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: P1501599

Luminaire Tested: GSS-SB3C-850-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:	P1501599
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-850-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 5000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19836.4 lumens
Efficiency:	N/A
Efficacy:	132.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

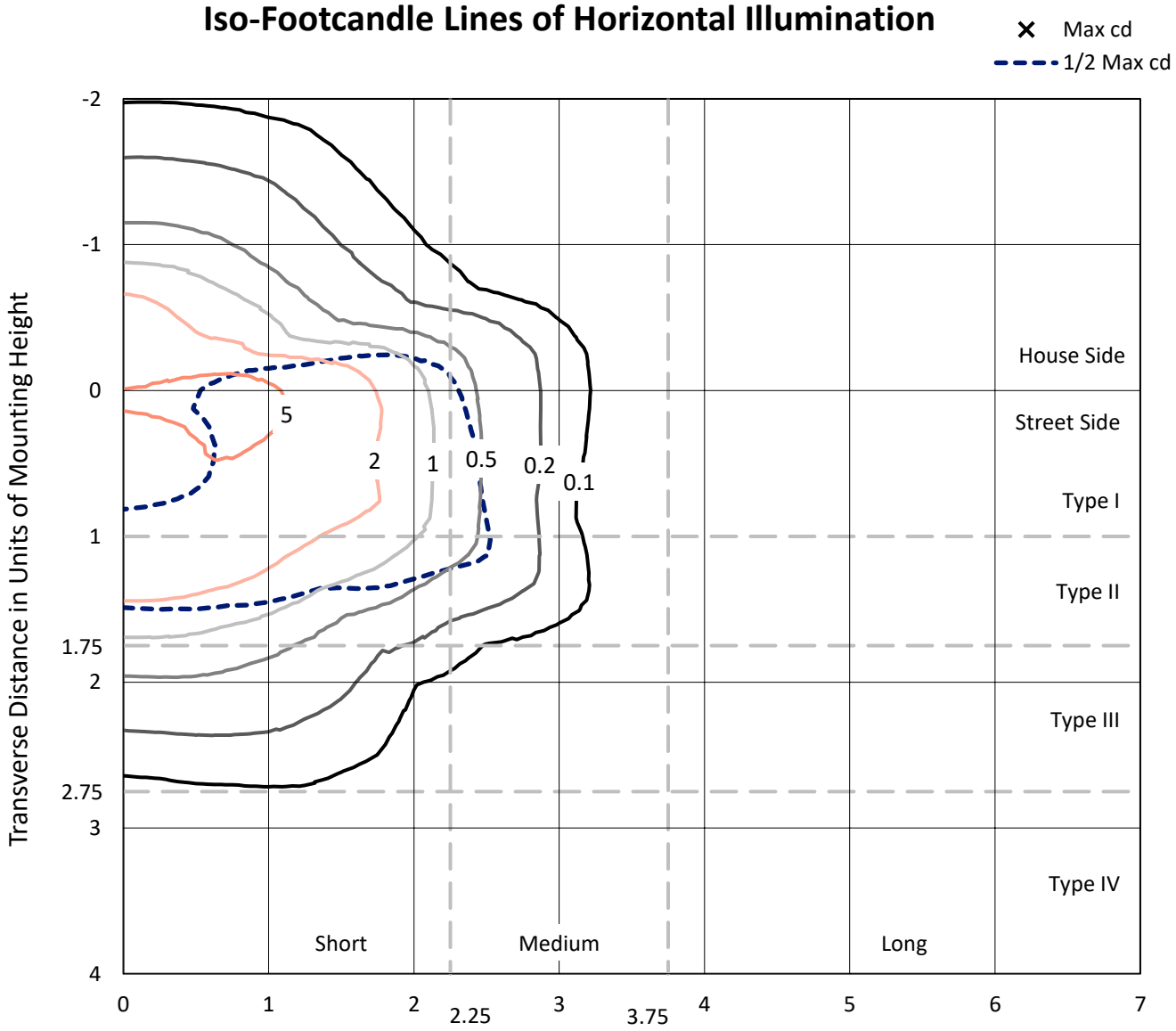
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



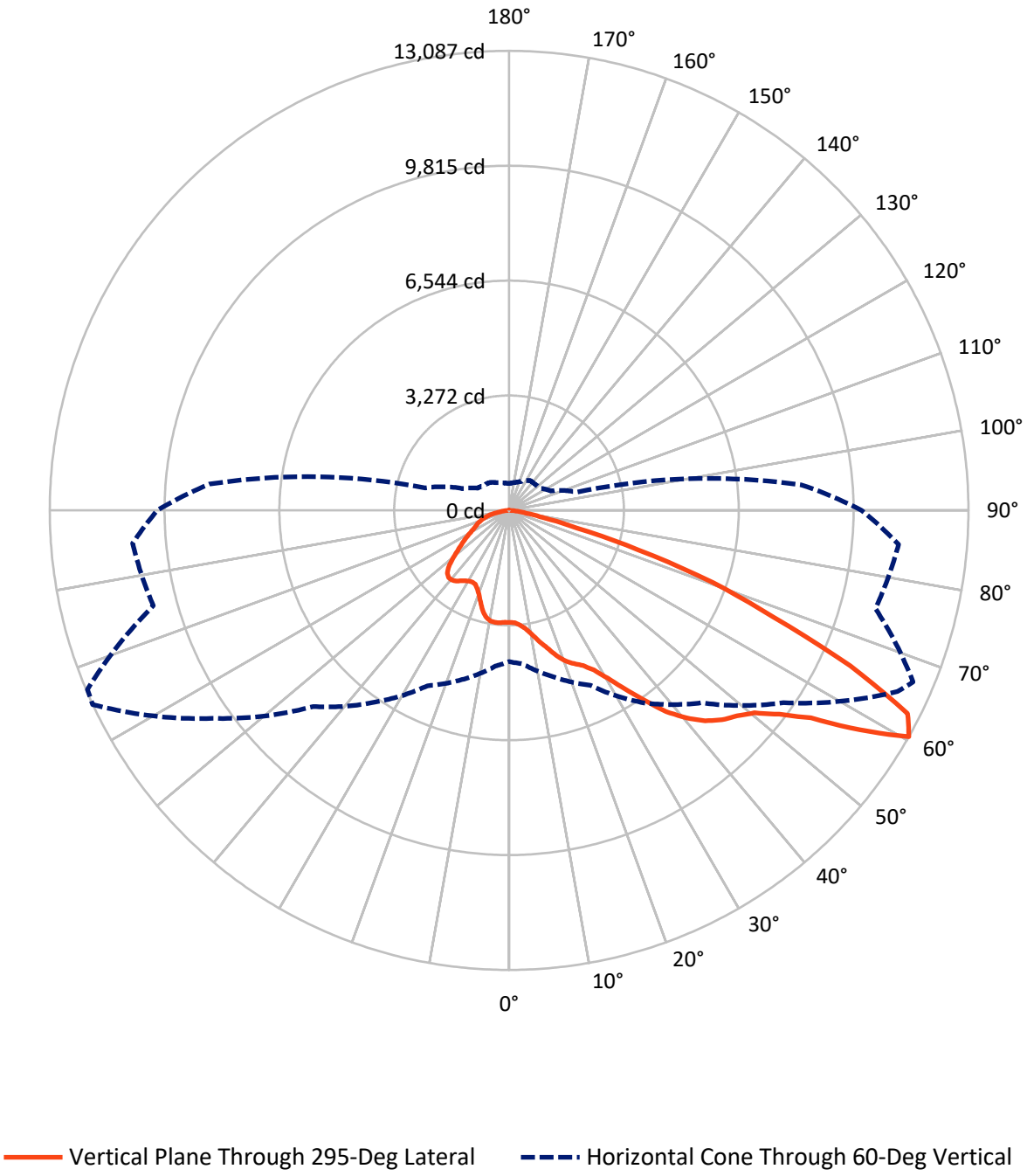
Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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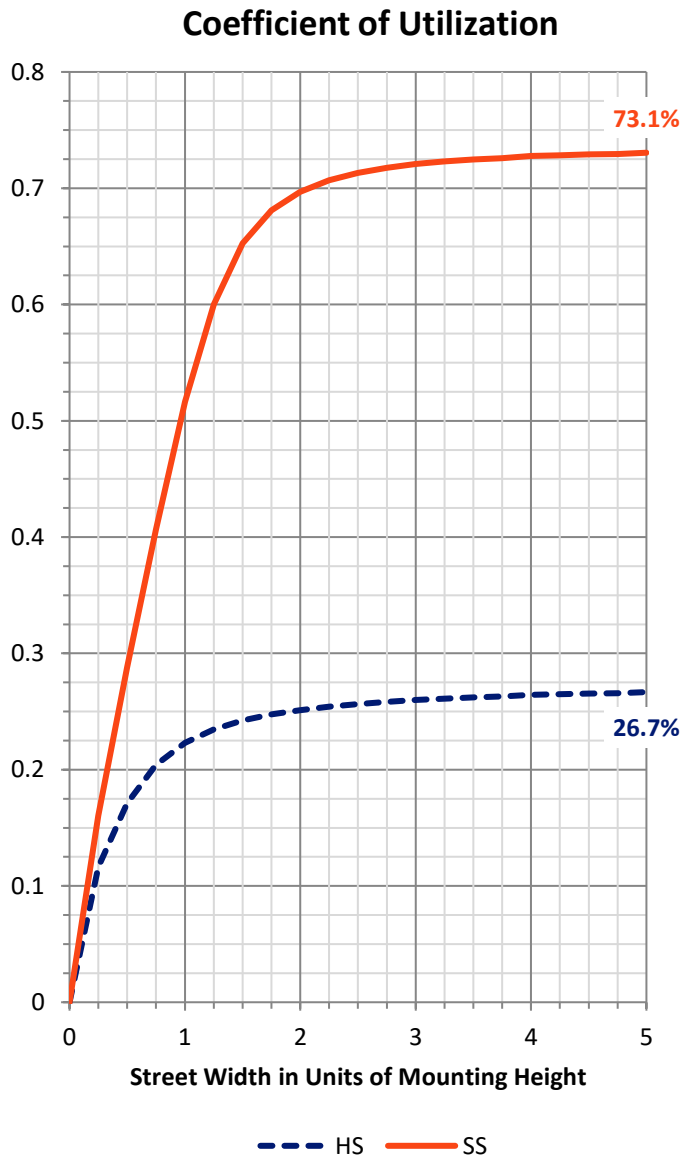
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5334.2	0.0	5334.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	14502.1	0.0	14502.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	19836.4	0.0	19836.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.1	1.5
10°-20°	862.6	4.3
20°-30°	1634.0	8.2
30°-40°	2880.6	14.5
40°-50°	4260.2	21.5
50°-60°	5002.6	25.2
60°-70°	3624.6	18.3
70°-80°	1117.8	5.6
80°-90°	153.9	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°	19836.4	100.0
0°-180°	19836.4	100.0



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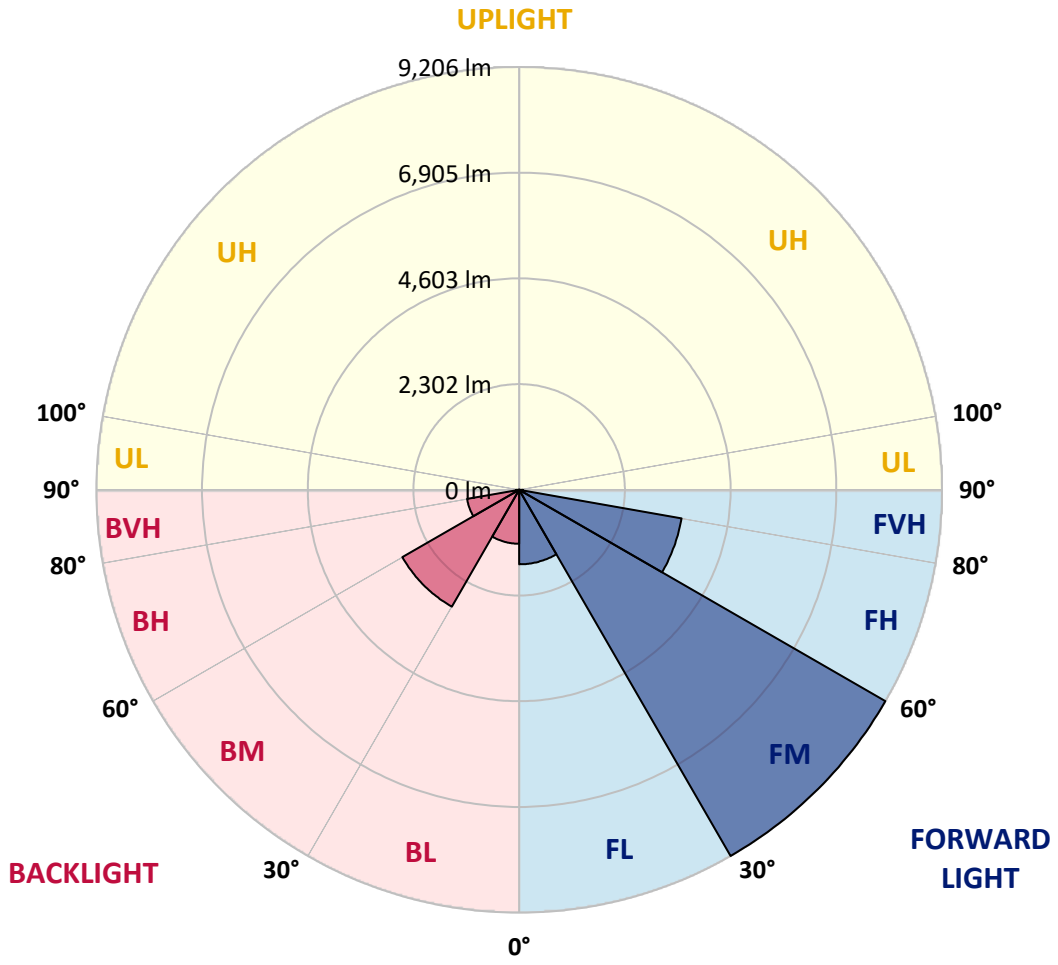
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1621.9	8.2			
FM	(30°-60°)	9206.2	46.4			
FH	(60°-80°)	3591.0	18.1			G2/5000
FVH	(80°-90°)	83.0	0.4			G1/100
BL	(0°-30°)	1174.8	5.9	B3/2500		
BM	(30°-60°)	2937.2	14.8	B3/5000		
BH	(60°-80°)	1151.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	70.9	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°	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6
2.5°	3254.9	3263.9	3250.3	3259.4	3259.4	3245.8	3241.3	3223.2	3232.3	3227.7	3223.2
5°	3331.7	3336.2	3327.2	3340.8	3340.8	3345.3	3340.8	3318.2	3318.2	3318.2	3309.1
7.5°	3309.1	3309.1	3313.6	3358.8	3404.1	3462.8	3462.8	3453.8	3462.8	3458.3	3417.6
10°	3119.3	3137.3	3178.0	3291.0	3399.5	3526.1	3612.0	3639.1	3639.1	3643.6	3575.8
12.5°	2780.2	2793.8	2888.7	3060.5	3286.5	3517.1	3725.0	3860.6	3874.2	3896.8	3806.4
15°	2477.3	2486.4	2554.2	2730.5	2988.2	3395.0	3788.3	4068.6	4113.8	4208.7	4073.1
17.5°	2504.4	2499.9	2518.0	2585.8	2771.2	3196.1	3774.7	4312.7	4394.1	4561.3	4443.8
20°	2667.2	2667.2	2680.7	2694.3	2762.1	3051.4	3675.3	4511.6	4669.8	4995.3	4859.7
22.5°	2924.9	2924.9	2920.3	2942.9	2942.9	3114.7	3679.8	4660.8	4895.9	5479.0	5347.9
25°	3282.0	3263.9	3263.9	3273.0	3232.3	3354.3	3792.8	4814.5	5121.9	6053.2	5940.1
27.5°	3684.3	3697.9	3688.9	3657.2	3603.0	3697.9	4064.1	5054.1	5375.1	6658.9	6613.7
30°	4122.8	4127.4	4136.4	4118.3	4073.1	4140.9	4489.0	5415.7	5709.6	7291.8	7391.3
32.5°	4552.3	4615.6	4593.0	4547.8	4565.9	4687.9	5013.4	5904.0	6206.9	7879.5	8232.1
35°	5099.3	5121.9	5212.3	5045.0	5049.6	5257.5	5682.5	6545.9	6839.7	8489.8	9073.0
37.5°	5894.9	5935.6	5894.9	5632.7	5592.0	5881.4	6333.4	7178.8	7391.3	8950.9	9855.0
40°	6677.0	6726.7	6794.5	6487.1	6229.5	6469.1	6948.2	7662.5	7884.0	9204.0	10374.9
42.5°	7323.5	7404.8	7332.5	7242.1	7007.0	7052.2	7377.7	8037.7	8259.2	9525.0	10899.3
45°	7870.5	7884.0	7915.7	7852.4	7734.8	7694.2	7743.9	8367.7	8611.8	9669.7	11157.0
47.5°	8096.5	8155.3	8182.4	8290.9	8412.9	8331.6	8055.8	8521.4	8742.9	9660.6	11238.3
50°	7974.4	8033.2	8177.9	8435.5	8729.4	8874.0	8422.0	8733.9	8982.5	9823.4	11405.6
52.5°	7653.5	7716.8	7951.8	8245.7	8738.4	9068.4	8937.3	9176.9	9416.5	10112.7	11685.9
55°	6875.9	6970.8	7300.9	7789.1	8467.2	8964.5	9479.8	9827.9	10090.1	10460.8	11975.2
57.5°	5745.8	5845.2	6215.9	6948.2	7965.4	8535.0	9638.0	11048.5	11166.0	10876.7	12002.3
60°	*4303.7*	*4385.0*	*4909.4*	*5497.1*	*6690.6*	*7748.4*	*9547.6*	*12205.8*	*12504.1*	*10804.4*	*11138.9*
62.5°	3408.6	3508.0	3973.7	4244.9	5099.3	6401.2	9231.2	12526.7	12784.4	10207.6	9936.4
65°	2662.7	2730.5	3164.5	3553.2	3761.2	4371.5	7911.1	10958.1	11188.6	9235.7	8200.5
67.5°	1758.5	1862.5	2377.9	2911.3	3019.8	2780.2	5442.9	8431.0	8539.5	7341.5	6166.2
70°	1261.3	1311.0	1695.2	2264.8	2427.6	1862.5	2965.5	6383.2	6414.8	4927.5	4154.5
72.5°	858.9	868.0	1152.8	1735.9	1934.8	1351.7	1632.0	4204.2	4095.7	2432.1	2377.9
75°	583.2	592.2	736.9	1157.3	1369.8	940.3	1062.4	2292.0	2201.6	1342.6	1442.1
77.5°	393.3	402.3	506.3	777.6	913.2	651.0	777.6	1211.5	1188.9	890.6	773.0
80°	298.4	311.9	375.2	497.3	637.4	379.7	443.0	574.1	583.2	474.7	393.3
82.5°	167.3	185.3	226.0	253.2	411.4	212.5	212.5	343.6	330.0	293.8	212.5
85°	72.3	76.9	90.4	94.9	167.3	90.4	76.9	149.2	153.7	144.7	67.8
87.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	18.1	18.1	18.1	18.1
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°	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6
2.5°	3200.6	3227.7	3200.6	3187.1	3187.1	3164.5	3155.4	3155.4	3123.8	3137.3	3128.3
5°	3273.0	3282.0	3250.3	3209.7	3155.4	3110.2	3046.9	2965.5	2915.8	2911.3	2915.8
7.5°	3386.0	3390.5	3304.6	3214.2	3078.6	2915.8	2721.4	2563.2	2423.1	2400.5	2427.6
10°	3544.2	3535.2	3408.6	3196.1	2911.3	2567.7	2269.4	2124.7	2043.3	2038.8	2034.3
12.5°	3756.7	3697.9	3503.5	3119.3	2622.0	2224.2	2070.5	2061.4	2084.0	2102.1	2106.6
15°	4000.8	3923.9	3580.4	2970.1	2328.1	2097.6	2106.6	2183.5	2210.6	2228.7	2228.7
17.5°	4303.7	4204.2	3666.2	2757.6	2179.0	2124.7	2188.0	2260.3	2305.5	2323.6	2319.1
20°	4706.0	4498.0	3734.1	2554.2	2138.3	2169.9	2224.2	2296.5	2341.7	2364.3	2364.3
22.5°	5108.3	4850.7	3747.6	2414.0	2138.3	2174.4	2224.2	2296.5	2346.2	2368.8	2364.3
25°	5655.3	5302.7	3752.1	2314.6	2142.8	2151.8	2197.0	2260.3	2332.7	2355.3	2364.3
27.5°	6238.5	5800.0	3774.7	2292.0	2124.7	2120.2	2151.8	2210.6	2282.9	2341.7	2346.2
30°	6961.8	6360.6	3783.8	2314.6	2129.2	2070.5	2093.1	2151.8	2228.7	2287.5	2305.5
32.5°	7671.5	6880.4	3765.7	2364.3	2138.3	2038.8	2043.3	2079.5	2160.9	2201.6	2233.2
35°	8422.0	7432.0	3734.1	2432.1	2142.8	2025.3	1984.6	2002.6	2056.9	2061.4	2075.0
37.5°	9009.7	7843.3	3639.1	2522.5	2151.8	1975.5	1894.2	1880.6	1858.0	1812.8	1821.8
40°	9493.4	8119.1	3480.9	2567.7	2129.2	1916.8	1781.1	1717.8	1632.0	1564.1	1577.7
42.5°	9841.5	8304.4	3291.0	2576.8	2093.1	1817.3	1650.0	1541.5	1446.6	1374.3	1378.8
45°	9995.2	8286.4	3087.6	2509.0	2007.2	1695.2	1528.0	1424.0	1320.0	1243.2	1234.1
47.5°	9999.7	8110.1	2807.3	2346.2	1862.5	1555.1	1415.0	1301.9	1216.1	1161.8	1157.3
50°	10035.8	8010.6	2545.1	2111.1	1672.6	1405.9	1315.5	1202.5	1152.8	1075.9	1053.3
52.5°	10261.9	8173.3	2364.3	1853.5	1496.3	1297.4	1229.6	1130.2	1048.8	999.1	994.5
55°	10628.1	8453.6	2264.8	1659.1	1329.1	1193.5	1148.2	1062.4	990.0	940.3	926.7
57.5°	10673.3	8598.3	2147.3	1478.3	1193.5	1112.1	1094.0	999.1	895.1	858.9	845.4
60°	*10040.4*	*8354.2*	*2002.6*	*1311.0*	*1094.0*	*1048.8*	*1039.8*	*913.2*	*827.3*	*782.1*	*764.0*
62.5°	9176.9	7743.9	1781.1	1157.3	1017.1	985.5	949.3	849.9	741.4	691.7	678.1
65°	7499.8	6509.7	1514.4	1053.3	940.3	904.1	895.1	759.5	687.1	660.0	655.5
67.5°	5682.5	5230.4	1333.6	976.5	858.9	845.4	813.7	768.5	736.9	705.2	696.2
70°	4018.9	3774.7	1134.7	877.0	777.6	754.9	886.0	836.3	723.3	682.6	678.1
72.5°	2436.6	2368.8	981.0	786.6	669.1	705.2	818.2	754.9	651.0	601.2	583.2
75°	1537.0	1405.9	822.8	669.1	533.4	574.1	714.3	673.6	560.6	510.8	497.3
77.5°	836.3	777.6	619.3	547.0	420.4	465.6	623.9	556.0	447.5	488.2	434.0
80°	366.2	406.9	411.4	316.4	280.3	343.6	447.5	434.0	343.6	348.1	289.3
82.5°	176.3	230.6	266.7	217.0	158.2	203.4	298.4	248.6	230.6	217.0	208.0
85°	54.2	85.9	117.5	104.0	72.3	85.9	140.1	135.6	162.7	140.1	131.1
87.5°	18.1	18.1	13.6	13.6	13.6	18.1	22.6	13.6	4.5	4.5	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°	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6
2.5°	3123.8	3128.3	3128.3	3132.8	3132.8	3146.4	3164.5	3182.5	3169.0	3187.1	3191.6
5°	2906.8	2929.4	2947.5	3015.3	3069.5	3114.7	3164.5	3209.7	3223.2	3232.3	3254.9
7.5°	2395.9	2459.2	2576.8	2730.5	2902.3	3069.5	3182.5	3300.1	3318.2	3340.8	3372.4
10°	2038.8	2065.9	2147.3	2305.5	2612.9	2942.9	3218.7	3404.1	3480.9	3526.1	3557.8
12.5°	2097.6	2079.5	2065.9	2088.5	2287.5	2712.4	3196.1	3553.2	3697.9	3747.6	3788.3
15°	2237.7	2219.6	2169.9	2106.6	2129.2	2468.3	3119.3	3693.4	3923.9	4005.3	4091.2
17.5°	2319.1	2301.0	2260.3	2192.5	2133.7	2264.8	2974.6	3820.0	4281.1	4380.5	4502.6
20°	2364.3	2346.2	2305.5	2237.7	2169.9	2188.0	2789.2	3978.2	4687.9	4846.1	5027.0
22.5°	2373.3	2350.7	2305.5	2237.7	2197.0	2183.5	2612.9	4073.1	5126.4	5370.5	5578.5
25°	2368.8	2328.1	2269.4	2219.6	2197.0	2192.5	2490.9	4127.4	5601.1	5989.9	6224.9
27.5°	2337.2	2287.5	2228.7	2192.5	2183.5	2210.6	2436.6	4190.6	6157.1	6654.4	7029.6
30°	2301.0	2228.7	2156.4	2142.8	2165.4	2251.3	2481.8	4213.2	6740.3	7377.7	7762.0
32.5°	2206.1	2151.8	2079.5	2075.0	2129.2	2282.9	2585.8	4181.6	7255.6	8101.0	8584.7
35°	2070.5	2038.8	1998.1	2011.7	2097.6	2310.1	2658.1	4082.1	7725.8	8774.6	9339.7
37.5°	1830.9	1853.5	1876.1	1907.7	2016.2	2305.5	2689.8	3923.9	8114.6	9312.5	10035.8
40°	1564.1	1641.0	1713.3	1794.7	1939.4	2269.4	2698.8	3729.5	8340.6	9719.4	10655.2
42.5°	1396.9	1469.2	1559.6	1677.2	1835.4	2188.0	2689.8	3512.5	8412.9	9999.7	11048.5
45°	1243.2	1329.1	1442.1	1564.1	1745.0	2070.5	2608.4	3277.5	8449.1	10130.8	11215.7
47.5°	1161.8	1211.5	1315.5	1437.6	1627.4	1925.8	2450.2	3105.7	8394.9	10157.9	11419.2
50°	1066.9	1134.7	1202.5	1320.0	1505.4	1745.0	2260.3	3006.2	8485.3	10424.6	11740.1
52.5°	994.5	1030.7	1103.0	1211.5	1347.2	1577.7	2079.5	2924.9	8733.9	10695.9	12074.7
55°	940.3	981.0	1026.2	1116.6	1220.6	1410.4	1894.2	2802.8	9023.2	10985.2	12409.2
57.5°	854.4	881.5	944.8	1039.8	1107.6	1247.7	1677.2	2658.1	9000.6	10759.2	11830.5
60°	*777.6*	*804.7*	*872.5*	*967.4*	*1008.1*	*1103.0*	*1464.7*	*2472.8*	*8566.6*	*10022.3*	*10763.7*
62.5°	691.7	723.3	804.7	872.5	908.7	981.0	1243.2	2133.7	7662.5	8914.7	9516.0
65°	655.5	673.6	727.8	809.2	804.7	872.5	1048.8	1677.2	6166.2	6812.6	7359.6
67.5°	696.2	723.3	714.3	736.9	723.3	759.5	940.3	1347.2	4846.1	5130.9	5447.4
70°	687.1	750.4	782.1	736.9	632.9	673.6	813.7	1075.9	3467.3	3440.2	3426.7
72.5°	601.2	664.5	754.9	800.2	619.3	560.6	705.2	931.3	2224.2	2215.1	2002.6
75°	510.8	556.0	664.5	723.3	533.4	452.1	605.8	791.1	1329.1	1347.2	1202.5
77.5°	470.1	447.5	556.0	637.4	434.0	348.1	488.2	596.7	732.3	741.4	687.1
80°	339.0	325.5	415.9	465.6	330.0	248.6	275.8	370.7	393.3	352.6	366.2
82.5°	217.0	221.5	248.6	298.4	203.4	135.6	189.9	248.6	212.5	171.8	203.4
85°	140.1	158.2	131.1	153.7	63.3	63.3	81.4	108.5	72.3	49.7	54.2
87.5°	0.0	0.0	9.0	18.1	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: P1501599
CATALOG NUMBER: GSS-SB3C-850-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3191.6	3191.6	*3191.6*	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6	3191.6
2.5°	3205.1	3200.6	*3200.6*	3209.7	3232.3	3241.3	3254.9	3250.3	3263.9	3254.9
5°	3268.4	3273.0	*3286.5*	3291.0	3304.6	3322.7	3327.2	3322.7	3331.7	3331.7
7.5°	3395.0	3413.1	*3404.1*	3426.7	3408.6	3386.0	3349.8	3322.7	3300.1	3309.1
10°	3607.5	3598.4	*3593.9*	3553.2	3471.9	3354.3	3259.4	3155.4	3137.3	3119.3
12.5°	3842.6	3833.5	*3833.5*	3693.4	3462.8	3218.7	3001.7	2839.0	2784.7	2780.2
15°	4172.6	4113.8	*4059.5*	3765.7	3304.6	2888.7	2635.5	2509.0	2477.3	2477.3
17.5°	4583.9	4430.2	*4339.8*	3711.5	3046.9	2671.7	2522.5	2490.9	2481.8	2504.4
20°	5094.8	4706.0	*4574.9*	3589.4	2952.0	2698.8	2626.5	2631.0	2635.5	2667.2
22.5°	5655.3	4959.2	*4742.2*	3589.4	3046.9	2870.6	2834.4	2884.2	2897.7	2924.9
25°	6279.2	5185.2	*4891.3*	3779.3	3327.2	3196.1	3150.9	3200.6	3236.8	3282.0
27.5°	6979.9	5420.3	*5149.0*	4122.8	3688.9	3607.5	3557.8	3580.4	3630.1	3684.3
30°	7608.3	5813.6	*5542.3*	4647.2	4181.6	4082.1	3996.3	4032.4	4086.7	4122.8
32.5°	8164.3	6292.7	*6062.2*	5198.8	4746.7	4574.9	4480.0	4470.9	4579.4	4552.3
35°	8675.1	6857.8	*6636.3*	5827.1	5320.8	5108.3	4981.8	5144.5	5072.2	5099.3
37.5°	9077.5	7445.5	*7269.2*	6428.4	5917.5	5628.2	5551.4	5750.3	5863.3	5894.9
40°	9407.5	7956.3	*7771.0*	7025.1	6464.5	6252.1	6374.1	6704.1	6690.6	6677.0
42.5°	9660.6	8394.9	*8191.4*	7477.2	6988.9	7029.6	7124.5	7346.1	7400.3	7323.5
45°	9773.7	8670.6	*8507.9*	7834.3	7585.7	7820.7	7861.4	7956.3	7920.2	7870.5
47.5°	9904.8	8914.7	*8742.9*	8159.8	8232.1	8462.7	8381.3	8304.4	8173.3	8096.5
50°	10126.3	9204.0	*9059.4*	8634.4	8896.6	8819.8	8503.3	8331.6	8064.8	7974.4
52.5°	10546.7	9751.0	*9642.6*	9384.9	9208.6	8765.5	8381.3	8073.9	7775.5	7653.5
55°	10921.9	10492.4	*10429.1*	10085.6	9113.6	8480.7	7965.4	7490.7	6979.9	6875.9
57.5°	11138.9	11722.1	*11794.4*	10383.9	8679.7	7834.3	7074.8	6315.4	5831.6	5745.8
60°	*10492.4*	*13051.1*	*13087.3*	*10325.2*	*7897.6*	*6668.0*	*5510.7*	*4972.7*	*4452.8*	*4303.7*
62.5°	9601.9	12775.4	*12743.7*	9972.6	6288.2	4864.2	4186.1	3933.0	3530.6	3408.6
65°	8254.7	10641.6	*10677.8*	8616.4	4181.6	3517.1	3517.1	3196.1	2748.6	2662.7
67.5°	6726.7	8205.0	*8123.6*	5587.5	2567.7	2816.4	2952.0	2490.9	1862.5	1758.5
70°	4371.5	6265.6	*6152.6*	3223.2	1613.9	2346.2	2323.6	1871.6	1333.6	1261.3
72.5°	1880.6	3621.0	*3851.6*	1645.5	1216.1	1889.6	1853.5	1311.0	890.6	858.9
75°	1134.7	1821.8	*1984.6*	1048.8	886.0	1424.0	1283.9	831.8	605.8	583.2
77.5°	718.8	999.1	*990.0*	786.6	664.5	962.9	863.4	574.1	411.4	393.3
80°	415.9	492.8	*510.8*	492.8	447.5	687.1	551.5	415.9	321.0	298.4
82.5°	266.7	307.4	*311.9*	239.6	248.6	443.0	298.4	244.1	185.3	167.3
85°	117.5	131.1	*126.6*	81.4	81.4	180.8	104.0	99.5	72.3	72.3
87.5°	4.5	9.0	*4.5*	4.5	4.5	18.1	9.0	13.6	13.6	13.6
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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

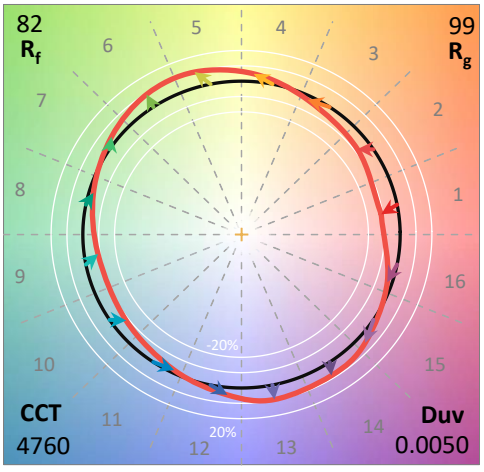
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-12
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-850-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4760
CIE u':	0.2107
CIE v':	0.4939
Duv:	0.0050
CIE x:	0.3537
CIE y:	0.3685
CIE z:	0.2779
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	571
Purity:	16.69598
Rf:	82
Rg:	99.4

CRI (Ra):	81.1
R1:	79.8
R2:	83.5
R3:	87.9
R4:	83.1
R5:	80.5
R6:	79.1
R7:	86.1
R8:	69.0
R9:	8.7
R10:	62.4
R11:	83.8
R12:	63.0
R13:	79.9
R14:	93.3
R15:	72.7



Test Conditions

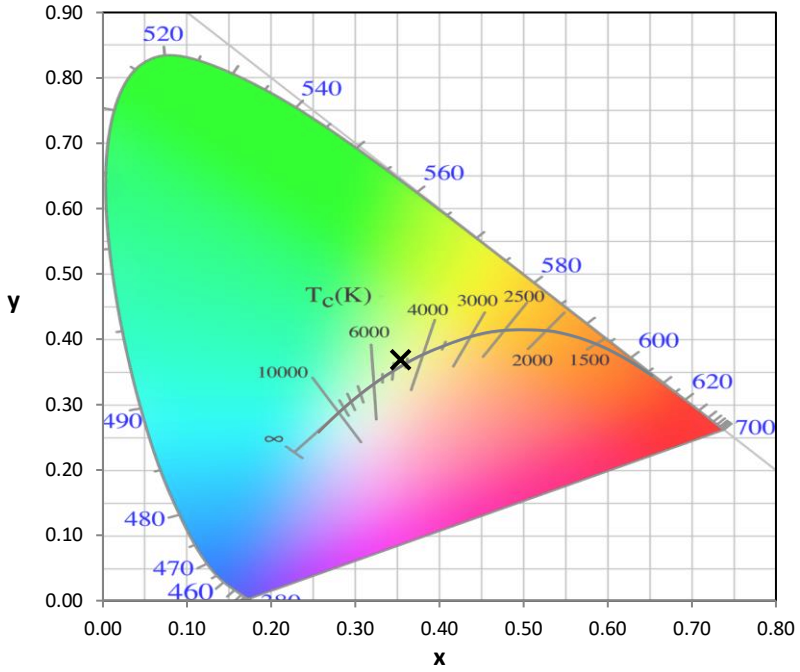
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-12

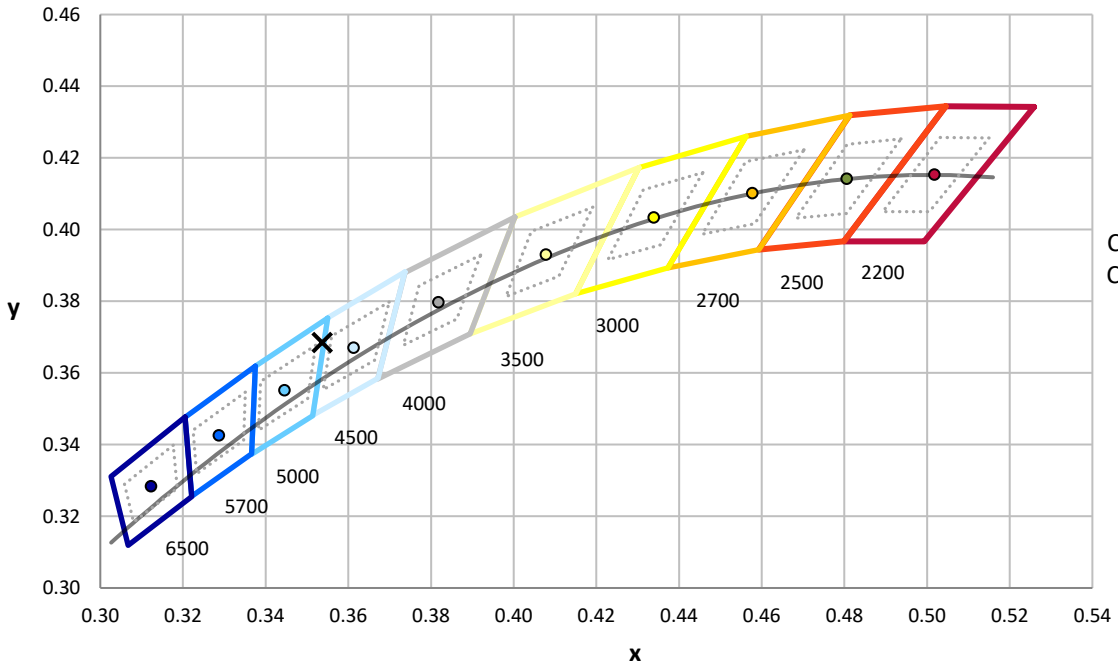
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



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

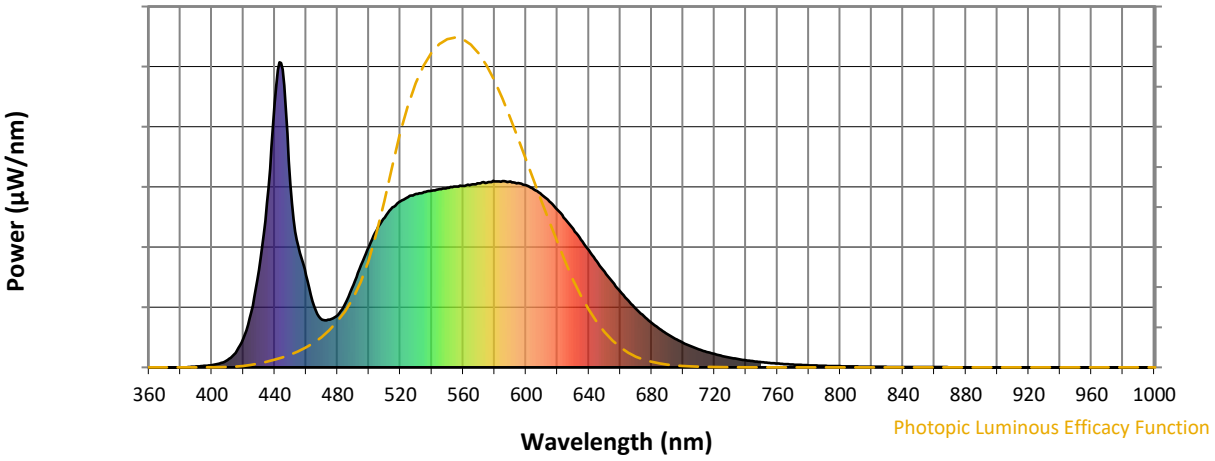


CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

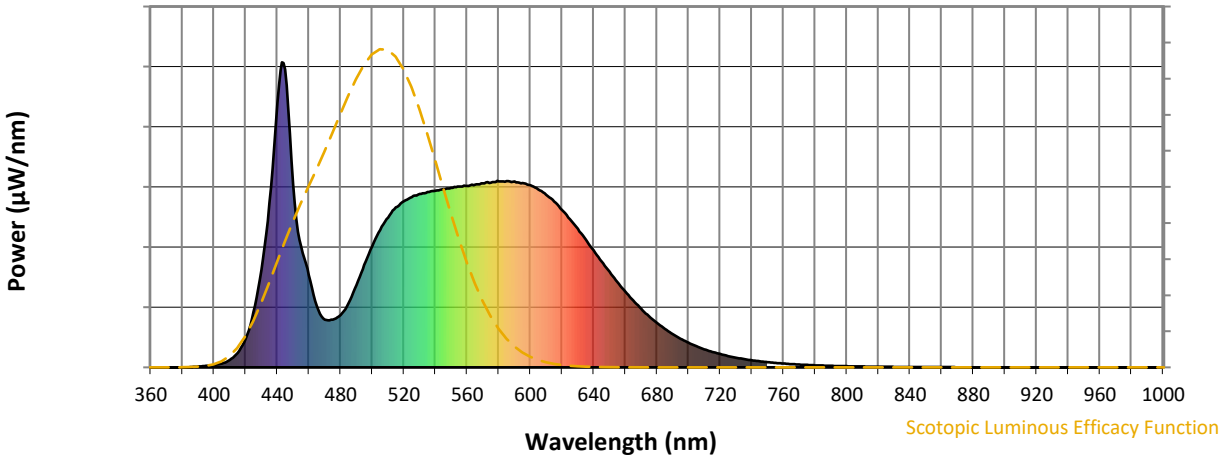


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength

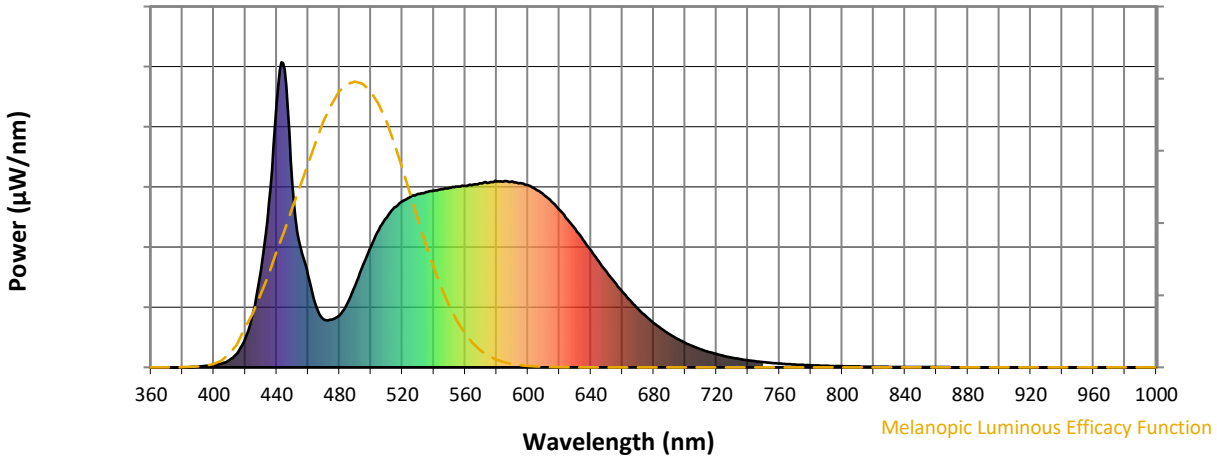


Scotopic Lumens: NR **S/P: 1.83**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.74**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

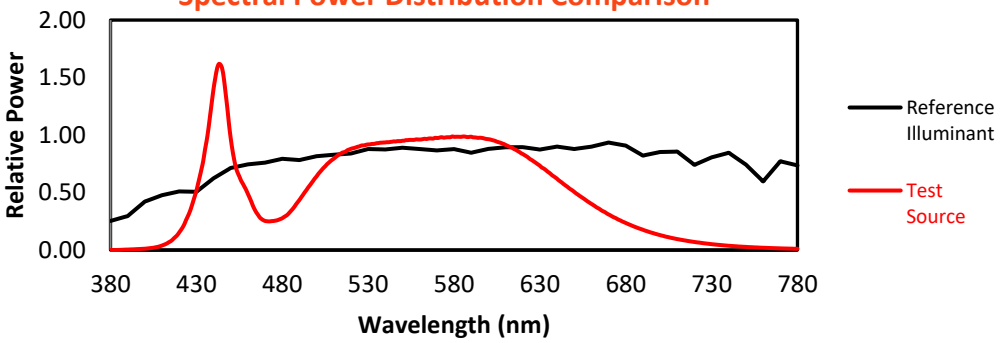
REPORT NUMBER: SP1-2407-184-12

TM-30-18

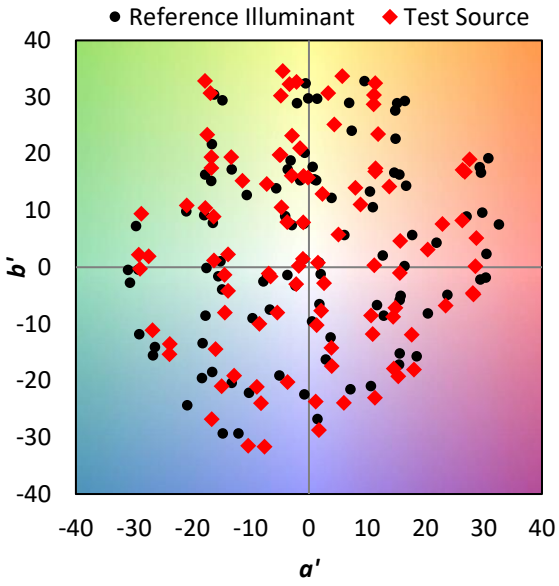
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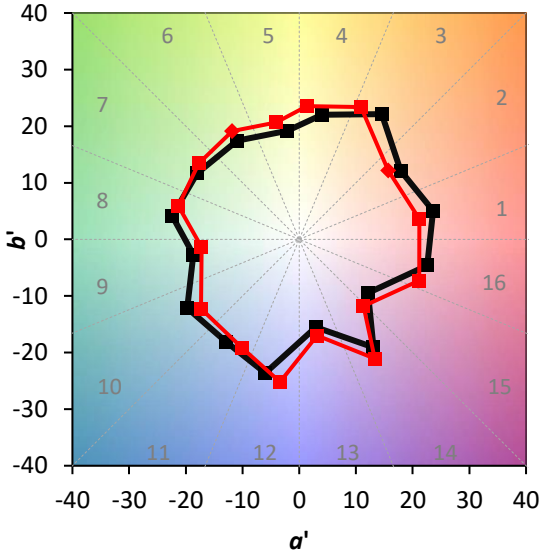
R_f = 82
R_g = 99.4
CIE R_a = 81.1
R_9 = 8.7

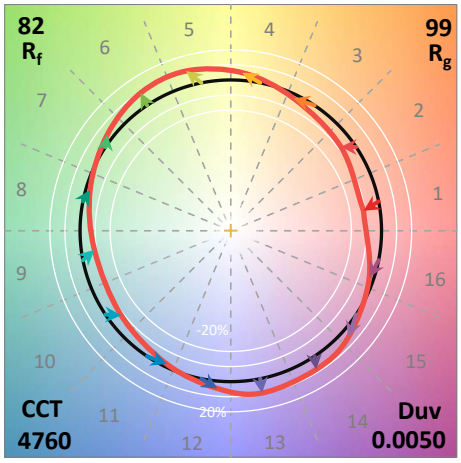
Spectral Power Distribution Comparison

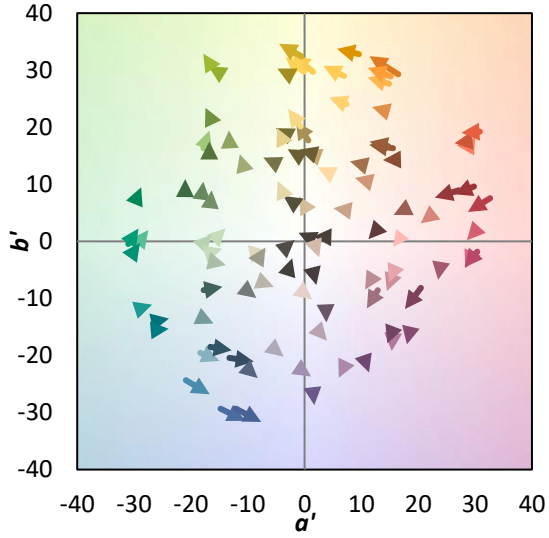


Color Vector Graphics







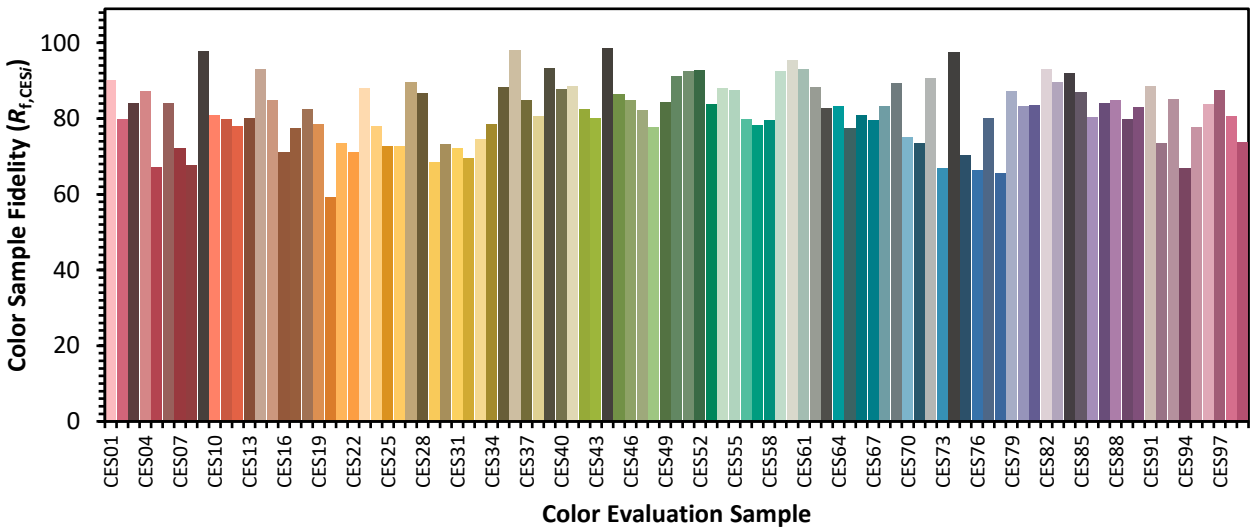


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Individual Sample Fidelity Index ($R_{f,i}$)

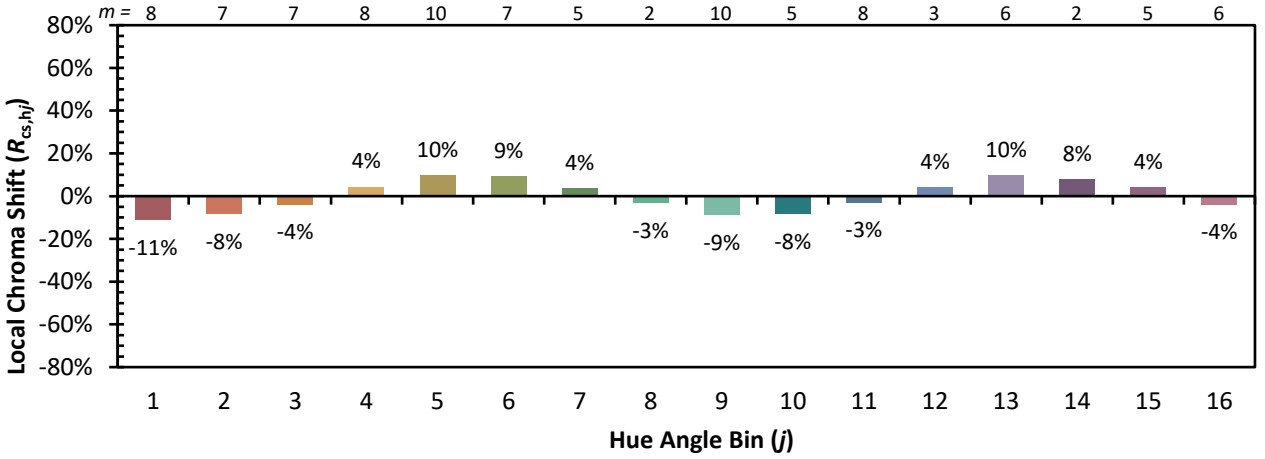
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	

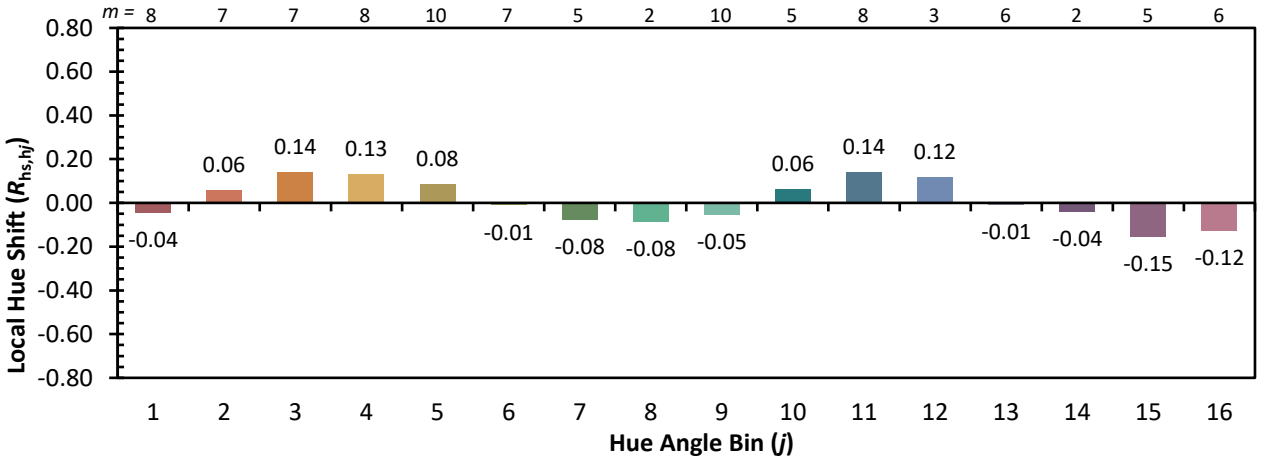


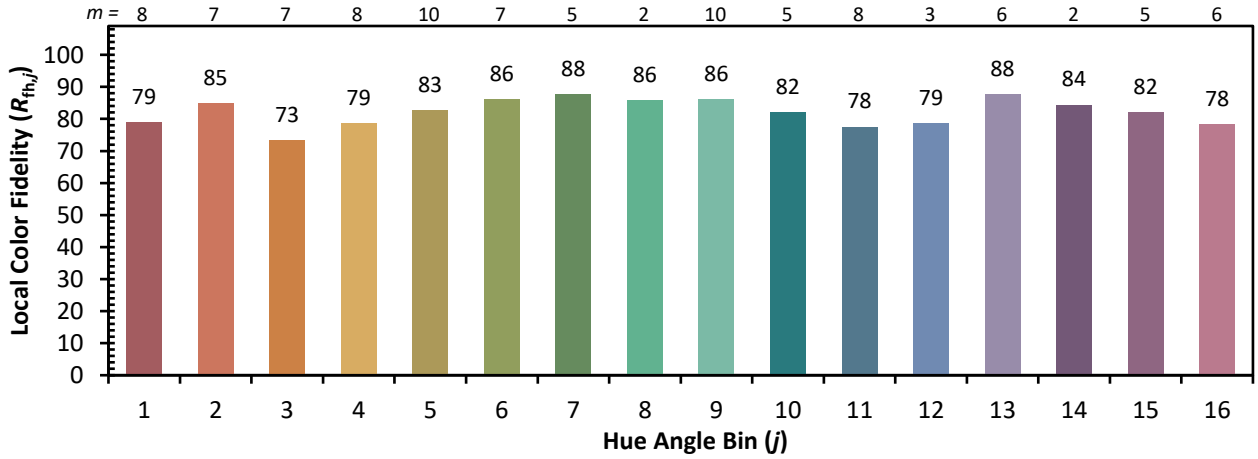
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Color Rendition by Hue-Angle Bin



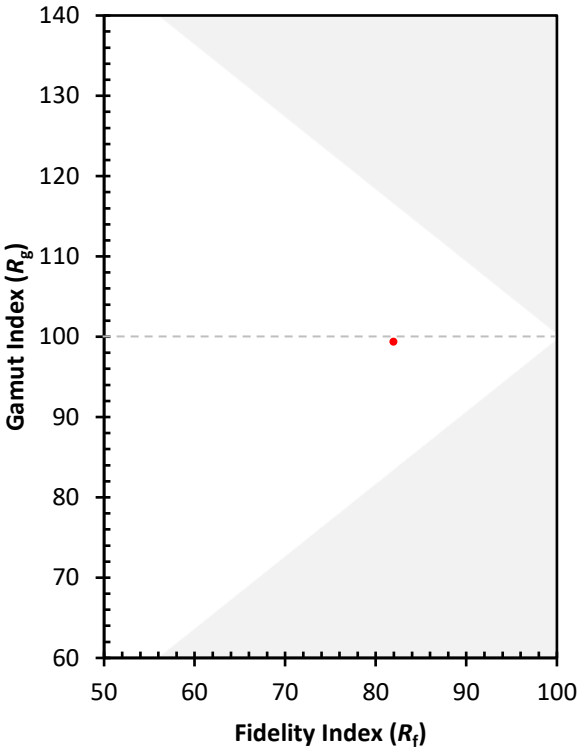


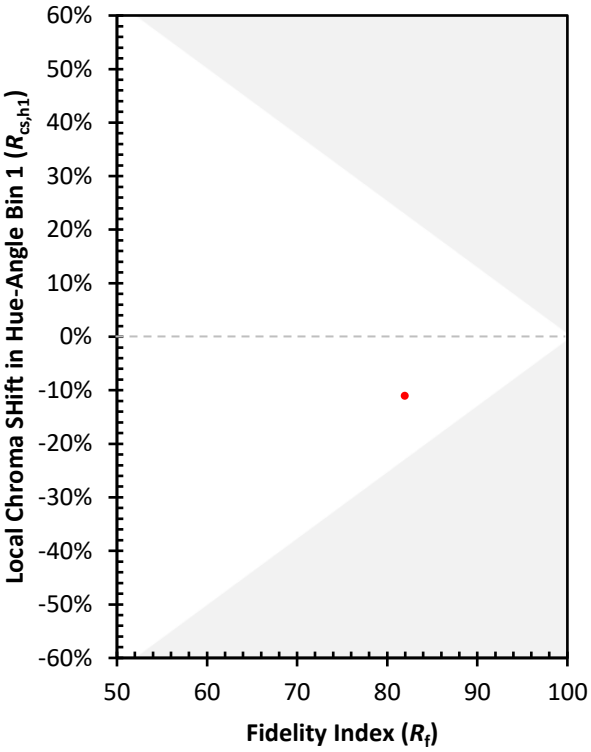


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Measure Comparisons





(END OF REPORT)