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: P1501422

Luminaire Tested: GSS-SB1B-735-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:	P1501422
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5112.3 lumens
Efficiency:	N/A
Efficacy:	127.8 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

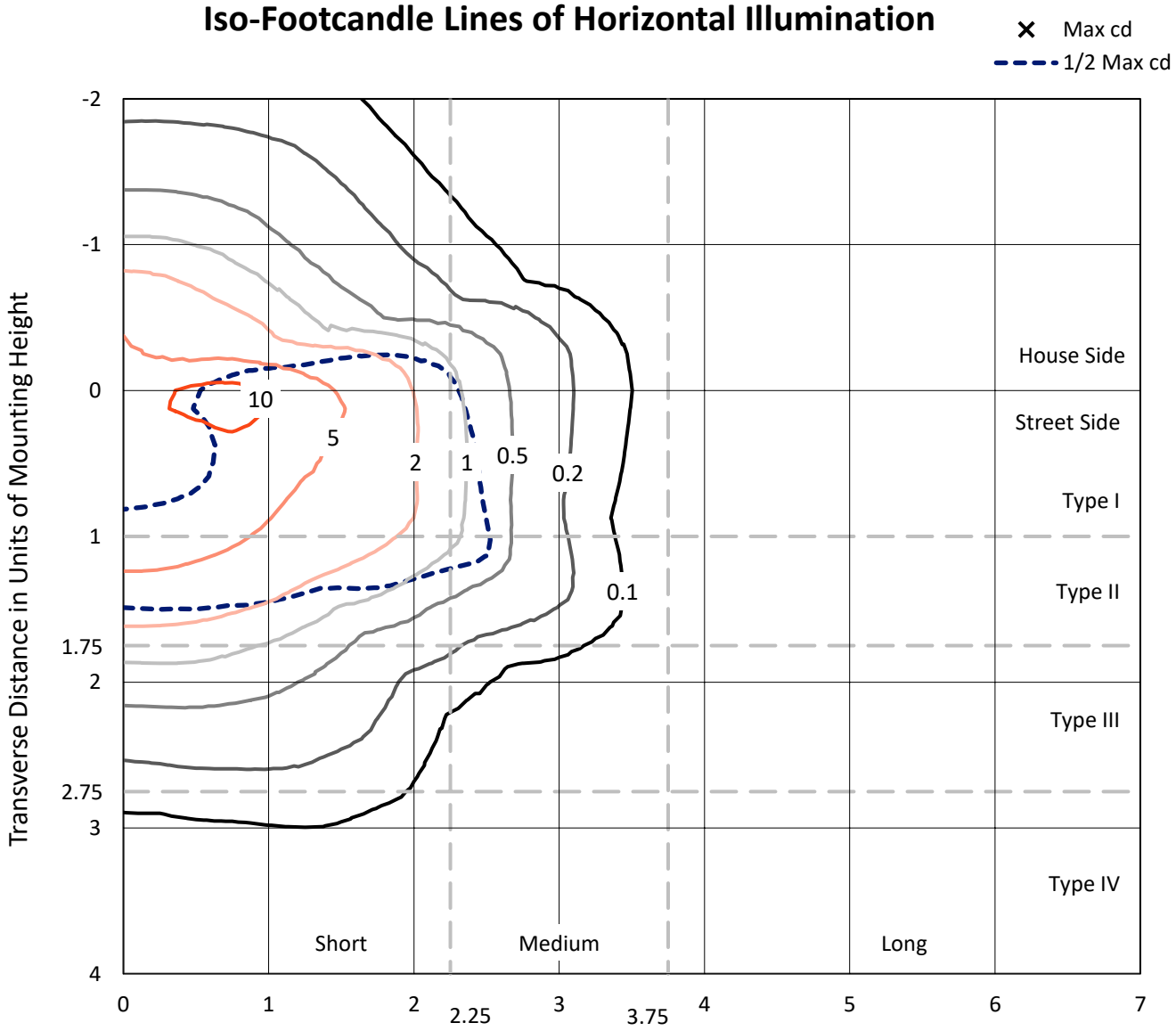
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



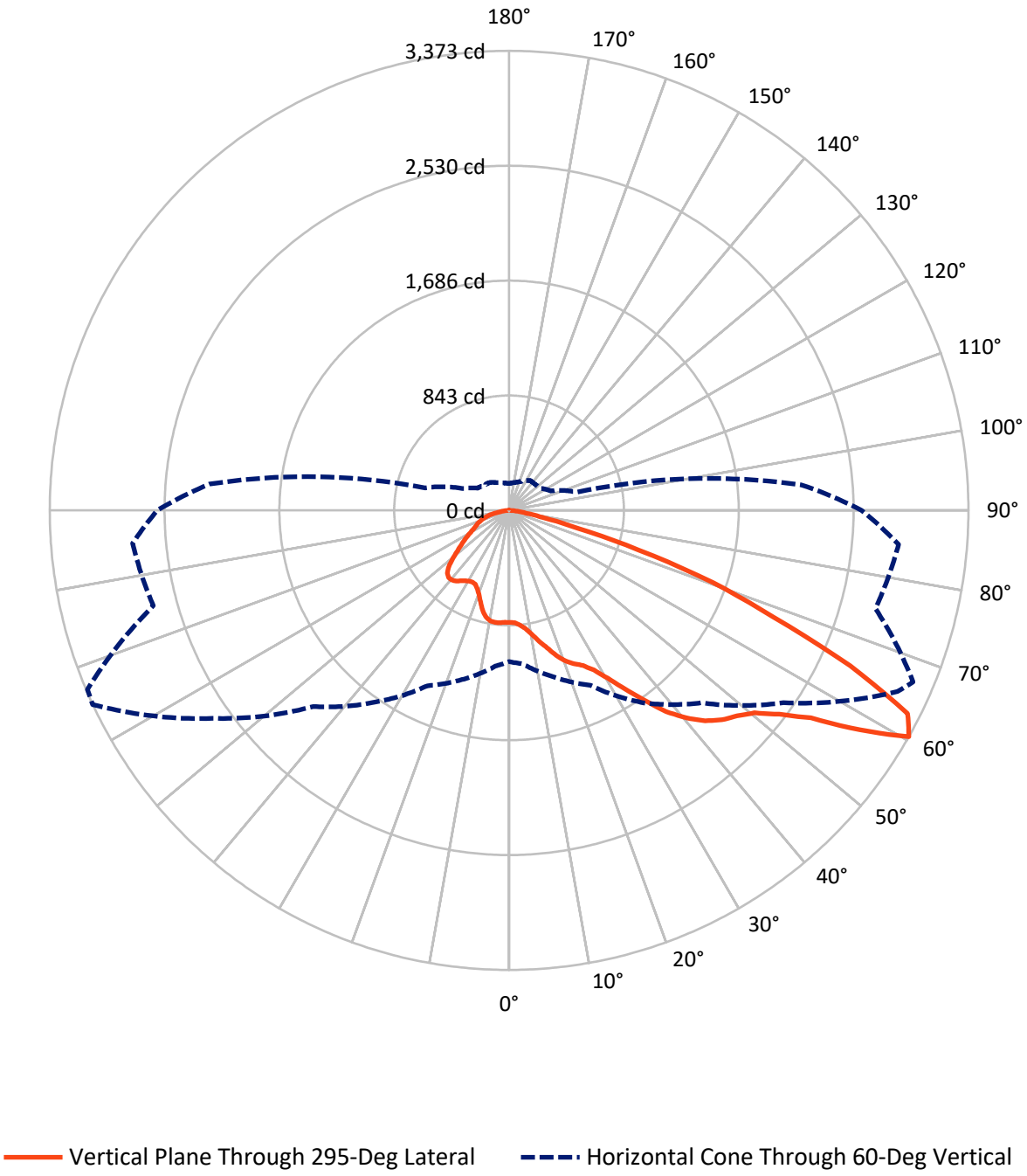
Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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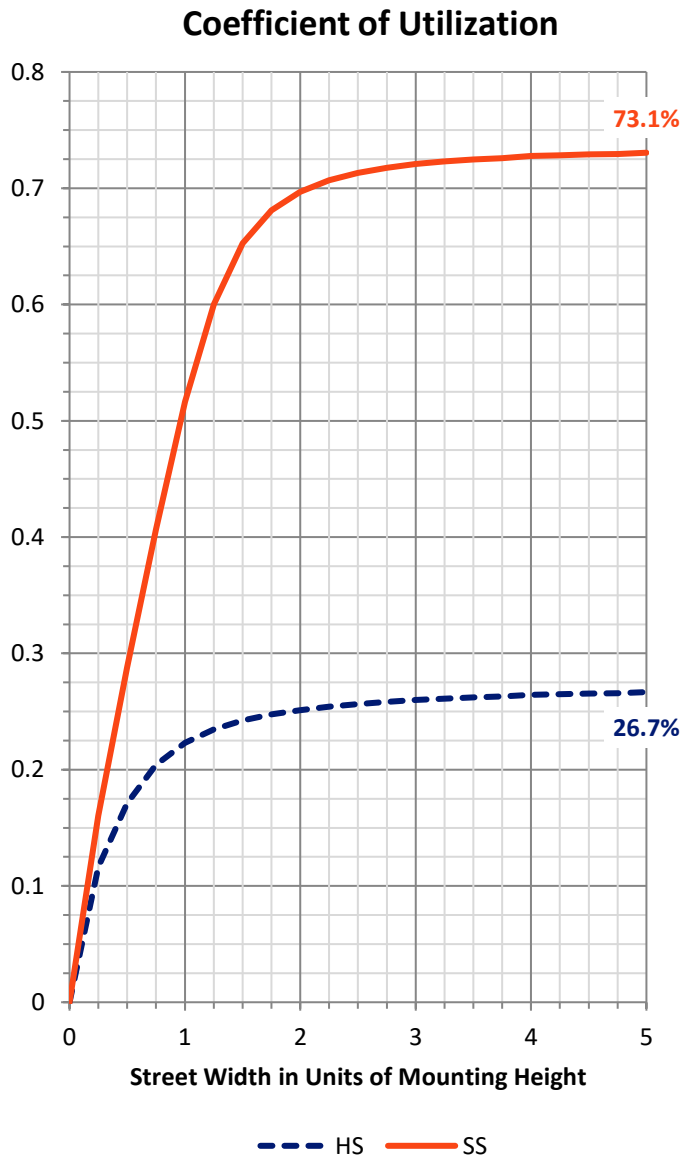
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1374.8	0.0	1374.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3737.5	0.0	3737.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	5112.3	0.0	5112.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	1.5
10°-20°	222.3	4.3
20°-30°	421.1	8.2
30°-40°	742.4	14.5
40°-50°	1097.9	21.5
50°-60°	1289.3	25.2
60°-70°	934.1	18.3
70°-80°	288.1	5.6
80°-90°	39.7	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°	5112.3	100.0
0°-180°	5112.3	100.0



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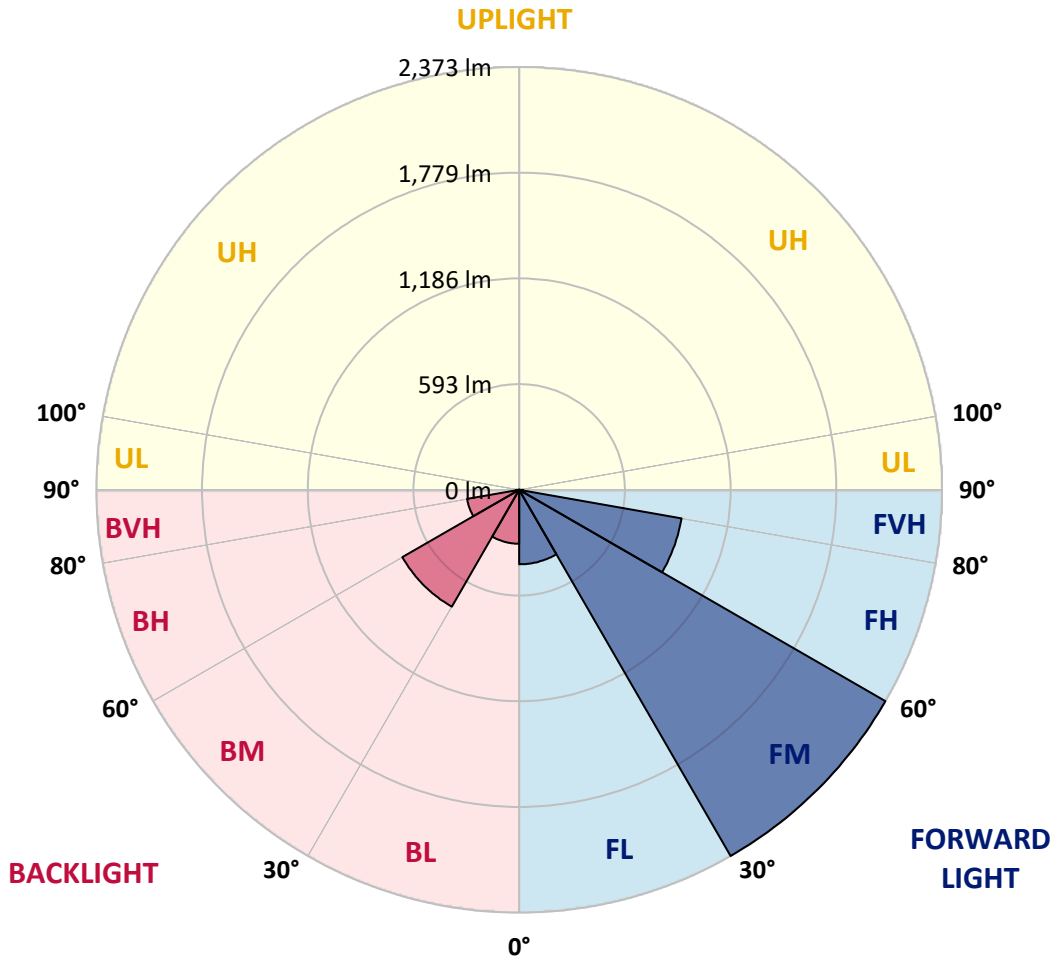
Scaled Data Report

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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°)	418.0	8.2			
FM	(30°-60°)	2372.7	46.4			
FH	(60°-80°)	925.5	18.1			G1/1800
FVH	(80°-90°)	21.4	0.4			G1/100
BL	(0°-30°)	302.8	5.9	B1/500		
BM	(30°-60°)	757.0	14.8	B1/1000		
BH	(60°-80°)	296.7	5.8	B1/500		G1/500
BVH	(80°-90°)	18.3	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°	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5
2.5°	838.9	841.2	837.7	840.0	840.0	836.5	835.4	830.7	833.0	831.9	830.7
5°	858.7	859.8	857.5	861.0	861.0	862.2	861.0	855.2	855.2	855.2	852.8
7.5°	852.8	852.8	854.0	865.7	877.3	892.5	892.5	890.1	892.5	891.3	880.8
10°	803.9	808.6	819.1	848.2	876.1	908.8	930.9	937.9	937.9	939.1	921.6
12.5°	716.5	720.0	744.5	788.8	847.0	906.4	960.0	995.0	998.5	1004.3	981.0
15°	638.5	640.8	658.3	703.7	770.1	875.0	976.3	1048.6	1060.2	1084.7	1049.7
17.5°	645.5	644.3	648.9	666.4	714.2	823.7	972.8	1111.5	1132.5	1175.6	1145.3
20°	687.4	687.4	690.9	694.4	711.9	786.4	947.2	1162.7	1203.5	1287.4	1252.5
22.5°	753.8	753.8	752.6	758.5	758.5	802.7	948.4	1201.2	1261.8	1412.1	1378.3
25°	845.8	841.2	841.2	843.5	833.0	864.5	977.5	1240.8	1320.0	1560.0	1530.9
27.5°	949.5	953.0	950.7	942.5	928.6	953.0	1047.4	1302.6	1385.3	1716.2	1704.5
30°	1062.6	1063.7	1066.0	1061.4	1049.7	1067.2	1156.9	1395.8	1471.5	1879.3	1904.9
32.5°	1173.2	1189.5	1183.7	1172.1	1176.7	1208.2	1292.1	1521.6	1599.7	2030.7	2121.6
35°	1314.2	1320.0	1343.3	1300.2	1301.4	1355.0	1464.5	1687.0	1762.8	2188.0	2338.3
37.5°	1519.3	1529.7	1519.3	1451.7	1441.2	1515.8	1632.3	1850.1	1904.9	2306.9	2539.9
40°	1720.8	1733.6	1751.1	1671.9	1605.5	1667.2	1790.7	1974.8	2031.9	2372.1	2673.9
42.5°	1887.4	1908.4	1889.8	1866.5	1805.9	1817.5	1901.4	2071.5	2128.6	2454.8	2809.0
45°	2028.4	2031.9	2040.1	2023.7	1993.5	1983.0	1995.8	2156.6	2219.5	2492.1	2875.4
47.5°	2086.7	2101.8	2108.8	2136.8	2168.2	2147.2	2076.2	2196.2	2253.3	2489.8	2896.4
50°	2055.2	2070.3	2107.6	2174.0	2249.8	2287.1	2170.5	2250.9	2315.0	2531.7	2939.5
52.5°	1972.5	1988.8	2049.4	2125.1	2252.1	2337.1	2303.4	2365.1	2426.9	2606.3	3011.7
55°	1772.1	1796.6	1881.6	2007.4	2182.2	2310.4	2443.2	2532.9	2600.5	2696.0	3086.3
57.5°	1480.8	1506.4	1602.0	1790.7	2052.9	2199.7	2483.9	2847.5	2877.7	2803.2	3093.3
60°	*1109.2*	*1130.1*	*1265.3*	*1416.7*	*1724.3*	*1996.9*	*2460.6*	*3145.7*	*3222.6*	*2784.5*	*2870.8*
62.5°	878.5	904.1	1024.1	1094.0	1314.2	1649.8	2379.1	3228.4	3294.8	2630.7	2560.8
65°	686.2	703.7	815.6	915.8	969.3	1126.6	2038.9	2824.2	2883.6	2380.3	2113.5
67.5°	453.2	480.0	612.8	750.3	778.3	716.5	1402.8	2172.9	2200.8	1892.1	1589.2
70°	325.1	337.9	436.9	583.7	625.6	480.0	764.3	1645.1	1653.2	1269.9	1070.7
72.5°	221.4	223.7	297.1	447.4	498.7	348.4	420.6	1083.5	1055.6	626.8	612.8
75°	150.3	152.6	189.9	298.3	353.0	242.3	273.8	590.7	567.4	346.0	371.7
77.5°	101.4	103.7	130.5	200.4	235.3	167.8	200.4	312.2	306.4	229.5	199.2
80°	76.9	80.4	96.7	128.2	164.3	97.9	114.2	148.0	150.3	122.3	101.4
82.5°	43.1	47.8	58.3	65.2	106.0	54.8	54.8	88.5	85.1	75.7	54.8
85°	18.6	19.8	23.3	24.5	43.1	23.3	19.8	38.4	39.6	37.3	17.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7
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°	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5
2.5°	824.9	831.9	824.9	821.4	821.4	815.6	813.2	813.2	805.1	808.6	806.2
5°	843.5	845.8	837.7	827.2	813.2	801.6	785.3	764.3	751.5	750.3	751.5
7.5°	872.6	873.8	851.7	828.4	793.4	751.5	701.4	660.6	624.5	618.7	625.6
10°	913.4	911.1	878.5	823.7	750.3	661.8	584.9	547.6	526.6	525.5	524.3
12.5°	968.2	953.0	902.9	803.9	675.7	573.2	533.6	531.3	537.1	541.8	542.9
15°	1031.1	1011.3	922.7	765.5	600.0	540.6	542.9	562.7	569.7	574.4	574.4
17.5°	1109.2	1083.5	944.9	710.7	561.6	547.6	563.9	582.5	594.2	598.9	597.7
20°	1212.8	1159.3	962.4	658.3	551.1	559.2	573.2	591.9	603.5	609.3	609.3
22.5°	1316.5	1250.1	965.9	622.2	551.1	560.4	573.2	591.9	604.7	610.5	609.3
25°	1457.5	1366.6	967.0	596.5	552.2	554.6	566.2	582.5	601.2	607.0	609.3
27.5°	1607.8	1494.8	972.8	590.7	547.6	546.4	554.6	569.7	588.4	603.5	604.7
30°	1794.2	1639.3	975.2	596.5	548.8	533.6	539.4	554.6	574.4	589.5	594.2
32.5°	1977.1	1773.3	970.5	609.3	551.1	525.5	526.6	535.9	556.9	567.4	575.5
35°	2170.5	1915.4	962.4	626.8	552.2	522.0	511.5	516.1	530.1	531.3	534.8
37.5°	2322.0	2021.4	937.9	650.1	554.6	509.1	488.2	484.7	478.8	467.2	469.5
40°	2446.7	2092.5	897.1	661.8	548.8	494.0	459.0	442.7	420.6	403.1	406.6
42.5°	2536.4	2140.3	848.2	664.1	539.4	468.4	425.3	397.3	372.8	354.2	355.3
45°	2576.0	2135.6	795.7	646.6	517.3	436.9	393.8	367.0	340.2	320.4	318.1
47.5°	2577.2	2090.2	723.5	604.7	480.0	400.8	364.7	335.5	313.4	299.4	298.3
50°	2586.5	2064.5	655.9	544.1	431.1	362.3	339.0	309.9	297.1	277.3	271.5
52.5°	2644.7	2106.5	609.3	477.7	385.6	334.4	316.9	291.3	270.3	257.5	256.3
55°	2739.1	2178.7	583.7	427.6	342.5	307.6	295.9	273.8	255.2	242.3	238.8
57.5°	2750.8	2216.0	553.4	381.0	307.6	286.6	281.9	257.5	230.7	221.4	217.9
60°	*2587.6*	*2153.1*	*516.1*	*337.9*	*281.9*	*270.3*	*268.0*	*235.3*	*213.2*	*201.6*	*196.9*
62.5°	2365.1	1995.8	459.0	298.3	262.1	254.0	244.7	219.0	191.1	178.3	174.8
65°	1932.9	1677.7	390.3	271.5	242.3	233.0	230.7	195.7	177.1	170.1	168.9
67.5°	1464.5	1348.0	343.7	251.7	221.4	217.9	209.7	198.1	189.9	181.8	179.4
70°	1035.8	972.8	292.4	226.0	200.4	194.6	228.4	215.5	186.4	175.9	174.8
72.5°	628.0	610.5	252.8	202.7	172.4	181.8	210.9	194.6	167.8	155.0	150.3
75°	396.1	362.3	212.0	172.4	137.5	148.0	184.1	173.6	144.5	131.7	128.2
77.5°	215.5	200.4	159.6	141.0	108.4	120.0	160.8	143.3	115.3	125.8	111.8
80°	94.4	104.9	106.0	81.6	72.2	88.5	115.3	111.8	88.5	89.7	74.6
82.5°	45.4	59.4	68.7	55.9	40.8	52.4	76.9	64.1	59.4	55.9	53.6
85°	14.0	22.1	30.3	26.8	18.6	22.1	36.1	35.0	41.9	36.1	33.8
87.5°	4.7	4.7	3.5	3.5	3.5	4.7	5.8	3.5	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°	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5	822.5
2.5°	805.1	806.2	806.2	807.4	807.4	810.9	815.6	820.2	816.7	821.4	822.5
5°	749.1	755.0	759.6	777.1	791.1	802.7	815.6	827.2	830.7	833.0	838.9
7.5°	617.5	633.8	664.1	703.7	748.0	791.1	820.2	850.5	855.2	861.0	869.1
10°	525.5	532.4	553.4	594.2	673.4	758.5	829.5	877.3	897.1	908.8	916.9
12.5°	540.6	535.9	532.4	538.3	589.5	699.0	823.7	915.8	953.0	965.9	976.3
15°	576.7	572.1	559.2	542.9	548.8	636.1	803.9	951.9	1011.3	1032.3	1054.4
17.5°	597.7	593.0	582.5	565.1	549.9	583.7	766.6	984.5	1103.3	1129.0	1160.4
20°	609.3	604.7	594.2	576.7	559.2	563.9	718.9	1025.3	1208.2	1249.0	1295.6
22.5°	611.7	605.8	594.2	576.7	566.2	562.7	673.4	1049.7	1321.2	1384.1	1437.7
25°	610.5	600.0	584.9	572.1	566.2	565.1	642.0	1063.7	1443.5	1543.7	1604.3
27.5°	602.3	589.5	574.4	565.1	562.7	569.7	628.0	1080.0	1586.8	1715.0	1811.7
30°	593.0	574.4	555.7	552.2	558.1	580.2	639.6	1085.9	1737.1	1901.4	2000.4
32.5°	568.6	554.6	535.9	534.8	548.8	588.4	666.4	1077.7	1870.0	2087.8	2212.5
35°	533.6	525.5	515.0	518.5	540.6	595.4	685.1	1052.1	1991.1	2261.4	2407.1
37.5°	471.9	477.7	483.5	491.7	519.6	594.2	693.2	1011.3	2091.3	2400.1	2586.5
40°	403.1	422.9	441.6	462.5	499.8	584.9	695.6	961.2	2149.6	2504.9	2746.1
42.5°	360.0	378.7	402.0	432.2	473.0	563.9	693.2	905.3	2168.2	2577.2	2847.5
45°	320.4	342.5	371.7	403.1	449.7	533.6	672.3	844.7	2177.5	2610.9	2890.6
47.5°	299.4	312.2	339.0	370.5	419.4	496.3	631.5	800.4	2163.6	2617.9	2943.0
50°	275.0	292.4	309.9	340.2	388.0	449.7	582.5	774.8	2186.9	2686.7	3025.7
52.5°	256.3	265.6	284.3	312.2	347.2	406.6	535.9	753.8	2250.9	2756.6	3111.9
55°	242.3	252.8	264.5	287.8	314.6	363.5	488.2	722.3	2325.5	2831.1	3198.1
57.5°	220.2	227.2	243.5	268.0	285.4	321.6	432.2	685.1	2319.7	2772.9	3049.0
60°	*200.4*	*207.4*	*224.9*	*249.3*	*259.8*	*284.3*	*377.5*	*637.3*	*2207.8*	*2583.0*	*2774.1*
62.5°	178.3	186.4	207.4	224.9	234.2	252.8	320.4	549.9	1974.8	2297.5	2452.5
65°	168.9	173.6	187.6	208.5	207.4	224.9	270.3	432.2	1589.2	1755.8	1896.7
67.5°	179.4	186.4	184.1	189.9	186.4	195.7	242.3	347.2	1249.0	1322.4	1403.9
70°	177.1	193.4	201.6	189.9	163.1	173.6	209.7	277.3	893.6	886.6	883.1
72.5°	155.0	171.3	194.6	206.2	159.6	144.5	181.8	240.0	573.2	570.9	516.1
75°	131.7	143.3	171.3	186.4	137.5	116.5	156.1	203.9	342.5	347.2	309.9
77.5°	121.2	115.3	143.3	164.3	111.8	89.7	125.8	153.8	188.7	191.1	177.1
80°	87.4	83.9	107.2	120.0	85.1	64.1	71.1	95.5	101.4	90.9	94.4
82.5°	55.9	57.1	64.1	76.9	52.4	35.0	48.9	64.1	54.8	44.3	52.4
85°	36.1	40.8	33.8	39.6	16.3	16.3	21.0	28.0	18.6	12.8	14.0
87.5°	0.0	0.0	2.3	4.7	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: P1501422
CATALOG NUMBER: GSS-SB1B-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	822.5	822.5	*822.5*	822.5	822.5	822.5	822.5	822.5	822.5	822.5
2.5°	826.0	824.9	*824.9*	827.2	833.0	835.4	838.9	837.7	841.2	838.9
5°	842.4	843.5	*847.0*	848.2	851.7	856.3	857.5	856.3	858.7	858.7
7.5°	875.0	879.6	*877.3*	883.1	878.5	872.6	863.3	856.3	850.5	852.8
10°	929.7	927.4	*926.2*	915.8	894.8	864.5	840.0	813.2	808.6	803.9
12.5°	990.3	988.0	*988.0*	951.9	892.5	829.5	773.6	731.7	717.7	716.5
15°	1075.4	1060.2	*1046.2*	970.5	851.7	744.5	679.2	646.6	638.5	638.5
17.5°	1181.4	1141.8	*1118.5*	956.5	785.3	688.6	650.1	642.0	639.6	645.5
20°	1313.0	1212.8	*1179.1*	925.1	760.8	695.6	676.9	678.1	679.2	687.4
22.5°	1457.5	1278.1	*1222.2*	925.1	785.3	739.8	730.5	743.3	746.8	753.8
25°	1618.3	1336.3	*1260.6*	974.0	857.5	823.7	812.1	824.9	834.2	845.8
27.5°	1798.9	1396.9	*1327.0*	1062.6	950.7	929.7	916.9	922.7	935.6	949.5
30°	1960.8	1498.3	*1428.4*	1197.7	1077.7	1052.1	1029.9	1039.3	1053.2	1062.6
32.5°	2104.1	1621.8	*1562.4*	1339.8	1223.3	1179.1	1154.6	1152.3	1180.2	1173.2
35°	2235.8	1767.4	*1710.3*	1501.8	1371.3	1316.5	1283.9	1325.9	1307.2	1314.2
37.5°	2339.5	1918.9	*1873.4*	1656.7	1525.1	1450.5	1430.7	1482.0	1511.1	1519.3
40°	2424.5	2050.5	*2002.8*	1810.5	1666.1	1611.3	1642.8	1727.8	1724.3	1720.8
42.5°	2489.8	2163.6	*2111.1*	1927.0	1801.2	1811.7	1836.2	1893.3	1907.2	1887.4
45°	2518.9	2234.6	*2192.7*	2019.1	1955.0	2015.6	2026.1	2050.5	2041.2	2028.4
47.5°	2552.7	2297.5	*2253.3*	2103.0	2121.6	2181.0	2160.1	2140.3	2106.5	2086.7
50°	2609.8	2372.1	*2334.8*	2225.3	2292.9	2273.1	2191.5	2147.2	2078.5	2055.2
52.5°	2718.1	2513.1	*2485.1*	2418.7	2373.3	2259.1	2160.1	2080.8	2003.9	1972.5
55°	2814.8	2704.1	*2687.8*	2599.3	2348.8	2185.7	2052.9	1930.5	1798.9	1772.1
57.5°	2870.8	3021.1	*3039.7*	2676.2	2237.0	2019.1	1823.3	1627.6	1503.0	1480.8
60°	*2704.1*	*3363.6*	*3372.9*	*2661.0*	*2035.4*	*1718.5*	*1420.2*	*1281.6*	*1147.6*	*1109.2*
62.5°	2474.6	3292.5	*3284.4*	2570.2	1620.6	1253.6	1078.9	1013.6	909.9	878.5
65°	2127.4	2742.6	*2751.9*	2220.6	1077.7	906.4	906.4	823.7	708.4	686.2
67.5°	1733.6	2114.6	*2093.6*	1440.0	661.8	725.8	760.8	642.0	480.0	453.2
70°	1126.6	1614.8	*1585.7*	830.7	415.9	604.7	598.9	482.3	343.7	325.1
72.5°	484.7	933.2	*992.6*	424.1	313.4	487.0	477.7	337.9	229.5	221.4
75°	292.4	469.5	*511.5*	270.3	228.4	367.0	330.9	214.4	156.1	150.3
77.5°	185.2	257.5	*255.2*	202.7	171.3	248.2	222.5	148.0	106.0	101.4
80°	107.2	127.0	*131.7*	127.0	115.3	177.1	142.1	107.2	82.7	76.9
82.5°	68.7	79.2	*80.4*	61.7	64.1	114.2	76.9	62.9	47.8	43.1
85°	30.3	33.8	*32.6*	21.0	21.0	46.6	26.8	25.6	18.6	18.6
87.5°	1.2	2.3	*1.2*	1.2	1.2	4.7	2.3	3.5	3.5	3.5
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

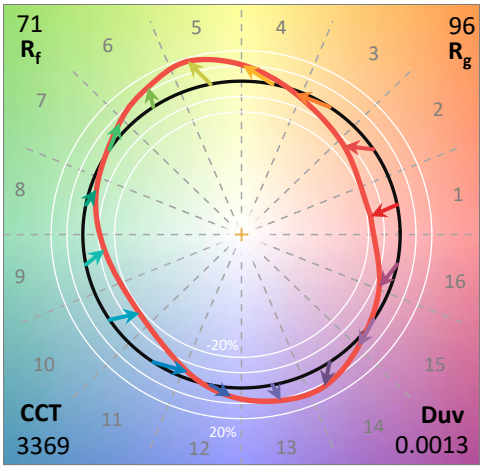
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

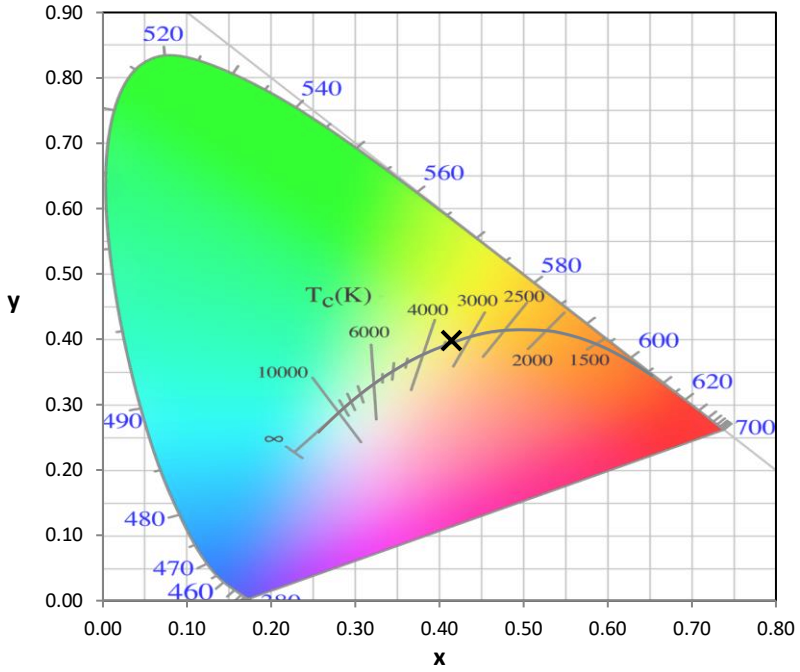
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

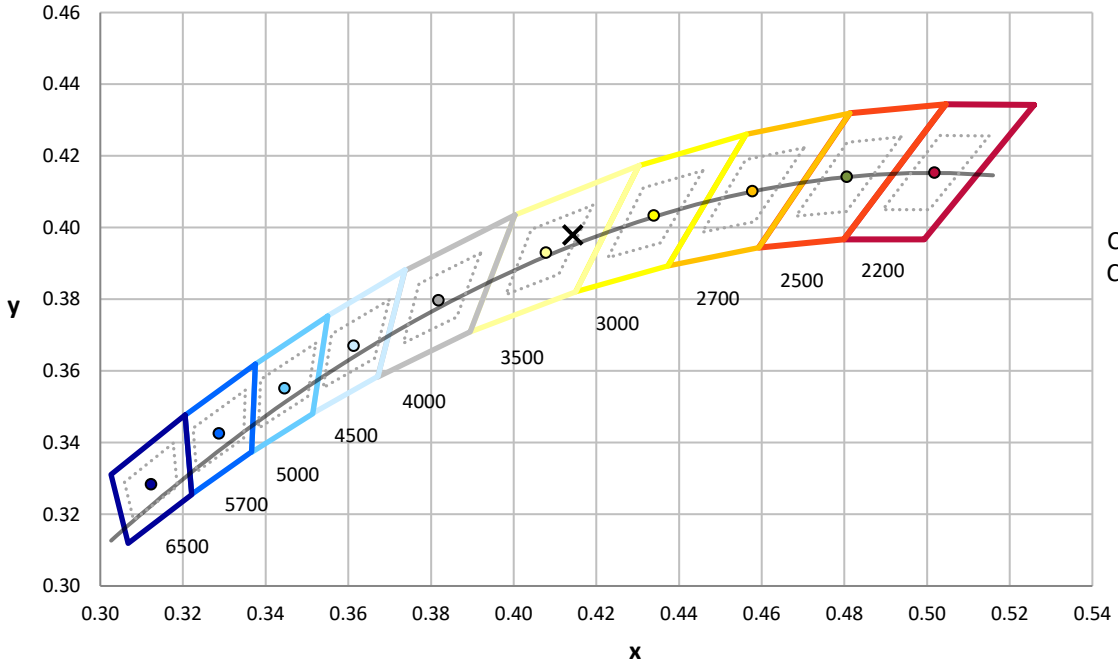
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

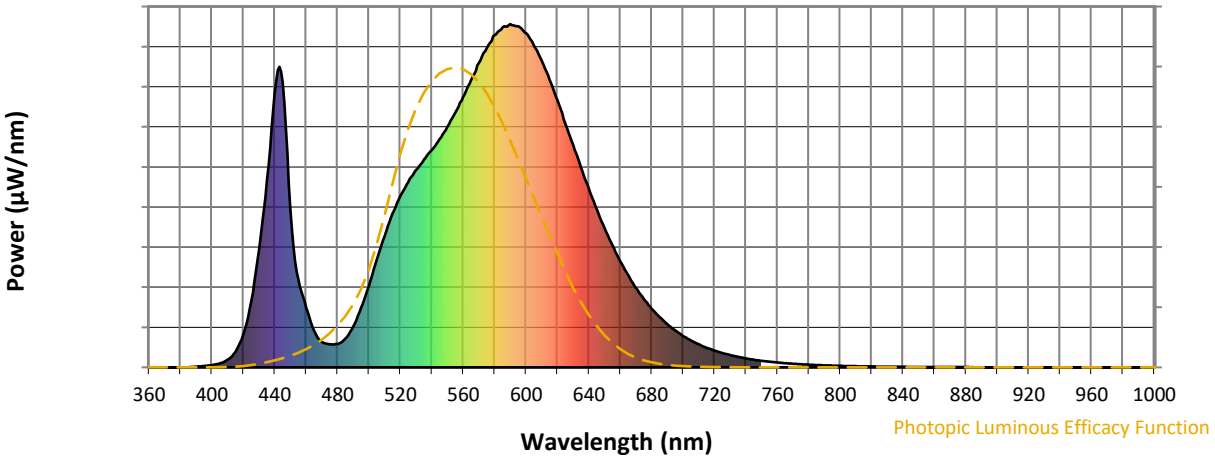


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

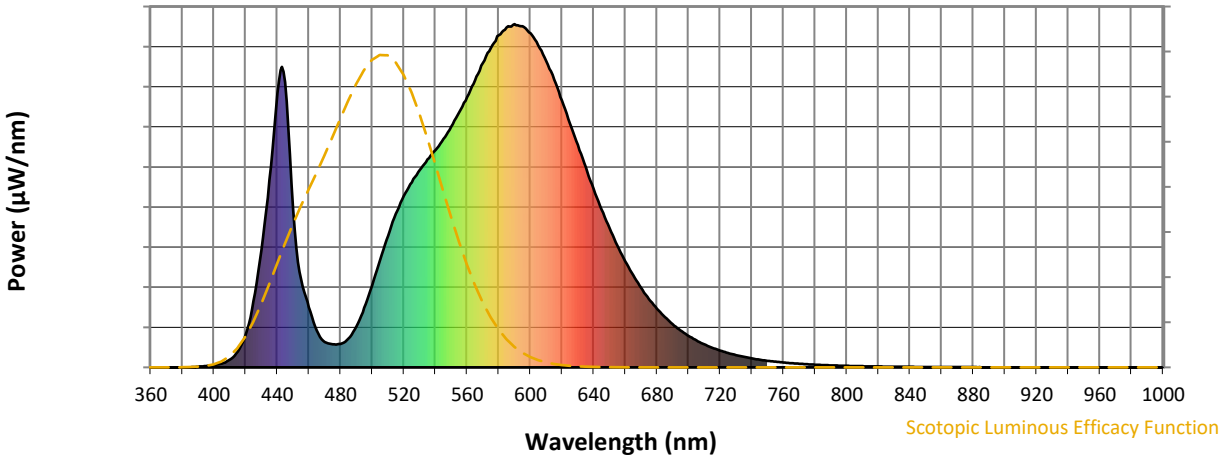


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

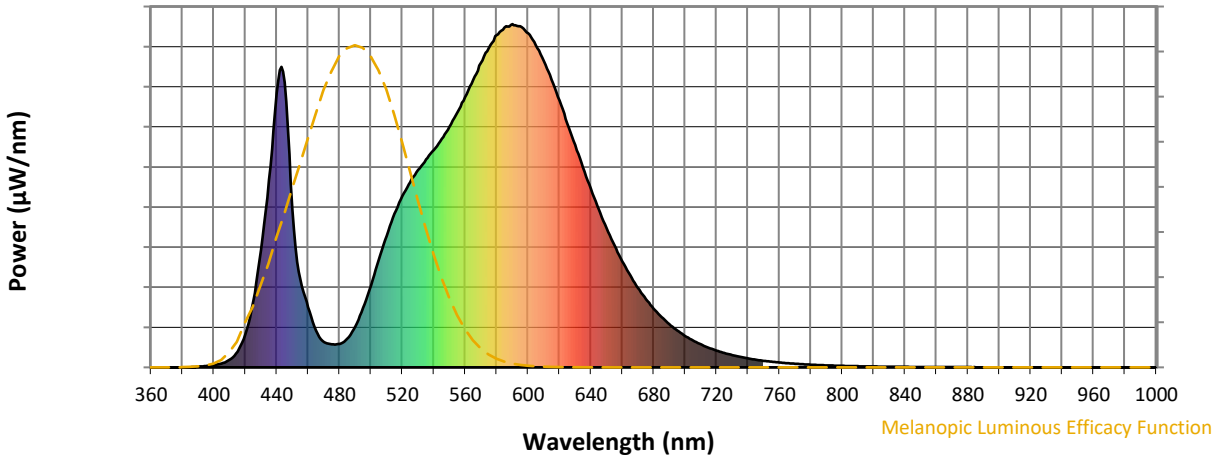


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

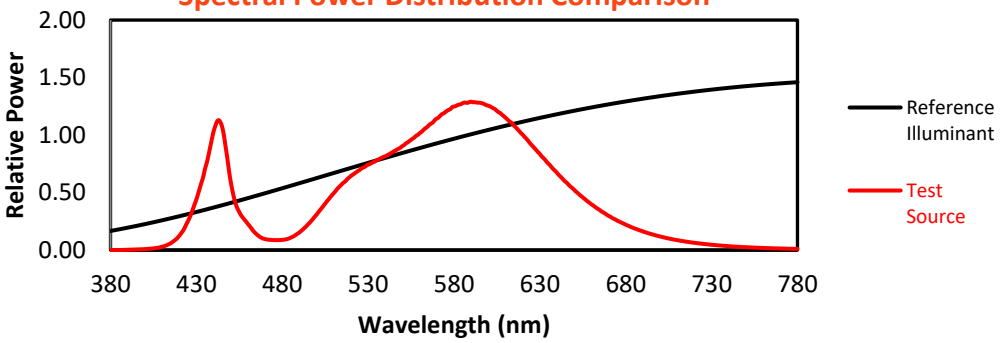
REPORT NUMBER: SP1-2407-184-5

TM-30-18

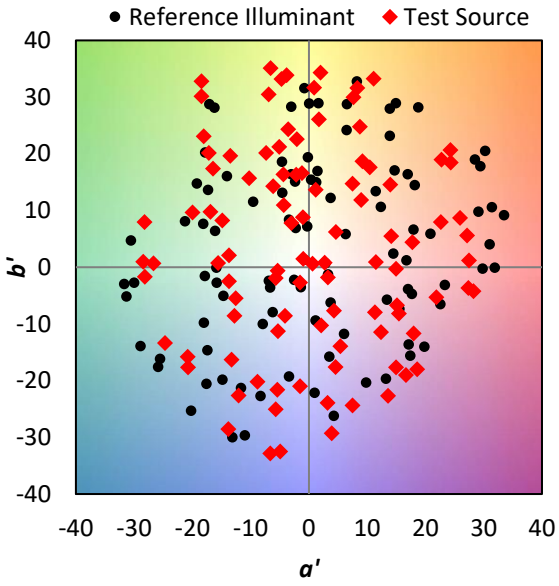
Summary

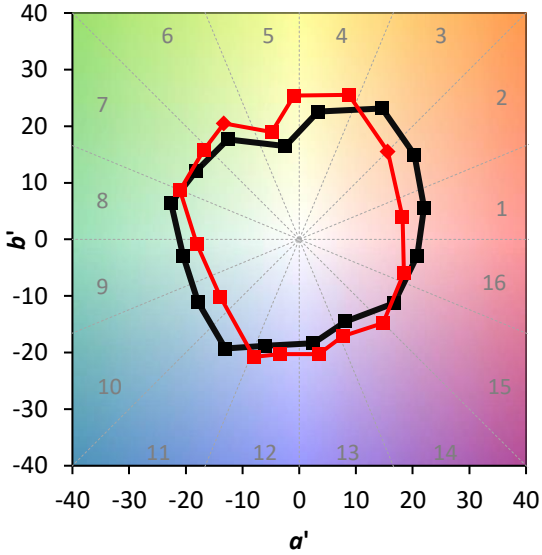
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

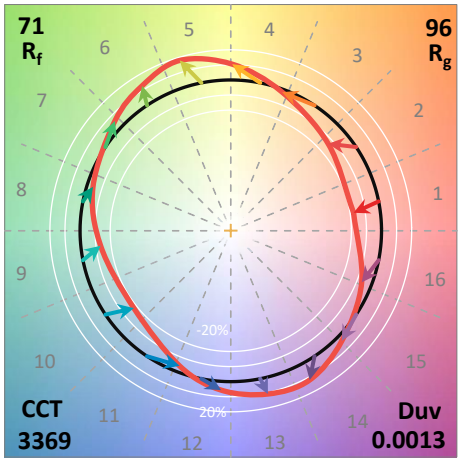
Spectral Power Distribution Comparison

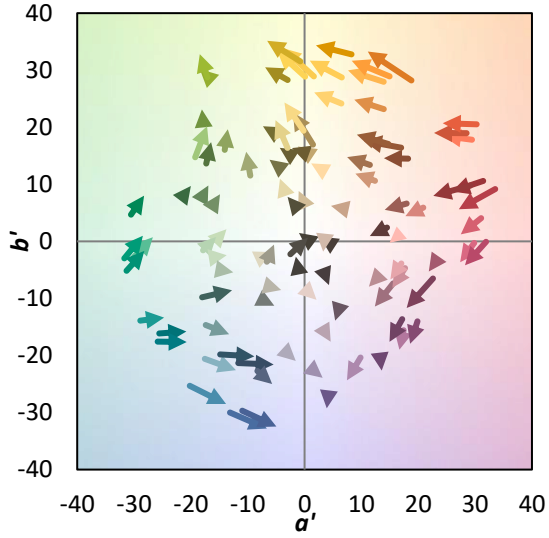


Color Vector Graphics







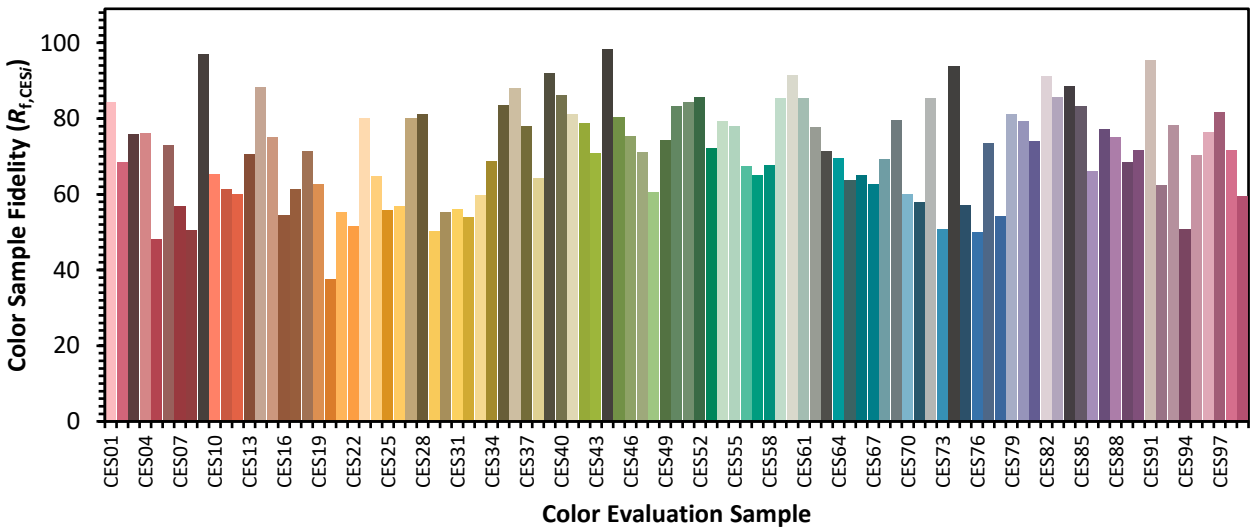


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

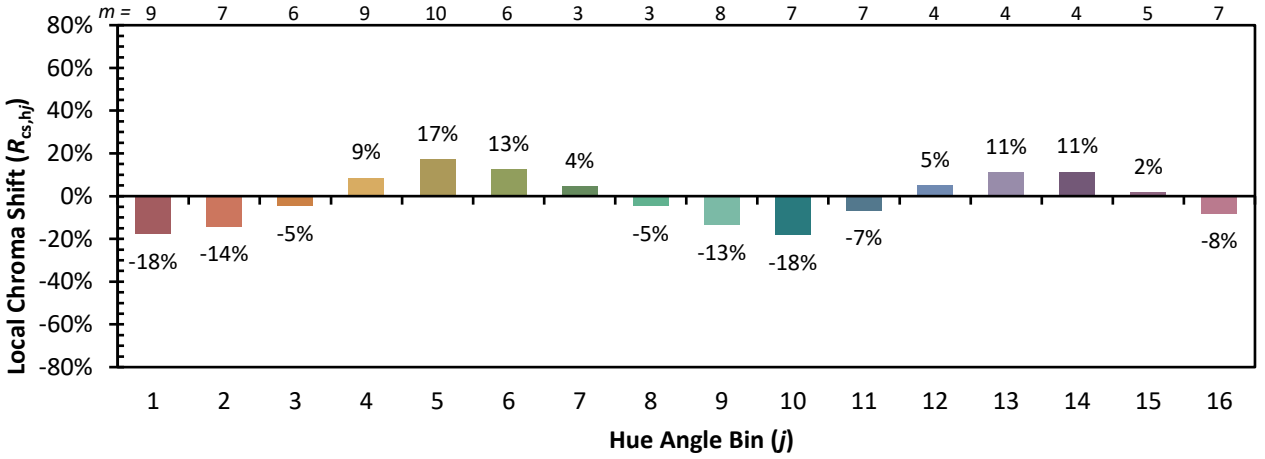
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CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

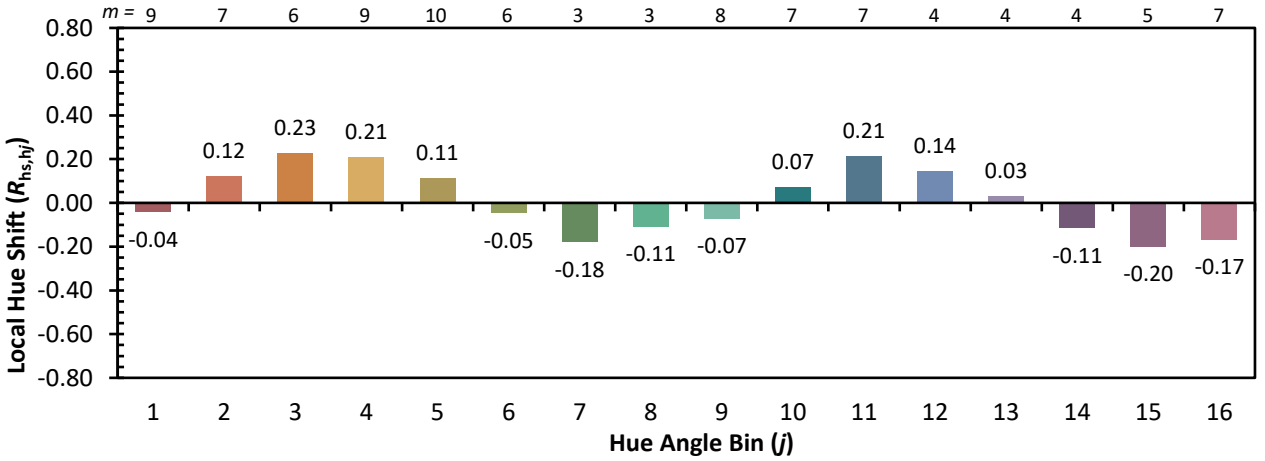


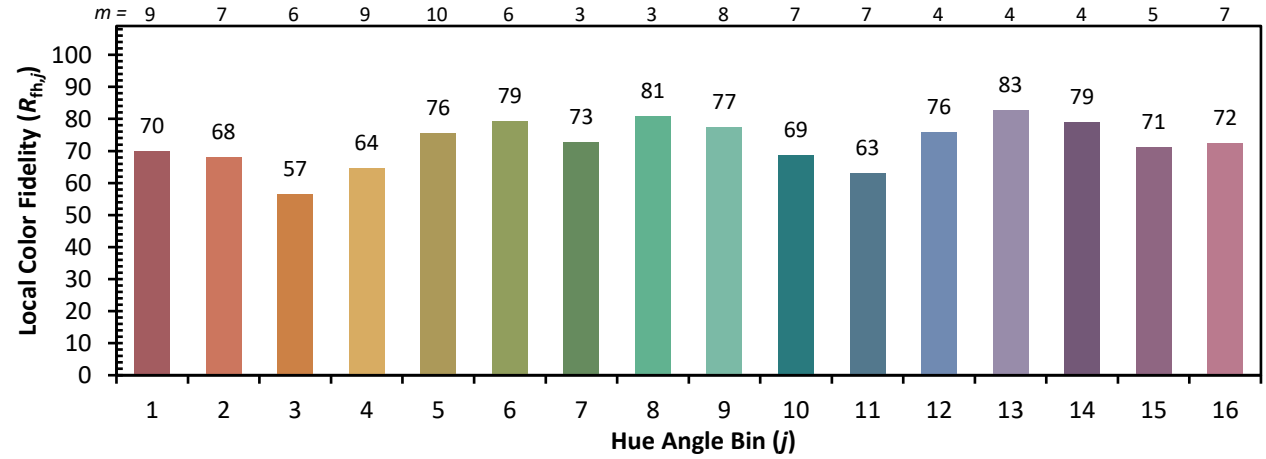
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Color Rendition by Hue-Angle Bin



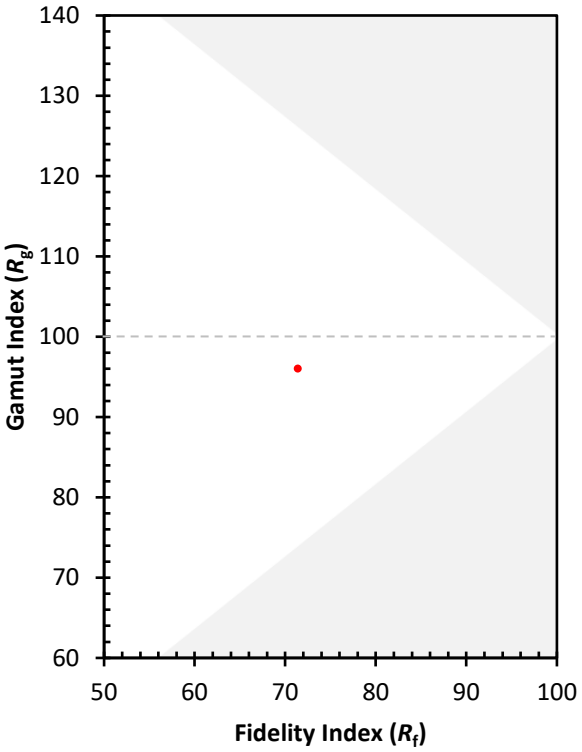


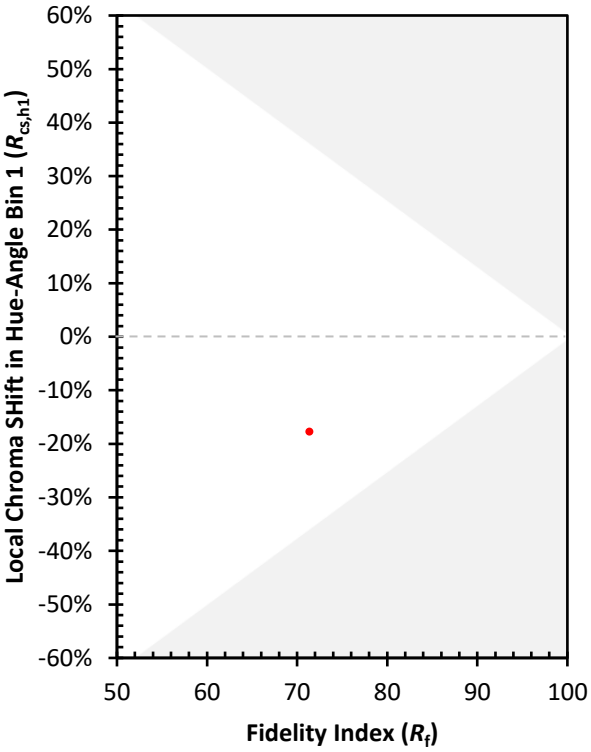


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Measure Comparisons





(END OF REPORT)