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: P1501401

Luminaire Tested: GSS-SB2A-730-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501401
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8285.3 lumens
Efficiency:	N/A
Efficacy:	142.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

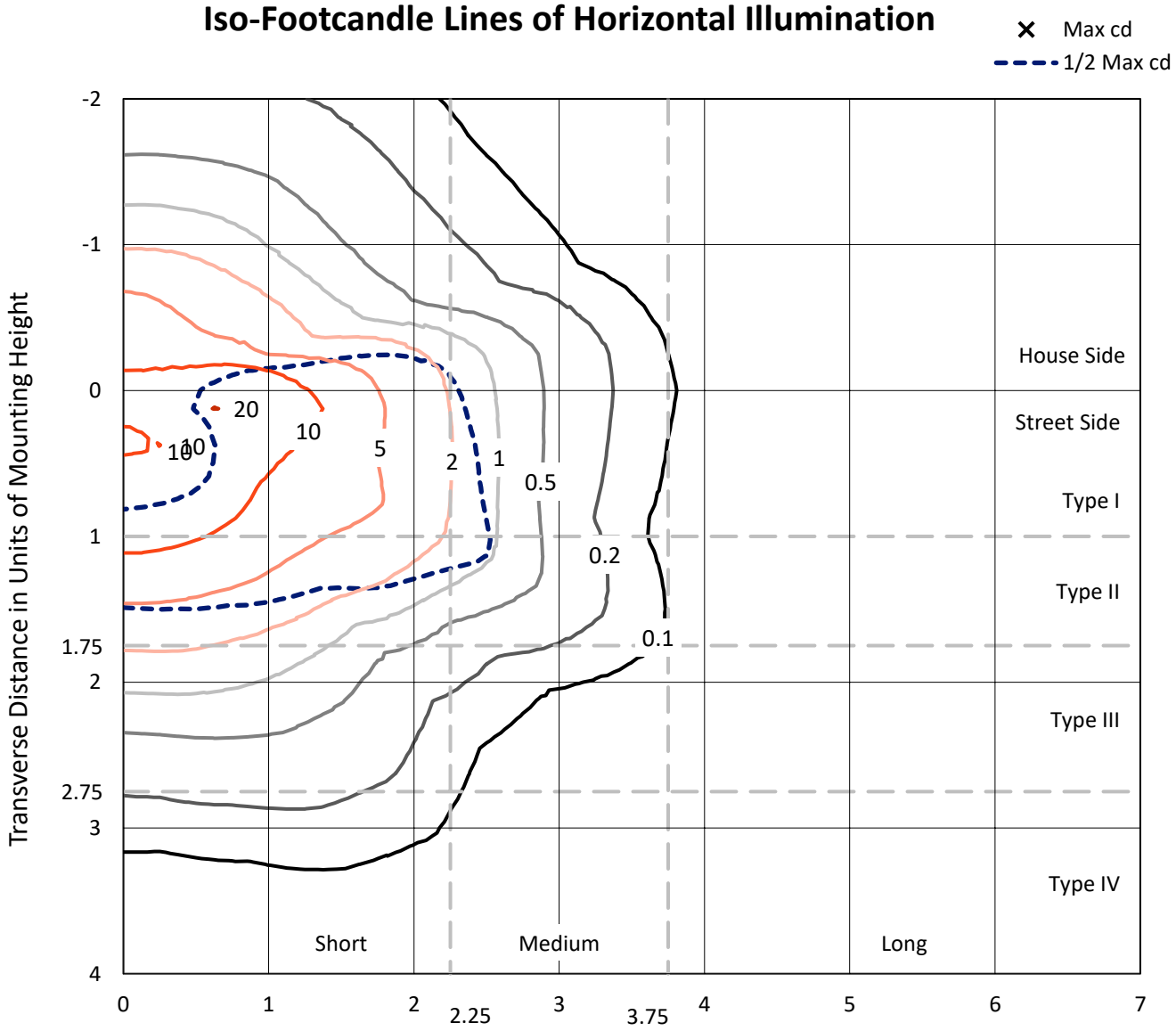
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



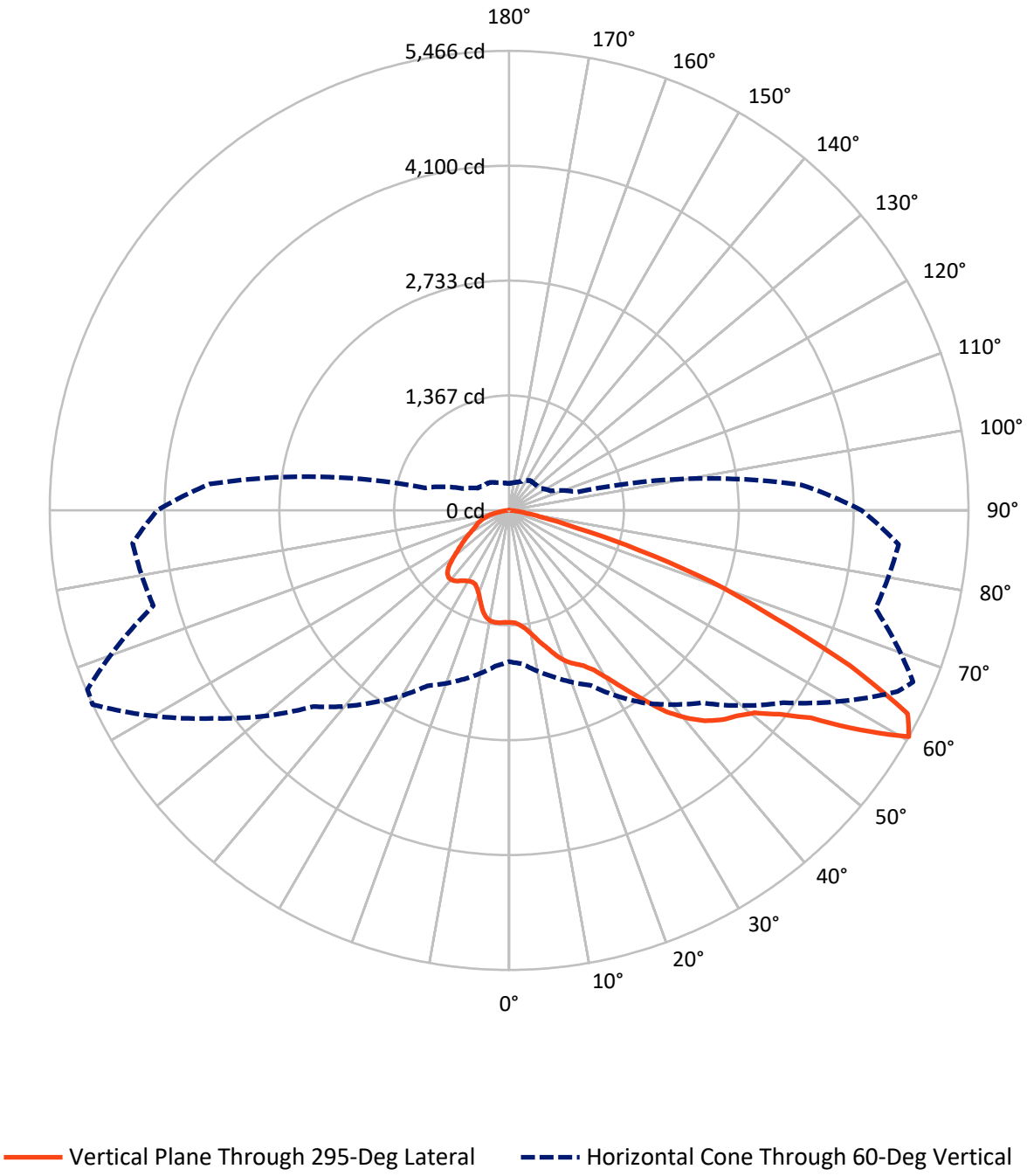
Based on 10 foot mounting height. Maximum calculated value = 20.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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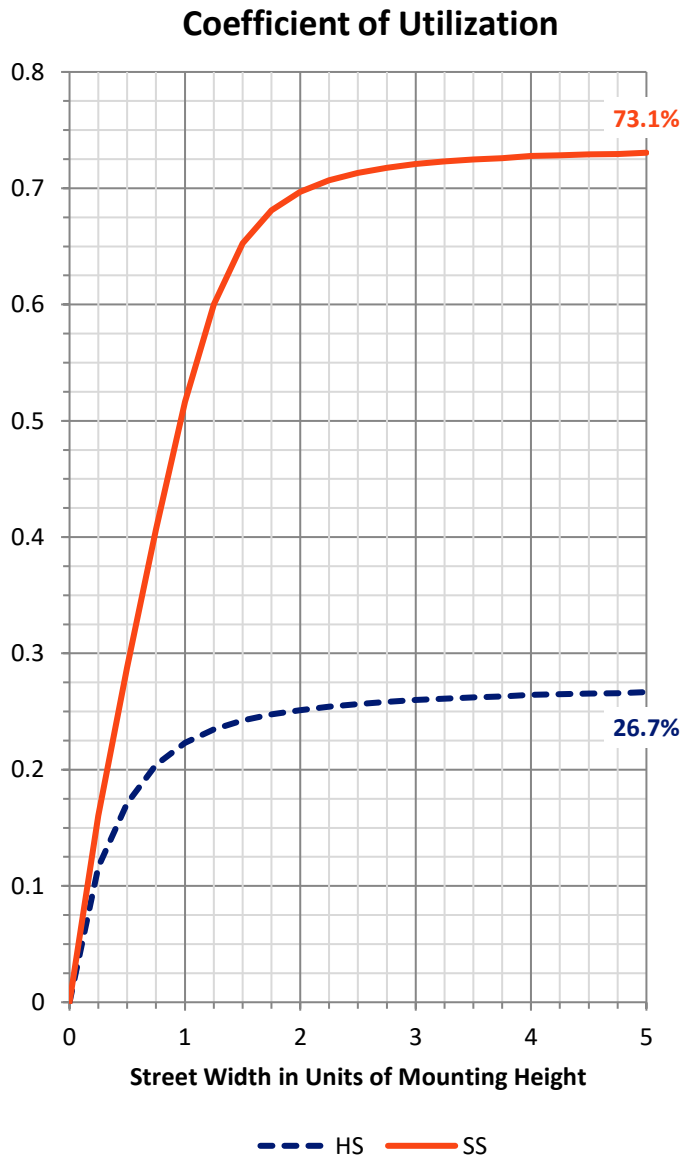
REPORT NUMBER: P1501401
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2228.0	0.0	2228.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6057.3	0.0	6057.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	8285.3	0.0	8285.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	1.5
10°-20°	360.3	4.3
20°-30°	682.5	8.2
30°-40°	1203.2	14.5
40°-50°	1779.4	21.5
50°-60°	2089.5	25.2
60°-70°	1513.9	18.3
70°-80°	466.9	5.6
80°-90°	64.3	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°	8285.3	100.0
0°-180°	8285.3	100.0



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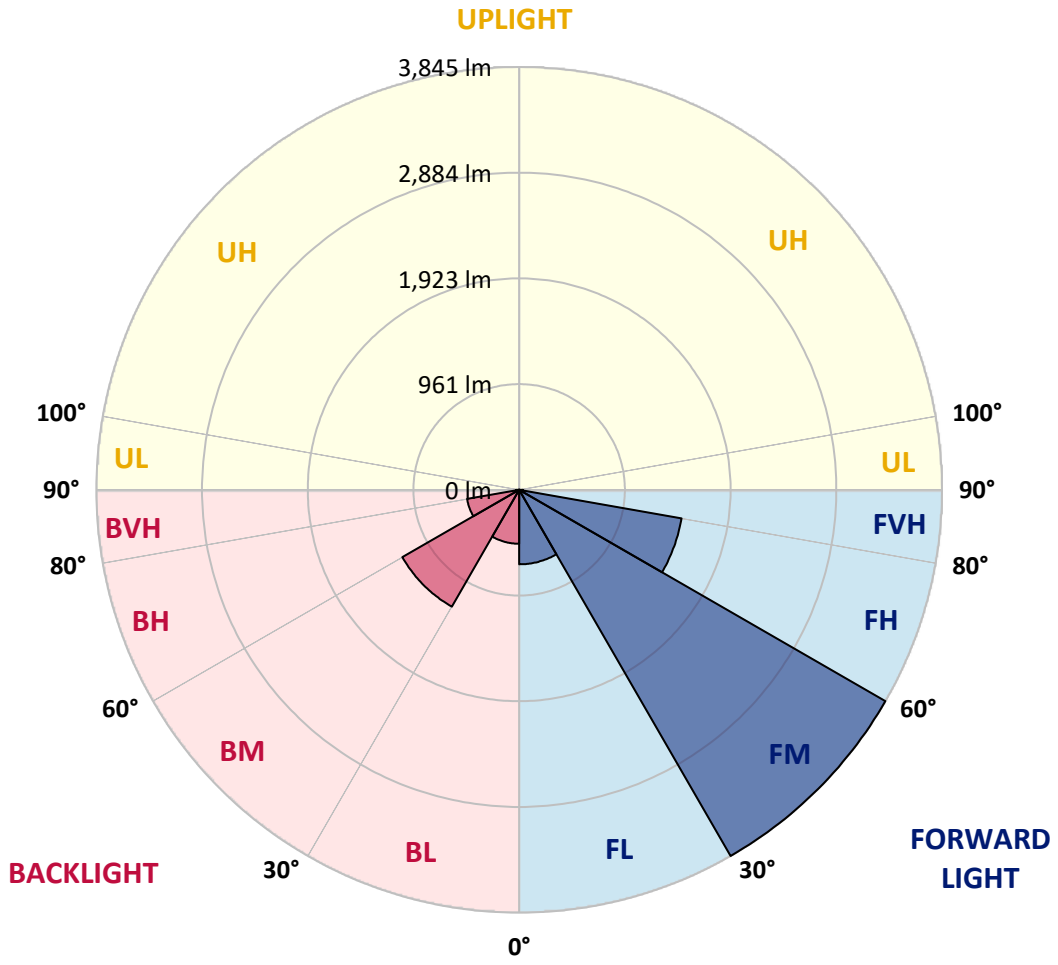
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	677.5	8.2			
FM	(30°-60°)	3845.3	46.4			
FH	(60°-80°)	1499.9	18.1			G1/1800
FVH	(80°-90°)	34.7	0.4			G1/100
BL	(0°-30°)	490.7	5.9	B1/500		
BM	(30°-60°)	1226.8	14.8	B2/2500		
BH	(60°-80°)	480.9	5.8	B1/500		G1/500
BVH	(80°-90°)	29.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1
2.5°	1359.5	1363.3	1357.6	1361.4	1361.4	1355.7	1353.8	1346.3	1350.1	1348.2	1346.3
5°	1391.6	1393.5	1389.7	1395.4	1395.4	1397.3	1395.4	1385.9	1385.9	1385.9	1382.2
7.5°	1382.2	1382.2	1384.0	1402.9	1421.8	1446.4	1446.4	1442.6	1446.4	1444.5	1427.5
10°	1302.9	1310.4	1327.4	1374.6	1419.9	1472.8	1508.7	1520.0	1520.0	1521.9	1493.6
12.5°	1161.2	1166.9	1206.6	1278.3	1372.7	1469.0	1555.9	1612.5	1618.2	1627.6	1589.9
15°	1034.7	1038.5	1066.8	1140.5	1248.1	1418.0	1582.3	1699.4	1718.3	1757.9	1701.3
17.5°	1046.1	1044.2	1051.7	1080.0	1157.5	1335.0	1576.6	1801.3	1835.3	1905.2	1856.1
20°	1114.0	1114.0	1119.7	1125.4	1153.7	1274.5	1535.1	1884.4	1950.5	2086.5	2029.8
22.5°	1221.7	1221.7	1219.8	1229.2	1229.2	1301.0	1537.0	1946.7	2044.9	2288.5	2233.7
25°	1370.8	1363.3	1363.3	1367.1	1350.1	1401.0	1584.2	2010.9	2139.3	2528.3	2481.1
27.5°	1538.9	1544.5	1540.8	1527.5	1504.9	1544.5	1697.5	2111.0	2245.1	2781.3	2762.4
30°	1722.0	1723.9	1727.7	1720.1	1701.3	1729.6	1875.0	2262.1	2384.8	3045.7	3087.2
32.5°	1901.4	1927.8	1918.4	1899.5	1907.1	1958.1	2094.0	2466.0	2592.5	3291.1	3438.4
35°	2129.9	2139.3	2177.1	2107.2	2109.1	2196.0	2373.5	2734.1	2856.8	3546.0	3789.6
37.5°	2462.2	2479.2	2462.2	2352.7	2335.7	2456.5	2645.4	2998.5	3087.2	3738.6	4116.3
40°	2788.9	2809.6	2838.0	2709.6	2601.9	2702.0	2902.2	3200.5	3293.0	3844.4	4333.4
42.5°	3058.9	3092.9	3062.7	3024.9	2926.7	2945.6	3081.5	3357.2	3449.7	3978.4	4552.4
45°	3287.3	3293.0	3306.2	3279.8	3230.7	3213.7	3234.5	3495.0	3597.0	4038.8	4660.1
47.5°	3381.8	3406.3	3417.6	3463.0	3513.9	3479.9	3364.8	3559.2	3651.8	4035.1	4694.1
50°	3330.8	3355.3	3415.7	3523.4	3646.1	3706.5	3517.7	3648.0	3751.8	4103.0	4763.9
52.5°	3196.7	3223.1	3321.3	3444.1	3649.9	3787.7	3733.0	3833.0	3933.1	4223.9	4881.0
55°	2871.9	2911.6	3049.4	3253.4	3536.6	3744.3	3959.5	4104.9	4214.5	4369.3	5001.8
57.5°	2399.9	2441.4	2596.3	2902.2	3327.0	3564.9	4025.6	4614.7	4663.8	4543.0	5013.2
60°	*1797.6*	*1831.5*	*2050.6*	*2296.0*	*2794.5*	*3236.4*	*3987.9*	*5098.1*	*5222.7*	*4512.8*	*4652.5*
62.5°	1423.7	1465.2	1659.7	1773.0	2129.9	2673.7	3855.7	5232.2	5339.8	4263.5	4150.3
65°	1112.1	1140.5	1321.7	1484.1	1571.0	1825.9	3304.3	4577.0	4673.3	3857.6	3425.2
67.5°	734.5	777.9	993.2	1216.0	1261.3	1161.2	2273.4	3521.5	3566.8	3066.4	2575.5
70°	526.8	547.6	708.1	946.0	1014.0	777.9	1238.7	2666.1	2679.3	2058.1	1735.3
72.5°	358.8	362.5	481.5	725.1	808.1	564.6	681.6	1756.0	1710.7	1015.8	993.2
75°	243.6	247.4	307.8	483.4	572.1	392.7	443.7	957.3	919.6	560.8	602.3
77.5°	164.3	168.0	211.5	324.8	381.4	271.9	324.8	506.0	496.6	372.0	322.9
80°	124.6	130.3	156.7	207.7	266.2	158.6	185.0	239.8	243.6	198.3	164.3
82.5°	69.9	77.4	94.4	105.7	171.8	88.7	88.7	143.5	137.8	122.7	88.7
85°	30.2	32.1	37.8	39.7	69.9	37.8	32.1	62.3	64.2	60.4	28.3
87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6	7.6
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°	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1
2.5°	1336.8	1348.2	1336.8	1331.2	1331.2	1321.7	1318.0	1318.0	1304.7	1310.4	1306.6
5°	1367.1	1370.8	1357.6	1340.6	1318.0	1299.1	1272.6	1238.7	1217.9	1216.0	1217.9
7.5°	1414.3	1416.1	1380.3	1342.5	1285.9	1217.9	1136.7	1070.6	1012.1	1002.6	1014.0
10°	1480.3	1476.6	1423.7	1335.0	1216.0	1072.5	947.9	887.5	853.5	851.6	849.7
12.5°	1569.1	1544.5	1463.4	1302.9	1095.2	929.0	864.8	861.0	870.5	878.0	879.9
15°	1671.1	1639.0	1495.5	1240.5	972.4	876.1	879.9	912.0	923.3	930.9	930.9
17.5°	1797.6	1756.0	1531.3	1151.8	910.1	887.5	913.9	944.1	963.0	970.5	968.6
20°	1965.6	1878.8	1559.6	1066.8	893.1	906.3	929.0	959.2	978.1	987.5	987.5
22.5°	2133.7	2026.0	1565.3	1008.3	893.1	908.2	929.0	959.2	980.0	989.4	987.5
25°	2362.1	2214.9	1567.2	966.8	895.0	898.8	917.7	944.1	974.3	983.7	987.5
27.5°	2605.7	2422.6	1576.6	957.3	887.5	885.6	898.8	923.3	953.5	978.1	980.0
30°	2907.8	2656.7	1580.4	966.8	889.3	864.8	874.2	898.8	930.9	955.4	963.0
32.5°	3204.3	2873.8	1572.9	987.5	893.1	851.6	853.5	868.6	902.6	919.6	932.8
35°	3517.7	3104.2	1559.6	1015.8	895.0	845.9	828.9	836.5	859.1	861.0	866.7
37.5°	3763.2	3276.0	1520.0	1053.6	898.8	825.1	791.2	785.5	776.0	757.2	760.9
40°	3965.2	3391.2	1453.9	1072.5	889.3	800.6	743.9	717.5	681.6	653.3	659.0
42.5°	4110.6	3468.6	1374.6	1076.3	874.2	759.1	689.2	643.9	604.2	574.0	575.9
45°	4174.8	3461.1	1289.6	1047.9	838.4	708.1	638.2	594.8	551.4	519.3	515.5
47.5°	4176.7	3387.4	1172.6	980.0	777.9	649.5	591.0	543.8	507.9	485.3	483.4
50°	4191.8	3345.9	1063.1	881.8	698.6	587.2	549.5	502.3	481.5	449.4	439.9
52.5°	4286.2	3413.9	987.5	774.2	625.0	541.9	513.6	472.0	438.1	417.3	415.4
55°	4439.1	3530.9	946.0	693.0	555.1	498.5	479.6	443.7	413.5	392.7	387.1
57.5°	4458.0	3591.3	896.9	617.4	498.5	464.5	456.9	417.3	373.9	358.8	353.1
60°	*4193.7*	*3489.4*	*836.5*	*547.6*	*456.9*	*438.1*	*434.3*	*381.4*	*345.5*	*326.7*	*319.1*
62.5°	3833.0	3234.5	743.9	483.4	424.8	411.6	396.5	355.0	309.7	288.9	283.2
65°	3132.5	2719.0	632.5	439.9	392.7	377.6	373.9	317.2	287.0	275.7	273.8
67.5°	2373.5	2184.6	557.0	407.9	358.8	353.1	339.9	321.0	307.8	294.6	290.8
70°	1678.6	1576.6	473.9	366.3	324.8	315.3	370.1	349.3	302.1	285.1	283.2
72.5°	1017.7	989.4	409.7	328.5	279.5	294.6	341.8	315.3	271.9	251.1	243.6
75°	642.0	587.2	343.7	279.5	222.8	239.8	298.3	281.3	234.1	213.4	207.7
77.5°	349.3	324.8	258.7	228.5	175.6	194.5	260.6	232.2	186.9	203.9	181.3
80°	152.9	169.9	171.8	132.2	117.1	143.5	186.9	181.3	143.5	145.4	120.8
82.5°	73.6	96.3	111.4	90.6	66.1	85.0	124.6	103.9	96.3	90.6	86.9
85°	22.7	35.9	49.1	43.4	30.2	35.9	58.5	56.6	68.0	58.5	54.8
87.5°	7.6	7.6	5.7	5.7	5.7	7.6	9.4	5.7	1.9	1.9	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°	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1
2.5°	1304.7	1306.6	1306.6	1308.5	1308.5	1314.2	1321.7	1329.3	1323.6	1331.2	1333.1
5°	1214.1	1223.6	1231.1	1259.4	1282.1	1301.0	1321.7	1340.6	1346.3	1350.1	1359.5
7.5°	1000.7	1027.2	1076.3	1140.5	1212.2	1282.1	1329.3	1378.4	1385.9	1395.4	1408.6
10°	851.6	862.9	896.9	963.0	1091.4	1229.2	1344.4	1421.8	1453.9	1472.8	1486.0
12.5°	876.1	868.6	862.9	872.3	955.4	1132.9	1335.0	1484.1	1544.5	1565.3	1582.3
15°	934.7	927.1	906.3	879.9	889.3	1031.0	1302.9	1542.7	1639.0	1672.9	1708.8
17.5°	968.6	961.1	944.1	915.8	891.2	946.0	1242.4	1595.5	1788.1	1829.7	1880.6
20°	987.5	980.0	963.0	934.7	906.3	913.9	1165.0	1661.6	1958.1	2024.1	2099.7
22.5°	991.3	981.9	963.0	934.7	917.7	912.0	1091.4	1701.3	2141.2	2243.2	2330.0
25°	989.4	972.4	947.9	927.1	917.7	915.8	1040.4	1723.9	2339.5	2501.9	2600.0
27.5°	976.2	955.4	930.9	915.8	912.0	923.3	1017.7	1750.4	2571.7	2779.4	2936.1
30°	961.1	930.9	900.7	895.0	904.4	940.3	1036.6	1759.8	2815.3	3081.5	3242.0
32.5°	921.4	898.8	868.6	866.7	889.3	953.5	1080.0	1746.6	3030.6	3383.6	3585.7
35°	864.8	851.6	834.6	840.2	876.1	964.9	1110.3	1705.0	3226.9	3665.0	3901.0
37.5°	764.7	774.2	783.6	796.8	842.1	963.0	1123.5	1639.0	3389.3	3889.7	4191.8
40°	653.3	685.4	715.6	749.6	810.0	947.9	1127.3	1557.8	3483.7	4059.6	4450.5
42.5°	583.5	613.7	651.4	700.5	766.6	913.9	1123.5	1467.1	3513.9	4176.7	4614.7
45°	519.3	555.1	602.3	653.3	728.8	864.8	1089.5	1368.9	3529.0	4231.4	4684.6
47.5°	485.3	506.0	549.5	600.4	679.8	804.4	1023.4	1297.2	3506.4	4242.8	4769.6
50°	445.6	473.9	502.3	551.4	628.8	728.8	944.1	1255.6	3544.1	4354.2	4903.6
52.5°	415.4	430.5	460.7	506.0	562.7	659.0	868.6	1221.7	3648.0	4467.5	5043.4
55°	392.7	409.7	428.6	466.4	509.8	589.1	791.2	1170.7	3768.8	4588.3	5183.1
57.5°	356.9	368.2	394.6	434.3	462.6	521.1	700.5	1110.3	3759.4	4493.9	4941.4
60°	*324.8*	*336.1*	*364.4*	*404.1*	*421.1*	*460.7*	*611.8*	*1032.8*	*3578.1*	*4186.1*	*4495.8*
62.5°	288.9	302.1	336.1	364.4	379.5	409.7	519.3	891.2	3200.5	3723.5	3974.7
65°	273.8	281.3	304.0	338.0	336.1	364.4	438.1	700.5	2575.5	2845.5	3074.0
67.5°	290.8	302.1	298.3	307.8	302.1	317.2	392.7	562.7	2024.1	2143.1	2275.3
70°	287.0	313.4	326.7	307.8	264.3	281.3	339.9	449.4	1448.2	1436.9	1431.3
72.5°	251.1	277.6	315.3	334.2	258.7	234.1	294.6	389.0	929.0	925.2	836.5
75°	213.4	232.2	277.6	302.1	222.8	188.8	253.0	330.4	555.1	562.7	502.3
77.5°	196.4	186.9	232.2	266.2	181.3	145.4	203.9	249.2	305.9	309.7	287.0
80°	141.6	136.0	173.7	194.5	137.8	103.9	115.2	154.8	164.3	147.3	152.9
82.5°	90.6	92.5	103.9	124.6	85.0	56.6	79.3	103.9	88.7	71.8	85.0
85°	58.5	66.1	54.8	64.2	26.4	26.4	34.0	45.3	30.2	20.8	22.7
87.5°	0.0	0.0	3.8	7.6	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: P1501401
CATALOG NUMBER: GSS-SB2A-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1333.1	1333.1	*1333.1*	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1
2.5°	1338.7	1336.8	*1336.8*	1340.6	1350.1	1353.8	1359.5	1357.6	1363.3	1359.5
5°	1365.2	1367.1	*1372.7*	1374.6	1380.3	1387.8	1389.7	1387.8	1391.6	1391.6
7.5°	1418.0	1425.6	*1421.8*	1431.3	1423.7	1414.3	1399.2	1387.8	1378.4	1382.2
10°	1506.8	1503.0	*1501.1*	1484.1	1450.1	1401.0	1361.4	1318.0	1310.4	1302.9
12.5°	1605.0	1601.2	*1601.2*	1542.7	1446.4	1344.4	1253.8	1185.8	1163.1	1161.2
15°	1742.8	1718.3	*1695.6*	1572.9	1380.3	1206.6	1100.8	1047.9	1034.7	1034.7
17.5°	1914.6	1850.4	*1812.7*	1550.2	1272.6	1115.9	1053.6	1040.4	1036.6	1046.1
20°	2128.0	1965.6	*1910.9*	1499.2	1233.0	1127.3	1097.0	1098.9	1100.8	1114.0
22.5°	2362.1	2071.4	*1980.7*	1499.2	1272.6	1199.0	1183.9	1204.7	1210.3	1221.7
25°	2622.7	2165.8	*2043.0*	1578.5	1389.7	1335.0	1316.1	1336.8	1351.9	1370.8
27.5°	2915.4	2263.9	*2150.7*	1722.0	1540.8	1506.8	1486.0	1495.5	1516.2	1538.9
30°	3177.8	2428.2	*2314.9*	1941.1	1746.6	1705.0	1669.2	1684.3	1706.9	1722.0
32.5°	3410.1	2628.4	*2532.1*	2171.4	1982.6	1910.9	1871.2	1867.4	1912.7	1901.4
35°	3623.4	2864.4	*2771.9*	2433.9	2222.4	2133.7	2080.8	2148.8	2118.6	2129.9
37.5°	3791.5	3109.9	*3036.2*	2685.0	2471.6	2350.8	2318.7	2401.8	2449.0	2462.2
40°	3929.3	3323.2	*3245.8*	2934.3	2700.1	2611.4	2662.4	2800.2	2794.5	2788.9
42.5°	4035.1	3506.4	*3421.4*	3123.1	2919.1	2936.1	2975.8	3068.3	3091.0	3058.9
45°	4082.3	3621.6	*3553.6*	3272.2	3168.4	3266.6	3283.6	3323.2	3308.1	3287.3
47.5°	4137.0	3723.5	*3651.8*	3408.2	3438.4	3534.7	3500.7	3468.6	3413.9	3381.8
50°	4229.6	3844.4	*3783.9*	3606.5	3716.0	3683.9	3551.7	3479.9	3368.5	3330.8
52.5°	4405.2	4072.8	*4027.5*	3919.9	3846.3	3661.2	3500.7	3372.3	3247.7	3196.7
55°	4561.9	4382.5	*4356.1*	4212.6	3806.6	3542.3	3327.0	3128.7	2915.4	2871.9
57.5°	4652.5	4896.1	*4926.3*	4337.2	3625.3	3272.2	2955.0	2637.8	2435.8	2399.9
60°	*4382.5*	*5451.2*	*5466.3*	*4312.6*	*3298.7*	*2785.1*	*2301.7*	*2077.0*	*1859.9*	*1797.6*
62.5°	4010.5	5336.0	*5322.8*	4165.4	2626.5	2031.7	1748.5	1642.7	1474.7	1423.7
65°	3447.8	4444.8	*4459.9*	3598.9	1746.6	1469.0	1469.0	1335.0	1148.0	1112.1
67.5°	2809.6	3427.1	*3393.1*	2333.8	1072.5	1176.3	1233.0	1040.4	777.9	734.5
70°	1825.9	2617.0	*2569.8*	1346.3	674.1	980.0	970.5	781.7	557.0	526.8
72.5°	785.5	1512.4	*1608.7*	687.3	507.9	789.3	774.2	547.6	372.0	358.8
75°	473.9	760.9	*828.9*	438.1	370.1	594.8	536.2	347.4	253.0	243.6
77.5°	300.2	417.3	*413.5*	328.5	277.6	402.2	360.6	239.8	171.8	164.3
80°	173.7	205.8	*213.4*	205.8	186.9	287.0	230.4	173.7	134.1	124.6
82.5°	111.4	128.4	*130.3*	100.1	103.9	185.0	124.6	102.0	77.4	69.9
85°	49.1	54.8	*52.9*	34.0	34.0	75.5	43.4	41.5	30.2	30.2
87.5°	1.9	3.8	*1.9*	1.9	1.9	7.6	3.8	5.7	5.7	5.7
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

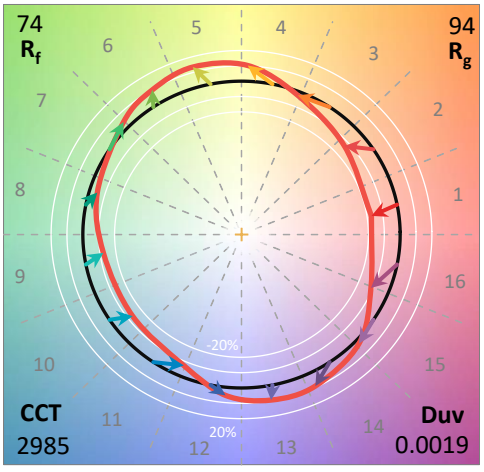
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

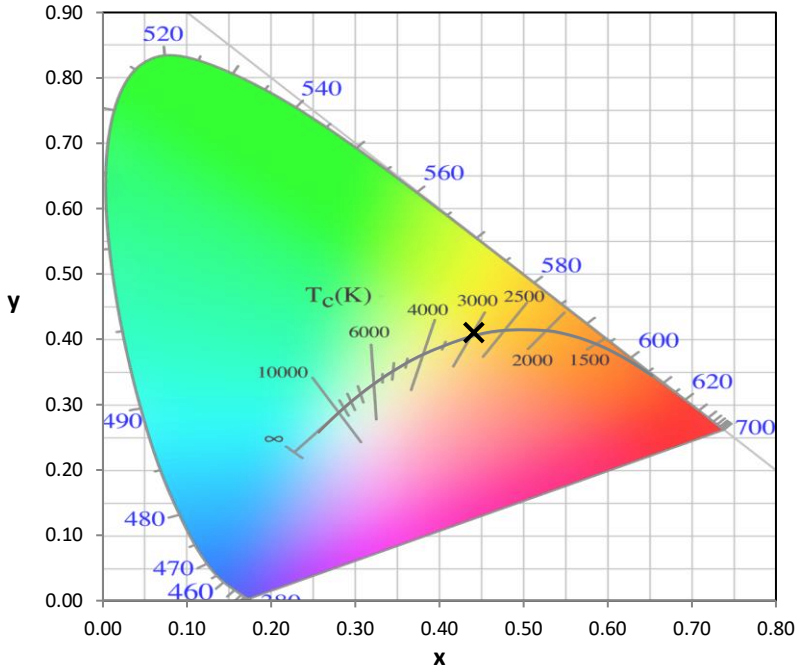
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

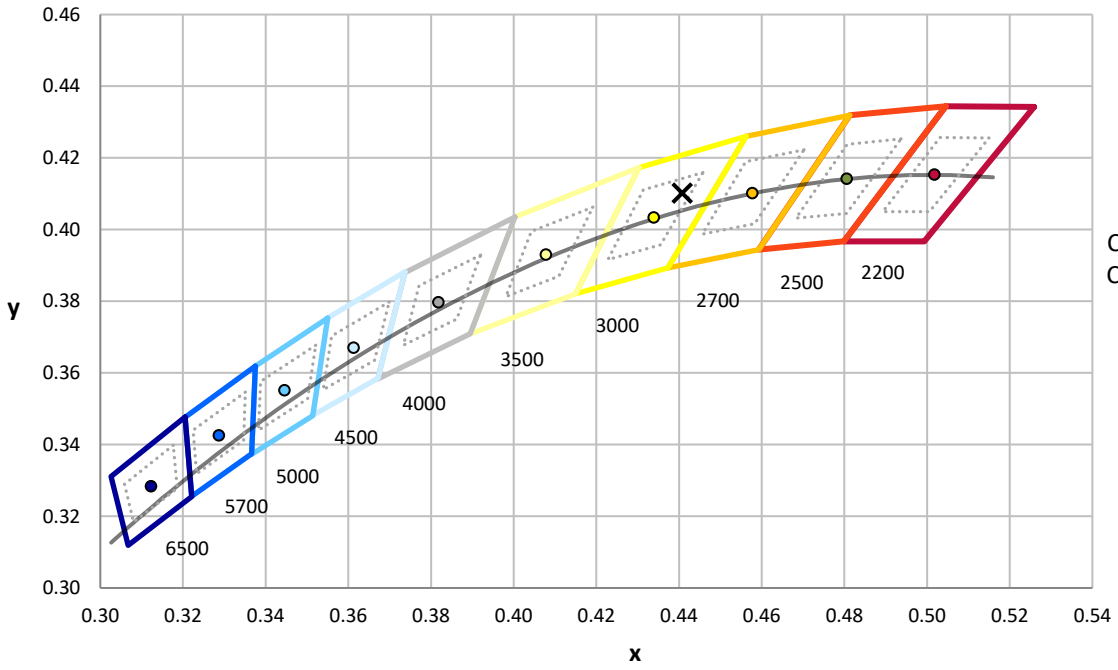
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

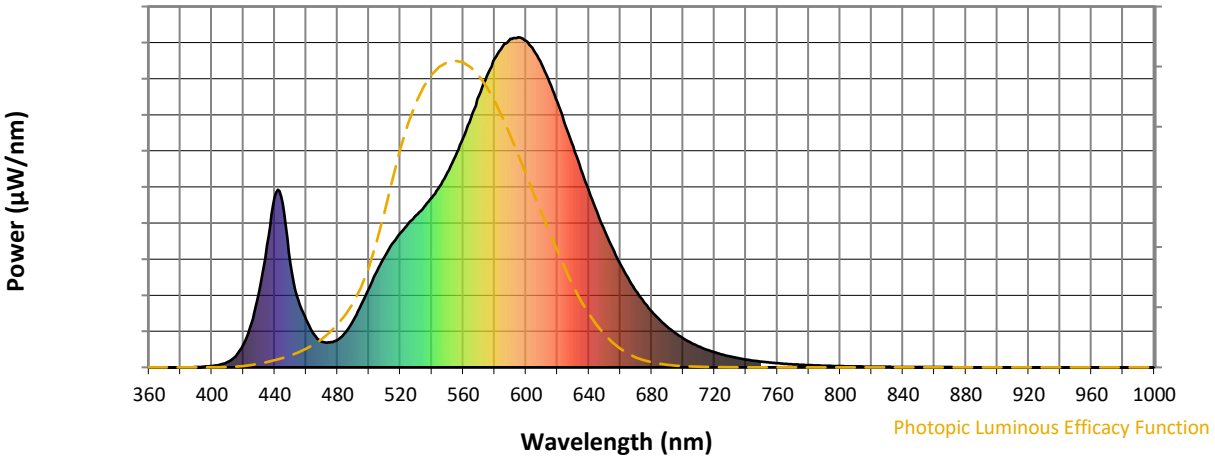


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

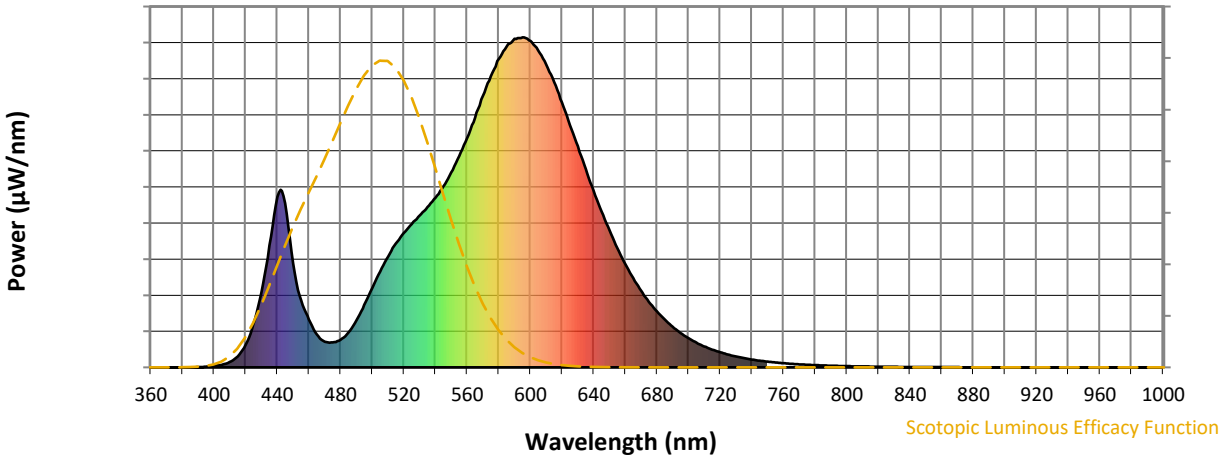


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

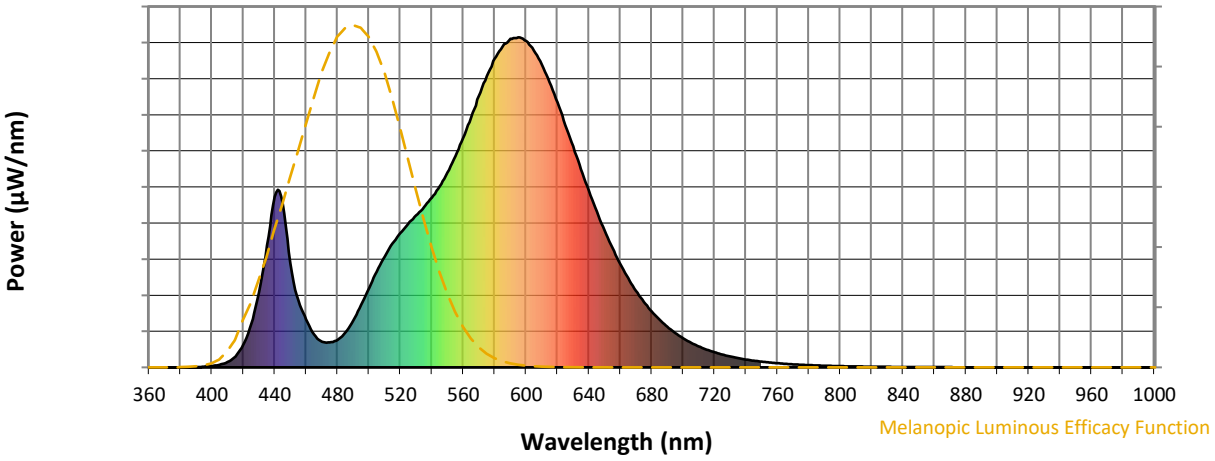


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

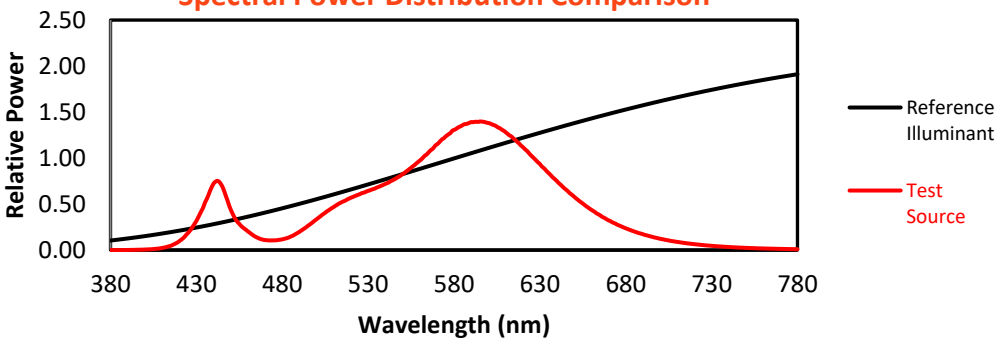
REPORT NUMBER: SP1-2407-184-4

TM-30-18

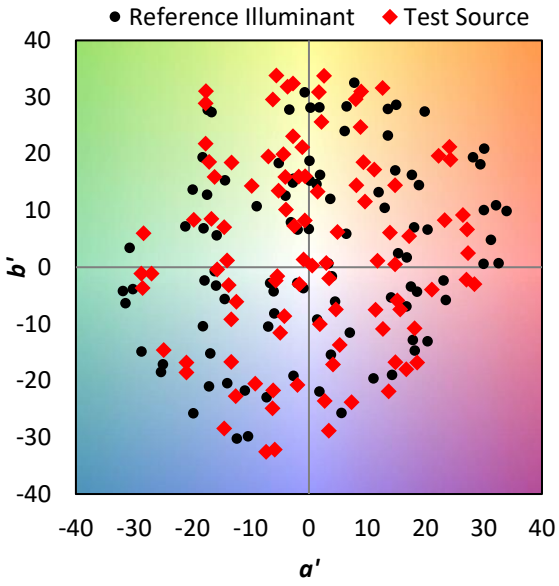
Summary

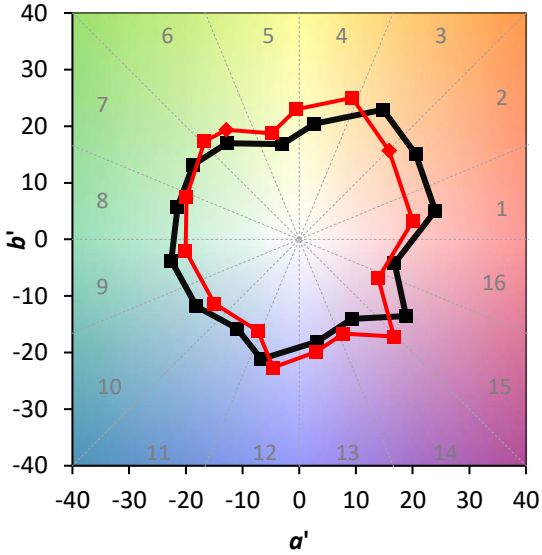
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

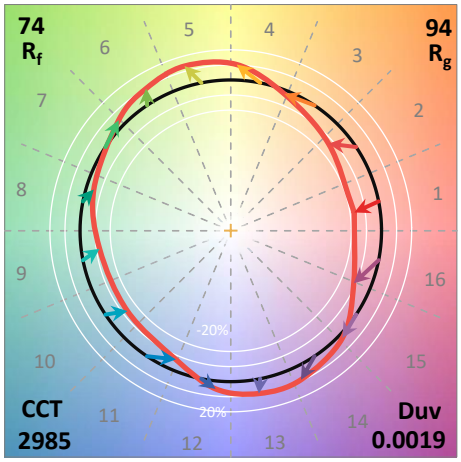
Spectral Power Distribution Comparison

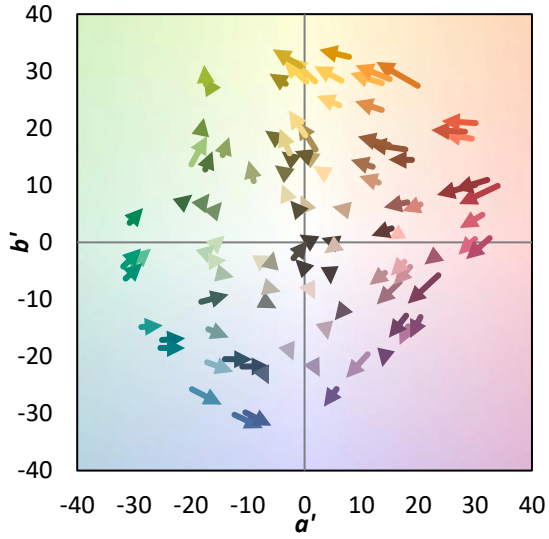


Color Vector Graphics







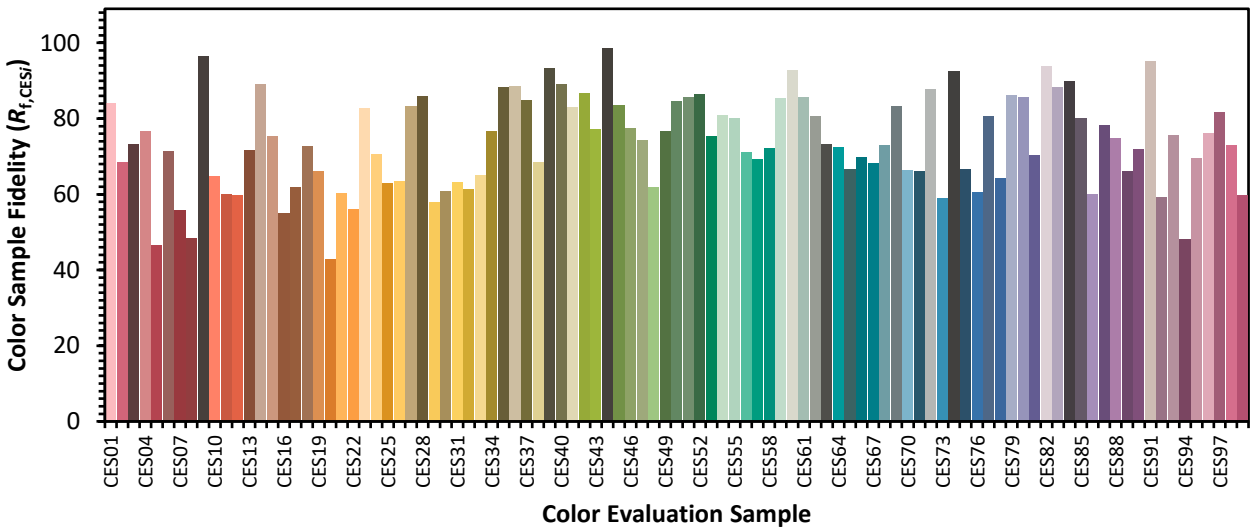


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Individual Sample Fidelity Index ($R_{f,i}$)

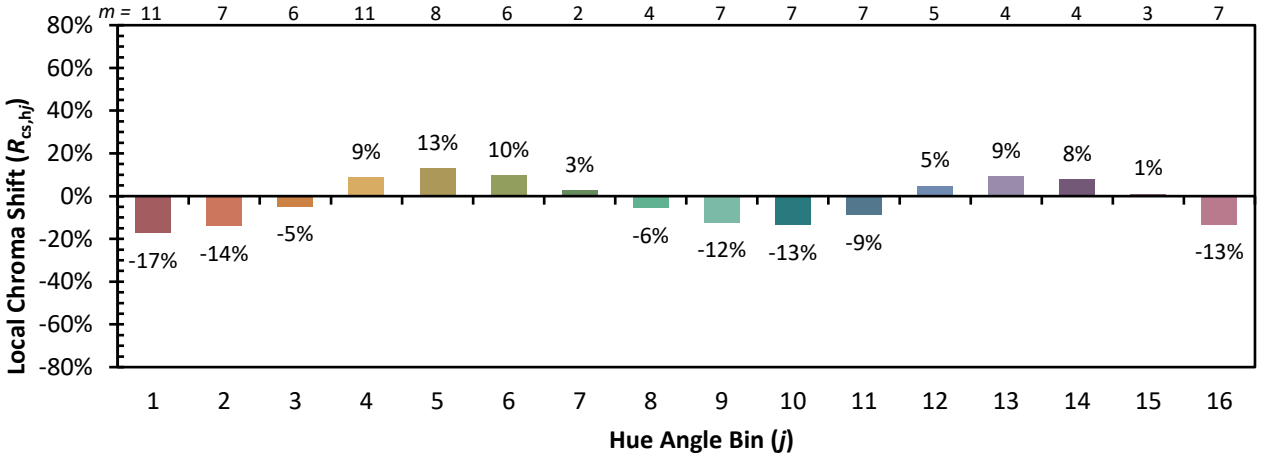
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
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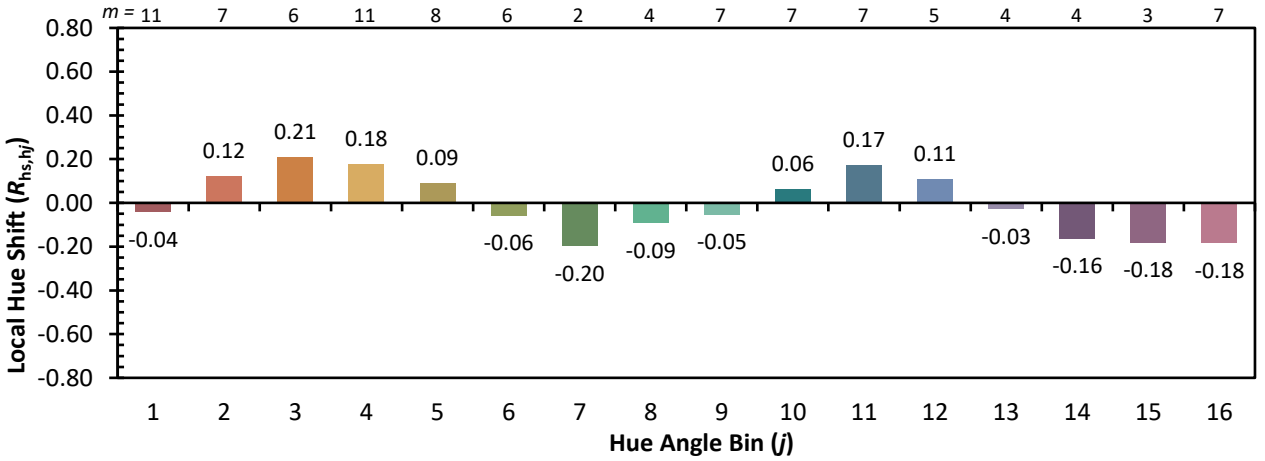


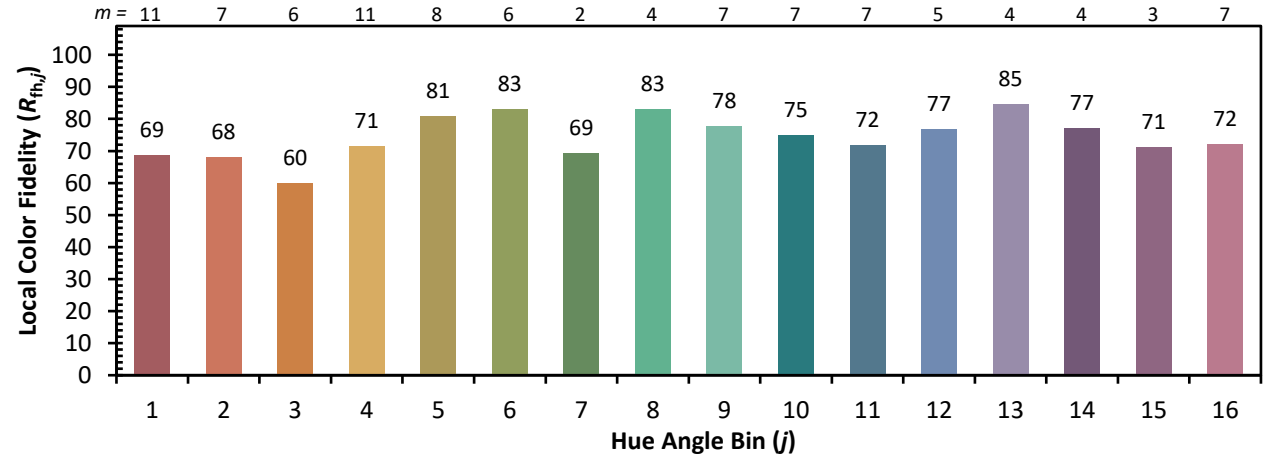
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Color Rendition by Hue-Angle Bin



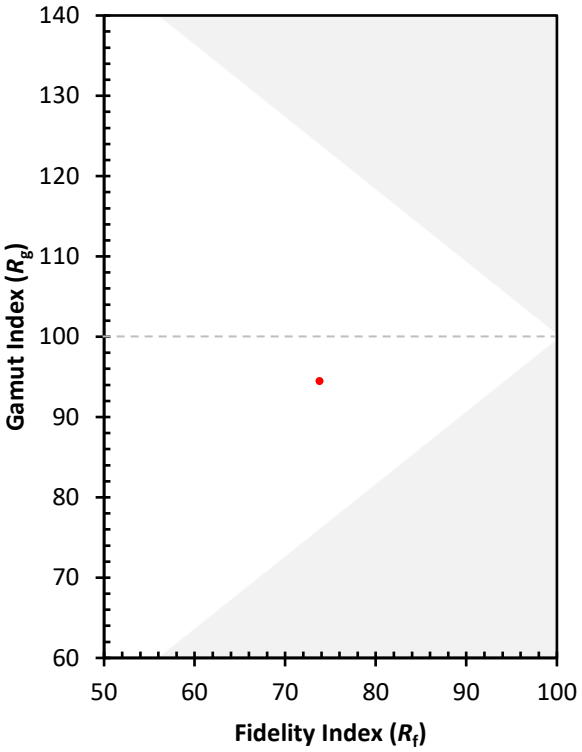


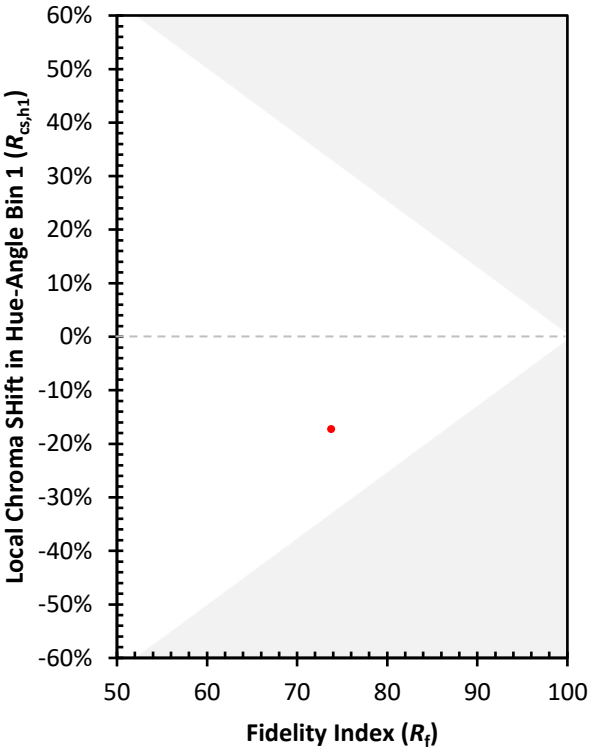


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Measure Comparisons





(END OF REPORT)