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: P1501446

Luminaire Tested: GSS-SB1B-750-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:	P1501446
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5409.9 lumens
Efficiency:	N/A
Efficacy:	135.2 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

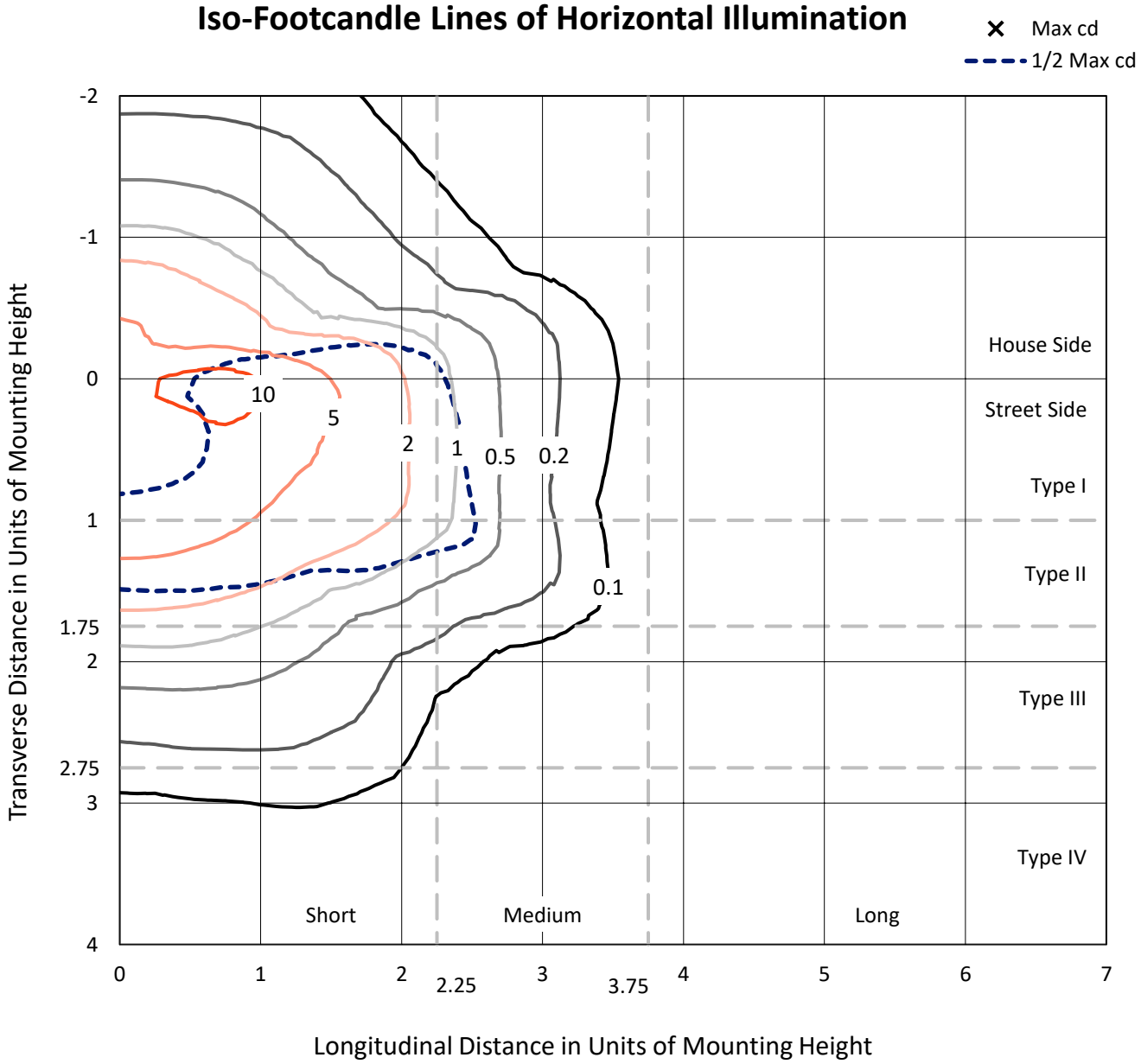
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



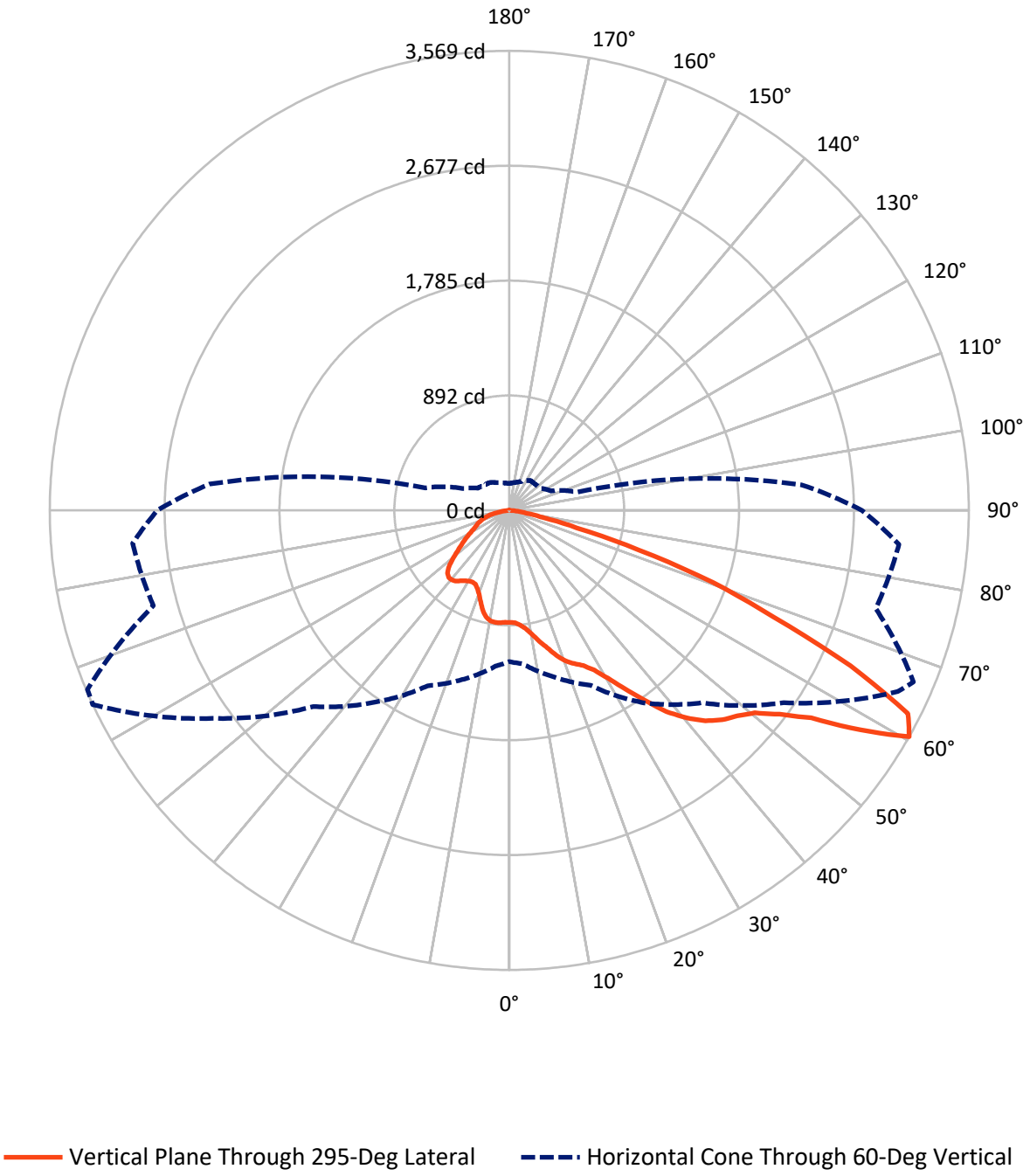
Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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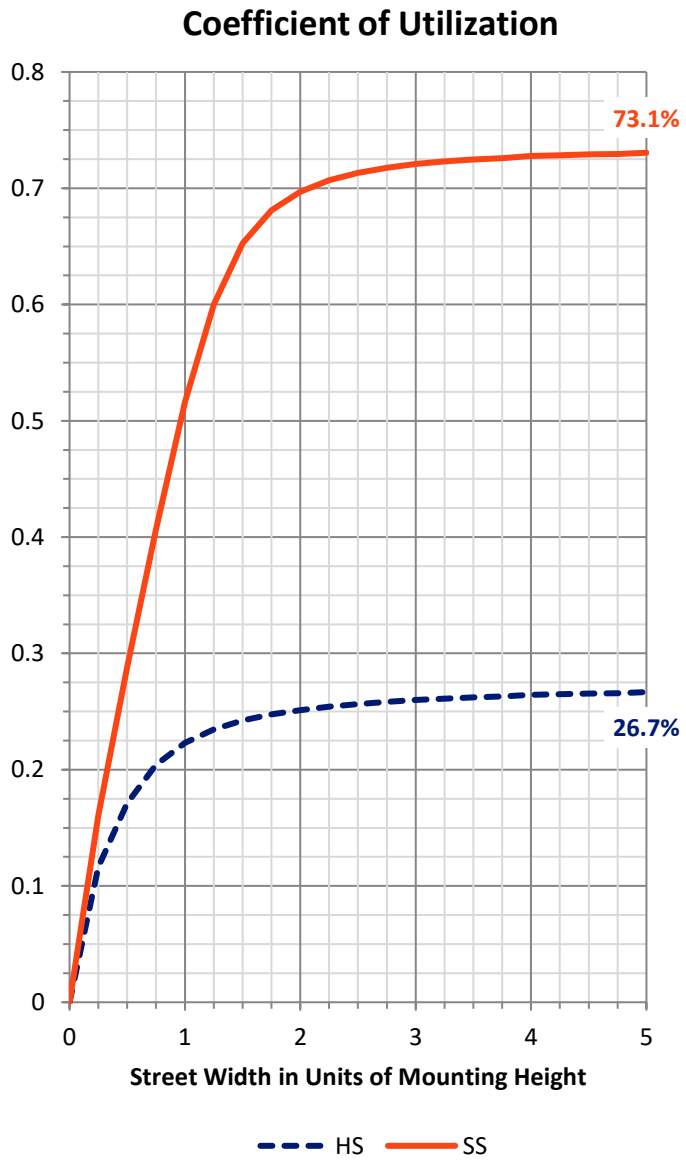
REPORT NUMBER: P1501446
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1454.8	0.0	1454.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3955.1	0.0	3955.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	5409.9	0.0	5409.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	1.5
10°-20°	235.3	4.3
20°-30°	445.6	8.2
30°-40°	785.6	14.5
40°-50°	1161.8	21.5
50°-60°	1364.3	25.2
60°-70°	988.5	18.3
70°-80°	304.8	5.6
80°-90°	42.0	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°	5409.9	100.0
0°-180°	5409.9	100.0



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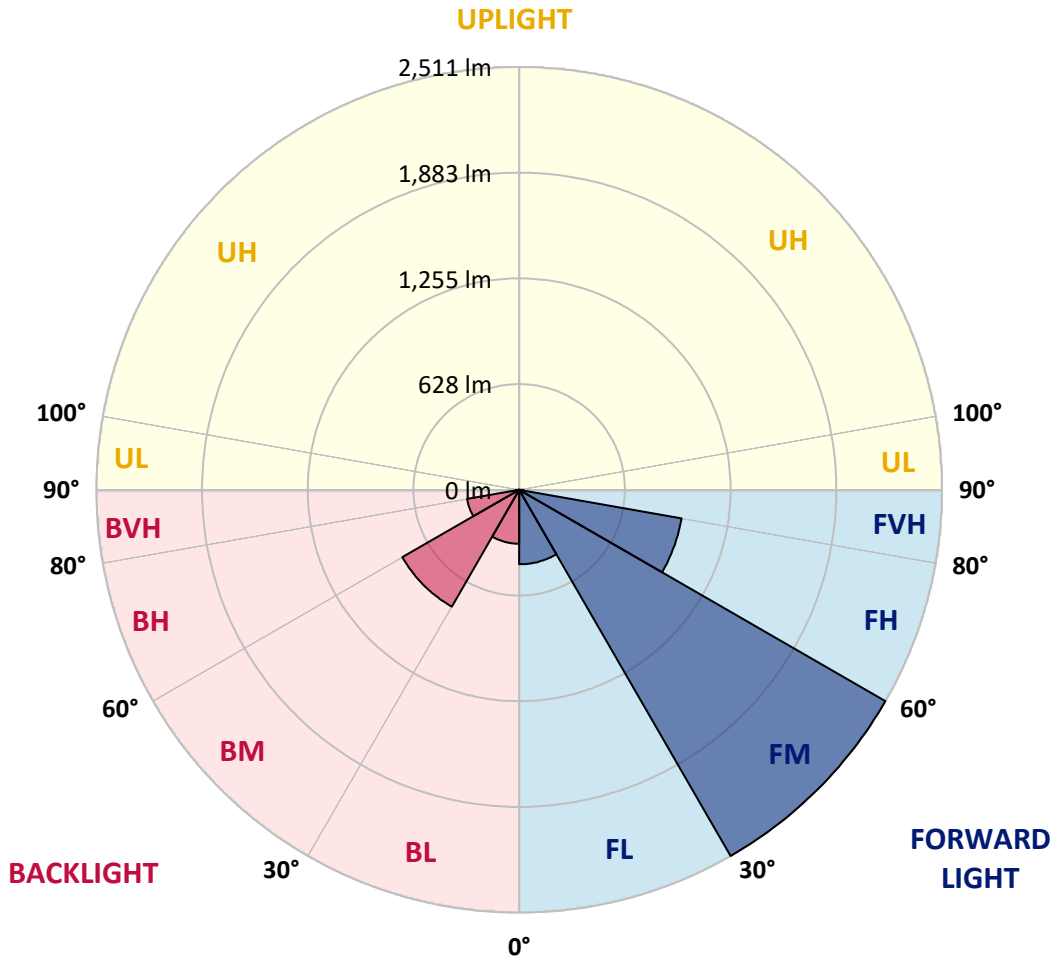
Scaled Data Report

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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°)	442.3	8.2			
FM	(30°-60°)	2510.7	46.4			
FH	(60°-80°)	979.4	18.1			G1/1800
FVH	(80°-90°)	22.6	0.4			G1/100
BL	(0°-30°)	320.4	5.9	B1/500		
BM	(30°-60°)	801.0	14.8	B1/1000		
BH	(60°-80°)	314.0	5.8	B1/500		G1/500
BVH	(80°-90°)	19.3	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°	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4
2.5°	887.7	890.1	886.4	888.9	888.9	885.2	884.0	879.0	881.5	880.3	879.0
5°	908.6	909.9	907.4	911.1	911.1	912.3	911.1	904.9	904.9	904.9	902.5
7.5°	902.5	902.5	903.7	916.0	928.4	944.4	944.4	941.9	944.4	943.2	932.1
10°	850.7	855.6	866.7	897.5	927.1	961.7	985.1	992.5	992.5	993.7	975.2
12.5°	758.2	761.9	787.8	834.7	896.3	959.2	1015.9	1052.9	1056.6	1062.7	1038.1
15°	675.6	678.1	696.6	744.7	814.9	925.9	1033.2	1109.6	1121.9	1147.8	1110.8
17.5°	683.0	681.8	686.7	705.2	755.8	871.7	1029.5	1176.2	1198.4	1244.0	1211.9
20°	727.4	727.4	731.1	734.8	753.3	832.2	1002.3	1230.4	1273.6	1362.3	1325.4
22.5°	797.7	797.7	796.4	802.6	802.6	849.5	1003.6	1271.1	1335.2	1494.3	1458.5
25°	895.1	890.1	890.1	892.6	881.5	914.8	1034.4	1313.0	1396.9	1650.8	1620.0
27.5°	1004.8	1008.5	1006.0	997.4	982.6	1008.5	1108.4	1378.4	1465.9	1816.0	1803.7
30°	1124.4	1125.6	1128.1	1123.2	1110.8	1129.3	1224.3	1477.0	1557.1	1988.6	2015.8
32.5°	1241.5	1258.8	1252.6	1240.3	1245.2	1278.5	1367.3	1610.2	1692.8	2148.9	2245.1
35°	1390.7	1396.9	1421.5	1375.9	1377.1	1433.8	1549.7	1785.2	1865.4	2315.4	2474.4
37.5°	1607.7	1618.8	1607.7	1536.2	1525.1	1604.0	1727.3	1957.8	2015.8	2441.1	2687.7
40°	1821.0	1834.5	1853.0	1769.2	1698.9	1764.3	1894.9	2089.7	2150.2	2510.2	2829.5
42.5°	1997.3	2019.5	1999.7	1975.1	1911.0	1923.3	2012.1	2192.1	2252.5	2597.7	2972.5
45°	2146.5	2150.2	2158.8	2141.5	2109.5	2098.4	2111.9	2282.1	2348.7	2637.1	3042.8
47.5°	2208.1	2224.1	2231.5	2261.1	2294.4	2272.2	2197.0	2324.0	2384.4	2634.7	3065.0
50°	2174.8	2190.8	2230.3	2300.6	2380.7	2420.2	2296.9	2381.9	2449.7	2679.1	3110.6
52.5°	2087.3	2104.5	2168.7	2248.8	2383.2	2473.2	2437.4	2502.8	2568.1	2758.0	3187.0
55°	1875.2	1901.1	1991.1	2124.3	2309.2	2444.8	2585.4	2680.3	2751.8	2852.9	3265.9
57.5°	1567.0	1594.1	1695.2	1894.9	2172.3	2327.7	2628.5	3013.2	3045.2	2966.3	3273.3
60°	*1173.7*	*1195.9*	*1338.9*	*1499.2*	*1824.7*	*2113.2*	*2603.9*	*3328.8*	*3410.2*	*2946.6*	*3037.8*
62.5°	929.6	956.7	1083.7	1157.7	1390.7	1745.8	2517.6	3416.3	3486.6	2783.9	2709.9
65°	726.2	744.7	863.0	969.1	1025.8	1192.2	2157.6	2988.5	3051.4	2518.8	2236.5
67.5°	479.6	508.0	648.5	794.0	823.6	758.2	1484.4	2299.3	2328.9	2002.2	1681.7
70°	344.0	357.5	462.3	617.7	662.1	508.0	808.8	1740.8	1749.5	1343.8	1133.0
72.5°	234.2	236.7	314.4	473.4	527.7	368.6	445.1	1146.6	1117.0	663.3	648.5
75°	159.0	161.5	201.0	315.6	373.6	256.4	289.7	625.1	600.4	366.2	393.3
77.5°	107.3	109.7	138.1	212.1	249.0	177.5	212.1	330.4	324.2	242.9	210.8
80°	81.4	85.1	102.3	135.6	173.8	103.6	120.8	156.6	159.0	129.5	107.3
82.5°	45.6	50.5	61.6	69.0	112.2	57.9	57.9	93.7	90.0	80.1	57.9
85°	19.7	21.0	24.7	25.9	45.6	24.7	21.0	40.7	41.9	39.5	18.5
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9	4.9	4.9
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°	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4
2.5°	872.9	880.3	872.9	869.2	869.2	863.0	860.6	860.6	851.9	855.6	853.2
5°	892.6	895.1	886.4	875.4	860.6	848.2	831.0	808.8	795.2	794.0	795.2
7.5°	923.4	924.7	901.2	876.6	839.6	795.2	742.2	699.0	660.8	654.7	662.1
10°	966.6	964.1	929.6	871.7	794.0	700.3	618.9	579.5	557.3	556.0	554.8
12.5°	1024.5	1008.5	955.5	850.7	715.1	606.6	564.7	562.2	568.4	573.3	574.5
15°	1091.1	1070.1	976.4	810.0	634.9	572.1	574.5	595.5	602.9	607.8	607.8
17.5°	1173.7	1146.6	999.9	752.1	594.3	579.5	596.7	616.4	628.8	633.7	632.5
20°	1283.4	1226.7	1018.4	696.6	583.2	591.8	606.6	626.3	638.6	644.8	644.8
22.5°	1393.2	1322.9	1022.1	658.4	583.2	593.0	606.6	626.3	639.9	646.0	644.8
25°	1542.3	1446.2	1023.3	631.2	584.4	586.9	599.2	616.4	636.2	642.3	644.8
27.5°	1701.4	1581.8	1029.5	625.1	579.5	578.2	586.9	602.9	622.6	638.6	639.9
30°	1898.6	1734.7	1031.9	631.2	580.7	564.7	570.8	586.9	607.8	623.8	628.8
32.5°	2092.2	1876.5	1027.0	644.8	583.2	556.0	557.3	567.1	589.3	600.4	609.0
35°	2296.9	2026.9	1018.4	663.3	584.4	552.3	541.2	546.2	561.0	562.2	565.9
37.5°	2457.1	2139.1	992.5	688.0	586.9	538.8	516.6	512.9	506.7	494.4	496.9
40°	2589.1	2214.3	949.3	700.3	580.7	522.7	485.8	468.5	445.1	426.6	430.3
42.5°	2684.0	2264.8	897.5	702.7	570.8	495.6	450.0	420.4	394.5	374.8	376.0
45°	2725.9	2259.9	842.1	684.3	547.4	462.3	416.7	388.4	360.0	339.0	336.6
47.5°	2727.1	2211.8	765.6	639.9	508.0	424.1	385.9	355.1	331.6	316.9	315.6
50°	2737.0	2184.7	694.1	575.8	456.2	383.4	358.8	327.9	314.4	293.4	287.3
52.5°	2798.7	2229.1	644.8	505.5	408.1	353.8	335.3	308.2	286.0	272.5	271.2
55°	2898.5	2305.5	617.7	452.5	362.5	325.5	313.2	289.7	270.0	256.4	252.7
57.5°	2910.8	2345.0	585.6	403.2	325.5	303.3	298.4	272.5	244.1	234.2	230.6
60°	*2738.2*	*2278.4*	*546.2*	*357.5*	*298.4*	*286.0*	*283.6*	*249.0*	*225.6*	*213.3*	*208.4*
62.5°	2502.8	2111.9	485.8	315.6	277.4	268.8	258.9	231.8	202.2	188.6	184.9
65°	2045.4	1775.4	413.0	287.3	256.4	246.6	244.1	207.1	187.4	180.0	178.8
67.5°	1549.7	1426.5	363.7	266.3	234.2	230.6	221.9	209.6	201.0	192.3	189.9
70°	1096.0	1029.5	309.5	239.2	212.1	205.9	241.6	228.1	197.3	186.2	184.9
72.5°	664.5	646.0	267.5	214.5	182.5	192.3	223.2	205.9	177.5	164.0	159.0
75°	419.2	383.4	224.4	182.5	145.5	156.6	194.8	183.7	152.9	139.3	135.6
77.5°	228.1	212.1	168.9	149.2	114.7	127.0	170.1	151.6	122.1	133.2	118.4
80°	99.9	111.0	112.2	86.3	76.4	93.7	122.1	118.4	93.7	94.9	78.9
82.5°	48.1	62.9	72.7	59.2	43.2	55.5	81.4	67.8	62.9	59.2	56.7
85°	14.8	23.4	32.1	28.4	19.7	23.4	38.2	37.0	44.4	38.2	35.8
87.5°	4.9	4.9	3.7	3.7	3.7	4.9	6.2	3.7	1.2	1.2	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°	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4	870.4
2.5°	851.9	853.2	853.2	854.4	854.4	858.1	863.0	868.0	864.3	869.2	870.4
5°	792.7	798.9	803.8	822.3	837.1	849.5	863.0	875.4	879.0	881.5	887.7
7.5°	653.4	670.7	702.7	744.7	791.5	837.1	868.0	900.0	904.9	911.1	919.7
10°	556.0	563.4	585.6	628.8	712.6	802.6	877.8	928.4	949.3	961.7	970.3
12.5°	572.1	567.1	563.4	569.6	623.8	739.7	871.7	969.1	1008.5	1022.1	1033.2
15°	610.3	605.3	591.8	574.5	580.7	673.2	850.7	1007.3	1070.1	1092.3	1115.8
17.5°	632.5	627.5	616.4	598.0	581.9	617.7	811.2	1041.8	1167.5	1194.7	1228.0
20°	644.8	639.9	628.8	610.3	591.8	596.7	760.7	1084.9	1278.5	1321.7	1371.0
22.5°	647.3	641.1	628.8	610.3	599.2	595.5	712.6	1110.8	1398.1	1464.7	1521.4
25°	646.0	634.9	618.9	605.3	599.2	598.0	679.3	1125.6	1527.5	1633.6	1697.7
27.5°	637.4	623.8	607.8	598.0	595.5	602.9	664.5	1142.9	1679.2	1814.8	1917.1
30°	627.5	607.8	588.1	584.4	590.6	614.0	676.9	1149.1	1838.2	2012.1	2116.9
32.5°	601.6	586.9	567.1	565.9	580.7	622.6	705.2	1140.4	1978.8	2209.3	2341.3
35°	564.7	556.0	544.9	548.6	572.1	630.0	724.9	1113.3	2107.0	2393.0	2547.1
37.5°	499.3	505.5	511.6	520.3	549.9	628.8	733.6	1070.1	2213.0	2539.8	2737.0
40°	426.6	447.5	467.3	489.5	528.9	618.9	736.0	1017.1	2274.7	2650.7	2905.9
42.5°	381.0	400.7	425.3	457.4	500.6	596.7	733.6	958.0	2294.4	2727.1	3013.2
45°	339.0	362.5	393.3	426.6	475.9	564.7	711.4	893.8	2304.3	2762.9	3058.8
47.5°	316.9	330.4	358.8	392.1	443.8	525.2	668.2	847.0	2289.5	2770.3	3114.3
50°	291.0	309.5	327.9	360.0	410.6	475.9	616.4	819.9	2314.1	2843.0	3201.8
52.5°	271.2	281.1	300.8	330.4	367.4	430.3	567.1	797.7	2381.9	2917.0	3293.0
55°	256.4	267.5	279.9	304.5	332.9	384.7	516.6	764.4	2460.8	2995.9	3384.3
57.5°	233.0	240.4	257.7	283.6	302.1	340.3	457.4	724.9	2454.7	2934.3	3226.5
60°	*212.1*	*219.5*	*237.9*	*263.8*	*274.9*	*300.8*	*399.5*	*674.4*	*2336.3*	*2733.3*	*2935.5*
62.5°	188.6	197.3	219.5	237.9	247.8	267.5	339.0	581.9	2089.7	2431.3	2595.2
65°	178.8	183.7	198.5	220.7	219.5	237.9	286.0	457.4	1681.7	1858.0	2007.1
67.5°	189.9	197.3	194.8	201.0	197.3	207.1	256.4	367.4	1321.7	1399.3	1485.6
70°	187.4	204.7	213.3	201.0	172.6	183.7	221.9	293.4	945.6	938.2	934.5
72.5°	164.0	181.2	205.9	218.2	168.9	152.9	192.3	254.0	606.6	604.1	546.2
75°	139.3	151.6	181.2	197.3	145.5	123.3	165.2	215.8	362.5	367.4	327.9
77.5°	128.2	122.1	151.6	173.8	118.4	94.9	133.2	162.7	199.7	202.2	187.4
80°	92.5	88.8	113.4	127.0	90.0	67.8	75.2	101.1	107.3	96.2	99.9
82.5°	59.2	60.4	67.8	81.4	55.5	37.0	51.8	67.8	57.9	46.8	55.5
85°	38.2	43.2	35.8	41.9	17.3	17.3	22.2	29.6	19.7	13.6	14.8
87.5°	0.0	0.0	2.5	4.9	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: P1501446
CATALOG NUMBER: GSS-SB1B-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	870.4	870.4	*870.4*	870.4	870.4	870.4	870.4	870.4	870.4	870.4
2.5°	874.1	872.9	*872.9*	875.4	881.5	884.0	887.7	886.4	890.1	887.7
5°	891.4	892.6	*896.3*	897.5	901.2	906.2	907.4	906.2	908.6	908.6
7.5°	925.9	930.8	*928.4*	934.5	929.6	923.4	913.6	906.2	900.0	902.5
10°	983.8	981.4	*980.1*	969.1	946.9	914.8	888.9	860.6	855.6	850.7
12.5°	1048.0	1045.5	*1045.5*	1007.3	944.4	877.8	818.6	774.3	759.5	758.2
15°	1138.0	1121.9	*1107.1*	1027.0	901.2	787.8	718.8	684.3	675.6	675.6
17.5°	1250.1	1208.2	*1183.6*	1012.2	831.0	728.6	688.0	679.3	676.9	683.0
20°	1389.5	1283.4	*1247.7*	978.9	805.1	736.0	716.3	717.5	718.8	727.4
22.5°	1542.3	1352.5	*1293.3*	978.9	831.0	782.9	773.0	786.6	790.3	797.7
25°	1712.5	1414.1	*1334.0*	1030.7	907.4	871.7	859.3	872.9	882.7	895.1
27.5°	1903.6	1478.2	*1404.3*	1124.4	1006.0	983.8	970.3	976.4	990.0	1004.8
30°	2075.0	1585.5	*1511.5*	1267.4	1140.4	1113.3	1089.9	1099.7	1114.5	1124.4
32.5°	2226.6	1716.2	*1653.3*	1417.8	1294.5	1247.7	1221.8	1219.3	1248.9	1241.5
35°	2365.9	1870.3	*1809.9*	1589.2	1451.1	1393.2	1358.6	1403.0	1383.3	1390.7
37.5°	2475.6	2030.6	*1982.5*	1753.2	1613.9	1534.9	1514.0	1568.2	1599.1	1607.7
40°	2565.6	2169.9	*2119.3*	1915.9	1763.0	1705.1	1738.4	1828.4	1824.7	1821.0
42.5°	2634.7	2289.5	*2234.0*	2039.2	1906.0	1917.1	1943.0	2003.4	2018.2	1997.3
45°	2665.5	2364.7	*2320.3*	2136.6	2068.8	2132.9	2144.0	2169.9	2160.0	2146.5
47.5°	2701.3	2431.3	*2384.4*	2225.4	2245.1	2308.0	2285.8	2264.8	2229.1	2208.1
50°	2761.7	2510.2	*2470.7*	2354.8	2426.3	2405.4	2319.1	2272.2	2199.5	2174.8
52.5°	2876.3	2659.3	*2629.8*	2559.5	2511.4	2390.6	2285.8	2201.9	2120.6	2087.3
55°	2978.7	2861.5	*2844.3*	2750.6	2485.5	2312.9	2172.3	2042.9	1903.6	1875.2
57.5°	3037.8	3196.9	*3216.6*	2831.9	2367.1	2136.6	1929.5	1722.3	1590.4	1567.0
60°	*2861.5*	*3559.3*	*3569.2*	*2815.9*	*2153.9*	*1818.5*	*1502.9*	*1356.2*	*1214.4*	*1173.7*
62.5°	2618.7	3484.1	*3475.5*	2719.8	1714.9	1326.6	1141.7	1072.6	962.9	929.6
65°	2251.3	2902.2	*2912.1*	2349.9	1140.4	959.2	959.2	871.7	749.6	726.2
67.5°	1834.5	2237.7	*2215.5*	1523.9	700.3	768.1	805.1	679.3	508.0	479.6
70°	1192.2	1708.8	*1678.0*	879.0	440.1	639.9	633.7	510.4	363.7	344.0
72.5°	512.9	987.5	*1050.4*	448.8	331.6	515.3	505.5	357.5	242.9	234.2
75°	309.5	496.9	*541.2*	286.0	241.6	388.4	350.1	226.9	165.2	159.0
77.5°	196.0	272.5	*270.0*	214.5	181.2	262.6	235.5	156.6	112.2	107.3
80°	113.4	134.4	*139.3*	134.4	122.1	187.4	150.4	113.4	87.5	81.4
82.5°	72.7	83.8	*85.1*	65.3	67.8	120.8	81.4	66.6	50.5	45.6
85°	32.1	35.8	*34.5*	22.2	22.2	49.3	28.4	27.1	19.7	19.7
87.5°	1.2	2.5	*1.2*	1.2	1.2	4.9	2.5	3.7	3.7	3.7
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

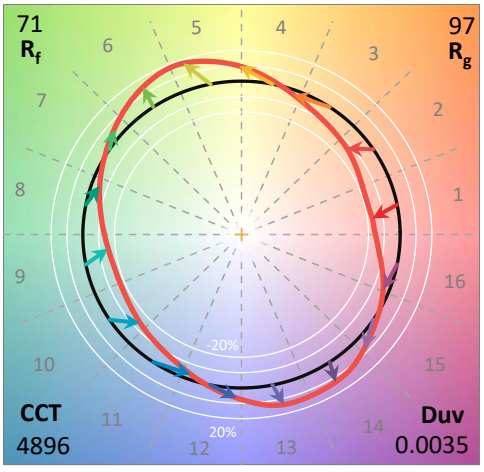
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

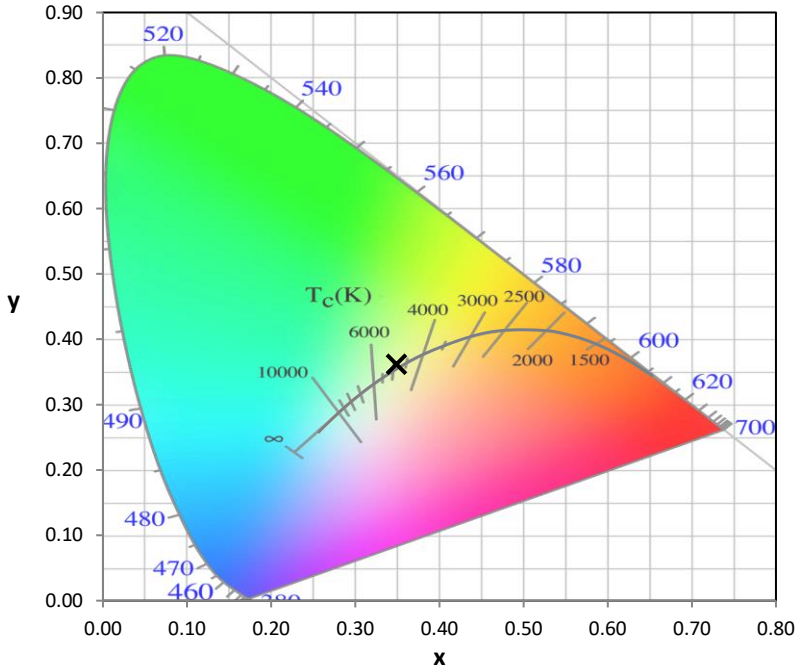
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

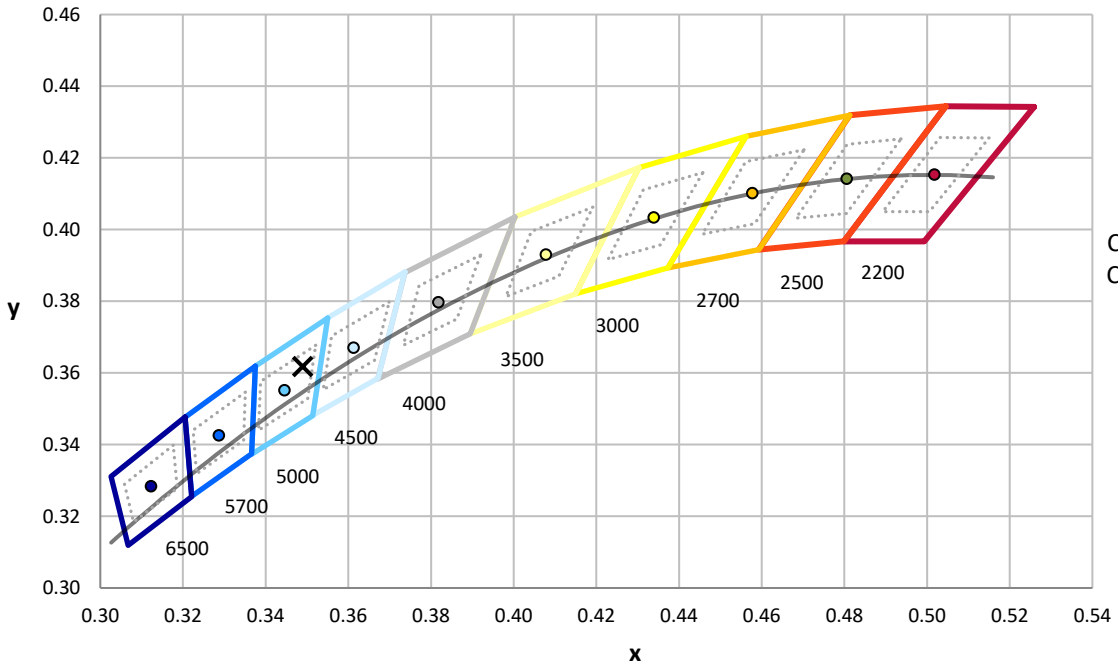
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

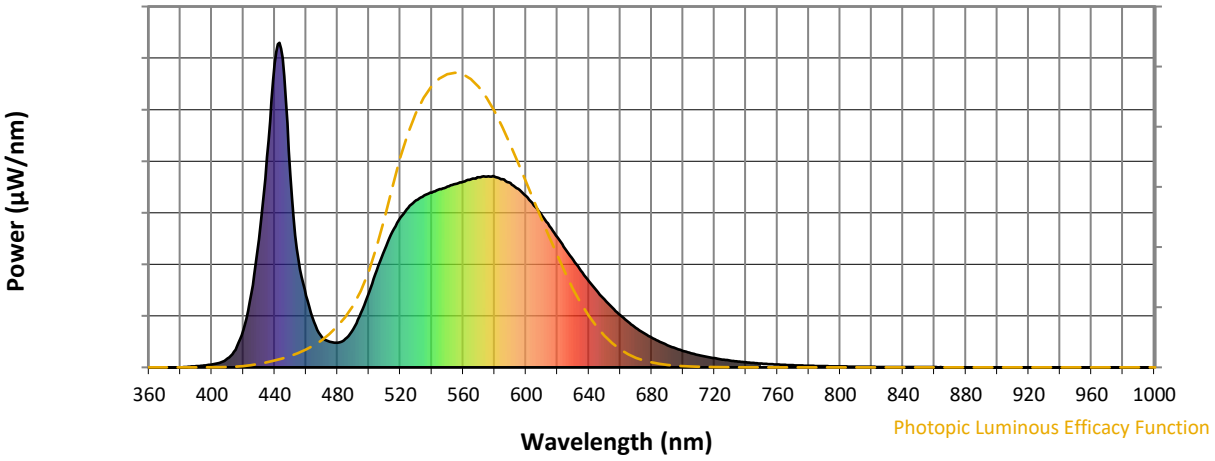


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

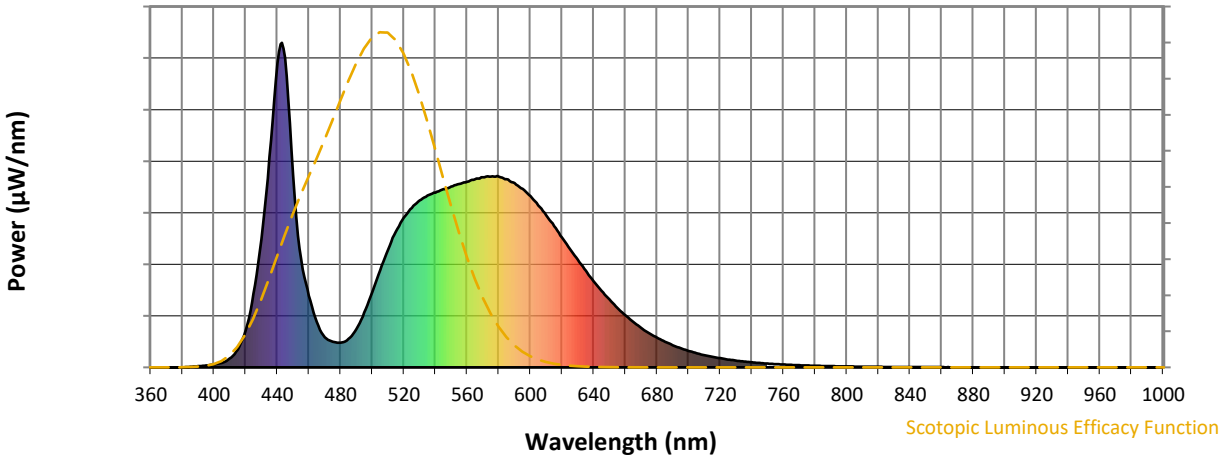


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

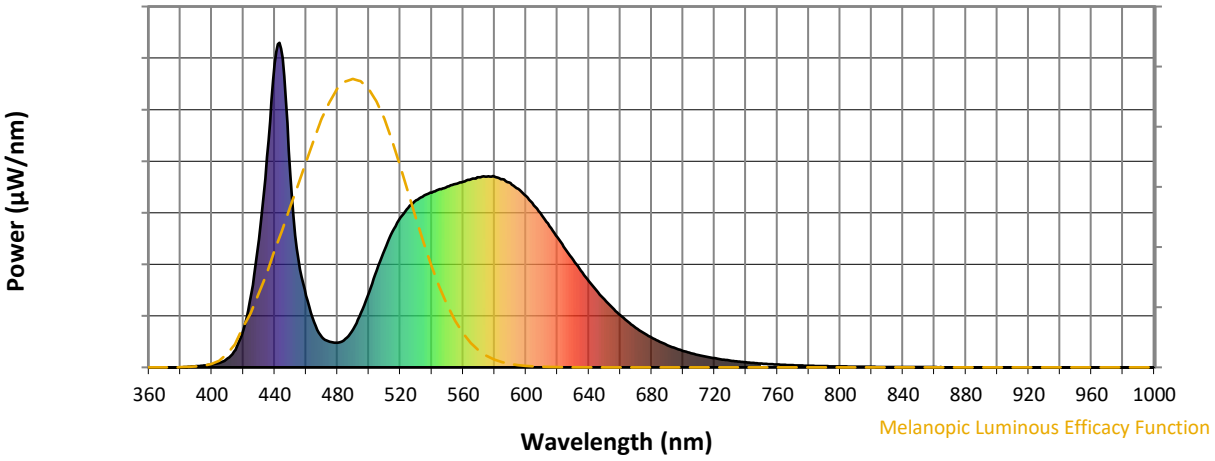


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

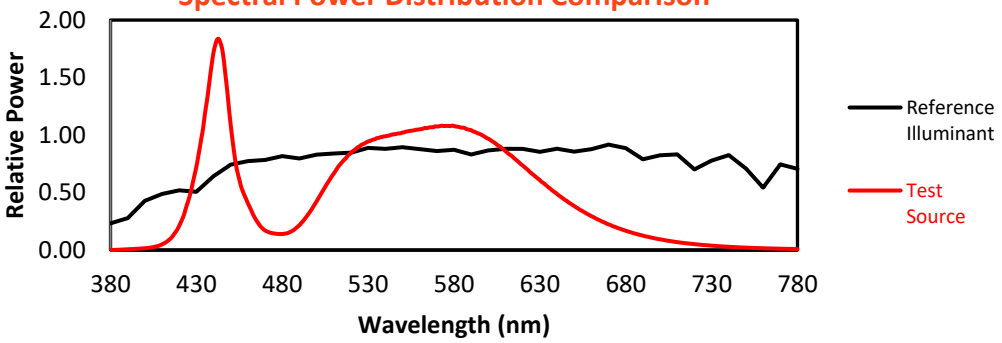
REPORT NUMBER: SP1-2407-184-6

TM-30-18

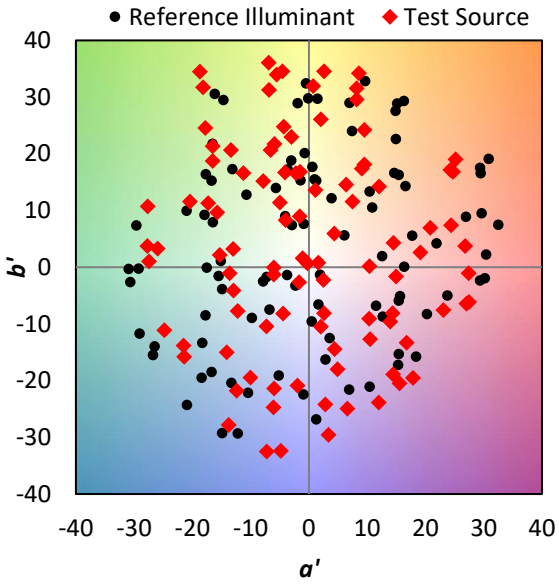
Summary

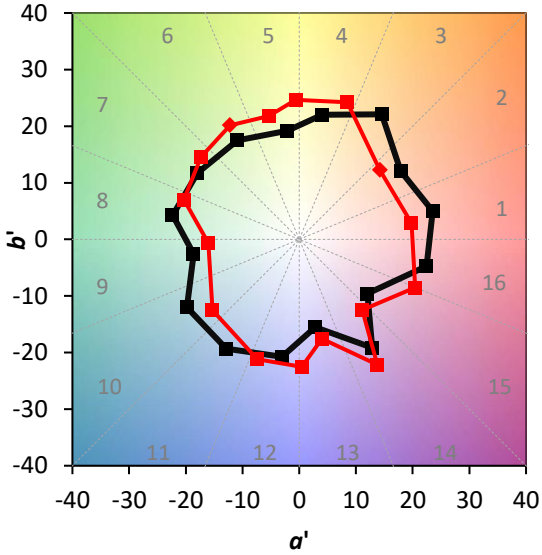
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R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

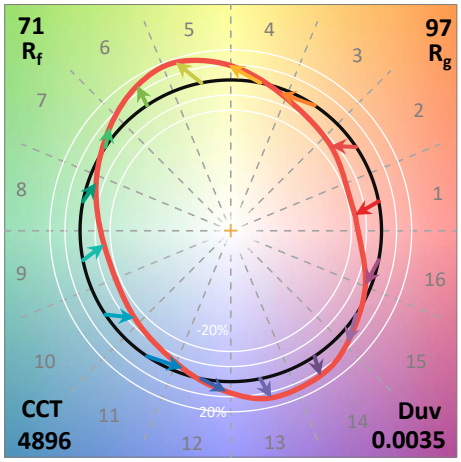
Spectral Power Distribution Comparison

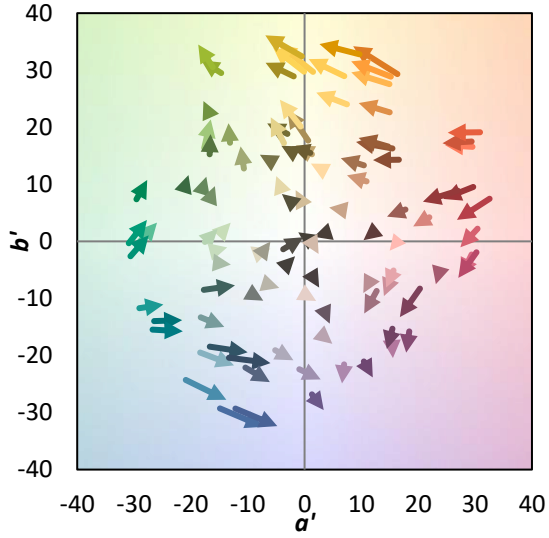


Color Vector Graphics







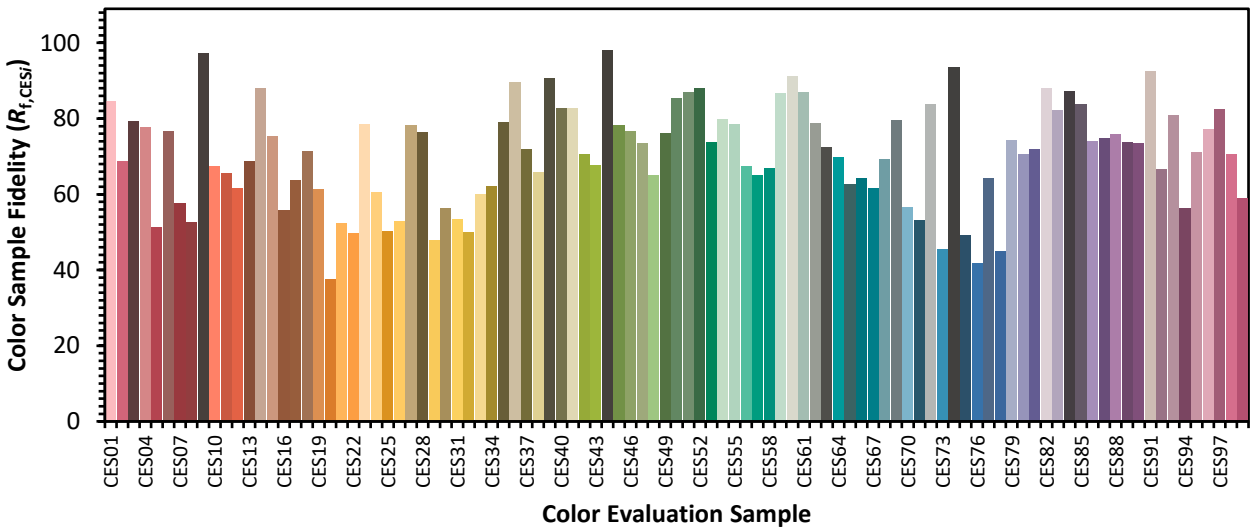


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

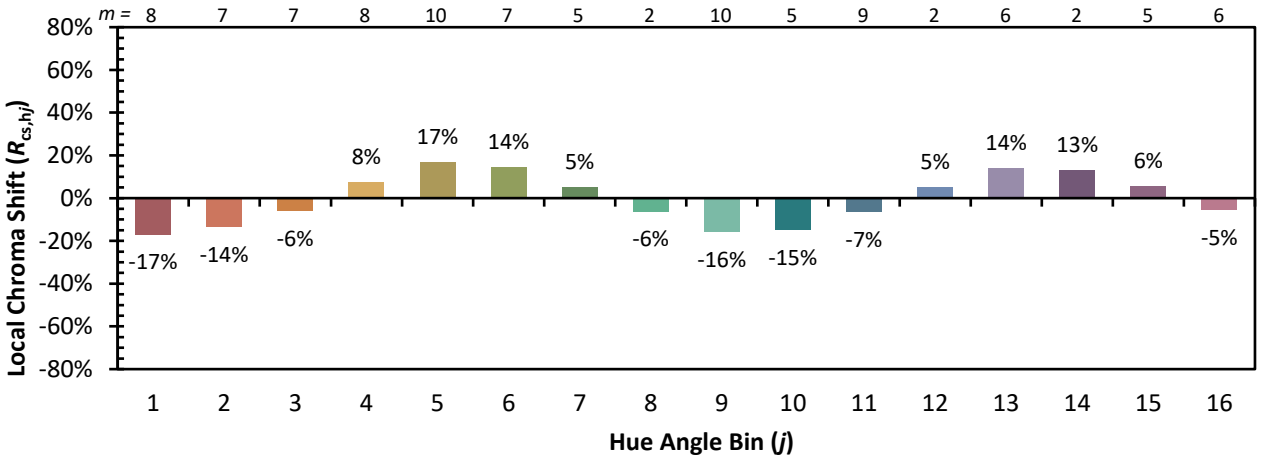
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

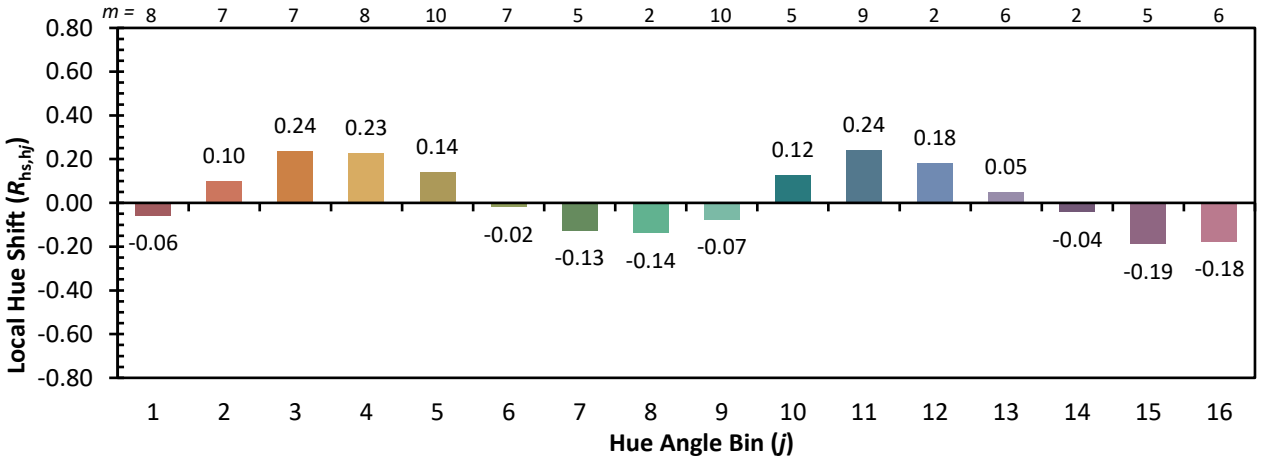


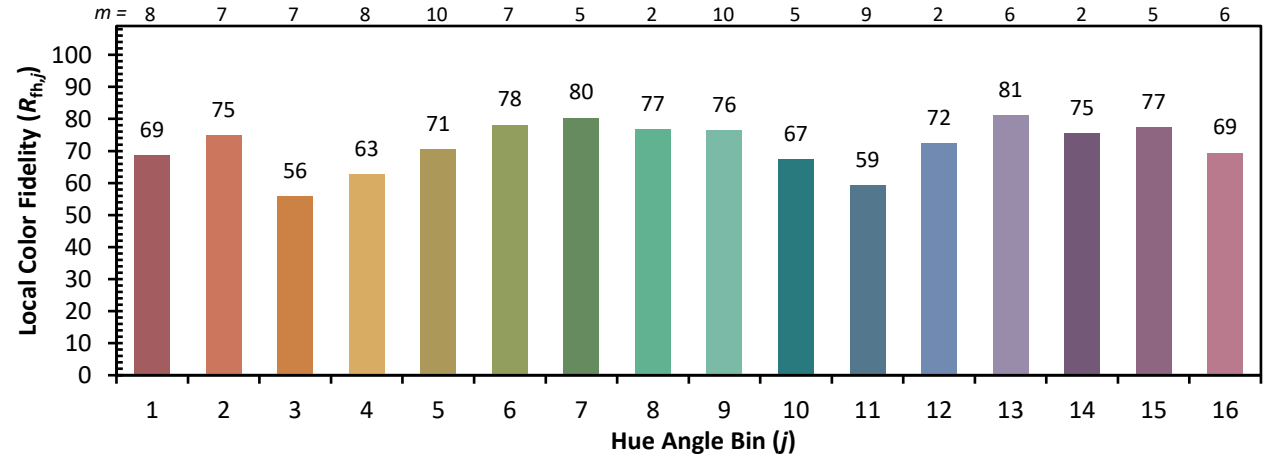
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Color Rendition by Hue-Angle Bin



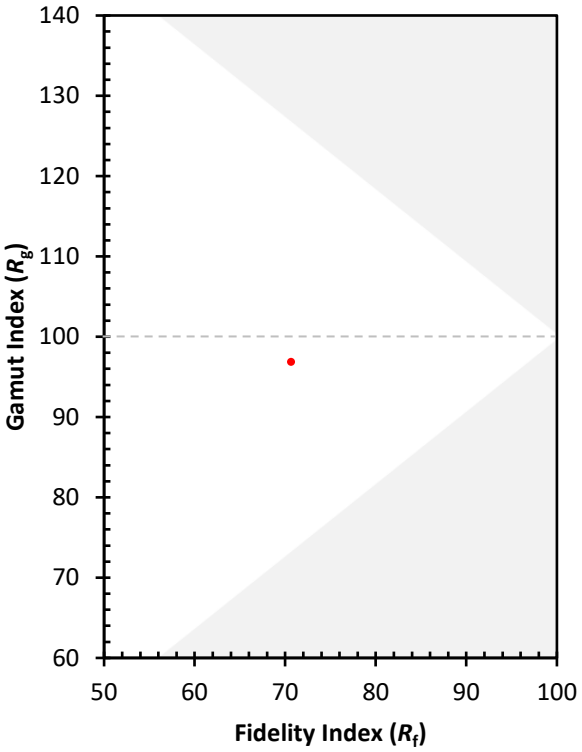


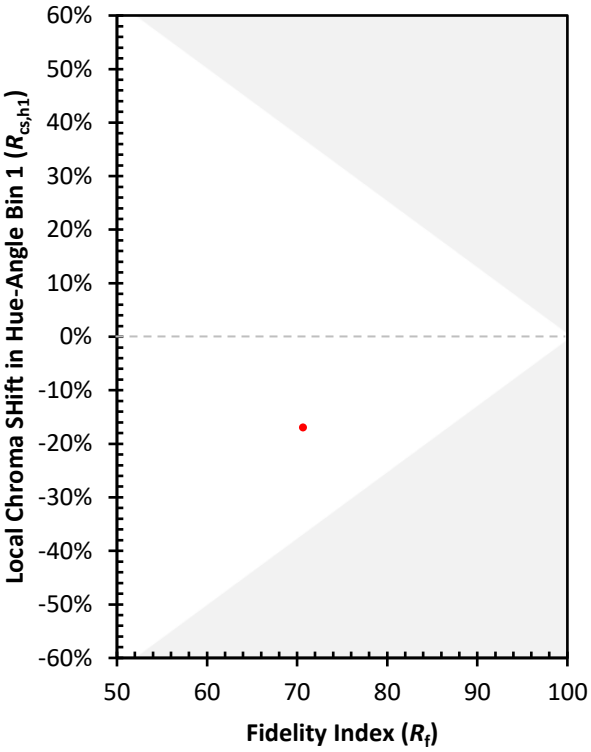


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Measure Comparisons





(END OF REPORT)