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: P1501395

Luminaire Tested: GSS-SB6C-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:	P1501395
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-727-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	40128.1 lumens
Efficiency:	N/A
Efficacy:	133.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

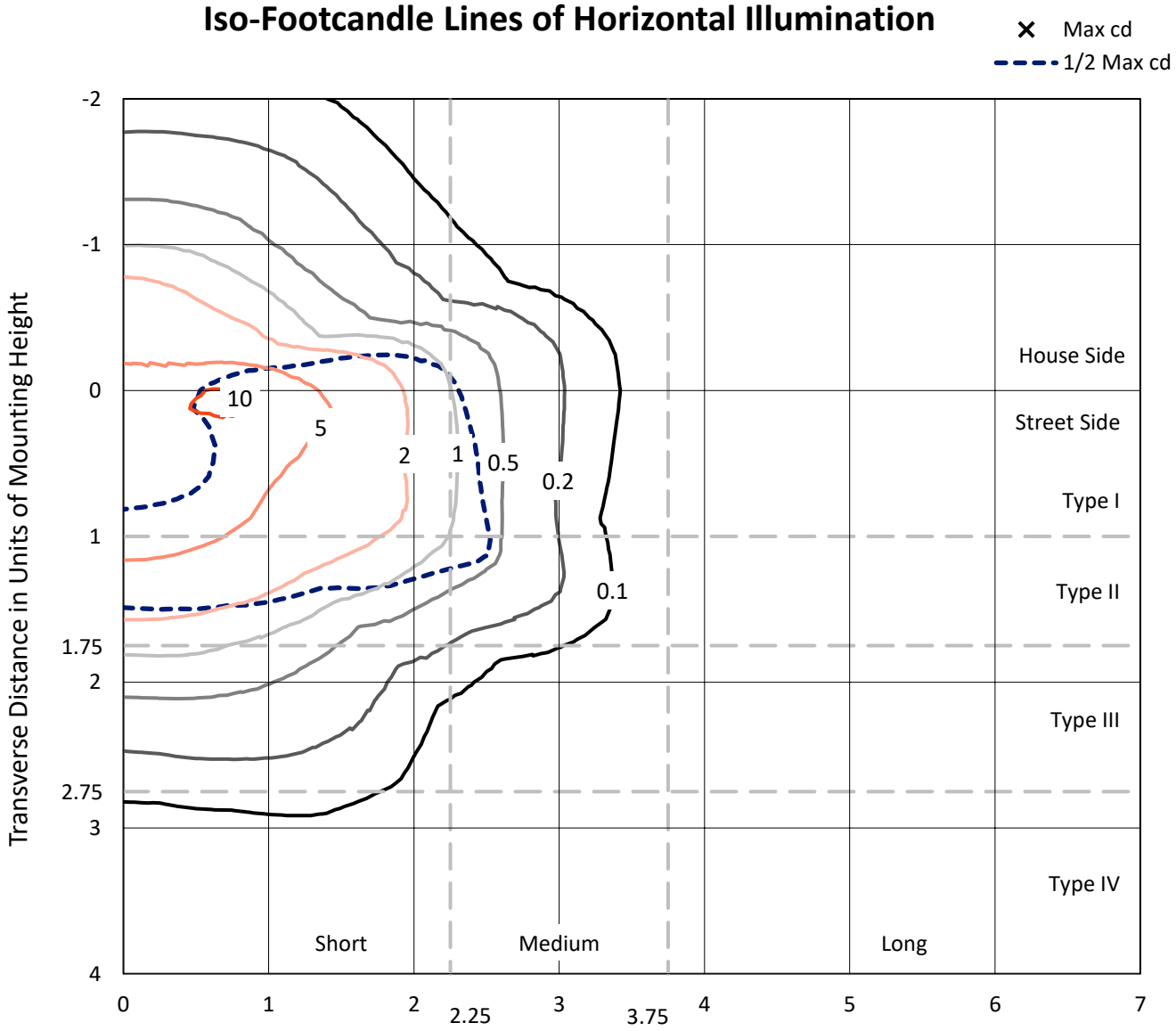
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



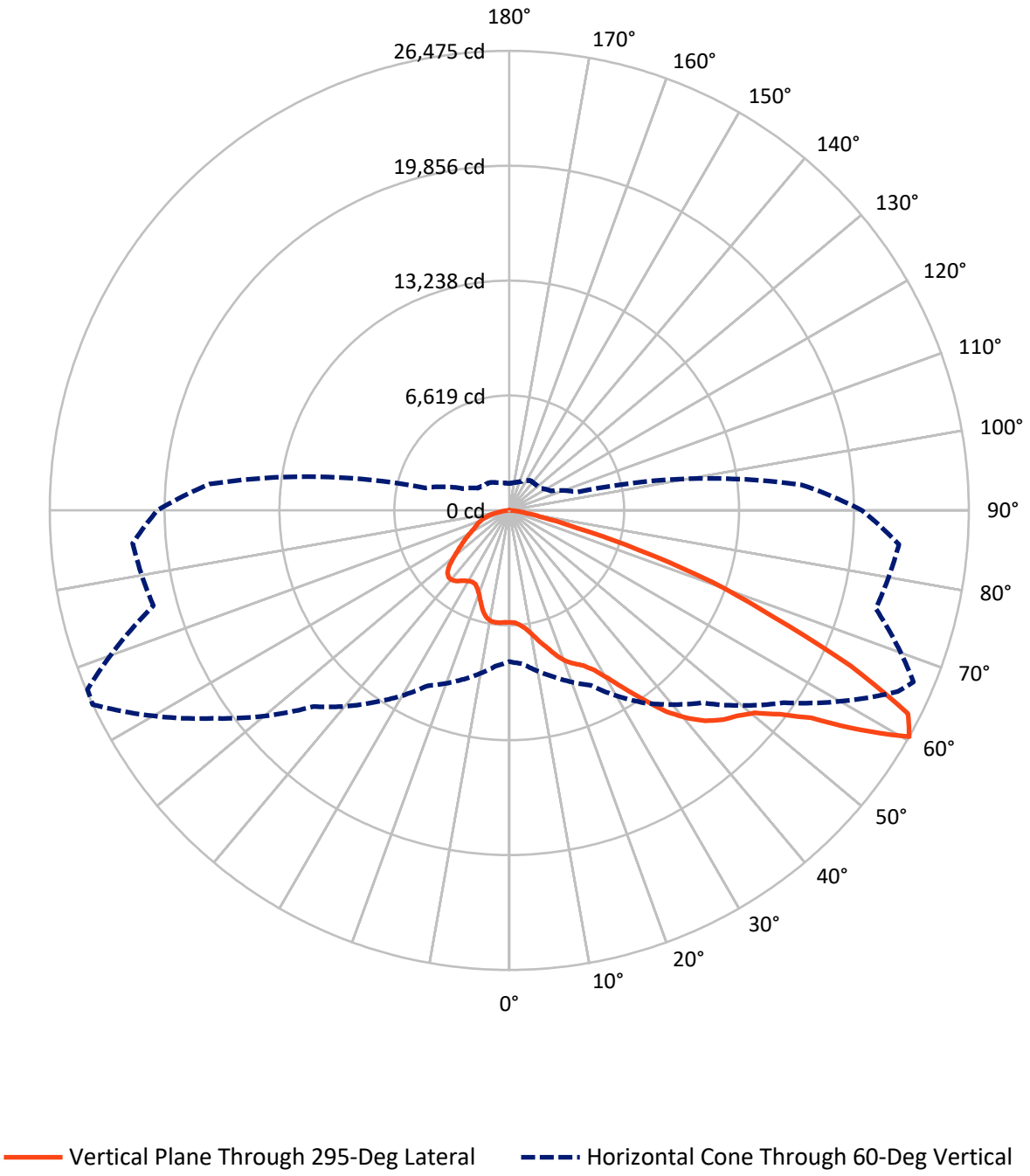
Based on 30 foot mounting height. Maximum calculated value = 10.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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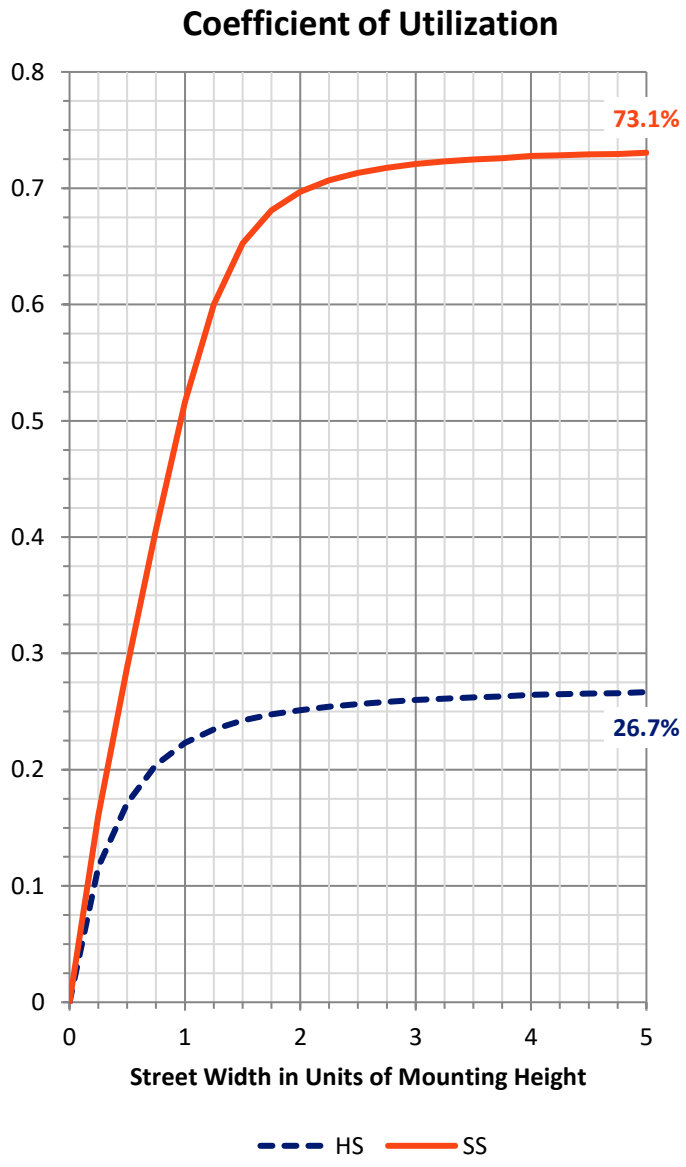
REPORT NUMBER: P1501395
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10790.9	0.0	10790.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	29337.2	0.0	29337.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	40128.1	0.0	40128.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.1	1.5
10°-20°	1745.1	4.3
20°-30°	3305.5	8.2
30°-40°	5827.4	14.5
40°-50°	8618.1	21.5
50°-60°	10120.0	25.2
60°-70°	7332.4	18.3
70°-80°	2261.2	5.6
80°-90°	311.3	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°	40128.1	100.0
0°-180°	40128.1	100.0



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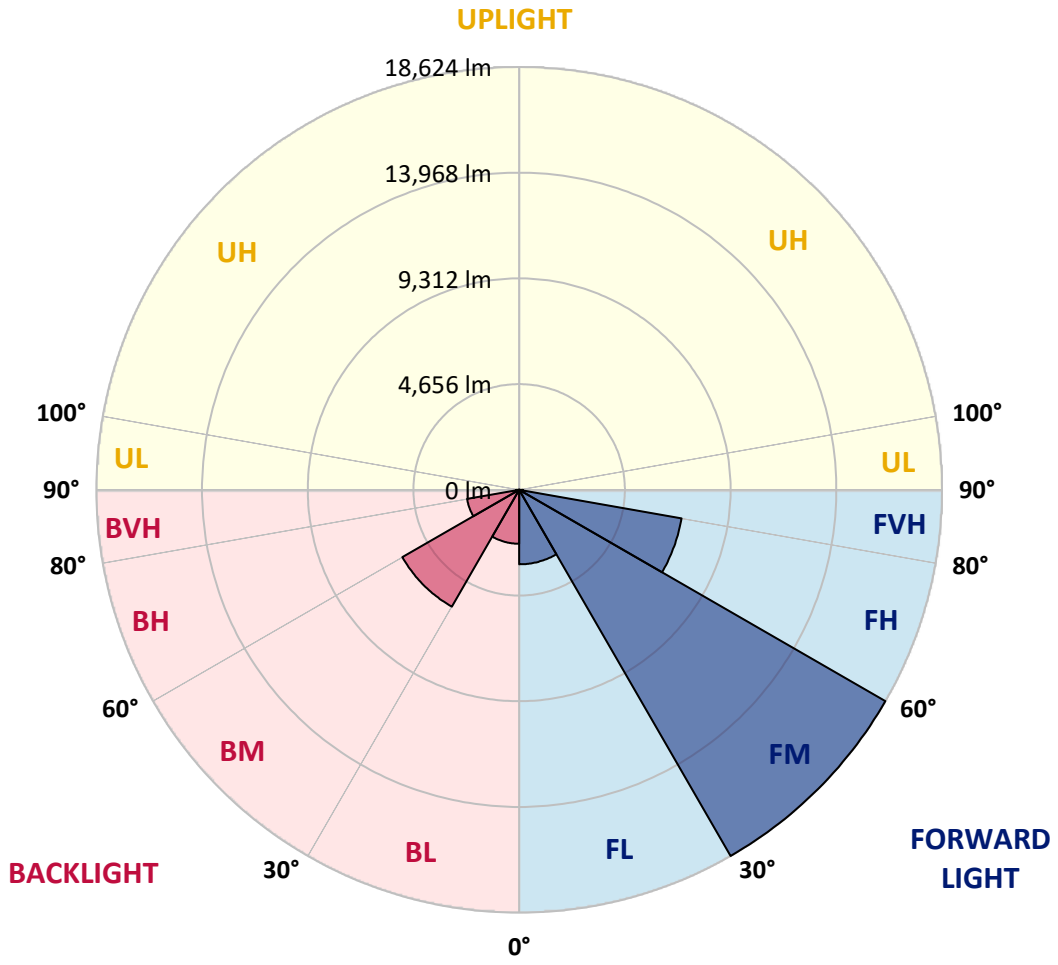
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3281.1	8.2			
FM	(30°-60°)	18623.7	46.4			
FH	(60°-80°)	7264.4	18.1			G3/7500
FVH	(80°-90°)	167.9	0.4			G2/225
BL	(0°-30°)	2376.5	5.9	B3/2500		
BM	(30°-60°)	5941.8	14.8	B4/8500		
BH	(60°-80°)	2329.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	143.4	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4
2.5°	6584.5	6602.7	6575.3	6593.6	6593.6	6566.2	6557.0	6520.4	6538.7	6529.6	6520.4
5°	6739.9	6749.1	6730.8	6758.2	6758.2	6767.4	6758.2	6712.5	6712.5	6712.5	6694.2
7.5°	6694.2	6694.2	6703.3	6794.8	6886.2	7005.1	7005.1	6986.8	7005.1	6996.0	6913.7
10°	6310.1	6346.7	6429.0	6657.6	6877.1	7133.2	7306.9	7361.8	7361.8	7370.9	7233.8
12.5°	5624.2	5651.7	5843.7	6191.2	6648.5	7114.9	7535.5	7809.9	7837.3	7883.1	7700.2
15°	5011.5	5029.8	5167.0	5523.6	6044.9	6867.9	7663.6	8230.6	8322.0	8514.1	8239.7
17.5°	5066.4	5057.2	5093.8	5231.0	5605.9	6465.6	7636.1	8724.4	8889.0	9227.4	8989.6
20°	5395.6	5395.6	5423.0	5450.5	5587.6	6172.9	7434.9	9126.8	9446.9	10105.3	9831.0
22.5°	5916.9	5916.9	5907.7	5953.4	5953.4	6301.0	7444.1	9428.6	9904.1	11083.8	10818.6
25°	6639.3	6602.7	6602.7	6621.0	6538.7	6785.6	7672.7	9739.5	10361.4	12245.3	12016.6
27.5°	7453.2	7480.7	7462.4	7398.4	7288.6	7480.7	8221.4	10224.2	10873.5	13470.7	13379.2
30°	8340.3	8349.5	8367.7	8331.2	8239.7	8376.9	9081.1	10955.8	11550.2	14751.0	14952.2
32.5°	9209.1	9337.1	9291.4	9199.9	9236.5	9483.4	10141.9	11943.5	12556.2	15939.9	16653.2
35°	10315.6	10361.4	10544.3	10205.9	10215.0	10635.7	11495.4	13242.1	13836.5	17174.4	18354.2
37.5°	11925.2	12007.5	11925.2	11394.8	11312.5	11897.7	12812.2	14522.4	14952.2	18107.2	19936.3
40°	13507.3	13607.9	13745.0	13123.2	12601.9	13086.6	14056.0	15500.9	15949.0	18619.4	20987.9
42.5°	14815.0	14979.6	14833.3	14650.4	14174.9	14266.3	14924.8	16259.9	16708.0	19268.7	22048.8
45°	15921.6	15949.0	16013.0	15885.0	15647.2	15564.9	15665.5	16927.5	17421.4	19561.3	22570.0
47.5°	16378.8	16497.7	16552.6	16772.1	17019.0	16854.4	16296.5	17238.5	17686.6	19543.0	22734.6
50°	16131.9	16250.8	16543.4	17064.7	17659.1	17951.8	17037.3	17668.3	18171.3	19872.2	23073.0
52.5°	15482.6	15610.6	16086.2	16680.6	17677.4	18345.0	18079.8	18564.5	19049.2	20457.5	23640.0
55°	13909.7	14101.7	14769.3	15757.0	17128.7	18134.7	19177.2	19881.4	20411.8	21161.7	24225.3
57.5°	11623.4	11824.6	12574.5	14056.0	16113.6	17265.9	19497.3	22350.6	22588.3	22003.0	24280.2
60°	*8706.1*	*8870.7*	*9931.5*	*11120.4*	*13534.7*	*15674.7*	*19314.4*	*24691.7*	*25295.3*	*21856.7*	*22533.5*
62.5°	6895.4	7096.6	8038.5	8587.2	10315.6	12949.4	18674.2	25341.0	25862.3	20649.6	20100.9
65°	5386.4	5523.6	6401.6	7188.0	7608.7	8843.3	16003.9	22167.7	22634.1	18683.4	16589.2
67.5°	3557.4	3767.8	4810.3	5889.4	6108.9	5624.2	11010.7	17055.6	17275.0	14851.6	12473.9
70°	2551.5	2652.1	3429.4	4581.7	4910.9	3767.8	5999.2	12912.8	12976.9	9968.1	8404.3
72.5°	1737.6	1755.9	2332.0	3511.7	3914.1	2734.4	3301.4	8504.9	8285.4	4920.0	4810.3
75°	1179.7	1198.0	1490.6	2341.1	2771.0	1902.2	2149.1	4636.6	4453.7	2716.1	2917.3
77.5°	795.6	813.9	1024.2	1573.0	1847.3	1316.9	1573.0	2450.9	2405.2	1801.6	1563.8
80°	603.6	631.0	759.0	1006.0	1289.5	768.2	896.2	1161.4	1179.7	960.2	795.6
82.5°	338.4	374.9	457.3	512.1	832.2	429.8	429.8	695.0	667.6	594.4	429.8
85°	146.3	155.5	182.9	192.0	338.4	182.9	155.5	301.8	310.9	292.6	137.2
87.5°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	36.6	36.6	36.6	36.6
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°	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4
2.5°	6474.7	6529.6	6474.7	6447.3	6447.3	6401.6	6383.3	6383.3	6319.2	6346.7	6328.4
5°	6621.0	6639.3	6575.3	6493.0	6383.3	6291.8	6163.8	5999.2	5898.6	5889.4	5898.6
7.5°	6849.7	6858.8	6685.0	6502.1	6227.8	5898.6	5505.3	5185.3	4901.8	4856.0	4910.9
10°	7169.7	7151.4	6895.4	6465.6	5889.4	5194.4	4590.8	4298.2	4133.6	4124.4	4115.3
12.5°	7599.6	7480.7	7087.4	6310.1	5304.1	4499.4	4188.4	4170.2	4215.9	4252.5	4261.6
15°	8093.4	7937.9	7242.9	6008.3	4709.7	4243.3	4261.6	4417.1	4471.9	4508.5	4508.5
17.5°	8706.1	8504.9	7416.7	5578.5	4407.9	4298.2	4426.2	4572.5	4664.0	4700.6	4691.4
20°	9520.0	9099.3	7553.8	5167.0	4325.6	4389.6	4499.4	4645.7	4737.1	4782.9	4782.9
22.5°	10333.9	9812.7	7581.3	4883.5	4325.6	4398.8	4499.4	4645.7	4746.3	4792.0	4782.9
25°	11440.5	10727.2	7590.4	4682.3	4334.8	4353.1	4444.5	4572.5	4718.9	4764.6	4782.9
27.5°	12620.2	11733.1	7636.1	4636.6	4298.2	4289.0	4353.1	4471.9	4618.3	4737.1	4746.3
30°	14083.4	12867.1	7654.4	4682.3	4307.3	4188.4	4234.2	4353.1	4508.5	4627.4	4664.0
32.5°	15519.2	13918.8	7617.8	4782.9	4325.6	4124.4	4133.6	4206.7	4371.3	4453.7	4517.7
35°	17037.3	15034.5	7553.8	4920.0	4334.8	4097.0	4014.7	4051.3	4161.0	4170.2	4197.6
37.5°	18226.1	15866.7	7361.8	5103.0	4353.1	3996.4	3831.8	3804.4	3758.6	3667.2	3685.5
40°	19204.7	16424.6	7041.7	5194.4	4307.3	3877.5	3603.2	3475.1	3301.4	3164.2	3191.6
42.5°	19908.8	16799.5	6657.6	5212.7	4234.2	3676.3	3338.0	3118.5	2926.4	2780.1	2789.2
45°	20219.8	16762.9	6246.1	5075.5	4060.4	3429.4	3091.0	2880.7	2670.4	2514.9	2496.6
47.5°	20228.9	16406.3	5679.1	4746.3	3767.8	3145.9	2862.4	2633.8	2460.0	2350.3	2341.1
50°	20302.1	16205.1	5148.7	4270.7	3383.7	2844.1	2661.2	2432.6	2332.0	2176.5	2130.8
52.5°	20759.3	16534.3	4782.9	3749.5	3027.0	2624.6	2487.5	2286.3	2121.7	2021.1	2011.9
55°	21500.1	17101.3	4581.7	3356.2	2688.7	2414.3	2322.8	2149.1	2002.8	1902.2	1874.7
57.5°	21591.5	17393.9	4343.9	2990.4	2414.3	2249.7	2213.1	2021.1	1810.7	1737.6	1710.1
60°	*20311.2*	*16900.1*	*4051.3*	*2652.1*	*2213.1*	*2121.7*	*2103.4*	*1847.3*	*1673.5*	*1582.1*	*1545.5*
62.5°	18564.5	15665.5	3603.2	2341.1	2057.6	1993.6	1920.5	1719.3	1499.8	1399.2	1371.8
65°	15171.7	13168.9	3063.6	2130.8	1902.2	1829.0	1810.7	1536.4	1390.1	1335.2	1326.0
67.5°	11495.4	10580.8	2697.8	1975.3	1737.6	1710.1	1646.1	1554.7	1490.6	1426.6	1408.3
70°	8130.0	7636.1	2295.4	1774.1	1573.0	1527.2	1792.4	1691.8	1463.2	1380.9	1371.8
72.5°	4929.2	4792.0	1984.5	1591.2	1353.5	1426.6	1655.3	1527.2	1316.9	1216.3	1179.7
75°	3109.3	2844.1	1664.4	1353.5	1079.1	1161.4	1444.9	1362.6	1134.0	1033.4	1006.0
77.5°	1691.8	1573.0	1252.9	1106.6	850.5	941.9	1262.0	1124.8	905.4	987.7	877.9
80°	740.8	823.1	832.2	640.2	567.0	695.0	905.4	877.9	695.0	704.2	585.3
82.5°	356.7	466.4	539.6	439.0	320.1	411.5	603.6	503.0	466.4	439.0	420.7
85°	109.7	173.8	237.8	210.3	146.3	173.8	283.5	274.4	329.2	283.5	265.2
87.5°	36.6	36.6	27.4	27.4	27.4	36.6	45.7	27.4	9.1	9.1	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°	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4
2.5°	6319.2	6328.4	6328.4	6337.5	6337.5	6365.0	6401.6	6438.1	6410.7	6447.3	6456.4
5°	5880.3	5926.0	5962.6	6099.8	6209.5	6301.0	6401.6	6493.0	6520.4	6538.7	6584.5
7.5°	4846.9	4974.9	5212.7	5523.6	5871.1	6209.5	6438.1	6675.9	6712.5	6758.2	6822.2
10°	4124.4	4179.3	4343.9	4664.0	5285.9	5953.4	6511.3	6886.2	7041.7	7133.2	7197.2
12.5°	4243.3	4206.7	4179.3	4225.0	4627.4	5487.0	6465.6	7188.0	7480.7	7581.3	7663.6
15°	4526.8	4490.2	4389.6	4261.6	4307.3	4993.2	6310.1	7471.5	7937.9	8102.5	8276.3
17.5°	4691.4	4654.8	4572.5	4435.4	4316.5	4581.7	6017.5	7727.6	8660.4	8861.6	9108.5
20°	4782.9	4746.3	4664.0	4526.8	4389.6	4426.2	5642.5	8047.7	9483.4	9803.5	10169.3
22.5°	4801.2	4755.4	4664.0	4526.8	4444.5	4417.1	5285.9	8239.7	10370.5	10864.3	11285.0
25°	4792.0	4709.7	4590.8	4490.2	4444.5	4435.4	5038.9	8349.5	11330.7	12117.2	12592.8
27.5°	4728.0	4627.4	4508.5	4435.4	4417.1	4471.9	4929.2	8477.5	12455.6	13461.5	14220.6
30°	4654.8	4508.5	4362.2	4334.8	4380.5	4554.2	5020.6	8523.2	13635.3	14924.8	15702.1
32.5°	4462.8	4353.1	4206.7	4197.6	4307.3	4618.3	5231.0	8459.2	14677.8	16388.0	17366.5
35°	4188.4	4124.4	4042.1	4069.6	4243.3	4673.1	5377.3	8258.0	15628.9	17750.6	18893.7
37.5°	3703.8	3749.5	3795.2	3859.2	4078.7	4664.0	5441.3	7937.9	16415.4	18838.8	20302.1
40°	3164.2	3319.7	3466.0	3630.6	3923.2	4590.8	5459.6	7544.7	16872.7	19661.9	21554.9
42.5°	2825.8	2972.1	3155.0	3392.8	3712.9	4426.2	5441.3	7105.7	17019.0	20228.9	22350.6
45°	2514.9	2688.7	2917.3	3164.2	3530.0	4188.4	5276.7	6630.2	17092.1	20494.1	22688.9
47.5°	2350.3	2450.9	2661.2	2908.1	3292.2	3895.8	4956.6	6282.7	16982.4	20549.0	23100.5
50°	2158.2	2295.4	2432.6	2670.4	3045.3	3530.0	4572.5	6081.5	17165.3	21088.5	23749.8
52.5°	2011.9	2085.1	2231.4	2450.9	2725.2	3191.6	4206.7	5916.9	17668.3	21637.2	24426.5
55°	1902.2	1984.5	2075.9	2258.8	2469.2	2853.3	3831.8	5669.9	18253.6	22222.5	25103.2
57.5°	1728.4	1783.3	1911.3	2103.4	2240.5	2524.0	3392.8	5377.3	18207.8	21765.3	23932.7
60°	*1573.0*	*1627.8*	*1765.0*	*1957.0*	*2039.4*	*2231.4*	*2963.0*	*5002.4*	*17329.9*	*20274.6*	*21774.4*
62.5°	1399.2	1463.2	1627.8	1765.0	1838.2	1984.5	2514.9	4316.5	15500.9	18034.1	19250.4
65°	1326.0	1362.6	1472.4	1637.0	1627.8	1765.0	2121.7	3392.8	12473.9	13781.6	14888.2
67.5°	1408.3	1463.2	1444.9	1490.6	1463.2	1536.4	1902.2	2725.2	9803.5	10379.7	11019.8
70°	1390.1	1518.1	1582.1	1490.6	1280.3	1362.6	1646.1	2176.5	7014.3	6959.4	6932.0
72.5°	1216.3	1344.3	1527.2	1618.7	1252.9	1134.0	1426.6	1883.9	4499.4	4481.1	4051.3
75°	1033.4	1124.8	1344.3	1463.2	1079.1	914.5	1225.4	1600.4	2688.7	2725.2	2432.6
77.5°	951.1	905.4	1124.8	1289.5	877.9	704.2	987.7	1207.1	1481.5	1499.8	1390.1
80°	685.9	658.4	841.3	941.9	667.6	503.0	557.8	749.9	795.6	713.3	740.8
82.5°	439.0	448.1	503.0	603.6	411.5	274.4	384.1	503.0	429.8	347.5	411.5
85°	283.5	320.1	265.2	310.9	128.0	128.0	164.6	219.5	146.3	100.6	109.7
87.5°	0.0	0.0	18.3	36.6	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

REPORT NUMBER: P1501395
CATALOG NUMBER: GSS-SB6C-727-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	6456.4	6456.4	*6456.4*	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4	6456.4
2.5°	6483.9	6474.7	*6474.7*	6493.0	6538.7	6557.0	6584.5	6575.3	6602.7	6584.5
5°	6611.9	6621.0	*6648.5*	6657.6	6685.0	6721.6	6730.8	6721.6	6739.9	6739.9
7.5°	6867.9	6904.5	*6886.2*	6932.0	6895.4	6849.7	6776.5	6721.6	6675.9	6694.2
10°	7297.8	7279.5	*7270.3*	7188.0	7023.4	6785.6	6593.6	6383.3	6346.7	6310.1
12.5°	7773.3	7755.0	*7755.0*	7471.5	7005.1	6511.3	6072.3	5743.1	5633.4	5624.2
15°	8440.9	8322.0	*8212.3*	7617.8	6685.0	5843.7	5331.6	5075.5	5011.5	5011.5
17.5°	9273.1	8962.2	*8779.3*	7508.1	6163.8	5404.7	5103.0	5038.9	5020.6	5066.4
20°	10306.5	9520.0	*9254.8*	7261.2	5971.7	5459.6	5313.3	5322.4	5331.6	5395.6
22.5°	11440.5	10032.1	*9593.2*	7261.2	6163.8	5807.1	5734.0	5834.6	5862.0	5916.9
25°	12702.5	10489.4	*9895.0*	7645.3	6730.8	6465.6	6374.1	6474.7	6547.9	6639.3
27.5°	14120.0	10964.9	*10416.2*	8340.3	7462.4	7297.8	7197.2	7242.9	7343.5	7453.2
30°	15391.2	11760.6	*11211.9*	9401.1	8459.2	8258.0	8084.2	8157.4	8267.1	8340.3
32.5°	16516.0	12729.9	*12263.5*	10516.8	9602.3	9254.8	9062.8	9044.5	9264.0	9209.1
35°	17549.4	13873.1	*13425.0*	11788.0	10763.8	10333.9	10077.9	10407.1	10260.8	10315.6
37.5°	18363.3	15061.9	*14705.3*	13004.3	11970.9	11385.6	11230.1	11632.5	11861.2	11925.2
40°	19030.9	16095.3	*15720.4*	14211.4	13077.5	12647.6	12894.6	13562.1	13534.7	13507.3
42.5°	19543.0	16982.4	*16570.9*	15125.9	14138.3	14220.6	14412.6	14860.7	14970.5	14815.0
45°	19771.6	17540.2	*17211.0*	15848.4	15345.4	15821.0	15903.3	16095.3	16022.2	15921.6
47.5°	20036.9	18034.1	*17686.6*	16506.9	16653.2	17119.6	16955.0	16799.5	16534.3	16378.8
50°	20485.0	18619.4	*18326.7*	17467.1	17997.5	17842.0	17201.9	16854.4	16314.8	16131.9
52.5°	21335.5	19725.9	*19506.4*	18985.2	18628.5	17732.3	16955.0	16333.1	15729.5	15482.6
55°	22094.5	21225.7	*21097.7*	20402.7	18436.5	17156.2	16113.6	15153.4	14120.0	13909.7
57.5°	22533.5	23713.2	*23859.5*	21006.2	17558.5	15848.4	14312.0	12775.7	11797.1	11623.4
60°	*21225.7*	*26401.8*	*26475.0*	*20887.3*	*15976.4*	*13489.0*	*11147.8*	*10059.6*	*9007.9*	*8706.1*
62.5°	19424.1	25844.0	*25780.0*	20174.0	12720.8	9840.1	8468.3	7956.2	7142.3	6895.4
65°	16698.9	21527.5	*21600.7*	17430.5	8459.2	7114.9	7114.9	6465.6	5560.2	5386.4
67.5°	13607.9	16598.3	*16433.7*	11303.3	5194.4	5697.4	5971.7	5038.9	3767.8	3557.4
70°	8843.3	12675.1	*12446.4*	6520.4	3264.8	4746.3	4700.6	3786.1	2697.8	2551.5
72.5°	3804.4	7325.2	*7791.6*	3328.8	2460.0	3822.6	3749.5	2652.1	1801.6	1737.6
75°	2295.4	3685.5	*4014.7*	2121.7	1792.4	2880.7	2597.2	1682.7	1225.4	1179.7
77.5°	1454.1	2021.1	*2002.8*	1591.2	1344.3	1947.9	1746.7	1161.4	832.2	795.6
80°	841.3	996.8	*1033.4*	996.8	905.4	1390.1	1115.7	841.3	649.3	603.6
82.5°	539.6	621.9	*631.0*	484.7	503.0	896.2	603.6	493.8	374.9	338.4
85°	237.8	265.2	*256.1*	164.6	164.6	365.8	210.3	201.2	146.3	146.3
87.5°	9.1	18.3	*9.1*	9.1	9.1	36.6	18.3	27.4	27.4	27.4
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

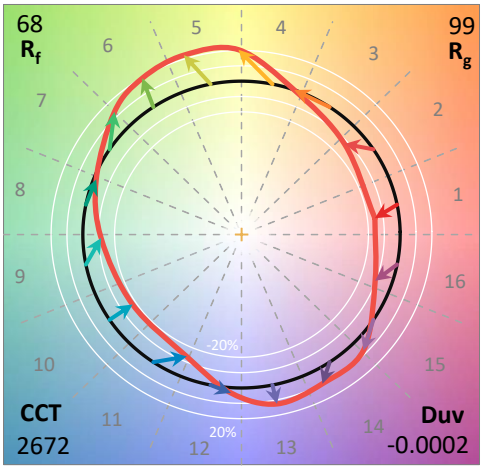
Test Information

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

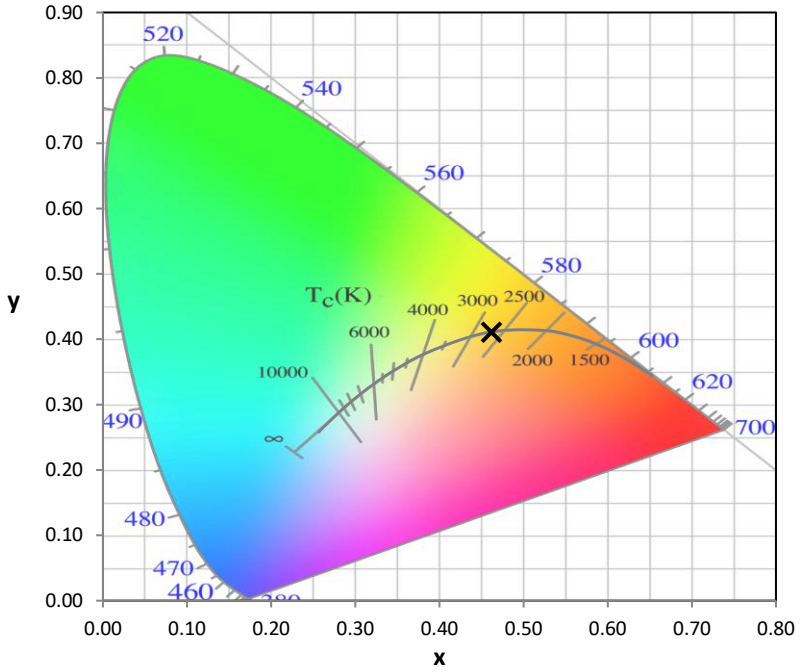
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

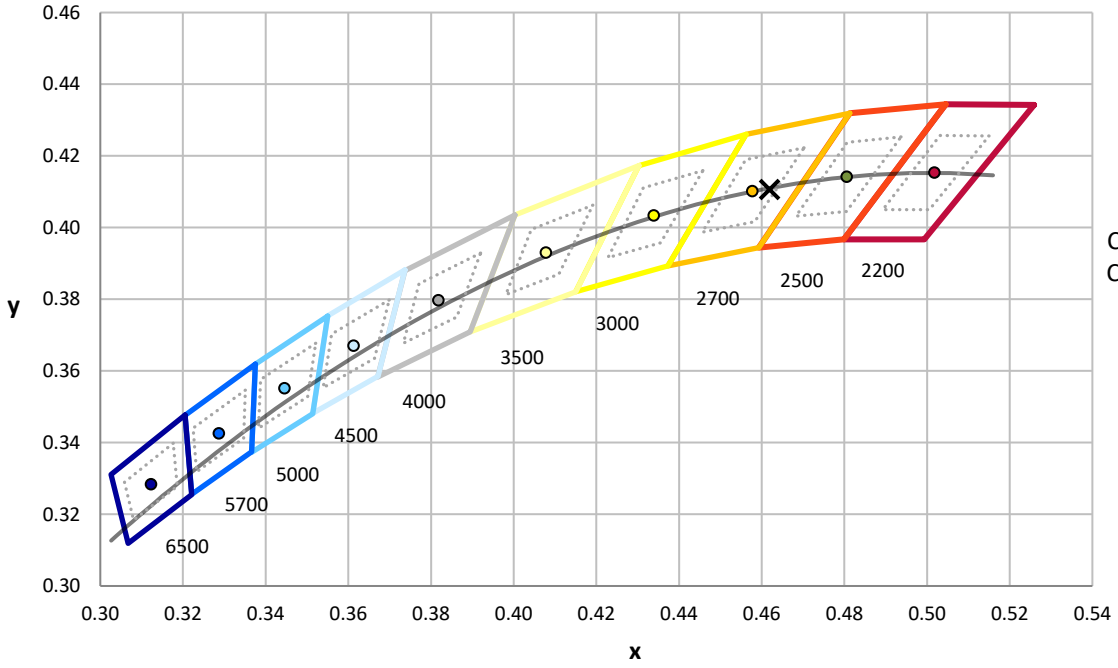
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

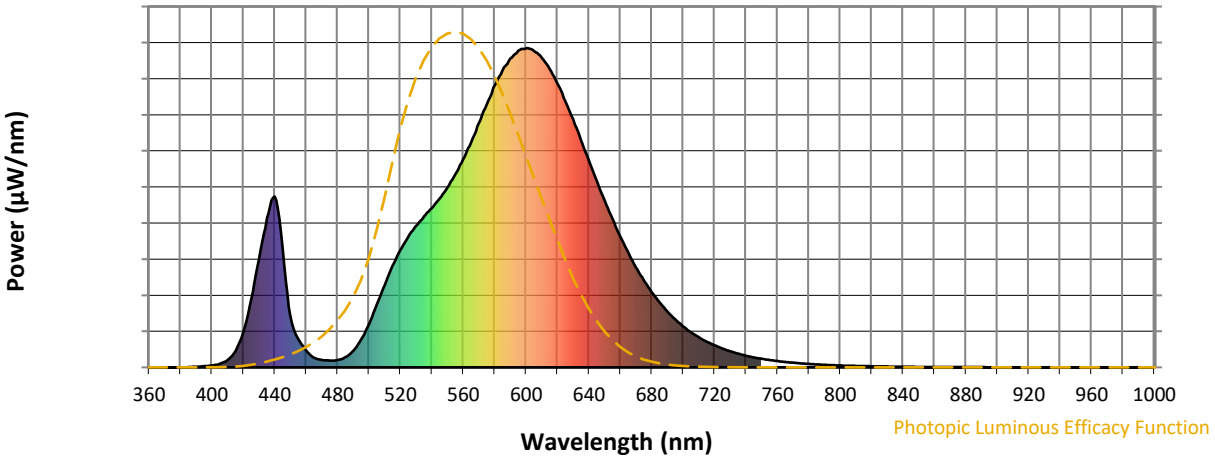


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

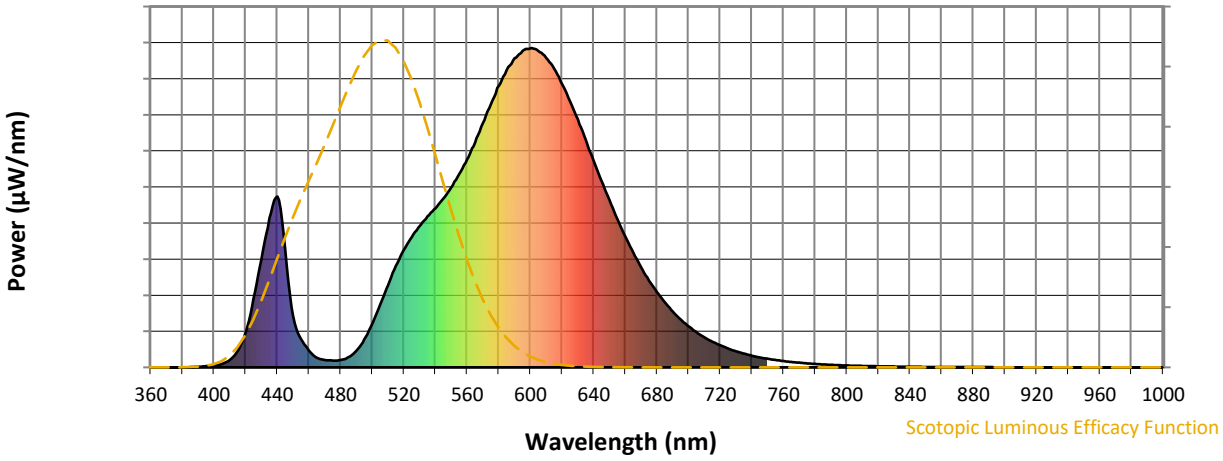


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength

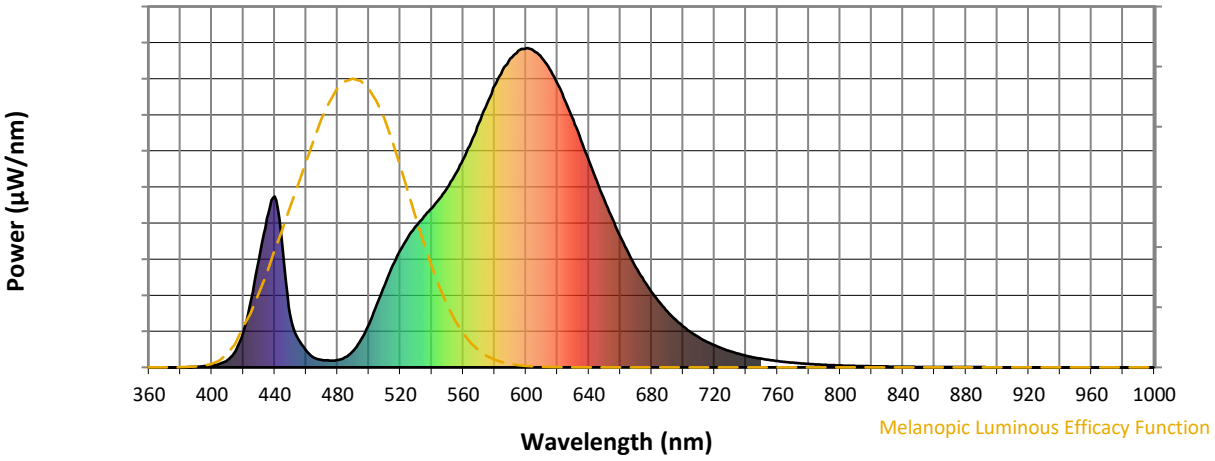


Scotopic Lumens: NR **S/P: 1.02**

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			

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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			

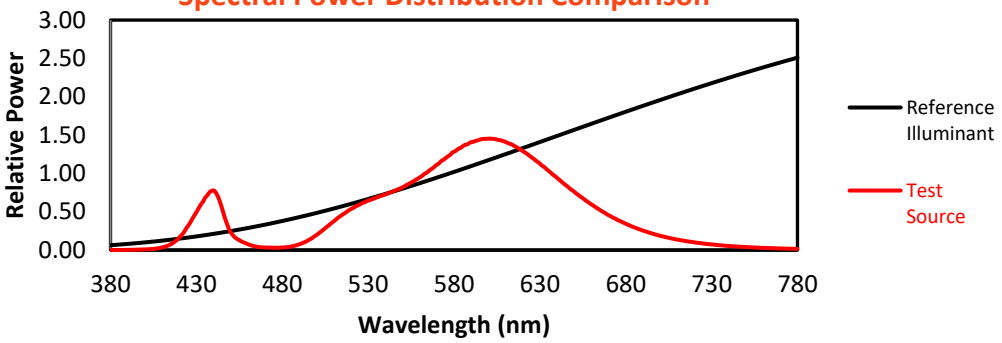
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TM-30-18

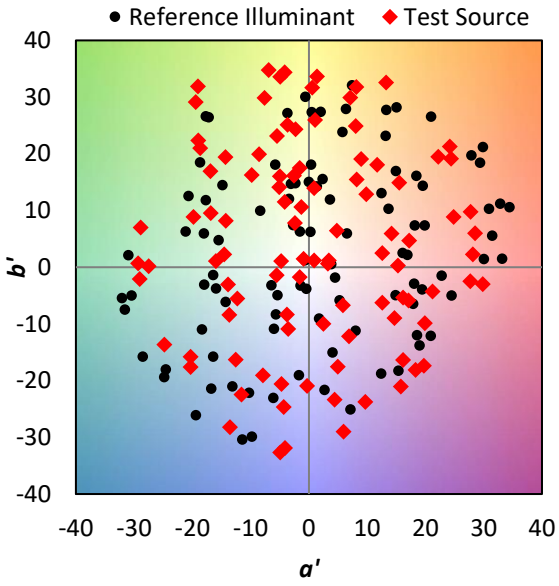
Summary

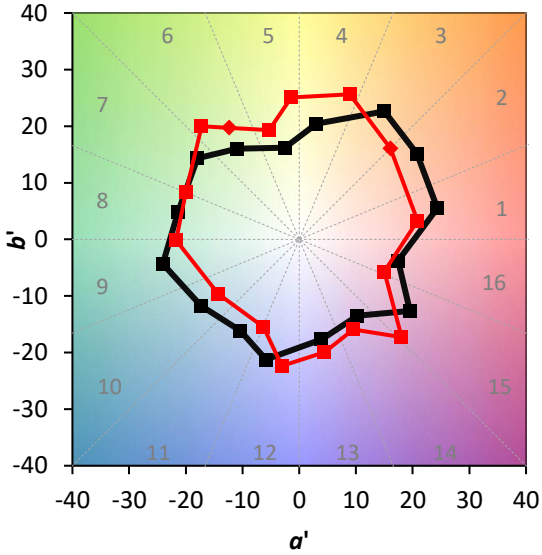
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

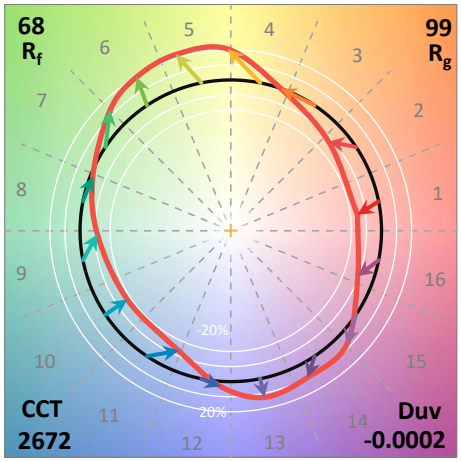
Spectral Power Distribution Comparison

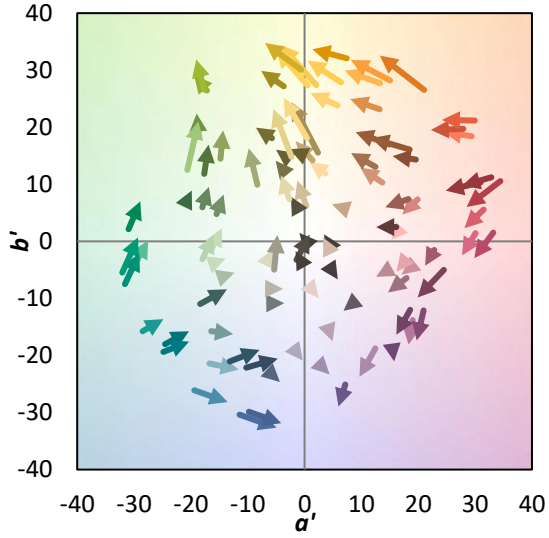


Color Vector Graphics







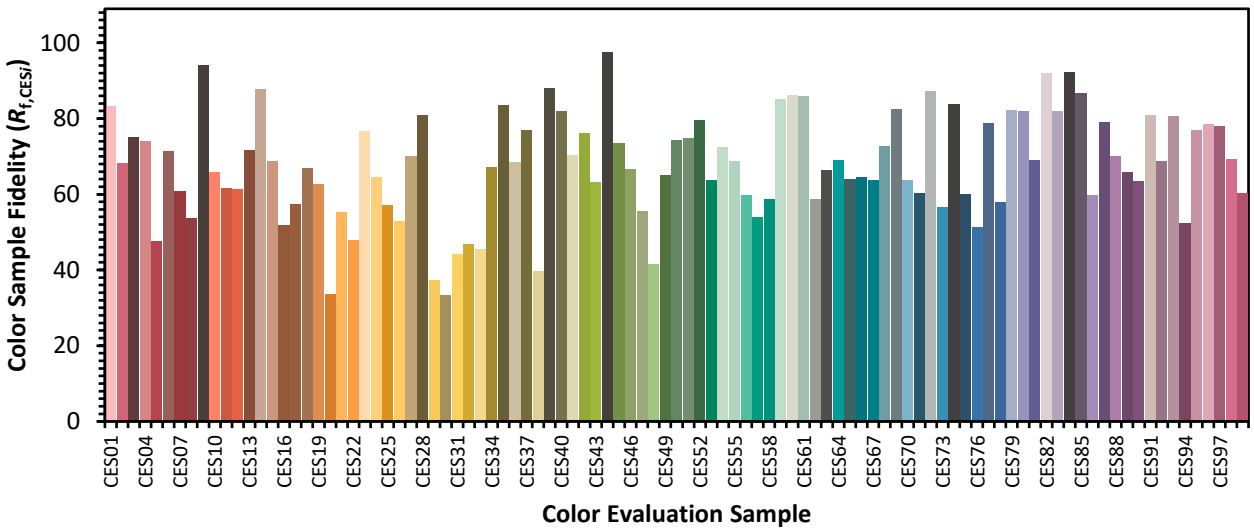


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Individual Sample Fidelity Index ($R_{f,i}$)

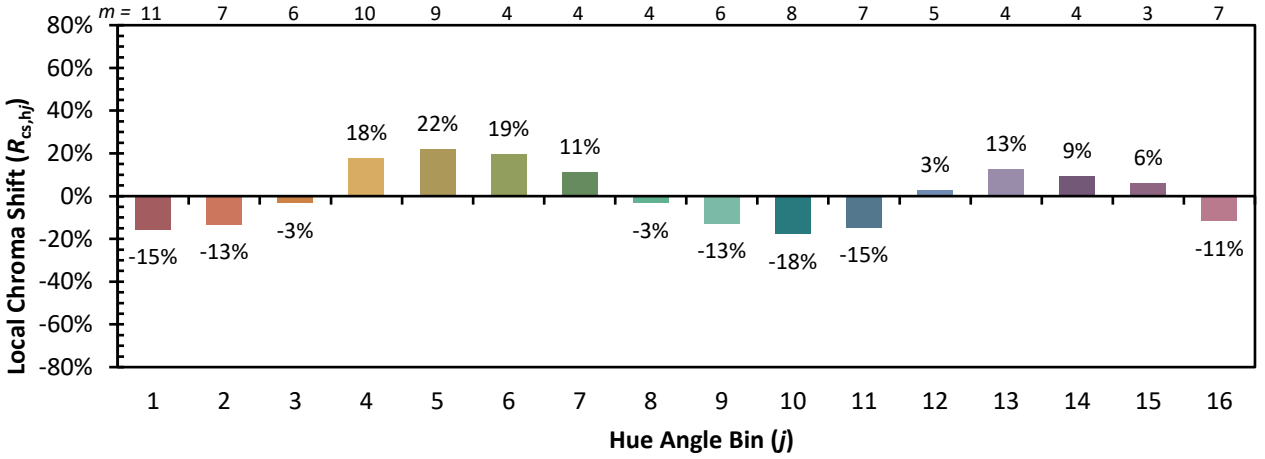
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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	

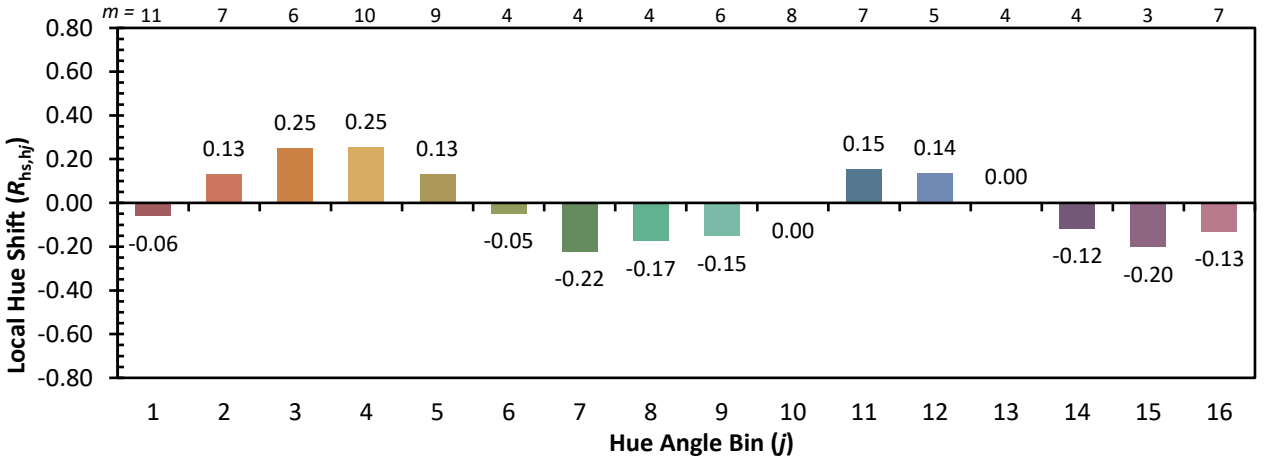


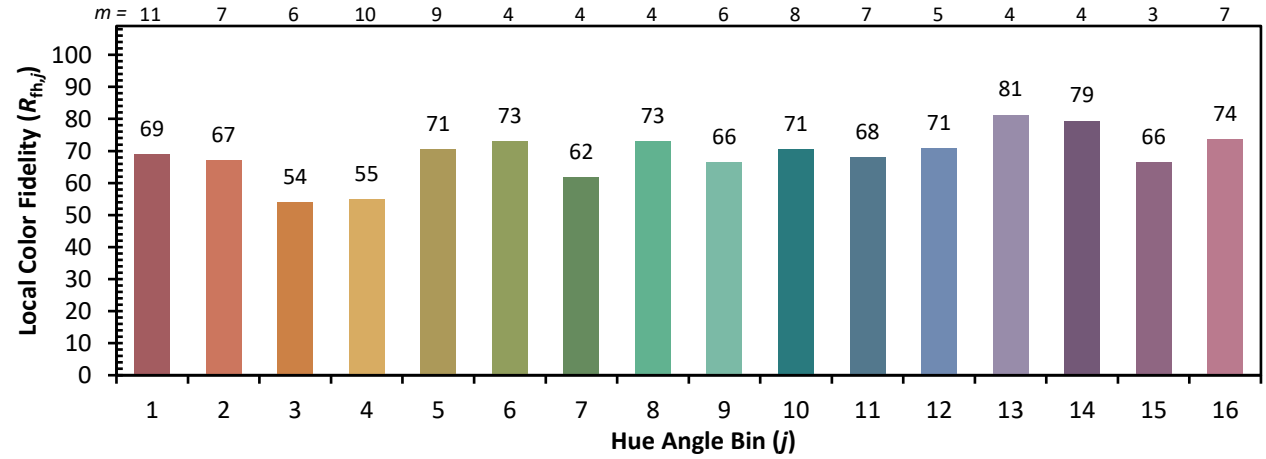
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Color Rendition by Hue-Angle Bin



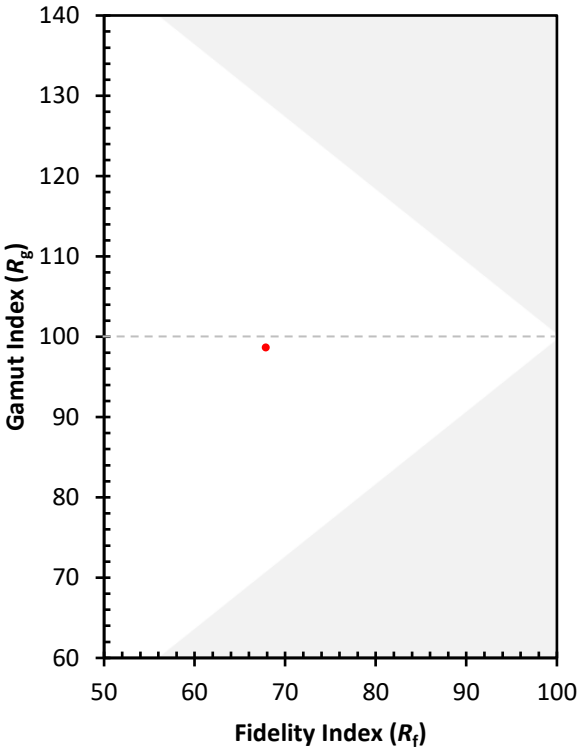


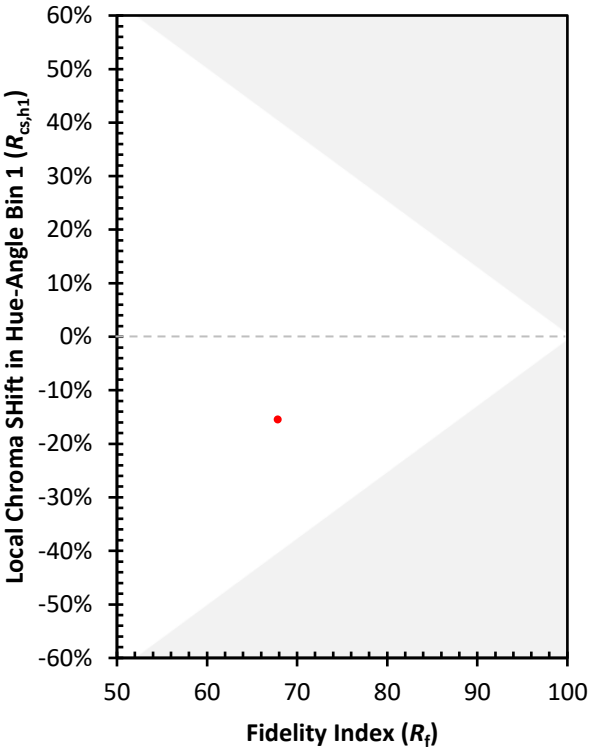


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Measure Comparisons





(END OF REPORT)