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: P1501568

Luminaire Tested: GSS-SB1D-840-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:	P1501568
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-840-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8864.3 lumens
Efficiency:	N/A
Efficacy:	116.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

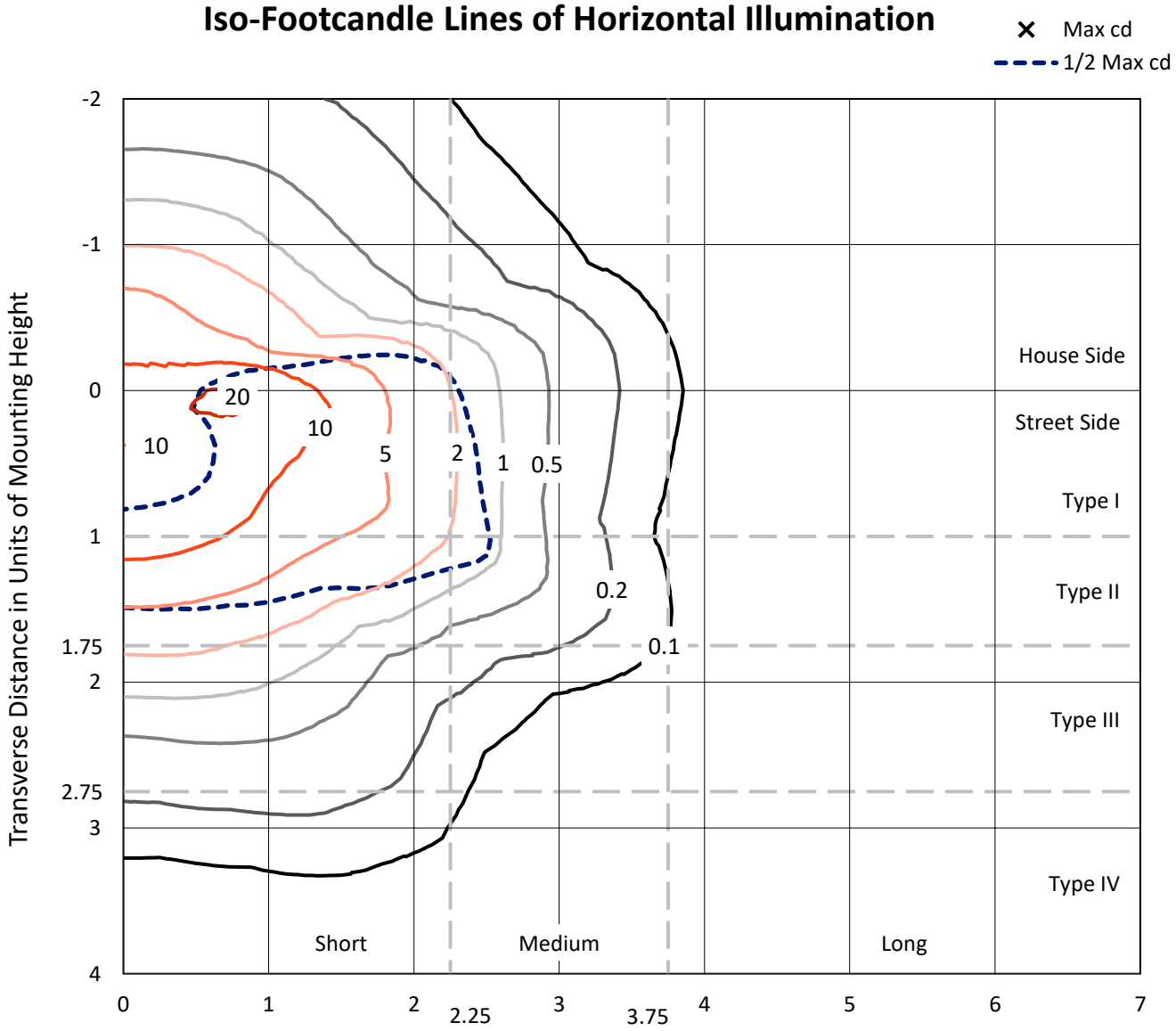
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



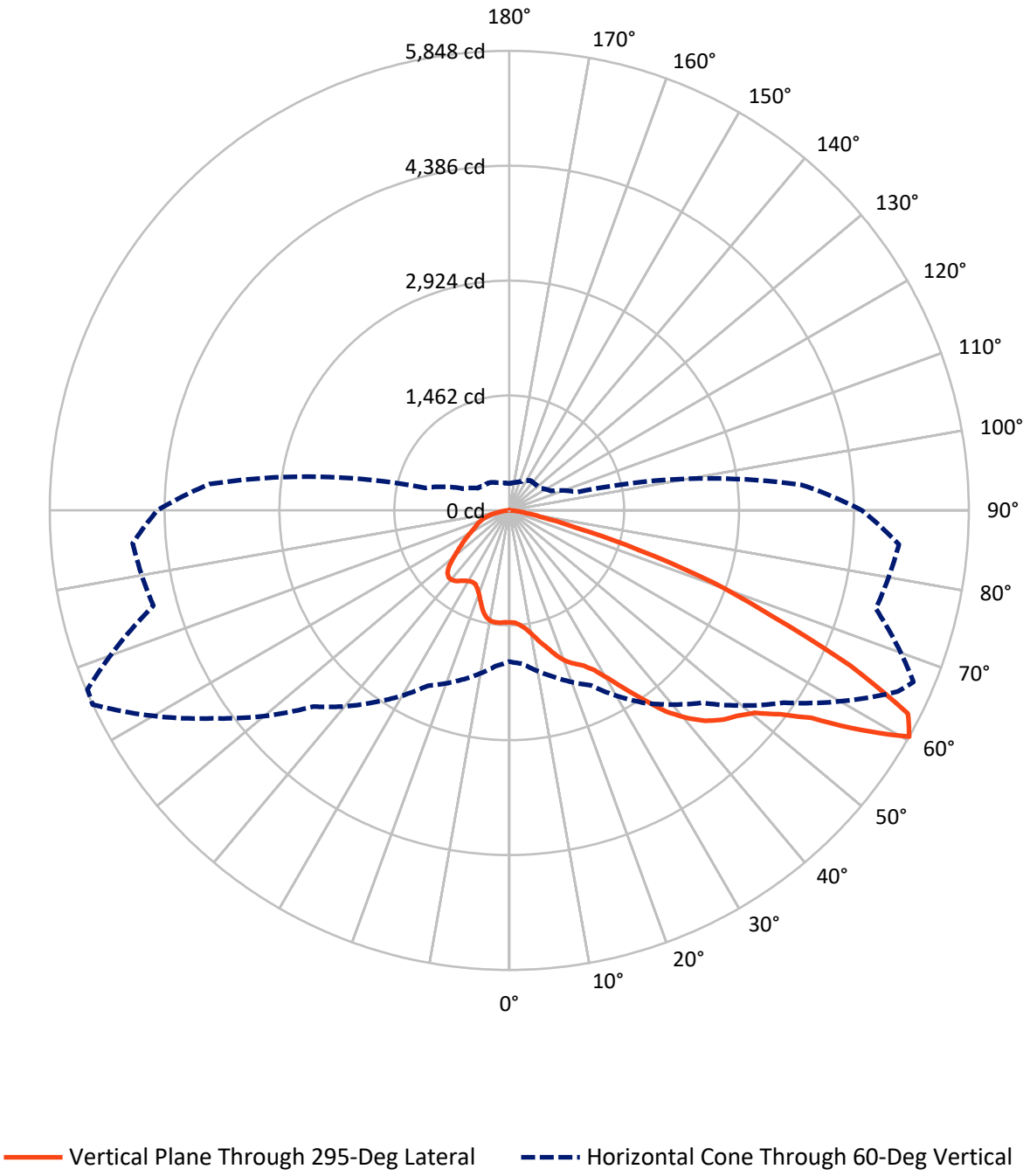
Based on 10 foot mounting height. Maximum calculated value = 21.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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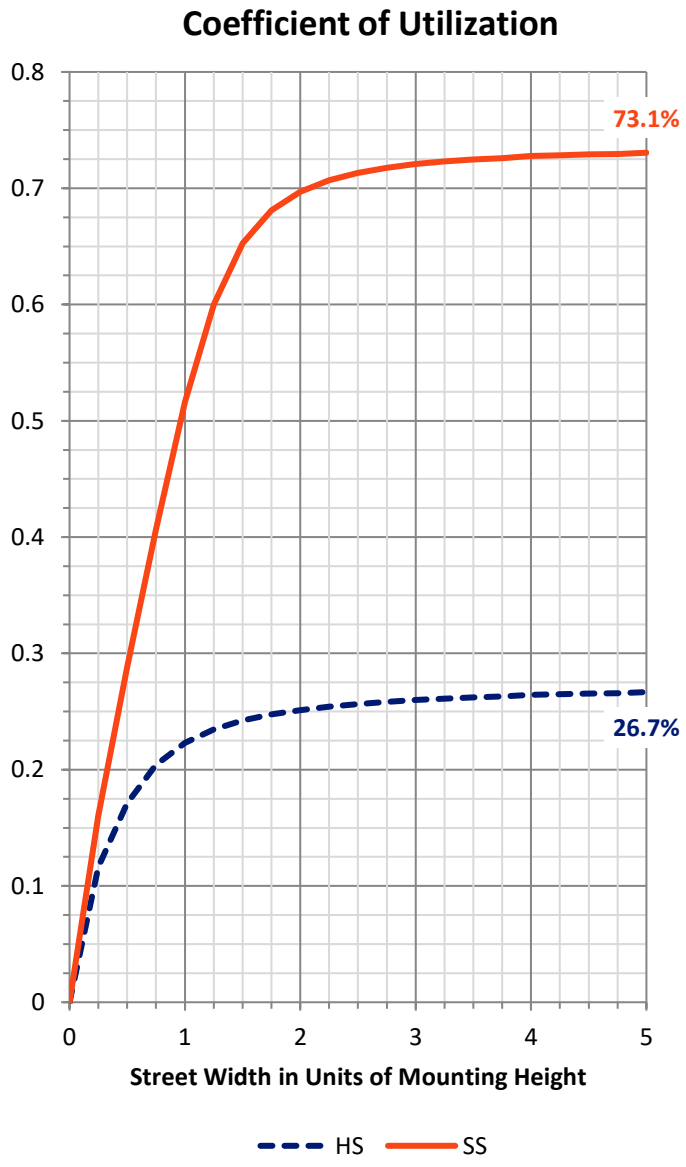
REPORT NUMBER: P1501568
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2383.7	0.0	2383.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6480.6	0.0	6480.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	8864.3	0.0	8864.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	1.5
10°-20°	385.5	4.3
20°-30°	730.2	8.2
30°-40°	1287.3	14.5
40°-50°	1903.7	21.5
50°-60°	2235.5	25.2
60°-70°	1619.7	18.3
70°-80°	499.5	5.6
80°-90°	68.8	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°	8864.3	100.0
0°-180°	8864.3	100.0



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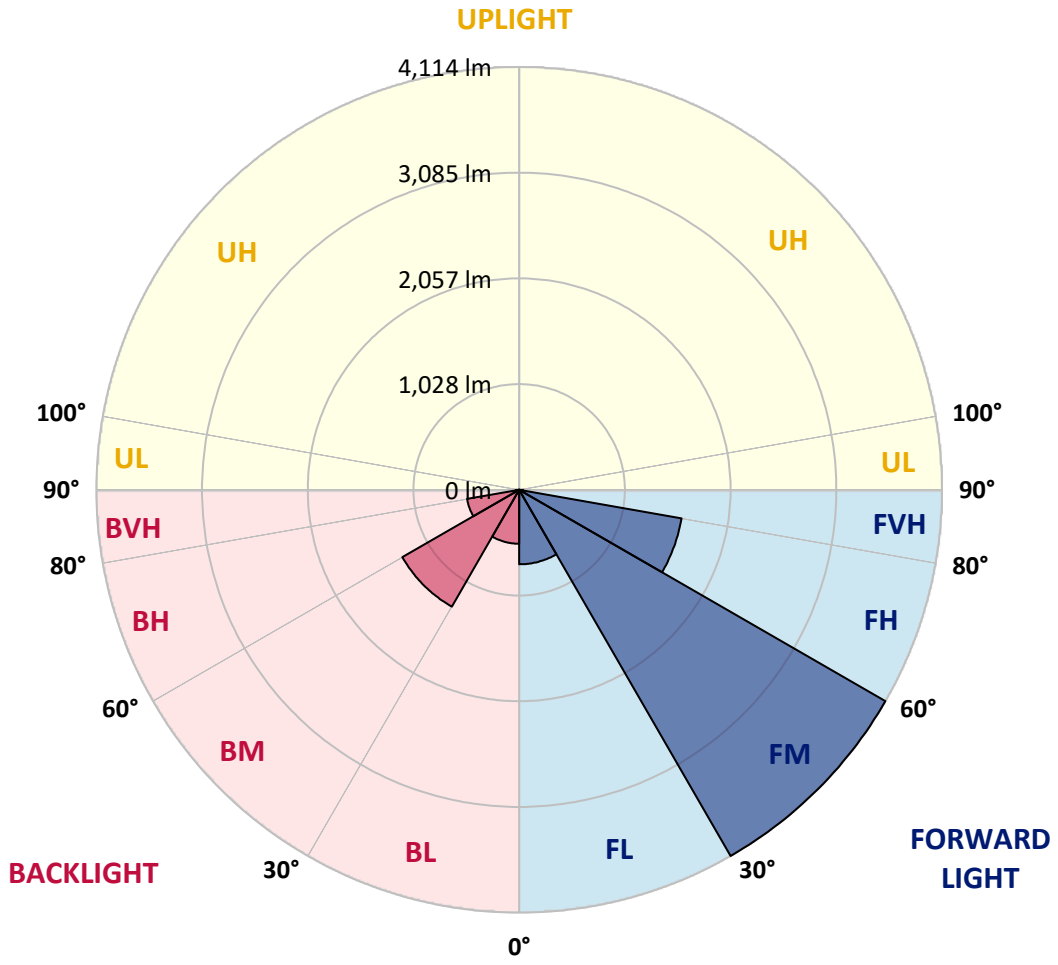
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	724.8	8.2			
FM	(30°-60°)	4114.0	46.4			
FH	(60°-80°)	1604.7	18.1			G1/1800
FVH	(80°-90°)	37.1	0.4			G1/100
BL	(0°-30°)	525.0	5.9	B2/1000		
BM	(30°-60°)	1312.6	14.8	B2/2500		
BH	(60°-80°)	514.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	31.7	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°	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2
2.5°	1454.5	1458.6	1452.5	1456.5	1456.5	1450.5	1448.4	1440.4	1444.4	1442.4	1440.4
5°	1488.9	1490.9	1486.8	1492.9	1492.9	1494.9	1492.9	1482.8	1482.8	1482.8	1478.8
7.5°	1478.8	1478.8	1480.8	1501.0	1521.2	1547.4	1547.4	1543.4	1547.4	1545.4	1527.2
10°	1393.9	1402.0	1420.2	1470.7	1519.2	1575.7	1614.1	1626.2	1626.2	1628.2	1597.9
12.5°	1242.4	1248.5	1290.9	1367.6	1468.7	1571.7	1664.6	1725.2	1731.3	1741.4	1701.0
15°	1107.0	1111.1	1141.4	1220.2	1335.3	1517.1	1692.9	1818.1	1838.3	1880.8	1820.2
17.5°	1119.2	1117.1	1125.2	1155.5	1238.4	1428.2	1686.8	1927.2	1963.6	2038.3	1985.8
20°	1191.9	1191.9	1198.0	1204.0	1234.3	1363.6	1642.4	2016.1	2086.8	2232.3	2171.7
22.5°	1307.0	1307.0	1305.0	1315.1	1315.1	1391.9	1644.4	2082.8	2187.8	2448.4	2389.8
25°	1466.6	1458.6	1458.6	1462.6	1444.4	1499.0	1694.9	2151.5	2288.8	2705.0	2654.5
27.5°	1646.4	1652.5	1648.4	1634.3	1610.1	1652.5	1816.1	2258.5	2402.0	2975.7	2955.5
30°	1842.4	1844.4	1848.4	1840.4	1820.2	1850.5	2006.0	2420.1	2551.5	3258.5	3302.9
32.5°	2034.3	2062.6	2052.5	2032.3	2040.4	2094.9	2240.3	2638.3	2773.7	3521.1	3678.7
35°	2278.7	2288.8	2329.2	2254.5	2256.5	2349.4	2539.3	2925.2	3056.5	3793.8	4054.4
37.5°	2634.3	2652.5	2634.3	2517.1	2498.9	2628.2	2830.2	3208.0	3302.9	3999.9	4403.9
40°	2983.8	3006.0	3036.3	2898.9	2783.8	2890.8	3105.0	3424.2	3523.1	4113.0	4636.3
42.5°	3272.6	3309.0	3276.7	3236.3	3131.2	3151.4	3296.9	3591.8	3690.8	4256.5	4870.6
45°	3517.1	3523.1	3537.3	3509.0	3456.5	3438.3	3460.5	3739.3	3848.4	4321.1	4985.7
47.5°	3618.1	3644.4	3656.5	3705.0	3759.5	3723.1	3599.9	3808.0	3907.0	4317.1	5022.1
50°	3563.5	3589.8	3654.5	3769.6	3900.9	3965.6	3763.5	3902.9	4014.0	4389.8	5096.8
52.5°	3420.1	3448.4	3553.4	3684.8	3905.0	4052.4	3993.8	4100.9	4208.0	4519.1	5222.1
55°	3072.7	3115.1	3262.5	3480.7	3783.7	4006.0	4236.3	4391.8	4509.0	4674.6	5351.4
57.5°	2567.6	2612.1	2777.7	3105.0	3559.5	3814.0	4307.0	4937.3	4989.8	4860.5	5363.5
60°	*1923.2*	*1959.5*	*2193.9*	*2456.5*	*2989.8*	*3462.5*	*4266.6*	*5454.4*	*5587.7*	*4828.2*	*4977.7*
62.5°	1523.2	1567.6	1775.7	1896.9	2278.7	2860.5	4125.2	5597.8	5713.0	4561.5	4440.3
65°	1189.9	1220.2	1414.1	1587.8	1680.8	1953.5	3535.3	4896.8	4999.9	4127.2	3664.6
67.5°	785.8	832.3	1062.6	1301.0	1349.5	1242.4	2432.3	3767.6	3816.1	3280.7	2755.5
70°	563.6	585.8	757.6	1012.1	1084.8	832.3	1325.2	2852.5	2866.6	2202.0	1856.5
72.5°	383.8	387.9	515.1	775.7	864.6	604.0	729.3	1878.7	1830.3	1086.8	1062.6
75°	260.6	264.6	329.3	517.2	612.1	420.2	474.7	1024.2	983.8	600.0	644.4
77.5°	175.8	179.8	226.3	347.5	408.1	290.9	347.5	541.4	531.3	398.0	345.4
80°	133.3	139.4	167.7	222.2	284.8	169.7	198.0	256.6	260.6	212.1	175.8
82.5°	74.7	82.8	101.0	113.1	183.8	94.9	94.9	153.5	147.5	131.3	94.9
85°	32.3	34.3	40.4	42.4	74.7	40.4	34.3	66.7	68.7	64.6	30.3
87.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.1	8.1	8.1	8.1
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°	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2
2.5°	1430.3	1442.4	1430.3	1424.2	1424.2	1414.1	1410.1	1410.1	1395.9	1402.0	1397.9
5°	1462.6	1466.6	1452.5	1434.3	1410.1	1389.9	1361.6	1325.2	1303.0	1301.0	1303.0
7.5°	1513.1	1515.1	1476.7	1436.3	1375.7	1303.0	1216.1	1145.4	1082.8	1072.7	1084.8
10°	1583.8	1579.8	1523.2	1428.2	1301.0	1147.4	1014.1	949.5	913.1	911.1	909.1
12.5°	1678.7	1652.5	1565.6	1393.9	1171.7	993.9	925.2	921.2	931.3	939.4	941.4
15°	1787.8	1753.5	1600.0	1327.2	1040.4	937.4	941.4	975.7	987.9	995.9	995.9
17.5°	1923.2	1878.7	1638.3	1232.3	973.7	949.5	977.8	1010.1	1030.3	1038.4	1036.3
20°	2103.0	2010.1	1668.6	1141.4	955.5	969.7	993.9	1026.2	1046.4	1056.5	1056.5
22.5°	2282.8	2167.6	1674.7	1078.8	955.5	971.7	993.9	1026.2	1048.5	1058.6	1056.5
25°	2527.2	2369.6	1676.7	1034.3	957.6	961.6	981.8	1010.1	1042.4	1052.5	1056.5
27.5°	2787.8	2591.9	1686.8	1024.2	949.5	947.5	961.6	987.9	1020.2	1046.4	1048.5
30°	3111.0	2842.4	1690.9	1034.3	951.5	925.2	935.3	961.6	995.9	1022.2	1030.3
32.5°	3428.2	3074.7	1682.8	1056.5	955.5	911.1	913.1	929.3	965.6	983.8	998.0
35°	3763.5	3321.1	1668.6	1086.8	957.6	905.0	886.8	894.9	919.2	921.2	927.3
37.5°	4026.2	3505.0	1626.2	1127.2	961.6	882.8	846.4	840.4	830.3	810.1	814.1
40°	4242.3	3628.2	1555.5	1147.4	951.5	856.5	795.9	767.7	729.3	699.0	705.0
42.5°	4397.9	3711.0	1470.7	1151.5	935.3	812.1	737.4	688.9	646.4	614.1	616.1
45°	4466.6	3702.9	1379.8	1121.2	896.9	757.6	682.8	636.3	589.9	555.5	551.5
47.5°	4468.6	3624.2	1254.5	1048.5	832.3	694.9	632.3	581.8	543.4	519.2	517.2
50°	4484.7	3579.7	1137.3	943.4	747.5	628.3	587.9	537.4	515.1	480.8	470.7
52.5°	4585.7	3652.4	1056.5	828.3	668.7	579.8	549.5	505.0	468.7	446.5	444.4
55°	4749.4	3777.7	1012.1	741.4	593.9	533.3	513.1	474.7	442.4	420.2	414.1
57.5°	4769.6	3842.3	959.6	660.6	533.3	497.0	488.9	446.5	400.0	383.8	377.8
60°	*4486.8*	*3733.2*	*894.9*	*585.8*	*488.9*	*468.7*	*464.6*	*408.1*	*369.7*	*349.5*	*341.4*
62.5°	4100.9	3460.5	795.9	517.2	454.5	440.4	424.2	379.8	331.3	309.1	303.0
65°	3351.4	2909.0	676.8	470.7	420.2	404.0	400.0	339.4	307.1	294.9	292.9
67.5°	2539.3	2337.3	595.9	436.4	383.8	377.8	363.6	343.4	329.3	315.1	311.1
70°	1795.9	1686.8	507.1	391.9	347.5	337.4	395.9	373.7	323.2	305.0	303.0
72.5°	1088.9	1058.6	438.4	351.5	299.0	315.1	365.6	337.4	290.9	268.7	260.6
75°	686.9	628.3	367.7	299.0	238.4	256.6	319.2	301.0	250.5	228.3	222.2
77.5°	373.7	347.5	276.8	244.4	187.9	208.1	278.8	248.5	200.0	218.2	193.9
80°	163.6	181.8	183.8	141.4	125.2	153.5	200.0	193.9	153.5	155.6	129.3
82.5°	78.8	103.0	119.2	97.0	70.7	90.9	133.3	111.1	103.0	97.0	92.9
85°	24.2	38.4	52.5	46.5	32.3	38.4	62.6	60.6	72.7	62.6	58.6
87.5°	8.1	8.1	6.1	6.1	6.1	8.1	10.1	6.1	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°	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2
2.5°	1395.9	1397.9	1397.9	1400.0	1400.0	1406.0	1414.1	1422.2	1416.1	1424.2	1426.2
5°	1299.0	1309.1	1317.1	1347.4	1371.7	1391.9	1414.1	1434.3	1440.4	1444.4	1454.5
7.5°	1070.7	1099.0	1151.5	1220.2	1296.9	1371.7	1422.2	1474.7	1482.8	1492.9	1507.0
10°	911.1	923.2	959.6	1030.3	1167.6	1315.1	1438.3	1521.2	1555.5	1575.7	1589.9
12.5°	937.4	929.3	923.2	933.3	1022.2	1212.1	1428.2	1587.8	1652.5	1674.7	1692.9
15°	1000.0	991.9	969.7	941.4	951.5	1103.0	1393.9	1650.5	1753.5	1789.9	1828.2
17.5°	1036.3	1028.3	1010.1	979.8	953.5	1012.1	1329.3	1707.0	1913.1	1957.5	2012.1
20°	1056.5	1048.5	1030.3	1000.0	969.7	977.8	1246.4	1777.7	2094.9	2165.6	2246.4
22.5°	1060.6	1050.5	1030.3	1000.0	981.8	975.7	1167.6	1820.2	2290.9	2399.9	2492.9
25°	1058.6	1040.4	1014.1	991.9	981.8	979.8	1113.1	1844.4	2503.0	2676.7	2781.8
27.5°	1044.4	1022.2	995.9	979.8	975.7	987.9	1088.9	1872.7	2751.4	2973.7	3141.3
30°	1028.3	995.9	963.6	957.6	967.7	1006.0	1109.1	1882.8	3012.0	3296.9	3468.6
32.5°	985.8	961.6	929.3	927.3	951.5	1020.2	1155.5	1868.6	3242.3	3620.1	3836.3
35°	925.2	911.1	892.9	899.0	937.4	1032.3	1187.8	1824.2	3452.4	3921.1	4173.6
37.5°	818.2	828.3	838.4	852.5	901.0	1030.3	1202.0	1753.5	3626.2	4161.5	4484.7
40°	699.0	733.3	765.6	802.0	866.6	1014.1	1206.0	1666.6	3727.2	4343.3	4761.5
42.5°	624.2	656.5	697.0	749.5	820.2	977.8	1202.0	1569.7	3759.5	4468.6	4937.3
45°	555.5	593.9	644.4	699.0	779.8	925.2	1165.6	1464.6	3775.7	4527.2	5012.0
47.5°	519.2	541.4	587.9	642.4	727.3	860.6	1094.9	1387.8	3751.4	4539.3	5102.9
50°	476.8	507.1	537.4	589.9	672.7	779.8	1010.1	1343.4	3791.8	4658.5	5246.3
52.5°	444.4	460.6	492.9	541.4	602.0	705.0	929.3	1307.0	3902.9	4779.7	5395.8
55°	420.2	438.4	458.6	499.0	545.4	630.3	846.4	1252.5	4032.2	4909.0	5545.3
57.5°	381.8	393.9	422.2	464.6	494.9	557.6	749.5	1187.8	4022.1	4808.0	5286.7
60°	*347.5*	*359.6*	*389.9*	*432.3*	*450.5*	*492.9*	*654.5*	*1105.0*	*3828.2*	*4478.7*	*4810.0*
62.5°	309.1	323.2	359.6	389.9	406.1	438.4	555.5	953.5	3424.2	3983.7	4252.4
65°	292.9	301.0	325.2	361.6	359.6	389.9	468.7	749.5	2755.5	3044.4	3288.8
67.5°	311.1	323.2	319.2	329.3	323.2	339.4	420.2	602.0	2165.6	2292.9	2434.3
70°	307.1	335.3	349.5	329.3	282.8	301.0	363.6	480.8	1549.5	1537.3	1531.3
72.5°	268.7	297.0	337.4	357.6	276.8	250.5	315.1	416.2	993.9	989.9	894.9
75°	228.3	248.5	297.0	323.2	238.4	202.0	270.7	353.5	593.9	602.0	537.4
77.5°	210.1	200.0	248.5	284.8	193.9	155.6	218.2	266.7	327.3	331.3	307.1
80°	151.5	145.5	185.9	208.1	147.5	111.1	123.2	165.7	175.8	157.6	163.6
82.5°	97.0	99.0	111.1	133.3	90.9	60.6	84.8	111.1	94.9	76.8	90.9
85°	62.6	70.7	58.6	68.7	28.3	28.3	36.4	48.5	32.3	22.2	24.2
87.5°	0.0	0.0	4.0	8.1	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

REPORT NUMBER: P1501568
CATALOG NUMBER: GSS-SB1D-840-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1426.2	1426.2	*1426.2*	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2	1426.2
2.5°	1432.3	1430.3	*1430.3*	1434.3	1444.4	1448.4	1454.5	1452.5	1458.6	1454.5
5°	1460.6	1462.6	*1468.7*	1470.7	1476.7	1484.8	1486.8	1484.8	1488.9	1488.9
7.5°	1517.1	1525.2	*1521.2*	1531.3	1523.2	1513.1	1496.9	1484.8	1474.7	1478.8
10°	1612.1	1608.0	*1606.0*	1587.8	1551.5	1499.0	1456.5	1410.1	1402.0	1393.9
12.5°	1717.1	1713.1	*1713.1*	1650.5	1547.4	1438.3	1341.4	1268.7	1244.4	1242.4
15°	1864.6	1838.3	*1814.1*	1682.8	1476.7	1290.9	1177.7	1121.2	1107.0	1107.0
17.5°	2048.4	1979.7	*1939.3*	1658.5	1361.6	1193.9	1127.2	1113.1	1109.1	1119.2
20°	2276.7	2103.0	*2044.4*	1604.0	1319.2	1206.0	1173.7	1175.7	1177.7	1191.9
22.5°	2527.2	2216.1	*2119.1*	1604.0	1361.6	1282.8	1266.6	1288.9	1294.9	1307.0
25°	2806.0	2317.1	*2185.8*	1688.8	1486.8	1428.2	1408.0	1430.3	1446.4	1466.6
27.5°	3119.1	2422.2	*2301.0*	1842.4	1648.4	1612.1	1589.9	1600.0	1622.2	1646.4
30°	3399.9	2597.9	*2476.7*	2076.7	1868.6	1824.2	1785.8	1802.0	1826.2	1842.4
32.5°	3648.4	2812.1	*2709.0*	2323.2	2121.2	2044.4	2002.0	1997.9	2046.4	2034.3
35°	3876.7	3064.6	*2965.6*	2604.0	2377.7	2282.8	2226.2	2298.9	2266.6	2278.7
37.5°	4056.5	3327.2	*3248.4*	2872.7	2644.4	2515.1	2480.7	2569.6	2620.1	2634.3
40°	4203.9	3555.5	*3472.6*	3139.3	2888.8	2793.9	2848.4	2995.9	2989.8	2983.8
42.5°	4317.1	3751.4	*3660.5*	3341.3	3123.2	3141.3	3183.8	3282.7	3307.0	3272.6
45°	4367.6	3874.7	*3801.9*	3500.9	3389.8	3494.9	3513.0	3555.5	3539.3	3517.1
47.5°	4426.2	3983.7	*3907.0*	3646.4	3678.7	3781.7	3745.4	3711.0	3652.4	3618.1
50°	4525.1	4113.0	*4048.4*	3858.5	3975.7	3941.3	3799.9	3723.1	3604.0	3563.5
52.5°	4713.0	4357.5	*4309.0*	4193.8	4115.1	3917.1	3745.4	3608.0	3474.7	3420.1
55°	4880.7	4688.8	*4660.5*	4507.0	4072.6	3789.8	3559.5	3347.4	3119.1	3072.7
57.5°	4977.7	5238.3	*5270.6*	4640.3	3878.7	3500.9	3161.5	2822.2	2606.0	2567.6
60°	*4688.8*	*5832.2*	*5848.3*	*4614.0*	*3529.2*	*2979.7*	*2462.6*	*2222.2*	*1989.9*	*1923.2*
62.5°	4290.8	5709.0	*5694.8*	4456.5	2810.0	2173.7	1870.7	1757.5	1577.7	1523.2
65°	3688.8	4755.4	*4771.6*	3850.4	1868.6	1571.7	1571.7	1428.2	1228.3	1189.9
67.5°	3006.0	3666.6	*3630.2*	2496.9	1147.4	1258.6	1319.2	1113.1	832.3	785.8
70°	1953.5	2799.9	*2749.4*	1440.4	721.2	1048.5	1038.4	836.3	595.9	563.6
72.5°	840.4	1618.1	*1721.2*	735.3	543.4	844.4	828.3	585.8	398.0	383.8
75°	507.1	814.1	*886.8*	468.7	395.9	636.3	573.7	371.7	270.7	260.6
77.5°	321.2	446.5	*442.4*	351.5	297.0	430.3	385.8	256.6	183.8	175.8
80°	185.9	220.2	*228.3*	220.2	200.0	307.1	246.5	185.9	143.4	133.3
82.5°	119.2	137.4	*139.4*	107.1	111.1	198.0	133.3	109.1	82.8	74.7
85°	52.5	58.6	*56.6*	36.4	36.4	80.8	46.5	44.4	32.3	32.3
87.5°	2.0	4.0	*2.0*	2.0	2.0	8.1	4.0	6.1	6.1	6.1
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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

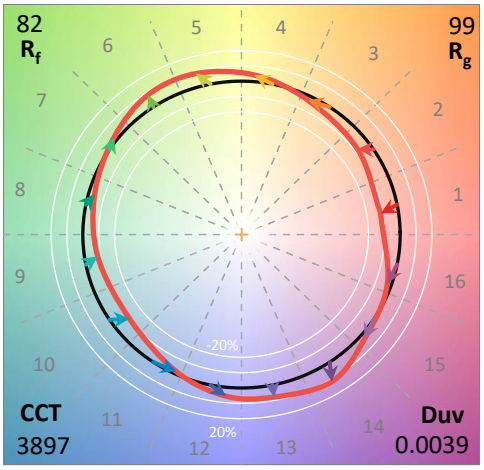
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
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-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

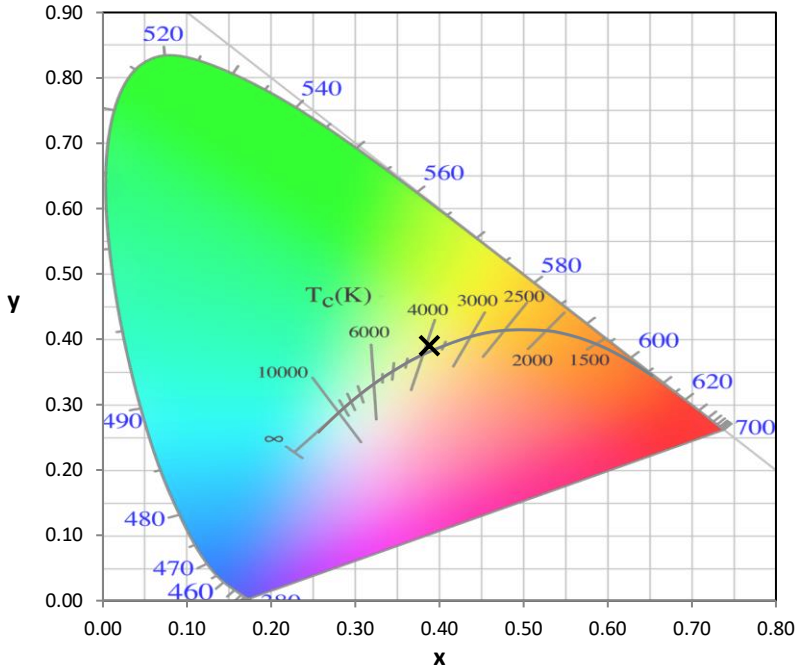
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

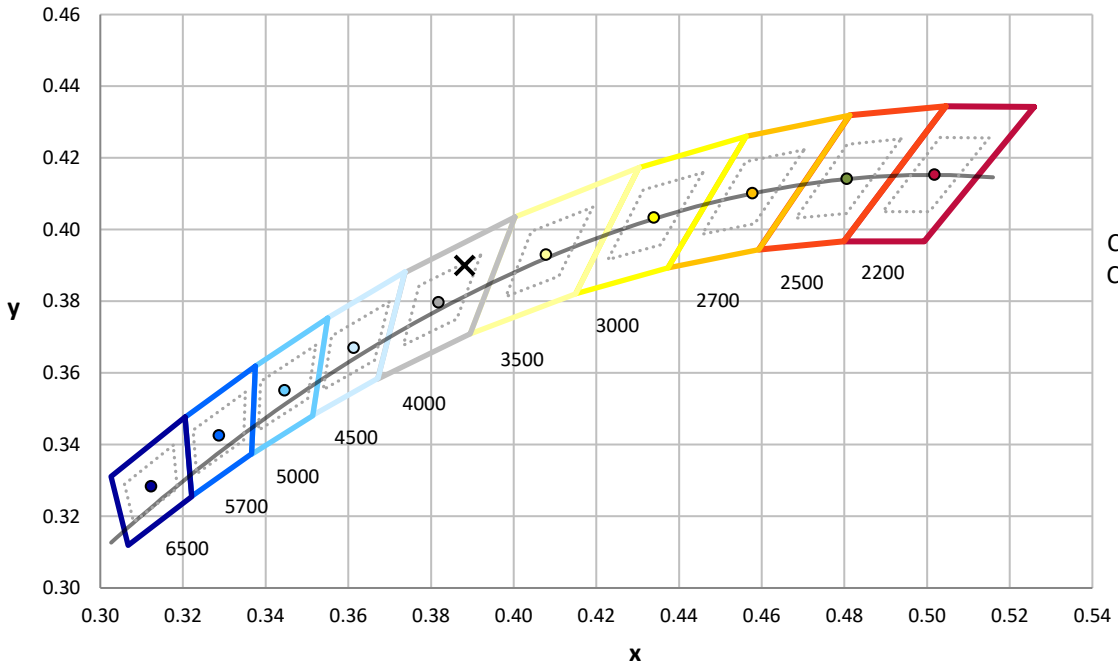
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

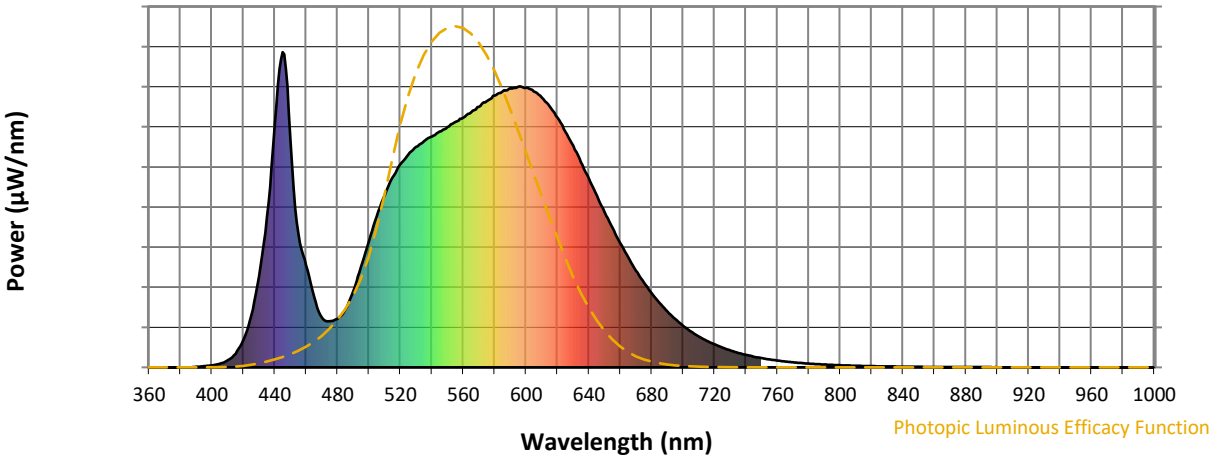


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

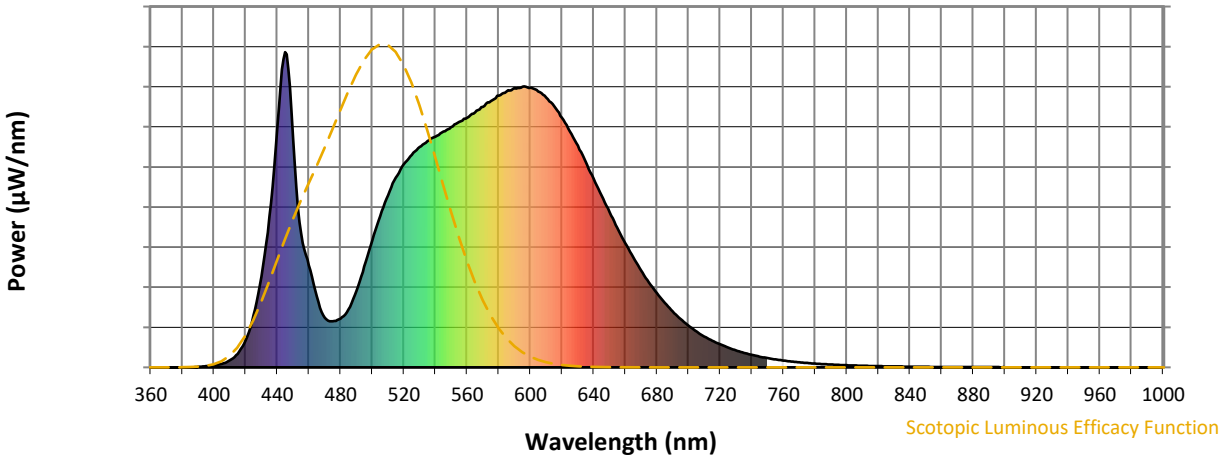


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

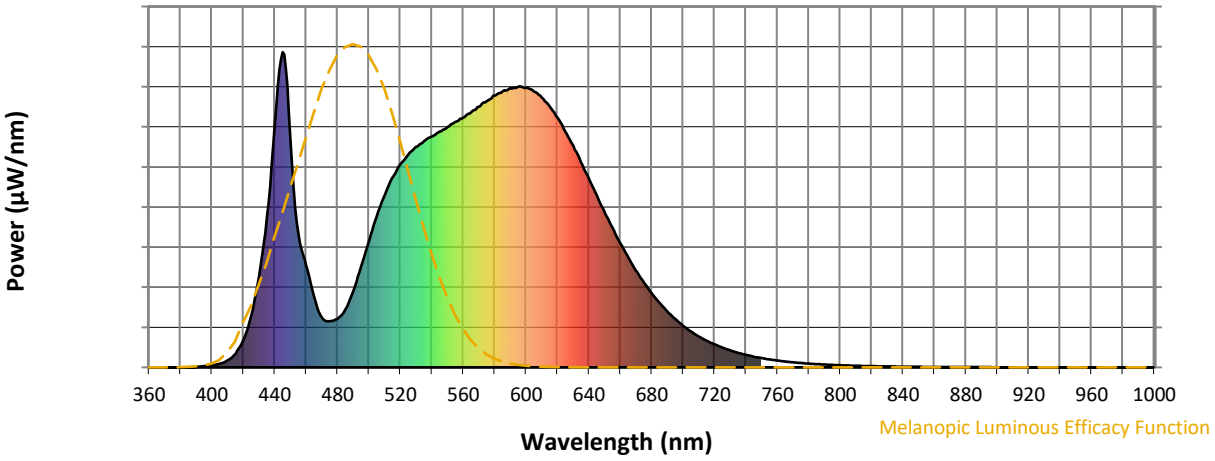


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

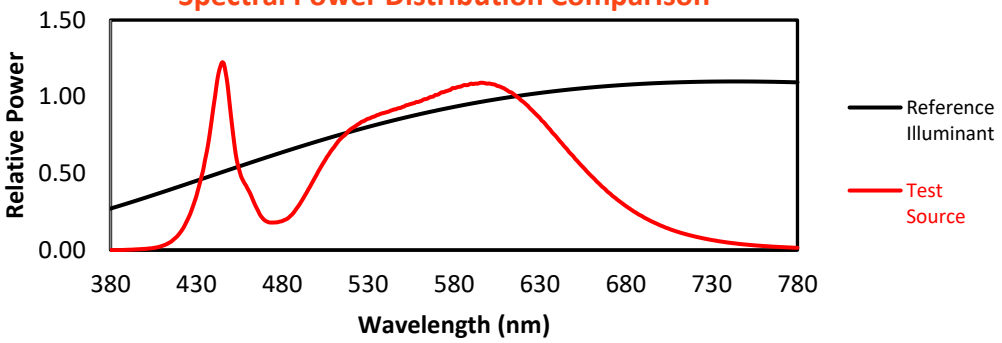
REPORT NUMBER: SP1-2407-184-11

TM-30-18

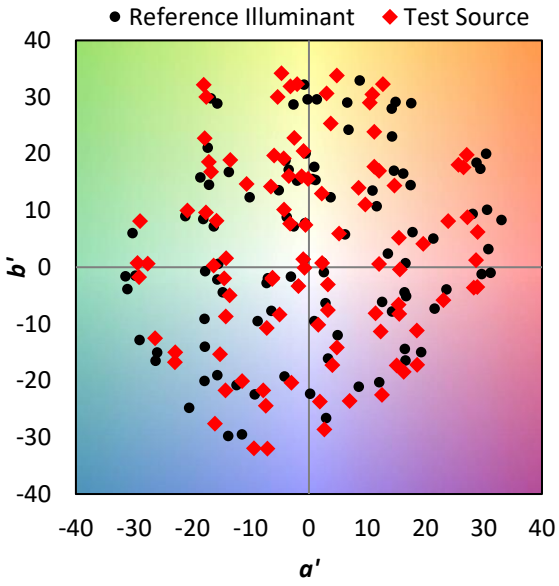
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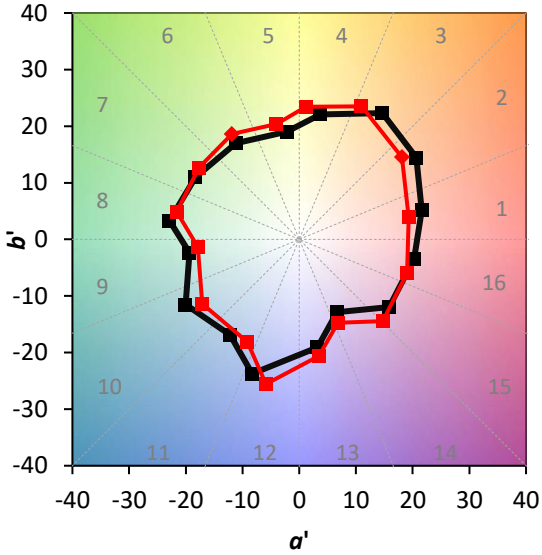
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

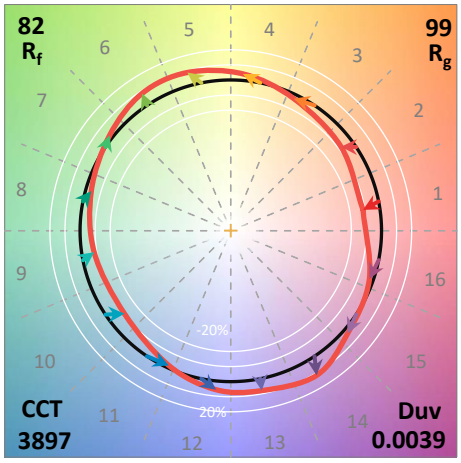
Spectral Power Distribution Comparison

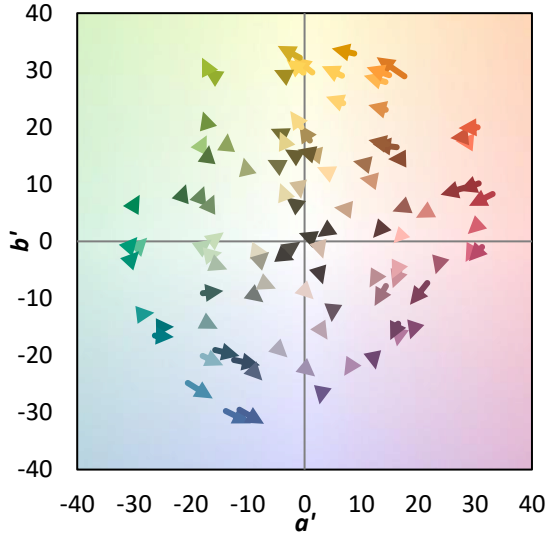


Color Vector Graphics







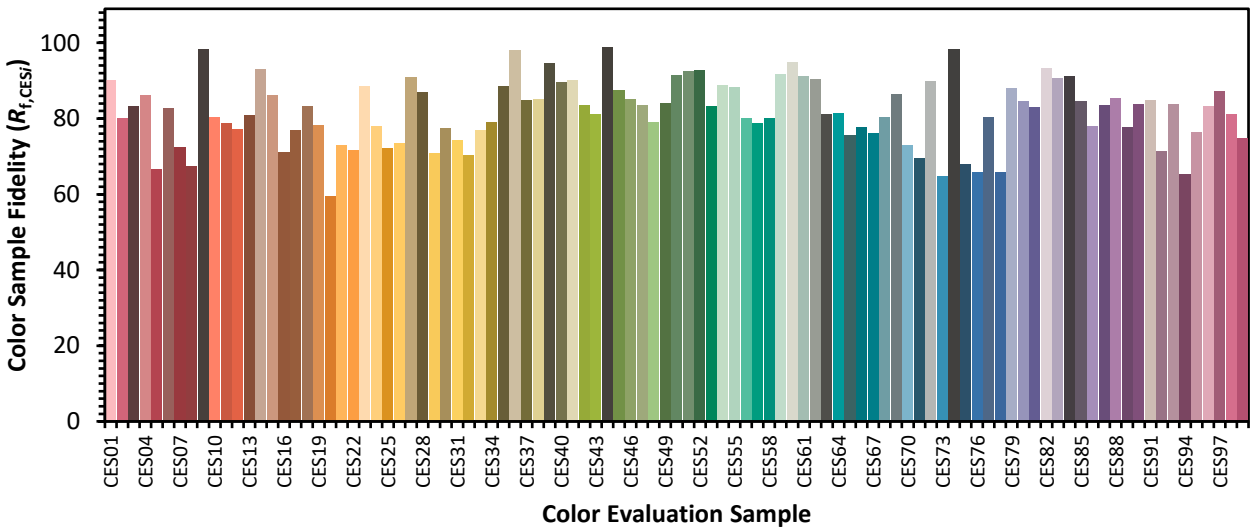


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Individual Sample Fidelity Index ($R_{f,i}$)

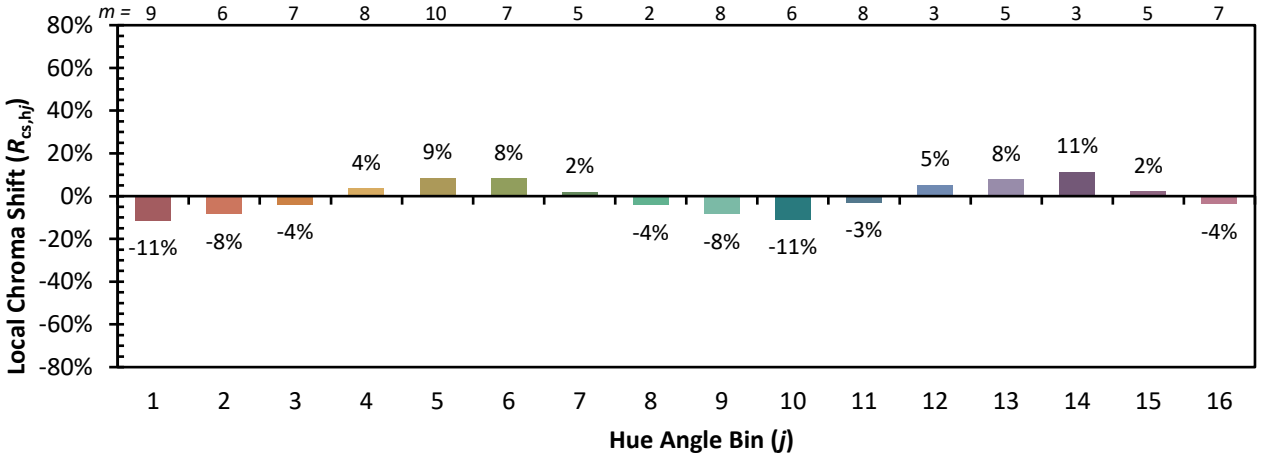
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

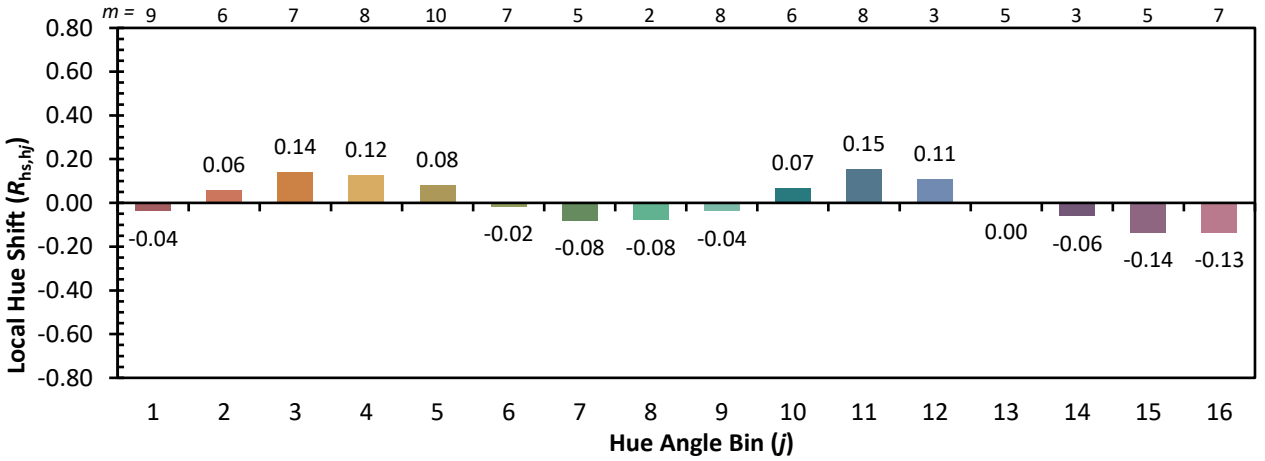


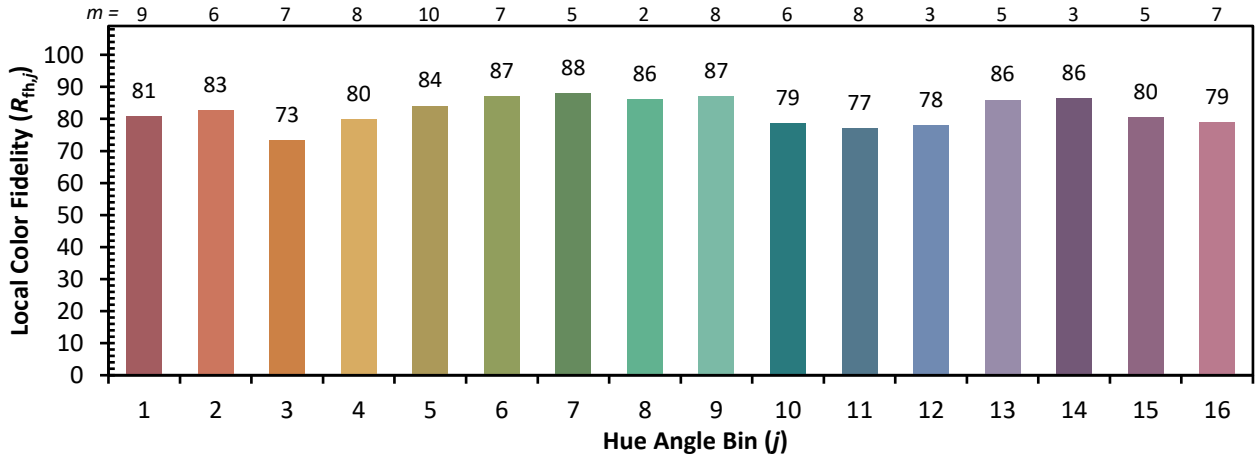
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Color Rendition by Hue-Angle Bin



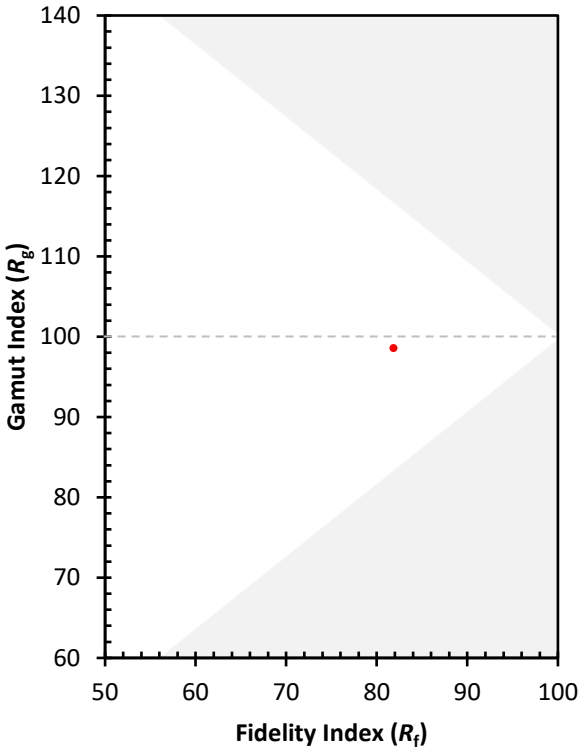


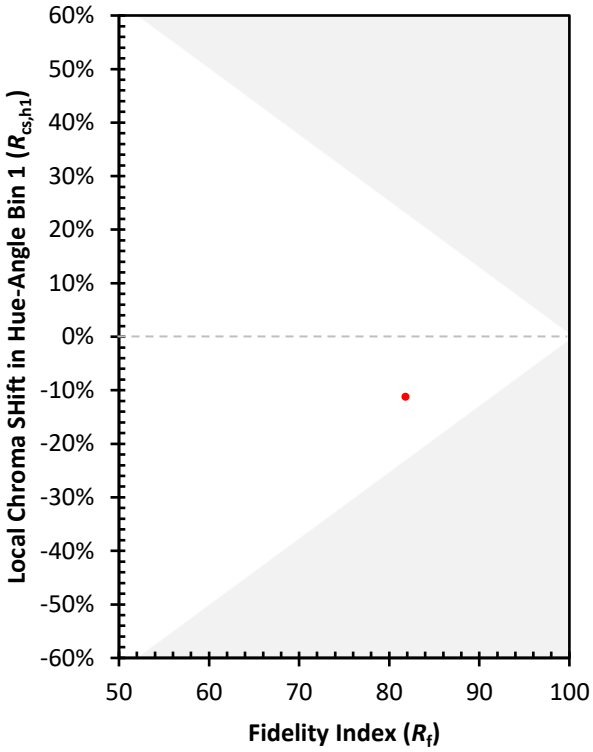


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Measure Comparisons





(END OF REPORT)