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: P1501354

Luminaire Tested: GSS-SB2B-722-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:	P1501354
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8626.8 lumens
Efficiency:	N/A
Efficacy:	116.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

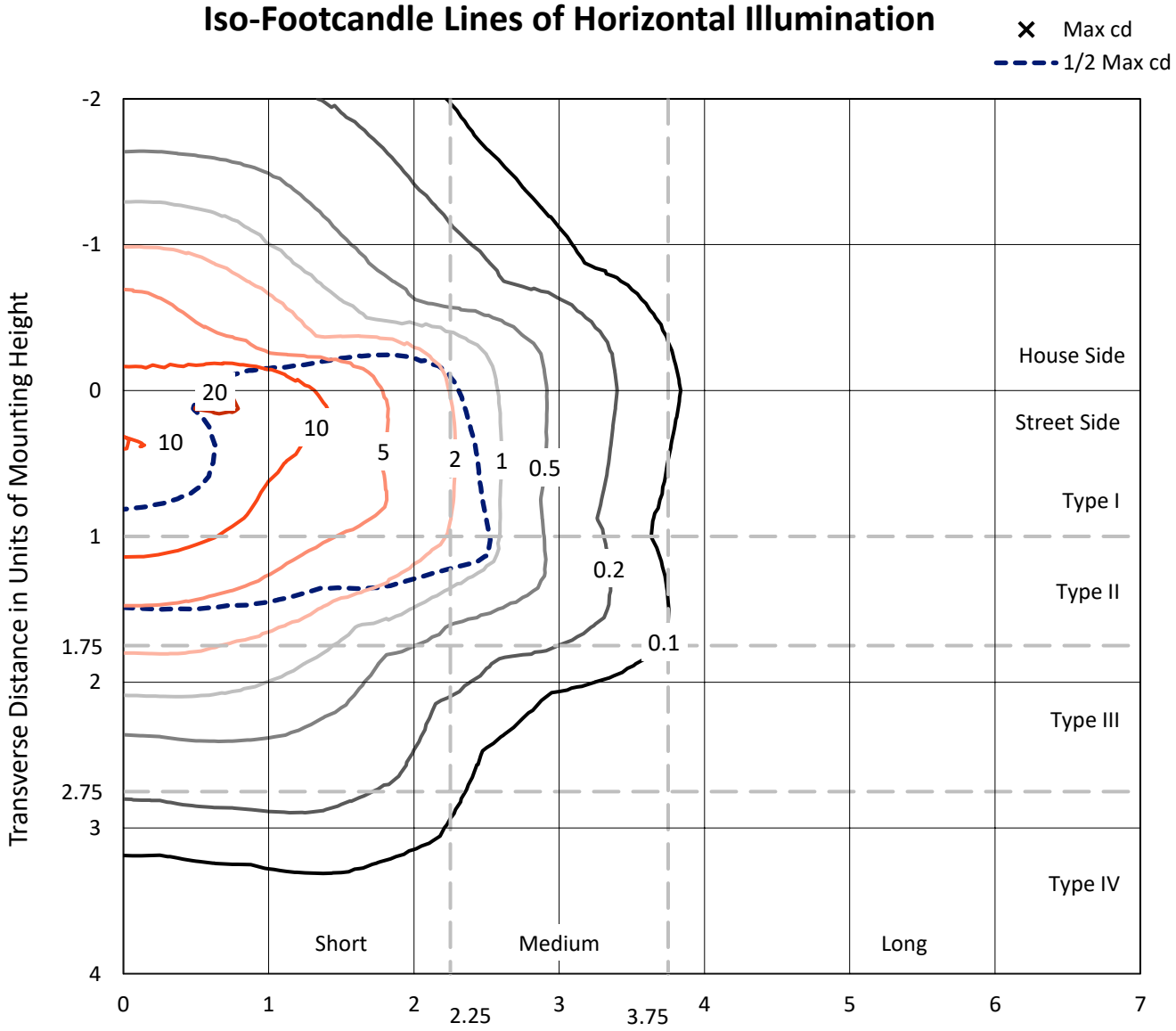
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



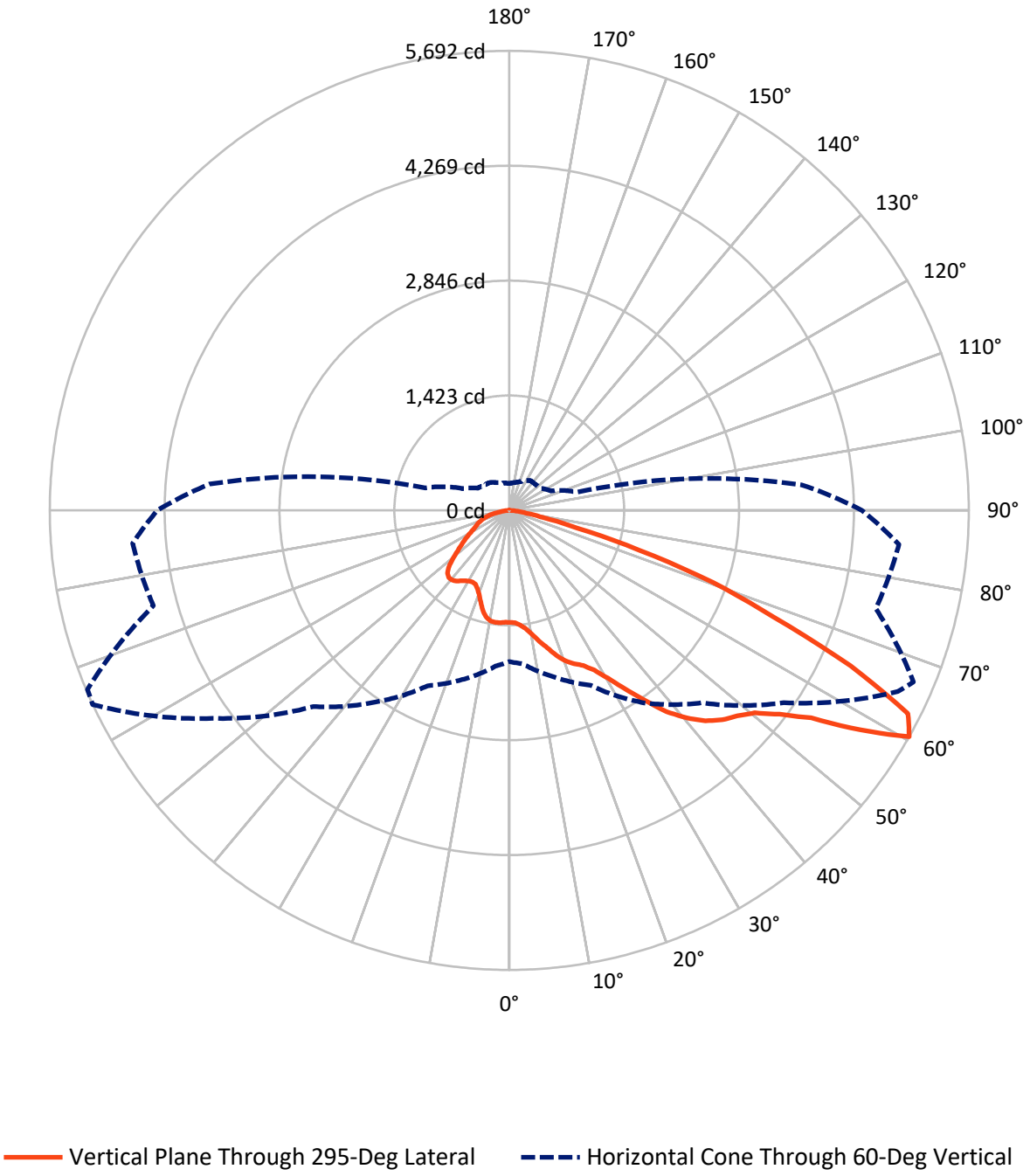
Based on 10 foot mounting height. Maximum calculated value = 20.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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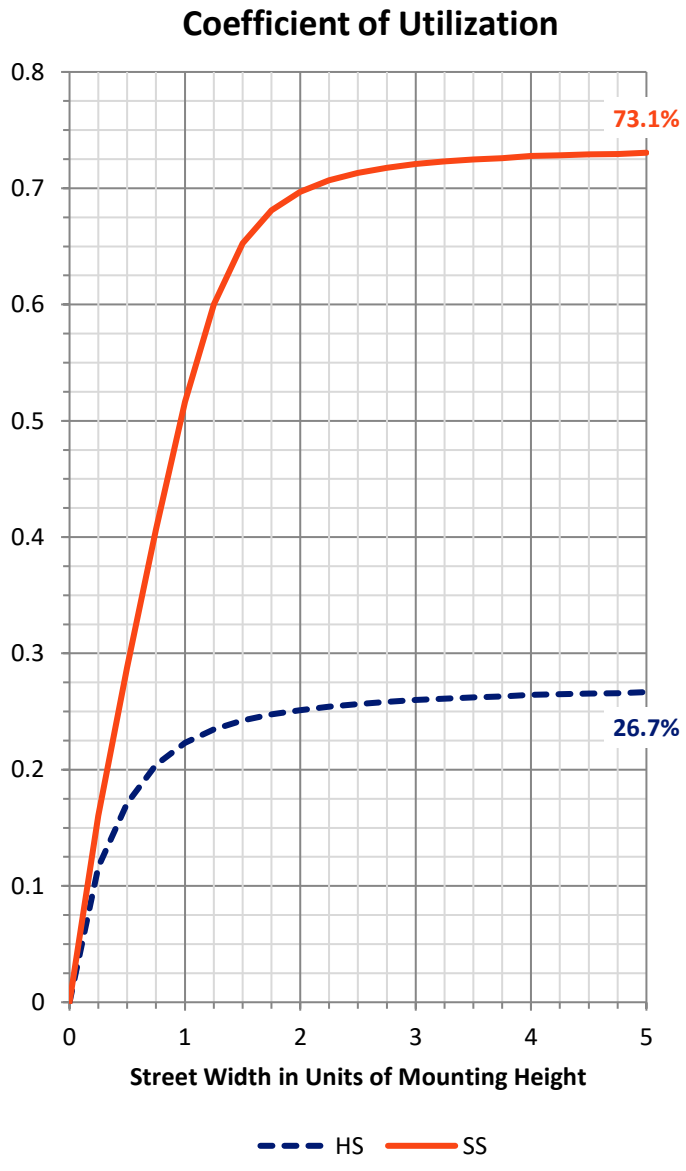
REPORT NUMBER: P1501354
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2319.8	0.0	2319.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6306.9	0.0	6306.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	8626.8	0.0	8626.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	1.5
10°-20°	375.2	4.3
20°-30°	710.6	8.2
30°-40°	1252.8	14.5
40°-50°	1852.7	21.5
50°-60°	2175.6	25.2
60°-70°	1576.3	18.3
70°-80°	486.1	5.6
80°-90°	66.9	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°	8626.8	100.0
0°-180°	8626.8	100.0



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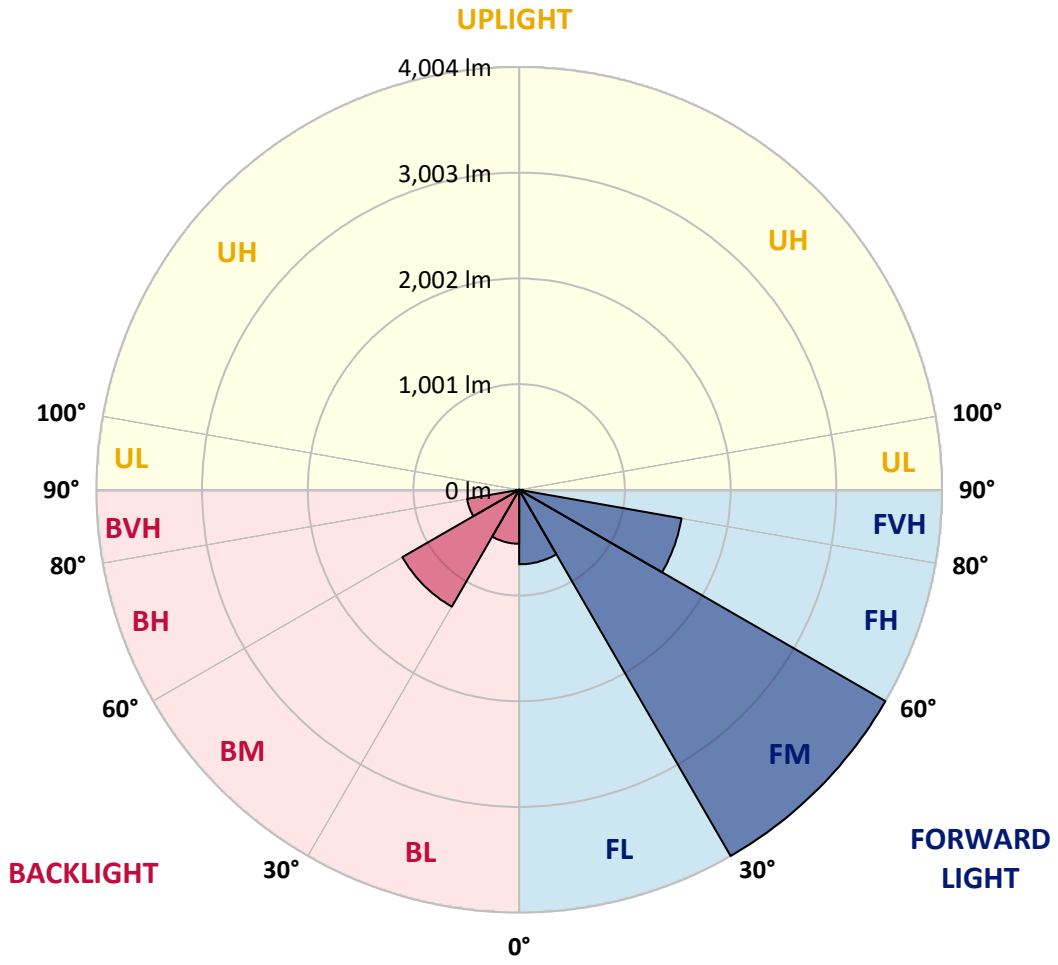
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	705.4	8.2			
FM	(30°-60°)	4003.7	46.4			
FH	(60°-80°)	1561.7	18.1			G1/1800
FVH	(80°-90°)	36.1	0.4			G1/100
BL	(0°-30°)	510.9	5.9	B2/1000		
BM	(30°-60°)	1277.4	14.8	B2/2500		
BH	(60°-80°)	500.7	5.8	B2/1000		G2/1000
BVH	(80°-90°)	30.8	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°	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0
2.5°	1415.5	1419.5	1413.6	1417.5	1417.5	1411.6	1409.6	1401.8	1405.7	1403.7	1401.8
5°	1449.0	1450.9	1447.0	1452.9	1452.9	1454.9	1452.9	1443.1	1443.1	1443.1	1439.1
7.5°	1439.1	1439.1	1441.1	1460.8	1480.4	1506.0	1506.0	1502.0	1506.0	1504.0	1486.3
10°	1356.6	1364.4	1382.1	1431.3	1478.4	1533.5	1570.8	1582.6	1582.6	1584.6	1555.1
12.5°	1209.1	1215.0	1256.3	1331.0	1429.3	1529.6	1620.0	1679.0	1684.9	1694.7	1655.4
15°	1077.4	1081.3	1110.8	1187.5	1299.5	1476.5	1647.5	1769.4	1789.1	1830.4	1771.4
17.5°	1089.2	1087.2	1095.1	1124.6	1205.2	1390.0	1641.6	1875.6	1911.0	1983.7	1932.6
20°	1160.0	1160.0	1165.8	1171.7	1201.2	1327.1	1598.4	1962.1	2030.9	2172.5	2113.5
22.5°	1272.0	1272.0	1270.0	1279.9	1279.9	1354.6	1600.3	2027.0	2129.2	2382.8	2325.8
25°	1427.3	1419.5	1419.5	1423.4	1405.7	1458.8	1649.5	2093.8	2227.5	2632.5	2583.3
27.5°	1602.3	1608.2	1604.3	1590.5	1566.9	1608.2	1767.5	2198.0	2337.6	2895.9	2876.3
30°	1793.0	1795.0	1798.9	1791.0	1771.4	1800.9	1952.3	2355.3	2483.1	3171.2	3214.4
32.5°	1979.8	2007.3	1997.5	1977.8	1985.7	2038.8	2180.3	2567.6	2699.3	3426.8	3580.1
35°	2217.7	2227.5	2266.8	2194.1	2196.0	2286.5	2471.3	2846.8	2974.6	3692.2	3945.8
37.5°	2563.7	2581.4	2563.7	2449.7	2432.0	2557.8	2754.4	3122.0	3214.4	3892.7	4285.9
40°	2903.8	2925.4	2954.9	2821.2	2709.2	2813.4	3021.8	3332.4	3428.7	4002.8	4512.0
42.5°	3185.0	3220.3	3188.9	3149.6	3047.3	3067.0	3208.5	3495.6	3591.9	4142.4	4740.1
45°	3422.8	3428.7	3442.5	3415.0	3363.9	3346.2	3367.8	3639.1	3745.3	4205.3	4852.1
47.5°	3521.1	3546.7	3558.5	3605.7	3658.8	3623.4	3503.4	3705.9	3802.3	4201.4	4887.5
50°	3468.1	3493.6	3556.5	3668.6	3796.4	3859.3	3662.7	3798.3	3906.5	4272.2	4960.3
52.5°	3328.5	3356.0	3458.2	3586.0	3800.3	3943.8	3886.8	3991.0	4095.2	4398.0	5082.2
55°	2990.3	3031.6	3175.1	3387.5	3682.4	3898.6	4122.7	4274.1	4388.2	4549.4	5208.0
57.5°	2498.8	2542.1	2703.3	3021.8	3464.1	3711.8	4191.6	4805.0	4856.1	4730.2	5219.8
60°	*1871.6*	*1907.0*	*2135.1*	*2390.7*	*2909.7*	*3369.8*	*4152.2*	*5308.3*	*5438.0*	*4698.8*	*4844.3*
62.5°	1482.4	1525.6	1728.1	1846.1	2217.7	2783.9	4014.6	5447.8	5559.9	4439.3	4321.3
65°	1158.0	1187.5	1376.2	1545.3	1635.7	1901.1	3440.5	4765.6	4865.9	4016.6	3566.4
67.5°	764.8	810.0	1034.1	1266.1	1313.3	1209.1	2367.1	3666.6	3713.8	3192.8	2681.6
70°	548.5	570.1	737.3	985.0	1055.8	810.0	1289.7	2776.0	2789.8	2143.0	1806.8
72.5°	373.5	377.5	501.3	755.0	841.5	587.8	709.7	1828.4	1781.2	1057.7	1034.1
75°	253.6	257.5	320.5	503.3	595.7	408.9	462.0	996.8	957.5	583.9	627.2
77.5°	171.0	175.0	220.2	338.2	397.1	283.1	338.2	526.9	517.1	387.3	336.2
80°	129.8	135.7	163.2	216.3	277.2	165.1	192.7	249.7	253.6	206.4	171.0
82.5°	72.7	80.6	98.3	110.1	178.9	92.4	92.4	149.4	143.5	127.8	92.4
85°	31.5	33.4	39.3	41.3	72.7	39.3	33.4	64.9	66.8	62.9	29.5
87.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.9	7.9	7.9	7.9
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°	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0
2.5°	1391.9	1403.7	1391.9	1386.0	1386.0	1376.2	1372.3	1372.3	1358.5	1364.4	1360.5
5°	1423.4	1427.3	1413.6	1395.9	1372.3	1352.6	1325.1	1289.7	1268.1	1266.1	1268.1
7.5°	1472.5	1474.5	1437.2	1397.8	1338.9	1268.1	1183.5	1114.7	1053.8	1044.0	1055.8
10°	1541.4	1537.4	1482.4	1390.0	1266.1	1116.7	986.9	924.0	888.6	886.7	884.7
12.5°	1633.8	1608.2	1523.7	1356.6	1140.3	967.3	900.4	896.5	906.3	914.2	916.2
15°	1739.9	1706.5	1557.1	1291.7	1012.5	912.2	916.2	949.6	961.4	969.2	969.2
17.5°	1871.6	1828.4	1594.4	1199.3	947.6	924.0	951.6	983.0	1002.7	1010.5	1008.6
20°	2046.6	1956.2	1623.9	1110.8	929.9	943.7	967.3	998.7	1018.4	1028.2	1028.2
22.5°	2221.6	2109.5	1629.8	1049.9	929.9	945.7	967.3	998.7	1020.4	1030.2	1028.2
25°	2459.5	2306.1	1631.8	1006.6	931.9	935.8	955.5	983.0	1014.5	1024.3	1028.2
27.5°	2713.1	2522.4	1641.6	996.8	924.0	922.1	935.8	961.4	992.8	1018.4	1020.4
30°	3027.7	2766.2	1645.6	1006.6	926.0	900.4	910.3	935.8	969.2	994.8	1002.7
32.5°	3336.3	2992.3	1637.7	1028.2	929.9	886.7	888.6	904.4	939.8	957.5	971.2
35°	3662.7	3232.1	1623.9	1057.7	931.9	880.8	863.1	870.9	894.5	896.5	902.4
37.5°	3918.3	3411.0	1582.6	1097.0	935.8	859.2	823.8	817.9	808.0	788.4	792.3
40°	4128.6	3531.0	1513.8	1116.7	926.0	833.6	774.6	747.1	709.7	680.2	686.1
42.5°	4280.0	3611.6	1431.3	1120.6	910.3	790.3	717.6	670.4	629.1	597.7	599.6
45°	4346.9	3603.7	1342.8	1091.1	872.9	737.3	664.5	619.3	574.1	540.7	536.7
47.5°	4348.8	3527.0	1220.9	1020.4	810.0	676.3	615.4	566.2	528.9	505.3	503.3
50°	4364.6	3483.8	1106.9	918.1	727.4	611.4	572.1	523.0	501.3	467.9	458.1
52.5°	4462.9	3554.6	1028.2	806.1	650.8	564.2	534.8	491.5	456.1	434.5	432.5
55°	4622.1	3676.5	985.0	721.5	578.0	519.0	499.4	462.0	430.6	408.9	403.0
57.5°	4641.8	3739.4	933.9	642.9	519.0	483.6	475.8	434.5	389.3	373.5	367.6
60°	*4366.5*	*3633.2*	*870.9*	*570.1*	*475.8*	*456.1*	*452.2*	*397.1*	*359.8*	*340.1*	*332.3*
62.5°	3991.0	3367.8	774.6	503.3	442.4	428.6	412.9	369.6	322.4	300.8	294.9
65°	3261.6	2831.1	658.6	458.1	408.9	393.2	389.3	330.3	298.8	287.0	285.1
67.5°	2471.3	2274.7	580.0	424.7	373.5	367.6	353.9	334.2	320.5	306.7	302.8
70°	1747.8	1641.6	493.5	381.4	338.2	328.3	385.3	363.7	314.6	296.9	294.9
72.5°	1059.7	1030.2	426.6	342.1	291.0	306.7	355.8	328.3	283.1	261.5	253.6
75°	668.4	611.4	357.8	291.0	232.0	249.7	310.6	292.9	243.8	222.2	216.3
77.5°	363.7	338.2	269.3	237.9	182.8	202.5	271.3	241.8	194.6	212.3	188.7
80°	159.2	176.9	178.9	137.6	121.9	149.4	194.6	188.7	149.4	151.4	125.8
82.5°	76.7	100.3	116.0	94.4	68.8	88.5	129.8	108.1	100.3	94.4	90.4
85°	23.6	37.4	51.1	45.2	31.5	37.4	60.9	59.0	70.8	60.9	57.0
87.5°	7.9	7.9	5.9	5.9	5.9	7.9	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°	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0
2.5°	1358.5	1360.5	1360.5	1362.5	1362.5	1368.3	1376.2	1384.1	1378.2	1386.0	1388.0
5°	1264.2	1274.0	1281.8	1311.3	1334.9	1354.6	1376.2	1395.9	1401.8	1405.7	1415.5
7.5°	1042.0	1069.5	1120.6	1187.5	1262.2	1334.9	1384.1	1435.2	1443.1	1452.9	1466.7
10°	886.7	898.5	933.9	1002.7	1136.4	1279.9	1399.8	1480.4	1513.8	1533.5	1547.3
12.5°	912.2	904.4	898.5	908.3	994.8	1179.6	1390.0	1545.3	1608.2	1629.8	1647.5
15°	973.2	965.3	943.7	916.2	926.0	1073.4	1356.6	1606.2	1706.5	1741.9	1779.2
17.5°	1008.6	1000.7	983.0	953.5	928.0	985.0	1293.6	1661.3	1861.8	1905.1	1958.2
20°	1028.2	1020.4	1002.7	973.2	943.7	951.6	1213.0	1730.1	2038.8	2107.6	2186.2
22.5°	1032.2	1022.3	1002.7	973.2	955.5	949.6	1136.4	1771.4	2229.5	2335.6	2426.1
25°	1030.2	1012.5	986.9	965.3	955.5	953.5	1083.3	1795.0	2435.9	2605.0	2707.2
27.5°	1016.4	994.8	969.2	953.5	949.6	961.4	1059.7	1822.5	2677.7	2894.0	3057.2
30°	1000.7	969.2	937.8	931.9	941.7	979.1	1079.3	1832.3	2931.3	3208.5	3375.7
32.5°	959.4	935.8	904.4	902.4	926.0	992.8	1124.6	1818.6	3155.5	3523.1	3733.5
35°	900.4	886.7	869.0	874.9	912.2	1004.6	1156.0	1775.3	3359.9	3816.0	4061.8
37.5°	796.2	806.1	815.9	829.7	876.8	1002.7	1169.8	1706.5	3529.0	4050.0	4364.6
40°	680.2	713.7	745.1	780.5	843.4	986.9	1173.7	1622.0	3627.3	4226.9	4633.9
42.5°	607.5	639.0	678.3	729.4	798.2	951.6	1169.8	1527.6	3658.8	4348.8	4805.0
45°	540.7	578.0	627.2	680.2	758.9	900.4	1134.4	1425.4	3674.5	4405.8	4877.7
47.5°	505.3	526.9	572.1	625.2	707.8	837.5	1065.6	1350.7	3650.9	4417.6	4966.2
50°	464.0	493.5	523.0	574.1	654.7	758.9	983.0	1307.4	3690.2	4533.6	5105.8
52.5°	432.5	448.3	479.7	526.9	585.9	686.1	904.4	1272.0	3798.3	4651.6	5251.2
55°	408.9	426.6	446.3	485.6	530.8	613.4	823.8	1218.9	3924.2	4777.4	5396.7
57.5°	371.6	383.4	410.9	452.2	481.7	542.6	729.4	1156.0	3914.3	4679.1	5145.1
60°	*338.2*	*350.0*	*379.4*	*420.7*	*438.4*	*479.7*	*637.0*	*1075.4*	*3725.6*	*4358.7*	*4681.1*
62.5°	300.8	314.6	350.0	379.4	395.2	426.6	540.7	928.0	3332.4	3877.0	4138.5
65°	285.1	292.9	316.5	351.9	350.0	379.4	456.1	729.4	2681.6	2962.8	3200.7
67.5°	302.8	314.6	310.6	320.5	314.6	330.3	408.9	585.9	2107.6	2231.4	2369.1
70°	298.8	326.4	340.1	320.5	275.2	292.9	353.9	467.9	1507.9	1496.1	1490.2
72.5°	261.5	289.0	328.3	348.0	269.3	243.8	306.7	405.0	967.3	963.3	870.9
75°	222.2	241.8	289.0	314.6	232.0	196.6	263.4	344.1	578.0	585.9	523.0
77.5°	204.5	194.6	241.8	277.2	188.7	151.4	212.3	259.5	318.5	322.4	298.8
80°	147.5	141.6	180.9	202.5	143.5	108.1	119.9	161.2	171.0	153.3	159.2
82.5°	94.4	96.3	108.1	129.8	88.5	59.0	82.6	108.1	92.4	74.7	88.5
85°	60.9	68.8	57.0	66.8	27.5	27.5	35.4	47.2	31.5	21.6	23.6
87.5°	0.0	0.0	3.9	7.9	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: P1501354
CATALOG NUMBER: GSS-SB2B-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1388.0	1388.0	*1388.0*	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0	1388.0
2.5°	1393.9	1391.9	*1391.9*	1395.9	1405.7	1409.6	1415.5	1413.6	1419.5	1415.5
5°	1421.4	1423.4	*1429.3*	1431.3	1437.2	1445.0	1447.0	1445.0	1449.0	1449.0
7.5°	1476.5	1484.3	*1480.4*	1490.2	1482.4	1472.5	1456.8	1445.0	1435.2	1439.1
10°	1568.9	1565.0	*1563.0*	1545.3	1509.9	1458.8	1417.5	1372.3	1364.4	1356.6
12.5°	1671.1	1667.2	*1667.2*	1606.2	1506.0	1399.8	1305.4	1234.7	1211.1	1209.1
15°	1814.6	1789.1	*1765.5*	1637.7	1437.2	1256.3	1146.2	1091.1	1077.4	1077.4
17.5°	1993.5	1926.7	*1887.4*	1614.1	1325.1	1161.9	1097.0	1083.3	1079.3	1089.2
20°	2215.7	2046.6	*1989.6*	1561.0	1283.8	1173.7	1142.3	1144.2	1146.2	1160.0
22.5°	2459.5	2156.7	*2062.4*	1561.0	1325.1	1248.4	1232.7	1254.3	1260.2	1272.0
25°	2730.8	2255.0	*2127.2*	1643.6	1447.0	1390.0	1370.3	1391.9	1407.7	1427.3
27.5°	3035.5	2357.3	*2239.3*	1793.0	1604.3	1568.9	1547.3	1557.1	1578.7	1602.3
30°	3308.8	2528.3	*2410.3*	2021.1	1818.6	1775.3	1738.0	1753.7	1777.3	1793.0
32.5°	3550.6	2736.7	*2636.4*	2260.9	2064.3	1989.6	1948.3	1944.4	1991.6	1979.8
35°	3772.8	2982.5	*2886.1*	2534.2	2314.0	2221.6	2166.6	2237.3	2205.9	2217.7
37.5°	3947.8	3238.0	*3161.4*	2795.7	2573.5	2447.7	2414.3	2500.8	2549.9	2563.7
40°	4091.3	3460.2	*3379.6*	3055.2	2811.4	2719.0	2772.1	2915.6	2909.7	2903.8
42.5°	4201.4	3650.9	*3562.4*	3251.8	3039.5	3057.2	3098.4	3194.8	3218.4	3185.0
45°	4250.5	3770.8	*3700.0*	3407.1	3299.0	3401.2	3418.9	3460.2	3444.5	3422.8
47.5°	4307.5	3877.0	*3802.3*	3548.7	3580.1	3680.4	3645.0	3611.6	3554.6	3521.1
50°	4403.9	4002.8	*3939.9*	3755.1	3869.1	3835.7	3698.1	3623.4	3507.4	3468.1
52.5°	4586.7	4240.7	*4193.5*	4081.5	4004.8	3812.1	3645.0	3511.3	3381.6	3328.5
55°	4749.9	4563.1	*4535.6*	4386.2	3963.5	3688.3	3464.1	3257.7	3035.5	2990.3
57.5°	4844.3	5097.9	*5129.3*	4515.9	3774.8	3407.1	3076.8	2746.5	2536.2	2498.8
60°	*4563.1*	*5675.9*	*5691.6*	*4490.4*	*3434.6*	*2899.9*	*2396.6*	*2162.6*	*1936.5*	*1871.6*
62.5°	4175.8	5556.0	*5542.2*	4337.0	2734.7	2115.4	1820.5	1710.4	1535.5	1482.4
65°	3590.0	4628.0	*4643.7*	3747.2	1818.6	1529.6	1529.6	1390.0	1195.3	1158.0
67.5°	2925.4	3568.3	*3532.9*	2430.0	1116.7	1224.8	1283.8	1083.3	810.0	764.8
70°	1901.1	2724.9	*2675.8*	1401.8	701.9	1020.4	1010.5	813.9	580.0	548.5
72.5°	817.9	1574.8	*1675.0*	715.6	528.9	821.8	806.1	570.1	387.3	373.5
75°	493.5	792.3	*863.1*	456.1	385.3	619.3	558.3	361.7	263.4	253.6
77.5°	312.6	434.5	*430.6*	342.1	289.0	418.8	375.5	249.7	178.9	171.0
80°	180.9	214.3	*222.2*	214.3	194.6	298.8	239.9	180.9	139.6	129.8
82.5°	116.0	133.7	*135.7*	104.2	108.1	192.7	129.8	106.2	80.6	72.7
85°	51.1	57.0	*55.0*	35.4	35.4	78.6	45.2	43.3	31.5	31.5
87.5°	2.0	3.9	*2.0*	2.0	2.0	7.9	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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

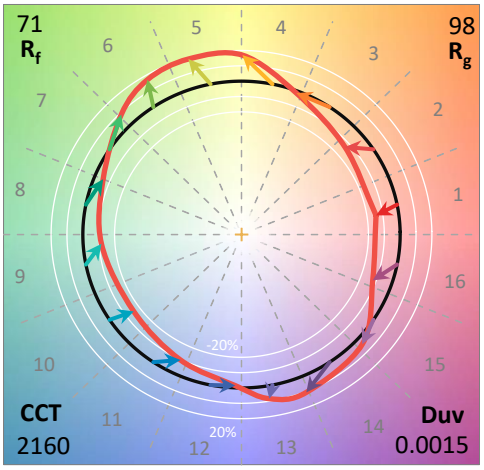
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

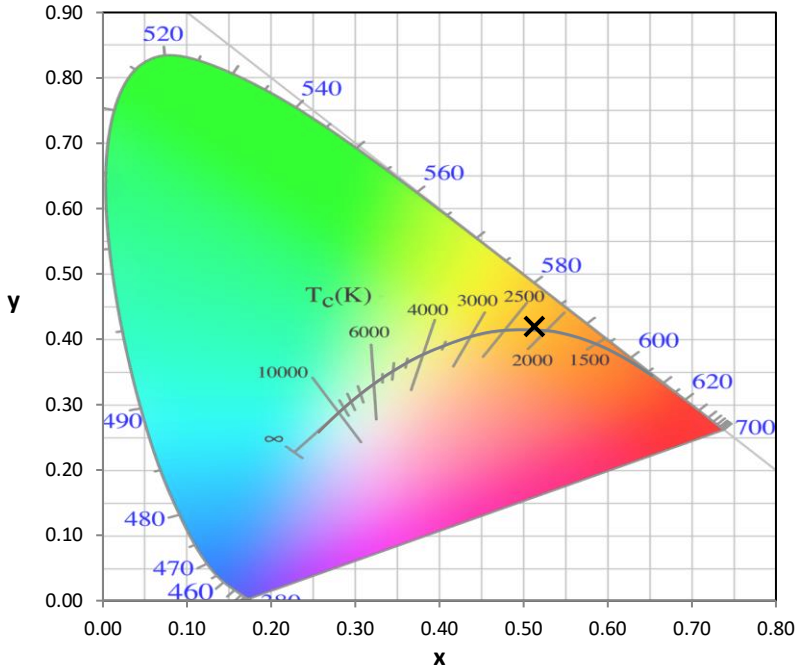
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

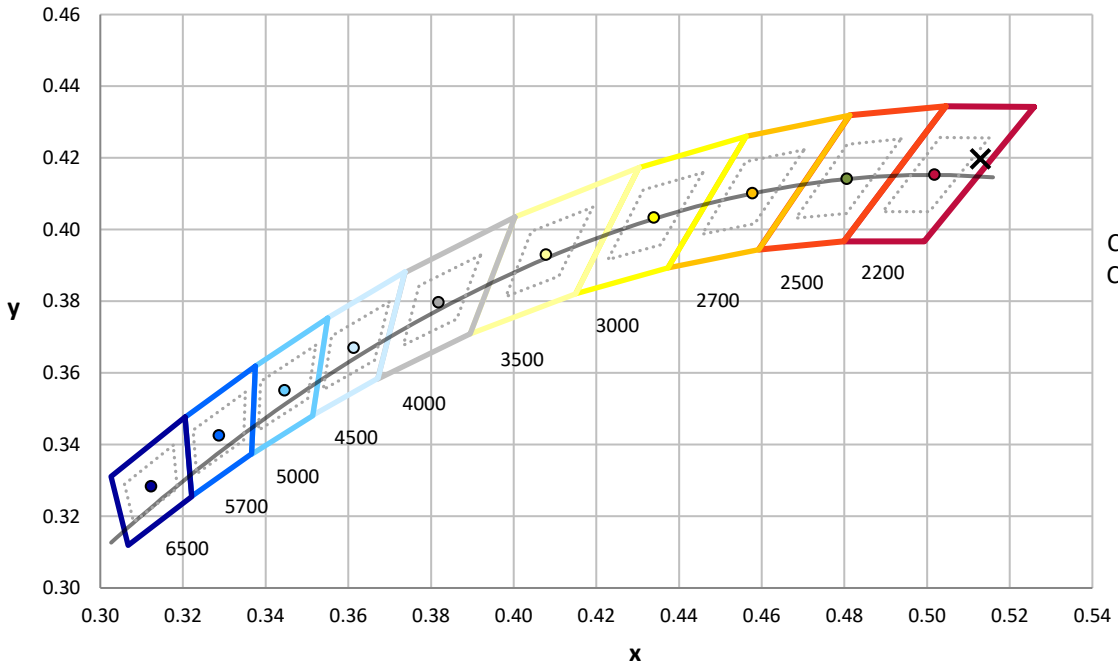
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

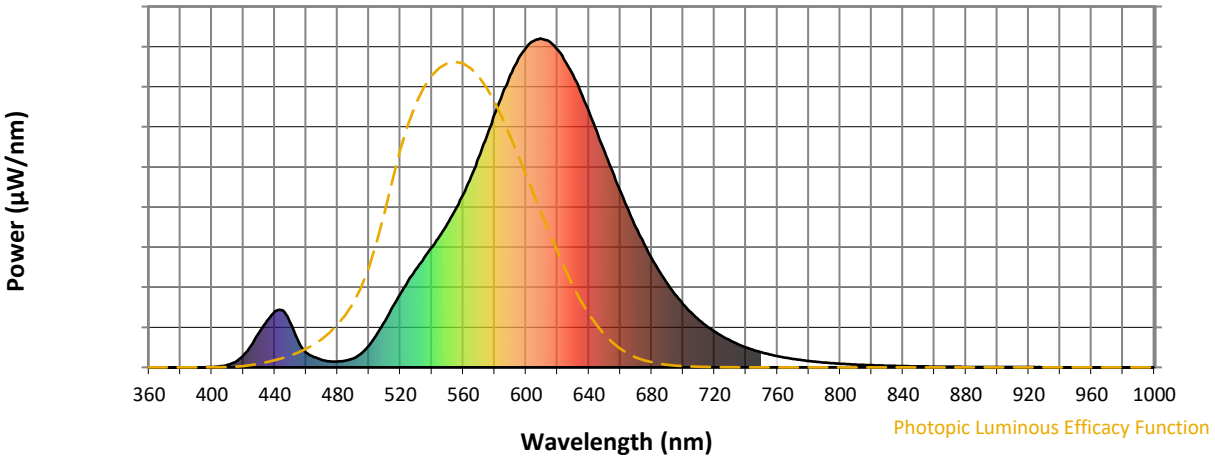


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

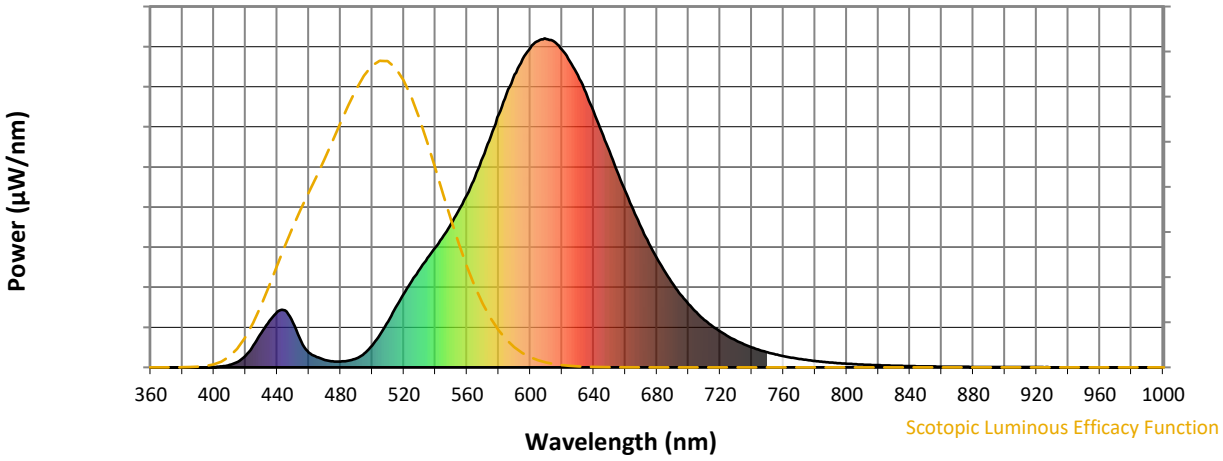


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

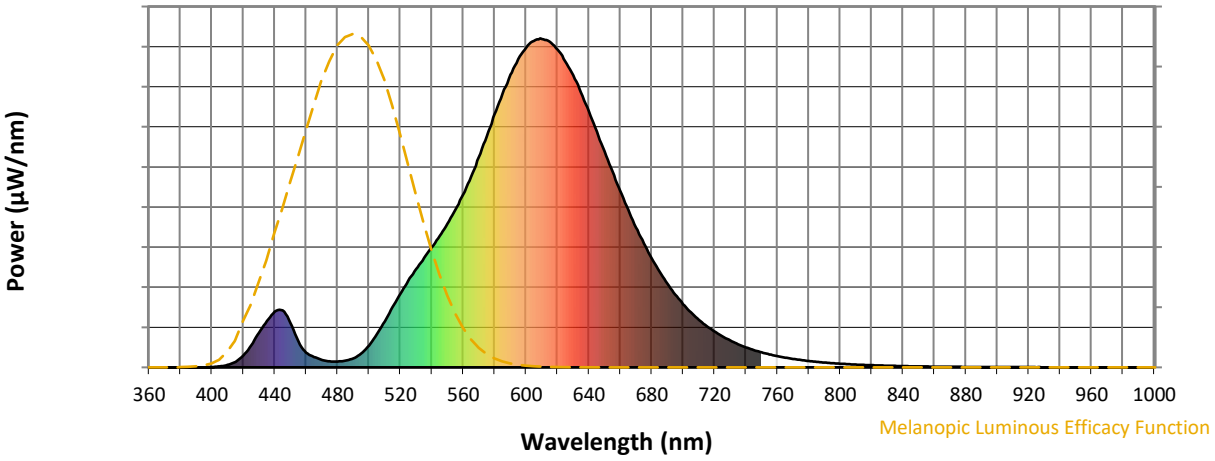


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

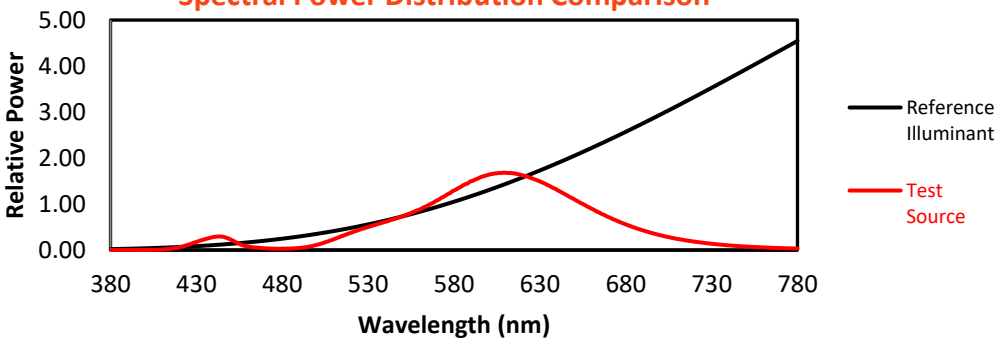
REPORT NUMBER: SP1-2407-184-2

TM-30-18

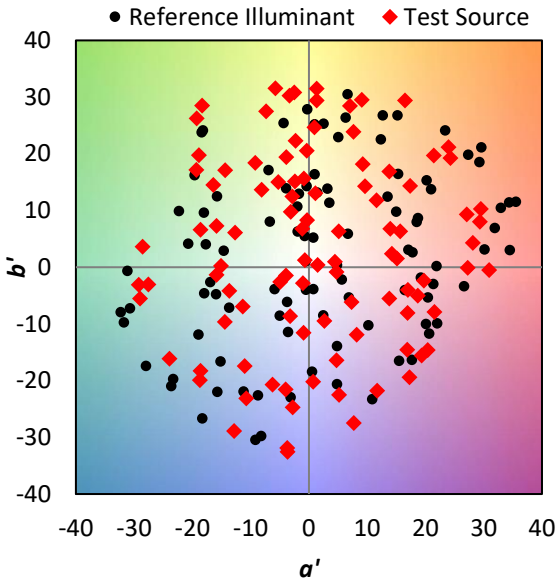
Summary

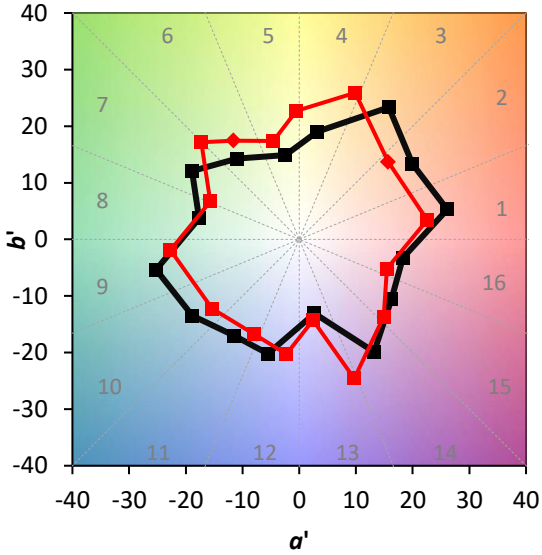
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

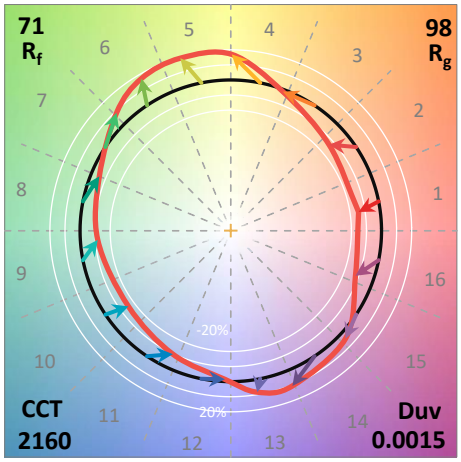
Spectral Power Distribution Comparison

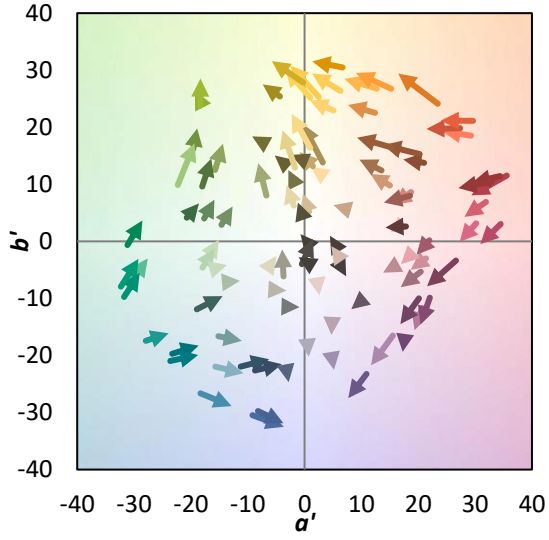


Color Vector Graphics







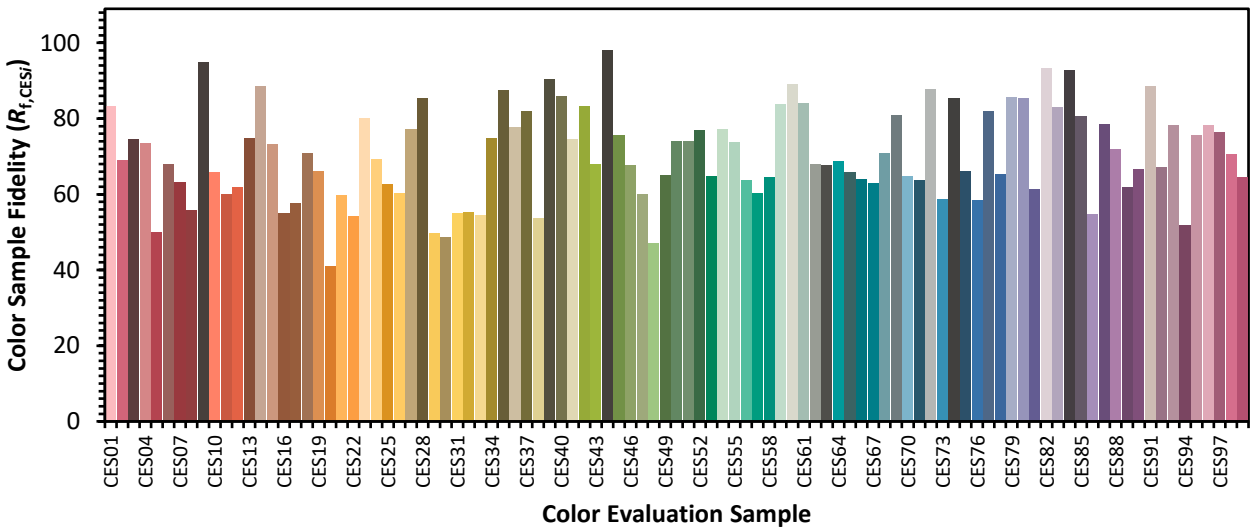


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Individual Sample Fidelity Index ($R_{f,i}$)

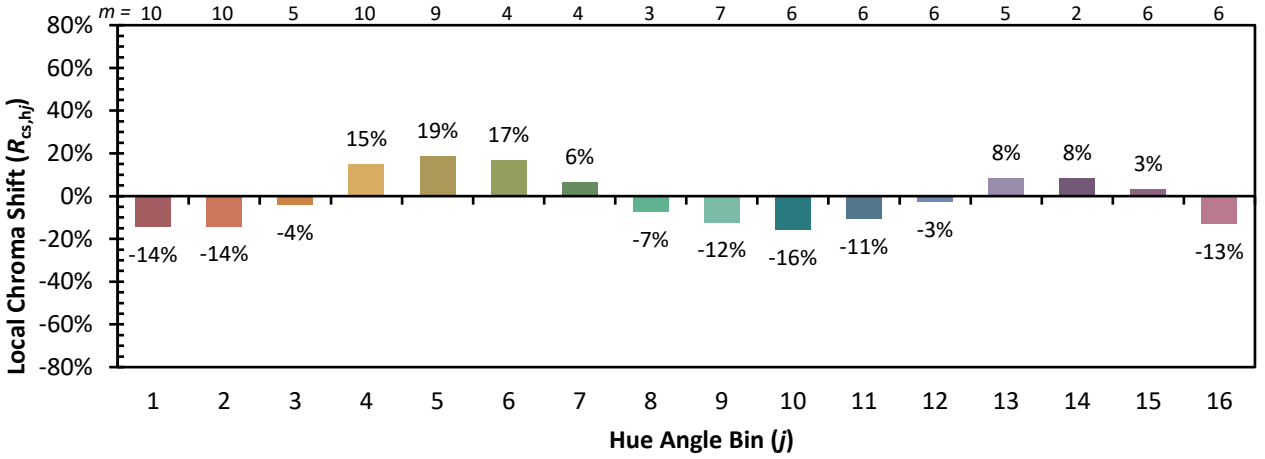
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

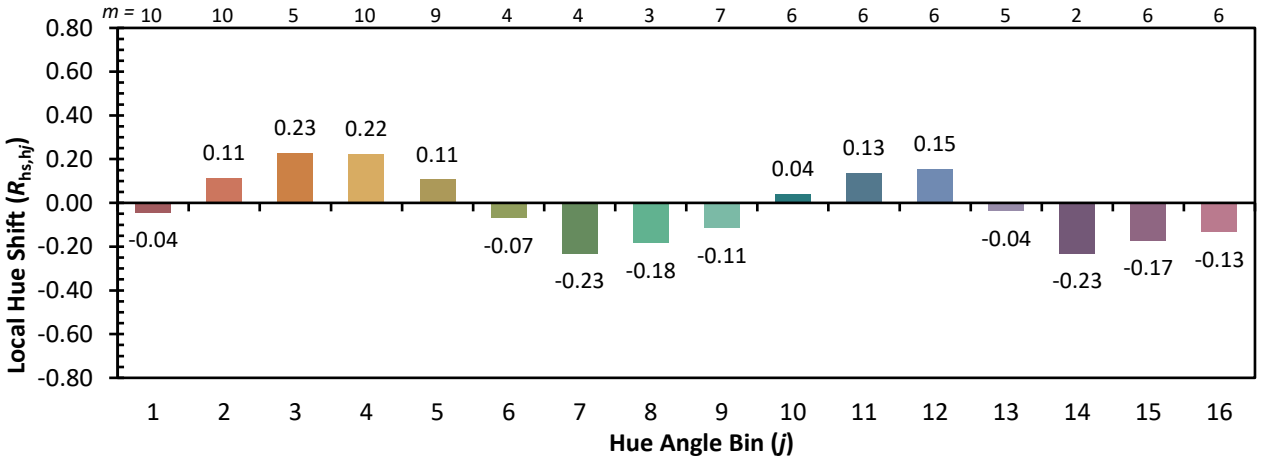


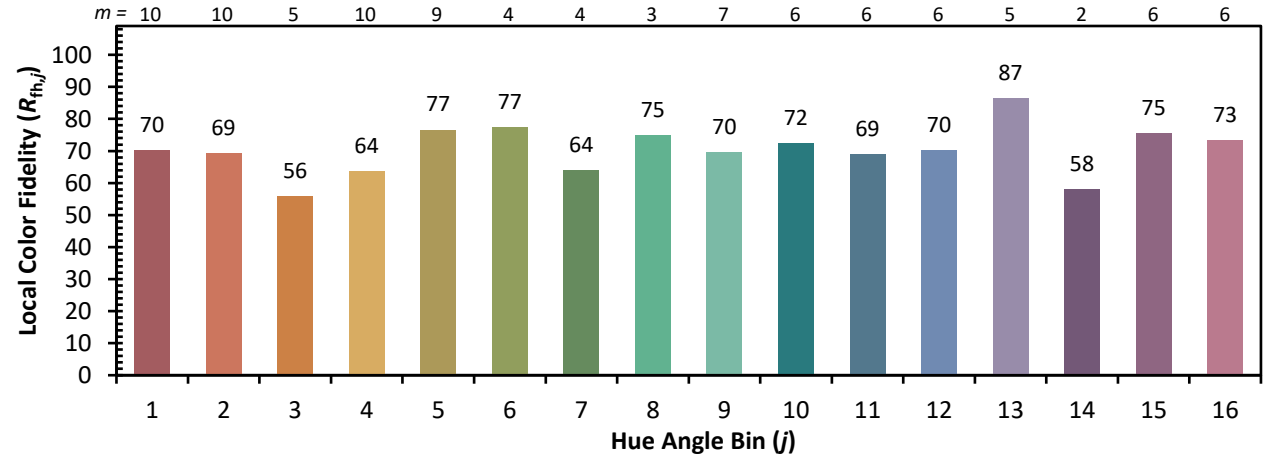
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Color Rendition by Hue-Angle Bin



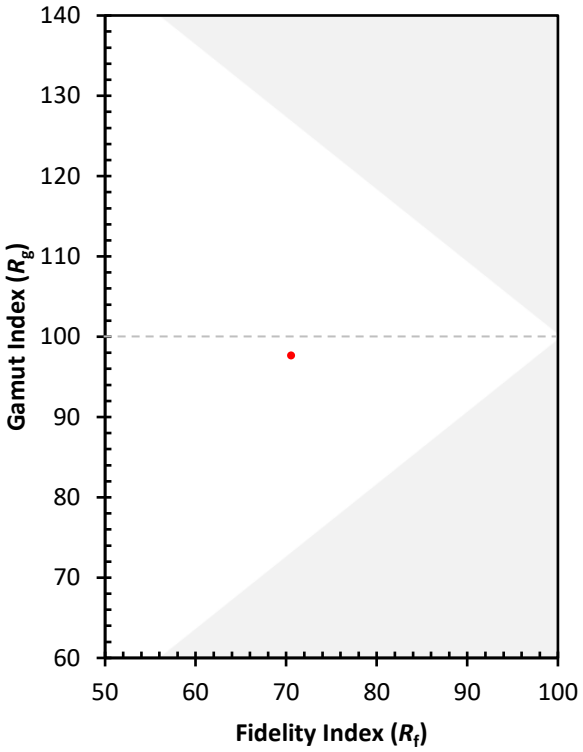


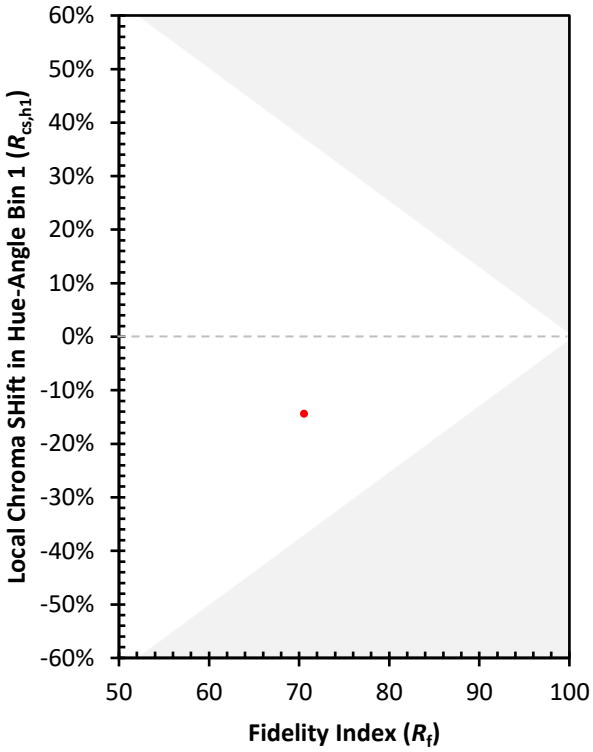


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Measure Comparisons





(END OF REPORT)