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: P1501585

Luminaire Tested: GSS-SB6A-840-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501585
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-840-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 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:	24896.8 lumens
Efficiency:	N/A
Efficacy:	146.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

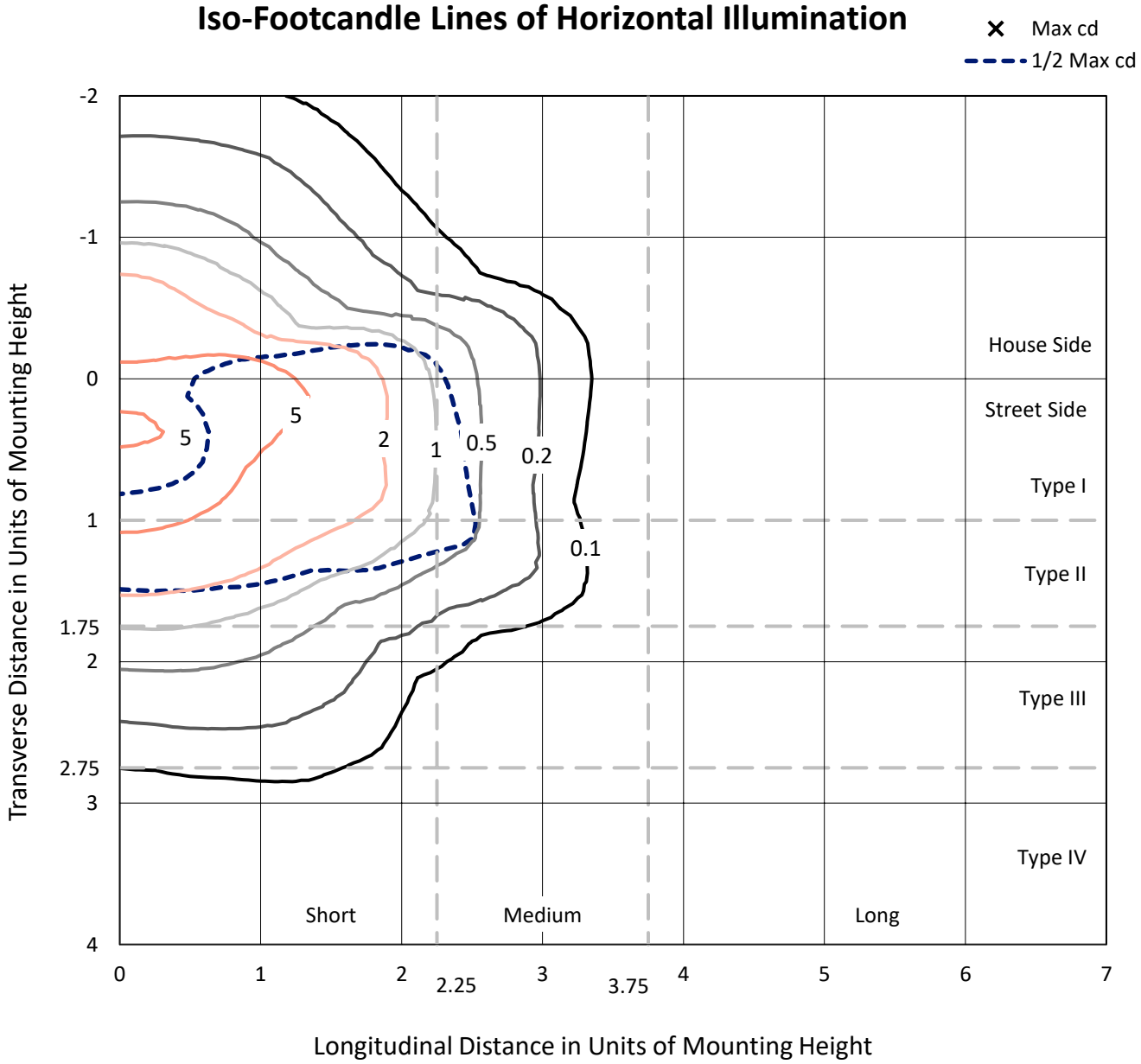
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



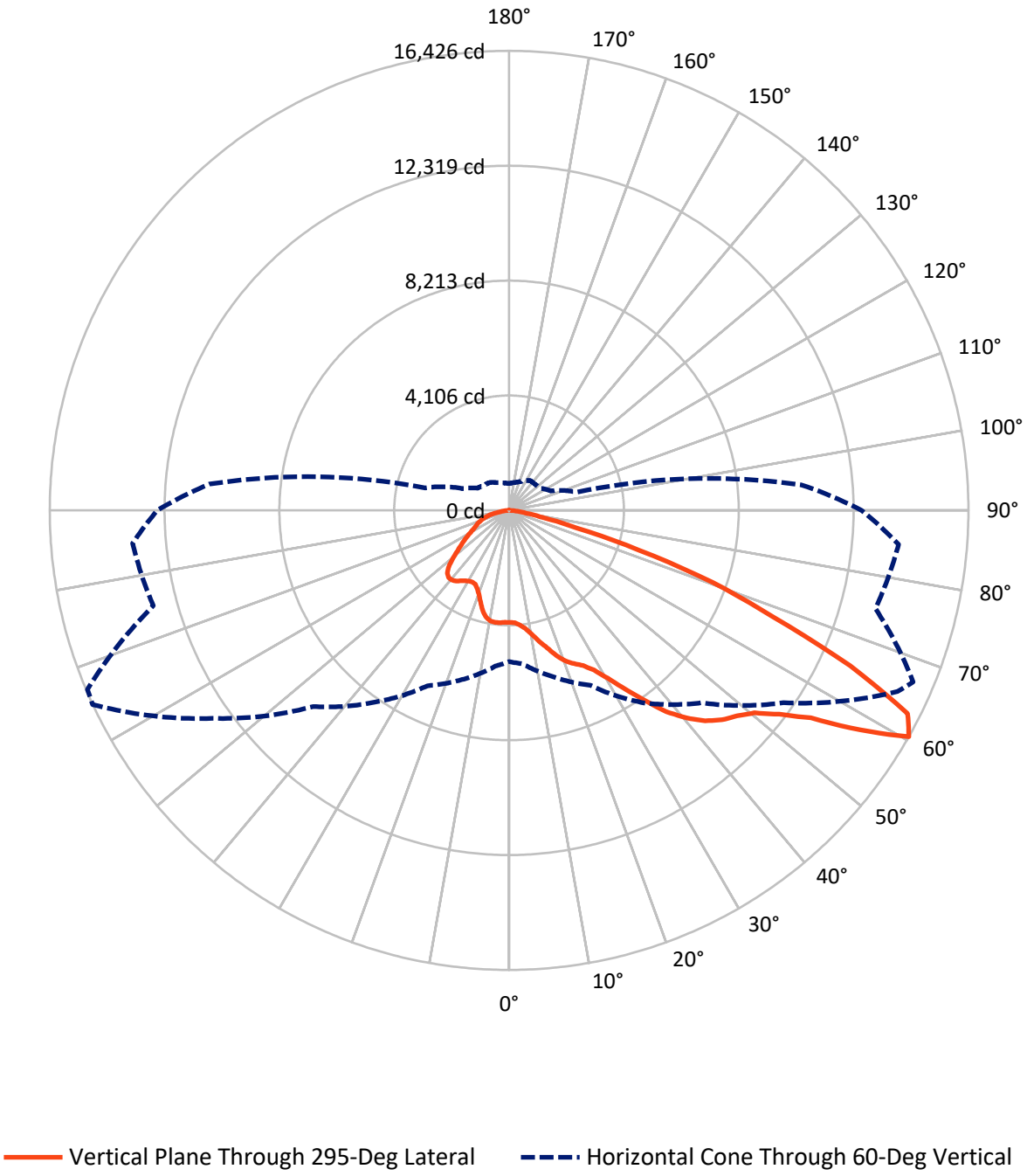
Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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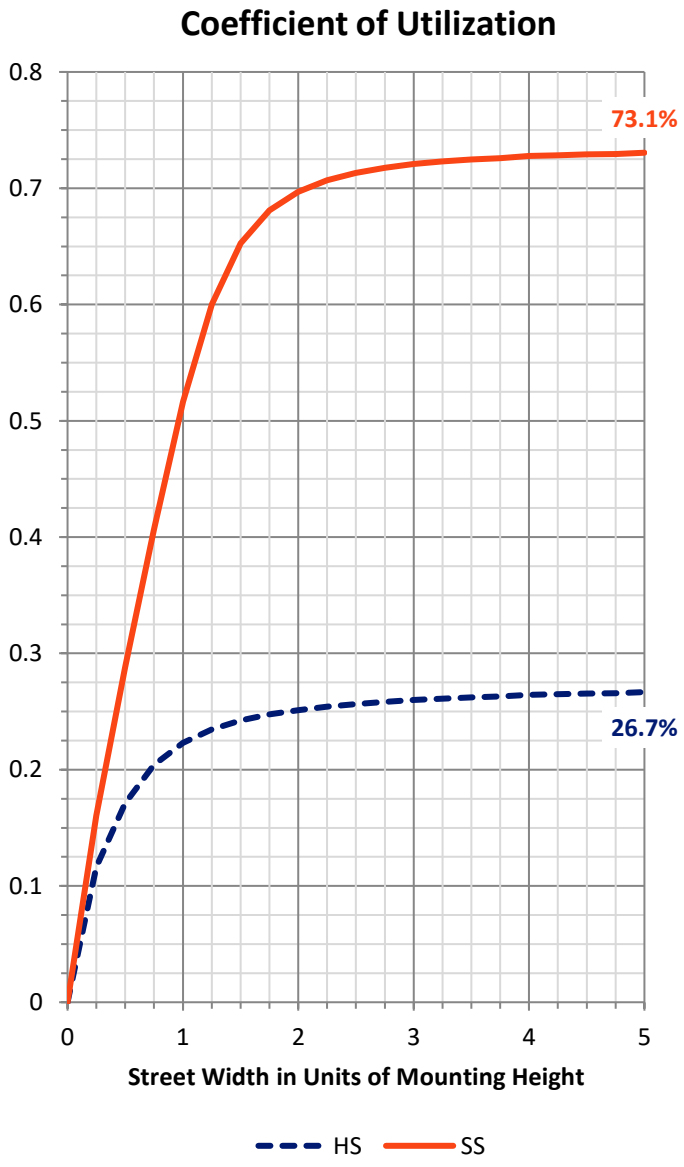
REPORT NUMBER: P1501585
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6695.0	0.0	6695.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	18201.7	0.0	18201.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	24896.8	0.0	24896.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.6	1.5
10°-20°	1082.7	4.3
20°-30°	2050.8	8.2
30°-40°	3615.5	14.5
40°-50°	5347.0	21.5
50°-60°	6278.8	25.2
60°-70°	4549.3	18.3
70°-80°	1402.9	5.6
80°-90°	193.1	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°	24896.8	100.0
0°-180°	24896.8	100.0



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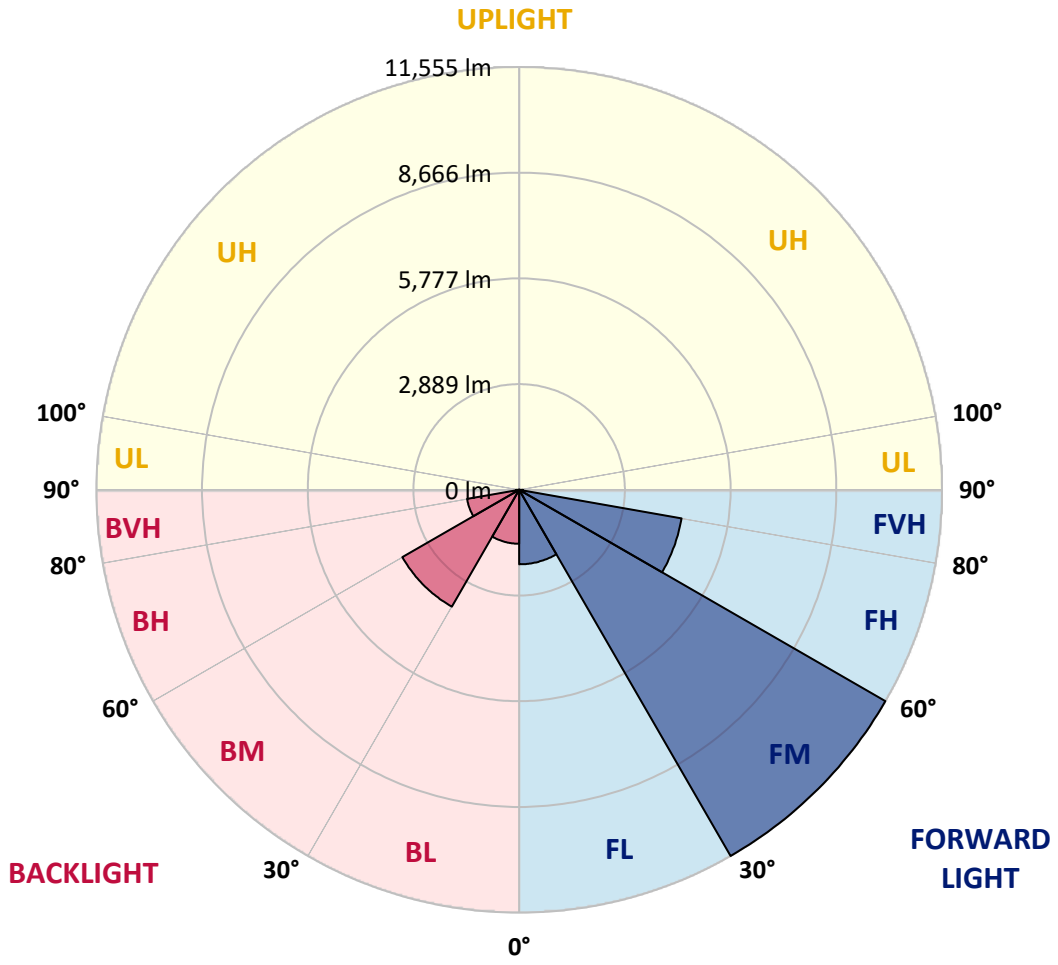
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2035.7	8.2			
FM	(30°-60°)	11554.8	46.4			
FH	(60°-80°)	4507.1	18.1			G2/5000
FVH	(80°-90°)	104.2	0.4			G2/225
BL	(0°-30°)	1474.5	5.9	B3/2500		
BM	(30°-60°)	3686.5	14.8	B3/5000		
BH	(60°-80°)	1445.1	5.8	B3/2500		G3/2500
BVH	(80°-90°)	89.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8
2.5°	4085.2	4096.6	4079.5	4090.9	4090.9	4073.9	4068.2	4045.5	4056.8	4051.2	4045.5
5°	4181.7	4187.3	4176.0	4193.0	4193.0	4198.7	4193.0	4164.6	4164.6	4164.6	4153.3
7.5°	4153.3	4153.3	4159.0	4215.7	4272.4	4346.2	4346.2	4334.9	4346.2	4340.5	4289.5
10°	3915.0	3937.7	3988.8	4130.6	4266.8	4425.6	4533.4	4567.5	4567.5	4573.2	4488.1
12.5°	3489.4	3506.5	3625.6	3841.2	4124.9	4414.3	4675.3	4845.5	4862.5	4890.9	4777.4
15°	3109.3	3120.6	3205.8	3427.0	3750.4	4261.1	4754.7	5106.5	5163.3	5282.4	5112.2
17.5°	3143.3	3137.7	3160.4	3245.5	3478.1	4011.4	4737.7	5412.9	5515.0	5725.0	5577.4
20°	3347.6	3347.6	3364.6	3381.6	3466.8	3829.9	4612.9	5662.6	5861.1	6269.7	6099.4
22.5°	3671.0	3671.0	3665.3	3693.7	3693.7	3909.3	4618.6	5849.8	6144.8	6876.8	6712.2
25°	4119.3	4096.6	4096.6	4107.9	4056.8	4210.0	4760.4	6042.7	6428.5	7597.4	7455.5
27.5°	4624.2	4641.3	4629.9	4590.2	4522.1	4641.3	5100.8	6343.4	6746.3	8357.7	8300.9
30°	5174.6	5180.3	5191.6	5168.9	5112.2	5197.3	5634.2	6797.3	7166.1	9152.0	9276.8
32.5°	5713.6	5793.1	5764.7	5707.9	5730.6	5883.8	6292.4	7410.1	7790.3	9889.6	10332.2
35°	6400.2	6428.5	6542.0	6332.1	6337.7	6598.7	7132.1	8215.8	8584.6	10655.6	11387.5
37.5°	7398.8	7449.8	7398.8	7069.7	7018.6	7381.7	7949.1	9010.2	9276.8	11234.3	12369.1
40°	8380.4	8442.8	8527.9	8142.0	7818.6	8119.4	8720.8	9617.3	9895.3	11552.1	13021.6
42.5°	9191.7	9293.9	9203.1	9089.6	8794.5	8851.3	9259.8	10088.2	10366.2	11954.9	13679.8
45°	9878.3	9895.3	9935.0	9855.6	9708.0	9657.0	9719.4	10502.4	10808.8	12136.5	14003.2
47.5°	10162.0	10235.7	10269.8	10405.9	10559.1	10457.0	10110.9	10695.3	10973.3	12125.1	14105.3
50°	10008.8	10082.5	10264.1	10587.5	10956.3	11137.9	10570.5	10962.0	11274.0	12329.4	14315.3
52.5°	9605.9	9685.4	9980.4	10349.2	10967.7	11381.8	11217.3	11518.0	11818.7	12692.5	14667.0
55°	8630.0	8749.2	9163.4	9776.1	10627.2	11251.3	11898.2	12335.1	12664.1	13129.4	15030.2
57.5°	7211.5	7336.4	7801.6	8720.8	9997.4	10712.3	12096.8	13867.0	14014.5	13651.4	15064.2
60°	*5401.6*	*5503.7*	*6161.9*	*6899.5*	*8397.4*	*9725.1*	*11983.3*	*15319.5*	*15694.0*	*13560.6*	*13980.5*
62.5°	4278.1	4402.9	4987.4	5327.8	6400.2	8034.2	11586.1	15722.4	16045.8	12811.7	12471.2
65°	3341.9	3427.0	3971.7	4459.7	4720.7	5486.7	9929.3	13753.5	14042.9	11591.8	10292.5
67.5°	2207.1	2337.6	2984.5	3654.0	3790.2	3489.4	6831.4	10581.8	10718.0	9214.4	7739.2
70°	1583.0	1645.4	2127.7	2842.6	3046.9	2337.6	3722.1	8011.5	8051.3	6184.6	5214.3
72.5°	1078.0	1089.4	1446.8	2178.8	2428.4	1696.5	2048.3	5276.7	5140.6	3052.6	2984.5
75°	731.9	743.3	924.8	1452.5	1719.2	1180.2	1333.4	2876.7	2763.2	1685.1	1810.0
77.5°	493.6	505.0	635.5	975.9	1146.1	817.0	975.9	1520.6	1492.2	1117.8	970.2
80°	374.5	391.5	470.9	624.1	800.0	476.6	556.0	720.6	731.9	595.8	493.6
82.5°	209.9	232.6	283.7	317.7	516.3	266.7	266.7	431.2	414.2	368.8	266.7
85°	90.8	96.5	113.5	119.2	209.9	113.5	96.5	187.2	192.9	181.6	85.1
87.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	22.7	22.7	22.7	22.7
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°	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8
2.5°	4017.1	4051.2	4017.1	4000.1	4000.1	3971.7	3960.4	3960.4	3920.7	3937.7	3926.3
5°	4107.9	4119.3	4079.5	4028.5	3960.4	3903.6	3824.2	3722.1	3659.7	3654.0	3659.7
7.5°	4249.8	4255.4	4147.6	4034.1	3863.9	3659.7	3415.7	3217.1	3041.2	3012.8	3046.9
10°	4448.3	4437.0	4278.1	4011.4	3654.0	3222.8	2848.3	2666.7	2564.6	2558.9	2553.3
12.5°	4715.0	4641.3	4397.3	3915.0	3290.9	2791.6	2598.6	2587.3	2615.7	2638.4	2644.0
15°	5021.4	4924.9	4493.7	3727.8	2922.1	2632.7	2644.0	2740.5	2774.5	2797.2	2797.2
17.5°	5401.6	5276.7	4601.5	3461.1	2734.8	2666.7	2746.2	2837.0	2893.7	2916.4	2910.7
20°	5906.5	5645.5	4686.6	3205.8	2683.8	2723.5	2791.6	2882.3	2939.1	2967.5	2967.5
22.5°	6411.5	6088.1	4703.7	3029.9	2683.8	2729.1	2791.6	2882.3	2944.8	2973.1	2967.5
25°	7098.1	6655.5	4709.3	2905.0	2689.4	2700.8	2757.5	2837.0	2927.7	2956.1	2967.5
27.5°	7830.0	7279.6	4737.7	2876.7	2666.7	2661.1	2700.8	2774.5	2865.3	2939.1	2944.8
30°	8737.8	7983.2	4749.1	2905.0	2672.4	2598.6	2627.0	2700.8	2797.2	2871.0	2893.7
32.5°	9628.6	8635.7	4726.4	2967.5	2683.8	2558.9	2564.6	2610.0	2712.1	2763.2	2802.9
35°	10570.5	9327.9	4686.6	3052.6	2689.4	2541.9	2490.8	2513.5	2581.6	2587.3	2604.3
37.5°	11308.1	9844.2	4567.5	3166.0	2700.8	2479.5	2377.4	2360.3	2332.0	2275.2	2286.6
40°	11915.2	10190.3	4368.9	3222.8	2672.4	2405.7	2235.5	2156.1	2048.3	1963.2	1980.2
42.5°	12352.1	10423.0	4130.6	3234.1	2627.0	2280.9	2071.0	1934.8	1815.6	1724.9	1730.5
45°	12545.0	10400.3	3875.3	3149.0	2519.2	2127.7	1917.8	1787.3	1656.8	1560.3	1549.0
47.5°	12550.7	10179.0	3523.5	2944.8	2337.6	1951.8	1775.9	1634.1	1526.3	1458.2	1452.5
50°	12596.1	10054.2	3194.4	2649.7	2099.3	1764.6	1651.1	1509.3	1446.8	1350.4	1322.0
52.5°	12879.8	10258.4	2967.5	2326.3	1878.1	1628.4	1543.3	1418.5	1316.3	1253.9	1248.3
55°	13339.3	10610.2	2842.6	2082.3	1668.1	1497.9	1441.2	1333.4	1242.6	1180.2	1163.1
57.5°	13396.1	10791.8	2695.1	1855.4	1497.9	1395.8	1373.1	1253.9	1123.4	1078.0	1061.0
60°	*12601.7*	*10485.4*	*2513.5*	*1645.4*	*1373.1*	*1316.3*	*1305.0*	*1146.1*	*1038.3*	*981.6*	*958.9*
62.5°	11518.0	9719.4	2235.5	1452.5	1276.6	1236.9	1191.5	1066.7	930.5	868.1	851.1
65°	9413.0	8170.4	1900.8	1322.0	1180.2	1134.8	1123.4	953.2	862.4	828.4	822.7
67.5°	7132.1	6564.7	1673.8	1225.6	1078.0	1061.0	1021.3	964.6	924.8	885.1	873.8
70°	5044.1	4737.7	1424.1	1100.7	975.9	947.5	1112.1	1049.7	907.8	856.8	851.1
72.5°	3058.2	2973.1	1231.2	987.3	839.7	885.1	1027.0	947.5	817.0	754.6	731.9
75°	1929.1	1764.6	1032.7	839.7	669.5	720.6	896.5	845.4	703.6	641.2	624.1
77.5°	1049.7	975.9	777.3	686.5	527.7	584.4	783.0	697.9	561.7	612.8	544.7
80°	459.6	510.7	516.3	397.2	351.8	431.2	561.7	544.7	431.2	436.9	363.1
82.5°	221.3	289.4	334.8	272.3	198.6	255.3	374.5	312.1	289.4	272.3	261.0
85°	68.1	107.8	147.5	130.5	90.8	107.8	175.9	170.2	204.3	175.9	164.5
87.5°	22.7	22.7	17.0	17.0	17.0	22.7	28.4	17.0	5.7	5.7	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°	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8
2.5°	3920.7	3926.3	3926.3	3932.0	3932.0	3949.0	3971.7	3994.4	3977.4	4000.1	4005.8
5°	3648.3	3676.7	3699.4	3784.5	3852.6	3909.3	3971.7	4028.5	4045.5	4056.8	4085.2
7.5°	3007.2	3086.6	3234.1	3427.0	3642.6	3852.6	3994.4	4141.9	4164.6	4193.0	4232.7
10°	2558.9	2593.0	2695.1	2893.7	3279.5	3693.7	4039.8	4272.4	4368.9	4425.6	4465.4
12.5°	2632.7	2610.0	2593.0	2621.3	2871.0	3404.3	4011.4	4459.7	4641.3	4703.7	4754.7
15°	2808.6	2785.9	2723.5	2644.0	2672.4	3098.0	3915.0	4635.6	4924.9	5027.1	5134.9
17.5°	2910.7	2888.0	2837.0	2751.8	2678.1	2842.6	3733.4	4794.4	5373.2	5498.0	5651.2
20°	2967.5	2944.8	2893.7	2808.6	2723.5	2746.2	3500.8	4993.0	5883.8	6082.4	6309.4
22.5°	2978.8	2950.4	2893.7	2808.6	2757.5	2740.5	3279.5	5112.2	6434.2	6740.6	7001.6
25°	2973.1	2922.1	2848.3	2785.9	2757.5	2751.8	3126.3	5180.3	7030.0	7517.9	7813.0
27.5°	2933.4	2871.0	2797.2	2751.8	2740.5	2774.5	3058.2	5259.7	7727.9	8352.0	8822.9
30°	2888.0	2797.2	2706.5	2689.4	2717.8	2825.6	3115.0	5288.1	8459.8	9259.8	9742.1
32.5°	2768.9	2700.8	2610.0	2604.3	2672.4	2865.3	3245.5	5248.4	9106.6	10167.6	10774.7
35°	2598.6	2558.9	2507.9	2524.9	2632.7	2899.4	3336.3	5123.5	9696.7	11013.0	11722.3
37.5°	2297.9	2326.3	2354.7	2394.4	2530.6	2893.7	3376.0	4924.9	10184.7	11688.2	12596.1
40°	1963.2	2059.6	2150.4	2252.5	2434.1	2848.3	3387.3	4681.0	10468.3	12198.9	13373.4
42.5°	1753.2	1844.0	1957.5	2105.0	2303.6	2746.2	3376.0	4408.6	10559.1	12550.7	13867.0
45°	1560.3	1668.1	1810.0	1963.2	2190.1	2598.6	3273.8	4113.6	10604.5	12715.2	14077.0
47.5°	1458.2	1520.6	1651.1	1804.3	2042.6	2417.1	3075.3	3898.0	10536.4	12749.3	14332.3
50°	1339.0	1424.1	1509.3	1656.8	1889.4	2190.1	2837.0	3773.1	10649.9	13084.0	14735.1
52.5°	1248.3	1293.6	1384.4	1520.6	1690.8	1980.2	2610.0	3671.0	10962.0	13424.5	15155.0
55°	1180.2	1231.2	1288.0	1401.5	1532.0	1770.3	2377.4	3517.8	11325.1	13787.6	15574.9
57.5°	1072.4	1106.4	1185.8	1305.0	1390.1	1566.0	2105.0	3336.3	11296.7	13503.9	14848.6
60°	*975.9*	*1010.0*	*1095.1*	*1214.2*	*1265.3*	*1384.4*	*1838.3*	*3103.6*	*10752.0*	*12579.0*	*13509.6*
62.5°	868.1	907.8	1010.0	1095.1	1140.5	1231.2	1560.3	2678.1	9617.3	11188.9	11943.6
65°	822.7	845.4	913.5	1015.6	1010.0	1095.1	1316.3	2105.0	7739.2	8550.6	9237.1
67.5°	873.8	907.8	896.5	924.8	907.8	953.2	1180.2	1690.8	6082.4	6439.9	6837.1
70°	862.4	941.9	981.6	924.8	794.3	845.4	1021.3	1350.4	4351.9	4317.8	4300.8
72.5°	754.6	834.1	947.5	1004.3	777.3	703.6	885.1	1168.8	2791.6	2780.2	2513.5
75°	641.2	697.9	834.1	907.8	669.5	567.4	760.3	992.9	1668.1	1690.8	1509.3
77.5°	590.1	561.7	697.9	800.0	544.7	436.9	612.8	749.0	919.2	930.5	862.4
80°	425.5	408.5	522.0	584.4	414.2	312.1	346.1	465.3	493.6	442.6	459.6
82.5°	272.3	278.0	312.1	374.5	255.3	170.2	238.3	312.1	266.7	215.6	255.3
85°	175.9	198.6	164.5	192.9	79.4	79.4	102.1	136.2	90.8	62.4	68.1
87.5°	0.0	0.0	11.3	22.7	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: P1501585
CATALOG NUMBER: GSS-SB6A-840-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4005.8	4005.8	*4005.8*	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8	4005.8
2.5°	4022.8	4017.1	*4017.1*	4028.5	4056.8	4068.2	4085.2	4079.5	4096.6	4085.2
5°	4102.2	4107.9	*4124.9*	4130.6	4147.6	4170.3	4176.0	4170.3	4181.7	4181.7
7.5°	4261.1	4283.8	*4272.4*	4300.8	4278.1	4249.8	4204.4	4170.3	4141.9	4153.3
10°	4527.8	4516.4	*4510.8*	4459.7	4357.6	4210.0	4090.9	3960.4	3937.7	3915.0
12.5°	4822.8	4811.5	*4811.5*	4635.6	4346.2	4039.8	3767.5	3563.2	3495.1	3489.4
15°	5237.0	5163.3	*5095.2*	4726.4	4147.6	3625.6	3307.9	3149.0	3109.3	3109.3
17.5°	5753.3	5560.4	*5446.9*	4658.3	3824.2	3353.3	3166.0	3126.3	3115.0	3143.3
20°	6394.5	5906.5	*5742.0*	4505.1	3705.1	3387.3	3296.5	3302.2	3307.9	3347.6
22.5°	7098.1	6224.3	*5951.9*	4505.1	3824.2	3602.9	3557.5	3619.9	3637.0	3671.0
25°	7881.0	6508.0	*6139.2*	4743.4	4176.0	4011.4	3954.7	4017.1	4062.5	4119.3
27.5°	8760.5	6803.0	*6462.6*	5174.6	4629.9	4527.8	4465.4	4493.7	4556.1	4624.2
30°	9549.2	7296.6	*6956.2*	5832.8	5248.4	5123.5	5015.7	5061.1	5129.2	5174.6
32.5°	10247.1	7898.1	*7608.7*	6525.0	5957.6	5742.0	5622.8	5611.5	5747.7	5713.6
35°	10888.2	8607.3	*8329.3*	7313.7	6678.2	6411.5	6252.6	6456.9	6366.1	6400.2
37.5°	11393.2	9344.9	*9123.6*	8068.3	7427.1	7064.0	6967.6	7217.2	7359.1	7398.8
40°	11807.4	9986.1	*9753.4*	8817.2	8113.7	7847.0	8000.2	8414.4	8397.4	8380.4
42.5°	12125.1	10536.4	*10281.1*	9384.6	8771.9	8822.9	8942.1	9220.1	9288.2	9191.7
45°	12267.0	10882.5	*10678.3*	9832.9	9520.8	9815.9	9866.9	9986.1	9940.7	9878.3
47.5°	12431.5	11188.9	*10973.3*	10241.4	10332.2	10621.5	10519.4	10423.0	10258.4	10162.0
50°	12709.5	11552.1	*11370.5*	10837.2	11166.2	11069.8	10672.6	10457.0	10122.2	10008.8
52.5°	13237.2	12238.6	*12102.4*	11779.0	11557.7	11001.7	10519.4	10133.6	9759.1	9605.9
55°	13708.1	13169.1	*13089.7*	12658.5	11438.6	10644.2	9997.4	9401.7	8760.5	8630.0
57.5°	13980.5	14712.4	*14803.2*	13033.0	10893.9	9832.9	8879.7	7926.4	7319.3	7211.5
60°	*13169.1*	*16380.6*	*16425.9*	*12959.2*	*9912.3*	*8369.0*	*6916.5*	*6241.3*	*5588.8*	*5401.6*
62.5°	12051.4	16034.4	*15994.7*	12516.6	7892.4	6105.1	5254.0	4936.3	4431.3	4278.1
65°	10360.5	13356.4	*13401.8*	10814.5	5248.4	4414.3	4414.3	4011.4	3449.7	3341.9
67.5°	8442.8	10298.1	*10196.0*	7012.9	3222.8	3534.8	3705.1	3126.3	2337.6	2207.1
70°	5486.7	7864.0	*7722.2*	4045.5	2025.6	2944.8	2916.4	2349.0	1673.8	1583.0
72.5°	2360.3	4544.8	*4834.2*	2065.3	1526.3	2371.7	2326.3	1645.4	1117.8	1078.0
75°	1424.1	2286.6	*2490.8*	1316.3	1112.1	1787.3	1611.4	1044.0	760.3	731.9
77.5°	902.2	1253.9	*1242.6*	987.3	834.1	1208.5	1083.7	720.6	516.3	493.6
80°	522.0	618.5	*641.2*	618.5	561.7	862.4	692.2	522.0	402.8	374.5
82.5°	334.8	385.8	*391.5*	300.7	312.1	556.0	374.5	306.4	232.6	209.9
85°	147.5	164.5	*158.9*	102.1	102.1	227.0	130.5	124.8	90.8	90.8
87.5°	5.7	11.3	*5.7*	5.7	5.7	22.7	11.3	17.0	17.0	17.0
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: SP1-2407-184-11

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

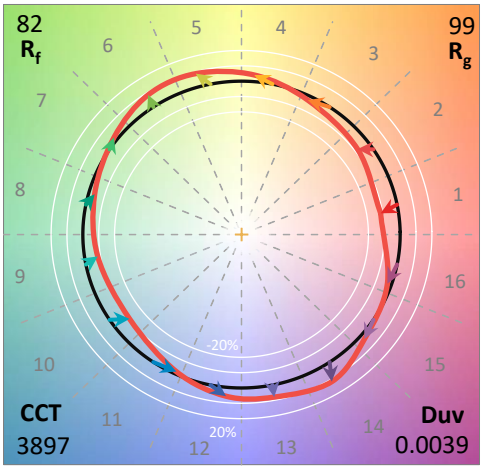
Test Information

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

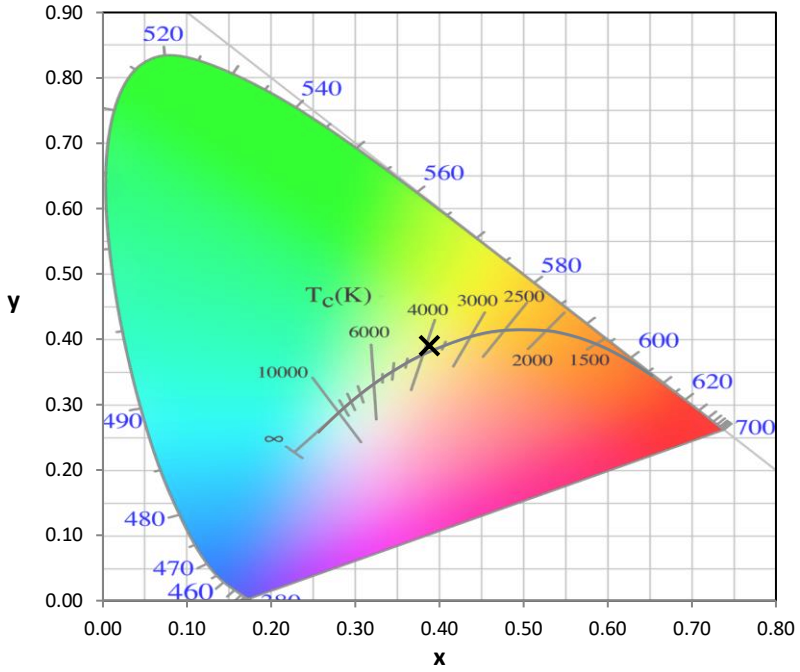
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

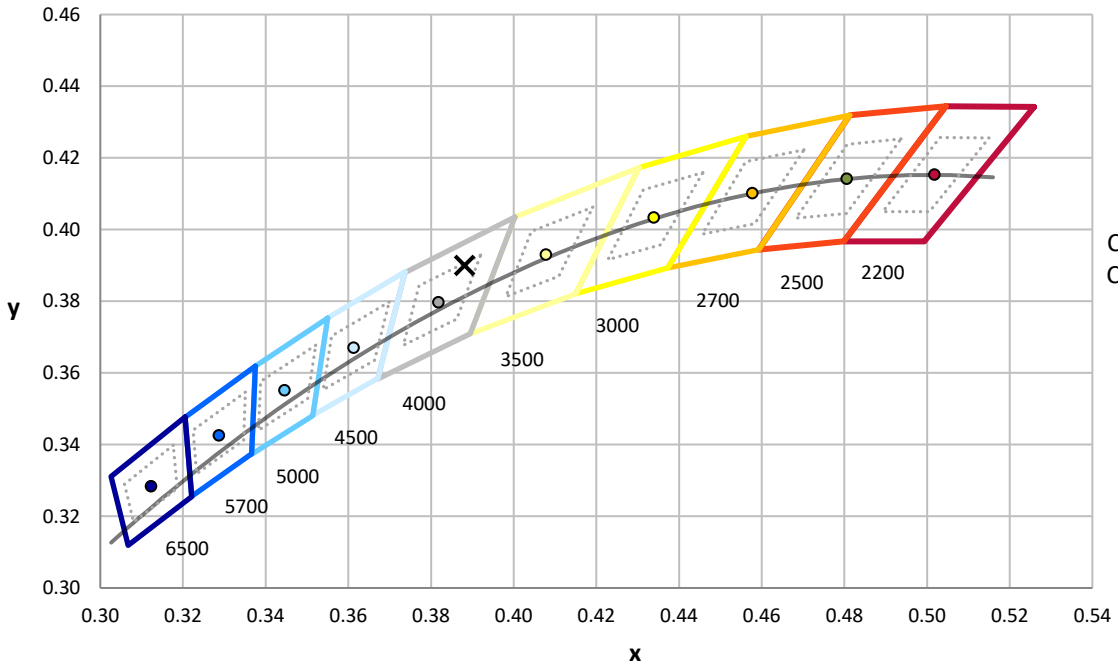
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

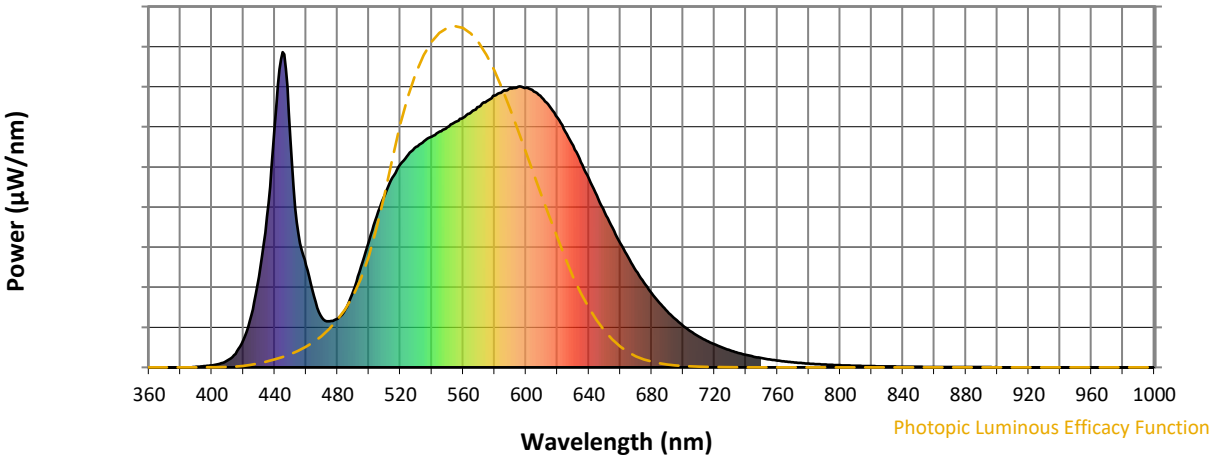


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

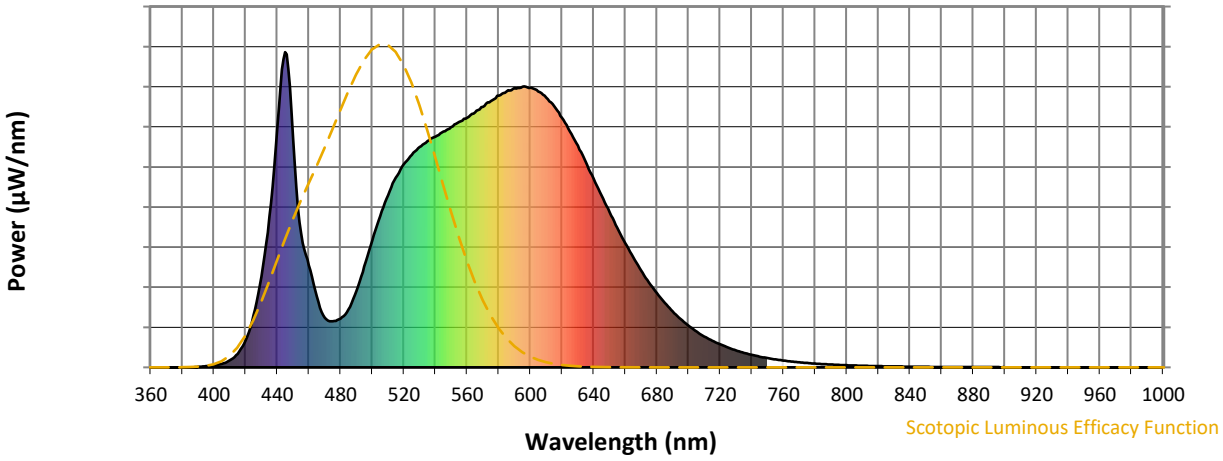


Photopic Lumens: NR

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

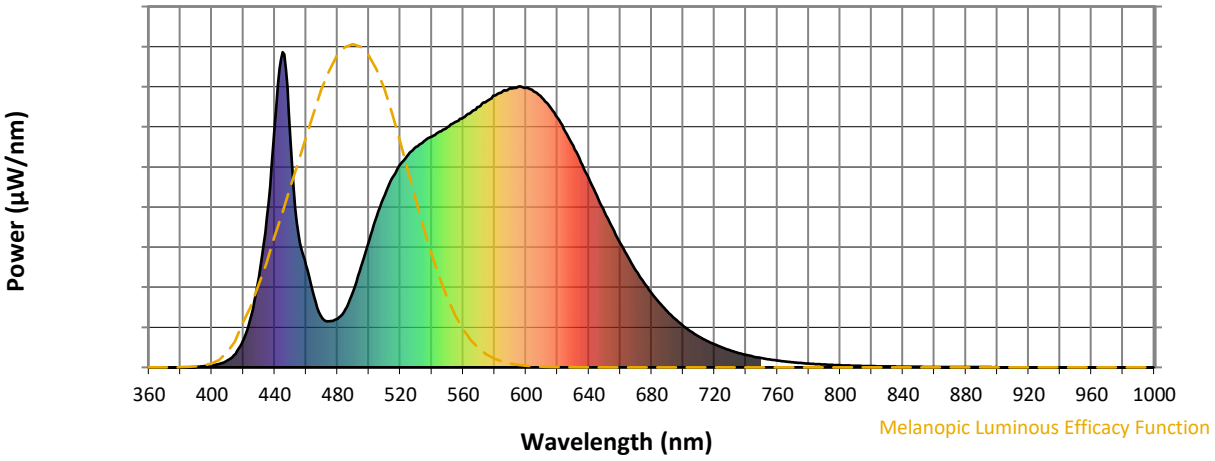


Scotopic Lumens: NR **S/P: 1.57**

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			

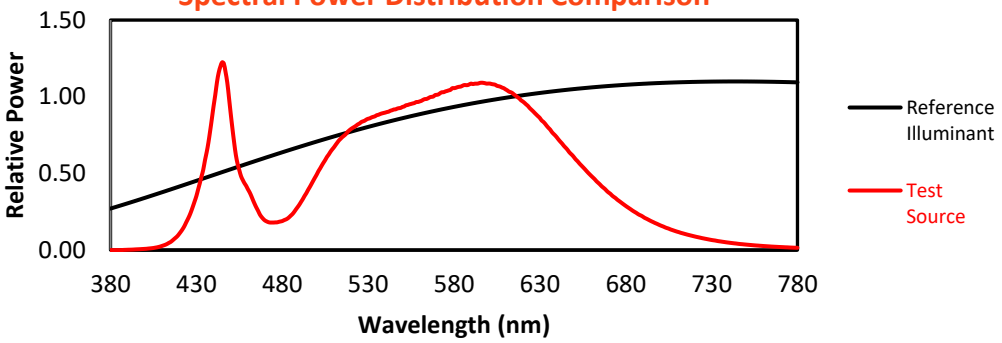
REPORT NUMBER: SP1-2407-184-11

TM-30-18

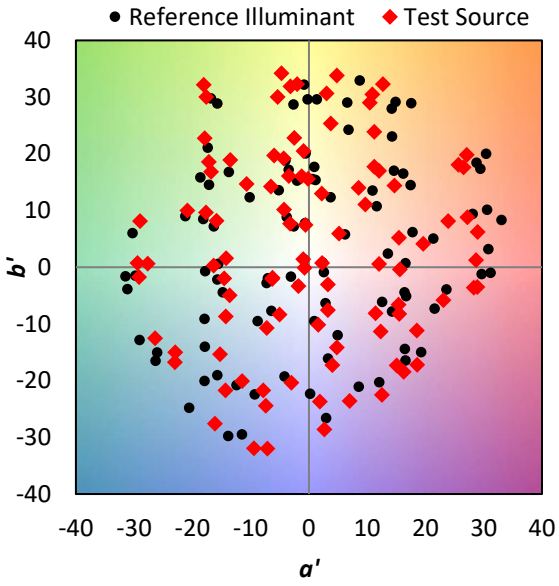
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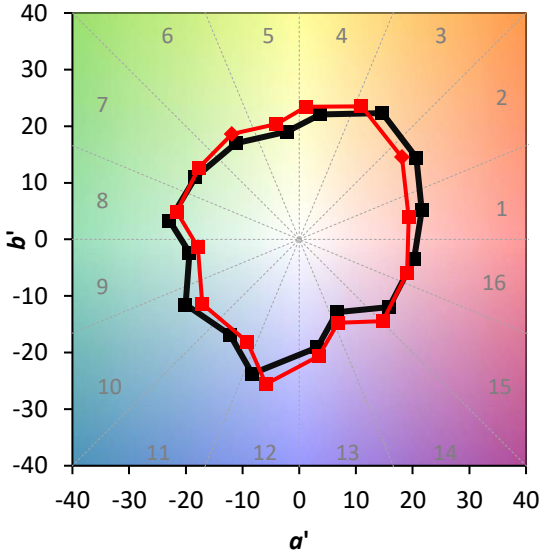
R_f = 81.8
R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

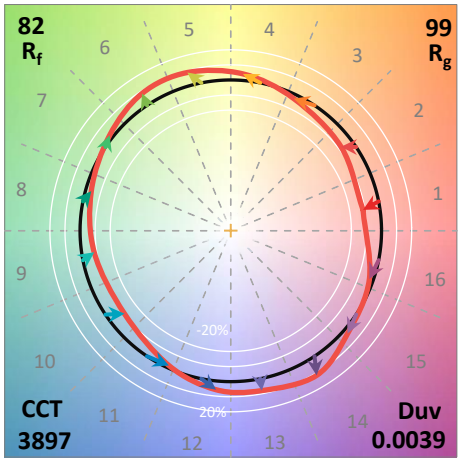
Spectral Power Distribution Comparison

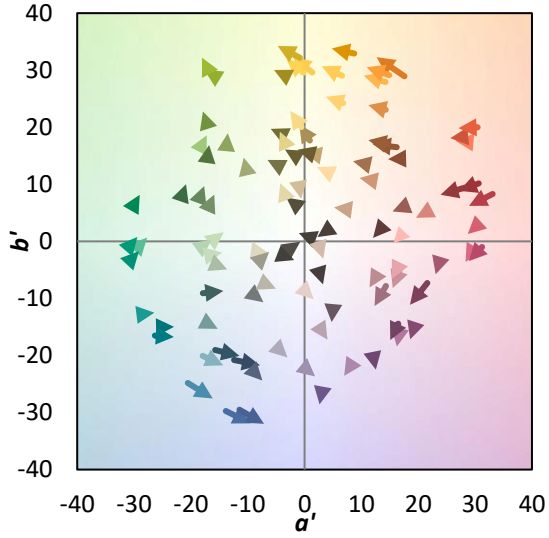


Color Vector Graphics







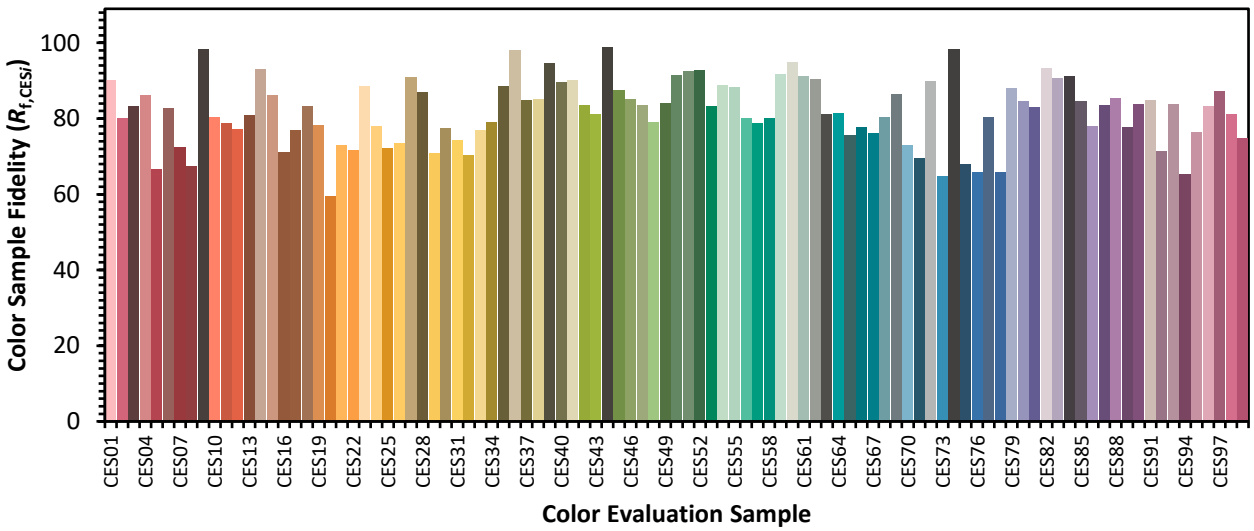


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Individual Sample Fidelity Index ($R_{f,i}$)

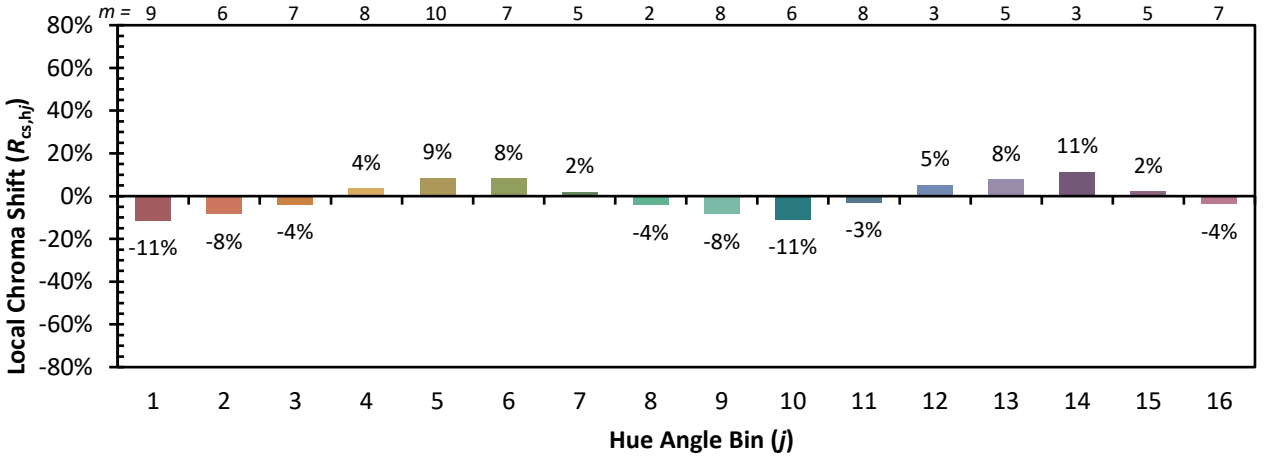
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 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	

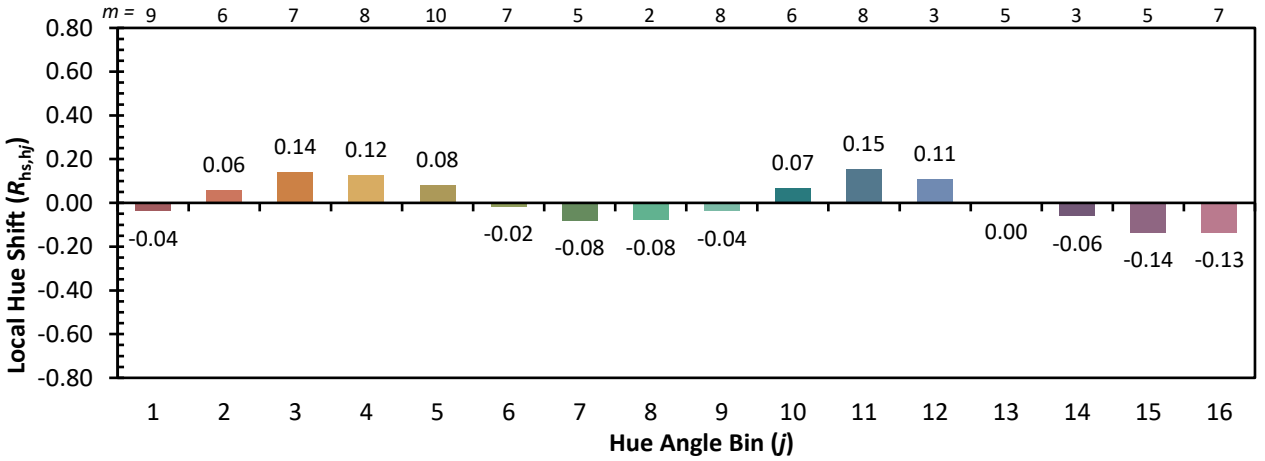


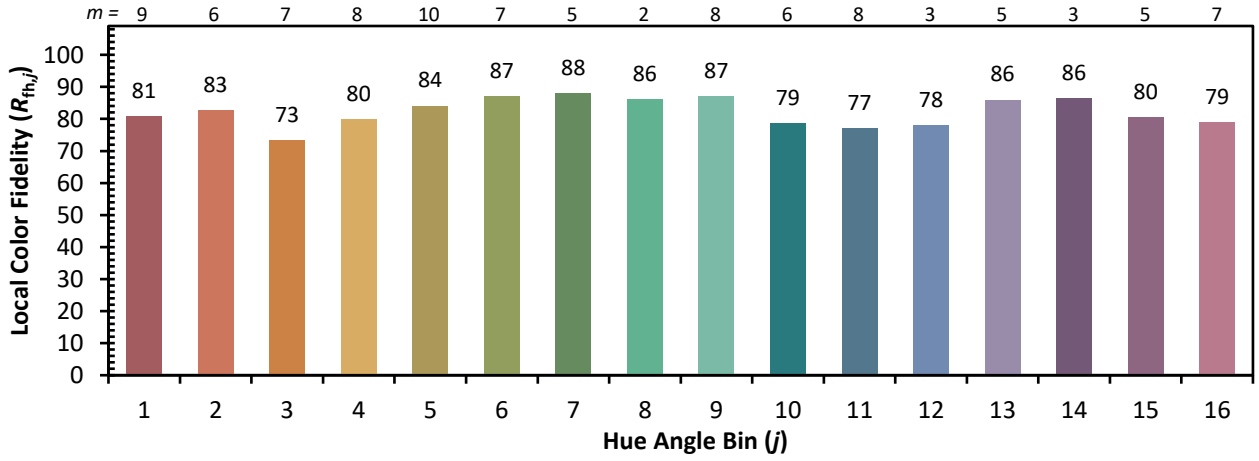
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Color Rendition by Hue-Angle Bin



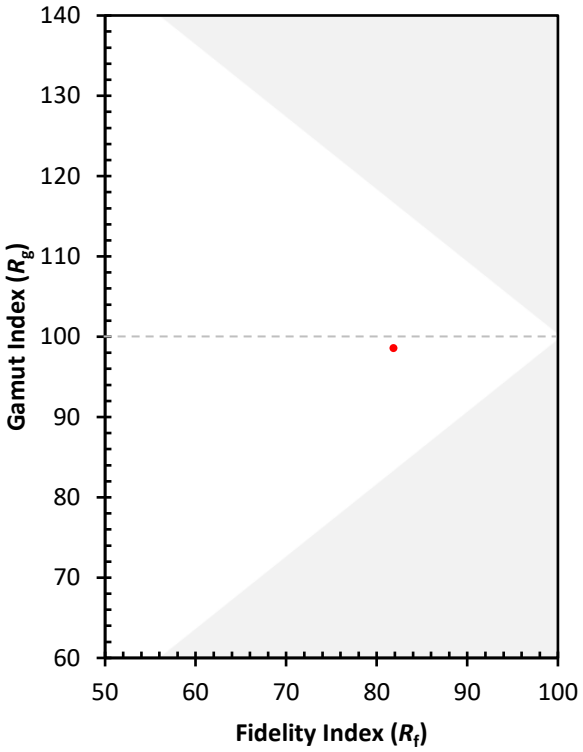


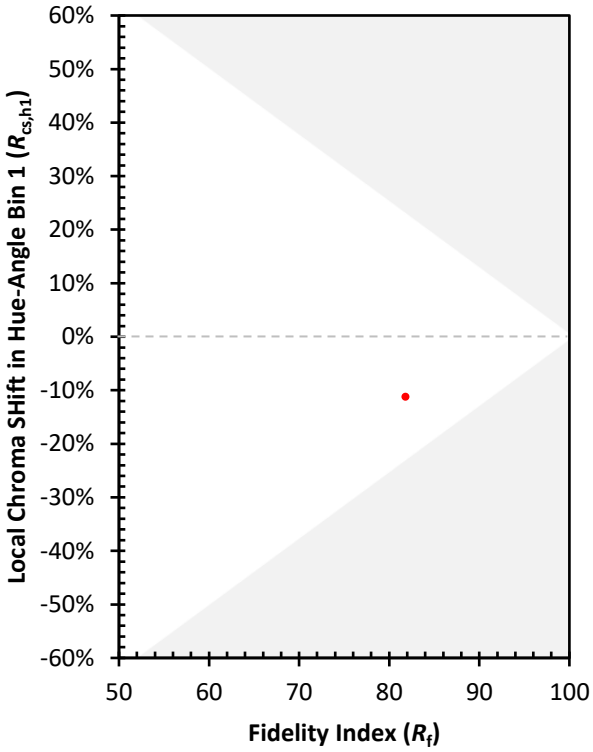


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Measure Comparisons





(END OF REPORT)