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: P1501522

Luminaire Tested: GSS-SB2B-830-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501522
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9377.9 lumens
Efficiency:	N/A
Efficacy:	126.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

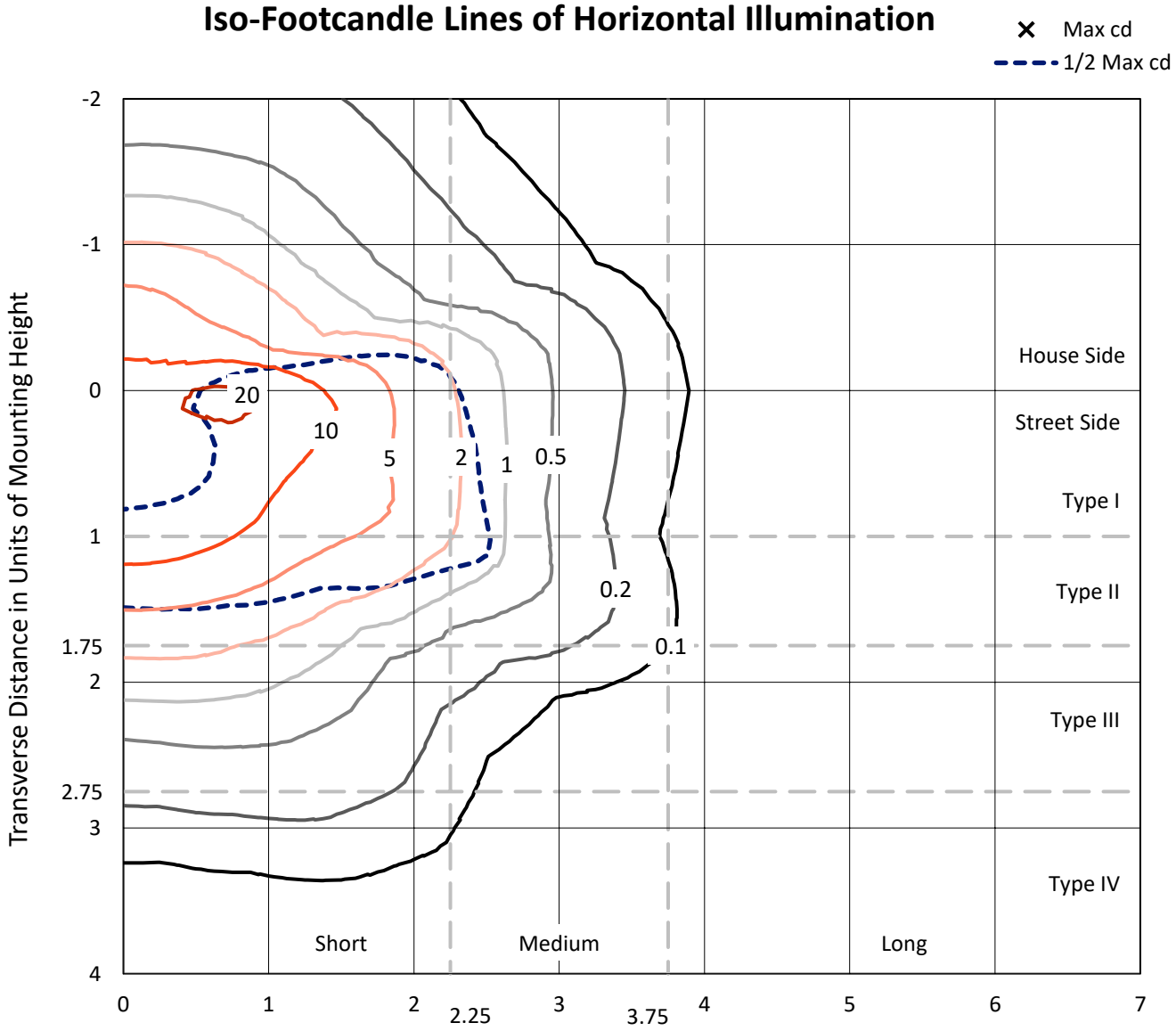
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



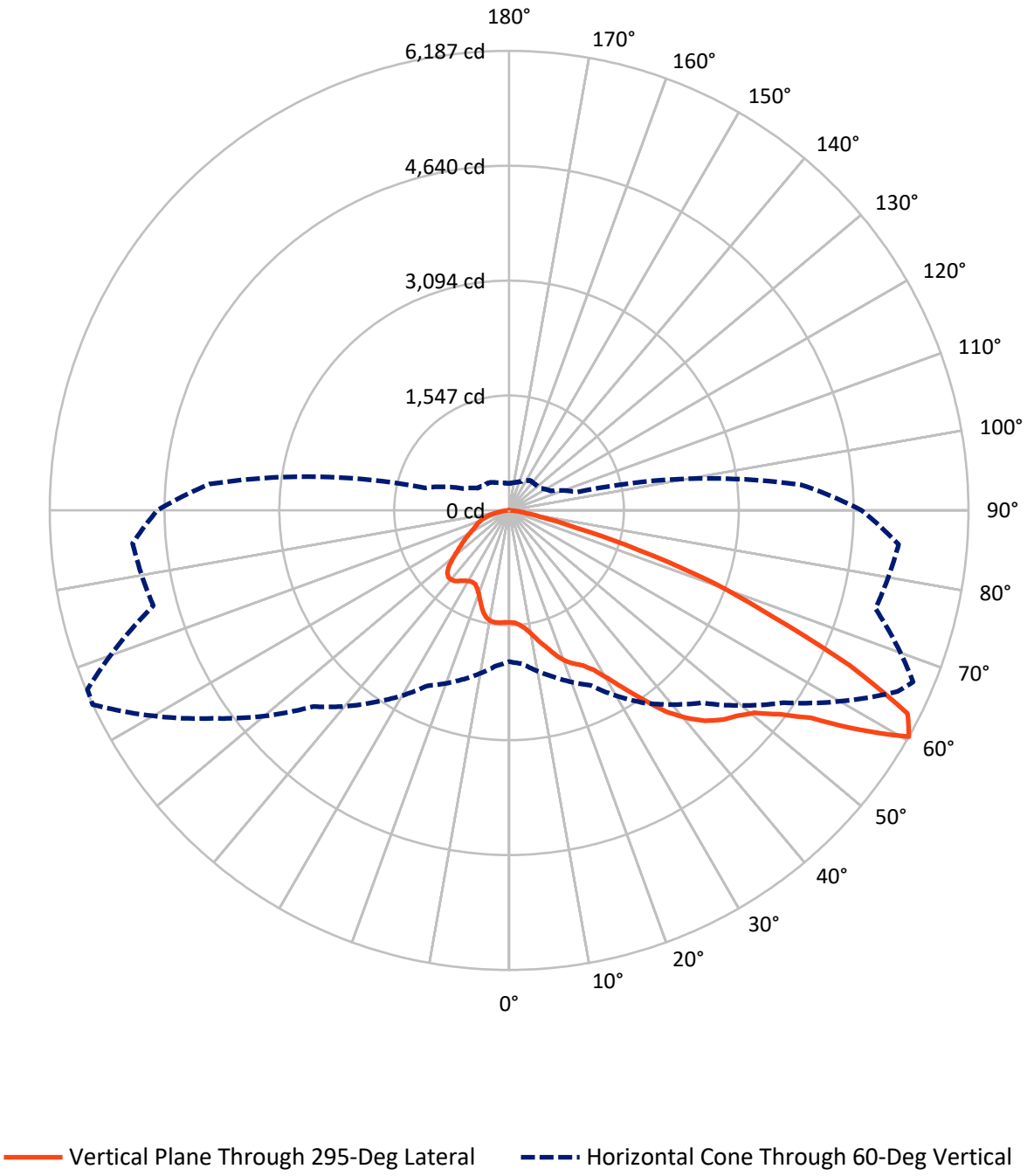
Based on 10 foot mounting height. Maximum calculated value = 22.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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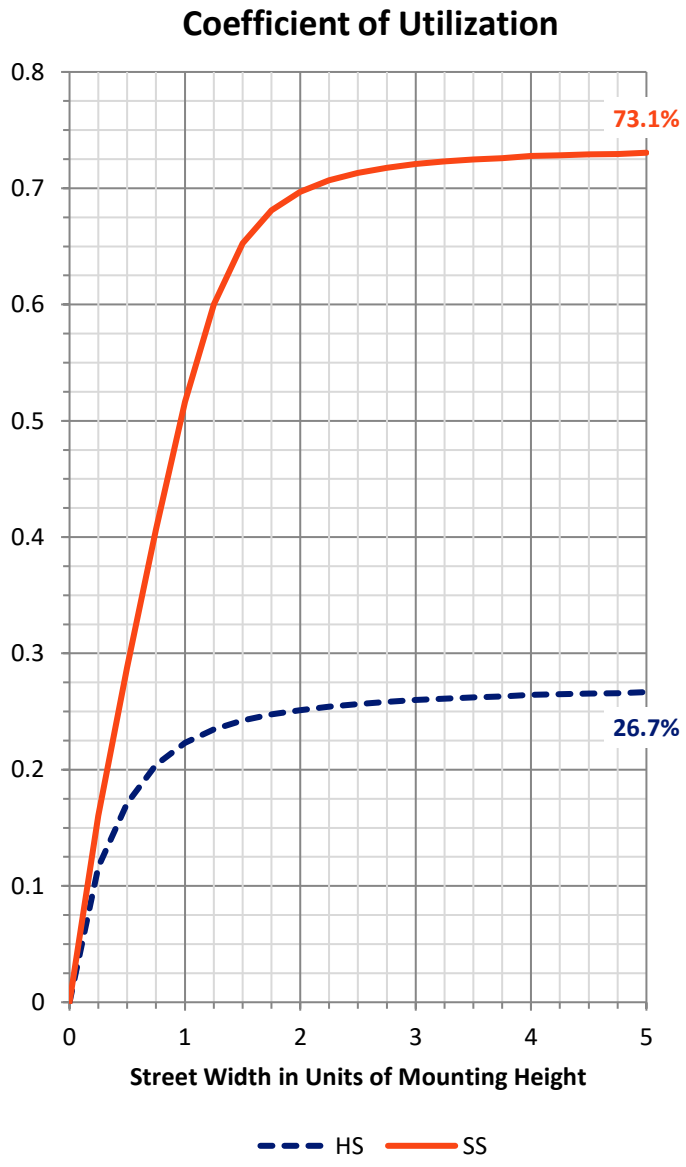
REPORT NUMBER: P1501522
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2521.8	0.0	2521.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6856.1	0.0	6856.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	9377.9	0.0	9377.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	1.5
10°-20°	407.8	4.3
20°-30°	772.5	8.2
30°-40°	1361.9	14.5
40°-50°	2014.0	21.5
50°-60°	2365.0	25.2
60°-70°	1713.6	18.3
70°-80°	528.5	5.6
80°-90°	72.7	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°	9377.9	100.0
0°-180°	9377.9	100.0



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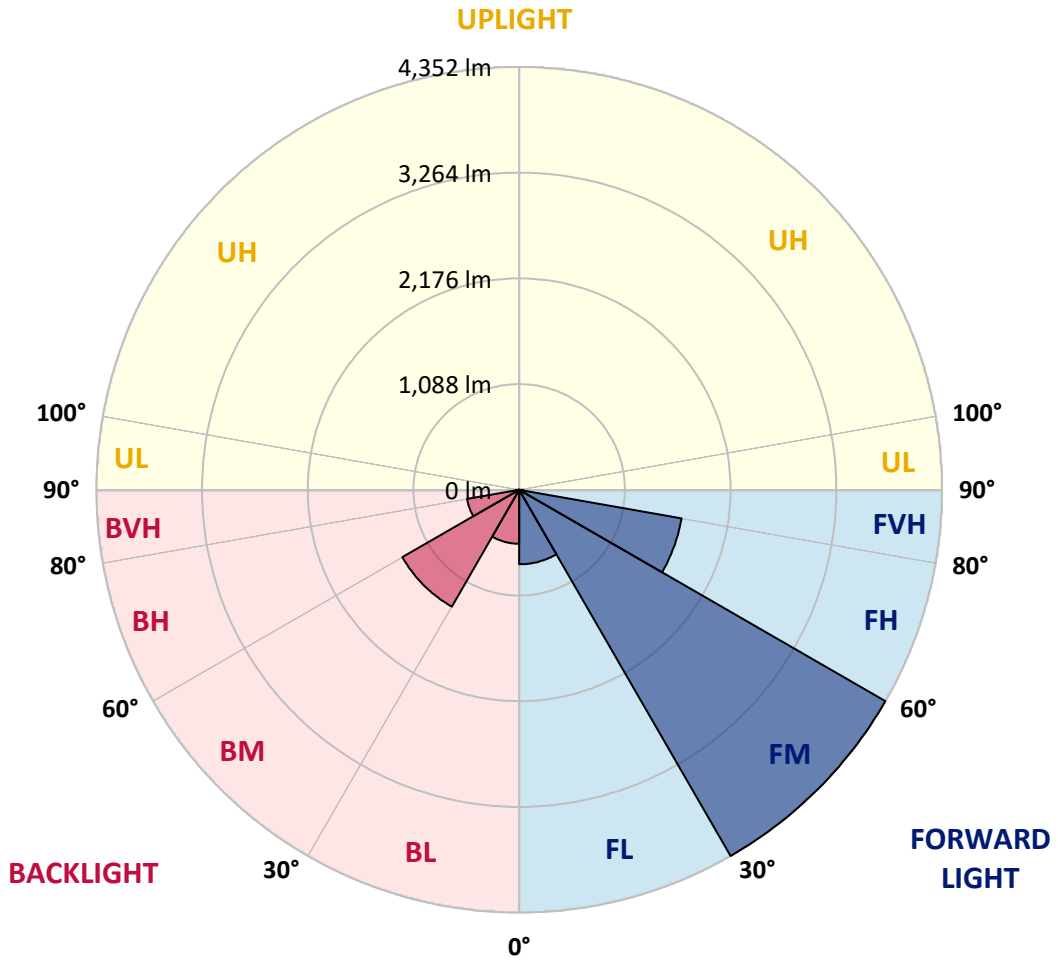
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	766.8	8.2			
FM	(30°-60°)	4352.3	46.4			
FH	(60°-80°)	1697.7	18.1			G1/1800
FVH	(80°-90°)	39.2	0.4			G1/100
BL	(0°-30°)	555.4	5.9	B2/1000		
BM	(30°-60°)	1388.6	14.8	B2/2500		
BH	(60°-80°)	544.3	5.8	B2/1000		G2/1000
BVH	(80°-90°)	33.5	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°	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9
2.5°	1538.8	1543.1	1536.6	1540.9	1540.9	1534.5	1532.4	1523.8	1528.1	1526.0	1523.8
5°	1575.1	1577.3	1573.0	1579.4	1579.4	1581.5	1579.4	1568.7	1568.7	1568.7	1564.4
7.5°	1564.4	1564.4	1566.6	1587.9	1609.3	1637.1	1637.1	1632.8	1637.1	1635.0	1615.7
10°	1474.7	1483.2	1502.4	1555.9	1607.2	1667.0	1707.6	1720.4	1720.4	1722.6	1690.5
12.5°	1314.4	1320.8	1365.7	1446.9	1553.7	1662.7	1761.0	1825.2	1831.6	1842.3	1799.5
15°	1171.2	1175.5	1207.5	1290.9	1412.7	1605.0	1791.0	1923.5	1944.8	1989.7	1925.6
17.5°	1184.0	1181.9	1190.4	1222.5	1310.1	1511.0	1784.6	2038.9	2077.4	2156.4	2100.9
20°	1260.9	1260.9	1267.4	1273.8	1305.8	1442.6	1737.5	2132.9	2207.7	2361.6	2297.5
22.5°	1382.8	1382.8	1380.6	1391.3	1391.3	1472.5	1739.7	2203.4	2314.6	2590.3	2528.3
25°	1551.6	1543.1	1543.1	1547.3	1528.1	1585.8	1793.1	2276.1	2421.4	2861.7	2808.3
27.5°	1741.8	1748.2	1744.0	1729.0	1703.3	1748.2	1921.3	2389.4	2541.1	3148.1	3126.7
30°	1949.1	1951.3	1955.5	1947.0	1925.6	1957.7	2122.2	2560.4	2699.3	3447.3	3494.3
32.5°	2152.2	2182.1	2171.4	2150.0	2158.6	2216.3	2370.2	2791.2	2934.4	3725.1	3891.8
35°	2410.8	2421.4	2464.2	2385.1	2387.2	2485.6	2686.5	3094.7	3233.6	4013.7	4289.4
37.5°	2786.9	2806.1	2786.9	2662.9	2643.7	2780.5	2994.2	3393.9	3494.3	4231.6	4659.1
40°	3156.6	3180.1	3212.2	3066.9	2945.1	3058.3	3284.9	3622.5	3727.3	4351.3	4904.9
42.5°	3462.3	3500.7	3466.5	3423.8	3312.7	3334.0	3487.9	3799.9	3904.7	4503.1	5152.8
45°	3720.9	3727.3	3742.2	3712.3	3656.7	3637.5	3661.0	3955.9	4071.4	4571.5	5274.6
47.5°	3827.7	3855.5	3868.3	3919.6	3977.3	3938.9	3808.5	4028.6	4133.3	4567.2	5313.1
50°	3770.0	3797.8	3866.2	3988.0	4126.9	4195.3	3981.6	4129.1	4246.6	4644.1	5392.1
52.5°	3618.3	3648.2	3759.3	3898.2	4131.2	4287.2	4225.2	4338.5	4451.8	4780.9	5524.7
55°	3250.7	3295.6	3451.6	3682.4	4003.0	4238.1	4481.7	4646.3	4770.2	4945.5	5661.4
57.5°	2716.4	2763.4	2938.6	3284.9	3765.7	4035.0	4556.5	5223.3	5278.9	5142.1	5674.3
60°	*2034.6*	*2073.1*	*2321.0*	*2598.8*	*3163.0*	*3663.2*	*4513.8*	*5770.4*	*5911.5*	*5107.9*	*5266.1*
62.5°	1611.4	1658.5	1878.6	2006.8	2410.8	3026.3	4364.2	5922.2	6044.0	4825.8	4697.6
65°	1258.8	1290.9	1496.0	1679.8	1778.1	2066.7	3740.1	5180.6	5289.6	4366.3	3876.9
67.5°	831.4	880.5	1124.2	1376.4	1427.6	1314.4	2573.2	3985.9	4037.2	3470.8	2915.1
70°	596.3	619.8	801.4	1070.7	1147.7	880.5	1402.0	3017.7	3032.7	2329.5	1964.1
72.5°	406.1	410.3	545.0	820.7	914.7	639.0	771.5	1987.6	1936.3	1149.8	1124.2
75°	275.7	280.0	348.4	547.1	647.6	444.5	502.2	1083.6	1040.8	634.7	681.8
77.5°	185.9	190.2	239.4	367.6	431.7	307.8	367.6	572.8	562.1	421.0	365.5
80°	141.1	147.5	177.4	235.1	301.3	179.5	209.4	271.4	275.7	224.4	185.9
82.5°	79.1	87.6	106.9	119.7	194.5	100.4	100.4	162.4	156.0	138.9	100.4
85°	34.2	36.3	42.7	44.9	79.1	42.7	36.3	70.5	72.7	68.4	32.1
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.5	8.5	8.5	8.5
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°	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9
2.5°	1513.1	1526.0	1513.1	1506.7	1506.7	1496.0	1491.8	1491.8	1476.8	1483.2	1478.9
5°	1547.3	1551.6	1536.6	1517.4	1491.8	1470.4	1440.5	1402.0	1378.5	1376.4	1378.5
7.5°	1600.8	1602.9	1562.3	1519.5	1455.4	1378.5	1286.6	1211.8	1145.5	1134.9	1147.7
10°	1675.6	1671.3	1611.4	1511.0	1376.4	1213.9	1072.9	1004.5	966.0	963.9	961.7
12.5°	1776.0	1748.2	1656.3	1474.7	1239.6	1051.5	978.8	974.6	985.2	993.8	995.9
15°	1891.4	1855.1	1692.7	1404.1	1100.7	991.7	995.9	1032.3	1045.1	1053.6	1053.6
17.5°	2034.6	1987.6	1733.3	1303.7	1030.1	1004.5	1034.4	1068.6	1090.0	1098.5	1096.4
20°	2224.8	2126.5	1765.3	1207.5	1010.9	1025.9	1051.5	1085.7	1107.1	1117.8	1117.8
22.5°	2415.0	2293.2	1771.7	1141.3	1010.9	1028.0	1051.5	1085.7	1109.2	1119.9	1117.8
25°	2673.6	2506.9	1773.9	1094.2	1013.0	1017.3	1038.7	1068.6	1102.8	1113.5	1117.8
27.5°	2949.3	2742.0	1784.6	1083.6	1004.5	1002.3	1017.3	1045.1	1079.3	1107.1	1109.2
30°	3291.3	3007.0	1788.8	1094.2	1006.6	978.8	989.5	1017.3	1053.6	1081.4	1090.0
32.5°	3626.8	3252.8	1780.3	1117.8	1010.9	963.9	966.0	983.1	1021.6	1040.8	1055.8
35°	3981.6	3513.6	1765.3	1149.8	1013.0	957.5	938.2	946.8	972.4	974.6	981.0
37.5°	4259.4	3708.0	1720.4	1192.6	1017.3	934.0	895.5	889.1	878.4	857.0	861.3
40°	4488.1	3838.4	1645.6	1213.9	1006.6	906.2	842.1	812.1	771.5	739.5	745.9
42.5°	4652.7	3926.0	1555.9	1218.2	989.5	859.2	780.1	728.8	683.9	649.7	651.8
45°	4725.3	3917.5	1459.7	1186.1	948.9	801.4	722.4	673.2	624.1	587.7	583.5
47.5°	4727.5	3834.1	1327.2	1109.2	880.5	735.2	668.9	615.5	574.9	549.3	547.1
50°	4744.6	3787.1	1203.2	998.1	790.8	664.7	621.9	568.5	545.0	508.7	498.0
52.5°	4851.4	3864.1	1117.8	876.3	707.4	613.4	581.3	534.3	495.8	472.3	470.2
55°	5024.5	3996.6	1070.7	784.4	628.3	564.2	542.8	502.2	468.0	444.5	438.1
57.5°	5045.9	4064.9	1015.2	698.9	564.2	525.8	517.2	472.3	423.2	406.1	399.7
60°	*4746.7*	*3949.5*	*946.8*	*619.8*	*517.2*	*495.8*	*491.6*	*431.7*	*391.1*	*369.7*	*361.2*
62.5°	4338.5	3661.0	842.1	547.1	480.9	465.9	448.8	401.8	350.5	327.0	320.6
65°	3545.6	3077.6	716.0	498.0	444.5	427.4	423.2	359.0	324.9	312.0	309.9
67.5°	2686.5	2472.7	630.5	461.6	406.1	399.7	384.7	363.3	348.4	333.4	329.1
70°	1900.0	1784.6	536.4	414.6	367.6	356.9	418.9	395.4	342.0	322.7	320.6
72.5°	1151.9	1119.9	463.8	371.9	316.3	333.4	386.8	356.9	307.8	284.2	275.7
75°	726.6	664.7	389.0	316.3	252.2	271.4	337.7	318.4	265.0	241.5	235.1
77.5°	395.4	367.6	292.8	258.6	198.8	220.1	294.9	262.9	211.6	230.8	205.2
80°	173.1	192.3	194.5	149.6	132.5	162.4	211.6	205.2	162.4	164.6	136.8
82.5°	83.4	109.0	126.1	102.6	74.8	96.2	141.1	117.5	109.0	102.6	98.3
85°	25.6	40.6	55.6	49.2	34.2	40.6	66.3	64.1	76.9	66.3	62.0
87.5°	8.5	8.5	6.4	6.4	6.4	8.5	10.7	6.4	2.1	2.1	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°	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9
2.5°	1476.8	1478.9	1478.9	1481.1	1481.1	1487.5	1496.0	1504.6	1498.2	1506.7	1508.9
5°	1374.2	1384.9	1393.5	1425.5	1451.2	1472.5	1496.0	1517.4	1523.8	1528.1	1538.8
7.5°	1132.7	1162.6	1218.2	1290.9	1372.1	1451.2	1504.6	1560.2	1568.7	1579.4	1594.3
10°	963.9	976.7	1015.2	1090.0	1235.3	1391.3	1521.7	1609.3	1645.6	1667.0	1682.0
12.5°	991.7	983.1	976.7	987.4	1081.4	1282.3	1511.0	1679.8	1748.2	1771.7	1791.0
15°	1057.9	1049.4	1025.9	995.9	1006.6	1166.9	1474.7	1746.1	1855.1	1893.6	1934.2
17.5°	1096.4	1087.8	1068.6	1036.5	1008.8	1070.7	1406.3	1805.9	2023.9	2070.9	2128.6
20°	1117.8	1109.2	1090.0	1057.9	1025.9	1034.4	1318.6	1880.7	2216.3	2291.1	2376.6
22.5°	1122.0	1111.3	1090.0	1057.9	1038.7	1032.3	1235.3	1925.6	2423.6	2539.0	2637.3
25°	1119.9	1100.7	1072.9	1049.4	1038.7	1036.5	1177.6	1951.3	2648.0	2831.8	2942.9
27.5°	1104.9	1081.4	1053.6	1036.5	1032.3	1045.1	1151.9	1981.2	2910.9	3146.0	3323.3
30°	1087.8	1053.6	1019.4	1013.0	1023.7	1064.3	1173.3	1991.9	3186.6	3487.9	3669.6
32.5°	1043.0	1017.3	983.1	981.0	1006.6	1079.3	1222.5	1976.9	3430.2	3829.9	4058.5
35°	978.8	963.9	944.6	951.1	991.7	1092.1	1256.7	1929.9	3652.5	4148.3	4415.4
37.5°	865.6	876.3	886.9	901.9	953.2	1090.0	1271.6	1855.1	3836.3	4402.6	4744.6
40°	739.5	775.8	810.0	848.5	916.9	1072.9	1275.9	1763.2	3943.1	4595.0	5037.4
42.5°	660.4	694.6	737.3	792.9	867.7	1034.4	1271.6	1660.6	3977.3	4727.5	5223.3
45°	587.7	628.3	681.8	739.5	825.0	978.8	1233.2	1549.5	3994.4	4789.5	5302.4
47.5°	549.3	572.8	621.9	679.6	769.4	910.4	1158.4	1468.3	3968.8	4802.3	5398.6
50°	504.4	536.4	568.5	624.1	711.7	825.0	1068.6	1421.2	4011.5	4928.4	5550.3
52.5°	470.2	487.3	521.5	572.8	636.9	745.9	983.1	1382.8	4129.1	5056.6	5708.5
55°	444.5	463.8	485.1	527.9	577.0	666.8	895.5	1325.1	4265.8	5193.4	5866.6
57.5°	403.9	416.8	446.7	491.6	523.6	589.9	792.9	1256.7	4255.2	5086.5	5593.0
60°	*367.6*	*380.4*	*412.5*	*457.4*	*476.6*	*521.5*	*692.5*	*1169.0*	*4050.0*	*4738.2*	*5088.7*
62.5°	327.0	342.0	380.4	412.5	429.6	463.8	587.7	1008.8	3622.5	4214.6	4498.8
65°	309.9	318.4	344.1	382.6	380.4	412.5	495.8	792.9	2915.1	3220.8	3479.4
67.5°	329.1	342.0	337.7	348.4	342.0	359.0	444.5	636.9	2291.1	2425.7	2575.3
70°	324.9	354.8	369.7	348.4	299.2	318.4	384.7	508.7	1639.2	1626.4	1620.0
72.5°	284.2	314.2	356.9	378.3	292.8	265.0	333.4	440.3	1051.5	1047.2	946.8
75°	241.5	262.9	314.2	342.0	252.2	213.7	286.4	374.0	628.3	636.9	568.5
77.5°	222.3	211.6	262.9	301.3	205.2	164.6	230.8	282.1	346.2	350.5	324.9
80°	160.3	153.9	196.6	220.1	156.0	117.5	130.4	175.3	185.9	166.7	173.1
82.5°	102.6	104.7	117.5	141.1	96.2	64.1	89.8	117.5	100.4	81.2	96.2
85°	66.3	74.8	62.0	72.7	29.9	29.9	38.5	51.3	34.2	23.5	25.6
87.5°	0.0	0.0	4.3	8.5	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: P1501522
CATALOG NUMBER: GSS-SB2B-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1508.9	1508.9	*1508.9*	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9	1508.9
2.5°	1515.3	1513.1	*1513.1*	1517.4	1528.1	1532.4	1538.8	1536.6	1543.1	1538.8
5°	1545.2	1547.3	*1553.7*	1555.9	1562.3	1570.8	1573.0	1570.8	1575.1	1575.1
7.5°	1605.0	1613.6	*1609.3*	1620.0	1611.4	1600.8	1583.7	1570.8	1560.2	1564.4
10°	1705.5	1701.2	*1699.1*	1679.8	1641.4	1585.8	1540.9	1491.8	1483.2	1474.7
12.5°	1816.6	1812.3	*1812.3*	1746.1	1637.1	1521.7	1419.1	1342.2	1316.5	1314.4
15°	1972.6	1944.8	*1919.2*	1780.3	1562.3	1365.7	1246.0	1186.1	1171.2	1171.2
17.5°	2167.1	2094.5	*2051.7*	1754.6	1440.5	1263.1	1192.6	1177.6	1173.3	1184.0
20°	2408.6	2224.8	*2162.8*	1696.9	1395.6	1275.9	1241.7	1243.8	1246.0	1260.9
22.5°	2673.6	2344.5	*2241.9*	1696.9	1440.5	1357.1	1340.0	1363.5	1369.9	1382.8
25°	2968.6	2451.4	*2312.4*	1786.7	1573.0	1511.0	1489.6	1513.1	1530.2	1551.6
27.5°	3299.8	2562.5	*2434.3*	1949.1	1744.0	1705.5	1682.0	1692.7	1716.2	1741.8
30°	3596.9	2748.4	*2620.2*	2197.0	1976.9	1929.9	1889.3	1906.4	1932.0	1949.1
32.5°	3859.8	2975.0	*2866.0*	2457.8	2244.1	2162.8	2118.0	2113.7	2165.0	2152.2
35°	4101.3	3242.1	*3137.4*	2754.8	2515.5	2415.0	2355.2	2432.1	2397.9	2410.8
37.5°	4291.5	3520.0	*3436.6*	3039.1	2797.6	2660.8	2624.5	2718.5	2771.9	2786.9
40°	4447.5	3761.5	*3673.8*	3321.2	3056.2	2955.7	3013.4	3169.5	3163.0	3156.6
42.5°	4567.2	3968.8	*3872.6*	3534.9	3304.1	3323.3	3368.2	3472.9	3498.6	3462.3
45°	4620.6	4099.1	*4022.2*	3703.8	3586.2	3697.3	3716.6	3761.5	3744.4	3720.9
47.5°	4682.6	4214.6	*4133.3*	3857.6	3891.8	4000.8	3962.4	3926.0	3864.1	3827.7
50°	4787.3	4351.3	*4282.9*	4082.0	4206.0	4169.7	4020.1	3938.9	3812.8	3770.0
52.5°	4986.1	4609.9	*4558.6*	4436.8	4353.5	4144.0	3962.4	3817.0	3676.0	3618.3
55°	5163.5	4960.4	*4930.5*	4768.1	4308.6	4009.4	3765.7	3541.3	3299.8	3250.7
57.5°	5266.1	5541.7	*5575.9*	4909.1	4103.4	3703.8	3344.7	2985.7	2757.0	2716.4
60°	*4960.4*	*6170.1*	*6187.2*	*4881.4*	*3733.7*	*3152.4*	*2605.2*	*2350.9*	*2105.1*	*2034.6*
62.5°	4539.4	6039.7	*6024.8*	4714.7	2972.8	2299.6	1979.0	1859.4	1669.2	1611.4
65°	3902.5	5031.0	*5048.1*	4073.5	1976.9	1662.7	1662.7	1511.0	1299.4	1258.8
67.5°	3180.1	3879.0	*3840.5*	2641.6	1213.9	1331.5	1395.6	1177.6	880.5	831.4
70°	2066.7	2962.2	*2908.7*	1523.8	763.0	1109.2	1098.5	884.8	630.5	596.3
72.5°	889.1	1711.9	*1820.9*	777.9	574.9	893.3	876.3	619.8	421.0	406.1
75°	536.4	861.3	*938.2*	495.8	418.9	673.2	607.0	393.2	286.4	275.7
77.5°	339.8	472.3	*468.0*	371.9	314.2	455.2	408.2	271.4	194.5	185.9
80°	196.6	233.0	*241.5*	233.0	211.6	324.9	260.7	196.6	151.7	141.1
82.5°	126.1	145.3	*147.5*	113.3	117.5	209.4	141.1	115.4	87.6	79.1
85°	55.6	62.0	*59.8*	38.5	38.5	85.5	49.2	47.0	34.2	34.2
87.5°	2.1	4.3	*2.1*	2.1	2.1	8.5	4.3	6.4	6.4	6.4
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

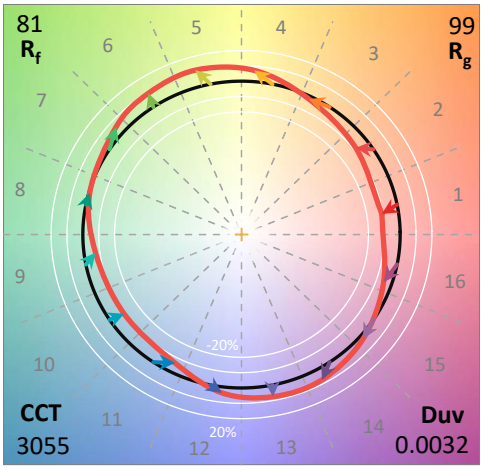
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

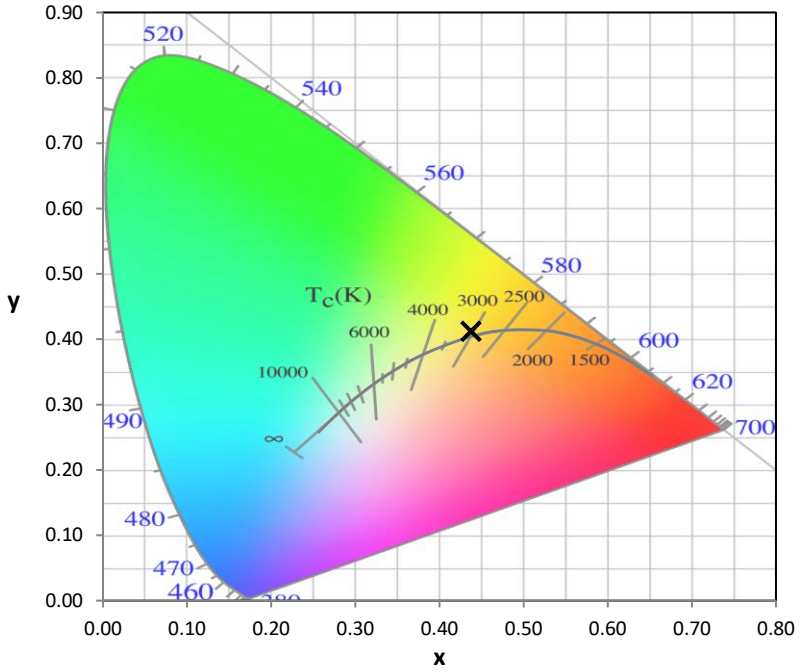
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

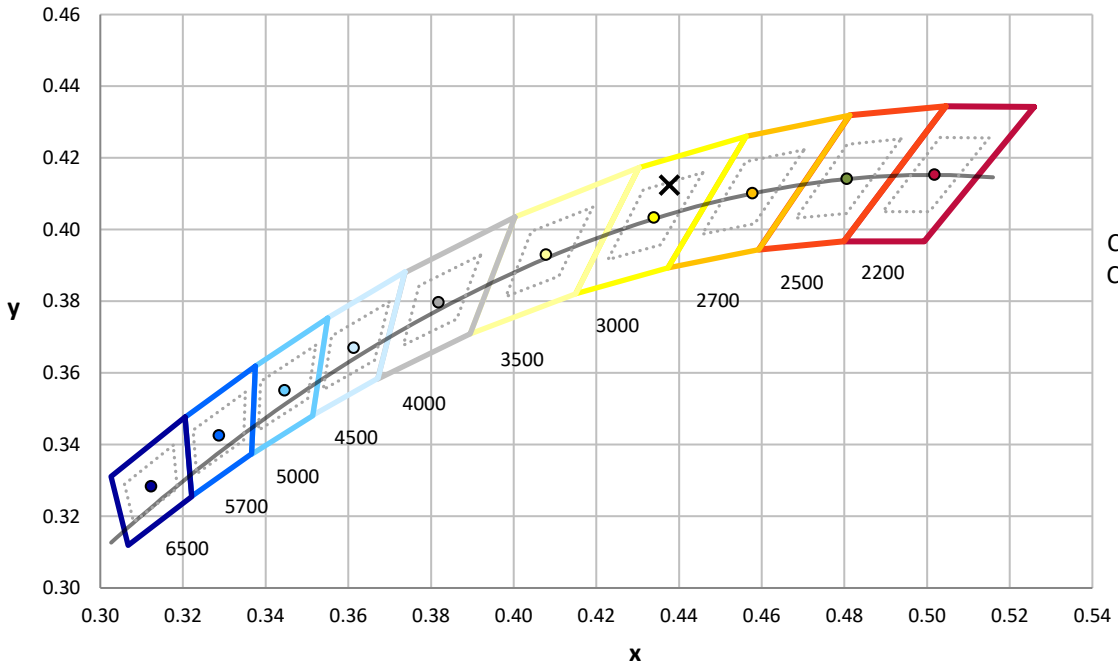
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

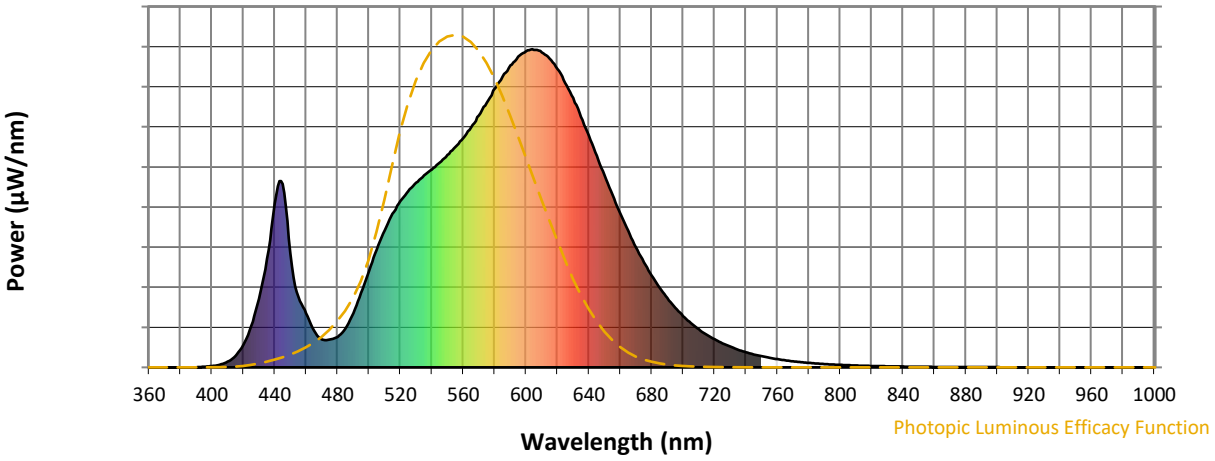


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

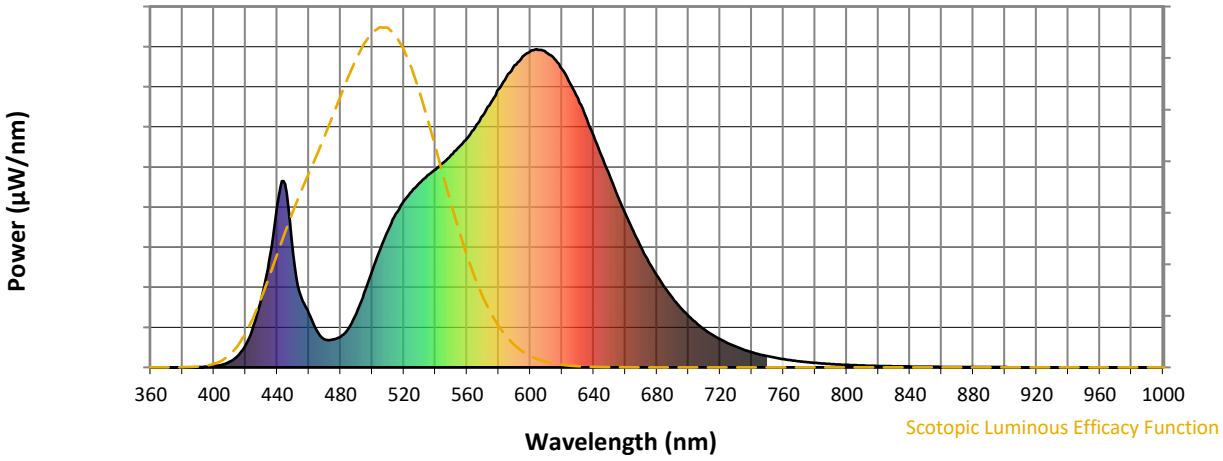


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

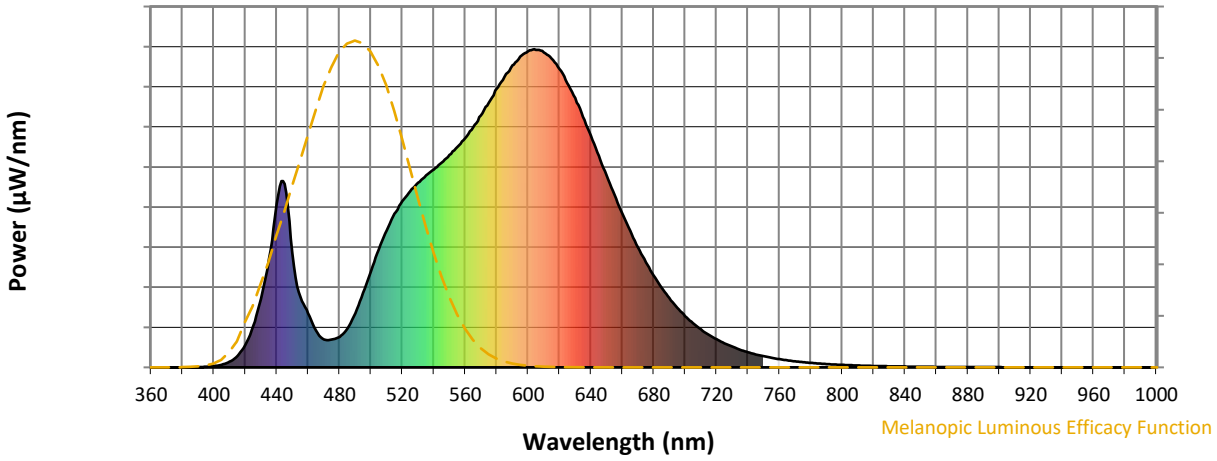


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

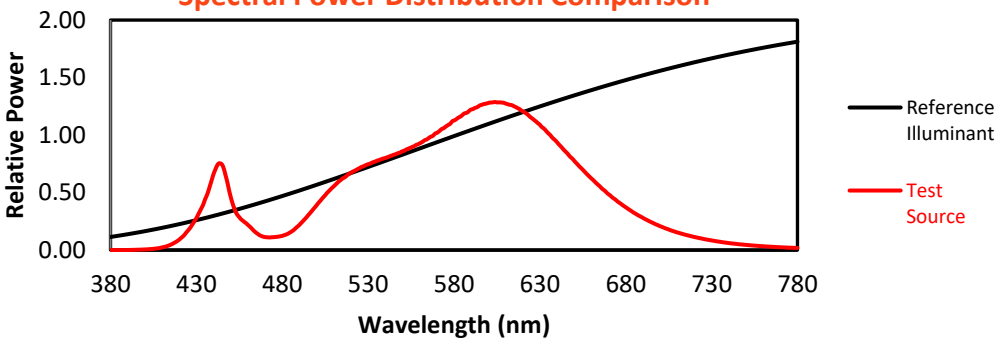
REPORT NUMBER: SP1-2407-184-9

TM-30-18

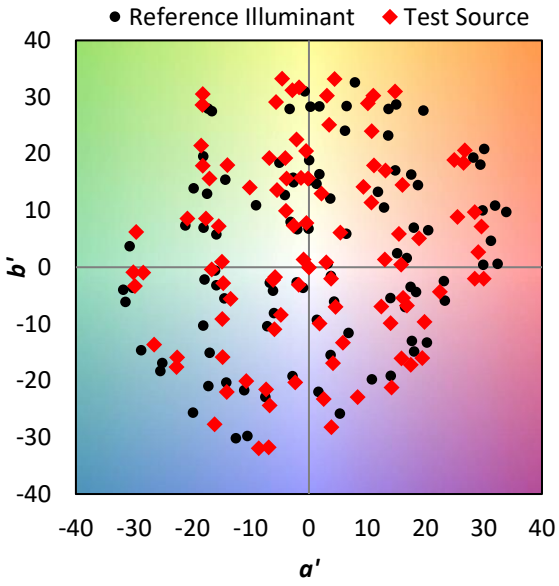
Summary

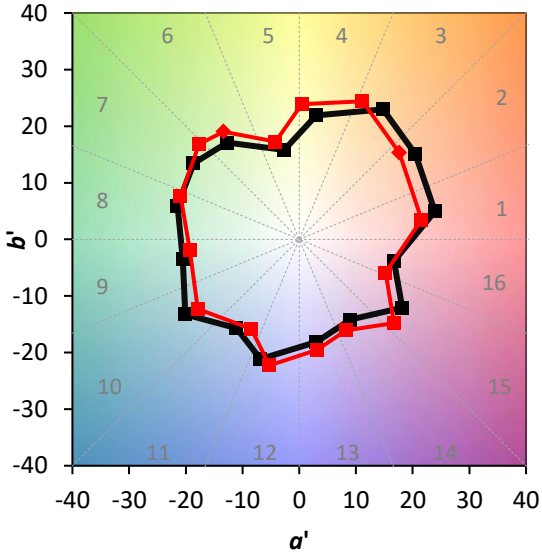
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

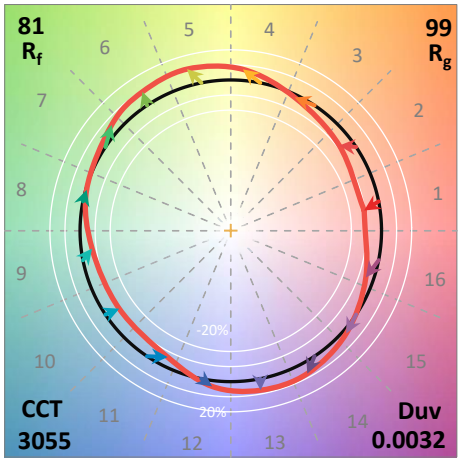
Spectral Power Distribution Comparison

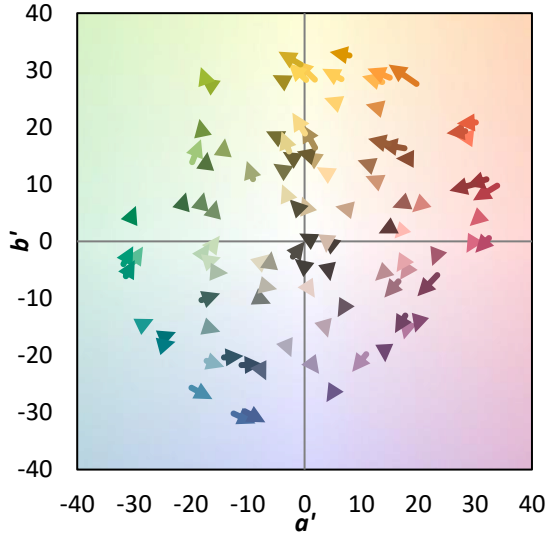


Color Vector Graphics







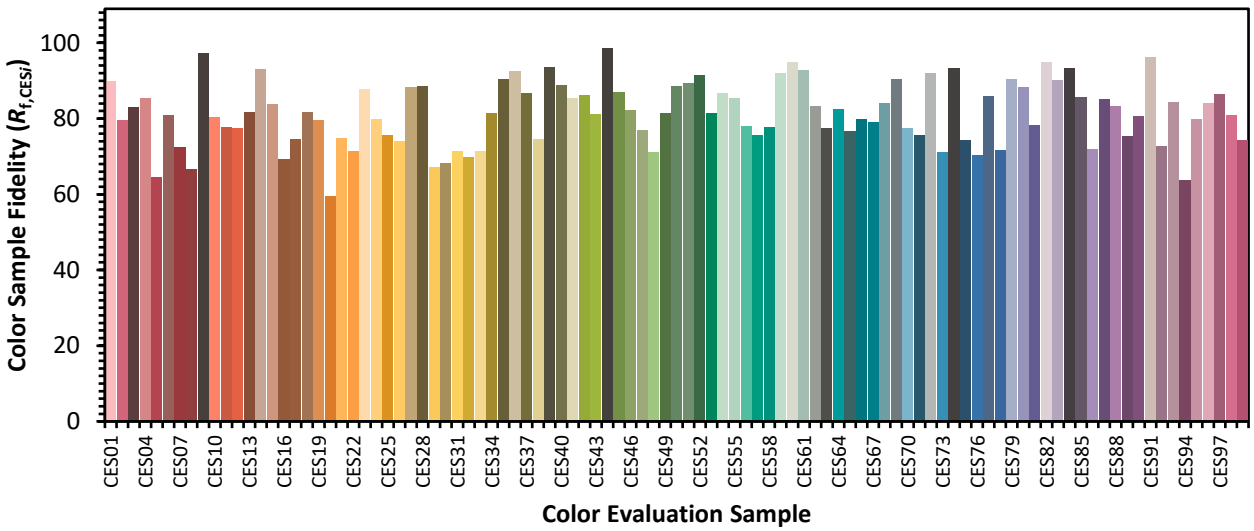


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Individual Sample Fidelity Index ($R_{f,i}$)

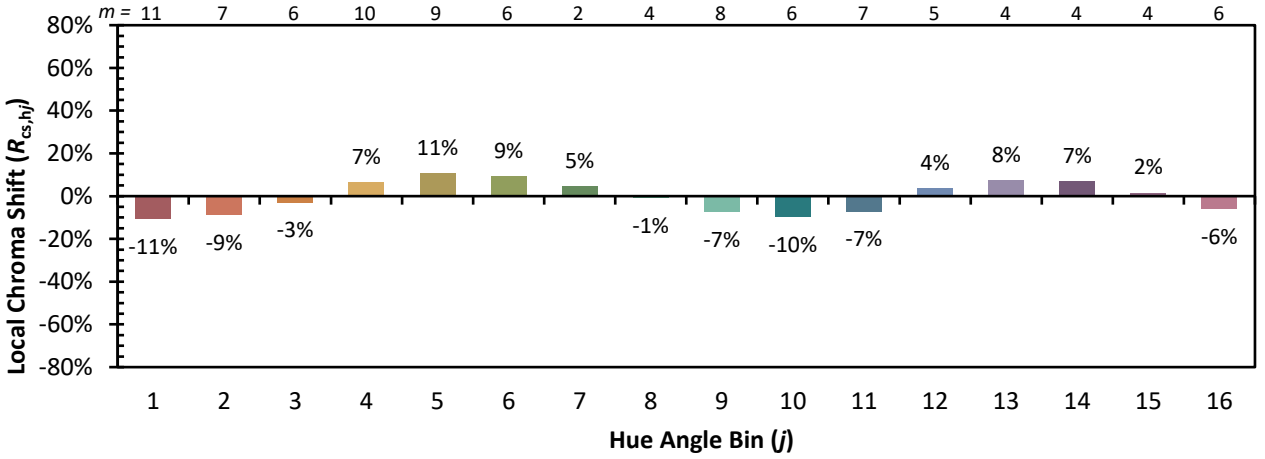
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

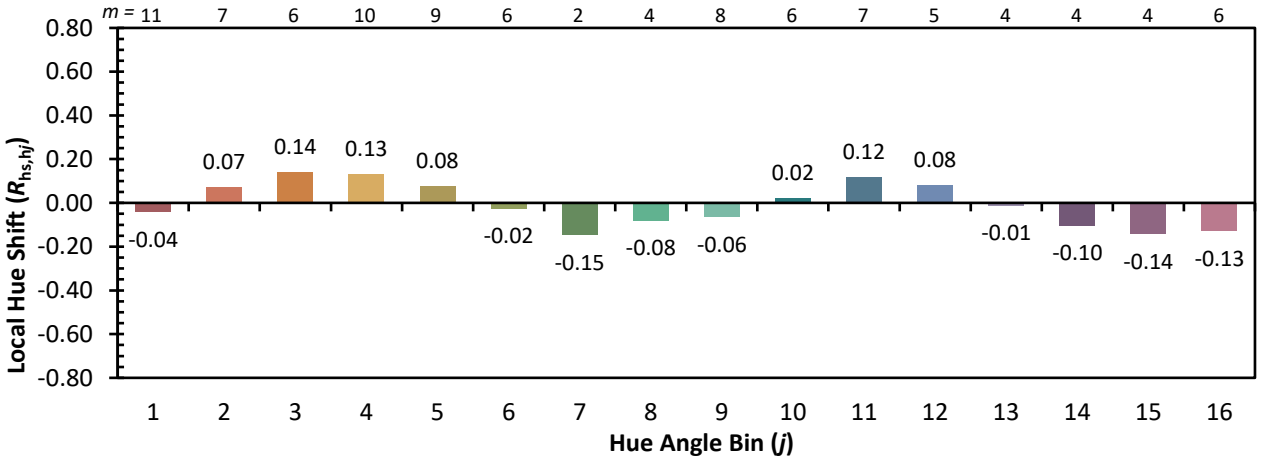


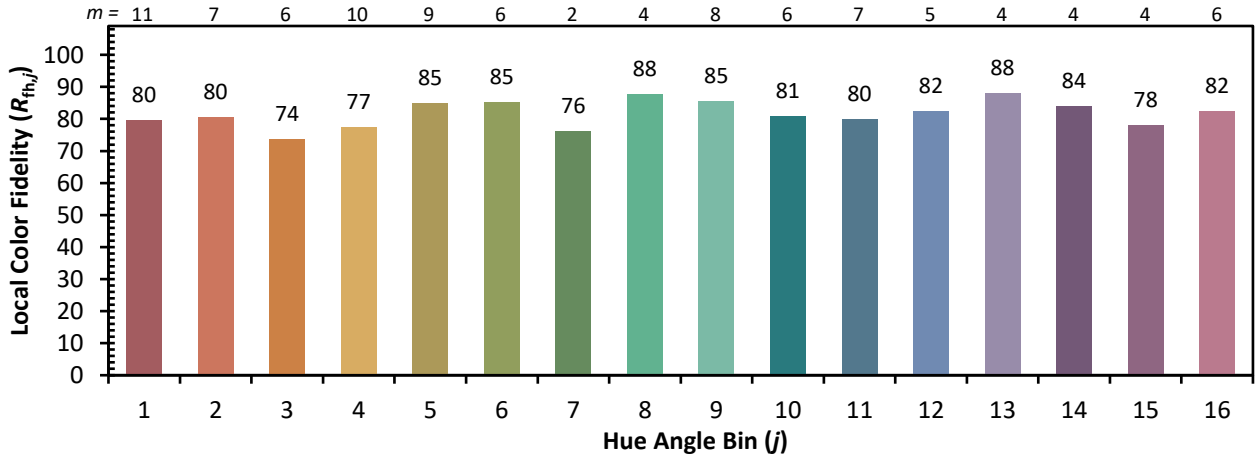
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Color Rendition by Hue-Angle Bin



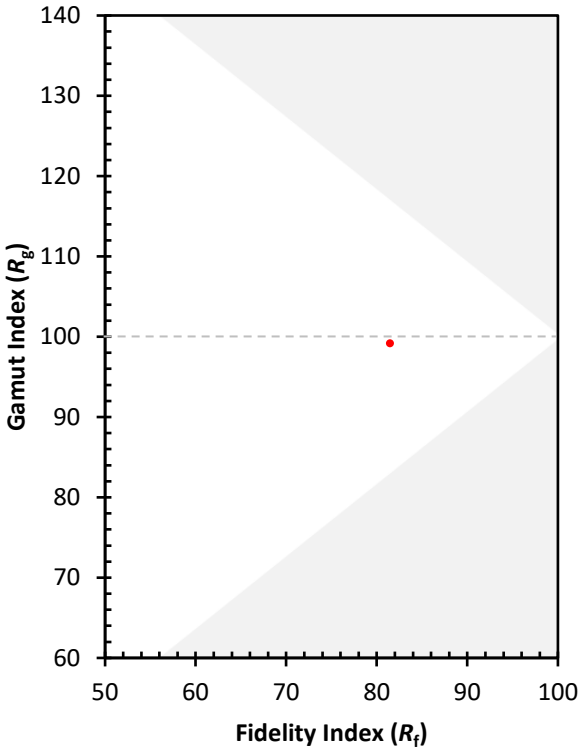


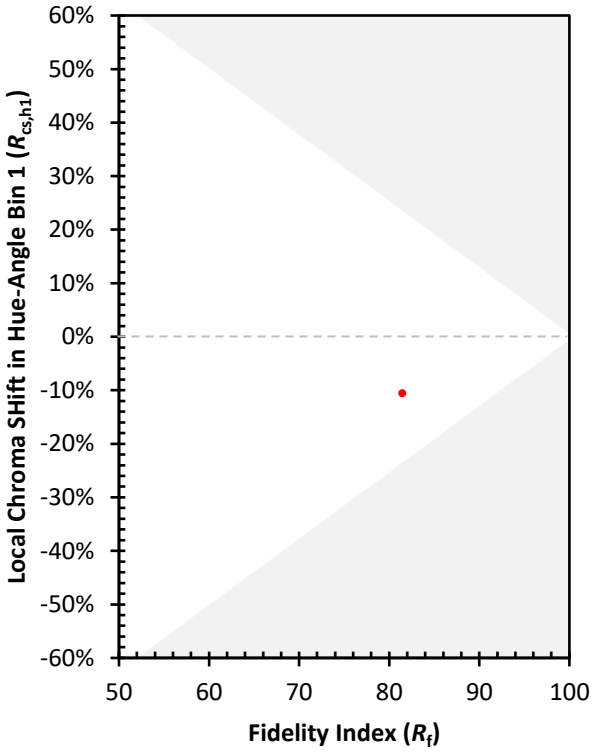


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Measure Comparisons





(END OF REPORT)