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: P1501495

Luminaire Tested: GSS-SB1C-827-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:	P1501495
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5864.5 lumens
Efficiency:	N/A
Efficacy:	112.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

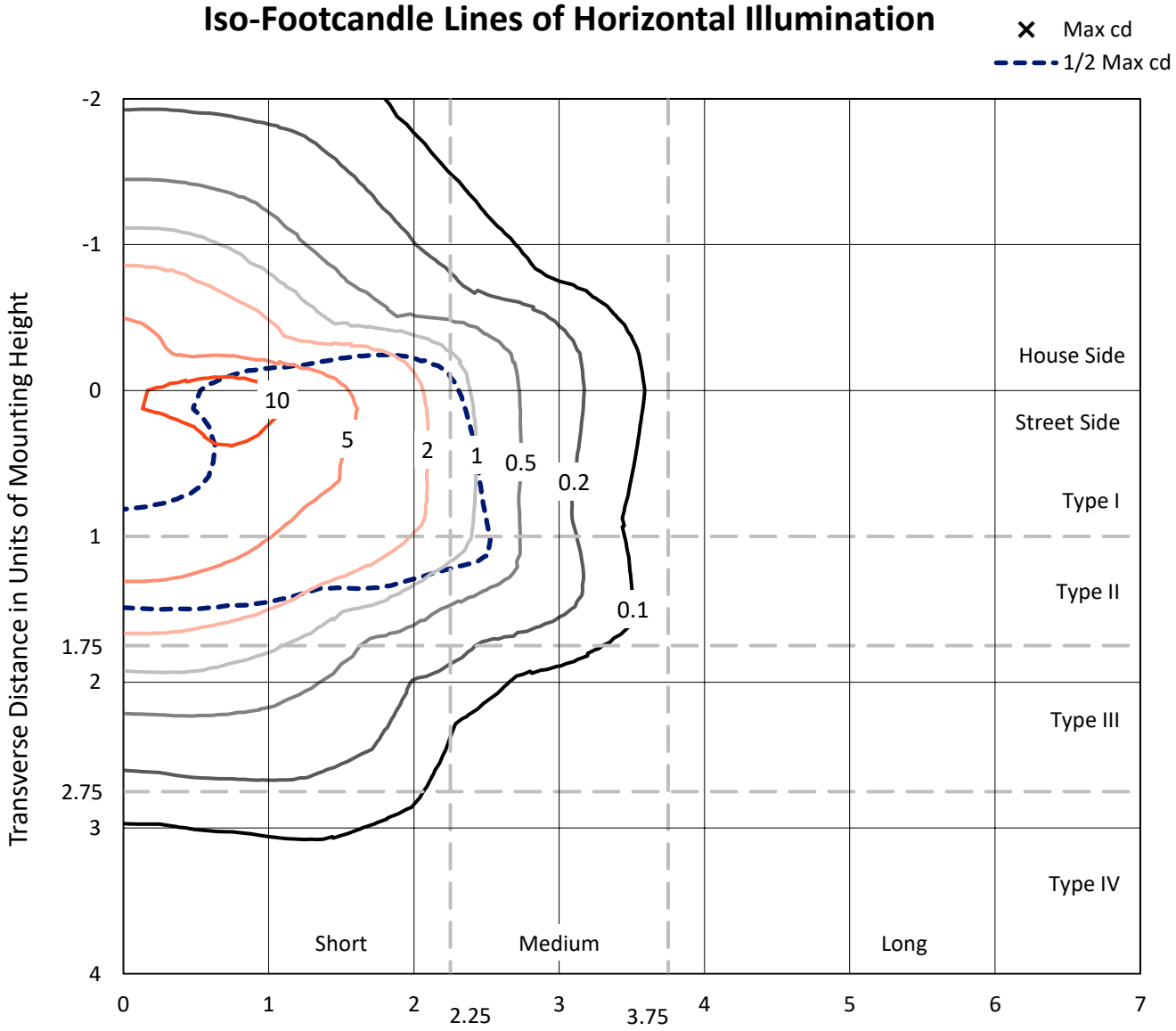
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



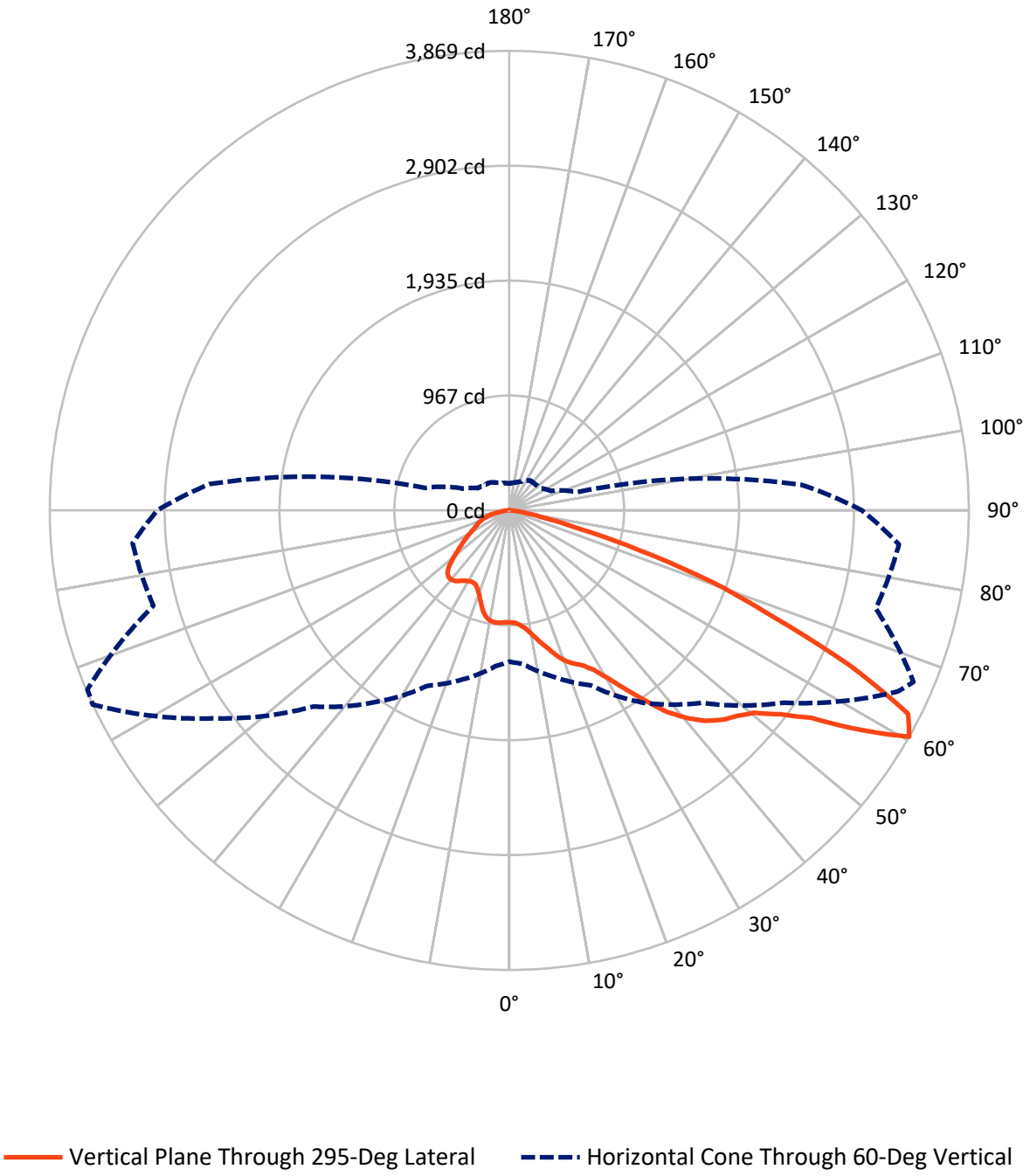
Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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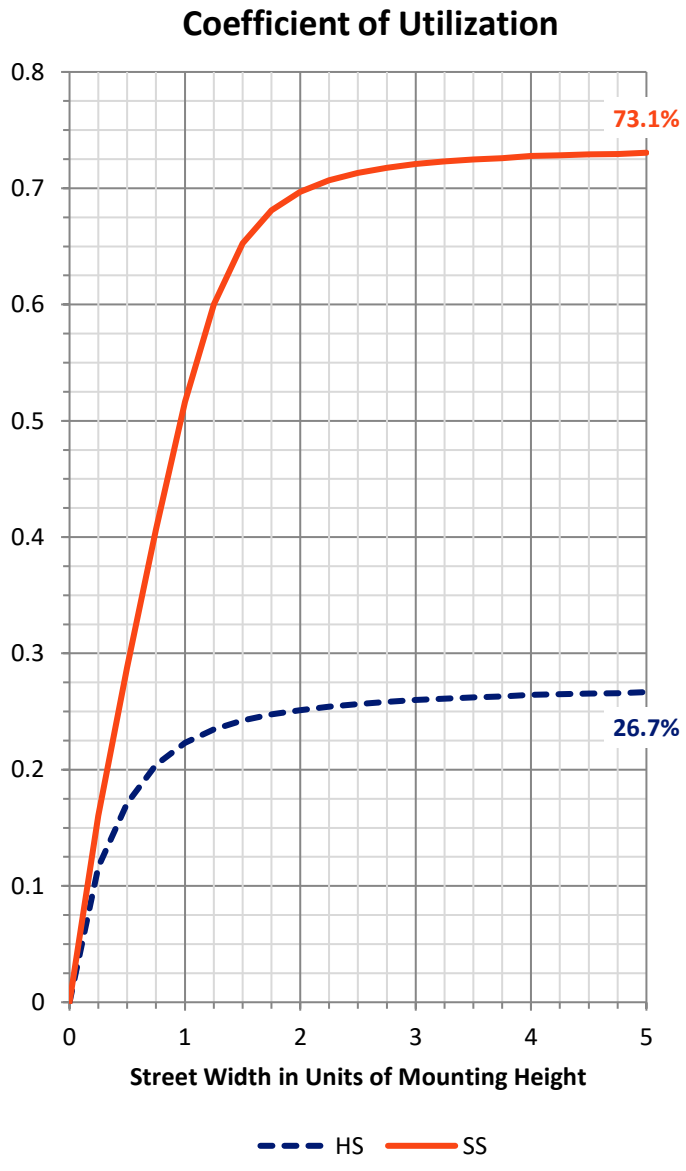
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1577.0	0.0	1577.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4287.5	0.0	4287.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	5864.5	0.0	5864.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.5
10°-20°	255.0	4.3
20°-30°	483.1	8.2
30°-40°	851.6	14.5
40°-50°	1259.5	21.5
50°-60°	1479.0	25.2
60°-70°	1071.6	18.3
70°-80°	330.5	5.6
80°-90°	45.5	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°	5864.5	100.0
0°-180°	5864.5	100.0



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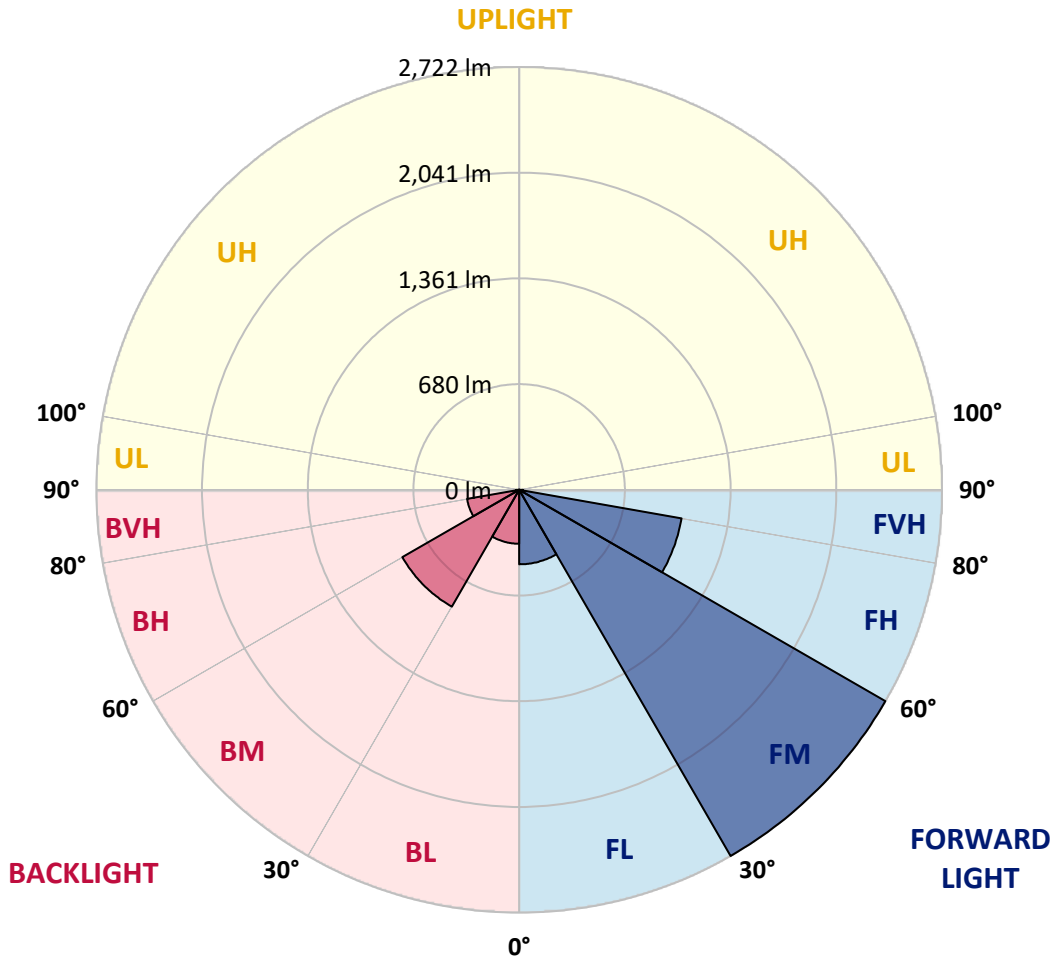
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	479.5	8.2			
FM	(30°-60°)	2721.7	46.4			
FH	(60°-80°)	1061.7	18.1			G1/1800
FVH	(80°-90°)	24.5	0.4			G1/100
BL	(0°-30°)	347.3	5.9	B1/500		
BM	(30°-60°)	868.4	14.8	B1/1000		
BH	(60°-80°)	340.4	5.8	B1/500		G1/500
BVH	(80°-90°)	21.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6
2.5°	962.3	965.0	960.9	963.6	963.6	959.6	958.3	952.9	955.6	954.3	952.9
5°	985.0	986.3	983.7	987.7	987.7	989.0	987.7	981.0	981.0	981.0	978.3
7.5°	978.3	978.3	979.7	993.0	1006.4	1023.8	1023.8	1021.1	1023.8	1022.4	1010.4
10°	922.2	927.5	939.6	973.0	1005.0	1042.5	1067.9	1075.9	1075.9	1077.2	1057.2
12.5°	821.9	826.0	854.0	904.8	971.6	1039.8	1101.3	1141.4	1145.4	1152.1	1125.3
15°	732.4	735.1	755.1	807.2	883.4	1003.7	1120.0	1202.8	1216.2	1244.3	1204.2
17.5°	740.4	739.1	744.4	764.5	819.3	944.9	1116.0	1275.0	1299.1	1348.5	1313.8
20°	788.5	788.5	792.5	796.6	816.6	902.1	1086.6	1333.8	1380.6	1476.8	1436.7
22.5°	864.7	864.7	863.4	870.1	870.1	920.8	1087.9	1377.9	1447.4	1619.8	1581.1
25°	970.3	965.0	965.0	967.6	955.6	991.7	1121.3	1423.4	1514.3	1789.6	1756.2
27.5°	1089.2	1093.3	1090.6	1081.2	1065.2	1093.3	1201.5	1494.2	1589.1	1968.7	1955.3
30°	1218.9	1220.2	1222.9	1217.6	1204.2	1224.2	1327.1	1601.1	1688.0	2155.8	2185.2
32.5°	1345.9	1364.6	1357.9	1344.5	1349.9	1385.9	1482.2	1745.5	1835.0	2329.5	2433.8
35°	1507.6	1514.3	1541.0	1491.5	1492.9	1554.3	1680.0	1935.2	2022.1	2509.9	2682.4
37.5°	1742.8	1754.8	1742.8	1665.3	1653.2	1738.8	1872.4	2122.4	2185.2	2646.3	2913.6
40°	1974.0	1988.7	2008.8	1917.9	1841.7	1912.5	2054.2	2265.4	2330.9	2721.1	3067.3
42.5°	2165.1	2189.2	2167.8	2141.1	2071.6	2084.9	2181.2	2376.3	2441.8	2816.0	3222.3
45°	2326.8	2330.9	2340.2	2321.5	2286.7	2274.7	2289.4	2473.9	2546.0	2858.8	3298.5
47.5°	2393.7	2411.0	2419.1	2451.1	2487.2	2463.2	2381.6	2519.3	2584.8	2856.1	3322.5
50°	2357.6	2375.0	2417.7	2493.9	2580.8	2623.5	2489.9	2582.1	2655.6	2904.2	3372.0
52.5°	2262.7	2281.4	2350.9	2437.8	2583.5	2681.0	2642.3	2713.1	2783.9	2989.7	3454.8
55°	2032.8	2060.9	2158.4	2302.8	2503.3	2650.3	2802.6	2905.5	2983.1	3092.7	3540.4
57.5°	1698.7	1728.1	1837.7	2054.2	2354.9	2523.3	2849.4	3266.4	3301.2	3215.6	3548.4
60°	*1272.3*	*1296.4*	*1451.4*	*1625.2*	*1978.0*	*2290.8*	*2822.7*	*3608.5*	*3696.8*	*3194.2*	*3293.1*
62.5°	1007.7	1037.1	1174.8	1255.0	1507.6	1892.5	2729.1	3703.4	3779.6	3017.8	2937.6
65°	787.2	807.2	935.5	1050.5	1112.0	1292.4	2338.9	3239.7	3307.8	2730.5	2424.4
67.5°	519.9	550.6	703.0	860.7	892.8	821.9	1609.1	2492.6	2524.6	2170.5	1823.0
70°	372.9	387.6	501.2	669.6	717.7	550.6	876.7	1887.1	1896.5	1456.8	1228.2
72.5°	253.9	256.6	340.8	513.2	572.0	399.6	482.5	1242.9	1210.9	719.0	703.0
75°	172.4	175.1	217.8	342.1	405.0	278.0	314.1	677.6	650.9	396.9	426.3
77.5°	116.3	118.9	149.7	229.9	270.0	192.5	229.9	358.2	351.5	263.3	228.5
80°	88.2	92.2	110.9	147.0	188.4	112.3	131.0	169.7	172.4	140.3	116.3
82.5°	49.5	54.8	66.8	74.8	121.6	62.8	62.8	101.6	97.6	86.9	62.8
85°	21.4	22.7	26.7	28.1	49.5	26.7	22.7	44.1	45.4	42.8	20.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.3	5.3	5.3	5.3
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°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6
2.5°	946.2	954.3	946.2	942.2	942.2	935.5	932.9	932.9	923.5	927.5	924.9
5°	967.6	970.3	960.9	948.9	932.9	919.5	900.8	876.7	862.0	860.7	862.0
7.5°	1001.0	1002.4	977.0	950.3	910.2	862.0	804.6	757.8	716.4	709.7	717.7
10°	1047.8	1045.1	1007.7	944.9	860.7	759.1	670.9	628.2	604.1	602.8	601.4
12.5°	1110.6	1093.3	1035.8	922.2	775.2	657.6	612.1	609.4	616.1	621.5	622.8
15°	1182.8	1160.1	1058.5	878.1	688.3	620.1	622.8	645.5	653.5	658.9	658.9
17.5°	1272.3	1242.9	1083.9	815.3	644.2	628.2	646.9	668.2	681.6	687.0	685.6
20°	1391.3	1329.8	1103.9	755.1	632.2	641.5	657.6	678.9	692.3	699.0	699.0
22.5°	1510.2	1434.1	1108.0	713.7	632.2	642.9	657.6	678.9	693.6	700.3	699.0
25°	1672.0	1567.7	1109.3	684.3	633.5	636.2	649.5	668.2	689.6	696.3	699.0
27.5°	1844.4	1714.7	1116.0	677.6	628.2	626.8	636.2	653.5	674.9	692.3	693.6
30°	2058.2	1880.5	1118.6	684.3	629.5	612.1	618.8	636.2	658.9	676.3	681.6
32.5°	2268.0	2034.2	1113.3	699.0	632.2	602.8	604.1	614.8	638.8	650.9	660.2
35°	2489.9	2197.2	1103.9	719.0	633.5	598.8	586.7	592.1	608.1	609.4	613.5
37.5°	2663.6	2318.8	1075.9	745.8	636.2	584.0	560.0	556.0	549.3	535.9	538.6
40°	2806.6	2400.4	1029.1	759.1	629.5	566.7	526.6	507.9	482.5	462.4	466.4
42.5°	2909.6	2455.1	973.0	761.8	618.8	537.3	487.8	455.7	427.7	406.3	407.6
45°	2955.0	2449.8	912.8	741.8	593.4	501.2	451.7	421.0	390.3	367.5	364.9
47.5°	2956.3	2397.7	830.0	693.6	550.6	459.8	418.3	384.9	359.5	343.5	342.1
50°	2967.0	2368.3	752.4	624.1	494.5	415.7	388.9	355.5	340.8	318.1	311.4
52.5°	3033.9	2416.4	699.0	548.0	442.4	383.6	363.5	334.1	310.1	295.4	294.0
55°	3142.1	2499.3	669.6	490.5	392.9	352.8	339.5	314.1	292.7	278.0	274.0
57.5°	3155.5	2542.0	634.8	437.0	352.8	328.8	323.4	295.4	264.6	253.9	249.9
60°	*2968.4*	*2469.8*	*592.1*	*387.6*	*323.4*	*310.1*	*307.4*	*270.0*	*244.6*	*231.2*	*225.9*
62.5°	2713.1	2289.4	526.6	342.1	300.7	291.4	280.7	251.3	219.2	204.5	200.5
65°	2217.3	1924.6	447.7	311.4	278.0	267.3	264.6	224.5	203.1	195.1	193.8
67.5°	1680.0	1546.3	394.3	288.7	253.9	249.9	240.6	227.2	217.8	208.5	205.8
70°	1188.1	1116.0	335.5	259.3	229.9	223.2	262.0	247.3	213.8	201.8	200.5
72.5°	720.4	700.3	290.0	232.6	197.8	208.5	241.9	223.2	192.5	177.8	172.4
75°	454.4	415.7	243.2	197.8	157.7	169.7	211.2	199.1	165.7	151.0	147.0
77.5°	247.3	229.9	183.1	161.7	124.3	137.7	184.4	164.4	132.3	144.3	128.3
80°	108.3	120.3	121.6	93.6	82.9	101.6	132.3	128.3	101.6	102.9	85.5
82.5°	52.1	68.2	78.9	64.2	46.8	60.1	88.2	73.5	68.2	64.2	61.5
85°	16.0	25.4	34.7	30.7	21.4	25.4	41.4	40.1	48.1	41.4	38.8
87.5°	5.3	5.3	4.0	4.0	4.0	5.3	6.7	4.0	1.3	1.3	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°	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6	943.6
2.5°	923.5	924.9	924.9	926.2	926.2	930.2	935.5	940.9	936.9	942.2	943.6
5°	859.4	866.1	871.4	891.4	907.5	920.8	935.5	948.9	952.9	955.6	962.3
7.5°	708.3	727.1	761.8	807.2	858.0	907.5	940.9	975.6	981.0	987.7	997.0
10°	602.8	610.8	634.8	681.6	772.5	870.1	951.6	1006.4	1029.1	1042.5	1051.8
12.5°	620.1	614.8	610.8	617.5	676.3	801.9	944.9	1050.5	1093.3	1108.0	1120.0
15°	661.6	656.2	641.5	622.8	629.5	729.7	922.2	1091.9	1160.1	1184.1	1209.5
17.5°	685.6	680.3	668.2	648.2	630.8	669.6	879.4	1129.3	1265.7	1295.1	1331.2
20°	699.0	693.6	681.6	661.6	641.5	646.9	824.6	1176.1	1385.9	1432.7	1486.2
22.5°	701.7	695.0	681.6	661.6	649.5	645.5	772.5	1204.2	1515.6	1587.8	1649.2
25°	700.3	688.3	670.9	656.2	649.5	648.2	736.4	1220.2	1655.9	1770.9	1840.4
27.5°	691.0	676.3	658.9	648.2	645.5	653.5	720.4	1238.9	1820.3	1967.3	2078.3
30°	680.3	658.9	637.5	633.5	640.2	665.6	733.7	1245.6	1992.7	2181.2	2294.8
32.5°	652.2	636.2	614.8	613.5	629.5	674.9	764.5	1236.3	2145.1	2395.0	2538.0
35°	612.1	602.8	590.7	594.7	620.1	683.0	785.9	1206.9	2284.1	2594.1	2761.2
37.5°	541.3	548.0	554.6	564.0	596.1	681.6	795.2	1160.1	2399.0	2753.2	2967.0
40°	462.4	485.1	506.5	530.6	573.4	670.9	797.9	1102.6	2465.8	2873.5	3150.1
42.5°	413.0	434.4	461.1	495.8	542.6	646.9	795.2	1038.5	2487.2	2956.3	3266.4
45°	367.5	392.9	426.3	462.4	515.9	612.1	771.2	969.0	2497.9	2995.1	3315.9
47.5°	343.5	358.2	388.9	425.0	481.1	569.3	724.4	918.2	2481.9	3003.1	3376.0
50°	315.4	335.5	355.5	390.3	445.1	515.9	668.2	888.8	2508.6	3082.0	3470.9
52.5°	294.0	304.7	326.1	358.2	398.3	466.4	614.8	864.7	2582.1	3162.2	3569.8
55°	278.0	290.0	303.4	330.1	360.9	417.0	560.0	828.6	2667.7	3247.7	3668.7
57.5°	252.6	260.6	279.3	307.4	327.4	368.9	495.8	785.9	2661.0	3180.9	3497.6
60°	*229.9*	*237.9*	*257.9*	*286.0*	*298.0*	*326.1*	*433.0*	*731.1*	*2532.7*	*2963.0*	*3182.2*
62.5°	204.5	213.8	237.9	257.9	268.6	290.0	367.5	630.8	2265.4	2635.6	2813.3
65°	193.8	199.1	215.2	239.2	237.9	257.9	310.1	495.8	1823.0	2014.1	2175.8
67.5°	205.8	213.8	211.2	217.8	213.8	224.5	278.0	398.3	1432.7	1516.9	1610.5
70°	203.1	221.9	231.2	217.8	187.1	199.1	240.6	318.1	1025.1	1017.1	1013.1
72.5°	177.8	196.5	223.2	236.6	183.1	165.7	208.5	275.3	657.6	654.9	592.1
75°	151.0	164.4	196.5	213.8	157.7	133.6	179.1	233.9	392.9	398.3	355.5
77.5°	139.0	132.3	164.4	188.4	128.3	102.9	144.3	176.4	216.5	219.2	203.1
80°	100.2	96.2	123.0	137.7	97.6	73.5	81.5	109.6	116.3	104.2	108.3
82.5°	64.2	65.5	73.5	88.2	60.1	40.1	56.1	73.5	62.8	50.8	60.1
85°	41.4	46.8	38.8	45.4	18.7	18.7	24.1	32.1	21.4	14.7	16.0
87.5°	0.0	0.0	2.7	5.3	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: P1501495
CATALOG NUMBER: GSS-SB1C-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	943.6	943.6	*943.6*	943.6	943.6	943.6	943.6	943.6	943.6	943.6
2.5°	947.6	946.2	*946.2*	948.9	955.6	958.3	962.3	960.9	965.0	962.3
5°	966.3	967.6	*971.6*	973.0	977.0	982.3	983.7	982.3	985.0	985.0
7.5°	1003.7	1009.1	*1006.4*	1013.1	1007.7	1001.0	990.3	982.3	975.6	978.3
10°	1066.5	1063.9	*1062.5*	1050.5	1026.4	991.7	963.6	932.9	927.5	922.2
12.5°	1136.0	1133.4	*1133.4*	1091.9	1023.8	951.6	887.4	839.3	823.3	821.9
15°	1233.6	1216.2	*1200.2*	1113.3	977.0	854.0	779.2	741.8	732.4	732.4
17.5°	1355.2	1309.8	*1283.0*	1097.3	900.8	789.9	745.8	736.4	733.7	740.4
20°	1506.2	1391.3	*1352.5*	1061.2	872.7	797.9	776.5	777.8	779.2	788.5
22.5°	1672.0	1466.1	*1402.0*	1061.2	900.8	848.7	838.0	852.7	856.7	864.7
25°	1856.4	1533.0	*1446.1*	1117.3	983.7	944.9	931.5	946.2	956.9	970.3
27.5°	2063.6	1602.5	*1522.3*	1218.9	1090.6	1066.5	1051.8	1058.5	1073.2	1089.2
30°	2249.3	1718.7	*1638.5*	1373.9	1236.3	1206.9	1181.5	1192.2	1208.2	1218.9
32.5°	2413.7	1860.4	*1792.2*	1537.0	1403.3	1352.5	1324.5	1321.8	1353.9	1345.9
35°	2564.7	2027.5	*1962.0*	1722.7	1573.1	1510.2	1472.8	1520.9	1499.6	1507.6
37.5°	2683.7	2201.2	*2149.1*	1900.5	1749.5	1663.9	1641.2	1700.0	1733.4	1742.8
40°	2781.3	2352.2	*2297.4*	2076.9	1911.2	1848.4	1884.5	1982.0	1978.0	1974.0
42.5°	2856.1	2481.9	*2421.7*	2210.6	2066.2	2078.3	2106.3	2171.8	2187.8	2165.1
45°	2889.5	2563.4	*2515.3*	2316.2	2242.6	2312.1	2324.2	2352.2	2341.5	2326.8
47.5°	2928.3	2635.6	*2584.8*	2412.4	2433.8	2501.9	2477.9	2455.1	2416.4	2393.7
50°	2993.8	2721.1	*2678.3*	2552.7	2630.2	2607.5	2514.0	2463.2	2384.3	2357.6
52.5°	3118.1	2882.8	*2850.8*	2774.6	2722.4	2591.5	2477.9	2387.0	2298.8	2262.7
55°	3229.0	3102.0	*3083.3*	2981.7	2694.4	2507.3	2354.9	2214.6	2063.6	2032.8
57.5°	3293.1	3465.5	*3486.9*	3069.9	2566.1	2316.2	2091.6	1867.1	1724.1	1698.7
60°	*3102.0*	*3858.5*	*3869.2*	*3052.6*	*2334.9*	*1971.3*	*1629.2*	*1470.1*	*1316.5*	*1272.3*
62.5°	2838.7	3776.9	*3767.6*	2948.3	1859.1	1438.1	1237.6	1162.8	1043.8	1007.7
65°	2440.4	3146.1	*3156.8*	2547.4	1236.3	1039.8	1039.8	944.9	812.6	787.2
67.5°	1988.7	2425.7	*2401.7*	1651.9	759.1	832.6	872.7	736.4	550.6	519.9
70°	1292.4	1852.4	*1819.0*	952.9	477.1	693.6	687.0	553.3	394.3	372.9
72.5°	556.0	1070.5	*1138.7*	486.5	359.5	558.7	548.0	387.6	263.3	253.9
75°	335.5	538.6	*586.7*	310.1	262.0	421.0	379.6	245.9	179.1	172.4
77.5°	212.5	295.4	*292.7*	232.6	196.5	284.7	255.3	169.7	121.6	116.3
80°	123.0	145.7	*151.0*	145.7	132.3	203.1	163.1	123.0	94.9	88.2
82.5°	78.9	90.9	*92.2*	70.8	73.5	131.0	88.2	72.2	54.8	49.5
85°	34.7	38.8	*37.4*	24.1	24.1	53.5	30.7	29.4	21.4	21.4
87.5°	1.3	2.7	*1.3*	1.3	1.3	5.3	2.7	4.0	4.0	4.0
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

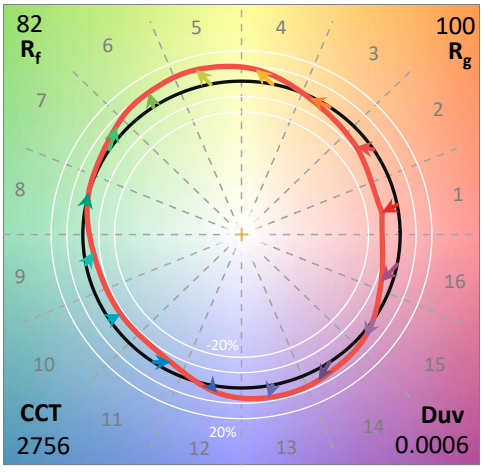
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

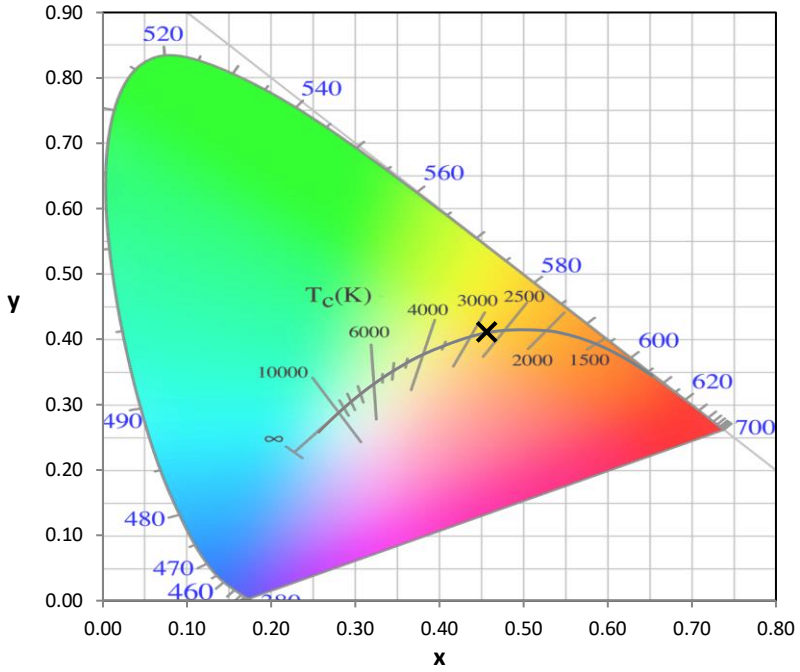
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

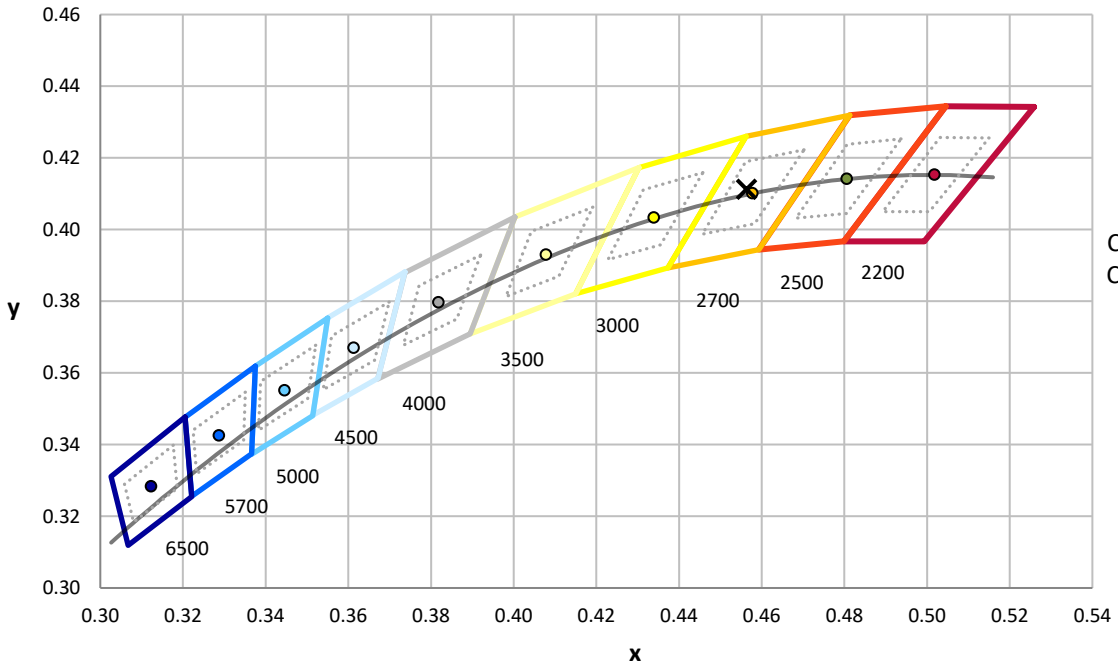
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

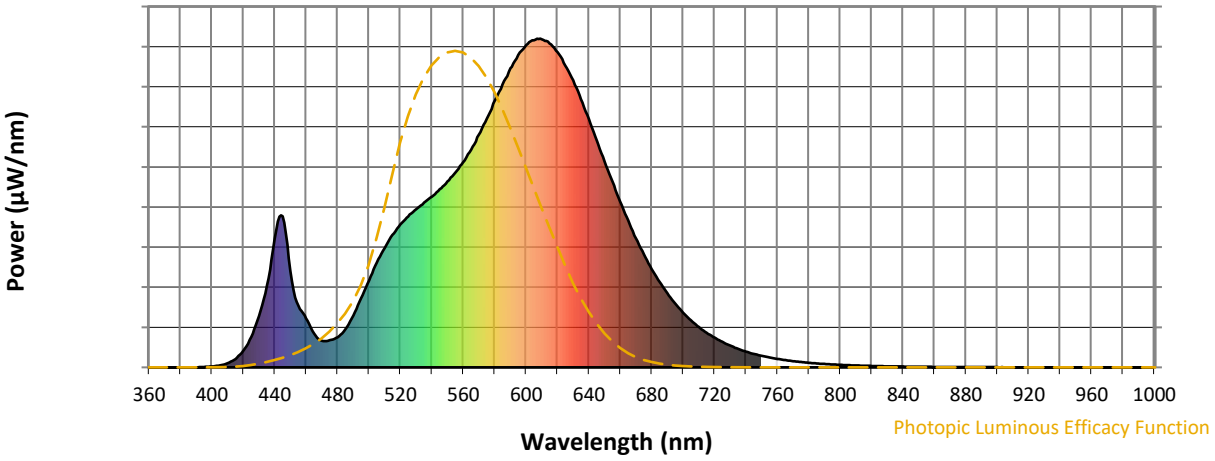


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

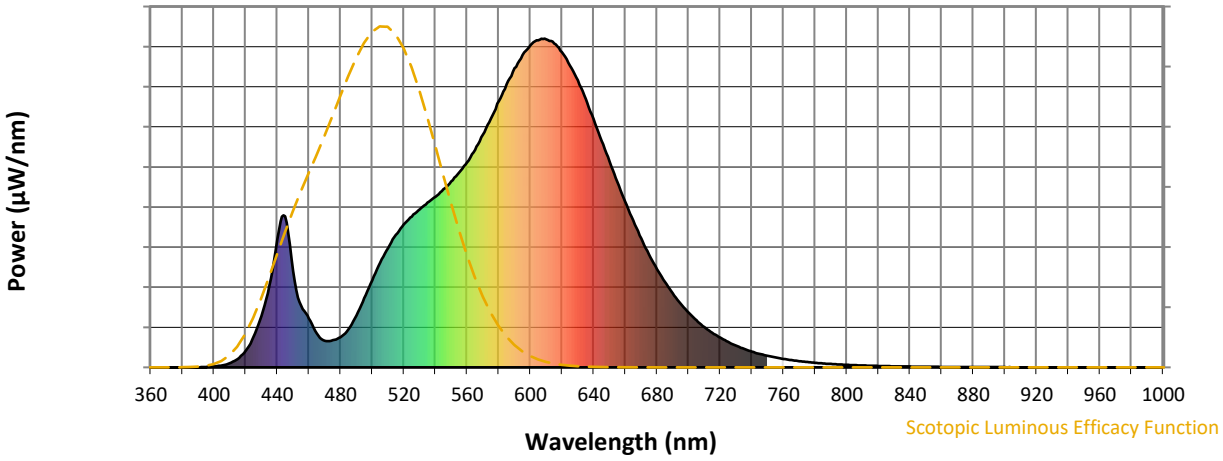


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

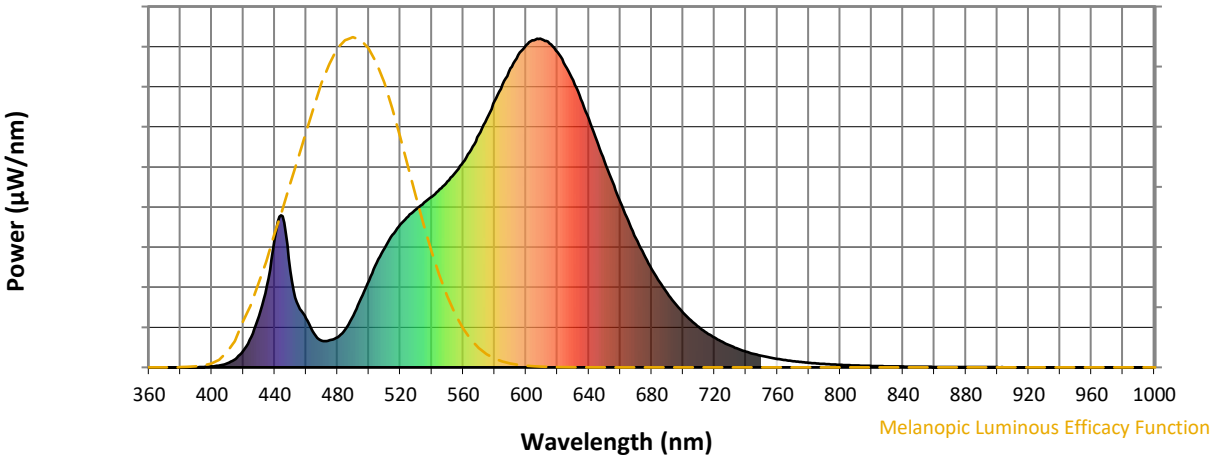


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

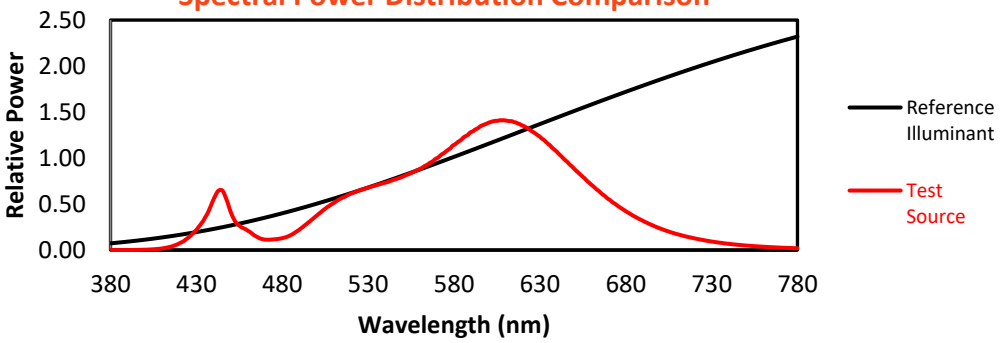
REPORT NUMBER: SP1-2407-184-8

TM-30-18

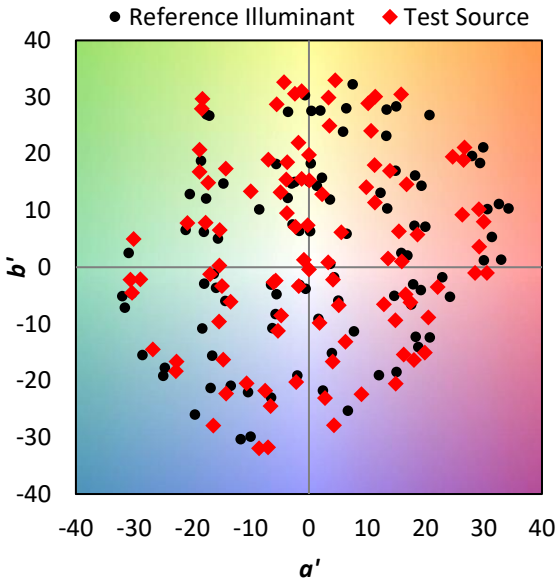
Summary

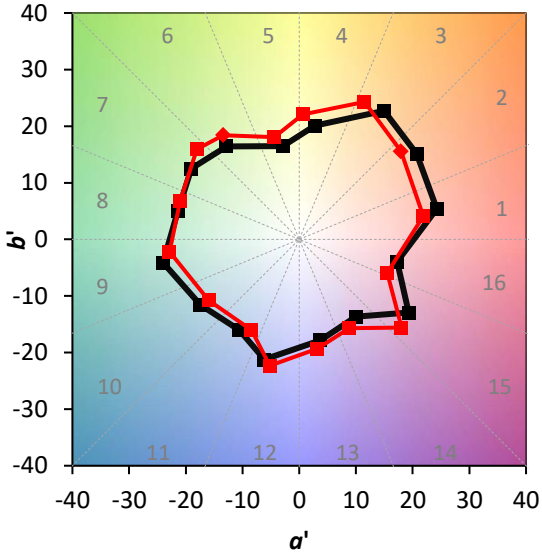
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

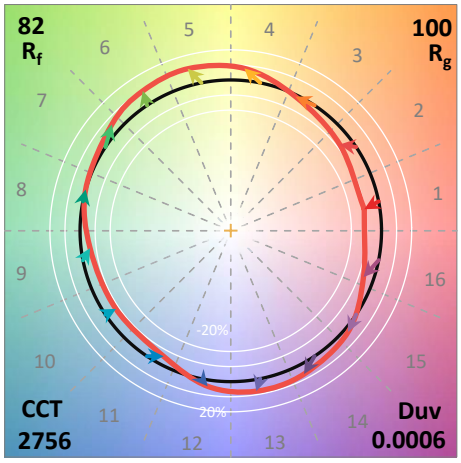
Spectral Power Distribution Comparison

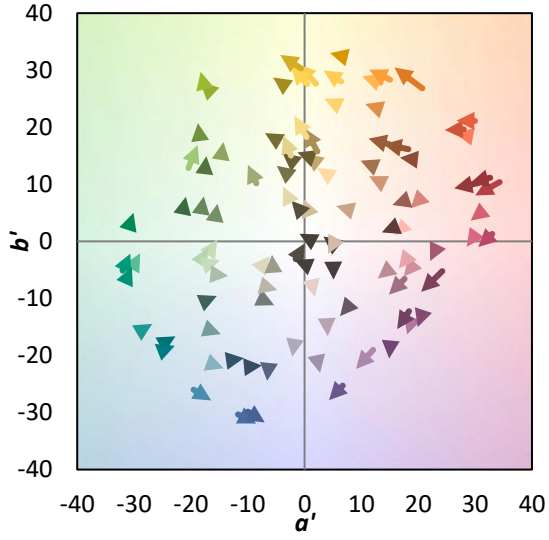


Color Vector Graphics







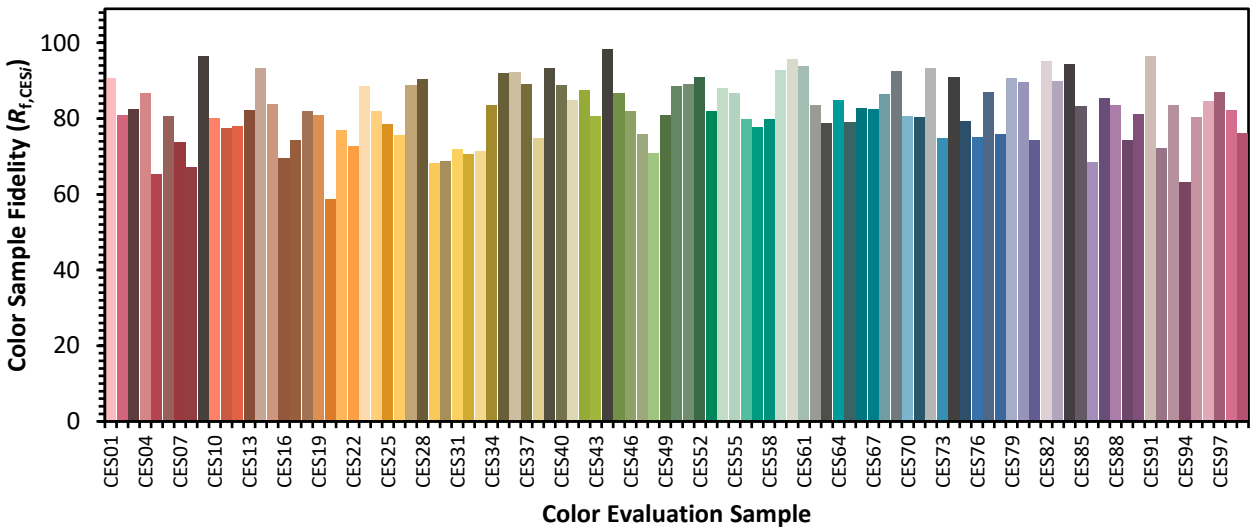


REPORT NUMBER: SP1-2407-184-8

TM-30-18

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

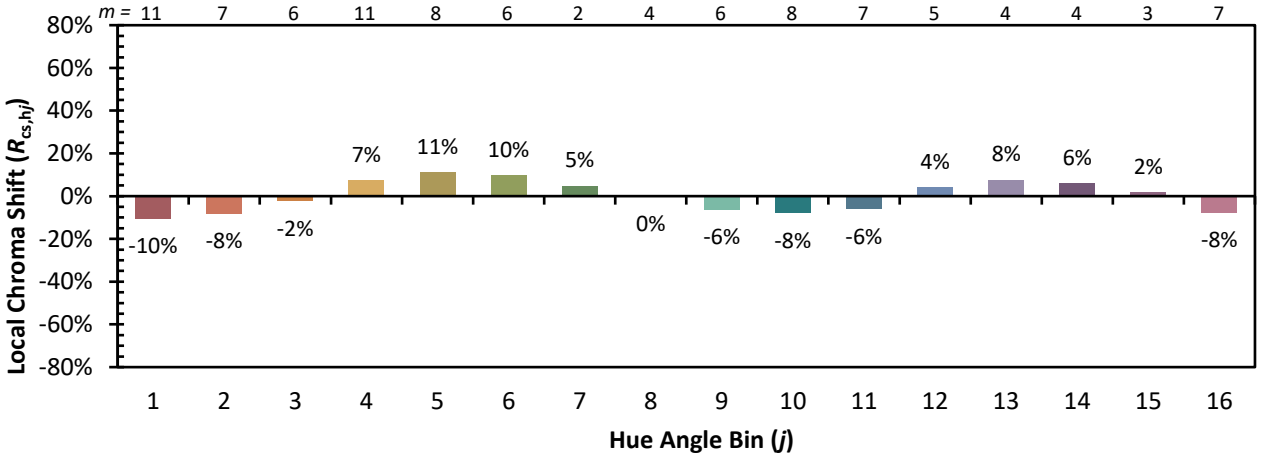
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

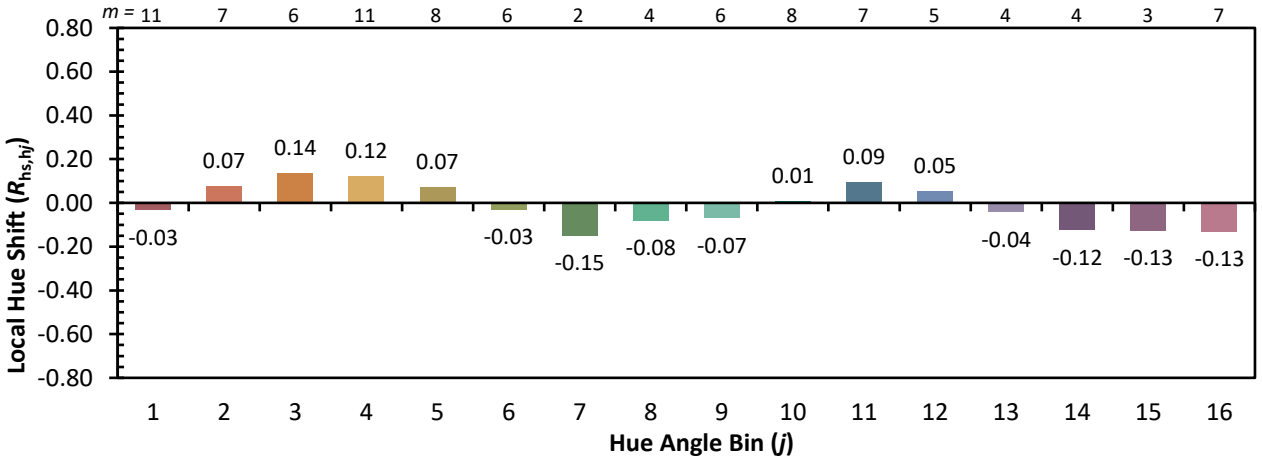


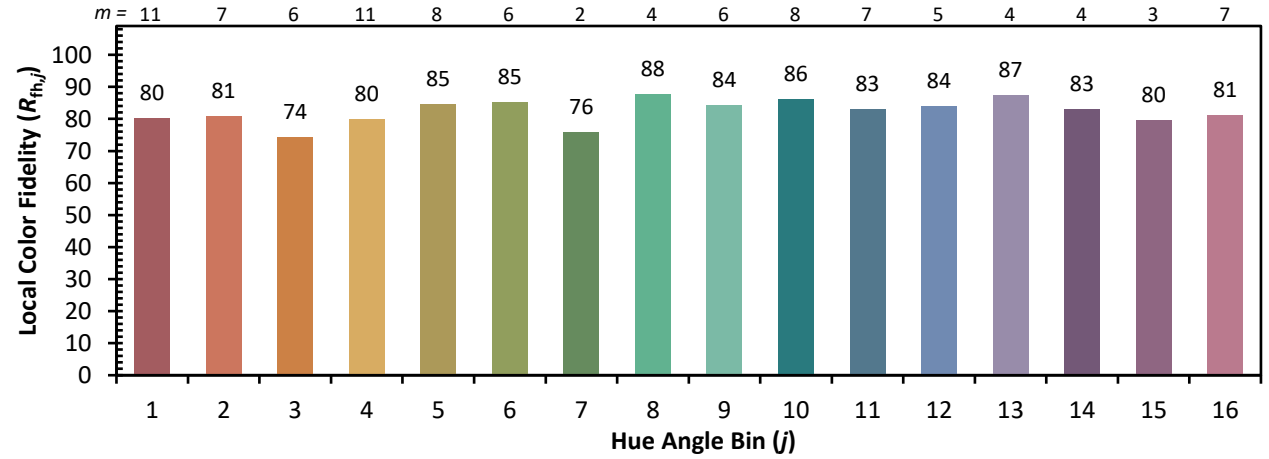
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Color Rendition by Hue-Angle Bin



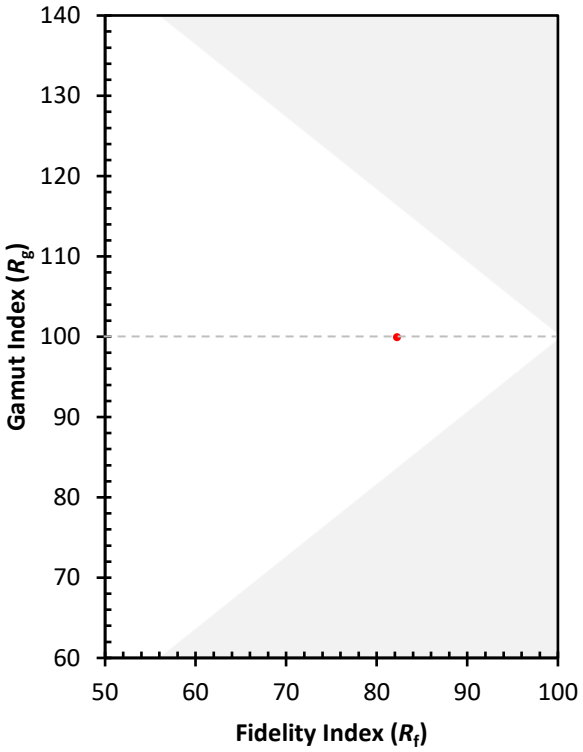


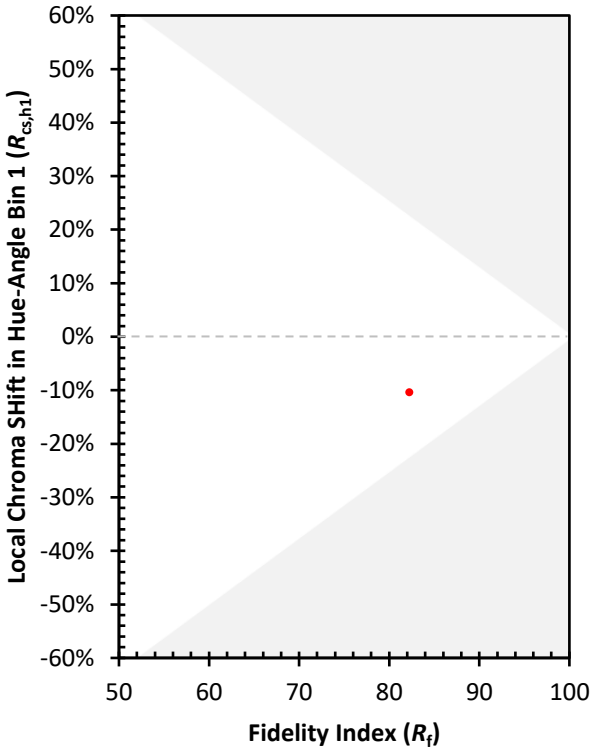


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Measure Comparisons





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