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: P1501376

Luminaire Tested: GSS-SB1D-727-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:	P1501376
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-727-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8599.6 lumens
Efficiency:	N/A
Efficacy:	113.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

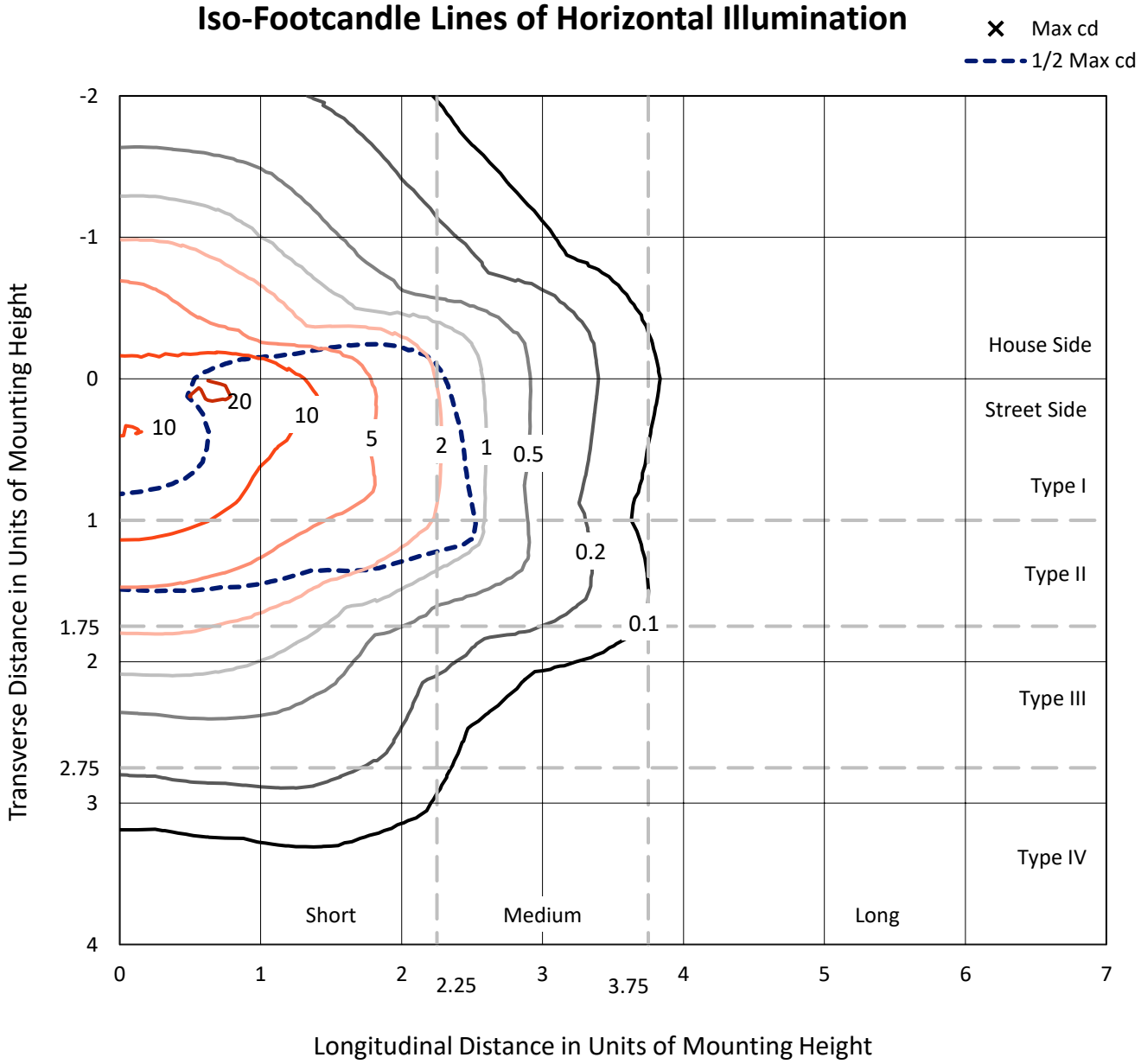
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



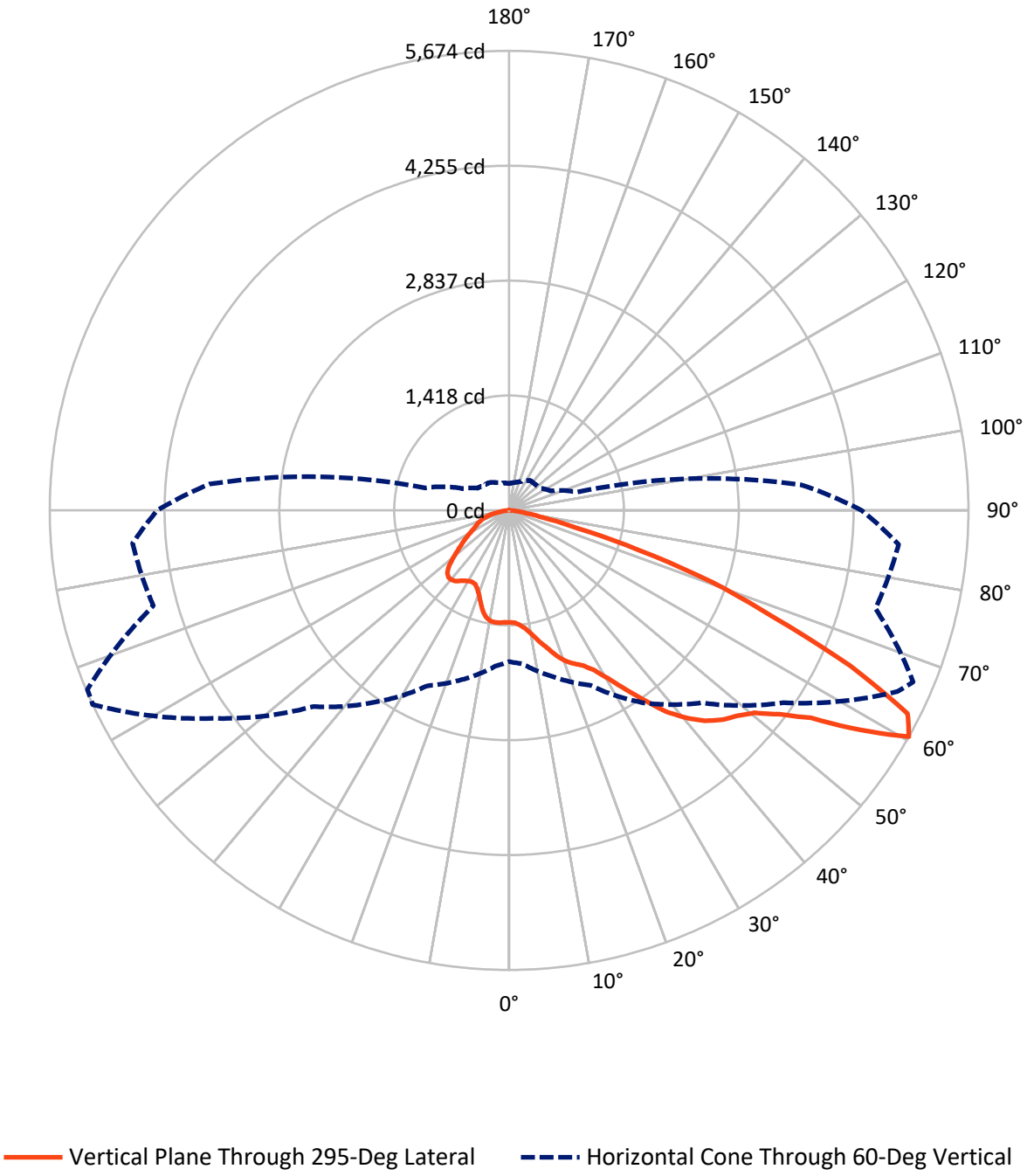
Based on 10 foot mounting height. Maximum calculated value = 20.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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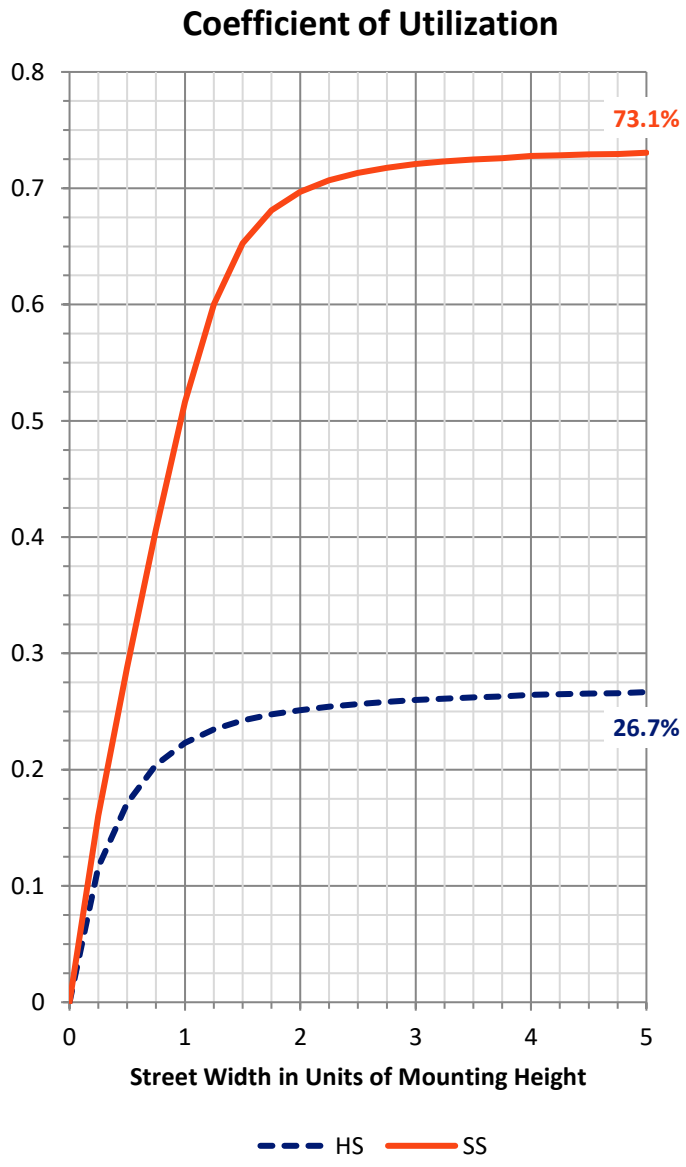
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2312.5	0.0	2312.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6287.0	0.0	6287.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	8599.6	0.0	8599.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	1.5
10°-20°	374.0	4.3
20°-30°	708.4	8.2
30°-40°	1248.8	14.5
40°-50°	1846.9	21.5
50°-60°	2168.7	25.2
60°-70°	1571.4	18.3
70°-80°	484.6	5.6
80°-90°	66.7	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°	8599.6	100.0
0°-180°	8599.6	100.0



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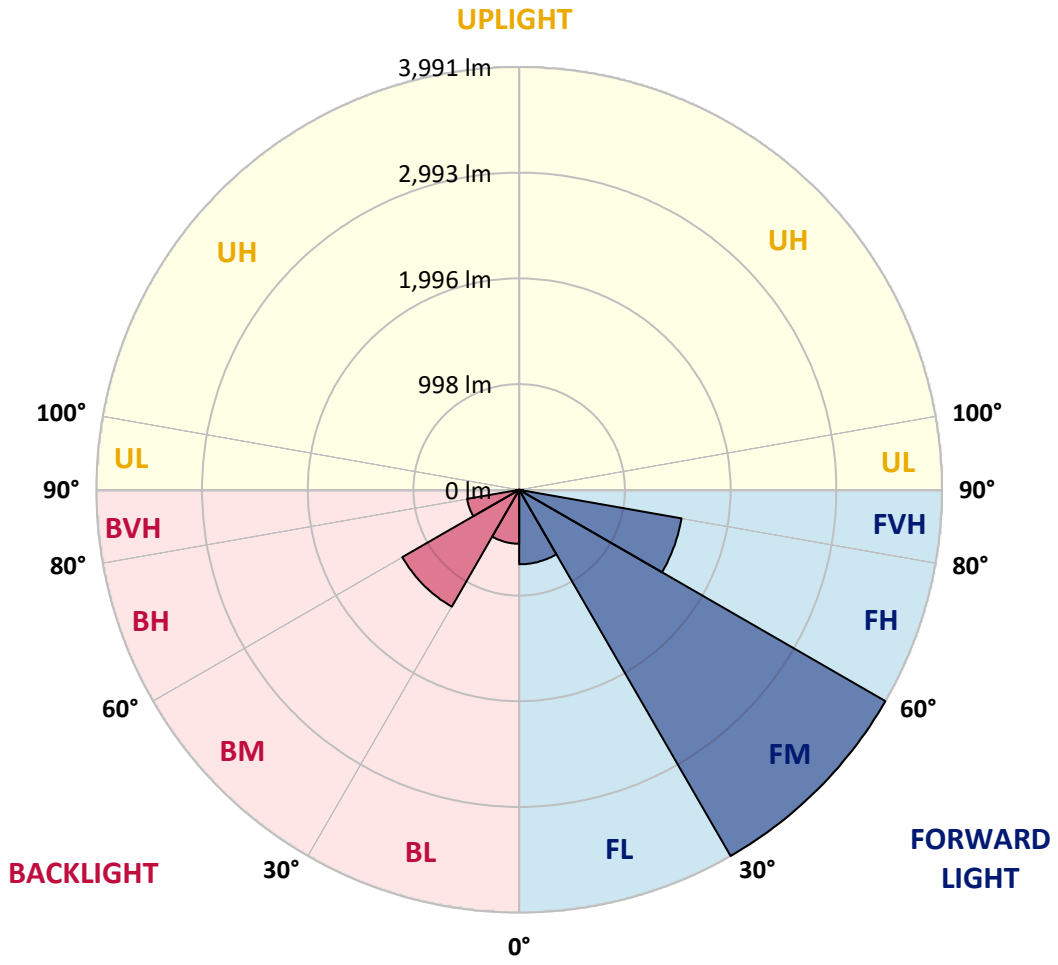
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	703.2	8.2			
FM	(30°-60°)	3991.1	46.4			
FH	(60°-80°)	1556.8	18.1			G1/1800
FVH	(80°-90°)	36.0	0.4			G1/100
BL	(0°-30°)	509.3	5.9	B2/1000		
BM	(30°-60°)	1273.4	14.8	B2/2500		
BH	(60°-80°)	499.2	5.8	B1/500		G1/500
BVH	(80°-90°)	30.7	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6
2.5°	1411.1	1415.0	1409.1	1413.0	1413.0	1407.1	1405.2	1397.3	1401.3	1399.3	1397.3
5°	1444.4	1446.3	1442.4	1448.3	1448.3	1450.3	1448.3	1438.5	1438.5	1438.5	1434.6
7.5°	1434.6	1434.6	1436.5	1456.1	1475.7	1501.2	1501.2	1497.3	1501.2	1499.3	1481.6
10°	1352.3	1360.1	1377.8	1426.7	1473.8	1528.7	1565.9	1577.7	1577.7	1579.6	1550.2
12.5°	1205.3	1211.2	1252.3	1326.8	1424.8	1524.7	1614.9	1673.7	1679.6	1689.4	1650.2
15°	1074.0	1077.9	1107.3	1183.7	1295.4	1471.8	1642.3	1763.8	1783.4	1824.6	1765.8
17.5°	1085.7	1083.8	1091.6	1121.0	1201.4	1385.6	1636.4	1869.7	1904.9	1977.5	1926.5
20°	1156.3	1156.3	1162.2	1168.1	1197.4	1322.9	1593.3	1955.9	2024.5	2165.6	2106.8
22.5°	1268.0	1268.0	1266.0	1275.8	1275.8	1350.3	1595.3	2020.6	2122.5	2375.3	2318.5
25°	1422.8	1415.0	1415.0	1418.9	1401.3	1454.2	1644.3	2087.2	2220.5	2624.2	2575.2
27.5°	1597.3	1603.1	1599.2	1585.5	1562.0	1603.1	1761.9	2191.1	2330.2	2886.8	2867.2
30°	1787.4	1789.3	1793.2	1785.4	1765.8	1795.2	1946.1	2347.9	2475.2	3161.2	3204.3
32.5°	1973.5	2001.0	1991.2	1971.6	1979.4	2032.3	2173.4	2559.5	2690.8	3416.0	3568.8
35°	2210.7	2220.5	2259.7	2187.2	2189.1	2279.3	2463.5	2837.8	2965.2	3680.5	3933.4
37.5°	2555.6	2573.2	2555.6	2441.9	2424.3	2549.7	2745.7	3112.2	3204.3	3880.4	4272.4
40°	2894.6	2916.2	2945.6	2812.3	2700.6	2804.5	3012.2	3321.9	3417.9	3990.2	4497.8
42.5°	3174.9	3210.2	3178.8	3139.6	3037.7	3057.3	3198.4	3484.6	3580.6	4129.3	4725.1
45°	3412.0	3417.9	3431.6	3404.2	3353.2	3335.6	3357.2	3627.6	3733.4	4192.0	4836.8
47.5°	3510.0	3535.5	3547.3	3594.3	3647.2	3611.9	3492.4	3694.3	3790.3	4188.1	4872.1
50°	3457.1	3482.6	3545.3	3657.0	3784.4	3847.1	3651.1	3786.4	3894.2	4258.7	4944.6
52.5°	3318.0	3345.4	3447.3	3574.7	3788.3	3931.4	3874.6	3978.4	4082.3	4384.1	5066.1
55°	2980.9	3022.0	3165.1	3376.8	3670.7	3886.3	4109.7	4260.6	4374.3	4535.0	5191.6
57.5°	2490.9	2534.0	2694.7	3012.2	3453.2	3700.1	4178.3	4789.8	4840.7	4715.3	5203.3
60°	*1865.7*	*1901.0*	*2128.4*	*2383.1*	*2900.5*	*3359.1*	*4139.1*	*5291.5*	*5420.9*	*4684.0*	*4829.0*
62.5°	1477.7	1520.8	1722.7	1840.3	2210.7	2775.1	4001.9	5430.7	5542.4	4425.3	4307.7
65°	1154.3	1183.7	1371.9	1540.4	1630.6	1895.1	3429.7	4750.6	4850.5	4003.9	3555.1
67.5°	762.4	807.4	1030.9	1262.1	1309.2	1205.3	2359.6	3655.1	3702.1	3182.7	2673.2
70°	546.8	568.3	734.9	981.9	1052.4	807.4	1285.6	2767.3	2781.0	2136.2	1801.1
72.5°	372.4	376.3	499.8	752.6	838.8	586.0	707.5	1822.6	1775.6	1054.4	1030.9
75°	252.8	256.7	319.5	501.7	593.8	407.6	460.6	993.6	954.4	582.1	625.2
77.5°	170.5	174.4	219.5	337.1	395.9	282.2	337.1	525.2	515.4	386.1	335.1
80°	129.3	135.2	162.7	215.6	276.3	164.6	192.1	248.9	252.8	205.8	170.5
82.5°	72.5	80.4	98.0	109.7	178.3	92.1	92.1	148.9	143.1	127.4	92.1
85°	31.4	33.3	39.2	41.2	72.5	39.2	33.3	64.7	66.6	62.7	29.4
87.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8	7.8	7.8
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°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6
2.5°	1387.5	1399.3	1387.5	1381.7	1381.7	1371.9	1368.0	1368.0	1354.2	1360.1	1356.2
5°	1418.9	1422.8	1409.1	1391.5	1368.0	1348.4	1320.9	1285.6	1264.1	1262.1	1264.1
7.5°	1467.9	1469.9	1432.6	1393.4	1334.6	1264.1	1179.8	1111.2	1050.5	1040.7	1052.4
10°	1536.5	1532.6	1477.7	1385.6	1262.1	1113.2	983.8	921.1	885.8	883.9	881.9
12.5°	1628.6	1603.1	1518.9	1352.3	1136.7	964.2	897.6	893.7	903.5	911.3	913.3
15°	1734.4	1701.1	1552.2	1287.6	1009.3	909.4	913.3	946.6	958.4	966.2	966.2
17.5°	1865.7	1822.6	1589.4	1195.5	944.6	921.1	948.6	979.9	999.5	1007.3	1005.4
20°	2040.2	1950.0	1618.8	1107.3	927.0	940.7	964.2	995.6	1015.2	1025.0	1025.0
22.5°	2214.6	2102.9	1624.7	1046.5	927.0	942.7	964.2	995.6	1017.1	1026.9	1025.0
25°	2451.7	2298.9	1626.6	1003.4	929.0	932.9	952.5	979.9	1011.3	1021.1	1025.0
27.5°	2704.5	2514.4	1636.4	993.6	921.1	919.2	932.9	958.4	989.7	1015.2	1017.1
30°	3018.1	2757.5	1640.4	1003.4	923.1	897.6	907.4	932.9	966.2	991.7	999.5
32.5°	3325.8	2982.8	1632.5	1025.0	927.0	883.9	885.8	901.5	936.8	954.4	968.1
35°	3651.1	3221.9	1618.8	1054.4	929.0	878.0	860.4	868.2	891.7	893.7	899.6
37.5°	3905.9	3400.3	1577.7	1093.6	932.9	856.4	821.2	815.3	805.5	785.9	789.8
40°	4115.6	3519.8	1509.1	1113.2	923.1	831.0	772.2	744.7	707.5	678.1	684.0
42.5°	4266.5	3600.2	1426.7	1117.1	907.4	787.8	715.3	668.3	627.1	595.8	597.7
45°	4333.2	3592.3	1338.6	1087.7	870.2	734.9	662.4	617.3	572.3	538.9	535.0
47.5°	4335.1	3515.9	1217.0	1017.1	807.4	674.2	613.4	564.4	527.2	503.7	501.7
50°	4350.8	3472.8	1103.4	915.2	725.1	609.5	570.3	521.3	499.8	466.4	456.6
52.5°	4448.8	3543.3	1025.0	803.5	648.7	562.5	533.1	490.0	454.7	433.1	431.2
55°	4607.5	3664.9	981.9	719.3	576.2	517.4	497.8	460.6	429.2	407.6	401.8
57.5°	4627.1	3727.6	930.9	640.9	517.4	482.1	474.3	433.1	388.0	372.4	366.5
60°	*4352.8*	*3621.7*	*868.2*	*568.3*	*474.3*	*454.7*	*450.8*	*395.9*	*358.6*	*339.0*	*331.2*
62.5°	3978.4	3357.2	772.2	501.7	441.0	427.2	411.6	368.4	321.4	299.9	294.0
65°	3251.3	2822.1	656.5	456.6	407.6	392.0	388.0	329.2	297.9	286.1	284.2
67.5°	2463.5	2267.5	578.1	423.3	372.4	366.5	352.8	333.2	319.5	305.7	301.8
70°	1742.3	1636.4	491.9	380.2	337.1	327.3	384.1	362.6	313.6	295.9	294.0
72.5°	1056.3	1026.9	425.3	341.0	290.1	305.7	354.7	327.3	282.2	260.7	252.8
75°	666.3	609.5	356.7	290.1	231.3	248.9	309.7	292.0	243.0	221.5	215.6
77.5°	362.6	337.1	268.5	237.1	182.3	201.9	270.5	241.1	194.0	211.7	188.1
80°	158.7	176.4	178.3	137.2	121.5	148.9	194.0	188.1	148.9	150.9	125.4
82.5°	76.4	100.0	115.6	94.1	68.6	88.2	129.3	107.8	100.0	94.1	90.2
85°	23.5	37.2	51.0	45.1	31.4	37.2	60.8	58.8	70.6	60.8	56.8
87.5°	7.8	7.8	5.9	5.9	5.9	7.8	9.8	5.9	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°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6
2.5°	1354.2	1356.2	1356.2	1358.2	1358.2	1364.0	1371.9	1379.7	1373.8	1381.7	1383.6
5°	1260.2	1270.0	1277.8	1307.2	1330.7	1350.3	1371.9	1391.5	1397.3	1401.3	1411.1
7.5°	1038.7	1066.1	1117.1	1183.7	1258.2	1330.7	1379.7	1430.7	1438.5	1448.3	1462.0
10°	883.9	895.6	930.9	999.5	1132.8	1275.8	1395.4	1475.7	1509.1	1528.7	1542.4
12.5°	909.4	901.5	895.6	905.4	991.7	1175.9	1385.6	1540.4	1603.1	1624.7	1642.3
15°	970.1	962.3	940.7	913.3	923.1	1070.1	1352.3	1601.2	1701.1	1736.4	1773.6
17.5°	1005.4	997.5	979.9	950.5	925.0	981.9	1289.6	1656.0	1855.9	1899.1	1952.0
20°	1025.0	1017.1	999.5	970.1	940.7	948.6	1209.2	1724.6	2032.3	2100.9	2179.3
22.5°	1028.9	1019.1	999.5	970.1	952.5	946.6	1132.8	1765.8	2222.4	2328.3	2418.4
25°	1026.9	1009.3	983.8	962.3	952.5	950.5	1079.9	1789.3	2428.2	2596.8	2698.7
27.5°	1013.2	991.7	966.2	950.5	946.6	958.4	1056.3	1816.7	2669.3	2884.8	3047.5
30°	997.5	966.2	934.8	929.0	938.8	976.0	1075.9	1826.5	2922.1	3198.4	3365.0
32.5°	956.4	932.9	901.5	899.6	923.1	989.7	1121.0	1812.8	3145.5	3512.0	3721.7
35°	897.6	883.9	866.2	872.1	909.4	1001.5	1152.4	1769.7	3349.3	3804.0	4049.0
37.5°	793.7	803.5	813.3	827.0	874.1	999.5	1166.1	1701.1	3517.9	4037.2	4350.8
40°	678.1	711.4	742.8	778.0	840.8	983.8	1170.0	1616.8	3615.9	4213.6	4619.3
42.5°	605.6	636.9	676.1	727.1	795.7	948.6	1166.1	1522.8	3647.2	4335.1	4789.8
45°	538.9	576.2	625.2	678.1	756.5	897.6	1130.8	1420.9	3662.9	4391.9	4862.3
47.5°	503.7	525.2	570.3	623.2	705.5	834.9	1062.2	1346.4	3639.4	4403.7	4950.5
50°	462.5	491.9	521.3	572.3	652.6	756.5	979.9	1303.3	3678.6	4519.3	5089.6
52.5°	431.2	446.8	478.2	525.2	584.0	684.0	901.5	1268.0	3786.4	4636.9	5234.7
55°	407.6	425.3	444.9	484.1	529.2	611.5	821.2	1215.1	3911.8	4762.4	5379.7
57.5°	370.4	382.2	409.6	450.8	480.2	540.9	727.1	1152.4	3902.0	4664.4	5128.8
60°	*337.1*	*348.8*	*378.2*	*419.4*	*437.0*	*478.2*	*635.0*	*1072.0*	*3713.9*	*4344.9*	*4666.3*
62.5°	299.9	313.6	348.8	378.2	393.9	425.3	538.9	925.0	3321.9	3864.8	4125.4
65°	284.2	292.0	315.5	350.8	348.8	378.2	454.7	727.1	2673.2	2953.4	3190.6
67.5°	301.8	313.6	309.7	319.5	313.6	329.2	407.6	584.0	2100.9	2224.4	2361.6
70°	297.9	325.3	339.0	319.5	274.4	292.0	352.8	466.4	1503.2	1491.4	1485.5
72.5°	260.7	288.1	327.3	346.9	268.5	243.0	305.7	403.7	964.2	960.3	868.2
75°	221.5	241.1	288.1	313.6	231.3	196.0	262.6	343.0	576.2	584.0	521.3
77.5°	203.8	194.0	241.1	276.3	188.1	150.9	211.7	258.7	317.5	321.4	297.9
80°	147.0	141.1	180.3	201.9	143.1	107.8	119.5	160.7	170.5	152.9	158.7
82.5°	94.1	96.0	107.8	129.3	88.2	58.8	82.3	107.8	92.1	74.5	88.2
85°	60.8	68.6	56.8	66.6	27.4	27.4	35.3	47.0	31.4	21.6	23.5
87.5°	0.0	0.0	3.9	7.8	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: P1501376
CATALOG NUMBER: GSS-SB1D-727-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1383.6	1383.6	*1383.6*	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6
2.5°	1389.5	1387.5	*1387.5*	1391.5	1401.3	1405.2	1411.1	1409.1	1415.0	1411.1
5°	1416.9	1418.9	*1424.8*	1426.7	1432.6	1440.5	1442.4	1440.5	1444.4	1444.4
7.5°	1471.8	1479.7	*1475.7*	1485.5	1477.7	1467.9	1452.2	1440.5	1430.7	1434.6
10°	1563.9	1560.0	*1558.1*	1540.4	1505.1	1454.2	1413.0	1368.0	1360.1	1352.3
12.5°	1665.8	1661.9	*1661.9*	1601.2	1501.2	1395.4	1301.3	1230.8	1207.2	1205.3
15°	1808.9	1783.4	*1759.9*	1632.5	1432.6	1252.3	1142.6	1087.7	1074.0	1074.0
17.5°	1987.3	1920.6	*1881.4*	1609.0	1320.9	1158.3	1093.6	1079.9	1075.9	1085.7
20°	2208.7	2040.2	*1983.3*	1556.1	1279.8	1170.0	1138.7	1140.6	1142.6	1156.3
22.5°	2451.7	2149.9	*2055.8*	1556.1	1320.9	1244.5	1228.8	1250.4	1256.2	1268.0
25°	2722.2	2247.9	*2120.5*	1638.4	1442.4	1385.6	1366.0	1387.5	1403.2	1422.8
27.5°	3026.0	2349.8	*2232.2*	1787.4	1599.2	1563.9	1542.4	1552.2	1573.7	1597.3
30°	3298.4	2520.3	*2402.7*	2014.7	1812.8	1769.7	1732.5	1748.2	1771.7	1787.4
32.5°	3539.4	2728.1	*2628.1*	2253.8	2057.8	1983.3	1942.2	1938.3	1985.3	1973.5
35°	3760.9	2973.0	*2877.0*	2526.2	2306.7	2214.6	2159.7	2230.3	2198.9	2210.7
37.5°	3935.3	3227.8	*3151.4*	2786.9	2565.4	2440.0	2406.7	2492.9	2541.9	2555.6
40°	4078.4	3449.3	*3368.9*	3045.6	2802.5	2710.4	2763.3	2906.4	2900.5	2894.6
42.5°	4188.1	3639.4	*3551.2*	3241.5	3029.9	3047.5	3088.7	3184.7	3208.2	3174.9
45°	4237.1	3758.9	*3688.4*	3396.4	3288.6	3390.5	3408.1	3449.3	3433.6	3412.0
47.5°	4294.0	3864.8	*3790.3*	3537.5	3568.8	3668.8	3633.5	3600.2	3543.3	3510.0
50°	4390.0	3990.2	*3927.5*	3743.2	3856.9	3823.6	3686.4	3611.9	3496.3	3457.1
52.5°	4572.3	4227.3	*4180.3*	4068.6	3992.1	3800.1	3633.5	3500.2	3370.9	3318.0
55°	4734.9	4548.7	*4521.3*	4372.3	3951.0	3676.6	3453.2	3247.4	3026.0	2980.9
57.5°	4829.0	5081.8	*5113.2*	4501.7	3762.8	3396.4	3067.1	2737.9	2528.2	2490.9
60°	*4548.7*	*5658.0*	*5673.7*	*4476.2*	*3423.8*	*2890.7*	*2389.0*	*2155.8*	*1930.4*	*1865.7*
62.5°	4162.6	5538.4	*5524.7*	4323.4	2726.1	2108.8	1814.8	1705.0	1530.6	1477.7
65°	3578.6	4613.4	*4629.1*	3735.4	1812.8	1524.7	1524.7	1385.6	1191.6	1154.3
67.5°	2916.2	3557.1	*3521.8*	2422.3	1113.2	1221.0	1279.8	1079.9	807.4	762.4
70°	1895.1	2716.3	*2667.3*	1397.3	699.7	1017.1	1007.3	811.4	578.1	546.8
72.5°	815.3	1569.8	*1669.8*	713.4	527.2	819.2	803.5	568.3	386.1	372.4
75°	491.9	789.8	*860.4*	454.7	384.1	617.3	556.6	360.6	262.6	252.8
77.5°	311.6	433.1	*429.2*	341.0	288.1	417.4	374.3	248.9	178.3	170.5
80°	180.3	213.6	*221.5*	213.6	194.0	297.9	239.1	180.3	139.1	129.3
82.5°	115.6	133.3	*135.2*	103.9	107.8	192.1	129.3	105.8	80.4	72.5
85°	51.0	56.8	*54.9*	35.3	35.3	78.4	45.1	43.1	31.4	31.4
87.5°	2.0	3.9	*2.0*	2.0	2.0	7.8	3.9	5.9	5.9	5.9
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

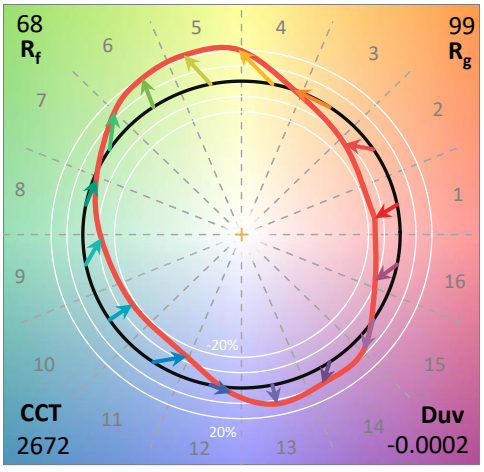
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

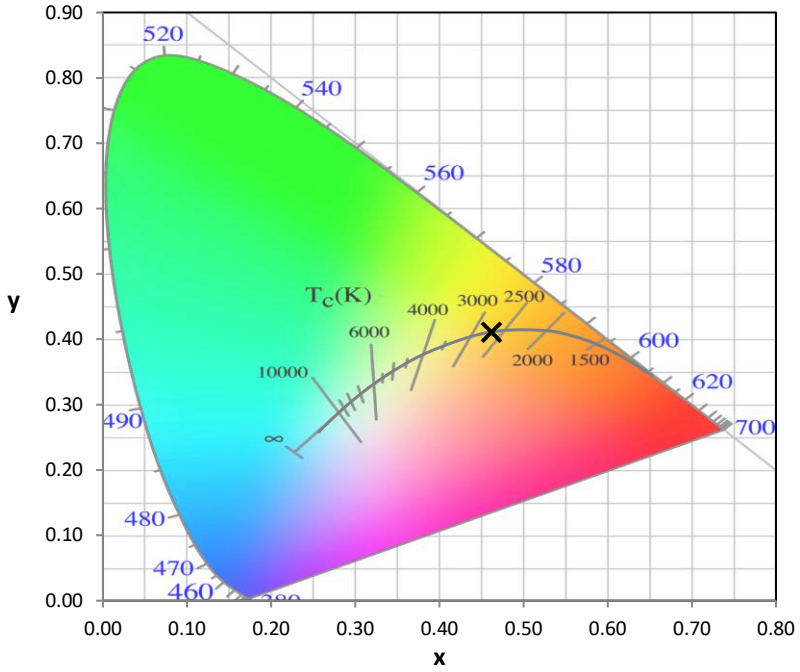
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

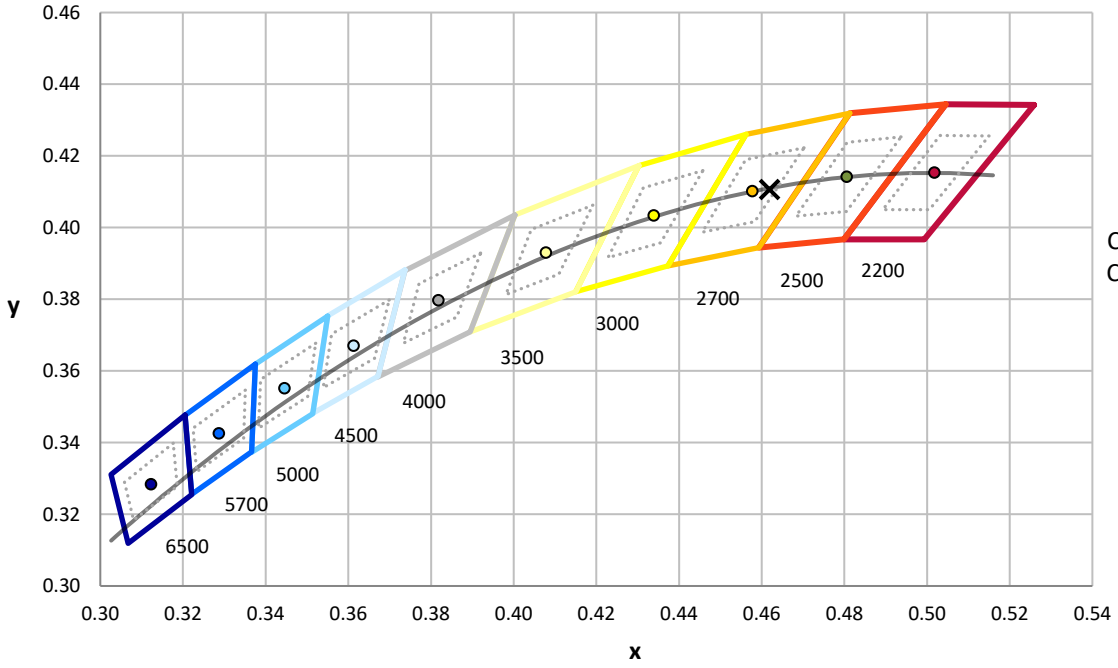
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

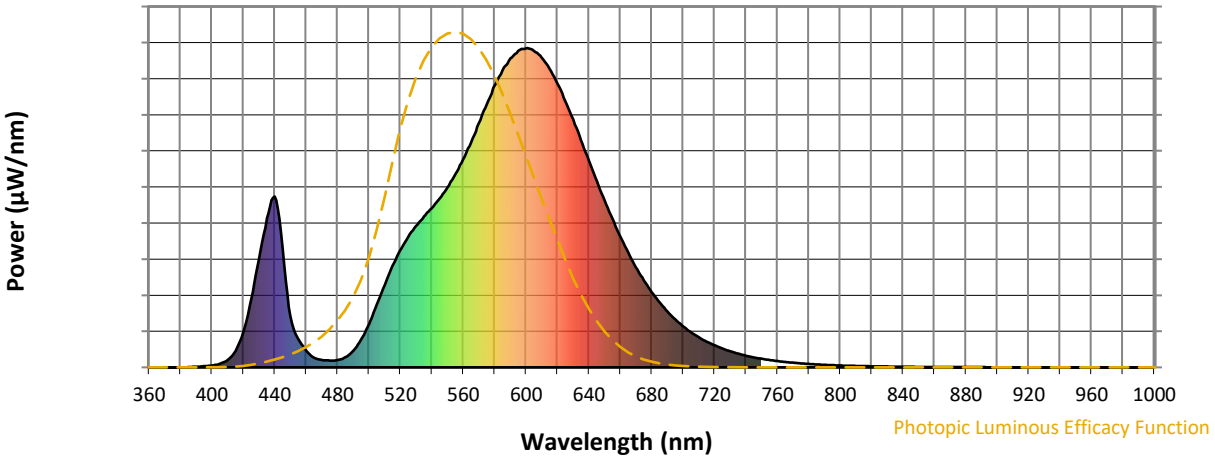


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

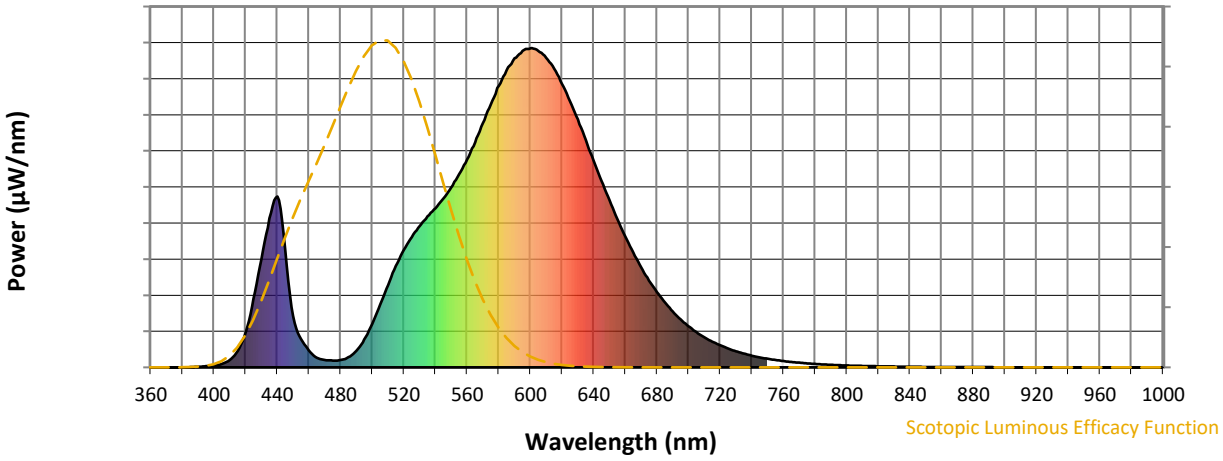


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

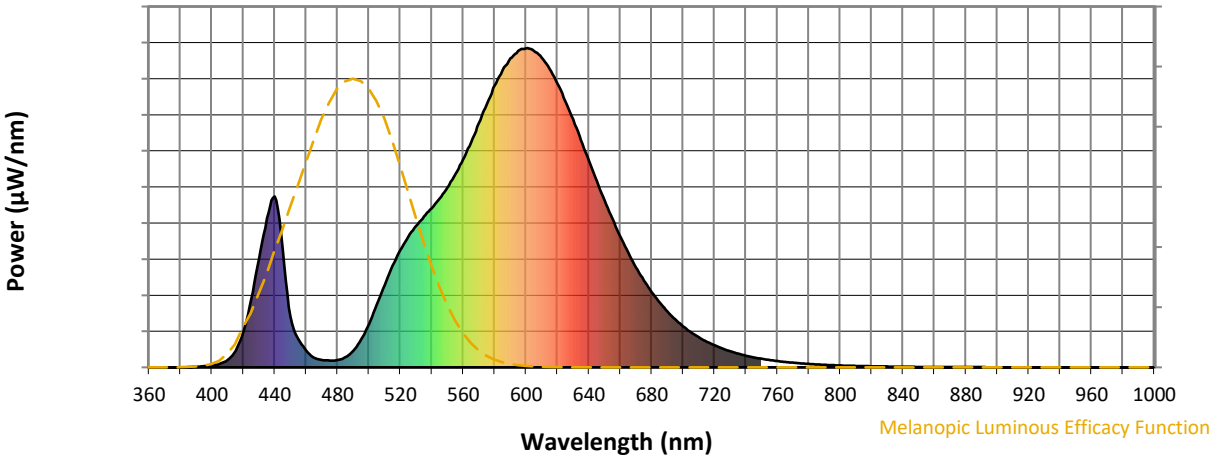


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

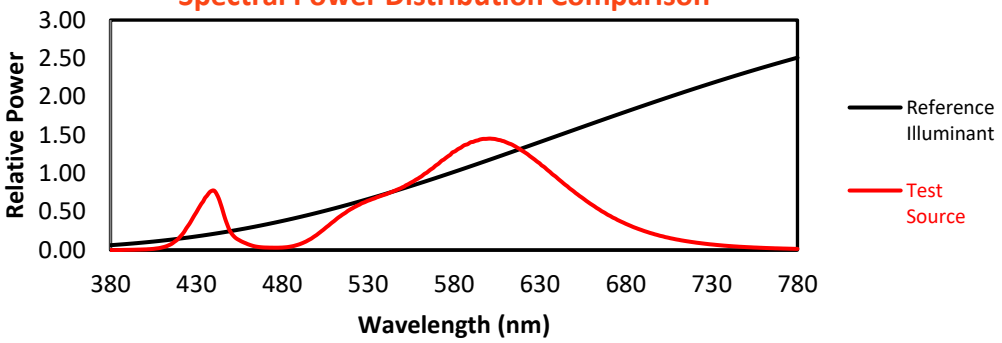
REPORT NUMBER: SP1-2407-184-3

TM-30-18

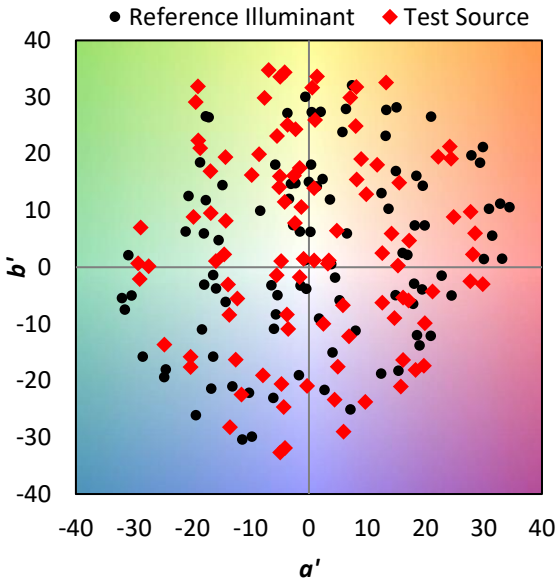
Summary

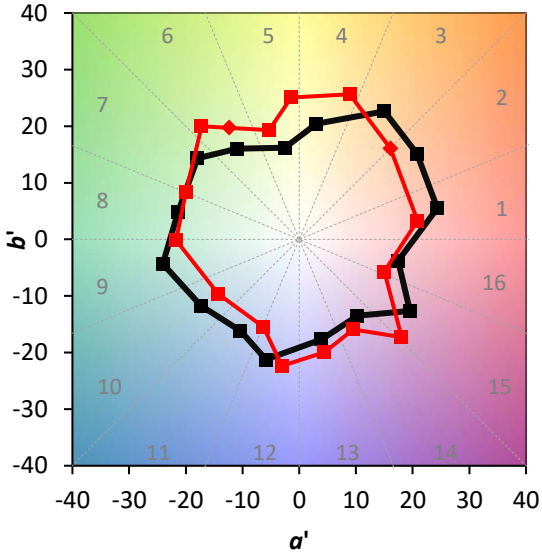
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

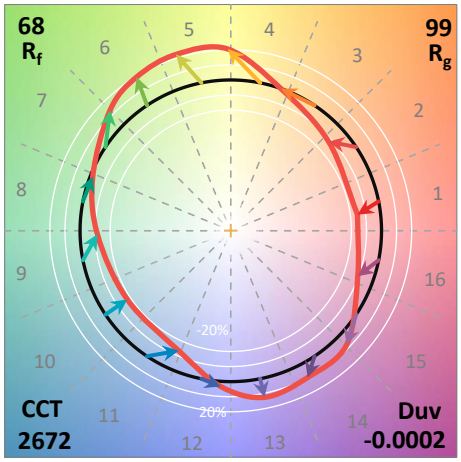
Spectral Power Distribution Comparison

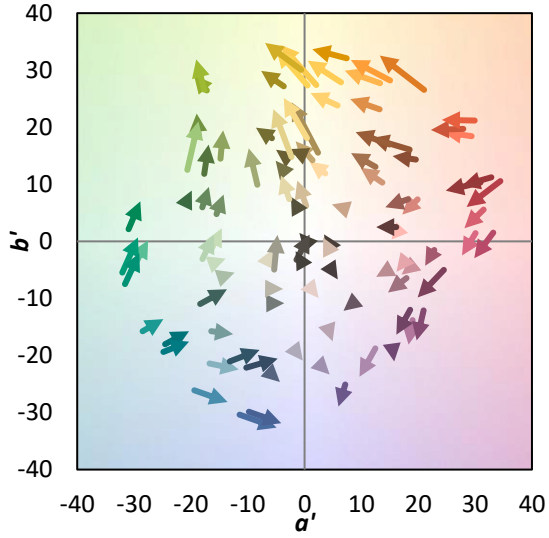


Color Vector Graphics







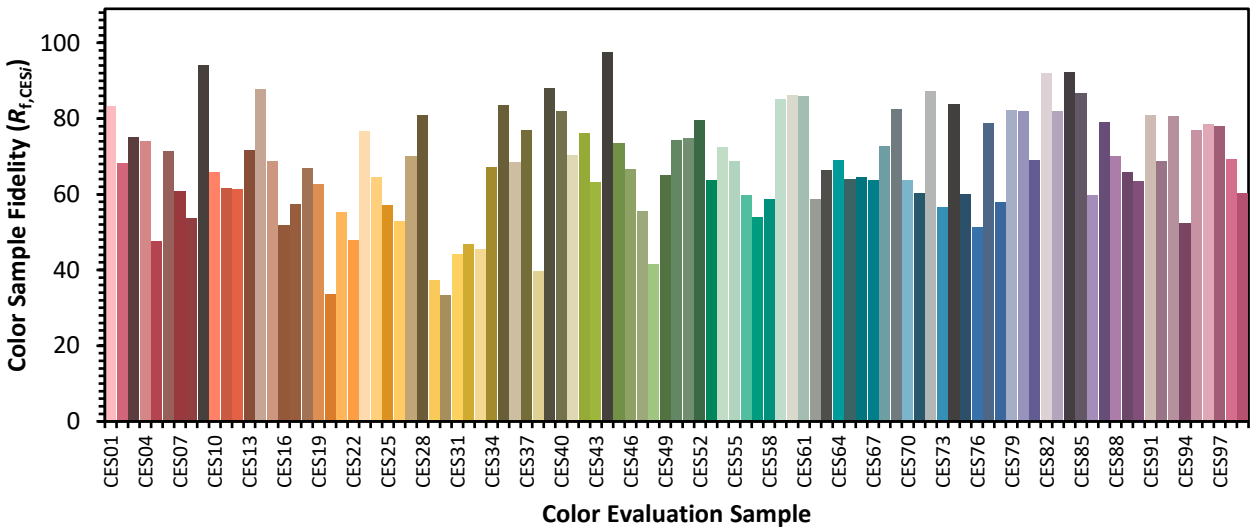


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Individual Sample Fidelity Index ($R_{f,i}$)

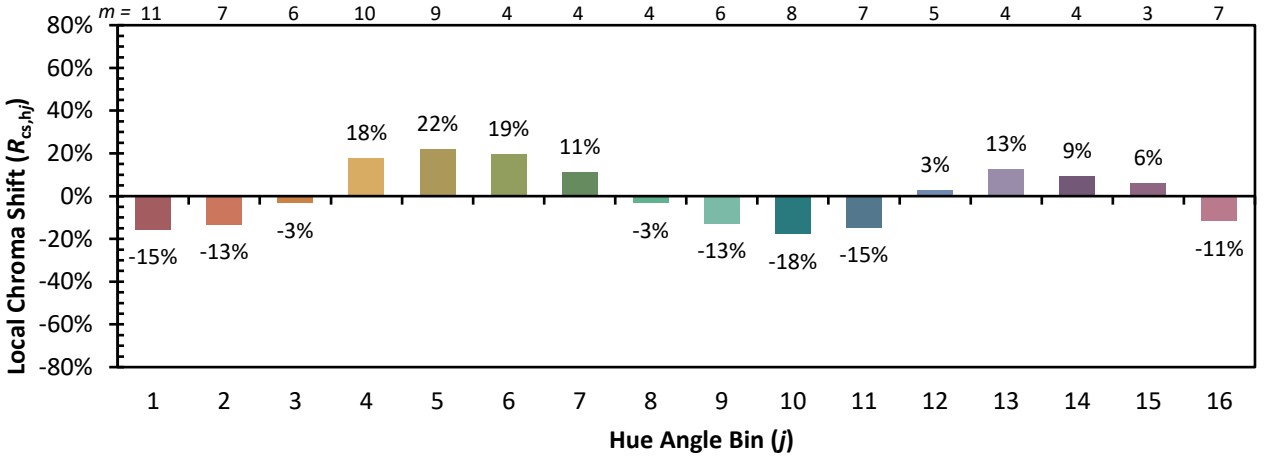
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

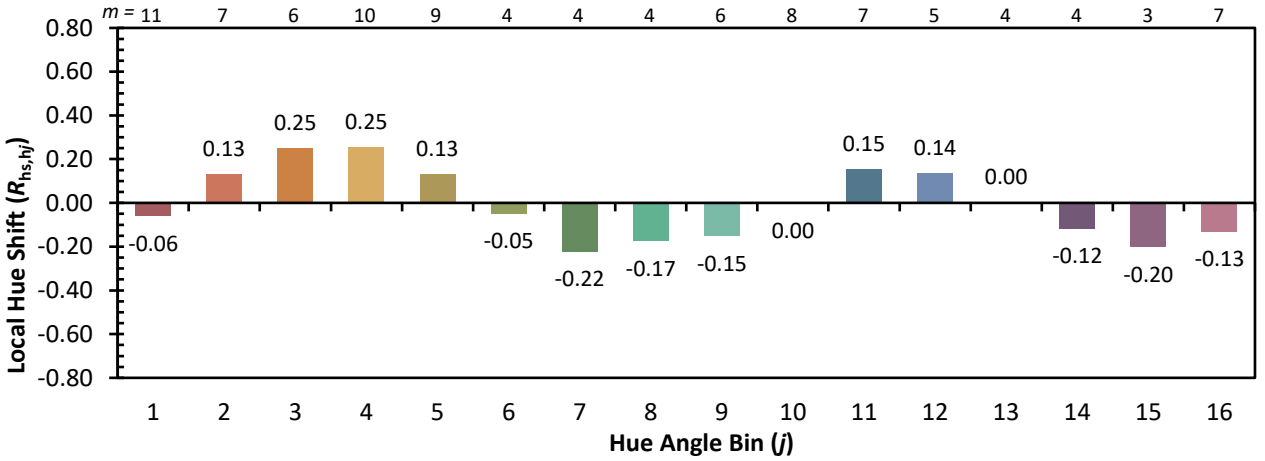


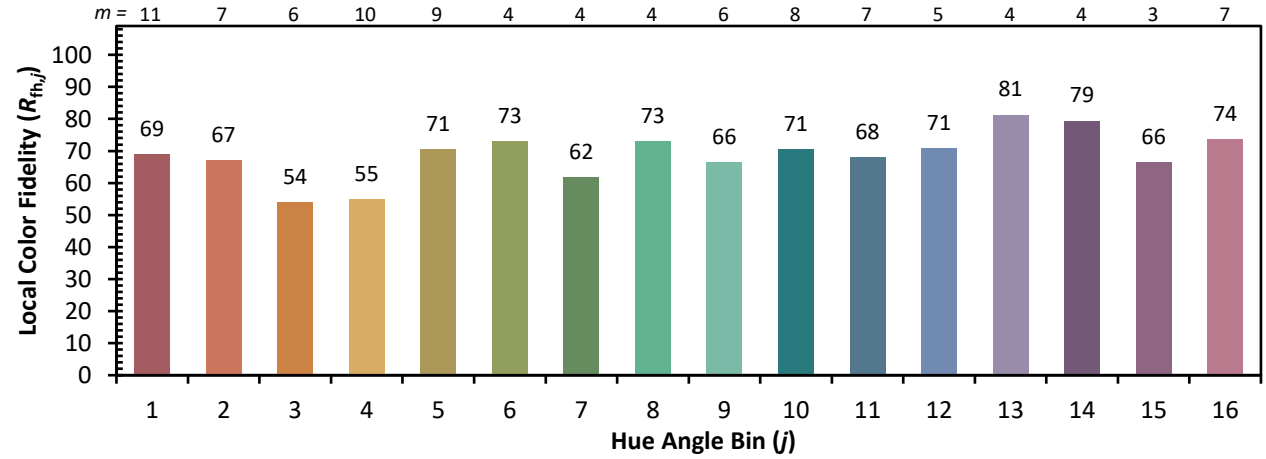
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Color Rendition by Hue-Angle Bin



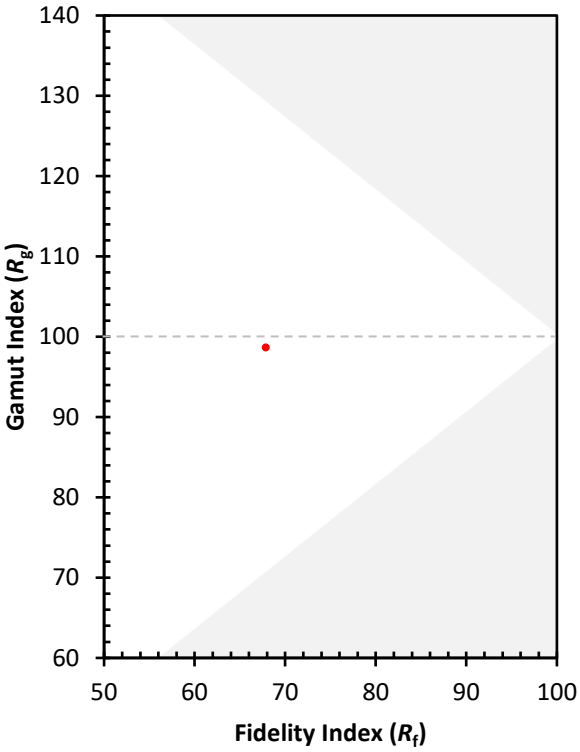


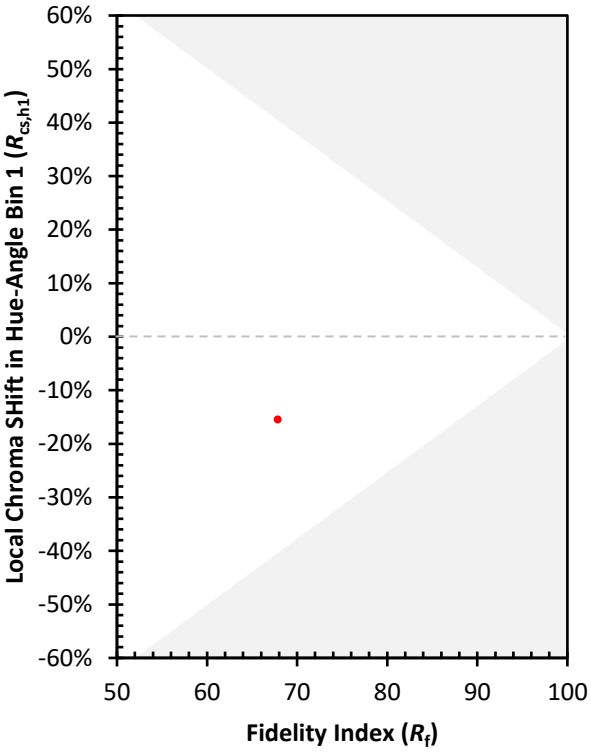


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Measure Comparisons





(END OF REPORT)