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: P1501539

Luminaire Tested: GSS-SB6C-830-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:	P1501539
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	38846.9 lumens
Efficiency:	N/A
Efficacy:	129.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

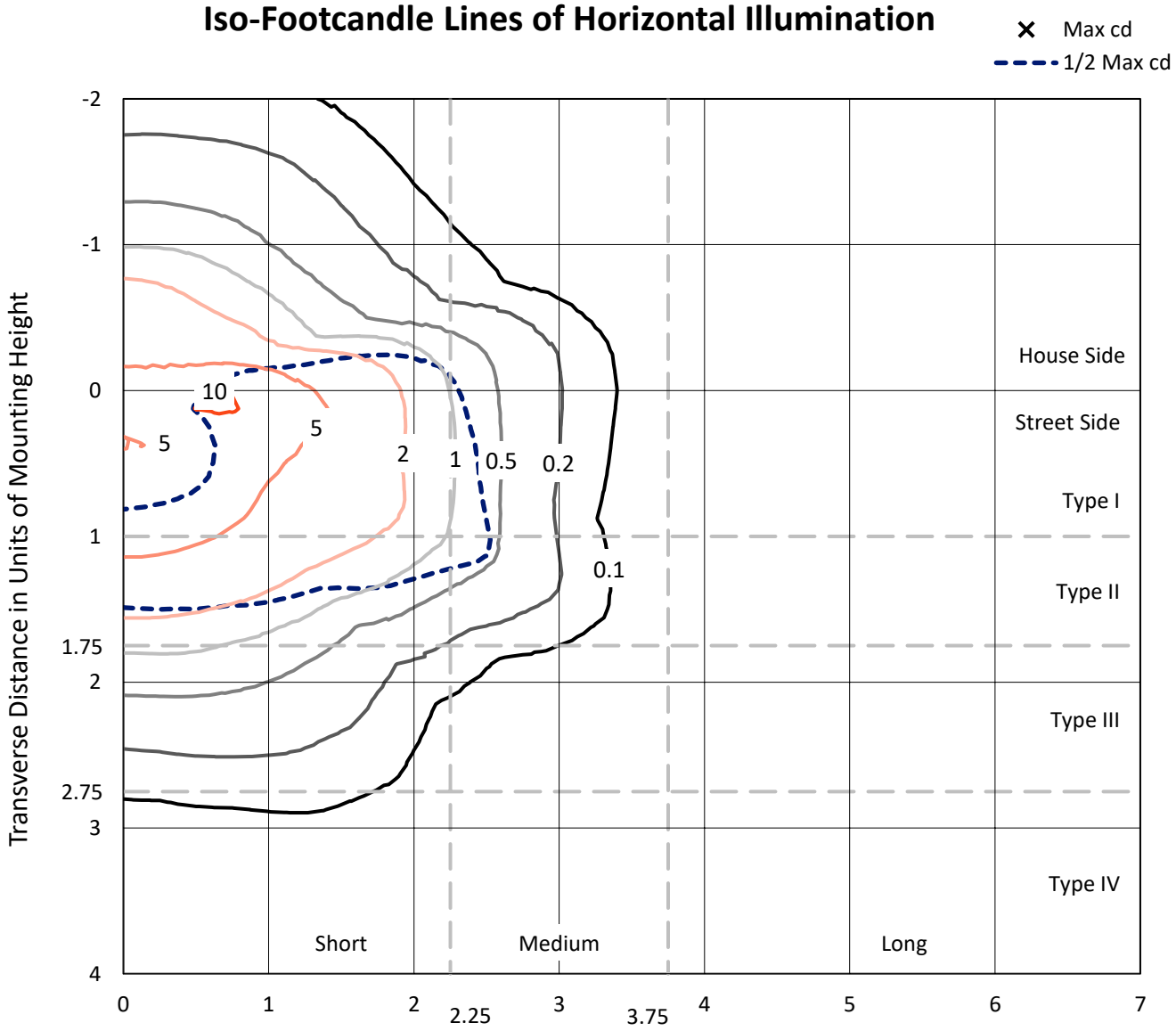
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



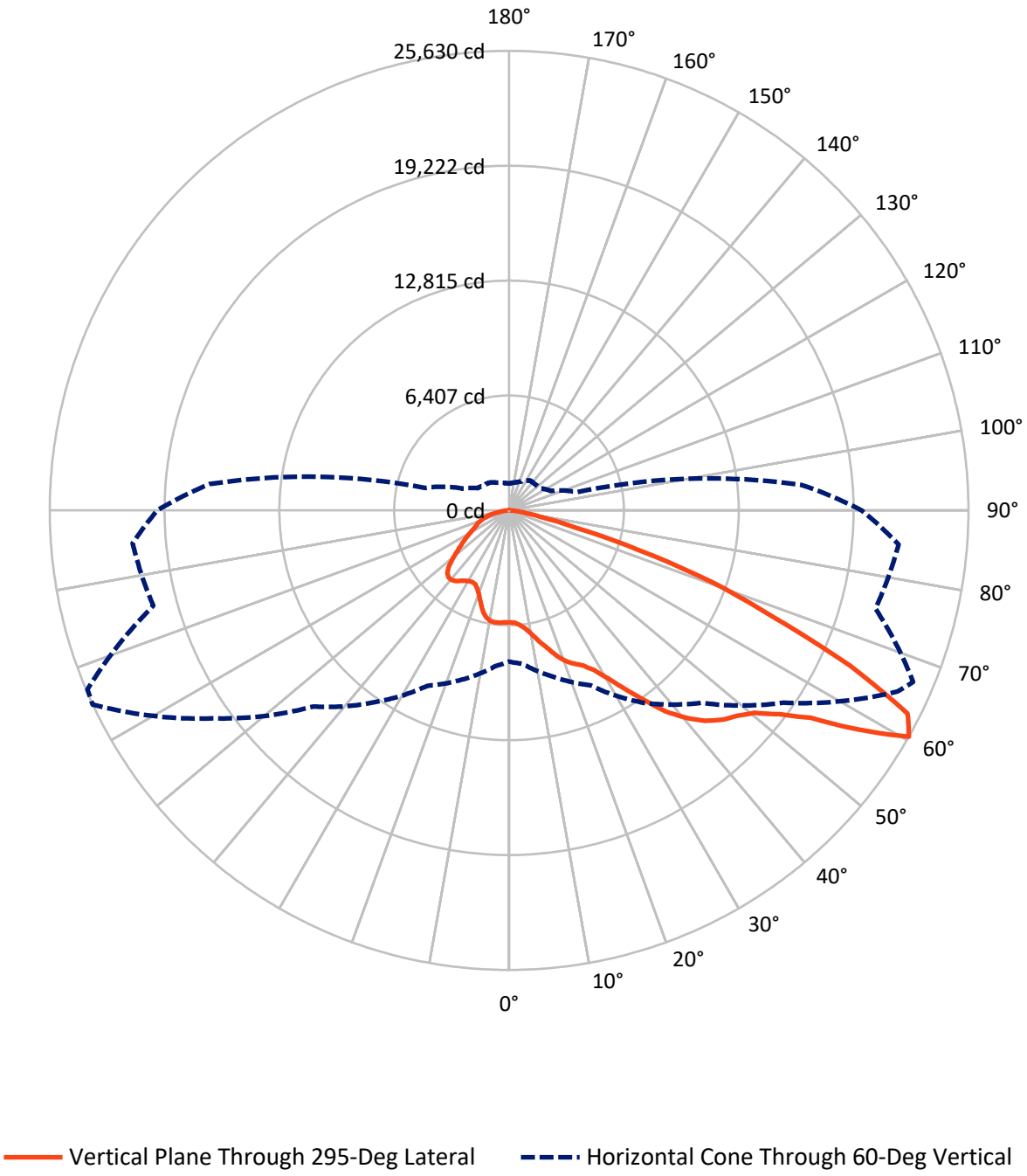
Based on 30 foot mounting height. Maximum calculated value = 10.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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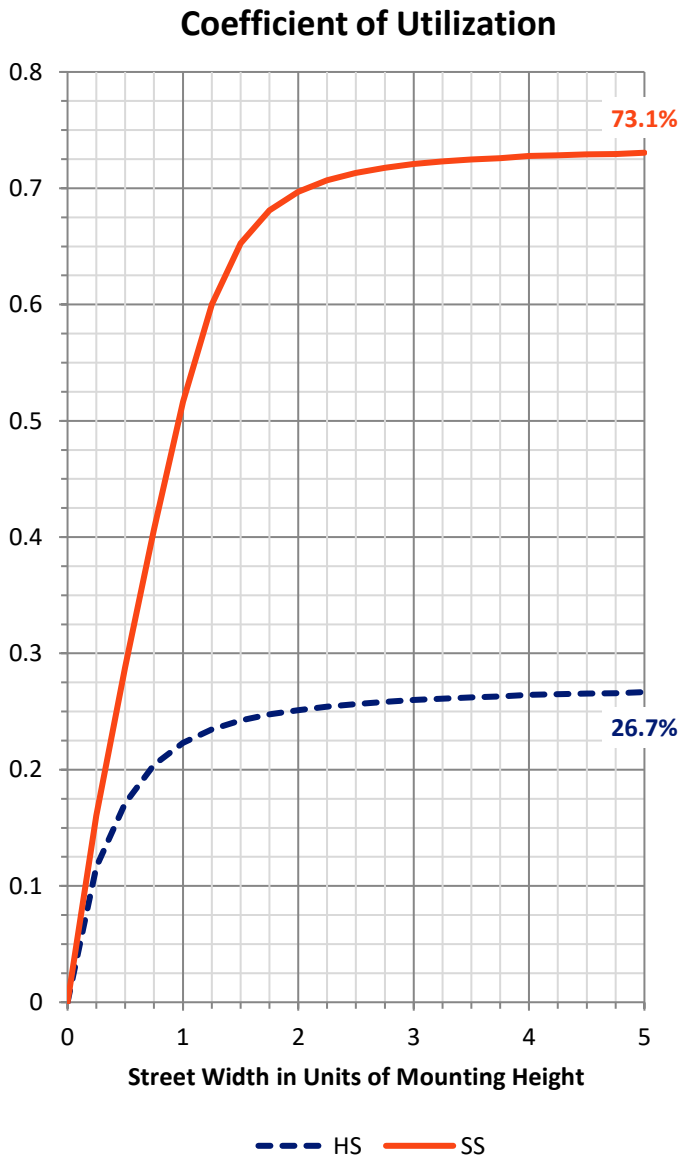
REPORT NUMBER: P1501539
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10446.4	0.0	10446.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	28400.5	0.0	28400.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	38846.9	0.0	38846.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.7	1.5
10°-20°	1689.4	4.3
20°-30°	3200.0	8.2
30°-40°	5641.4	14.5
40°-50°	8343.0	21.5
50°-60°	9796.9	25.2
60°-70°	7098.3	18.3
70°-80°	2189.0	5.6
80°-90°	301.4	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°	38846.9	100.0
0°-180°	38846.9	100.0



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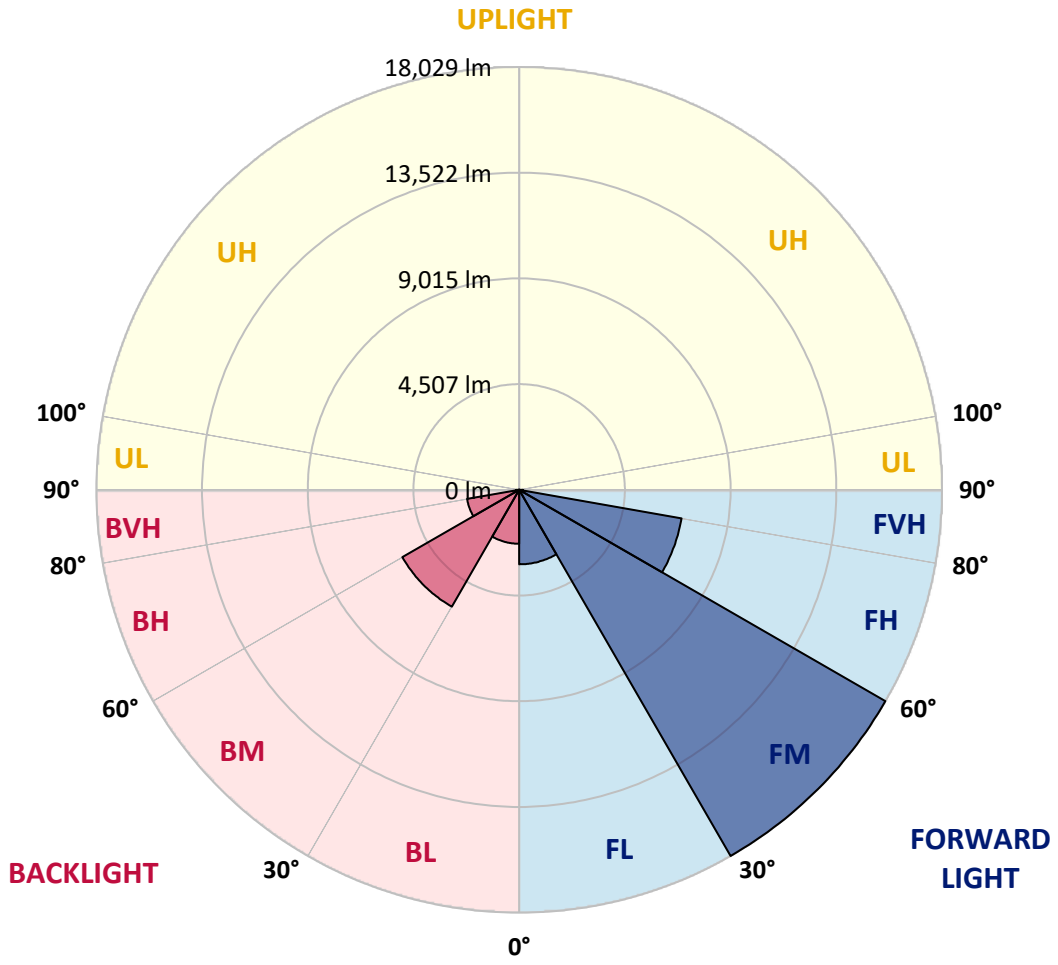
Scaled Data Report

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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°)	3176.4	8.2			
FM	(30°-60°)	18029.1	46.4			
FH	(60°-80°)	7032.5	18.1			G3/7500
FVH	(80°-90°)	162.6	0.4			G2/225
BL	(0°-30°)	2300.7	5.9	B3/2500		
BM	(30°-60°)	5752.1	14.8	B4/8500		
BH	(60°-80°)	2254.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	138.8	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°	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3
2.5°	6374.2	6391.9	6365.4	6383.1	6383.1	6356.5	6347.7	6312.3	6330.0	6321.1	6312.3
5°	6524.7	6533.6	6515.9	6542.4	6542.4	6551.3	6542.4	6498.2	6498.2	6498.2	6480.5
7.5°	6480.5	6480.5	6489.3	6577.9	6666.4	6781.5	6781.5	6763.8	6781.5	6772.6	6692.9
10°	6108.6	6144.0	6223.7	6445.1	6657.5	6905.4	7073.6	7126.7	7126.7	7135.6	7002.8
12.5°	5444.7	5471.2	5657.1	5993.5	6436.2	6887.7	7295.0	7560.5	7587.1	7631.4	7454.3
15°	4851.5	4869.2	5002.0	5347.3	5851.9	6648.7	7418.9	7967.8	8056.3	8242.2	7976.6
17.5°	4904.6	4895.8	4931.2	5064.0	5426.9	6259.1	7392.3	8445.9	8605.2	8932.8	8702.6
20°	5223.3	5223.3	5249.9	5276.4	5409.2	5975.8	7197.6	8835.4	9145.2	9782.7	9517.1
22.5°	5728.0	5728.0	5719.1	5763.4	5763.4	6099.8	7206.4	9127.5	9587.9	10730.0	10473.2
25°	6427.3	6391.9	6391.9	6409.6	6330.0	6569.0	7427.7	9428.5	10030.6	11854.3	11633.0
27.5°	7215.3	7241.8	7224.1	7162.2	7055.9	7241.8	7958.9	9897.8	10526.3	13040.6	12952.1
30°	8074.0	8082.9	8100.6	8065.2	7976.6	8109.4	8791.1	10606.0	11181.5	14280.0	14474.8
32.5°	8915.1	9039.0	8994.7	8906.2	8941.6	9180.7	9818.1	11562.1	12155.3	15430.9	16121.5
35°	9986.3	10030.6	10207.6	9880.1	9888.9	10296.2	11128.3	12819.3	13394.7	16626.1	17768.2
37.5°	11544.4	11624.1	11544.4	11031.0	10951.3	11517.9	12403.2	14058.7	14474.8	17529.1	19299.8
40°	13076.0	13173.4	13306.2	12704.2	12199.6	12668.8	13607.2	15006.0	15439.8	18024.9	20317.9
42.5°	14342.0	14501.4	14359.7	14182.7	13722.3	13810.8	14448.3	15740.8	16174.6	18653.5	21344.8
45°	15413.2	15439.8	15501.8	15377.8	15147.6	15068.0	15165.4	16387.1	16865.2	18936.8	21849.4
47.5°	15855.9	15971.0	16024.1	16236.6	16475.6	16316.3	15776.2	16688.1	17121.9	18919.1	22008.8
50°	15616.9	15732.0	16015.3	16519.9	17095.3	17378.6	16493.3	17104.2	17591.1	19237.8	22336.4
52.5°	14988.3	15112.2	15572.6	16148.0	17113.0	17759.3	17502.6	17971.8	18441.0	19804.4	22885.3
55°	13465.6	13651.5	14297.8	15253.9	16581.9	17555.7	18564.9	19246.6	19760.1	20486.1	23451.9
57.5°	11252.3	11447.1	12173.0	13607.2	15599.2	16714.6	18874.8	21637.0	21867.2	21300.6	23505.0
60°	*8428.1*	*8587.5*	*9614.5*	*10765.4*	*13102.6*	*15174.2*	*18697.7*	*23903.4*	*24487.7*	*21158.9*	*21814.0*
62.5°	6675.2	6870.0	7781.9	8313.1	9986.3	12536.0	18078.0	24531.9	25036.6	19990.3	19459.1
65°	5214.5	5347.3	6197.2	6958.5	7365.8	8560.9	15492.9	21459.9	21911.4	18086.9	16059.5
67.5°	3443.9	3647.5	4656.7	5701.4	5913.9	5444.7	10659.1	16511.0	16723.5	14377.4	12075.6
70°	2470.0	2567.4	3319.9	4435.4	4754.1	3647.5	5807.6	12500.6	12562.5	9649.9	8136.0
72.5°	1682.1	1699.8	2257.5	3399.6	3789.1	2647.1	3196.0	8233.4	8020.9	4763.0	4656.7
75°	1142.0	1159.8	1443.1	2266.4	2682.5	1841.4	2080.5	4488.5	4311.5	2629.4	2824.1
77.5°	770.2	787.9	991.5	1522.7	1788.3	1274.8	1522.7	2372.6	2328.4	1744.1	1513.9
80°	584.3	610.9	734.8	973.8	1248.3	743.7	867.6	1124.3	1142.0	929.6	770.2
82.5°	327.6	363.0	442.7	495.8	805.6	416.1	416.1	672.8	646.3	575.5	416.1
85°	141.6	150.5	177.1	185.9	327.6	177.1	150.5	292.2	301.0	283.3	132.8
87.5°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	35.4	35.4	35.4	35.4
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°	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3
2.5°	6268.0	6321.1	6268.0	6241.4	6241.4	6197.2	6179.5	6179.5	6117.5	6144.0	6126.3
5°	6409.6	6427.3	6365.4	6285.7	6179.5	6090.9	5967.0	5807.6	5710.2	5701.4	5710.2
7.5°	6631.0	6639.8	6471.6	6294.6	6029.0	5710.2	5329.6	5019.7	4745.3	4701.0	4754.1
10°	6940.8	6923.1	6675.2	6259.1	5701.4	5028.6	4444.3	4161.0	4001.6	3992.7	3983.9
12.5°	7356.9	7241.8	6861.2	6108.6	5134.8	4355.7	4054.7	4037.0	4081.3	4116.7	4125.5
15°	7835.0	7684.5	7011.7	5816.5	4559.3	4107.8	4125.5	4276.0	4329.2	4364.6	4364.6
17.5°	8428.1	8233.4	7179.9	5400.4	4267.2	4161.0	4284.9	4426.5	4515.1	4550.5	4541.6
20°	9216.1	8808.8	7312.7	5002.0	4187.5	4249.5	4355.7	4497.4	4585.9	4630.2	4630.2
22.5°	10004.0	9499.4	7339.2	4727.6	4187.5	4258.3	4355.7	4497.4	4594.8	4639.0	4630.2
25°	11075.2	10384.7	7348.1	4532.8	4196.4	4214.1	4302.6	4426.5	4568.2	4612.5	4630.2
27.5°	12217.3	11358.5	7392.3	4488.5	4161.0	4152.1	4214.1	4329.2	4470.8	4585.9	4594.8
30°	13633.8	12456.3	7410.0	4532.8	4169.8	4054.7	4099.0	4214.1	4364.6	4479.7	4515.1
32.5°	15023.7	13474.4	7374.6	4630.2	4187.5	3992.7	4001.6	4072.4	4231.8	4311.5	4373.4
35°	16493.3	14554.5	7312.7	4763.0	4196.4	3966.2	3886.5	3921.9	4028.2	4037.0	4063.6
37.5°	17644.2	15360.1	7126.7	4940.0	4214.1	3868.8	3709.4	3682.9	3638.6	3550.1	3567.8
40°	18591.5	15900.2	6816.9	5028.6	4169.8	3753.7	3488.1	3364.2	3196.0	3063.2	3089.7
42.5°	19273.2	16263.1	6445.1	5046.3	4099.0	3558.9	3231.4	3018.9	2833.0	2691.3	2700.2
45°	19574.2	16227.7	6046.7	4913.5	3930.8	3319.9	2992.3	2788.7	2585.1	2434.6	2416.9
47.5°	19583.1	15882.5	5497.8	4594.8	3647.5	3045.5	2771.0	2549.7	2381.5	2275.2	2266.4
50°	19653.9	15687.7	4984.3	4134.4	3275.6	2753.3	2576.3	2354.9	2257.5	2107.0	2062.8
52.5°	20096.5	16006.4	4630.2	3629.8	2930.4	2540.8	2408.0	2213.3	2053.9	1956.5	1947.7
55°	20813.6	16555.3	4435.4	3249.1	2602.8	2337.2	2248.7	2080.5	1938.8	1841.4	1814.9
57.5°	20902.2	16838.6	4205.2	2895.0	2337.2	2177.9	2142.4	1956.5	1752.9	1682.1	1655.5
60°	*19662.7*	*16360.5*	*3921.9*	*2567.4*	*2142.4*	*2053.9*	*2036.2*	*1788.3*	*1620.1*	*1531.6*	*1496.2*
62.5°	17971.8	15165.4	3488.1	2266.4	1991.9	1930.0	1859.2	1664.4	1451.9	1354.5	1328.0
65°	14687.3	12748.5	2965.8	2062.8	1841.4	1770.6	1752.9	1487.3	1345.7	1292.6	1283.7
67.5°	11128.3	10243.0	2611.7	1912.3	1682.1	1655.5	1593.6	1505.0	1443.1	1381.1	1363.4
70°	7870.4	7392.3	2222.1	1717.5	1522.7	1478.5	1735.2	1637.8	1416.5	1336.8	1328.0
72.5°	4771.8	4639.0	1921.1	1540.4	1310.3	1381.1	1602.4	1478.5	1274.8	1177.5	1142.0
75°	3010.1	2753.3	1611.3	1310.3	1044.7	1124.3	1398.8	1319.1	1097.8	1000.4	973.8
77.5°	1637.8	1522.7	1212.9	1071.2	823.3	911.9	1221.7	1088.9	876.5	956.1	849.9
80°	717.1	796.8	805.6	619.7	548.9	672.8	876.5	849.9	672.8	681.7	566.6
82.5°	345.3	451.5	522.3	424.9	309.9	398.4	584.3	486.9	451.5	424.9	407.2
85°	106.2	168.2	230.2	203.6	141.6	168.2	274.4	265.6	318.7	274.4	256.7
87.5°	35.4	35.4	26.6	26.6	26.6	35.4	44.3	26.6	8.9	8.9	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°	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3
2.5°	6117.5	6126.3	6126.3	6135.2	6135.2	6161.8	6197.2	6232.6	6206.0	6241.4	6250.3
5°	5692.5	5736.8	5772.2	5905.0	6011.3	6099.8	6197.2	6285.7	6312.3	6330.0	6374.2
7.5°	4692.1	4816.1	5046.3	5347.3	5683.7	6011.3	6232.6	6462.8	6498.2	6542.4	6604.4
10°	3992.7	4045.9	4205.2	4515.1	5117.1	5763.4	6303.4	6666.4	6816.9	6905.4	6967.4
12.5°	4107.8	4072.4	4045.9	4090.1	4479.7	5311.9	6259.1	6958.5	7241.8	7339.2	7418.9
15°	4382.3	4346.9	4249.5	4125.5	4169.8	4833.8	6108.6	7233.0	7684.5	7843.8	8012.1
17.5°	4541.6	4506.2	4426.5	4293.8	4178.7	4435.4	5825.3	7480.9	8383.9	8578.7	8817.7
20°	4630.2	4594.8	4515.1	4382.3	4249.5	4284.9	5462.4	7790.7	9180.7	9490.5	9844.6
22.5°	4647.9	4603.6	4515.1	4382.3	4302.6	4276.0	5117.1	7976.6	10039.4	10517.5	10924.7
25°	4639.0	4559.3	4444.3	4346.9	4302.6	4293.8	4878.1	8082.9	10969.0	11730.4	12190.7
27.5°	4577.1	4479.7	4364.6	4293.8	4276.0	4329.2	4771.8	8206.8	12057.9	13031.8	13766.6
30°	4506.2	4364.6	4222.9	4196.4	4240.6	4408.8	4860.4	8251.1	13200.0	14448.3	15200.8
32.5°	4320.3	4214.1	4072.4	4063.6	4169.8	4470.8	5064.0	8189.1	14209.2	15864.8	16812.0
35°	4054.7	3992.7	3913.1	3939.6	4107.8	4523.9	5205.6	7994.3	15129.9	17183.9	18290.5
37.5°	3585.5	3629.8	3674.0	3736.0	3948.5	4515.1	5267.6	7684.5	15891.3	18237.4	19653.9
40°	3063.2	3213.7	3355.3	3514.7	3798.0	4444.3	5285.3	7303.8	16334.0	19034.2	20866.8
42.5°	2735.6	2877.3	3054.3	3284.5	3594.4	4284.9	5267.6	6878.9	16475.6	19583.1	21637.0
45°	2434.6	2602.8	2824.1	3063.2	3417.3	4054.7	5108.2	6418.5	16546.4	19839.8	21964.5
47.5°	2275.2	2372.6	2576.3	2815.3	3187.1	3771.4	4798.4	6082.1	16440.2	19892.9	22362.9
50°	2089.3	2222.1	2354.9	2585.1	2948.1	3417.3	4426.5	5887.3	16617.3	20415.2	22991.5
52.5°	1947.7	2018.5	2160.2	2372.6	2638.2	3089.7	4072.4	5728.0	17104.2	20946.4	23646.6
55°	1841.4	1921.1	2009.7	2186.7	2390.3	2762.2	3709.4	5488.9	17670.8	21513.0	24301.8
57.5°	1673.2	1726.4	1850.3	2036.2	2169.0	2443.5	3284.5	5205.6	17626.5	21070.4	23168.6
60°	*1522.7*	*1575.9*	*1708.6*	*1894.6*	*1974.2*	*2160.2*	*2868.4*	*4842.6*	*16776.6*	*19627.3*	*21079.2*
62.5°	1354.5	1416.5	1575.9	1708.6	1779.5	1921.1	2434.6	4178.7	15006.0	17458.3	18635.8
65°	1283.7	1319.1	1425.3	1584.7	1575.9	1708.6	2053.9	3284.5	12075.6	13341.6	14412.8
67.5°	1363.4	1416.5	1398.8	1443.1	1416.5	1487.3	1841.4	2638.2	9490.5	10048.3	10668.0
70°	1345.7	1469.6	1531.6	1443.1	1239.4	1319.1	1593.6	2107.0	6790.3	6737.2	6710.6
72.5°	1177.5	1301.4	1478.5	1567.0	1212.9	1097.8	1381.1	1823.7	4355.7	4338.0	3921.9
75°	1000.4	1088.9	1301.4	1416.5	1044.7	885.3	1186.3	1549.3	2602.8	2638.2	2354.9
77.5°	920.7	876.5	1088.9	1248.3	849.9	681.7	956.1	1168.6	1434.2	1451.9	1345.7
80°	664.0	637.4	814.5	911.9	646.3	486.9	540.0	726.0	770.2	690.5	717.1
82.5°	424.9	433.8	486.9	584.3	398.4	265.6	371.8	486.9	416.1	336.4	398.4
85°	274.4	309.9	256.7	301.0	123.9	123.9	159.4	212.5	141.6	97.4	106.2
87.5°	0.0	0.0	17.7	35.4	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: P1501539
CATALOG NUMBER: GSS-SB6C-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	6250.3	6250.3	*6250.3*	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3	6250.3
2.5°	6276.8	6268.0	*6268.0*	6285.7	6330.0	6347.7	6374.2	6365.4	6391.9	6374.2
5°	6400.8	6409.6	*6436.2*	6445.1	6471.6	6507.0	6515.9	6507.0	6524.7	6524.7
7.5°	6648.7	6684.1	*6666.4*	6710.6	6675.2	6631.0	6560.1	6507.0	6462.8	6480.5
10°	7064.8	7047.1	*7038.2*	6958.5	6799.2	6569.0	6383.1	6179.5	6144.0	6108.6
12.5°	7525.1	7507.4	*7507.4*	7233.0	6781.5	6303.4	5878.5	5559.7	5453.5	5444.7
15°	8171.4	8056.3	*7950.1*	7374.6	6471.6	5657.1	5161.4	4913.5	4851.5	4851.5
17.5°	8977.0	8676.0	*8499.0*	7268.4	5967.0	5232.2	4940.0	4878.1	4860.4	4904.6
20°	9977.4	9216.1	*8959.3*	7029.4	5781.1	5285.3	5143.6	5152.5	5161.4	5223.3
22.5°	11075.2	9711.8	*9286.9*	7029.4	5967.0	5621.7	5550.9	5648.3	5674.8	5728.0
25°	12297.0	10154.5	*9579.1*	7401.2	6515.9	6259.1	6170.6	6268.0	6338.8	6427.3
27.5°	13669.2	10614.9	*10083.7*	8074.0	7224.1	7064.8	6967.4	7011.7	7109.0	7215.3
30°	14899.8	11385.1	*10853.9*	9101.0	8189.1	7994.3	7826.1	7897.0	8003.2	8074.0
32.5°	15988.7	12323.5	*11872.0*	10181.1	9295.8	8959.3	8773.4	8755.7	8968.2	8915.1
35°	16989.1	13430.1	*12996.3*	11411.6	10420.1	10004.0	9756.1	10074.8	9933.2	9986.3
37.5°	17777.0	14581.1	*14235.8*	12589.1	11588.7	11022.1	10871.6	11261.1	11482.5	11544.4
40°	18423.3	15581.5	*15218.5*	13757.7	12659.9	12243.8	12482.9	13129.1	13102.6	13076.0
42.5°	18919.1	16440.2	*16041.8*	14643.0	13686.9	13766.6	13952.5	14386.3	14492.5	14342.0
45°	19140.4	16980.2	*16661.5*	15342.4	14855.5	15315.9	15395.5	15581.5	15510.6	15413.2
47.5°	19397.1	17458.3	*17121.9*	15979.8	16121.5	16573.0	16413.6	16263.1	16006.4	15855.9
50°	19830.9	18024.9	*17741.6*	16909.4	17422.9	17272.4	16652.7	16316.3	15793.9	15616.9
52.5°	20654.3	19096.1	*18883.7*	18379.0	18033.8	17166.2	16413.6	15811.6	15227.3	14988.3
55°	21389.1	20548.0	*20424.1*	19751.3	17847.8	16608.4	15599.2	14669.6	13669.2	13465.6
57.5°	21814.0	22956.1	*23097.7*	20335.6	16997.9	15342.4	13855.1	12367.8	11420.5	11252.3
60°	*20548.0*	*25558.9*	*25629.7*	*20220.5*	*15466.4*	*13058.3*	*10791.9*	*9738.4*	*8720.3*	*8428.1*
62.5°	18804.0	25018.9	*24956.9*	19529.9	12314.7	9525.9	8198.0	7702.2	6914.3	6675.2
65°	16165.8	20840.2	*20911.0*	16874.0	8189.1	6887.7	6887.7	6259.1	5382.7	5214.5
67.5°	13173.4	16068.4	*15909.0*	10942.4	5028.6	5515.5	5781.1	4878.1	3647.5	3443.9
70°	8560.9	12270.4	*12049.1*	6312.3	3160.6	4594.8	4550.5	3665.2	2611.7	2470.0
72.5°	3682.9	7091.3	*7542.8*	3222.5	2381.5	3700.6	3629.8	2567.4	1744.1	1682.1
75°	2222.1	3567.8	*3886.5*	2053.9	1735.2	2788.7	2514.3	1629.0	1186.3	1142.0
77.5°	1407.6	1956.5	*1938.8*	1540.4	1301.4	1885.7	1690.9	1124.3	805.6	770.2
80°	814.5	965.0	*1000.4*	965.0	876.5	1345.7	1080.1	814.5	628.6	584.3
82.5°	522.3	602.0	*610.9*	469.2	486.9	867.6	584.3	478.1	363.0	327.6
85°	230.2	256.7	*247.9*	159.4	159.4	354.1	203.6	194.8	141.6	141.6
87.5°	8.9	17.7	*8.9*	8.9	8.9	35.4	17.7	26.6	26.6	26.6
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

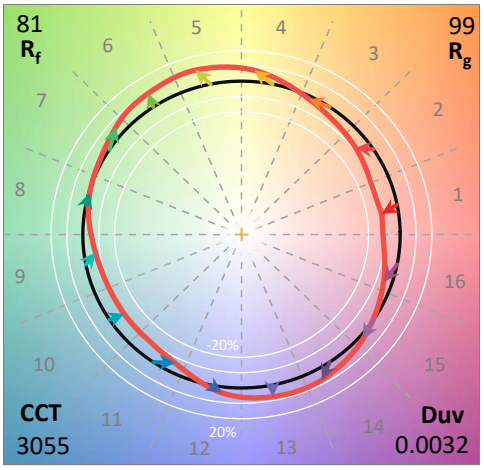
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

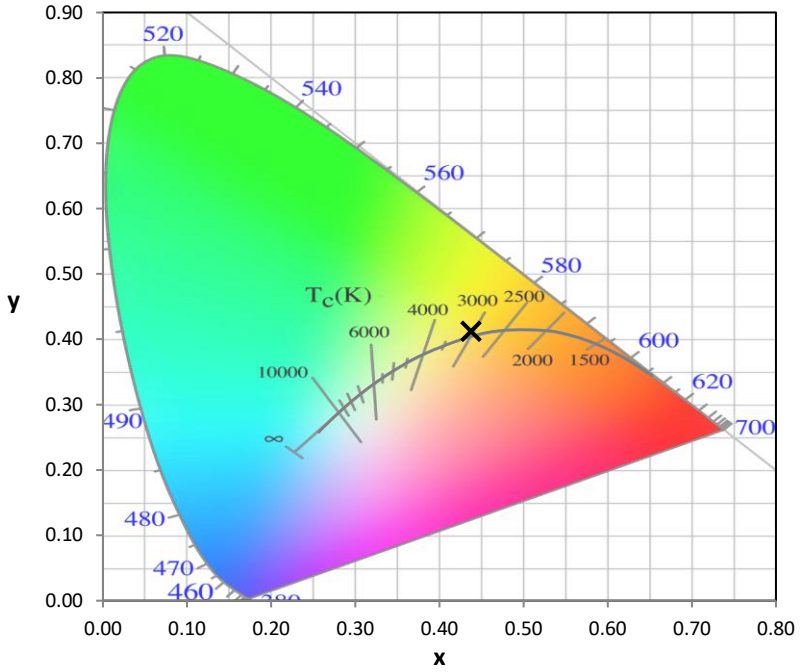
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

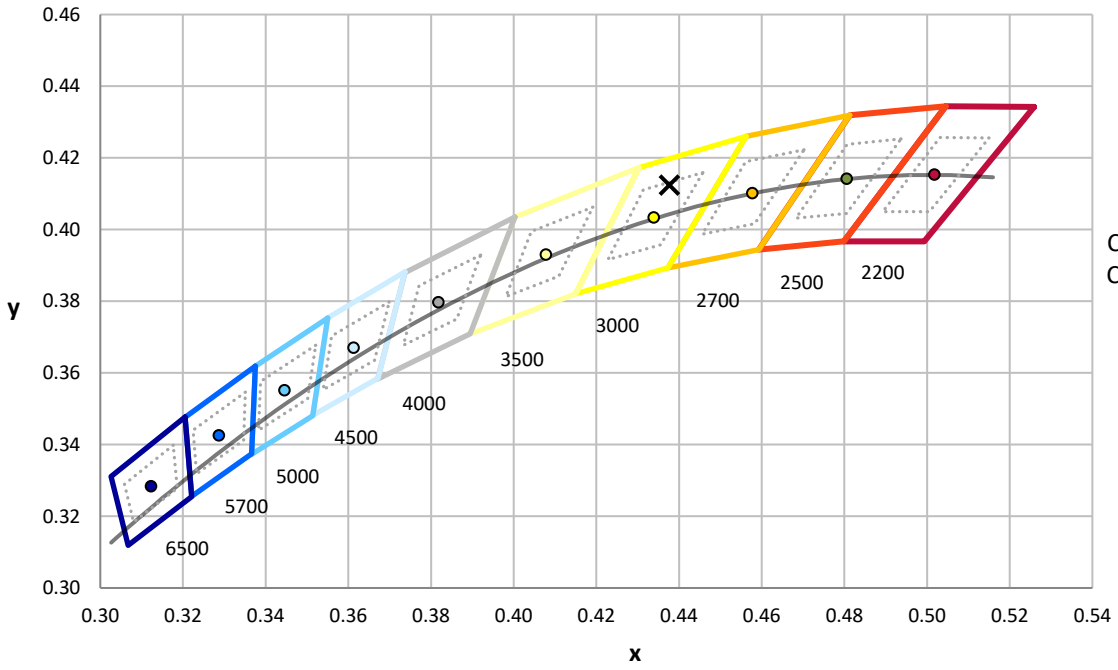
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

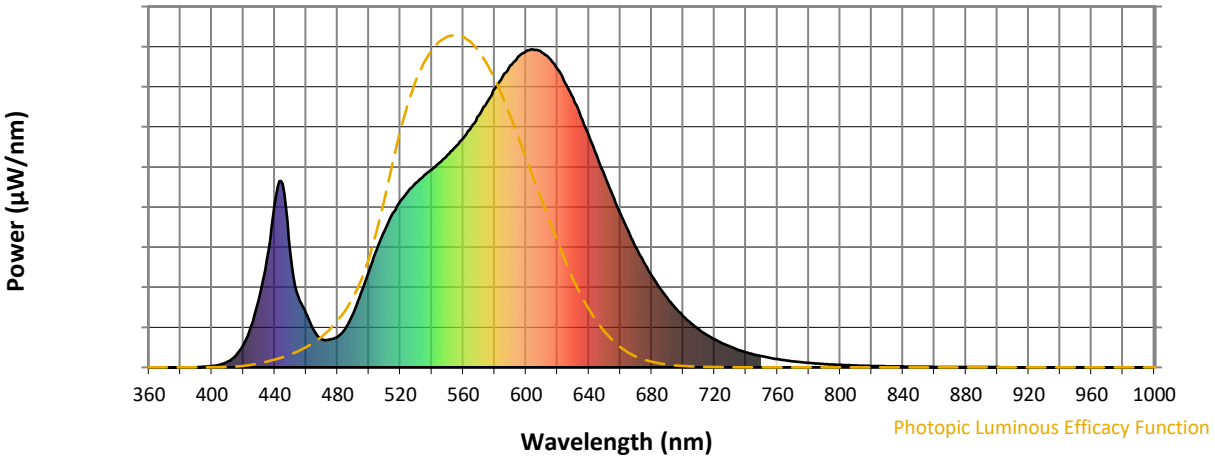


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

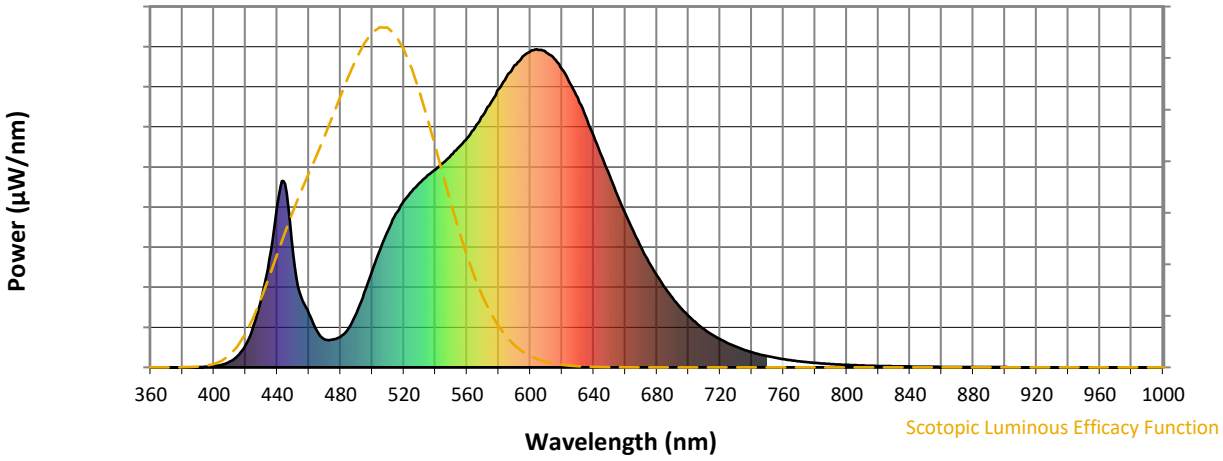


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

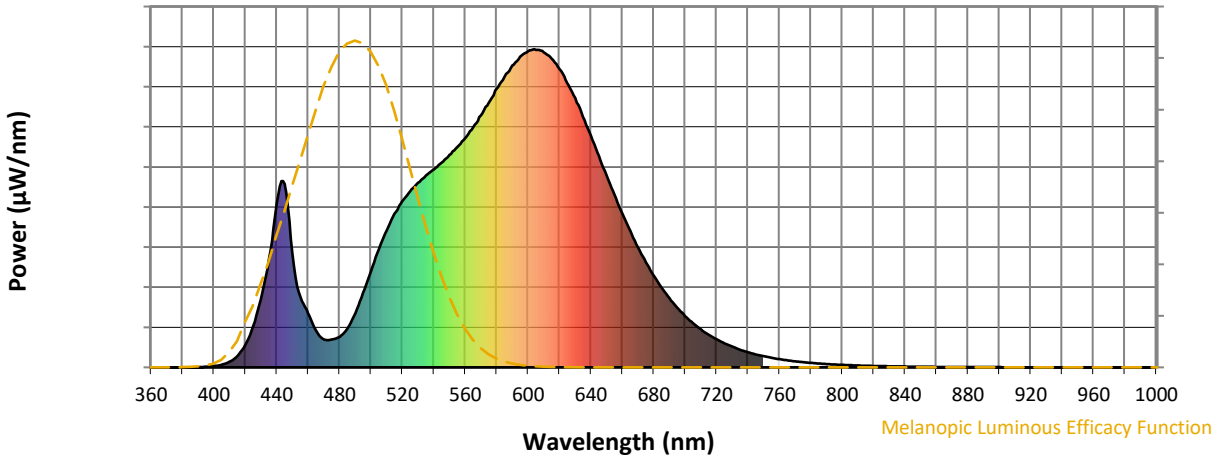


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

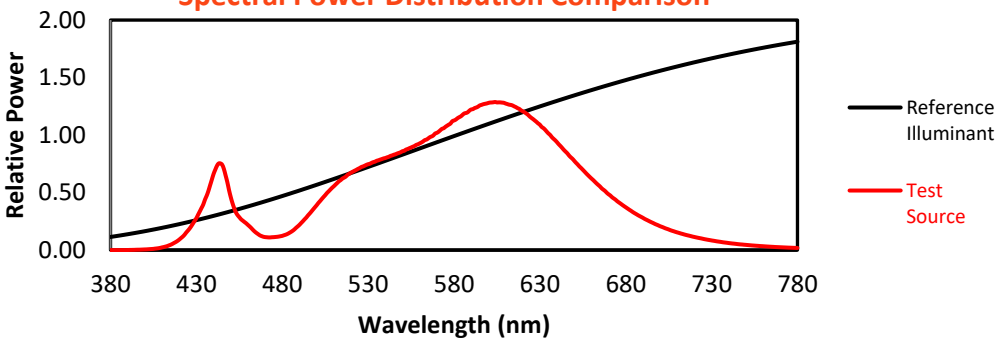
REPORT NUMBER: SP1-2407-184-9

TM-30-18

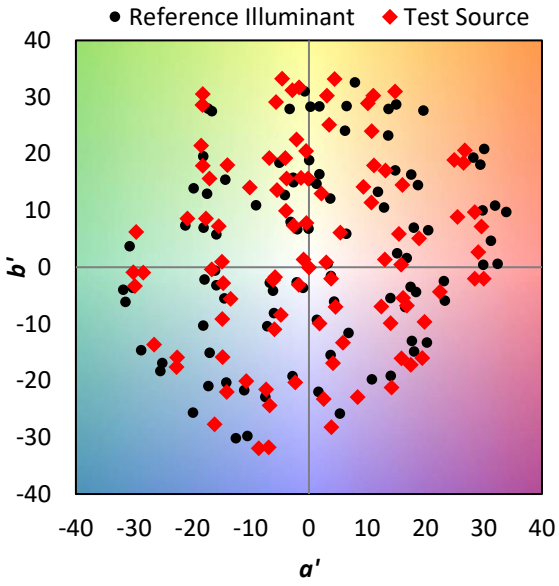
Summary

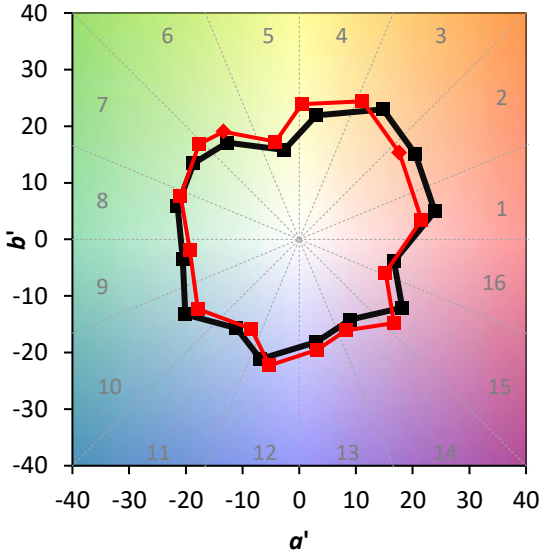
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

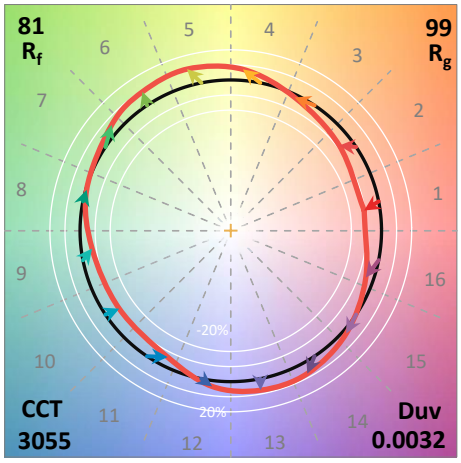
Spectral Power Distribution Comparison

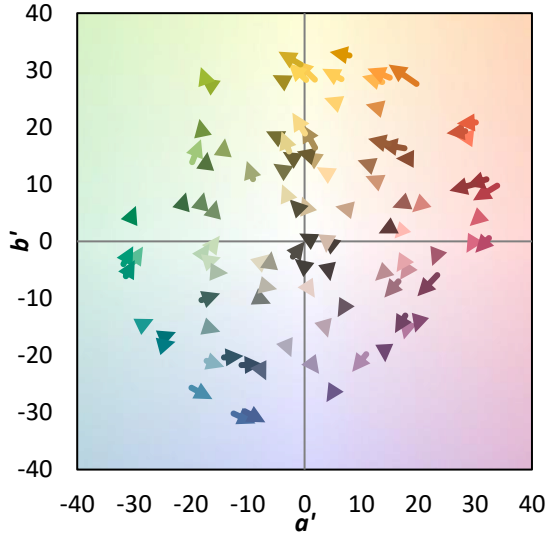


Color Vector Graphics







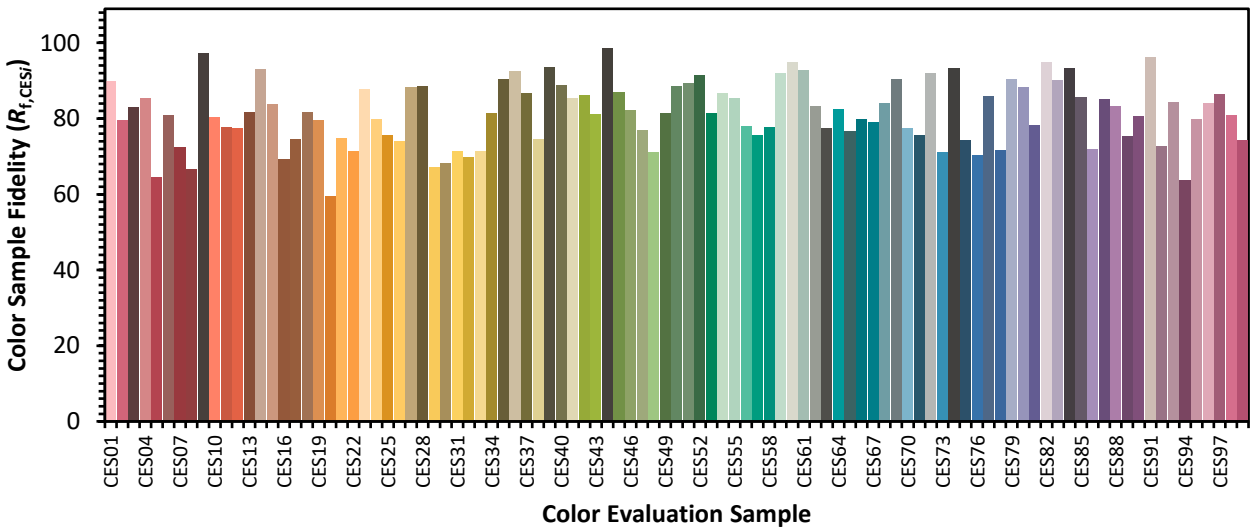


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Individual Sample Fidelity Index ($R_{f,i}$)

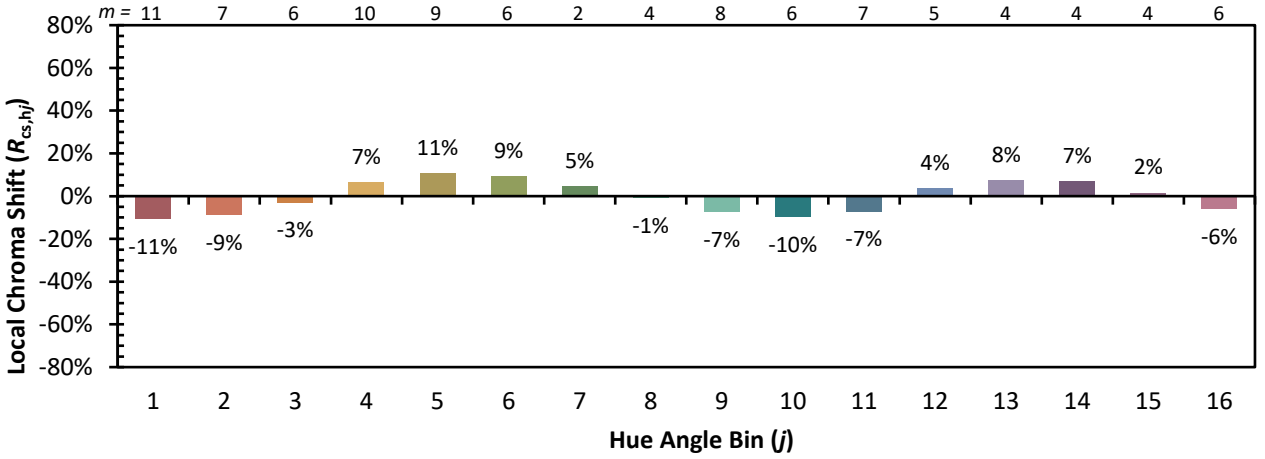
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

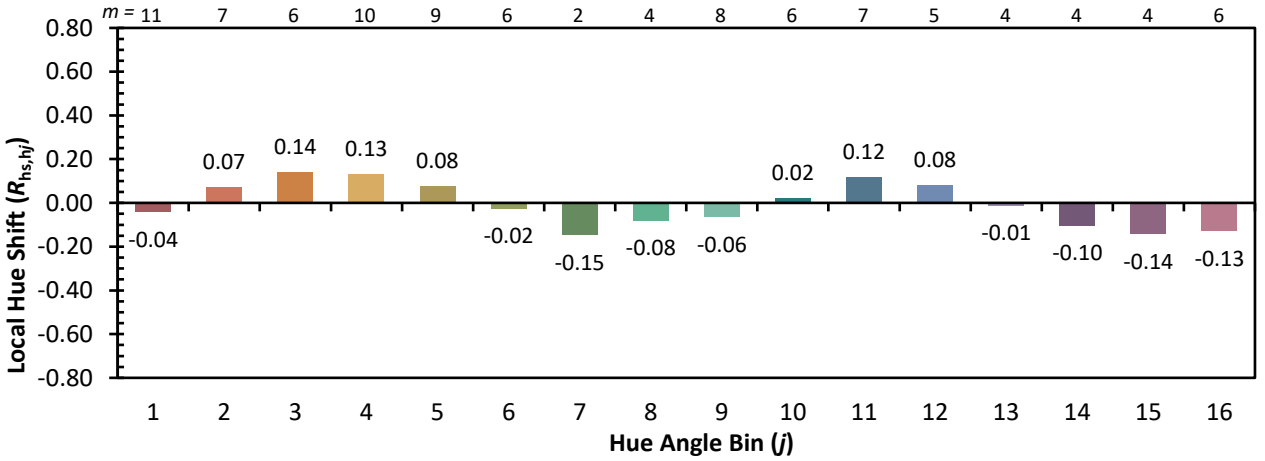


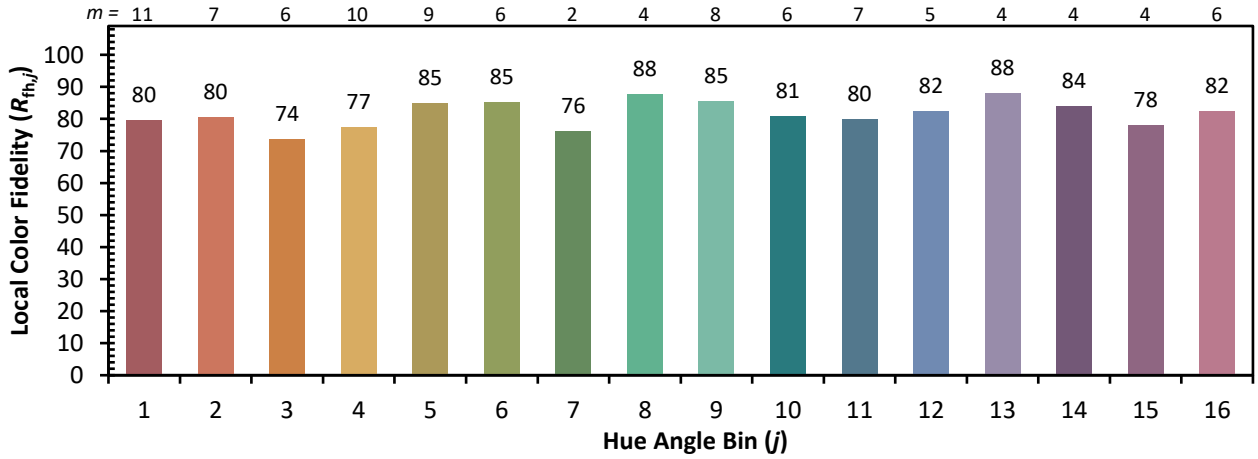
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Color Rendition by Hue-Angle Bin



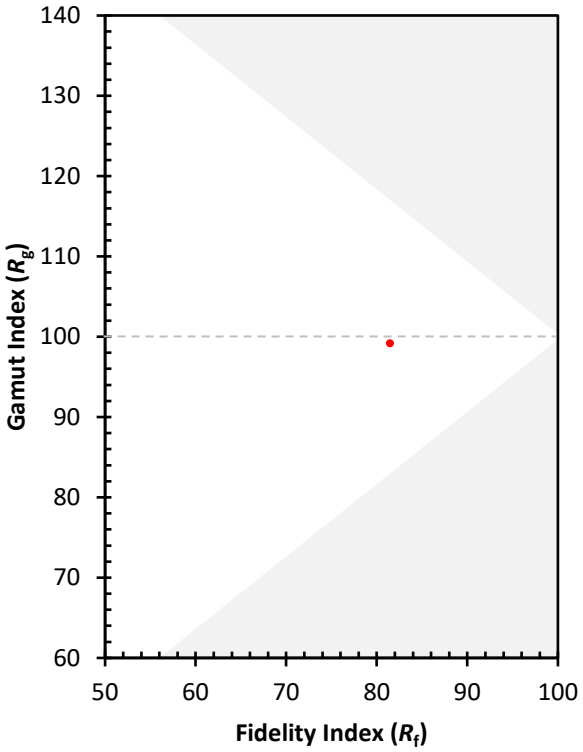


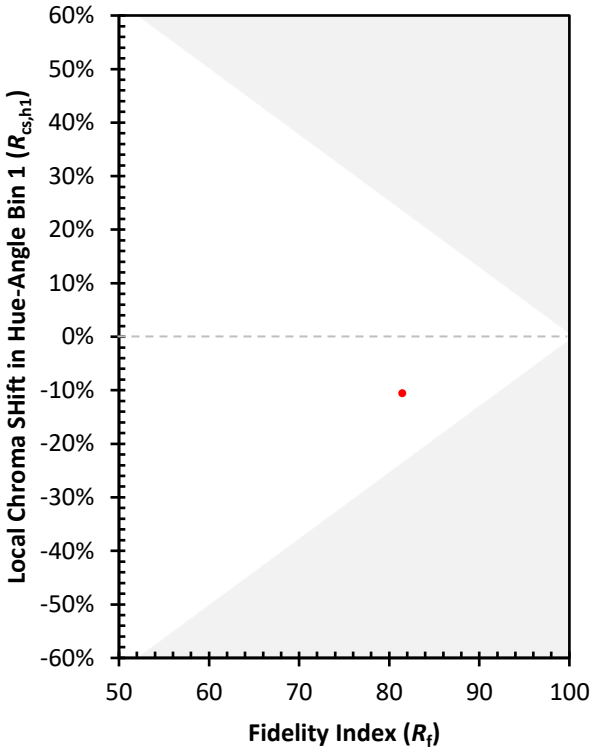


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Measure Comparisons





(END OF REPORT)