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: P1501449

Luminaire Tested: GSS-SB2A-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:	P1501449
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8767.5 lumens
Efficiency:	N/A
Efficacy:	151.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

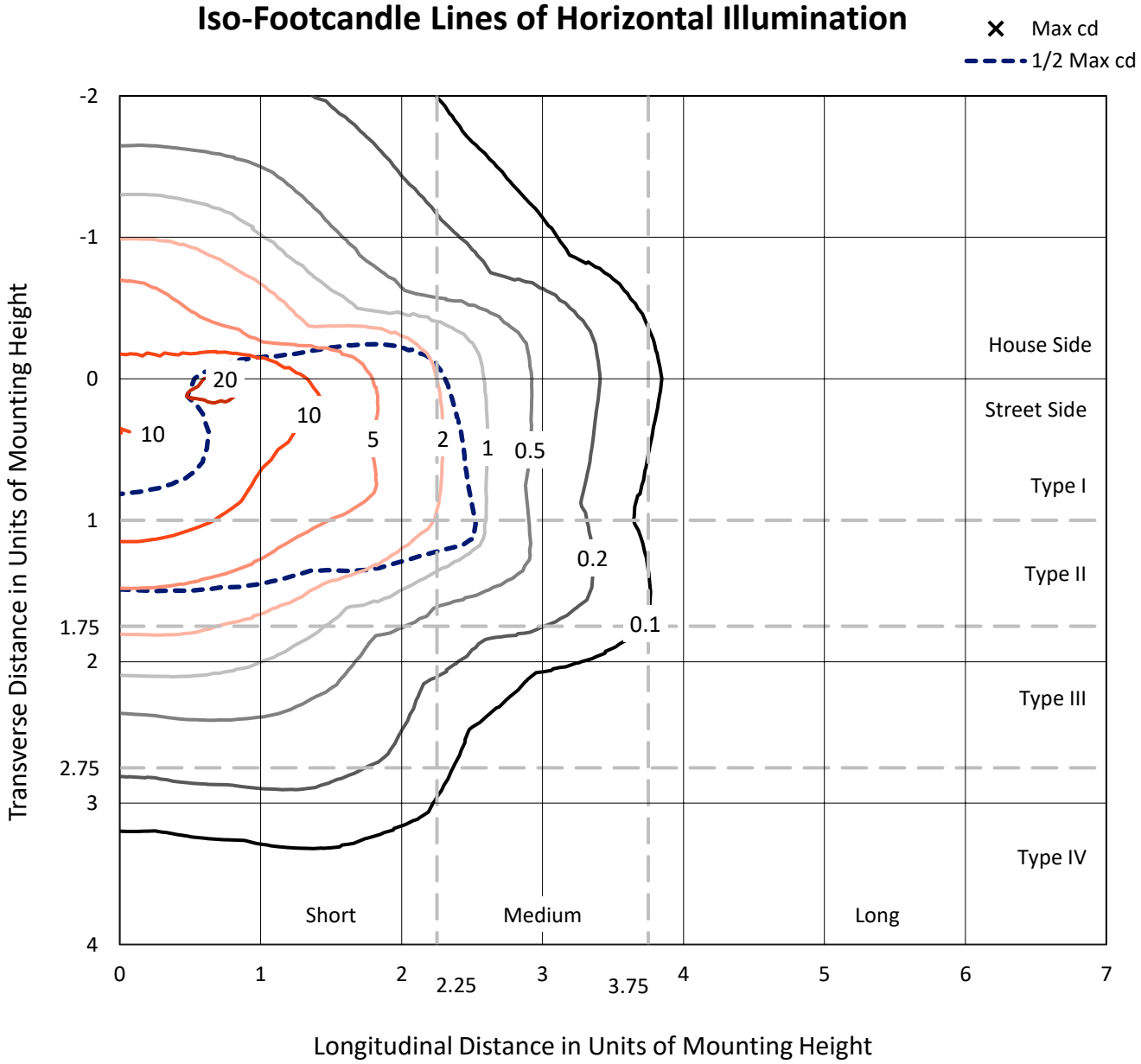
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



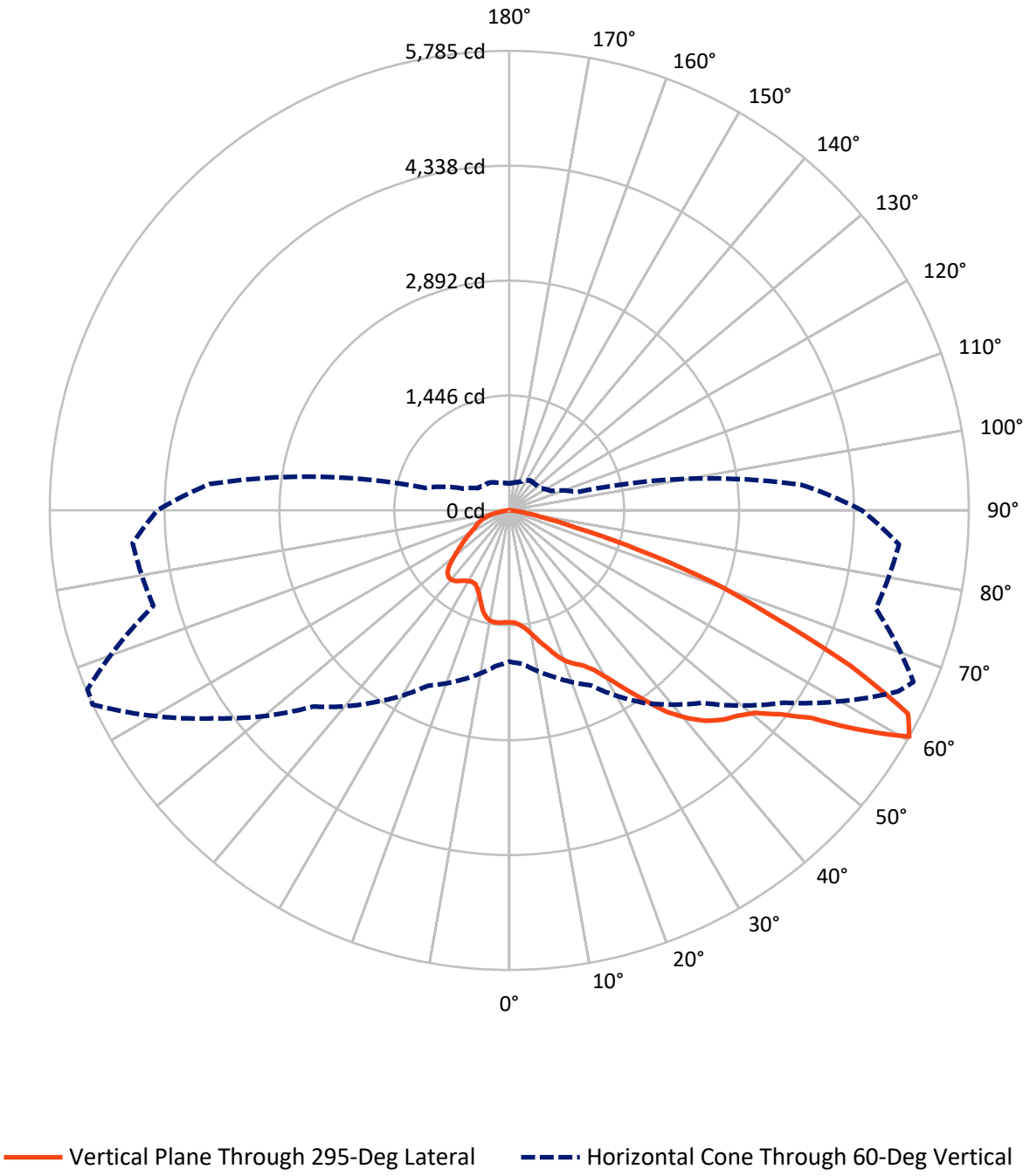
Based on 10 foot mounting height. Maximum calculated value = 21.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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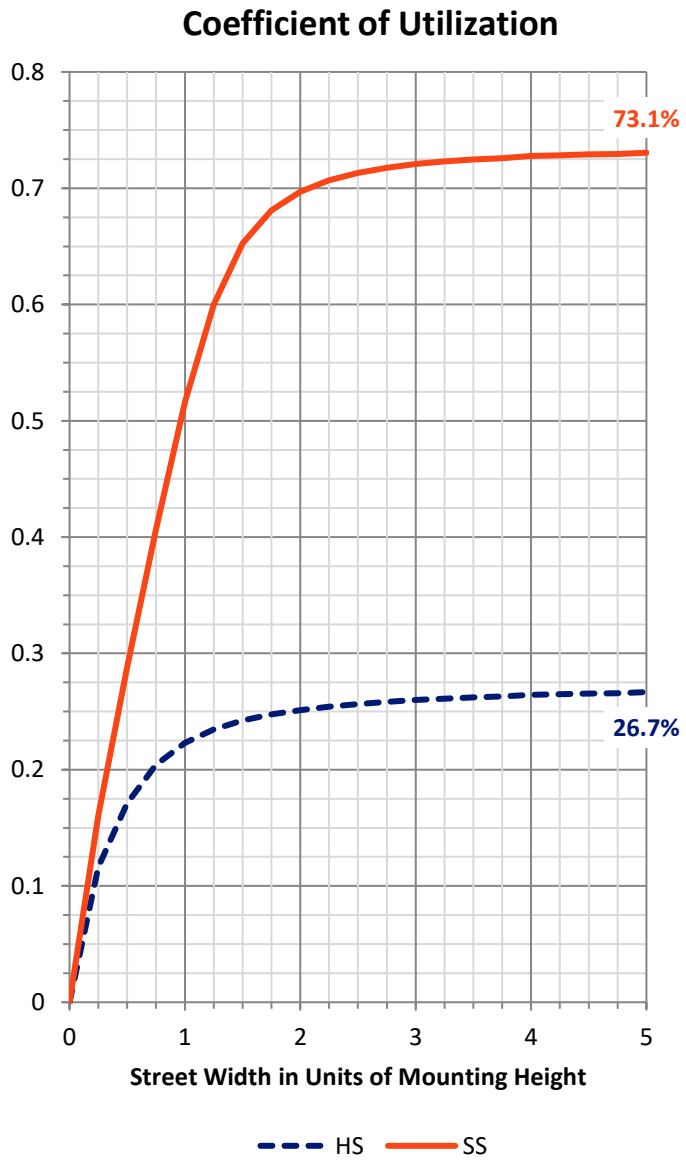
REPORT NUMBER: P1501449
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2357.7	0.0	2357.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6409.8	0.0	6409.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	8767.5	0.0	8767.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	1.5
10°-20°	381.3	4.3
20°-30°	722.2	8.2
30°-40°	1273.2	14.5
40°-50°	1883.0	21.5
50°-60°	2211.1	25.2
60°-70°	1602.0	18.3
70°-80°	494.1	5.6
80°-90°	68.0	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°	8767.5	100.0
0°-180°	8767.5	100.0



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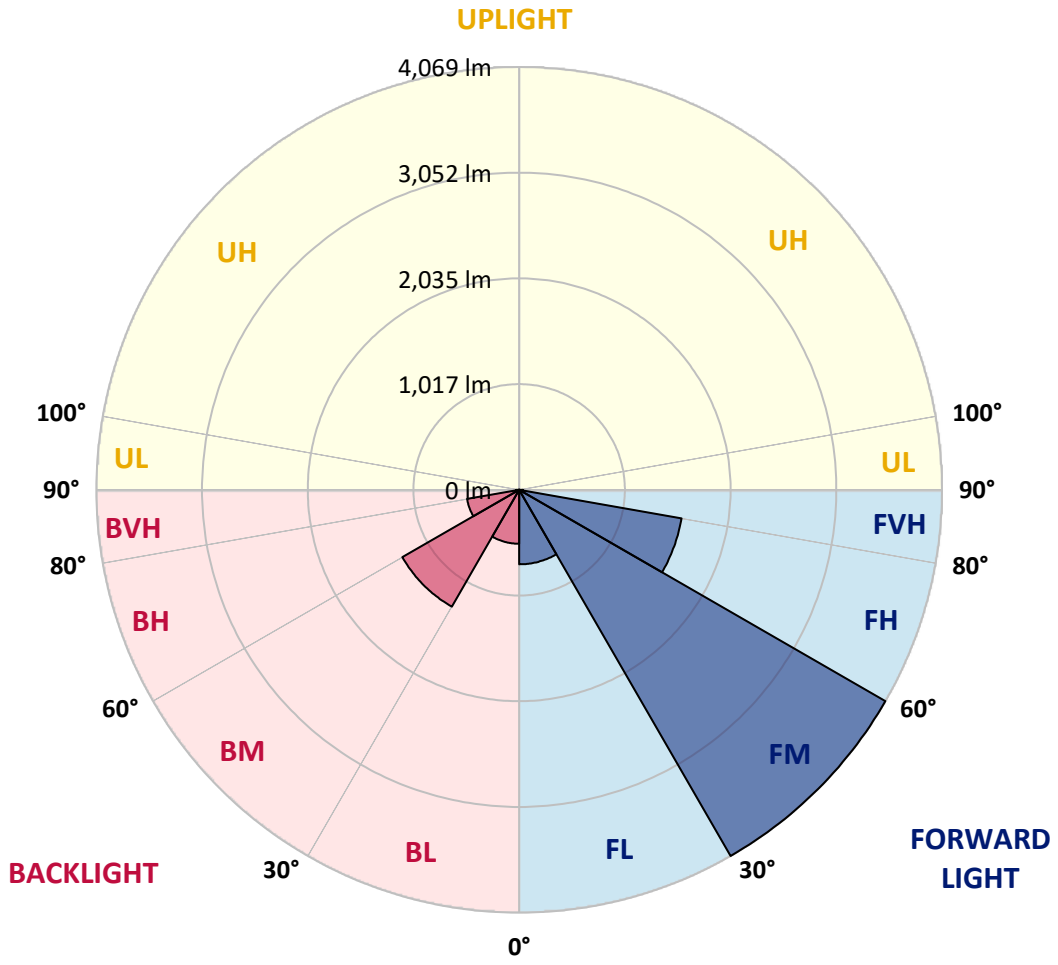
Scaled Data Report

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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°)	716.9	8.2			
FM	(30°-60°)	4069.1	46.4			
FH	(60°-80°)	1587.2	18.1			G1/1800
FVH	(80°-90°)	36.7	0.4			G1/100
BL	(0°-30°)	519.2	5.9	B2/1000		
BM	(30°-60°)	1298.2	14.8	B2/2500		
BH	(60°-80°)	508.9	5.8	B2/1000		G2/1000
BVH	(80°-90°)	31.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7
2.5°	1438.6	1442.6	1436.6	1440.6	1440.6	1434.6	1432.6	1424.6	1428.6	1426.6	1424.6
5°	1472.6	1474.6	1470.6	1476.6	1476.6	1478.6	1476.6	1466.6	1466.6	1466.6	1462.6
7.5°	1462.6	1462.6	1464.6	1484.6	1504.6	1530.5	1530.5	1526.5	1530.5	1528.5	1510.6
10°	1378.7	1386.7	1404.7	1454.6	1502.6	1558.5	1596.5	1608.5	1608.5	1610.5	1580.5
12.5°	1228.8	1234.8	1276.8	1352.7	1452.6	1554.5	1646.4	1706.4	1712.4	1722.4	1682.4
15°	1095.0	1098.9	1128.9	1206.8	1320.7	1500.6	1674.4	1798.3	1818.3	1860.2	1800.3
17.5°	1106.9	1104.9	1112.9	1142.9	1224.8	1412.6	1668.4	1906.2	1942.1	2016.1	1964.1
20°	1178.9	1178.9	1184.9	1190.9	1220.8	1348.7	1624.4	1994.1	2064.0	2207.9	2147.9
22.5°	1292.8	1292.8	1290.8	1300.8	1300.8	1376.7	1626.4	2060.0	2163.9	2421.7	2363.7
25°	1450.6	1442.6	1442.6	1446.6	1428.6	1482.6	1676.4	2128.0	2263.8	2675.4	2625.5
27.5°	1628.4	1634.4	1630.4	1616.5	1592.5	1634.4	1796.3	2233.9	2375.7	2943.2	2923.2
30°	1822.3	1824.3	1828.3	1820.3	1800.3	1830.3	1984.1	2393.7	2523.6	3222.9	3266.9
32.5°	2012.1	2040.1	2030.1	2010.1	2018.1	2072.0	2215.9	2609.5	2743.4	3482.7	3638.5
35°	2253.8	2263.8	2303.8	2229.9	2231.9	2323.8	2511.6	2893.2	3023.1	3752.4	4010.2
37.5°	2605.5	2623.5	2605.5	2489.6	2471.6	2599.5	2799.3	3173.0	3266.9	3956.2	4355.8
40°	2951.2	2973.2	3003.1	2867.3	2753.4	2859.3	3071.1	3386.8	3484.7	4068.1	4585.6
42.5°	3236.9	3272.9	3240.9	3200.9	3097.0	3117.0	3260.9	3552.6	3650.5	4210.0	4817.4
45°	3478.7	3484.7	3498.7	3470.7	3418.7	3400.7	3422.7	3698.5	3806.4	4273.9	4931.3
47.5°	3578.6	3604.6	3616.5	3664.5	3718.4	3682.5	3560.6	3766.4	3864.3	4269.9	4967.3
50°	3524.6	3550.6	3614.5	3728.4	3858.3	3922.3	3722.4	3860.3	3970.2	4341.9	5041.2
52.5°	3382.8	3410.7	3514.6	3644.5	3862.3	4008.2	3950.2	4056.1	4162.0	4469.7	5165.1
55°	3039.1	3081.1	3226.9	3442.7	3742.4	3962.2	4190.0	4343.8	4459.7	4623.6	5292.9
57.5°	2539.6	2583.5	2747.4	3071.1	3520.6	3772.4	4259.9	4883.3	4935.3	4807.4	5304.9
60°	*1902.2*	*1938.1*	*2169.9*	*2429.7*	*2957.2*	*3424.7*	*4220.0*	*5394.8*	*5526.7*	*4775.4*	*4923.3*
62.5°	1506.6	1550.5	1756.3	1876.2	2253.8	2829.3	4080.1	5536.7	5650.6	4511.7	4391.8
65°	1176.9	1206.8	1398.7	1570.5	1662.4	1932.2	3496.7	4843.4	4945.3	4082.1	3624.5
67.5°	777.3	823.2	1051.0	1286.8	1334.7	1228.8	2405.7	3726.4	3774.4	3244.9	2725.4
70°	557.5	579.4	749.3	1001.0	1073.0	823.2	1310.7	2821.3	2835.3	2177.9	1836.2
72.5°	379.6	383.6	509.5	767.3	855.2	597.4	721.3	1858.2	1810.3	1075.0	1051.0
75°	257.8	261.7	325.7	511.5	605.4	415.6	469.6	1013.0	973.1	593.4	637.4
77.5°	173.8	177.8	223.8	343.7	403.6	287.7	343.7	535.5	525.5	393.6	341.7
80°	131.9	137.9	165.8	219.8	281.7	167.8	195.8	253.8	257.8	209.8	173.8
82.5°	73.9	81.9	99.9	111.9	181.8	93.9	93.9	151.9	145.9	129.9	93.9
85°	32.0	34.0	40.0	42.0	73.9	40.0	34.0	65.9	67.9	63.9	30.0
87.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7
2.5°	1414.6	1426.6	1414.6	1408.7	1408.7	1398.7	1394.7	1394.7	1380.7	1386.7	1382.7
5°	1446.6	1450.6	1436.6	1418.6	1394.7	1374.7	1346.7	1310.7	1288.8	1286.8	1288.8
7.5°	1496.6	1498.6	1460.6	1420.6	1360.7	1288.8	1202.9	1132.9	1071.0	1061.0	1073.0
10°	1566.5	1562.5	1506.6	1412.6	1286.8	1134.9	1003.0	939.1	903.1	901.1	899.1
12.5°	1660.4	1634.4	1548.5	1378.7	1158.9	983.1	915.1	911.1	921.1	929.1	931.1
15°	1768.3	1734.3	1582.5	1312.7	1029.0	927.1	931.1	965.1	977.1	985.1	985.1
17.5°	1902.2	1858.2	1620.5	1218.8	963.1	939.1	967.1	999.0	1019.0	1027.0	1025.0
20°	2080.0	1988.1	1650.4	1128.9	945.1	959.1	983.1	1015.0	1035.0	1045.0	1045.0
22.5°	2257.8	2144.0	1656.4	1067.0	945.1	961.1	983.1	1015.0	1037.0	1047.0	1045.0
25°	2499.6	2343.8	1658.4	1023.0	947.1	951.1	971.1	999.0	1031.0	1041.0	1045.0
27.5°	2757.4	2563.5	1668.4	1013.0	939.1	937.1	951.1	977.1	1009.0	1035.0	1037.0
30°	3077.1	2811.3	1672.4	1023.0	941.1	915.1	925.1	951.1	985.1	1011.0	1019.0
32.5°	3390.8	3041.1	1664.4	1045.0	945.1	901.1	903.1	919.1	955.1	973.1	987.1
35°	3722.4	3284.9	1650.4	1075.0	947.1	895.1	877.2	885.2	909.1	911.1	917.1
37.5°	3982.2	3466.7	1608.5	1114.9	951.1	873.2	837.2	831.2	821.2	801.2	805.2
40°	4196.0	3588.6	1538.5	1134.9	941.1	847.2	787.2	759.3	721.3	691.3	697.3
42.5°	4349.8	3670.5	1454.6	1138.9	925.1	803.2	729.3	681.3	639.4	607.4	609.4
45°	4417.8	3662.5	1364.7	1108.9	887.2	749.3	675.4	629.4	583.4	549.5	545.5
47.5°	4419.8	3584.6	1240.8	1037.0	823.2	687.3	625.4	575.4	537.5	513.5	511.5
50°	4435.8	3540.6	1124.9	933.1	739.3	621.4	581.4	531.5	509.5	475.5	465.6
52.5°	4535.7	3612.5	1045.0	819.2	661.4	573.5	543.5	499.5	463.6	441.6	439.6
55°	4697.5	3736.4	1001.0	733.3	587.4	527.5	507.5	469.6	437.6	415.6	409.6
57.5°	4717.5	3800.4	949.1	653.4	527.5	491.5	483.5	441.6	395.6	379.6	373.6
60°	*4437.8*	*3692.5*	*885.2*	*579.4*	*483.5*	*463.6*	*459.6*	*403.6*	*365.7*	*345.7*	*337.7*
62.5°	4056.1	3422.7	787.2	511.5	449.6	435.6	419.6	375.6	327.7	305.7	299.7
65°	3314.8	2877.2	669.4	465.6	415.6	399.6	395.6	335.7	303.7	291.7	289.7
67.5°	2511.6	2311.8	589.4	431.6	379.6	373.6	359.7	339.7	325.7	311.7	307.7
70°	1776.3	1668.4	501.5	387.6	343.7	333.7	391.6	369.6	319.7	301.7	299.7
72.5°	1077.0	1047.0	433.6	347.7	295.7	311.7	361.7	333.7	287.7	265.7	257.8
75°	679.4	621.4	363.7	295.7	235.8	253.8	315.7	297.7	247.8	225.8	219.8
77.5°	369.6	343.7	273.7	241.8	185.8	205.8	275.7	245.8	197.8	215.8	191.8
80°	161.8	179.8	181.8	139.9	123.9	151.9	197.8	191.8	151.9	153.9	127.9
82.5°	77.9	101.9	117.9	95.9	69.9	89.9	131.9	109.9	101.9	95.9	91.9
85°	24.0	38.0	52.0	46.0	32.0	38.0	61.9	59.9	71.9	61.9	57.9
87.5°	8.0	8.0	6.0	6.0	6.0	8.0	10.0	6.0	2.0	2.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7
2.5°	1380.7	1382.7	1382.7	1384.7	1384.7	1390.7	1398.7	1406.7	1400.7	1408.7	1410.7
5°	1284.8	1294.8	1302.8	1332.7	1356.7	1376.7	1398.7	1418.6	1424.6	1428.6	1438.6
7.5°	1059.0	1087.0	1138.9	1206.8	1282.8	1356.7	1406.7	1458.6	1466.6	1476.6	1490.6
10°	901.1	913.1	949.1	1019.0	1154.9	1300.8	1422.6	1504.6	1538.5	1558.5	1572.5
12.5°	927.1	919.1	913.1	923.1	1011.0	1198.9	1412.6	1570.5	1634.4	1656.4	1674.4
15°	989.1	981.1	959.1	931.1	941.1	1091.0	1378.7	1632.4	1734.3	1770.3	1808.3
17.5°	1025.0	1017.0	999.0	969.1	943.1	1001.0	1314.7	1688.4	1892.2	1936.1	1990.1
20°	1045.0	1037.0	1019.0	989.1	959.1	967.1	1232.8	1758.3	2072.0	2142.0	2221.9
22.5°	1049.0	1039.0	1019.0	989.1	971.1	965.1	1154.9	1800.3	2265.8	2373.7	2465.6
25°	1047.0	1029.0	1003.0	981.1	971.1	969.1	1100.9	1824.3	2475.6	2647.5	2751.4
27.5°	1033.0	1011.0	985.1	969.1	965.1	977.1	1077.0	1852.2	2721.4	2941.2	3107.0
30°	1017.0	985.1	953.1	947.1	957.1	995.0	1097.0	1862.2	2979.2	3260.9	3430.7
32.5°	975.1	951.1	919.1	917.1	941.1	1009.0	1142.9	1848.2	3206.9	3580.6	3794.4
35°	915.1	901.1	883.2	889.2	927.1	1021.0	1174.9	1804.3	3414.7	3878.3	4128.1
37.5°	809.2	819.2	829.2	843.2	891.1	1019.0	1188.9	1734.3	3586.6	4116.1	4435.8
40°	691.3	725.3	757.3	793.2	857.2	1003.0	1192.9	1648.4	3686.5	4295.9	4709.5
42.5°	617.4	649.4	689.3	741.3	811.2	967.1	1188.9	1552.5	3718.4	4419.8	4883.3
45°	549.5	587.4	637.4	691.3	771.3	915.1	1152.9	1448.6	3734.4	4477.7	4957.3
47.5°	513.5	535.5	581.4	635.4	719.3	851.2	1083.0	1372.7	3710.5	4489.7	5047.2
50°	471.5	501.5	531.5	583.4	665.4	771.3	999.0	1328.7	3750.4	4607.6	5189.0
52.5°	439.6	455.6	487.5	535.5	595.4	697.3	919.1	1292.8	3860.3	4727.5	5336.9
55°	415.6	433.6	453.6	493.5	539.5	623.4	837.2	1238.8	3988.2	4855.4	5484.8
57.5°	377.6	389.6	417.6	459.6	489.5	551.5	741.3	1174.9	3978.2	4755.5	5229.0
60°	*343.7*	*355.7*	*385.6*	*427.6*	*445.6*	*487.5*	*647.4*	*1093.0*	*3786.4*	*4429.8*	*4757.5*
62.5°	305.7	319.7	355.7	385.6	401.6	433.6	549.5	943.1	3386.8	3940.2	4206.0
65°	289.7	297.7	321.7	357.7	355.7	385.6	463.6	741.3	2725.4	3011.1	3252.9
67.5°	307.7	319.7	315.7	325.7	319.7	335.7	415.6	595.4	2142.0	2267.8	2407.7
70°	303.7	331.7	345.7	325.7	279.7	297.7	359.7	475.5	1532.5	1520.5	1514.6
72.5°	265.7	293.7	333.7	353.7	273.7	247.8	311.7	411.6	983.1	979.1	885.2
75°	225.8	245.8	293.7	319.7	235.8	199.8	267.7	349.7	587.4	595.4	531.5
77.5°	207.8	197.8	245.8	281.7	191.8	153.9	215.8	263.7	323.7	327.7	303.7
80°	149.9	143.9	183.8	205.8	145.9	109.9	121.9	163.8	173.8	155.9	161.8
82.5°	95.9	97.9	109.9	131.9	89.9	59.9	83.9	109.9	93.9	75.9	89.9
85°	61.9	69.9	57.9	67.9	28.0	28.0	36.0	48.0	32.0	22.0	24.0
87.5°	0.0	0.0	4.0	8.0	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: P1501449
CATALOG NUMBER: GSS-SB2A-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1410.7	1410.7	*1410.7*	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7	1410.7
2.5°	1416.6	1414.6	*1414.6*	1418.6	1428.6	1432.6	1438.6	1436.6	1442.6	1438.6
5°	1444.6	1446.6	*1452.6*	1454.6	1460.6	1468.6	1470.6	1468.6	1472.6	1472.6
7.5°	1500.6	1508.6	*1504.6*	1514.6	1506.6	1496.6	1480.6	1468.6	1458.6	1462.6
10°	1594.5	1590.5	*1588.5*	1570.5	1534.5	1482.6	1440.6	1394.7	1386.7	1378.7
12.5°	1698.4	1694.4	*1694.4*	1632.4	1530.5	1422.6	1326.7	1254.8	1230.8	1228.8
15°	1844.2	1818.3	*1794.3*	1664.4	1460.6	1276.8	1164.9	1108.9	1095.0	1095.0
17.5°	2026.1	1958.1	*1918.2*	1640.4	1346.7	1180.9	1114.9	1100.9	1097.0	1106.9
20°	2251.8	2080.0	*2022.1*	1586.5	1304.8	1192.9	1160.9	1162.9	1164.9	1178.9
22.5°	2499.6	2191.9	*2096.0*	1586.5	1346.7	1268.8	1252.8	1274.8	1280.8	1292.8
25°	2775.3	2291.8	*2161.9*	1670.4	1470.6	1412.6	1392.7	1414.6	1430.6	1450.6
27.5°	3085.1	2395.7	*2275.8*	1822.3	1630.4	1594.5	1572.5	1582.5	1604.5	1628.4
30°	3362.8	2569.5	*2449.7*	2054.0	1848.2	1804.3	1766.3	1782.3	1806.3	1822.3
32.5°	3608.6	2781.3	*2679.4*	2297.8	2098.0	2022.1	1980.1	1976.1	2024.1	2012.1
35°	3834.3	3031.1	*2933.2*	2575.5	2351.8	2257.8	2201.9	2273.8	2241.9	2253.8
37.5°	4012.2	3290.9	*3212.9*	2841.3	2615.5	2487.6	2453.7	2541.6	2591.5	2605.5
40°	4158.0	3516.6	*3434.7*	3105.0	2857.3	2763.4	2817.3	2963.2	2957.2	2951.2
42.5°	4269.9	3710.5	*3620.5*	3304.8	3089.0	3107.0	3149.0	3246.9	3270.9	3236.9
45°	4319.9	3832.3	*3760.4*	3462.7	3352.8	3456.7	3474.7	3516.6	3500.7	3478.7
47.5°	4377.8	3940.2	*3864.3*	3606.6	3638.5	3740.4	3704.5	3670.5	3612.5	3578.6
50°	4475.7	4068.1	*4004.2*	3816.4	3932.2	3898.3	3758.4	3682.5	3564.6	3524.6
52.5°	4661.5	4309.9	*4261.9*	4148.0	4070.1	3874.3	3704.5	3568.6	3436.7	3382.8
55°	4827.4	4637.6	*4609.6*	4457.7	4028.1	3748.4	3520.6	3310.8	3085.1	3039.1
57.5°	4923.3	5181.0	*5213.0*	4589.6	3836.3	3462.7	3127.0	2791.3	2577.5	2539.6
60°	*4637.6*	*5768.5*	*5784.5*	*4563.6*	*3490.7*	*2947.2*	*2435.7*	*2197.9*	*1968.1*	*1902.2*
62.5°	4243.9	5646.6	*5632.6*	4407.8	2779.3	2149.9	1850.2	1738.3	1560.5	1506.6
65°	3648.5	4703.5	*4719.5*	3808.4	1848.2	1554.5	1554.5	1412.6	1214.8	1176.9
67.5°	2973.2	3626.5	*3590.6*	2469.6	1134.9	1244.8	1304.8	1100.9	823.2	777.3
70°	1932.2	2769.4	*2719.4*	1424.6	713.3	1037.0	1027.0	827.2	589.4	557.5
72.5°	831.2	1600.5	*1702.4*	727.3	537.5	835.2	819.2	579.4	393.6	379.6
75°	501.5	805.2	*877.2*	463.6	391.6	629.4	567.5	367.6	267.7	257.8
77.5°	317.7	441.6	*437.6*	347.7	293.7	425.6	381.6	253.8	181.8	173.8
80°	183.8	217.8	*225.8*	217.8	197.8	303.7	243.8	183.8	141.9	131.9
82.5°	117.9	135.9	*137.9*	105.9	109.9	195.8	131.9	107.9	81.9	73.9
85°	52.0	57.9	*55.9*	36.0	36.0	79.9	46.0	44.0	32.0	32.0
87.5°	2.0	4.0	*2.0*	2.0	2.0	8.0	4.0	6.0	6.0	6.0
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: SP1-2407-184-6

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

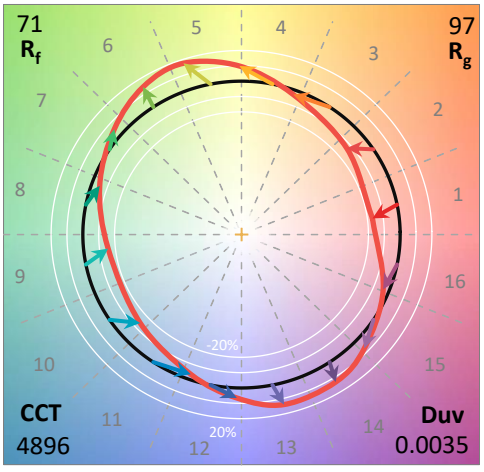
Test Information

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

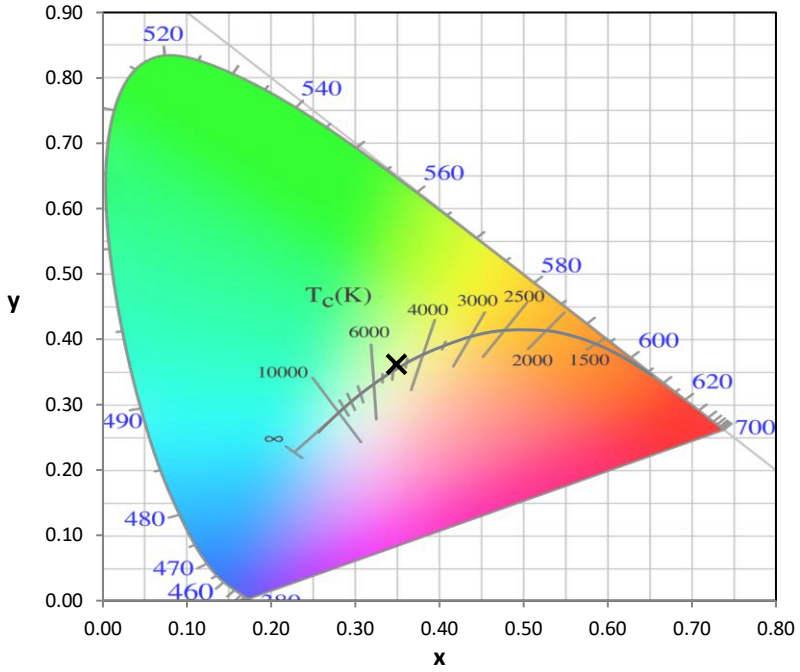
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

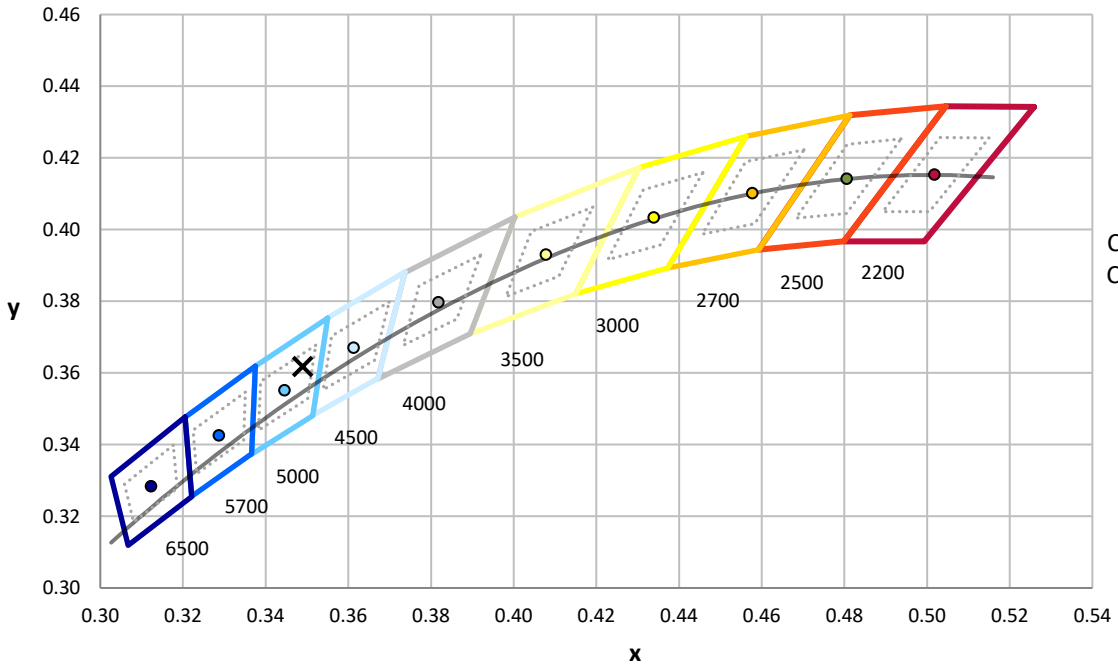
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

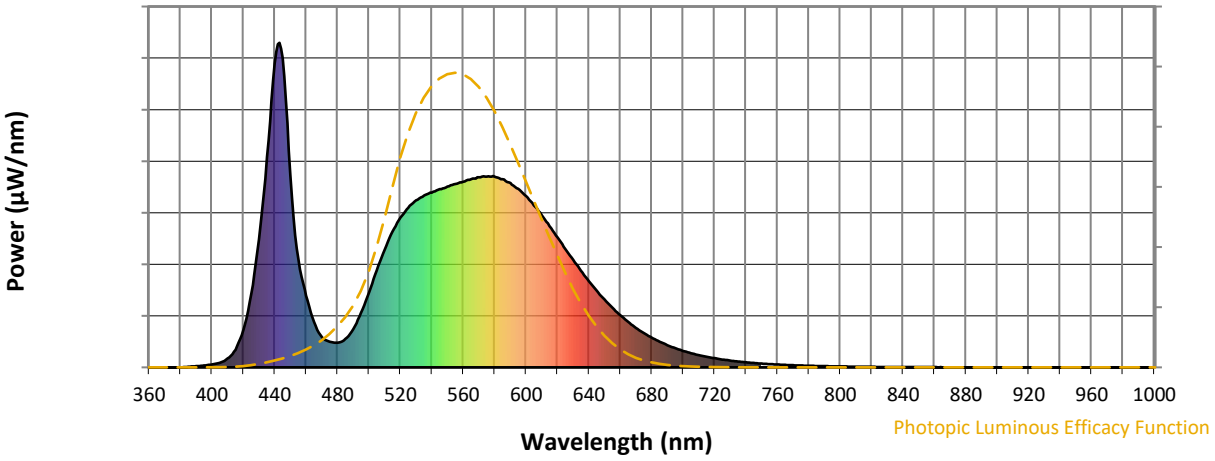


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

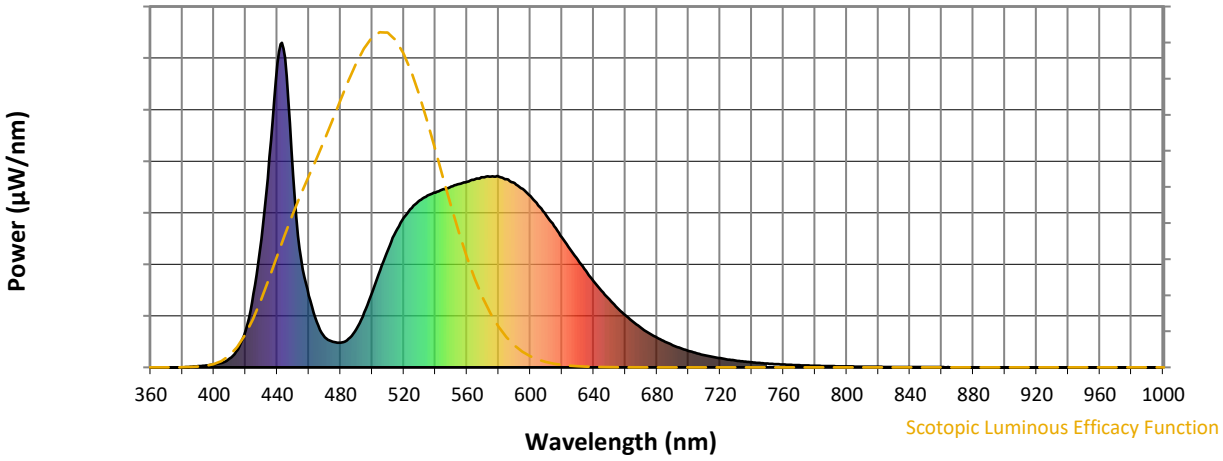


Photopic Lumens: NR

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

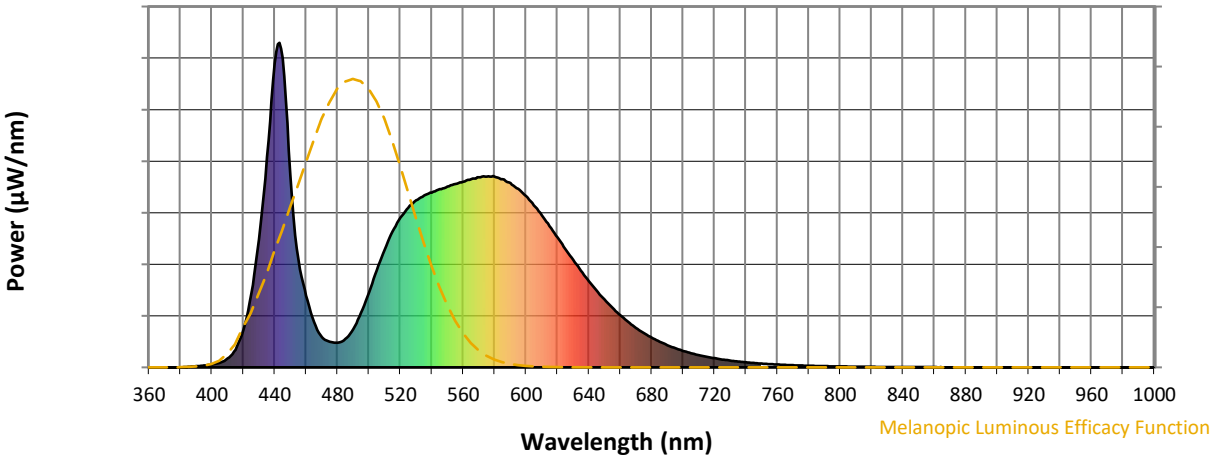


Scotopic Lumens: NR **S/P: 1.7**

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			

REPORT NUMBER: SP1-2407-184-6

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			

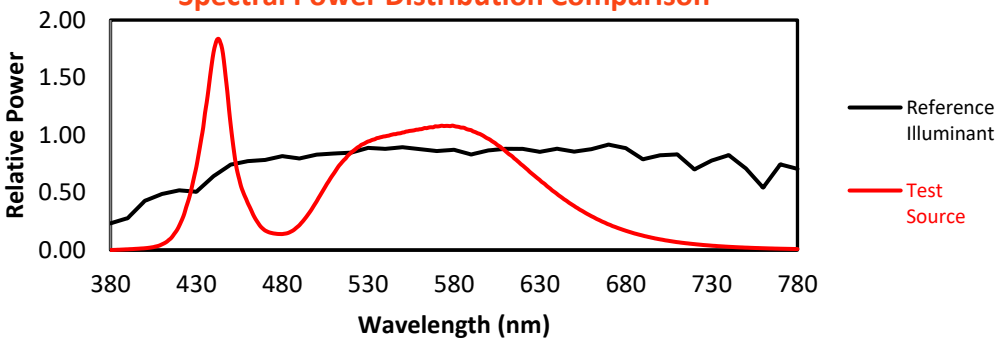
REPORT NUMBER: SP1-2407-184-6

TM-30-18

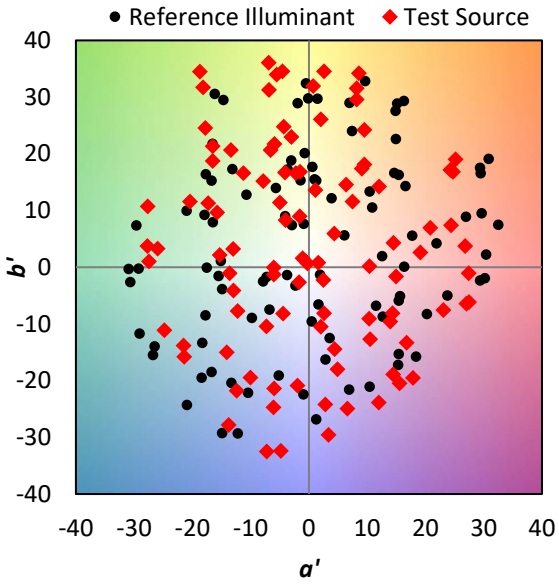
Summary

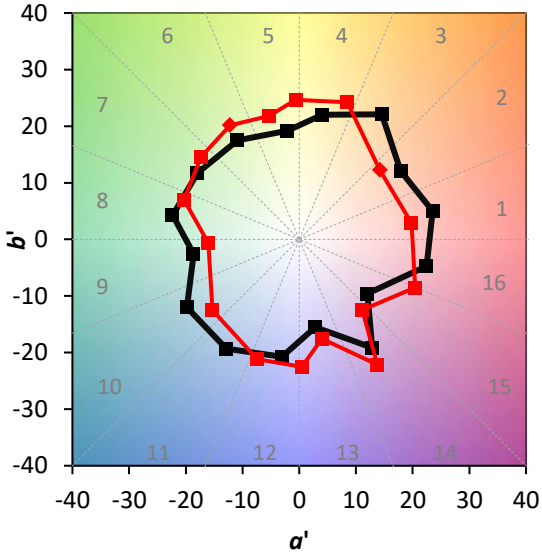
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

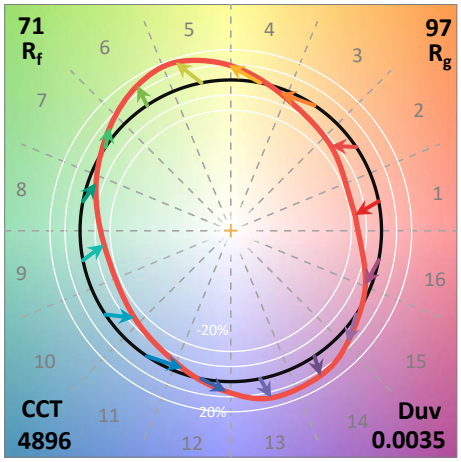
Spectral Power Distribution Comparison

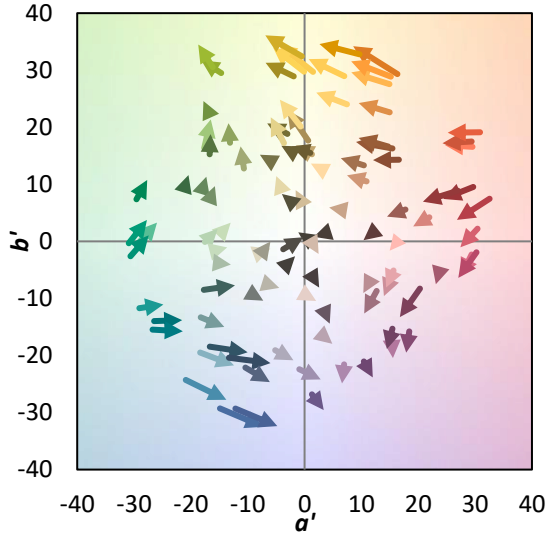


Color Vector Graphics







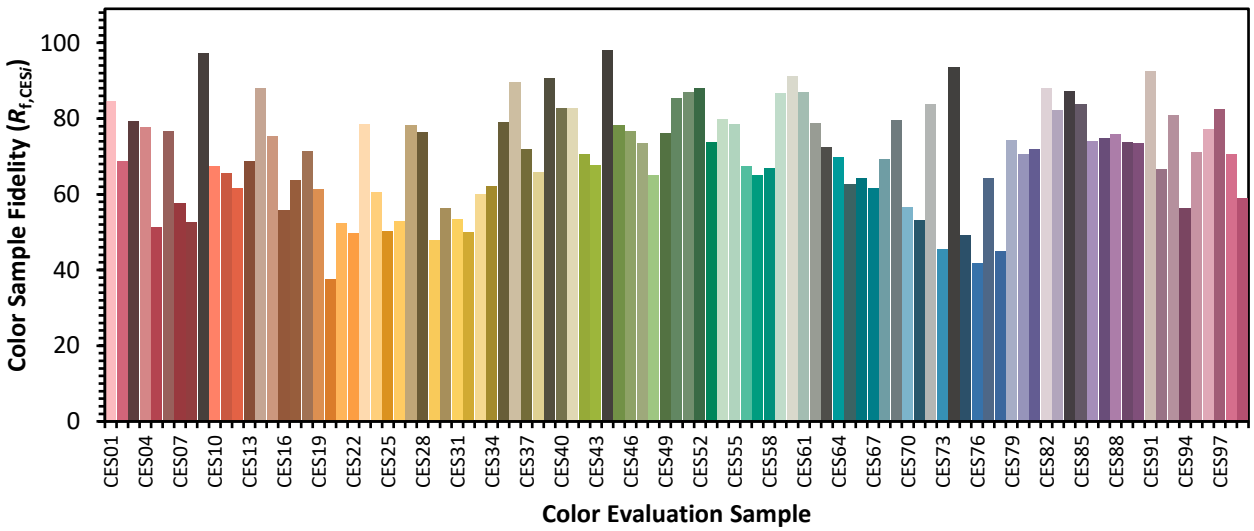


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Individual Sample Fidelity Index ($R_{f,i}$)

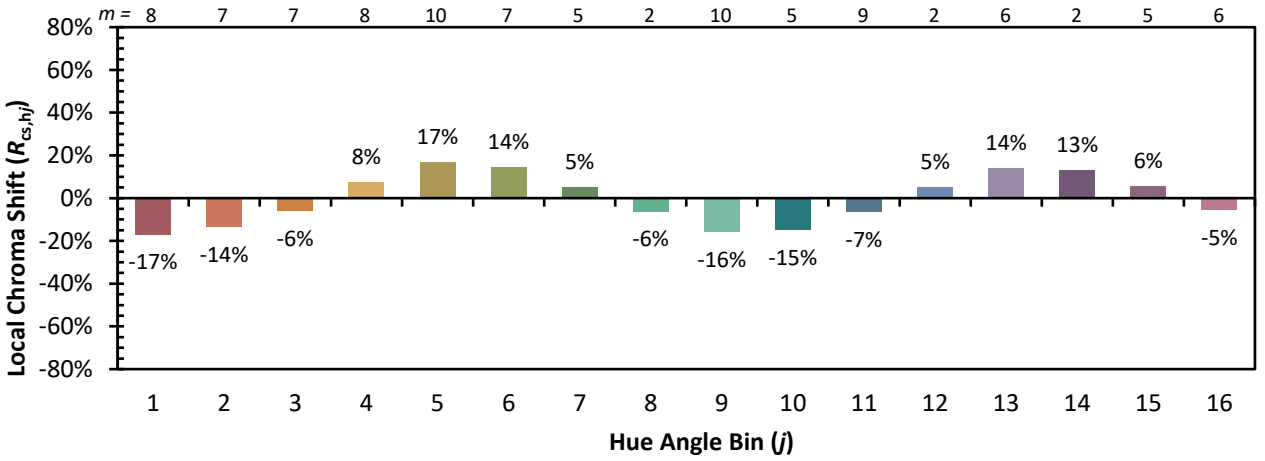
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 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	

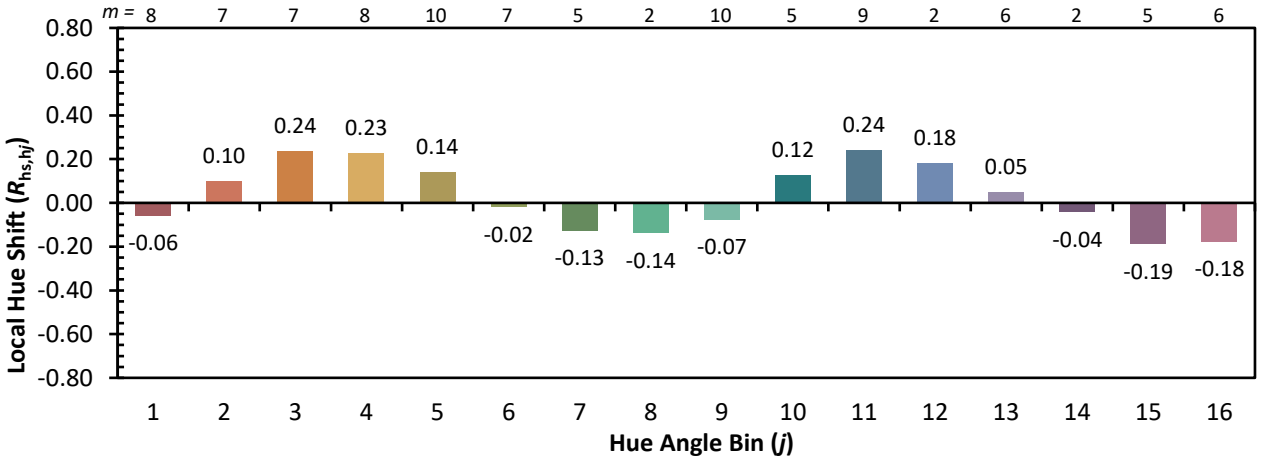


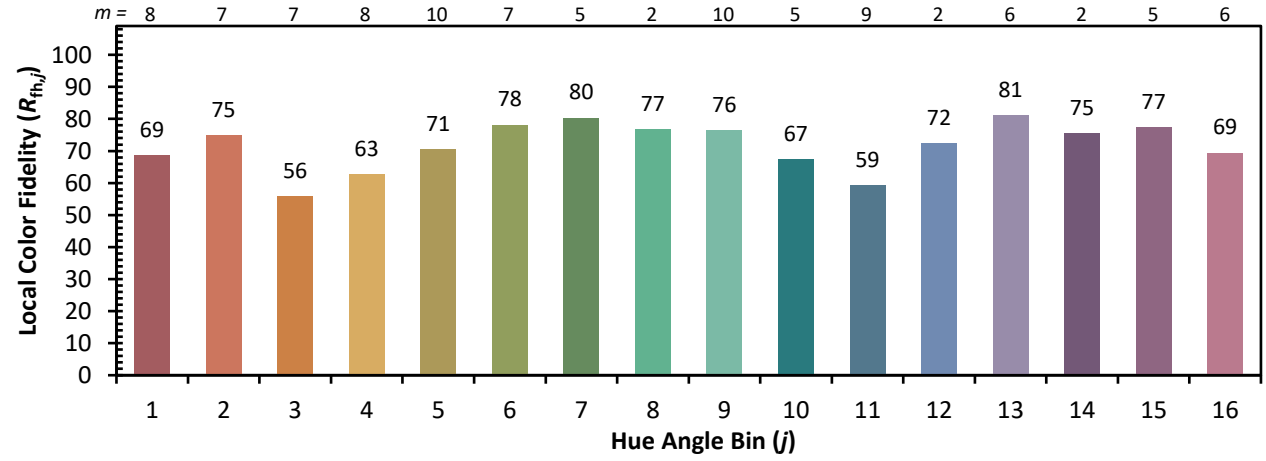
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Color Rendition by Hue-Angle Bin



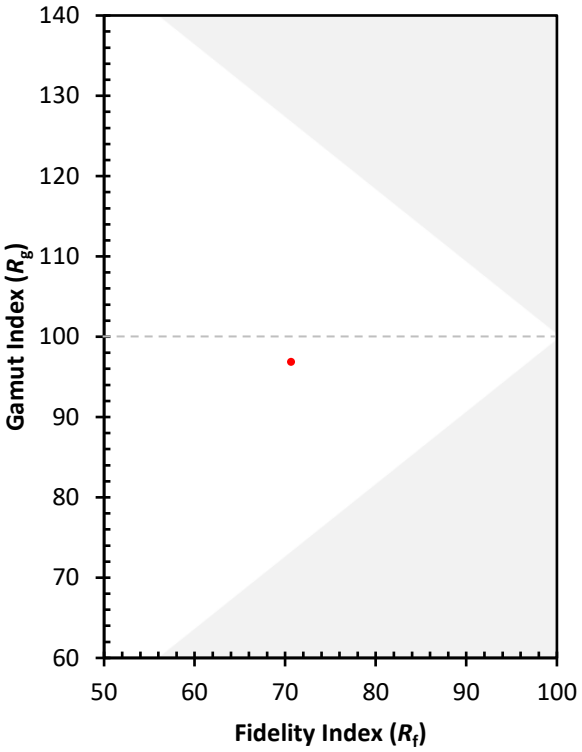


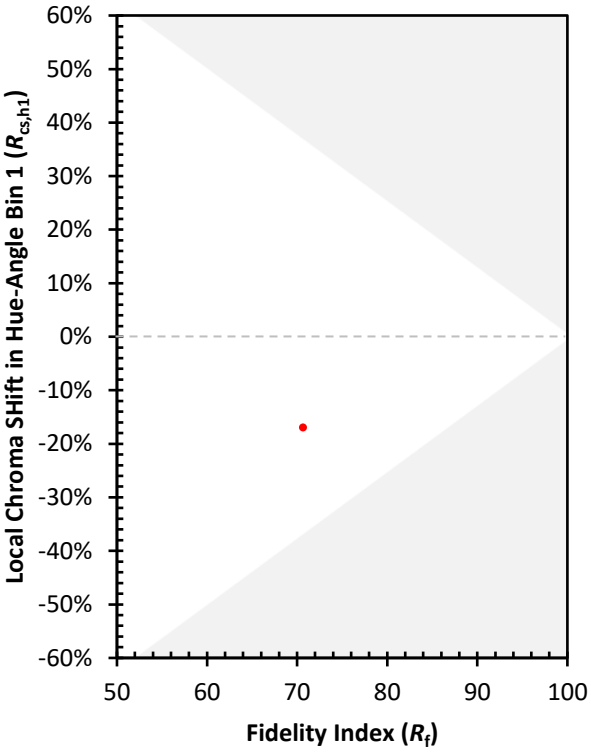


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Measure Comparisons





(END OF REPORT)