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: P1501729

Luminaire Tested: GSS-SB6A-740-U-T2LG-HSS

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:	P1501729
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-740-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22415.3 lumens
Efficiency:	N/A
Efficacy:	131.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

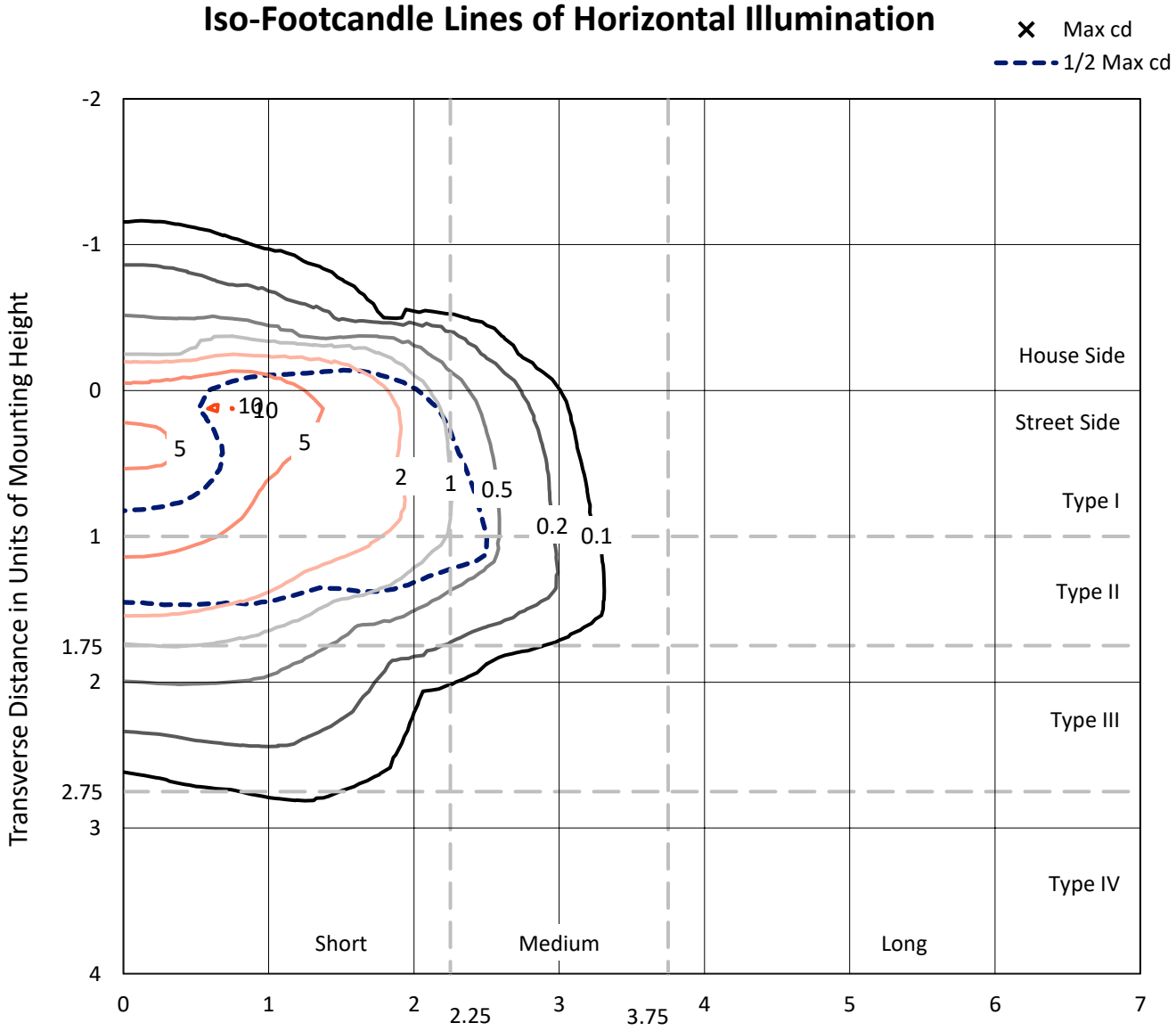
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



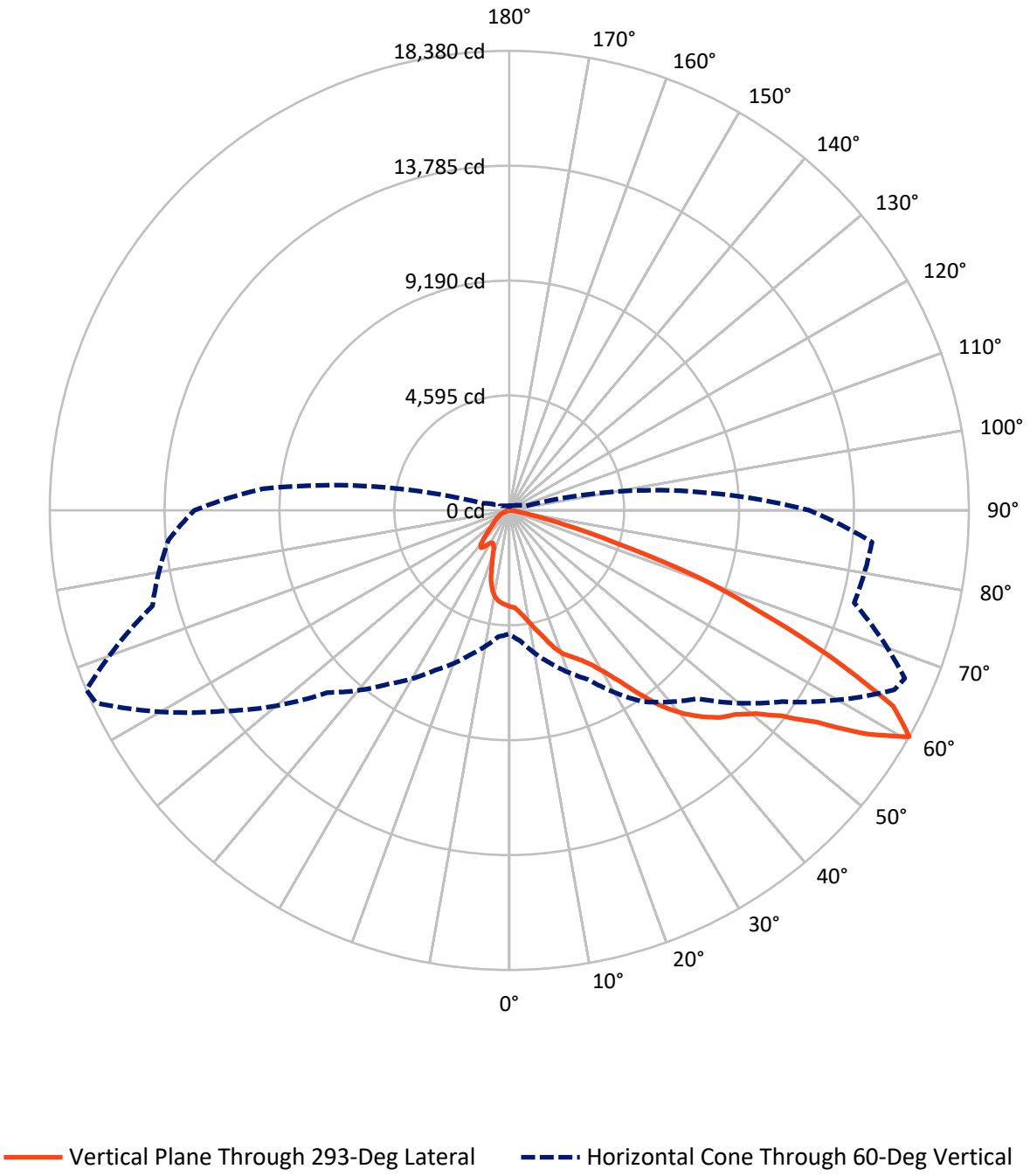
Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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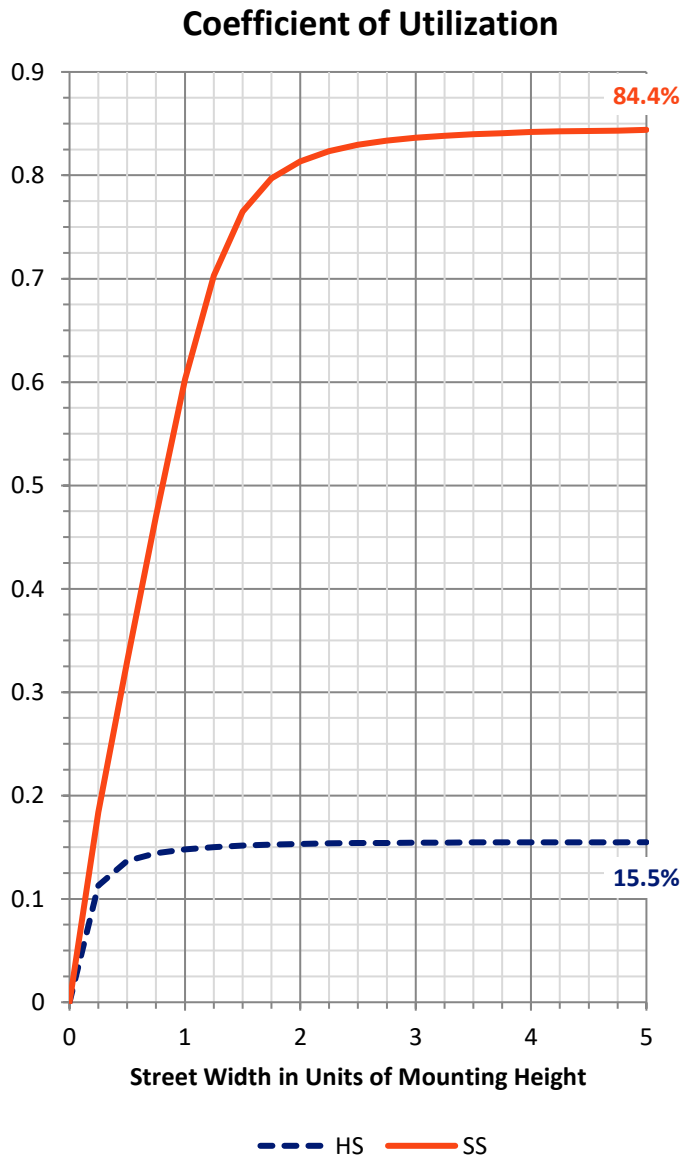
REPORT NUMBER: P1501729
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3497.3	0.0	3497.3
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	18917.9	0.0	18917.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	22415.3	0.0	22415.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.8	1.6
10°-20°	876.1	3.9
20°-30°	1635.5	7.3
30°-40°	3243.4	14.5
40°-50°	5171.2	23.1
50°-60°	6178.3	27.6
60°-70°	4050.2	18.1
70°-80°	848.6	3.8
80°-90°	64.2	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°	22415.3	100.0
0°-180°	22415.3	100.0



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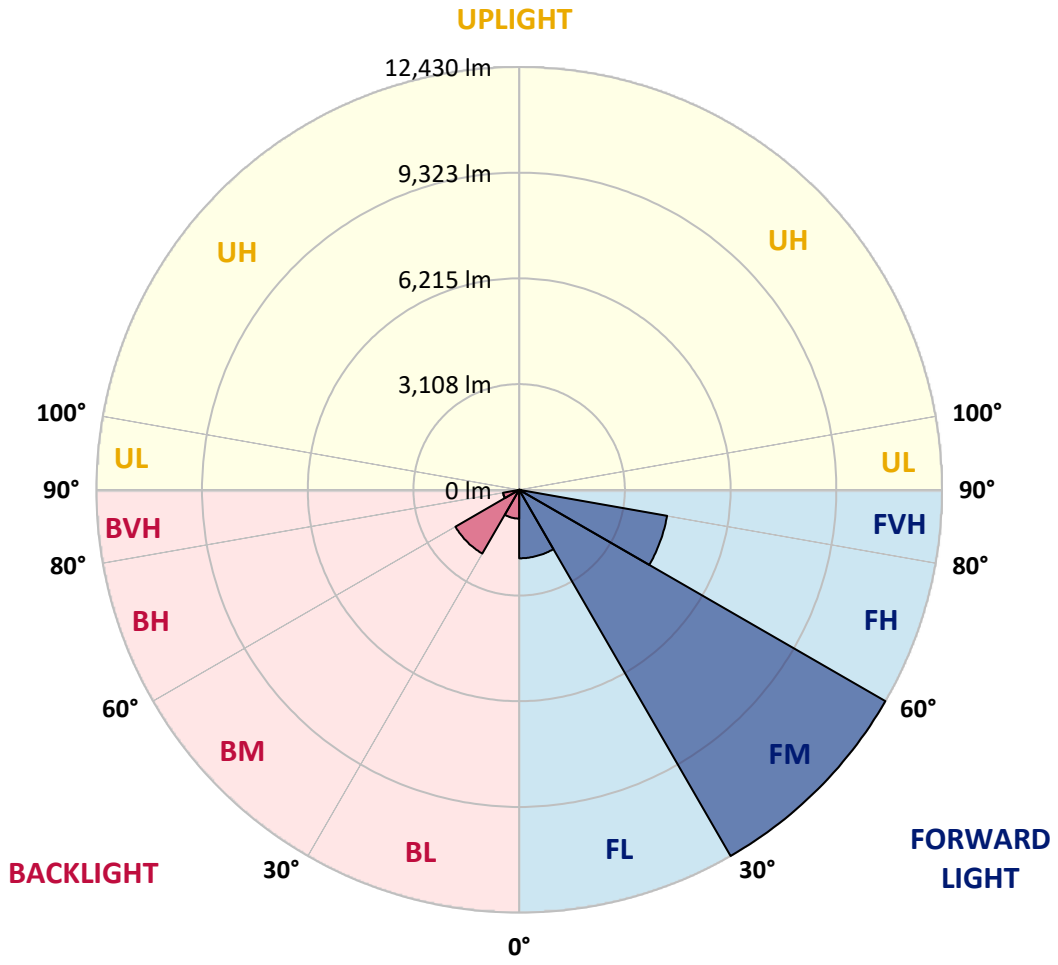
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2013.3	9.0			
FM	(30°-60°)	12430.1	55.5			
FH	(60°-80°)	4415.7	19.7			G2/5000
FVH	(80°-90°)	58.8	0.3			G1/100
BL	(0°-30°)	846.1	3.8	B2/1000		
BM	(30°-60°)	2162.7	9.6	B2/2500		
BH	(60°-80°)	483.1	2.2	B1/500		G1/500
BVH	(80°-90°)	5.4	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°	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7
2.5°	4036.3	4023.8	4005.0	4011.2	4005.0	3979.8	3942.2	3910.8	3935.9	3898.2	3873.1
5°	4155.6	4155.6	4143.1	4143.1	4149.3	4136.8	4111.7	4067.7	4074.0	4042.6	3961.0
7.5°	4155.6	4136.8	4168.2	4199.6	4256.1	4287.4	4300.0	4274.9	4287.4	4224.7	4118.0
10°	3910.8	3898.2	3979.8	4099.1	4262.3	4406.7	4500.9	4507.1	4526.0	4463.2	4337.7
12.5°	3389.8	3364.7	3527.9	3753.9	4086.6	4419.3	4682.9	4783.4	4827.3	4802.2	4626.4
15°	2906.4	2937.8	3050.8	3295.6	3741.3	4249.8	4783.4	5116.1	5178.8	5210.2	5003.1
17.5°	2856.2	2862.5	2900.1	3019.4	3358.4	3973.6	4795.9	5461.3	5549.2	5687.3	5404.8
20°	2994.3	2981.7	3019.4	3057.1	3220.3	3728.8	4676.6	5794.0	5963.5	6258.5	5950.9
22.5°	3251.7	3251.7	3270.5	3295.6	3377.2	3709.9	4626.4	6101.6	6390.4	6993.0	6635.2
25°	3684.8	3634.6	3647.1	3615.8	3684.8	3935.9	4739.4	6346.4	6741.9	7809.0	7451.2
27.5°	4356.5	4375.3	4262.3	4092.8	4130.5	4343.9	5015.6	6622.6	7106.0	8656.5	8279.8
30°	5285.5	5254.2	5185.1	4852.4	4701.7	4890.1	5524.1	7074.6	7595.6	9729.9	9384.7
32.5°	6013.7	6101.6	5982.3	5750.1	5517.8	5574.3	6239.7	7802.8	8192.0	10715.5	10527.1
35°	6892.5	6892.5	6917.7	6591.2	6434.3	6421.7	7137.4	8593.7	8982.9	11606.8	11738.7
37.5°	8079.0	7997.4	7859.3	7495.2	7375.9	7532.8	7978.5	9409.8	9830.4	12328.7	12680.3
40°	9077.1	9133.6	9114.7	8587.4	8355.2	8524.7	8920.1	10106.6	10433.0	12793.3	13439.8
42.5°	10056.3	10087.7	10006.1	9755.0	9416.0	9428.6	9755.0	10633.9	10966.6	13239.0	14155.5
45°	10790.8	10784.5	10728.0	10665.2	10464.4	10257.2	10313.7	11217.7	11506.4	13383.3	14544.7
47.5°	11023.1	11073.3	11123.5	11299.3	11437.4	11110.9	10822.2	11531.5	11795.2	13358.2	14689.0
50°	10809.6	10916.3	11161.2	11424.8	11895.6	11870.5	11249.0	11870.5	12127.9	13496.3	14858.5
52.5°	10332.5	10439.3	10765.7	11242.8	11952.1	12303.6	12040.0	12441.7	12743.1	13847.9	15210.1
55°	9221.4	9265.4	9937.1	10564.8	11669.6	12115.3	12887.4	13408.5	13659.5	14274.7	15674.6
57.5°	7507.7	7614.4	8273.6	9296.8	10878.7	11619.4	13370.8	15059.4	15053.1	14682.8	15775.0
60°	*4940.3*	*5254.2*	*6327.6*	*7457.5*	*9347.0*	*10646.4*	*13339.4*	*16992.8*	*17187.4*	*14281.0*	*14563.5*
62.5°	3772.7	3904.5	4513.4	5455.0	6917.7	8826.0	13132.2	17570.3	17721.0	13201.3	12749.3
65°	2837.4	3000.6	3584.4	4425.5	4883.8	5982.3	11776.3	15272.8	15480.0	11782.6	9912.0
67.5°	1738.8	1870.7	2649.0	3634.6	3697.4	3716.2	7947.1	11569.2	11644.5	9503.9	6672.8
70°	1161.3	1293.1	1833.0	2793.4	2944.1	2140.6	4362.8	8756.9	8750.6	6503.4	4055.2
72.5°	671.7	734.5	1161.3	2059.0	2316.3	1362.2	2178.2	5568.0	5323.2	3057.1	1895.8
75°	382.9	426.9	640.3	1324.5	1625.8	866.3	860.0	2981.7	2636.5	1575.6	1035.8
77.5°	232.3	251.1	351.5	866.3	979.3	583.8	477.1	1387.3	1337.1	922.8	546.1
80°	113.0	131.8	213.4	508.5	627.7	313.9	288.8	546.1	583.8	508.5	288.8
82.5°	37.7	50.2	119.3	194.6	408.0	125.5	119.3	301.3	320.1	301.3	138.1
85°	18.8	25.1	56.5	62.8	156.9	62.8	43.9	131.8	163.2	100.4	56.5
87.5°	0.0	6.3	6.3	6.3	6.3	6.3	6.3	12.6	12.6	12.6	12.6
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°	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7
2.5°	3854.3	3841.7	3816.6	3772.7	3766.4	3735.0	3684.8	3653.4	3628.3	3647.1	3653.4
5°	3923.4	3892.0	3816.6	3697.4	3571.8	3446.3	3327.0	3188.9	3094.7	3082.2	3057.1
7.5°	4048.9	3986.1	3822.9	3590.7	3270.5	2969.2	2617.7	2278.7	2109.2	2084.1	2027.6
10°	4249.8	4143.1	3873.1	3402.3	2787.2	2159.4	1625.8	1261.8	1054.6	1016.9	1029.5
12.5°	4488.3	4337.7	3879.4	3082.2	2121.7	1337.1	922.8	784.7	740.7	721.9	721.9
15°	4795.9	4576.2	3873.1	2667.9	1431.2	860.0	740.7	684.2	665.4	652.8	652.8
17.5°	5185.1	4896.3	3829.2	2046.4	966.7	747.0	678.0	634.0	608.9	602.6	602.6
20°	5643.4	5254.2	3728.8	1525.4	809.8	696.8	640.3	583.8	565.0	552.4	552.4
22.5°	6227.1	5687.3	3534.2	1186.4	765.8	665.4	602.6	539.9	521.0	508.5	508.5
25°	6905.1	6239.7	3276.8	1067.2	759.6	640.3	565.0	502.2	483.4	477.1	470.8
27.5°	7708.6	6829.8	3038.2	1073.4	772.1	621.5	527.3	470.8	452.0	433.1	439.4
30°	8656.5	7438.7	2843.6	1148.8	784.7	602.6	502.2	452.0	433.1	408.0	408.0
32.5°	9591.8	8154.3	2824.8	1286.9	828.6	590.1	477.1	426.9	408.0	389.2	389.2
35°	10552.3	8807.1	2931.5	1468.9	916.5	571.2	445.7	401.8	382.9	370.4	364.1
37.5°	11468.7	9328.2	3032.0	1581.9	866.3	489.6	408.0	370.4	351.5	326.4	326.4
40°	12077.7	9610.6	3050.8	1494.0	715.6	439.4	370.4	332.7	307.6	295.0	288.8
42.5°	12523.3	9792.7	2837.4	1211.5	621.5	401.8	339.0	301.3	282.5	269.9	269.9
45°	12705.4	9729.9	2473.3	922.8	571.2	370.4	307.6	276.2	263.6	251.1	251.1
47.5°	12680.3	9441.2	2102.9	740.7	521.0	339.0	288.8	263.6	251.1	238.5	232.3
50°	12636.3	9171.2	1726.3	659.1	464.5	320.1	269.9	251.1	232.3	219.7	213.4
52.5°	12925.1	9083.3	1431.2	602.6	433.1	307.6	263.6	238.5	219.7	207.2	207.2
55°	13213.9	9121.0	1123.6	565.0	401.8	301.3	257.4	232.3	213.4	194.6	194.6
57.5°	13195.0	8957.8	853.7	527.3	376.6	295.0	251.1	226.0	194.6	182.0	182.0
60°	*11996.0*	*7991.1*	*665.4*	*483.4*	*345.3*	*276.2*	*232.3*	*213.4*	*182.0*	*163.2*	*163.2*
62.5°	10144.2	6283.6	546.1	426.9	307.6	251.1	213.4	194.6	163.2	131.8	131.8
65°	7495.2	4532.3	439.4	370.4	282.5	219.7	194.6	169.5	131.8	106.7	100.4
67.5°	5072.1	2787.2	351.5	307.6	251.1	188.3	163.2	144.4	119.3	87.9	81.6
70°	3006.9	1481.5	257.4	213.4	188.3	138.1	138.1	125.5	100.4	75.3	69.1
72.5°	1431.2	514.7	188.3	156.9	144.4	100.4	106.7	106.7	81.6	56.5	50.2
75°	728.2	251.1	125.5	113.0	94.2	75.3	87.9	81.6	56.5	37.7	37.7
77.5°	414.3	175.8	87.9	75.3	62.8	50.2	56.5	50.2	31.4	18.8	18.8
80°	232.3	125.5	56.5	50.2	37.7	31.4	31.4	25.1	18.8	6.3	6.3
82.5°	87.9	75.3	37.7	25.1	18.8	18.8	12.6	12.6	6.3	0.0	0.0
85°	37.7	18.8	18.8	12.6	12.6	6.3	6.3	6.3	0.0	0.0	0.0
87.5°	6.3	6.3	6.3	6.3	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°	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7
2.5°	3603.2	3615.8	3628.3	3678.5	3691.1	3728.8	3760.1	3797.8	3804.1	3854.3	3854.3
5°	3107.3	3101.0	3207.7	3364.7	3465.1	3603.2	3709.9	3822.9	3885.7	3967.3	4005.0
7.5°	2059.0	2215.9	2454.4	2730.7	3088.5	3421.2	3672.3	3892.0	4042.6	4136.8	4174.4
10°	1023.2	1111.1	1362.2	1814.2	2423.1	3101.0	3634.6	4042.6	4287.4	4394.2	4463.2
12.5°	721.9	740.7	784.7	1029.5	1613.3	2573.7	3515.3	4205.8	4544.8	4745.7	4833.6
15°	646.6	659.1	678.0	747.0	998.1	1920.9	3301.9	4387.9	4946.6	5178.8	5291.8
17.5°	596.3	602.6	621.5	678.0	784.7	1305.7	2956.6	4582.5	5429.9	5712.4	5925.8
20°	552.4	552.4	571.2	640.3	728.2	1004.4	2460.7	4802.2	6045.1	6453.1	6666.6
22.5°	502.2	514.7	527.3	602.6	709.3	916.5	1996.2	4971.7	6729.3	7225.2	7476.3
25°	464.5	477.1	489.6	565.0	690.5	916.5	1726.3	5078.4	7495.2	8085.2	8430.5
27.5°	433.1	445.7	464.5	539.9	671.7	954.2	1619.6	5109.8	8330.1	9095.9	9560.4
30°	408.0	420.6	439.4	521.0	684.2	998.1	1657.2	5065.8	9177.5	10137.9	10690.4
32.5°	382.9	395.5	414.3	502.2	684.2	1054.6	1782.8	4978.0	9999.8	11180.0	11857.9
35°	364.1	370.4	376.6	452.0	621.5	1048.3	1939.7	4890.1	10828.5	12209.5	13000.4
37.5°	326.4	332.7	345.3	389.2	495.9	954.2	1971.1	4783.4	11481.3	13075.8	13948.3
40°	288.8	301.3	313.9	357.8	414.3	772.1	1833.0	4557.4	11826.6	13741.2	14802.0
42.5°	263.6	269.9	282.5	326.4	382.9	615.2	1538.0	4161.9	12134.1	14193.1	15423.5
45°	244.8	251.1	263.6	295.0	357.8	533.6	1211.5	3678.5	12159.3	14337.5	15724.8
47.5°	226.0	232.3	238.5	269.9	345.3	477.1	929.1	3239.1	12153.0	14525.8	15982.2
50°	213.4	219.7	232.3	257.4	326.4	426.9	765.8	2881.3	12416.6	14933.9	16503.2
52.5°	207.2	207.2	226.0	251.1	307.6	389.2	640.3	2561.2	12554.7	15335.6	16879.8
55°	194.6	200.9	213.4	238.5	288.8	370.4	546.1	2159.4	12617.5	15536.5	16948.9
57.5°	182.0	188.3	207.2	226.0	276.2	351.5	470.8	1613.3	11719.8	14488.2	15793.9
60°	*163.2*	*175.8*	*200.9*	*219.7*	*257.4*	*320.1*	*414.3*	*1092.3*	*9886.9*	*12592.4*	*13684.7*
62.5°	131.8	156.9	182.0	194.6	232.3	269.9	351.5	728.2	7896.9	10420.4	11663.3
65°	100.4	131.8	150.7	169.5	194.6	226.0	295.0	495.9	5266.7	7011.8	8411.7
67.5°	87.9	113.0	125.5	138.1	163.2	194.6	238.5	345.3	3195.2	4212.1	5593.1
70°	69.1	94.2	106.7	100.4	125.5	150.7	169.5	232.3	1632.1	2285.0	3182.6
72.5°	50.2	75.3	81.6	81.6	75.3	106.7	125.5	163.2	709.3	1111.1	1443.8
75°	37.7	50.2	56.5	50.2	43.9	69.1	87.9	106.7	464.5	665.4	841.2
77.5°	18.8	18.8	31.4	31.4	18.8	37.7	43.9	62.8	263.6	389.2	483.4
80°	6.3	0.0	0.0	6.3	0.0	12.6	18.8	31.4	138.1	207.2	301.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	69.1	62.8	156.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	37.7
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: P1501729
CATALOG NUMBER: GSS-SB6A-740-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7	3841.7
2.5°	3885.7	3885.7	3910.8	3948.5	3967.3	3979.8	3986.1	3998.7	4048.9	4036.3
5°	4048.9	4061.5	4080.3	4118.0	4161.9	4149.3	4149.3	4149.3	4180.7	4155.6
7.5°	4262.3	4300.0	4306.3	4350.2	4318.8	4256.1	4218.4	4161.9	4155.6	4155.6
10°	4607.6	4595.0	4595.0	4538.5	4425.5	4243.5	4080.3	3967.3	3904.5	3910.8
12.5°	4978.0	4927.7	4934.0	4726.9	4406.7	4005.0	3672.3	3427.4	3408.6	3389.8
15°	5436.2	5304.4	5279.3	4802.2	4124.2	3509.0	3182.6	2988.0	2925.3	2906.4
17.5°	6089.0	5756.3	5637.1	4670.4	3753.9	3201.5	2956.6	2868.8	2862.5	2856.2
20°	6779.6	6120.4	5894.4	4475.8	3628.3	3207.7	3025.7	3000.6	2988.0	2994.3
22.5°	7583.1	6352.7	6063.9	4507.1	3741.3	3414.9	3270.5	3251.7	3239.1	3251.7
25°	8411.7	6622.6	6264.8	4758.2	4080.3	3797.8	3628.3	3590.7	3628.3	3684.8
27.5°	9246.6	6986.7	6660.3	5254.2	4626.4	4318.8	4155.6	4293.7	4350.2	4356.5
30°	9987.3	7495.2	7193.9	5950.9	5247.9	4940.3	4971.7	5147.4	5216.5	5285.5
32.5°	10665.2	8173.1	7940.9	6741.9	6051.4	5869.3	5850.5	5982.3	6057.7	6013.7
35°	11349.5	9058.2	8832.3	7601.9	7036.9	6886.3	6729.3	6986.7	6961.6	6892.5
37.5°	11996.0	9949.6	9742.5	8524.7	7940.9	7677.2	7652.1	7884.4	8091.5	8079.0
40°	12460.6	10671.5	10420.4	9441.2	8888.7	8662.8	8794.6	9196.3	9146.1	9077.1
42.5°	12887.4	11286.7	11060.7	10244.7	9667.1	9767.6	9886.9	10156.8	10125.4	10056.3
45°	13088.3	11814.0	11619.4	10853.6	10571.1	10891.2	10885.0	10985.4	10815.9	10790.8
47.5°	13370.8	12190.6	11989.8	11399.7	11650.8	11782.6	11412.3	11305.5	11148.6	11023.1
50°	13891.8	12774.4	12573.6	12228.3	12441.7	12033.7	11581.7	11349.5	11029.3	10809.6
52.5°	14500.7	13659.5	13483.8	13345.7	12749.3	11908.2	11330.6	10910.1	10520.9	10332.5
55°	15266.6	14965.2	14839.7	14080.1	12473.1	11393.4	10715.5	9930.8	9397.2	9221.4
57.5°	15517.6	16879.8	16835.9	14199.4	11701.0	10458.1	9234.0	8173.1	7620.7	7507.7
60°	14776.9	18380.1	18223.2	13998.5	10301.2	8487.0	7055.8	5969.8	5072.1	4940.3
62.5°	13829.0	17231.4	17174.9	12987.9	7846.7	6082.8	5273.0	4256.1	3873.1	3772.7
65°	11845.4	14099.0	14124.1	10420.4	4965.4	4369.0	4331.4	3383.5	2912.7	2837.4
67.5°	9121.0	10815.9	10640.1	6553.6	2893.9	3496.5	3458.8	2473.3	1789.0	1738.8
70°	5329.5	8053.9	7771.4	3408.6	1914.6	2919.0	2661.6	1738.8	1217.8	1161.3
72.5°	2354.0	4431.8	4758.2	1500.3	1349.6	2322.6	1920.9	1067.2	684.2	671.7
75°	1305.7	2197.1	2297.5	652.8	947.9	1650.9	1161.3	596.3	389.2	382.9
77.5°	784.7	973.0	947.9	420.6	709.3	1054.6	703.1	339.0	244.8	232.3
80°	439.4	445.7	376.6	307.6	420.6	590.1	395.5	213.4	113.0	113.0
82.5°	269.9	244.8	194.6	94.2	113.0	357.8	144.4	119.3	37.7	37.7
85°	113.0	75.3	50.2	18.8	43.9	94.2	50.2	56.5	18.8	18.8
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

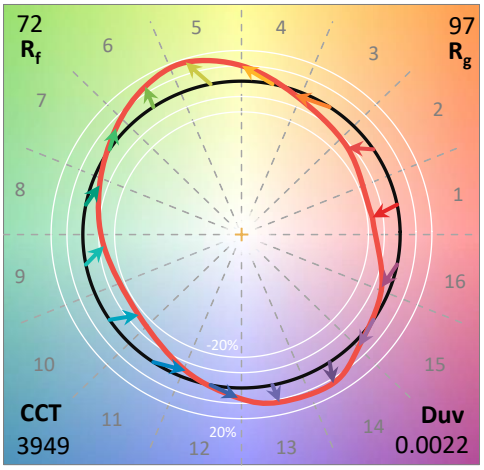
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

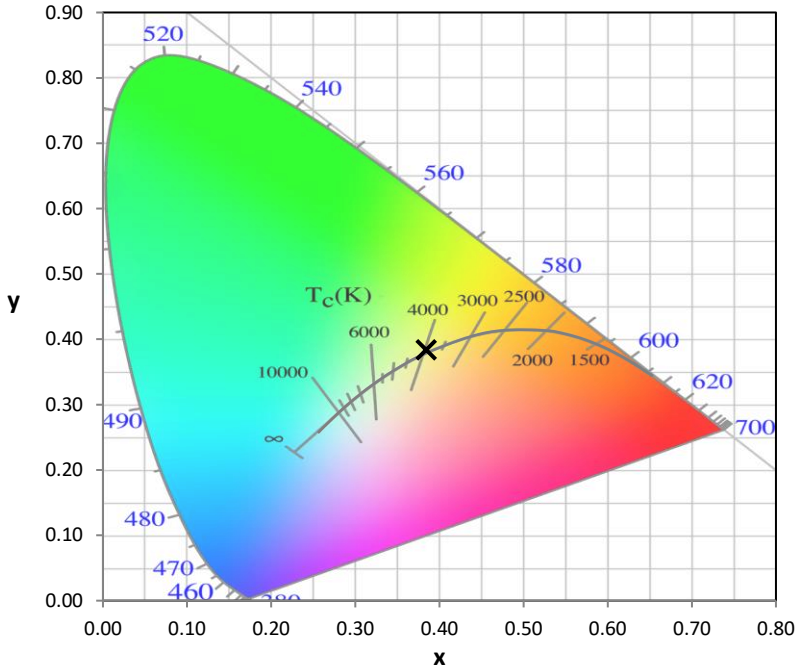
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

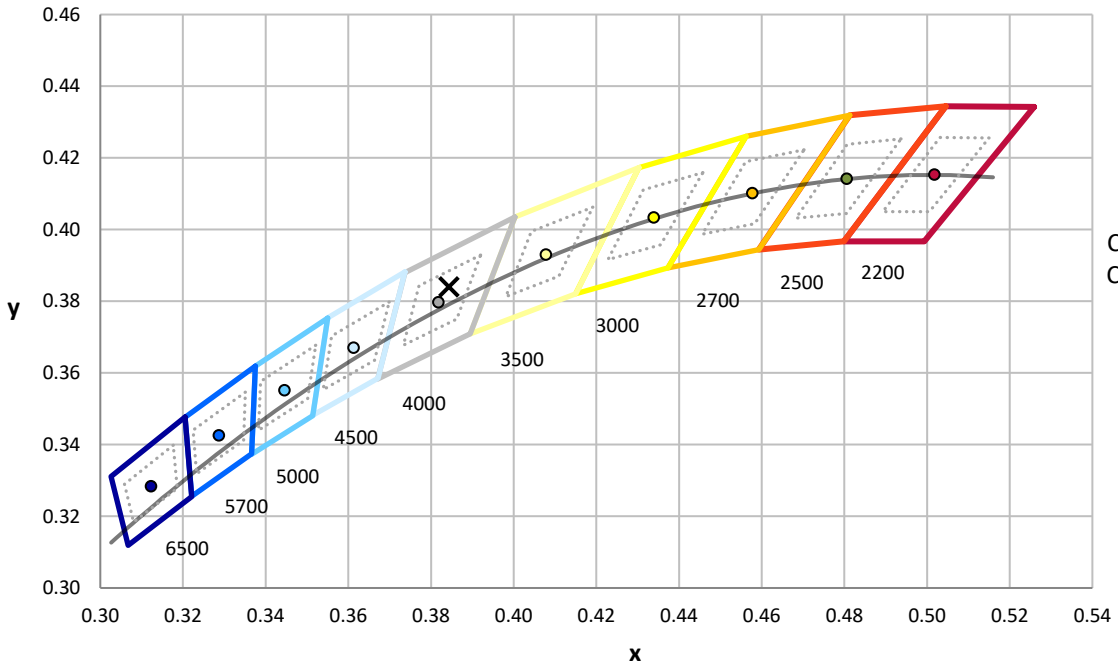
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

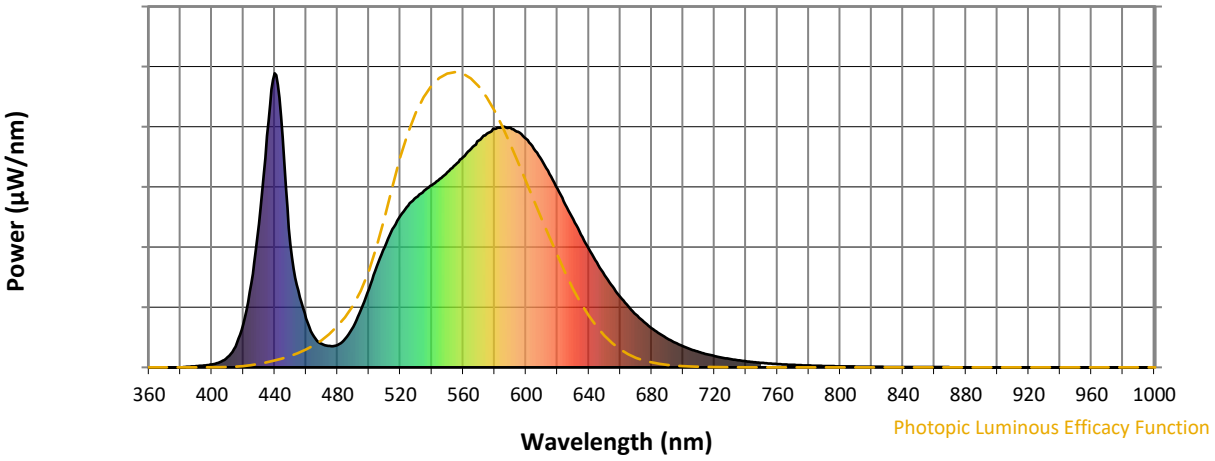


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

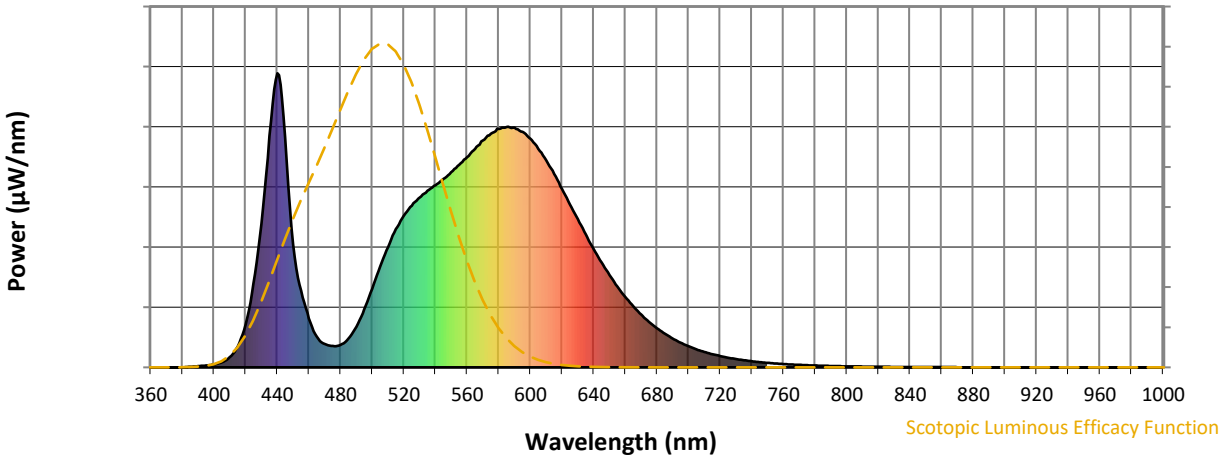


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

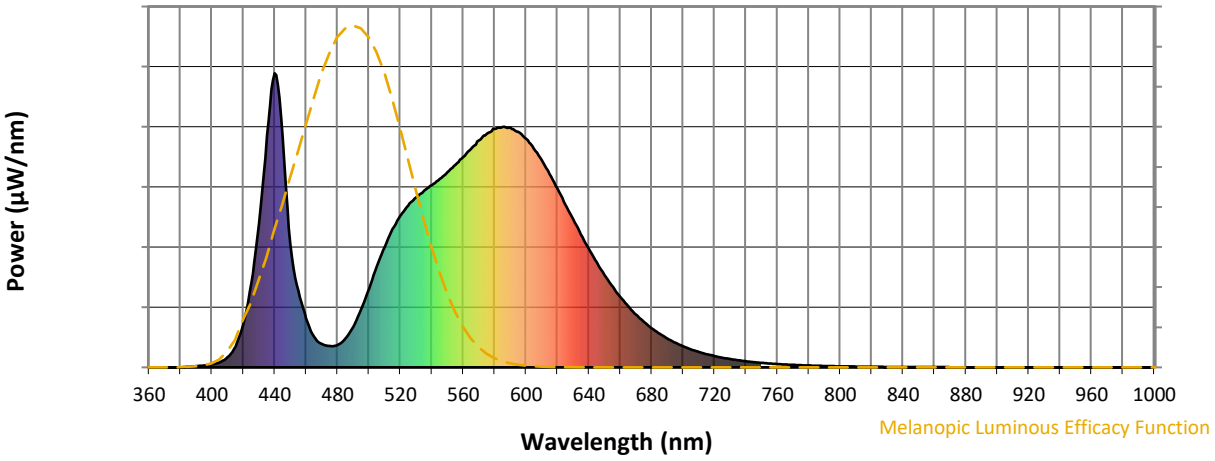


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

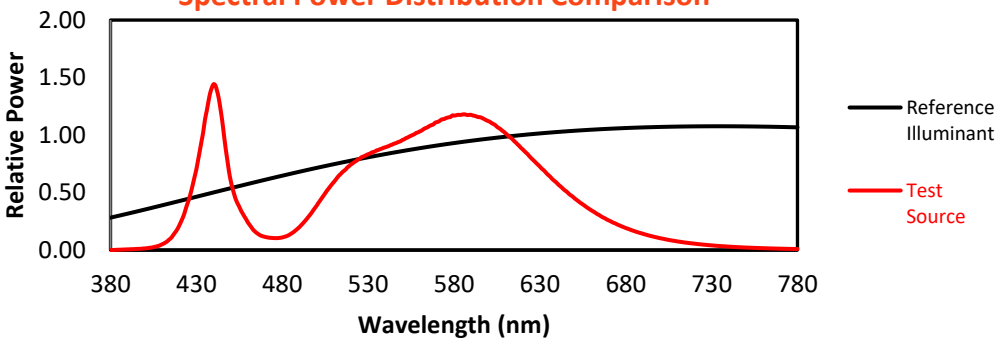
REPORT NUMBER: SP1-2407-184-1

TM-30-18

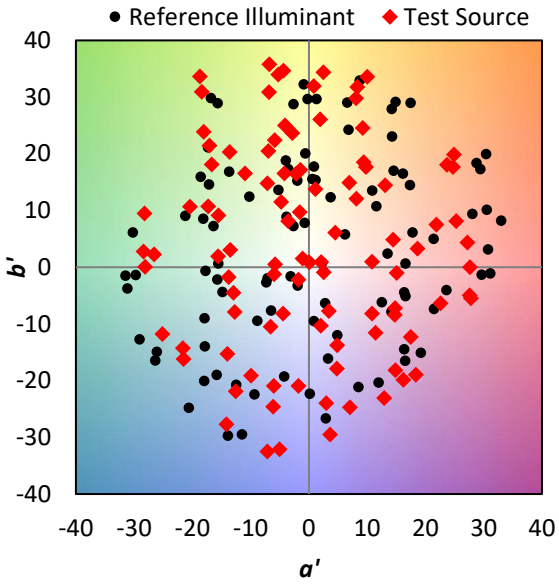
Summary

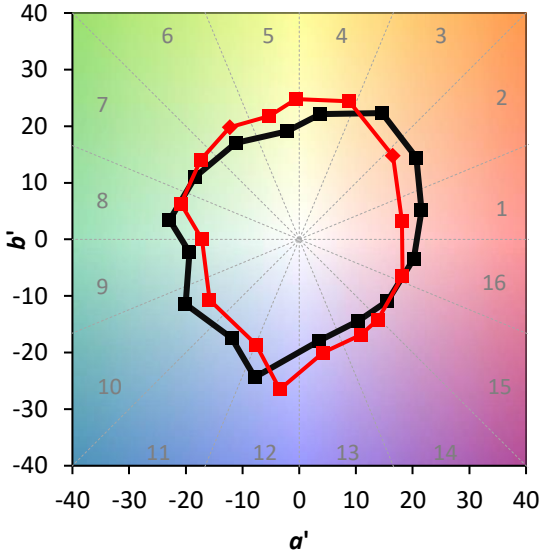
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

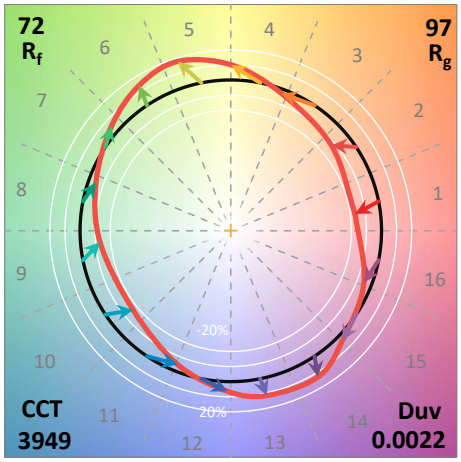
Spectral Power Distribution Comparison

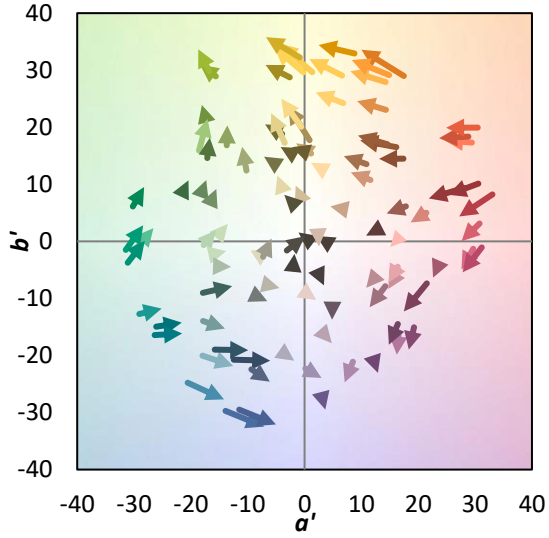


Color Vector Graphics







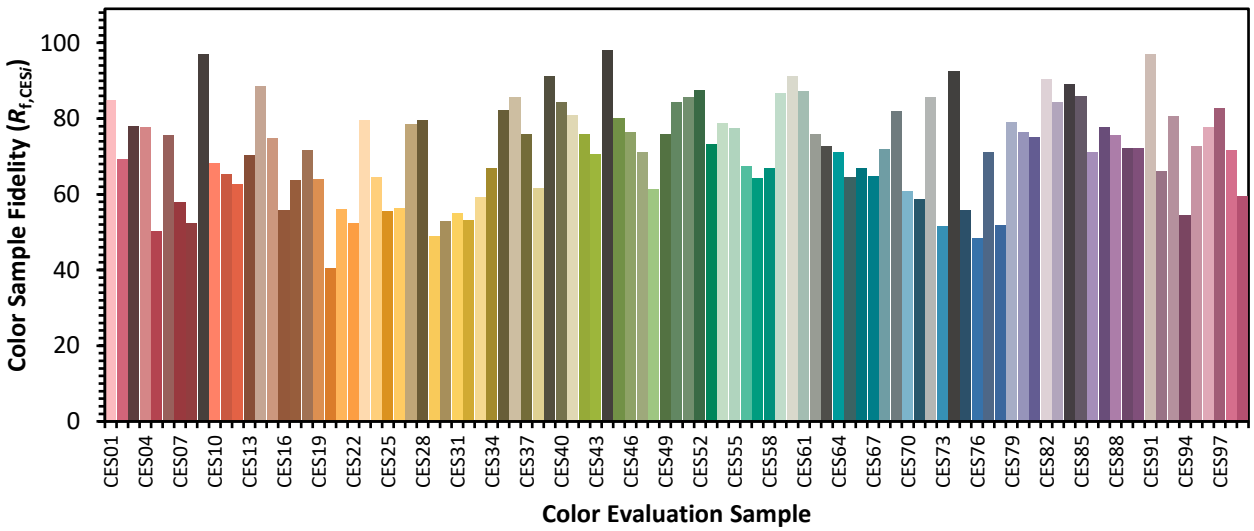


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Individual Sample Fidelity Index ($R_{f,i}$)

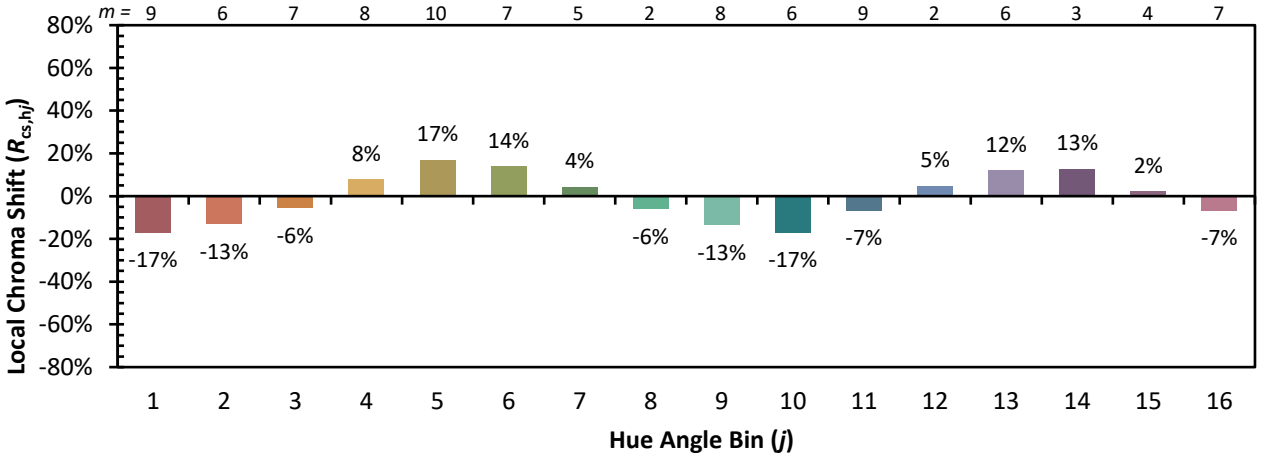
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

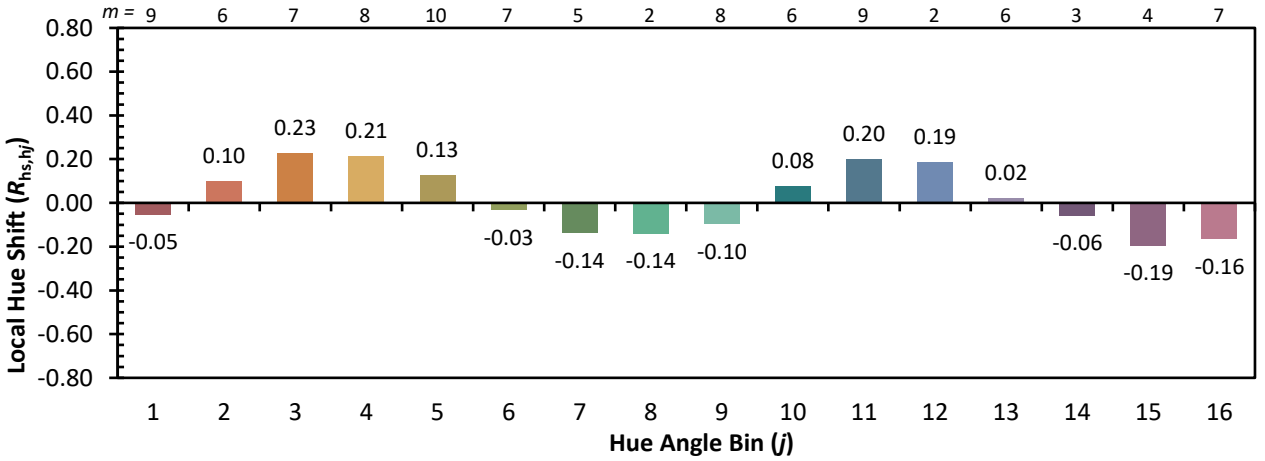


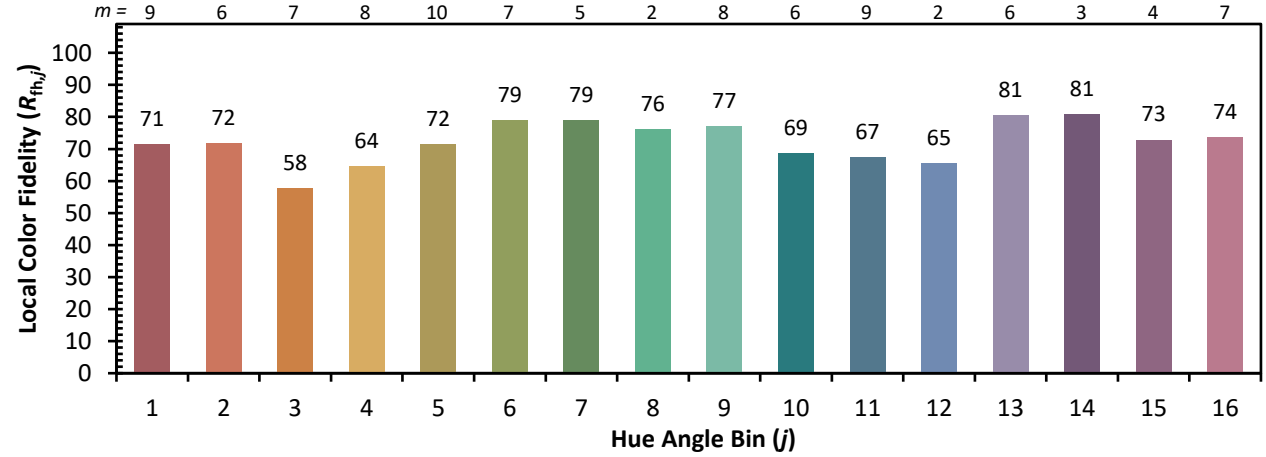
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Color Rendition by Hue-Angle Bin



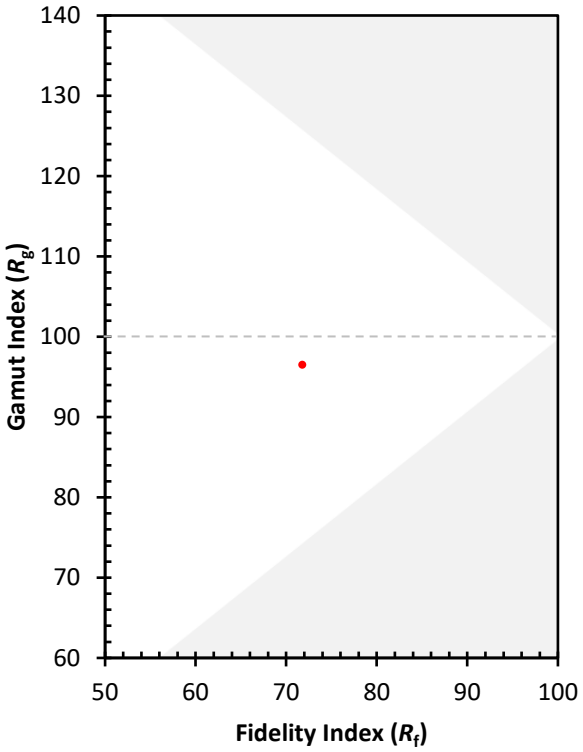


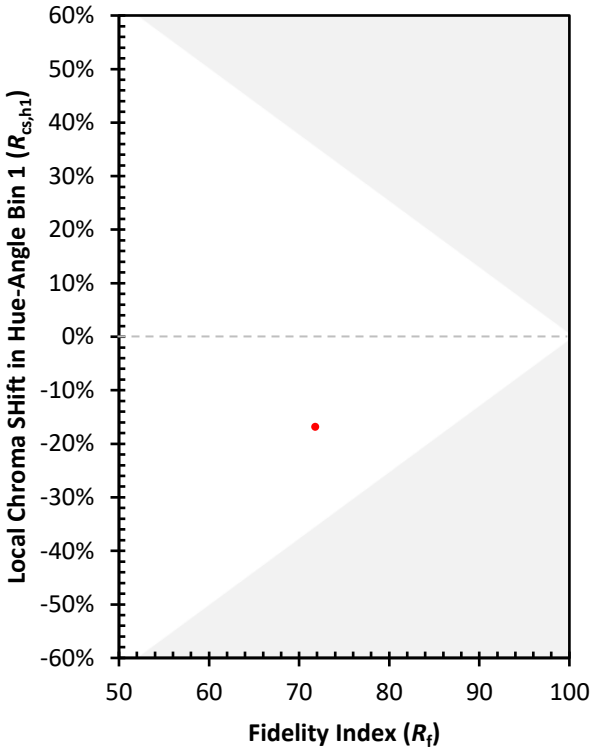


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Measure Comparisons





(END OF REPORT)