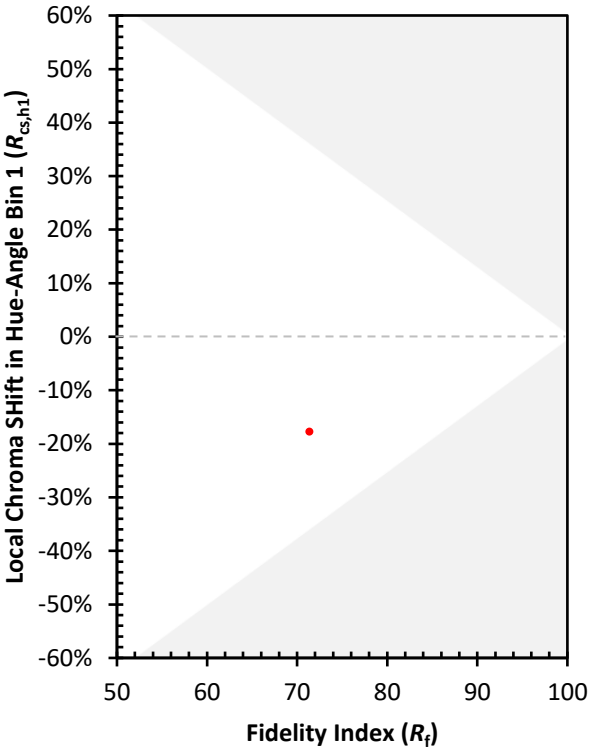


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Measure Comparisons





(END OF REPORT)