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: P1501587

Luminaire Tested: GSS-SB6C-840-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501587
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-840-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	41363.5 lumens
Efficiency:	N/A
Efficacy:	137.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

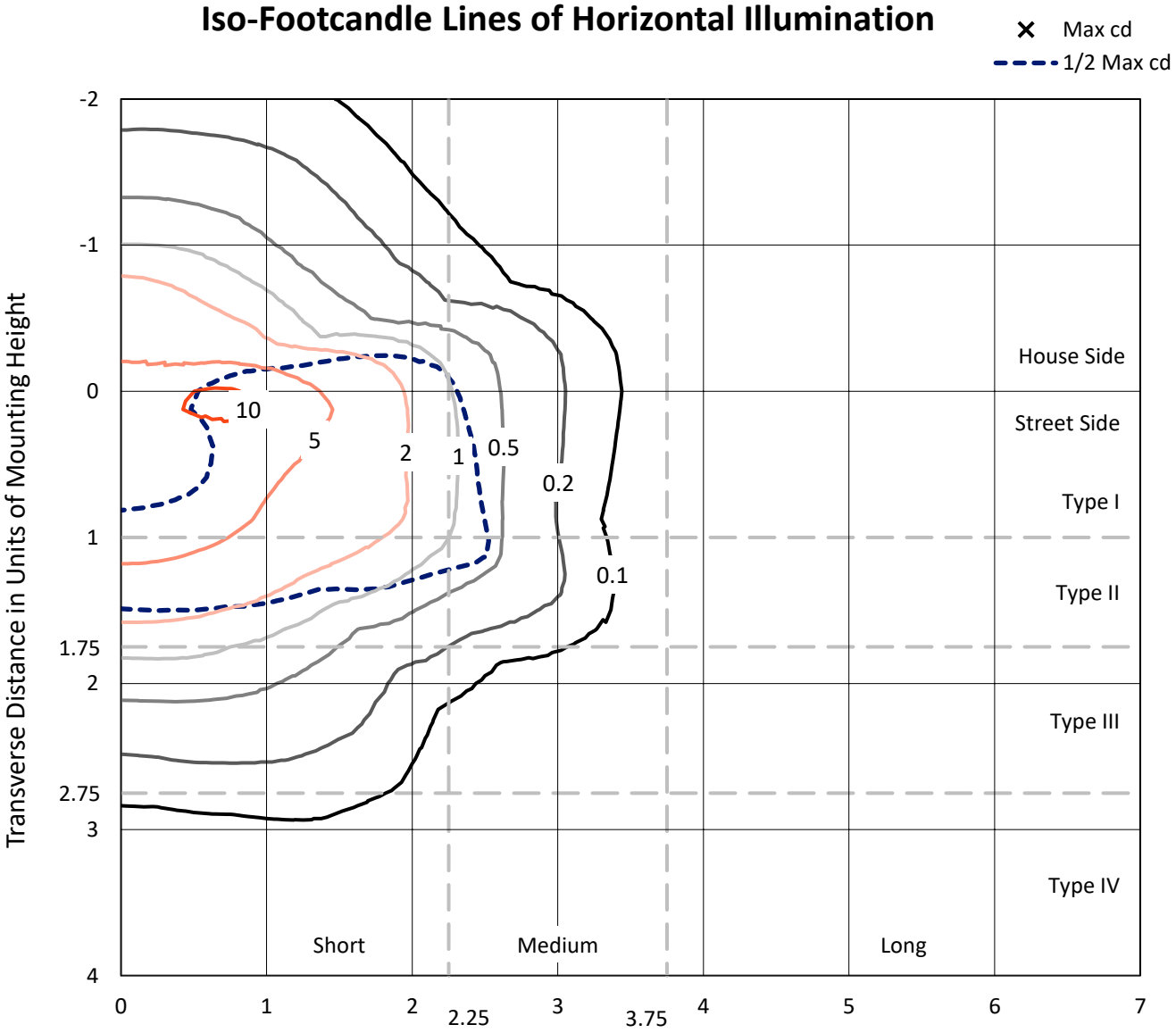
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



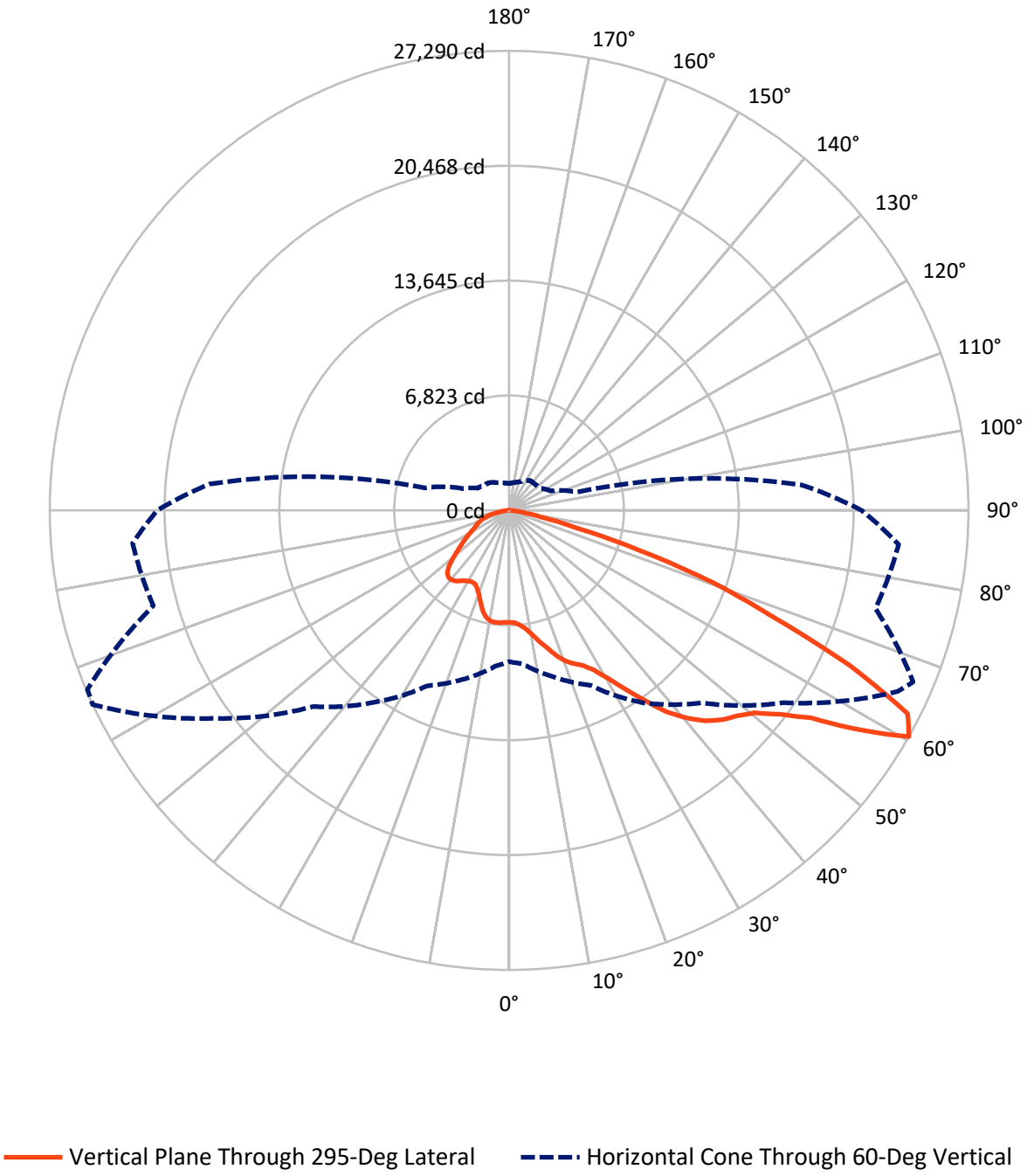
Based on 30 foot mounting height. Maximum calculated value = 11.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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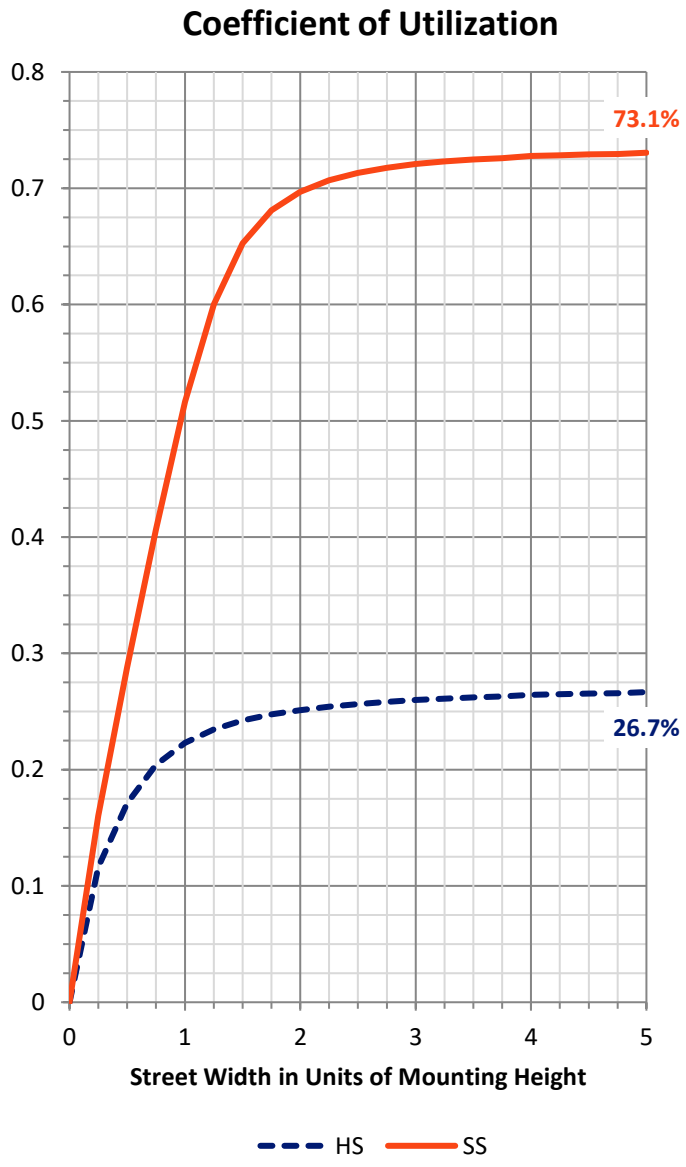
REPORT NUMBER: P1501587
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11123.2	0.0	11123.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	30240.3	0.0	30240.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	41363.5	0.0	41363.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.8	1.5
10°-20°	1798.8	4.3
20°-30°	3407.3	8.2
30°-40°	6006.8	14.5
40°-50°	8883.4	21.5
50°-60°	10431.6	25.2
60°-70°	7558.1	18.3
70°-80°	2330.9	5.6
80°-90°	320.9	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°	41363.5	100.0
0°-180°	41363.5	100.0



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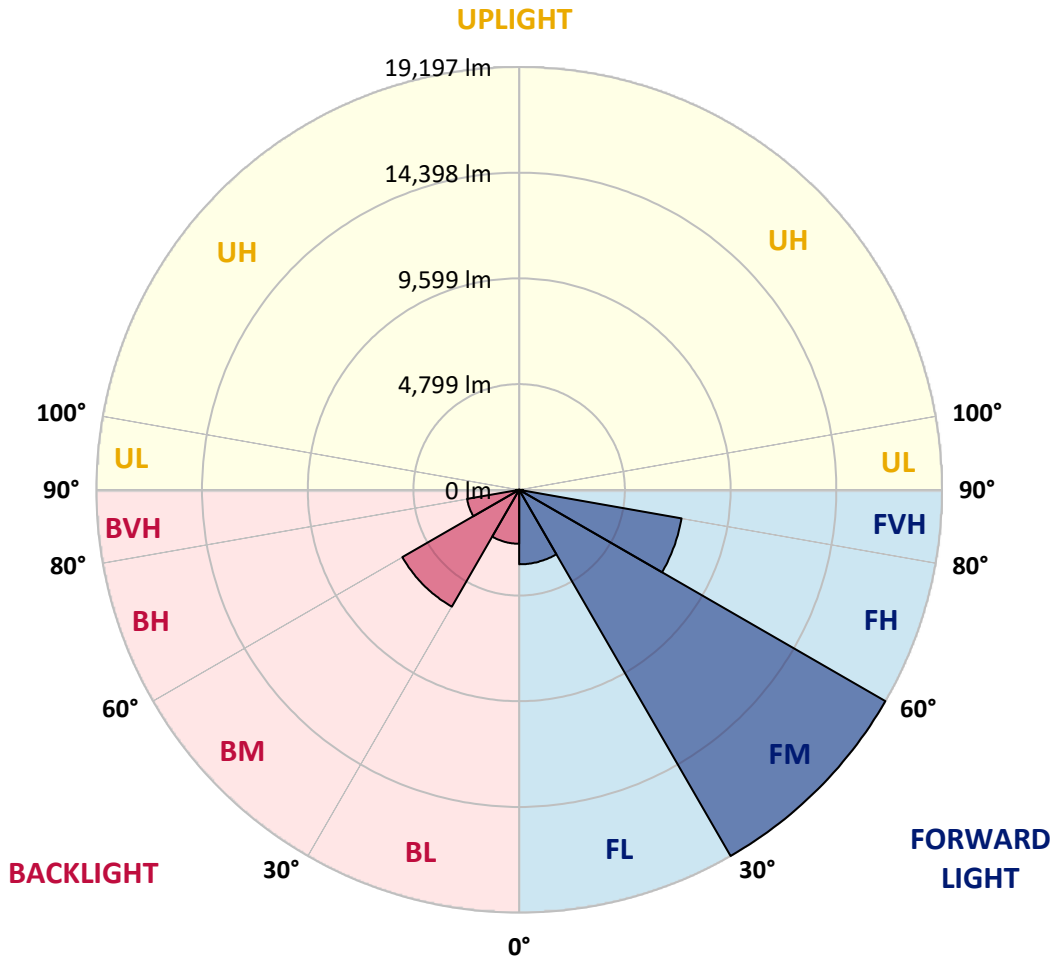
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3382.1	8.2			
FM	(30°-60°)	19197.1	46.4			
FH	(60°-80°)	7488.1	18.1			G3/7500
FVH	(80°-90°)	173.1	0.4			G2/225
BL	(0°-30°)	2449.7	5.9	B3/2500		
BM	(30°-60°)	6124.7	14.8	B4/8500		
BH	(60°-80°)	2400.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	147.8	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°	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2
2.5°	6787.2	6806.0	6777.7	6796.6	6796.6	6768.3	6758.9	6721.2	6740.0	6730.6	6721.2
5°	6947.4	6956.8	6938.0	6966.3	6966.3	6975.7	6966.3	6919.1	6919.1	6919.1	6900.3
7.5°	6900.3	6900.3	6909.7	7004.0	7098.2	7220.8	7220.8	7201.9	7220.8	7211.4	7126.5
10°	6504.4	6542.1	6626.9	6862.6	7088.8	7352.8	7531.9	7588.4	7588.4	7597.9	7456.5
12.5°	5797.4	5825.7	6023.6	6381.8	6853.2	7333.9	7767.5	8050.3	8078.6	8125.7	7937.2
15°	5165.8	5184.6	5326.0	5693.7	6231.0	7079.4	7899.5	8484.0	8578.2	8776.2	8493.4
17.5°	5222.3	5212.9	5250.6	5392.0	5778.5	6664.6	7871.2	8993.0	9162.7	9511.5	9266.4
20°	5561.7	5561.7	5590.0	5618.3	5759.7	6363.0	7663.8	9407.8	9737.7	10416.4	10133.6
22.5°	6099.0	6099.0	6089.6	6136.7	6136.7	6494.9	7673.3	9718.8	10209.0	11425.1	11151.7
25°	6843.7	6806.0	6806.0	6824.9	6740.0	6994.6	7908.9	10039.3	10680.4	12622.2	12386.6
27.5°	7682.7	7711.0	7692.1	7626.1	7513.0	7711.0	8474.5	10539.0	11208.3	13885.4	13791.1
30°	8597.1	8606.5	8625.4	8587.7	8493.4	8634.8	9360.6	11293.1	11905.8	15205.1	15412.5
32.5°	9492.6	9624.6	9577.4	9483.2	9520.9	9775.4	10454.1	12311.2	12942.7	16430.6	17165.9
35°	10633.2	10680.4	10868.9	10520.1	10529.5	10963.2	11849.3	13649.7	14262.5	17703.2	18919.2
37.5°	12292.3	12377.2	12292.3	11745.6	11660.7	12264.0	13206.7	14969.5	15412.5	18664.7	20550.0
40°	13923.1	14026.8	14168.2	13527.2	12989.9	13489.5	14488.7	15978.1	16440.0	19192.6	21634.1
42.5°	15271.1	15440.8	15290.0	15101.4	14611.3	14705.5	15384.2	16760.5	17222.4	19861.9	22727.6
45°	16411.7	16440.0	16506.0	16374.0	16128.9	16044.1	16147.8	17448.7	17957.7	20163.5	23264.9
47.5°	16883.1	17005.6	17062.2	17288.4	17542.9	17373.3	16798.2	17769.2	18231.1	20144.7	23434.6
50°	16628.6	16751.1	17052.8	17590.1	18202.8	18504.5	17561.8	18212.2	18730.7	20484.0	23783.4
52.5°	15959.3	16091.2	16581.4	17194.2	18221.7	18909.8	18636.4	19136.0	19635.6	21087.3	24367.8
55°	14337.9	14535.8	15224.0	16242.1	17656.1	18693.0	19767.6	20493.5	21040.2	21813.2	24971.1
57.5°	11981.2	12188.6	12961.6	14488.7	16609.7	17797.5	20097.6	23038.7	23283.8	22680.4	25027.7
60°	*8974.1*	*9143.8*	*10237.3*	*11462.8*	*13951.4*	*16157.2*	*19909.0*	*25451.9*	*26074.0*	*22529.6*	*23227.2*
62.5°	7107.7	7315.1	8286.0	8851.6	10633.2	13348.1	19249.2	26121.2	26658.5	21285.3	20719.7
65°	5552.3	5693.7	6598.6	7409.3	7842.9	9115.5	16496.6	22850.1	23330.9	19258.6	17099.9
67.5°	3667.0	3883.8	4958.4	6070.7	6297.0	5797.4	11349.7	17580.6	17806.9	15308.8	12857.9
70°	2630.0	2733.7	3535.0	4722.7	5062.1	3883.8	6183.9	13310.4	13376.4	10275.0	8663.1
72.5°	1791.1	1809.9	2403.8	3619.8	4034.6	2818.6	3403.0	8766.8	8540.5	5071.5	4958.4
75°	1216.0	1234.9	1536.5	2413.2	2856.3	1960.7	2215.3	4779.3	4590.8	2799.7	3007.1
77.5°	820.1	839.0	1055.8	1621.4	1904.2	1357.4	1621.4	2526.3	2479.2	1857.0	1612.0
80°	622.2	650.4	782.4	1036.9	1329.2	791.8	923.8	1197.2	1216.0	989.8	820.1
82.5°	348.8	386.5	471.3	527.9	857.8	443.1	443.1	716.4	688.1	612.7	443.1
85°	150.8	160.3	188.5	198.0	348.8	188.5	160.3	311.1	320.5	301.7	141.4
87.5°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	37.7	37.7	37.7	37.7
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°	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2
2.5°	6674.0	6730.6	6674.0	6645.8	6645.8	6598.6	6579.8	6579.8	6513.8	6542.1	6523.2
5°	6824.9	6843.7	6777.7	6692.9	6579.8	6485.5	6353.5	6183.9	6080.2	6070.7	6080.2
7.5°	7060.5	7070.0	6890.9	6702.3	6419.5	6080.2	5674.8	5344.9	5052.7	5005.5	5062.1
10°	7390.5	7371.6	7107.7	6664.6	6070.7	5354.3	4732.2	4430.5	4260.8	4251.4	4242.0
12.5°	7833.5	7711.0	7305.6	6504.4	5467.4	4637.9	4317.4	4298.5	4345.7	4383.4	4392.8
15°	8342.6	8182.3	7465.9	6193.3	4854.7	4374.0	4392.8	4553.1	4609.6	4647.3	4647.3
17.5°	8974.1	8766.8	7645.0	5750.2	4543.6	4430.5	4562.5	4713.3	4807.6	4845.3	4835.9
20°	9813.1	9379.5	7786.4	5326.0	4458.8	4524.8	4637.9	4788.7	4883.0	4930.1	4930.1
22.5°	10652.1	10114.8	7814.7	5033.8	4458.8	4534.2	4637.9	4788.7	4892.4	4939.5	4930.1
25°	11792.7	11057.4	7824.1	4826.4	4468.2	4487.1	4581.3	4713.3	4864.1	4911.3	4930.1
27.5°	13008.7	12094.4	7871.2	4779.3	4430.5	4421.1	4487.1	4609.6	4760.4	4883.0	4892.4
30°	14517.0	13263.3	7890.1	4826.4	4439.9	4317.4	4364.5	4487.1	4647.3	4769.9	4807.6
32.5°	15997.0	14347.3	7852.4	4930.1	4458.8	4251.4	4260.8	4336.2	4505.9	4590.8	4656.8
35°	17561.8	15497.4	7786.4	5071.5	4468.2	4223.1	4138.3	4176.0	4289.1	4298.5	4326.8
37.5°	18787.3	16355.2	7588.4	5260.1	4487.1	4119.4	3949.8	3921.5	3874.3	3780.1	3798.9
40°	19795.9	16930.2	7258.5	5354.3	4439.9	3996.9	3714.1	3582.1	3403.0	3261.6	3289.9
42.5°	20521.8	17316.7	6862.6	5373.2	4364.5	3789.5	3440.7	3214.5	3016.5	2865.7	2875.1
45°	20842.3	17279.0	6438.4	5231.8	4185.4	3535.0	3186.2	2969.4	2752.6	2592.3	2573.5
47.5°	20851.7	16911.4	5853.9	4892.4	3883.8	3242.8	2950.5	2714.9	2535.8	2422.6	2413.2
50°	20927.1	16704.0	5307.2	4402.2	3487.8	2931.7	2743.1	2507.5	2403.8	2243.5	2196.4
52.5°	21398.4	17043.3	4930.1	3864.9	3120.2	2705.4	2564.0	2356.7	2187.0	2083.3	2073.9
55°	22162.0	17627.8	4722.7	3459.6	2771.4	2488.6	2394.4	2215.3	2064.4	1960.7	1932.5
57.5°	22256.2	17929.4	4477.6	3082.5	2488.6	2318.9	2281.2	2083.3	1866.5	1791.1	1762.8
60°	*20936.5*	*17420.4*	*4176.0*	*2733.7*	*2281.2*	*2187.0*	*2168.1*	*1904.2*	*1725.1*	*1630.8*	*1593.1*
62.5°	19136.0	16147.8	3714.1	2413.2	2121.0	2055.0	1979.6	1772.2	1546.0	1442.3	1414.0
65°	15638.8	13574.3	3157.9	2196.4	1960.7	1885.3	1866.5	1583.7	1432.8	1376.3	1366.9
67.5°	11849.3	10906.6	2780.9	2036.1	1791.1	1762.8	1696.8	1602.5	1536.5	1470.6	1451.7
70°	8380.3	7871.2	2366.1	1828.8	1621.4	1574.2	1847.6	1743.9	1508.3	1423.4	1414.0
72.5°	5080.9	4939.5	2045.6	1640.2	1395.1	1470.6	1706.2	1574.2	1357.4	1253.7	1216.0
75°	3205.1	2931.7	1715.6	1395.1	1112.3	1197.2	1489.4	1404.6	1168.9	1065.2	1036.9
77.5°	1743.9	1621.4	1291.4	1140.6	876.7	970.9	1300.9	1159.5	933.2	1018.1	905.0
80°	763.6	848.4	857.8	659.9	584.5	716.4	933.2	905.0	716.4	725.8	603.3
82.5°	367.6	480.8	556.2	452.5	329.9	424.2	622.2	518.5	480.8	452.5	433.6
85°	113.1	179.1	245.1	216.8	150.8	179.1	292.2	282.8	339.4	292.2	273.4
87.5°	37.7	37.7	28.3	28.3	28.3	37.7	47.1	28.3	9.4	9.4	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°	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2
2.5°	6513.8	6523.2	6523.2	6532.6	6532.6	6560.9	6598.6	6636.3	6608.1	6645.8	6655.2
5°	6061.3	6108.4	6146.2	6287.6	6400.7	6494.9	6598.6	6692.9	6721.2	6740.0	6787.2
7.5°	4996.1	5128.1	5373.2	5693.7	6051.9	6400.7	6636.3	6881.4	6919.1	6966.3	7032.3
10°	4251.4	4308.0	4477.6	4807.6	5448.6	6136.7	6711.8	7098.2	7258.5	7352.8	7418.7
12.5°	4374.0	4336.2	4308.0	4355.1	4769.9	5656.0	6664.6	7409.3	7711.0	7814.7	7899.5
15°	4666.2	4628.5	4524.8	4392.8	4439.9	5146.9	6504.4	7701.5	8182.3	8352.0	8531.1
17.5°	4835.9	4798.1	4713.3	4571.9	4449.4	4722.7	6202.7	7965.5	8927.0	9134.4	9388.9
20°	4930.1	4892.4	4807.6	4666.2	4524.8	4562.5	5816.2	8295.4	9775.4	10105.3	10482.4
22.5°	4949.0	4901.8	4807.6	4666.2	4581.3	4553.1	5448.6	8493.4	10689.8	11198.8	11632.4
25°	4939.5	4854.7	4732.2	4628.5	4581.3	4571.9	5194.1	8606.5	11679.6	12490.3	12980.5
27.5°	4873.6	4769.9	4647.3	4571.9	4553.1	4609.6	5080.9	8738.5	12839.1	13876.0	14658.4
30°	4798.1	4647.3	4496.5	4468.2	4515.4	4694.5	5175.2	8785.6	14055.1	15384.2	16185.5
32.5°	4600.2	4487.1	4336.2	4326.8	4439.9	4760.4	5392.0	8719.6	15129.7	16892.5	17901.2
35°	4317.4	4251.4	4166.6	4194.8	4374.0	4817.0	5542.9	8512.2	16110.1	18297.1	19475.4
37.5°	3817.8	3864.9	3912.0	3978.0	4204.3	4807.6	5608.8	8182.3	16920.8	19418.8	20927.1
40°	3261.6	3421.9	3572.7	3742.4	4044.0	4732.2	5627.7	7777.0	17392.1	20267.2	22218.5
42.5°	2912.8	3063.7	3252.2	3497.3	3827.2	4562.5	5608.8	7324.5	17542.9	20851.7	23038.7
45°	2592.3	2771.4	3007.1	3261.6	3638.7	4317.4	5439.2	6834.3	17618.4	21125.1	23387.4
47.5°	2422.6	2526.3	2743.1	2997.7	3393.6	4015.7	5109.2	6476.1	17505.2	21181.6	23811.6
50°	2224.7	2366.1	2507.5	2752.6	3139.1	3638.7	4713.3	6268.7	17693.8	21737.8	24480.9
52.5°	2073.9	2149.3	2300.1	2526.3	2809.1	3289.9	4336.2	6099.0	18212.2	22303.4	25178.5
55°	1960.7	2045.6	2139.8	2328.4	2545.2	2941.1	3949.8	5844.5	18815.5	22906.7	25876.1
57.5°	1781.6	1838.2	1970.2	2168.1	2309.5	2601.7	3497.3	5542.9	18768.4	22435.4	24669.5
60°	*1621.4*	*1677.9*	*1819.3*	*2017.3*	*2102.1*	*2300.1*	*3054.2*	*5156.4*	*17863.4*	*20898.8*	*22444.8*
62.5°	1442.3	1508.3	1677.9	1819.3	1894.8	2045.6	2592.3	4449.4	15978.1	18589.3	19843.0
65°	1366.9	1404.6	1517.7	1687.4	1677.9	1819.3	2187.0	3497.3	12857.9	14205.9	15346.5
67.5°	1451.7	1508.3	1489.4	1536.5	1508.3	1583.7	1960.7	2809.1	10105.3	10699.2	11359.1
70°	1432.8	1564.8	1630.8	1536.5	1319.7	1404.6	1696.8	2243.5	7230.2	7173.7	7145.4
72.5°	1253.7	1385.7	1574.2	1668.5	1291.4	1168.9	1470.6	1941.9	4637.9	4619.0	4176.0
75°	1065.2	1159.5	1385.7	1508.3	1112.3	942.7	1263.2	1649.7	2771.4	2809.1	2507.5
77.5°	980.4	933.2	1159.5	1329.2	905.0	725.8	1018.1	1244.3	1527.1	1546.0	1432.8
80°	707.0	678.7	867.2	970.9	688.1	518.5	575.0	773.0	820.1	735.3	763.6
82.5°	452.5	461.9	518.5	622.2	424.2	282.8	395.9	518.5	443.1	358.2	424.2
85°	292.2	329.9	273.4	320.5	132.0	132.0	169.7	226.2	150.8	103.7	113.1
87.5°	0.0	0.0	18.9	37.7	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: P1501587
CATALOG NUMBER: GSS-SB6C-840-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	6655.2	6655.2	*6655.2*	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2	6655.2
2.5°	6683.5	6674.0	*6674.0*	6692.9	6740.0	6758.9	6787.2	6777.7	6806.0	6787.2
5°	6815.4	6824.9	*6853.2*	6862.6	6890.9	6928.6	6938.0	6928.6	6947.4	6947.4
7.5°	7079.4	7117.1	*7098.2*	7145.4	7107.7	7060.5	6985.1	6928.6	6881.4	6900.3
10°	7522.4	7503.6	*7494.2*	7409.3	7239.6	6994.6	6796.6	6579.8	6542.1	6504.4
12.5°	8012.6	7993.8	*7993.8*	7701.5	7220.8	6711.8	6259.3	5919.9	5806.8	5797.4
15°	8700.8	8578.2	*8465.1*	7852.4	6890.9	6023.6	5495.7	5231.8	5165.8	5165.8
17.5°	9558.6	9238.1	*9049.6*	7739.3	6353.5	5571.1	5260.1	5194.1	5175.2	5222.3
20°	10623.8	9813.1	*9539.7*	7484.7	6155.6	5627.7	5476.9	5486.3	5495.7	5561.7
22.5°	11792.7	10341.0	*9888.5*	7484.7	6353.5	5985.9	5910.5	6014.2	6042.5	6099.0
25°	13093.6	10812.3	*10199.6*	7880.7	6938.0	6664.6	6570.4	6674.0	6749.5	6843.7
27.5°	14554.7	11302.5	*10736.9*	8597.1	7692.1	7522.4	7418.7	7465.9	7569.6	7682.7
30°	15865.0	12122.6	*11557.0*	9690.6	8719.6	8512.2	8333.1	8408.5	8521.7	8597.1
32.5°	17024.5	13121.9	*12641.1*	10840.6	9898.0	9539.7	9341.8	9322.9	9549.2	9492.6
35°	18089.7	14300.2	*13838.3*	12150.9	11095.1	10652.1	10388.1	10727.5	10576.7	10633.2
37.5°	18928.7	15525.6	*15158.0*	13404.7	12339.4	11736.1	11575.9	11990.7	12226.3	12292.3
40°	19616.8	16590.9	*16204.4*	14649.0	13480.1	13037.0	13291.5	13979.7	13951.4	13923.1
42.5°	20144.7	17505.2	*17081.0*	15591.6	14573.6	14658.4	14856.4	15318.3	15431.4	15271.1
45°	20380.4	18080.3	*17740.9*	16336.3	15817.9	16308.1	16392.9	16590.9	16515.4	16411.7
47.5°	20653.7	18589.3	*18231.1*	17015.0	17165.9	17646.6	17477.0	17316.7	17043.3	16883.1
50°	21115.6	19192.6	*18890.9*	18004.8	18551.6	18391.3	17731.5	17373.3	16817.1	16628.6
52.5°	21992.3	20333.2	*20107.0*	19569.7	19202.0	18278.2	17477.0	16835.9	16213.8	15959.3
55°	22774.7	21879.2	*21747.2*	21030.8	19004.1	17684.3	16609.7	15619.9	14554.7	14337.9
57.5°	23227.2	24443.2	*24594.1*	21652.9	18099.1	16336.3	14752.7	13169.0	12160.3	11981.2
60°	*21879.2*	*27214.7*	*27290.1*	*21530.4*	*16468.3*	*13904.3*	*11491.0*	*10369.3*	*9285.2*	*8974.1*
62.5°	20022.1	26639.6	*26573.6*	20795.1	13112.4	10143.0	8729.0	8201.2	7362.2	7107.7
65°	17213.0	22190.3	*22265.7*	17967.1	8719.6	7333.9	7333.9	6664.6	5731.4	5552.3
67.5°	14026.8	17109.3	*16939.6*	11651.3	5354.3	5872.8	6155.6	5194.1	3883.8	3667.0
70°	9115.5	13065.3	*12829.6*	6721.2	3365.3	4892.4	4845.3	3902.6	2780.9	2630.0
72.5°	3921.5	7550.7	*8031.5*	3431.3	2535.8	3940.3	3864.9	2733.7	1857.0	1791.1
75°	2366.1	3798.9	*4138.3*	2187.0	1847.6	2969.4	2677.2	1734.5	1263.2	1216.0
77.5°	1498.8	2083.3	*2064.4*	1640.2	1385.7	2007.9	1800.5	1197.2	857.8	820.1
80°	867.2	1027.5	*1065.2*	1027.5	933.2	1432.8	1150.0	867.2	669.3	622.2
82.5°	556.2	641.0	*650.4*	499.6	518.5	923.8	622.2	509.0	386.5	348.8
85°	245.1	273.4	*263.9*	169.7	169.7	377.1	216.8	207.4	150.8	150.8
87.5°	9.4	18.9	*9.4*	9.4	9.4	37.7	18.9	28.3	28.3	28.3
90°	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

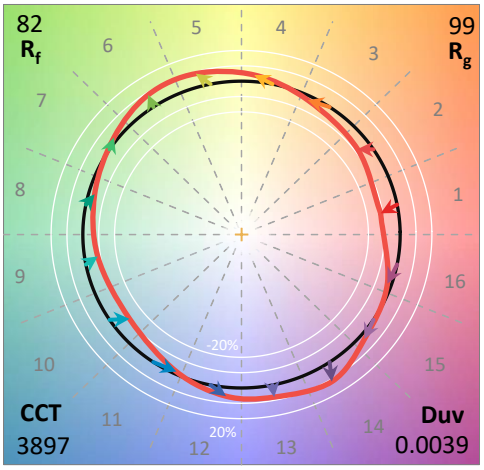
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
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-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

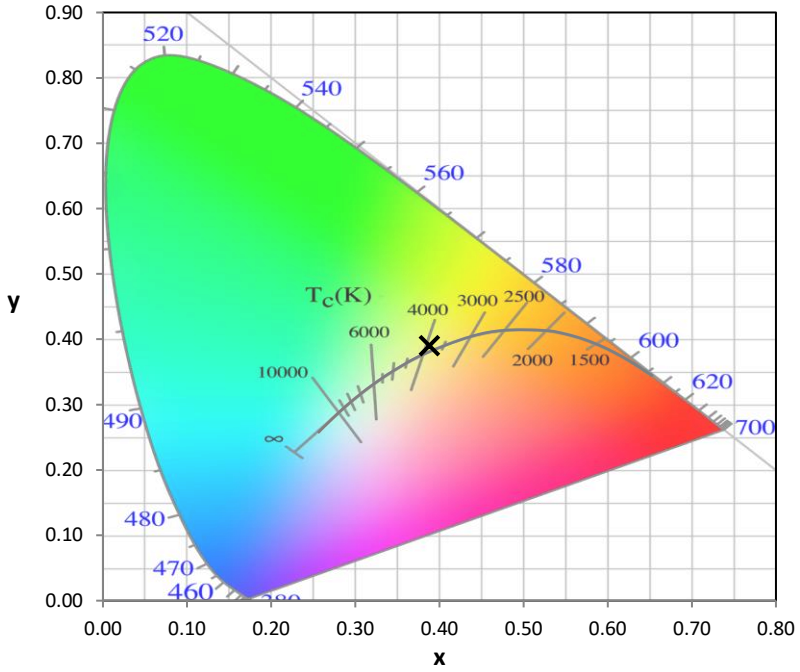
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

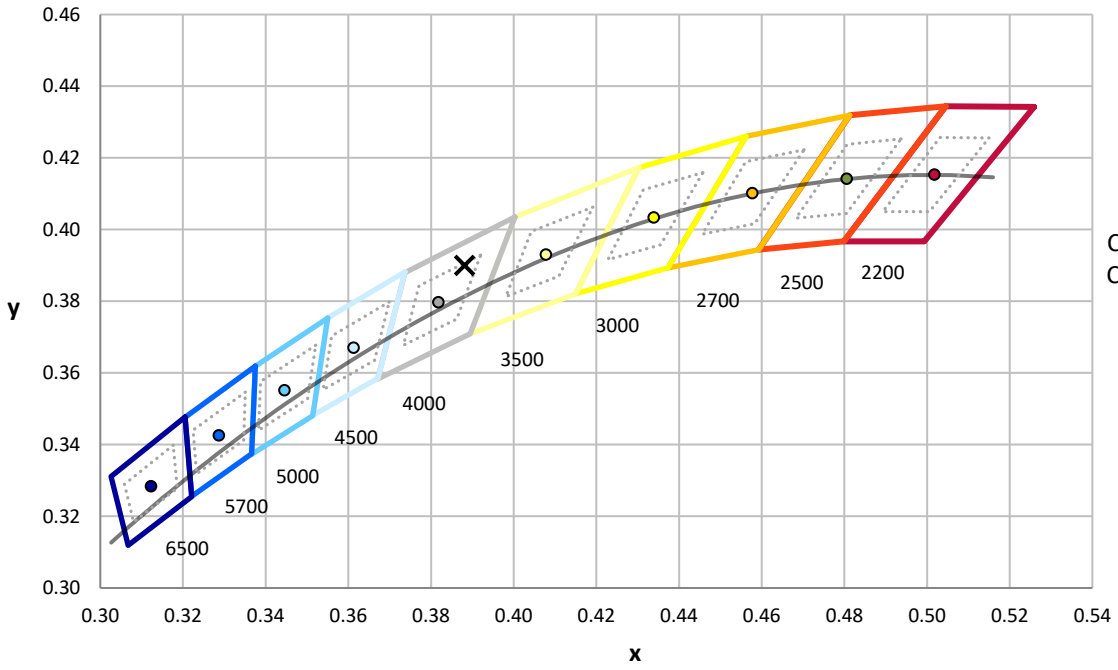
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



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

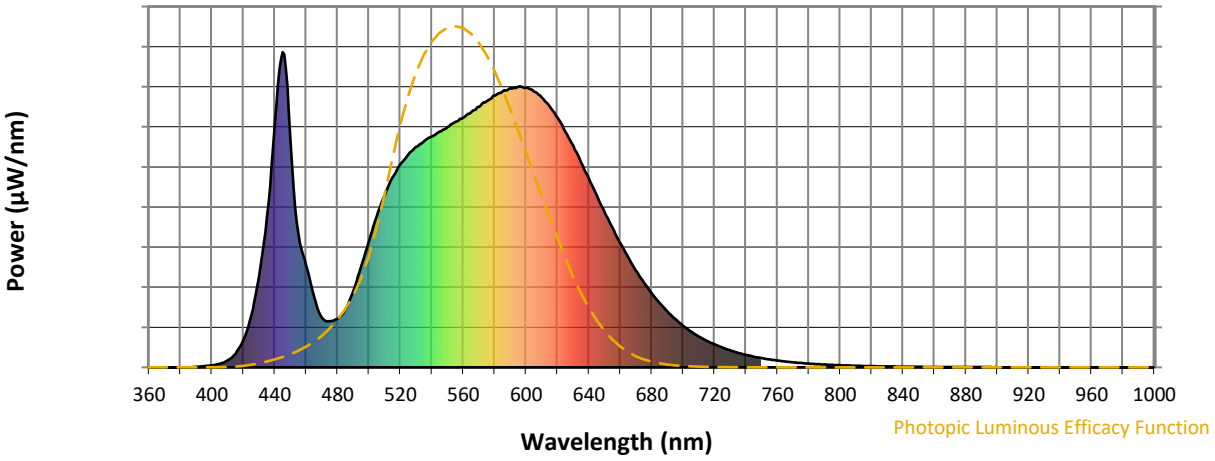


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

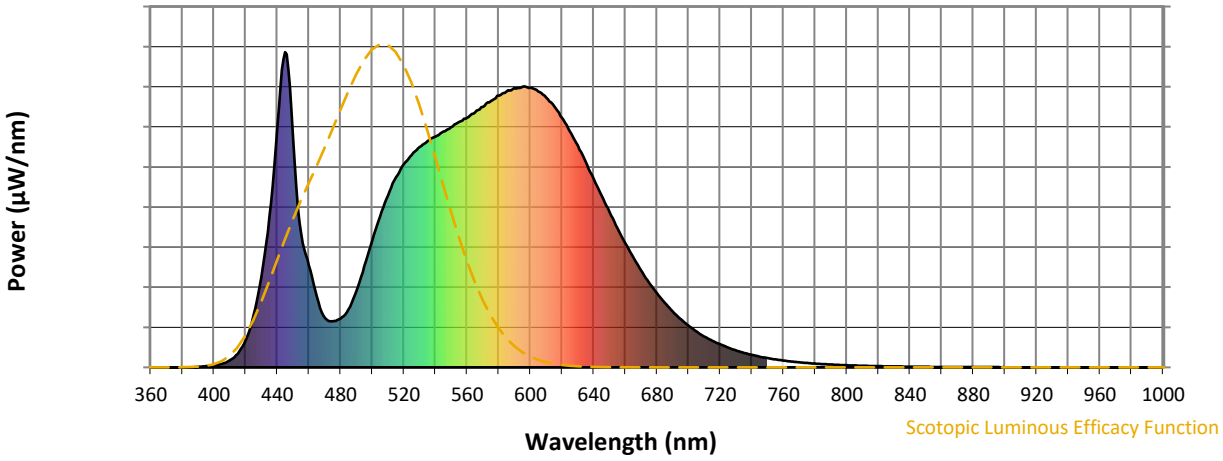


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

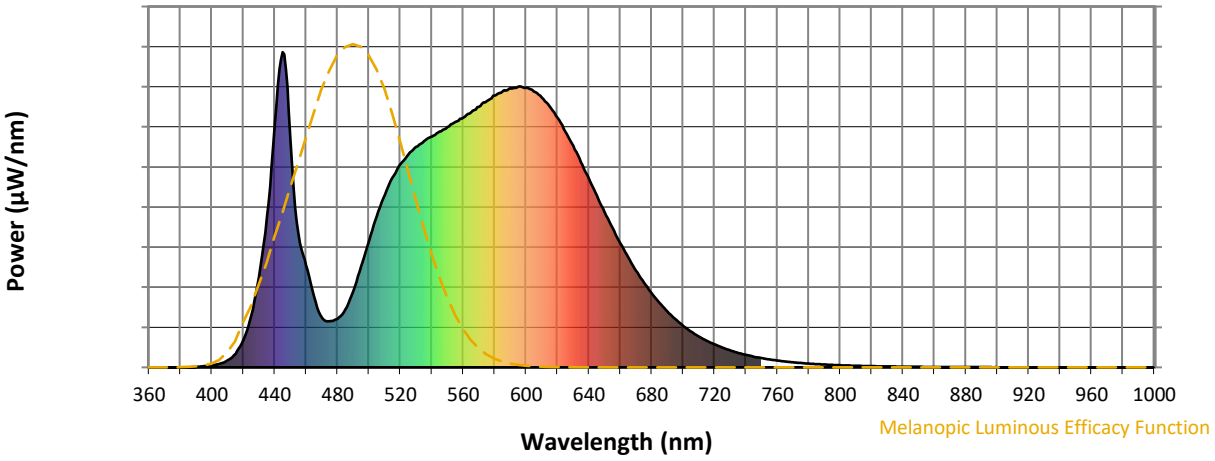


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

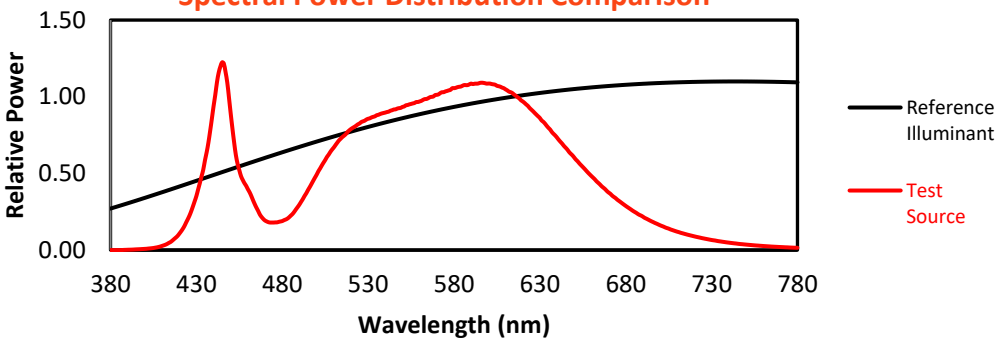
REPORT NUMBER: SP1-2407-184-11

TM-30-18

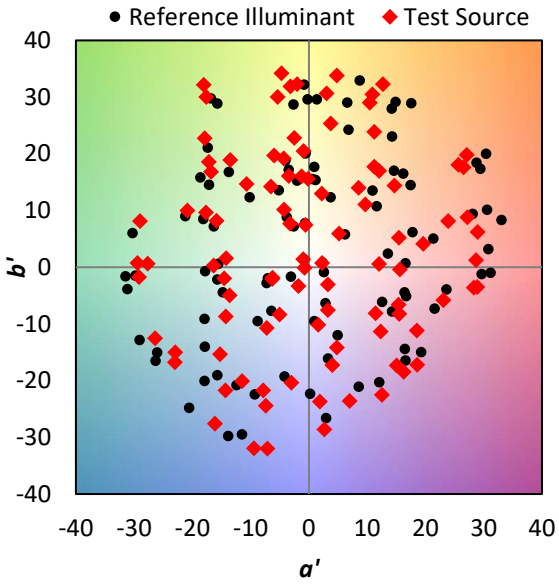
Summary

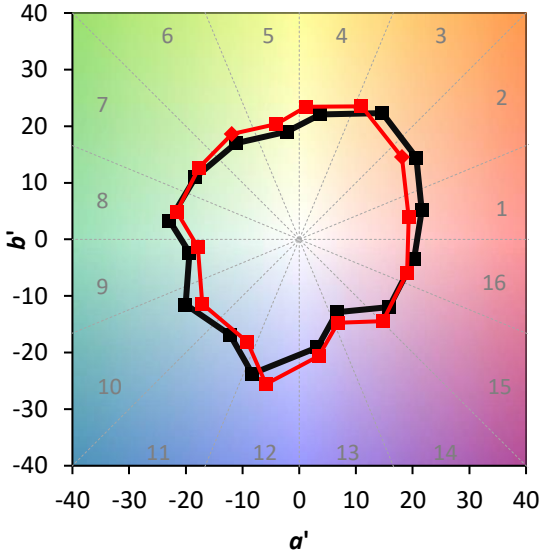
R_f = 81.8
R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

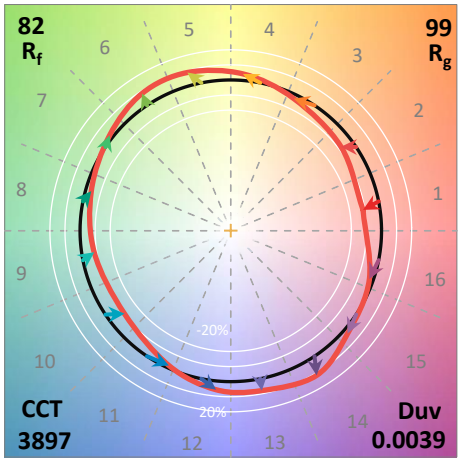
Spectral Power Distribution Comparison

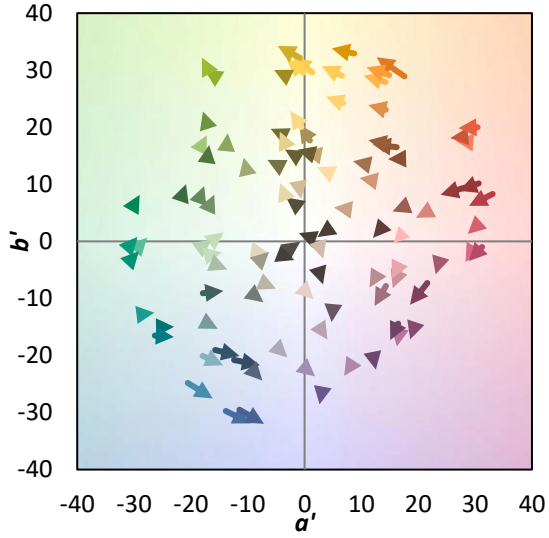


Color Vector Graphics







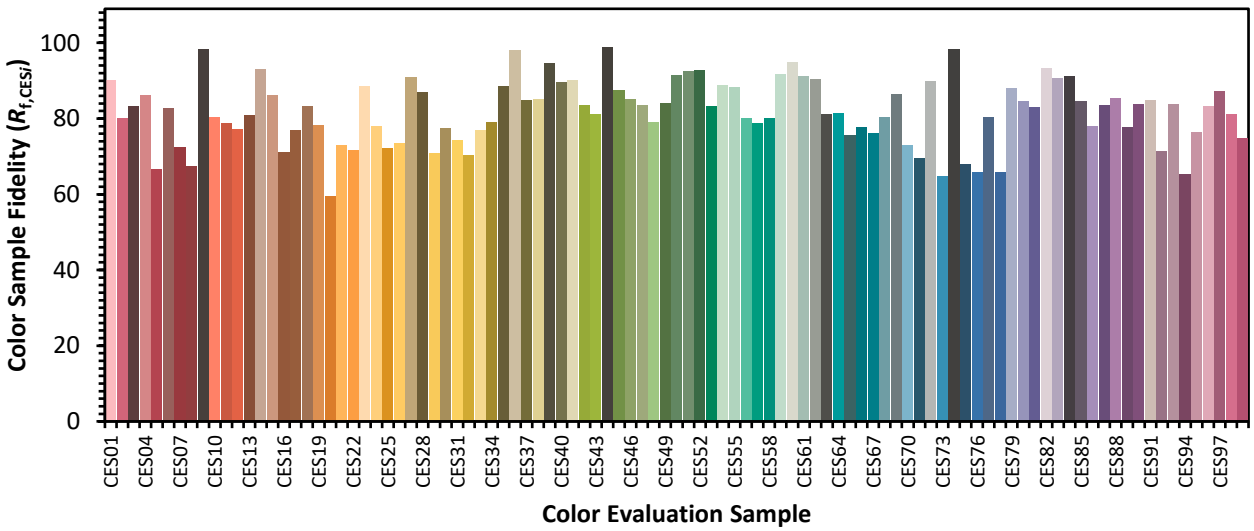


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Individual Sample Fidelity Index ($R_{f,i}$)

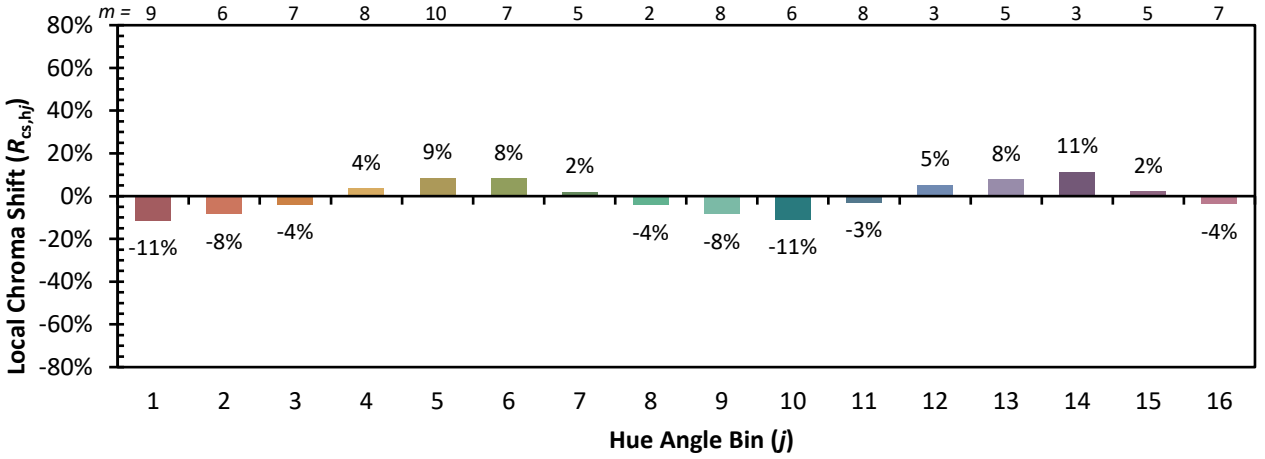
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

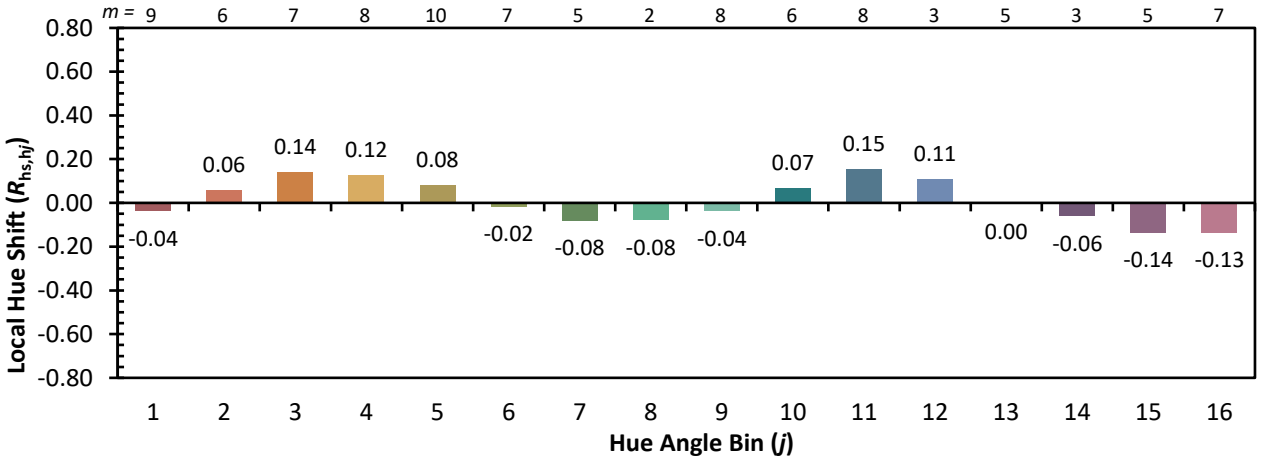


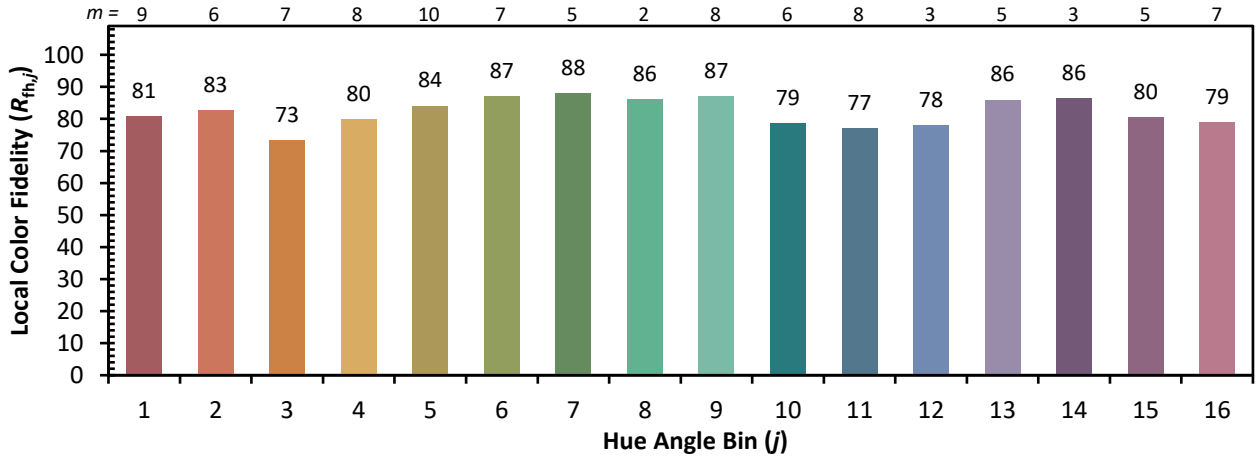
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Color Rendition by Hue-Angle Bin



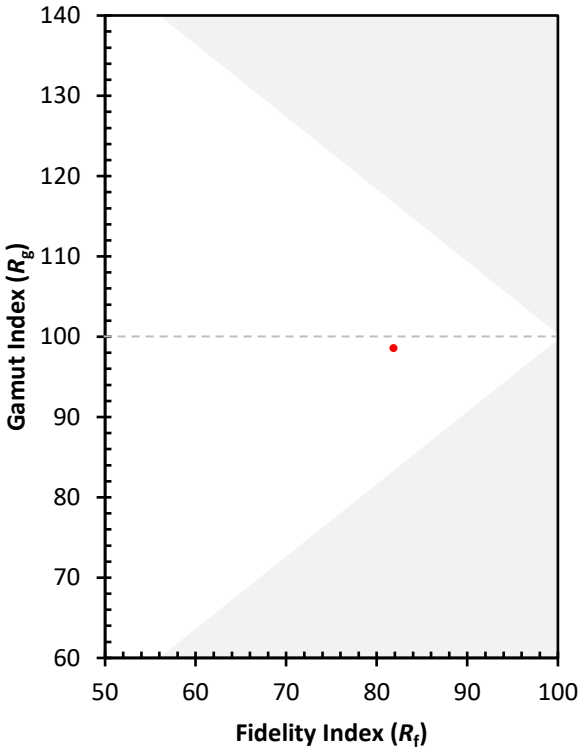


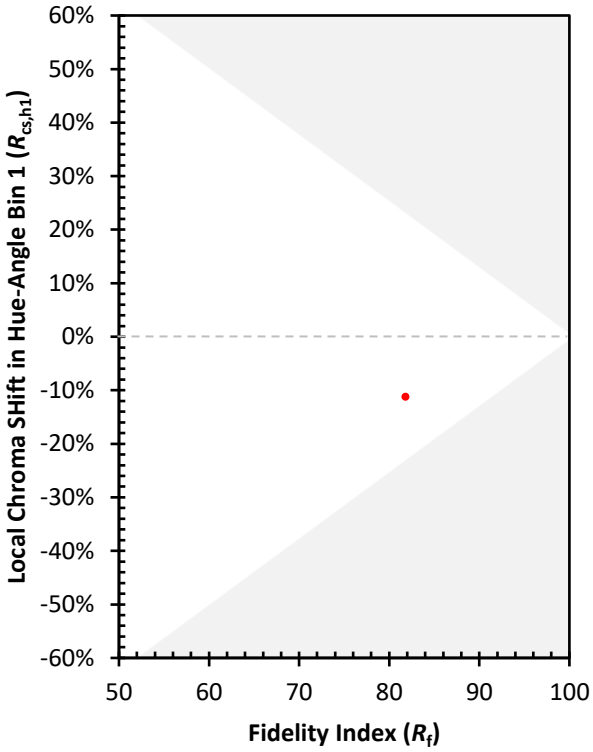


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Measure Comparisons





(END OF REPORT)