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: P1501520

Luminaire Tested: GSS-SB1D-830-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501520
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8325 lumens
Efficiency:	N/A
Efficacy:	109.5 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

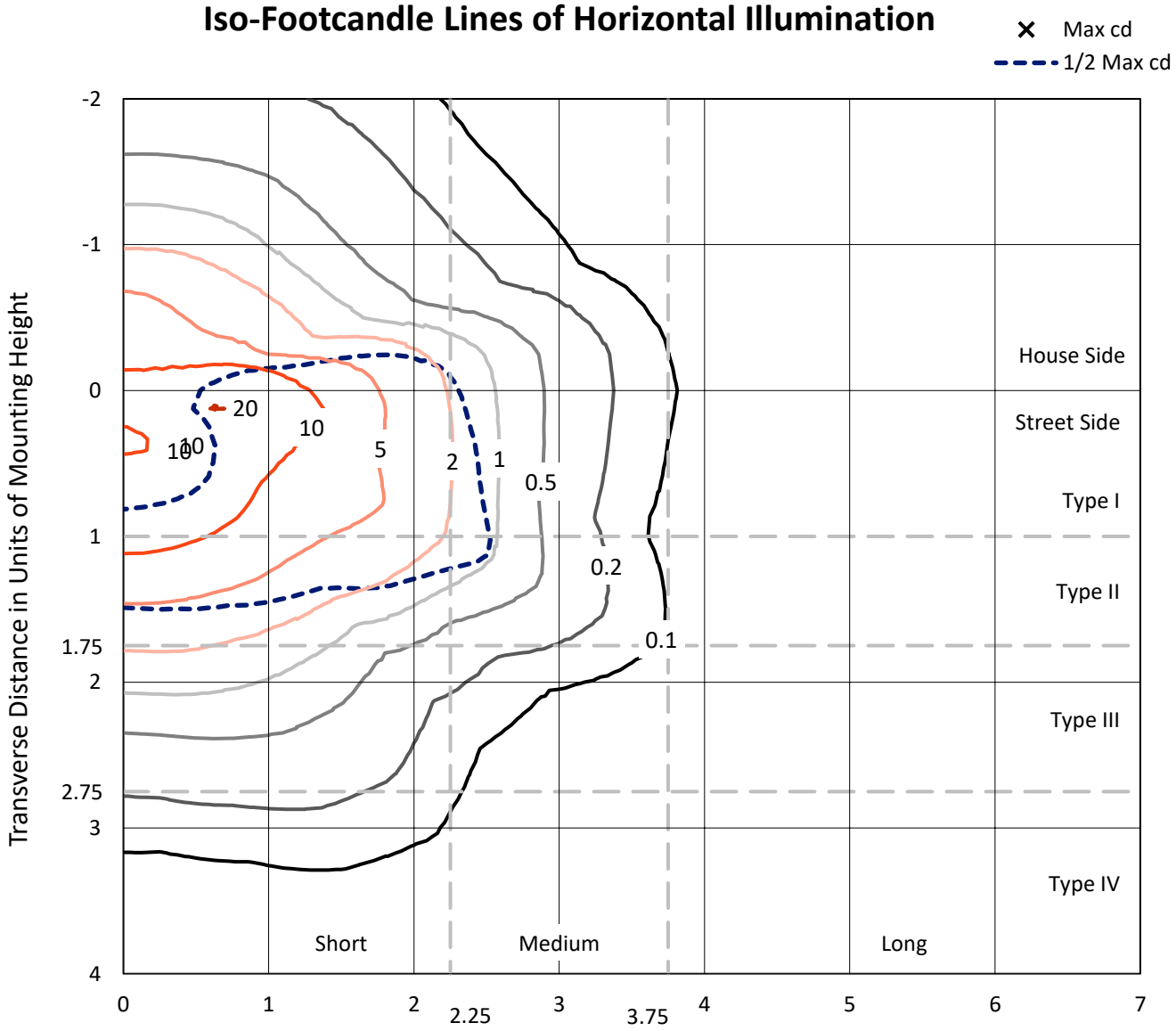
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



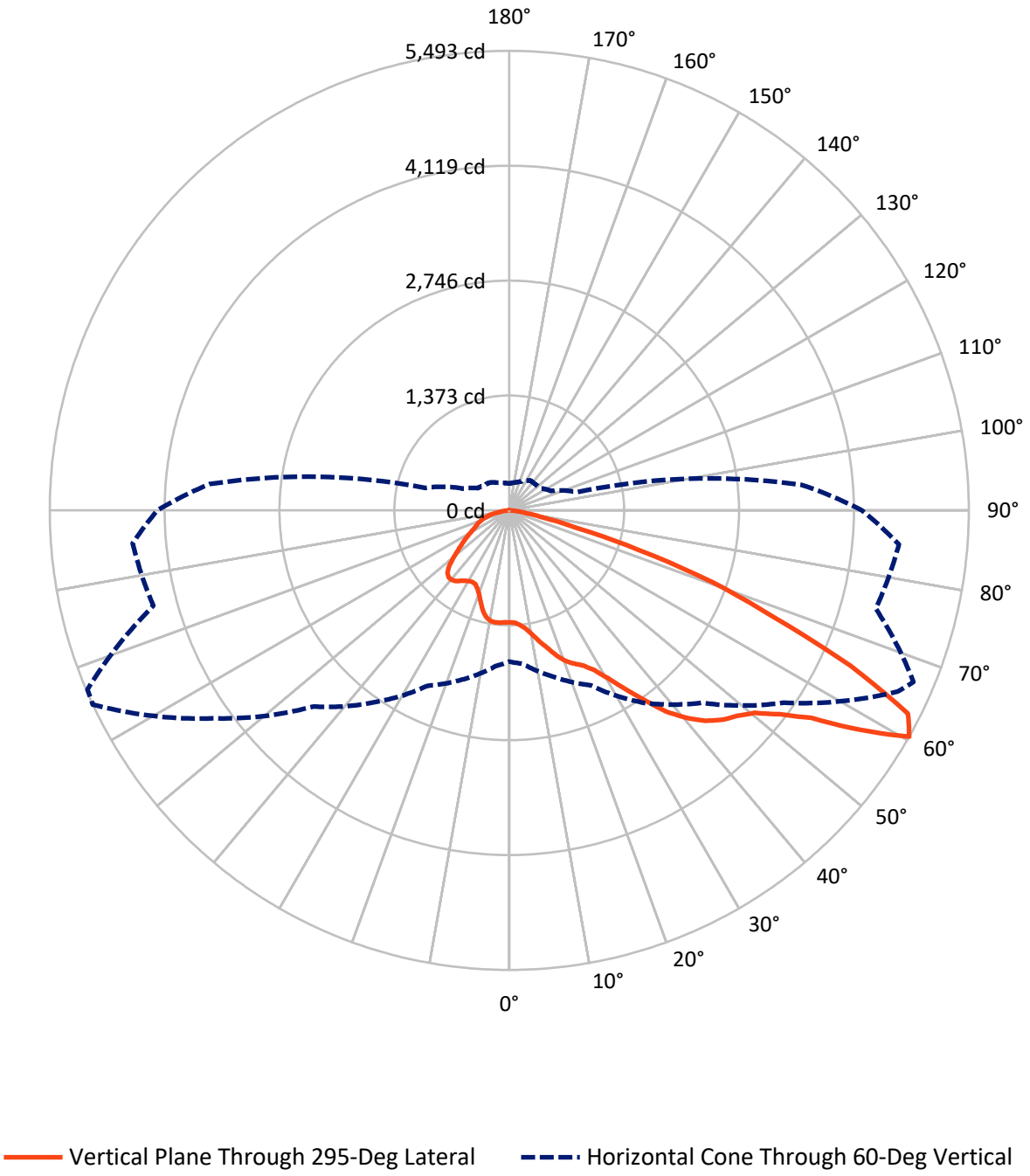
Based on 10 foot mounting height. Maximum calculated value = 20.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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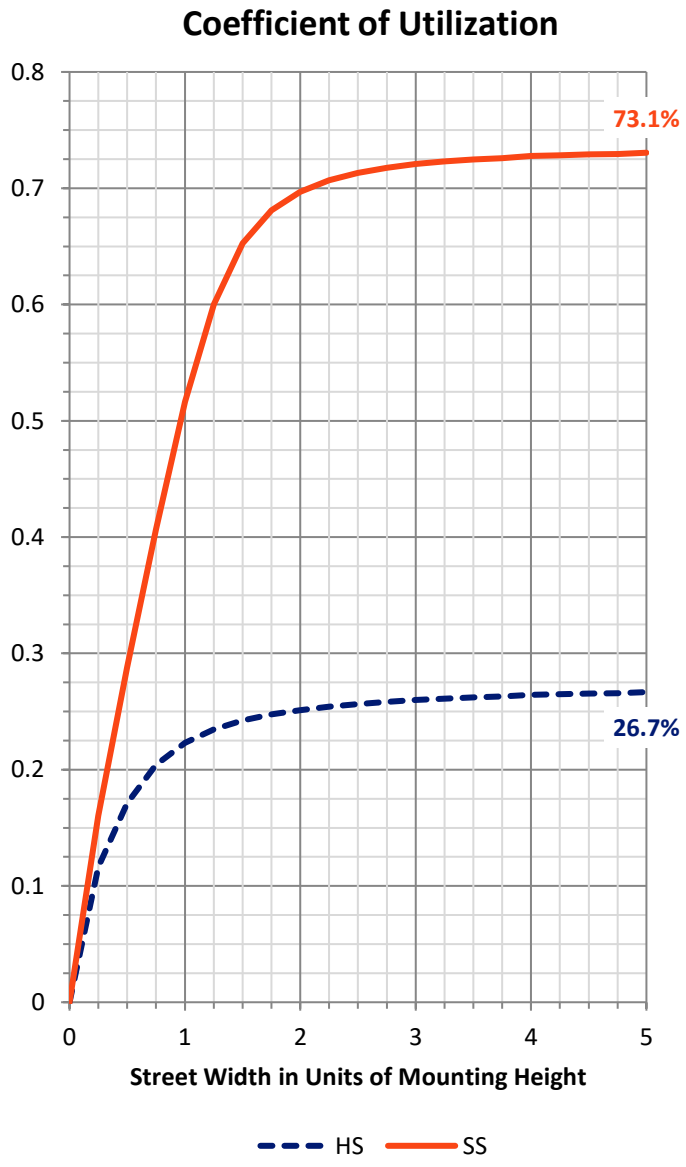
REPORT NUMBER: P1501520
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2238.7	0.0	2238.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6086.3	0.0	6086.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	8325.0	0.0	8325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	1.5
10°-20°	362.0	4.3
20°-30°	685.8	8.2
30°-40°	1209.0	14.5
40°-50°	1787.9	21.5
50°-60°	2099.5	25.2
60°-70°	1521.2	18.3
70°-80°	469.1	5.6
80°-90°	64.6	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°	8325.0	100.0
0°-180°	8325.0	100.0



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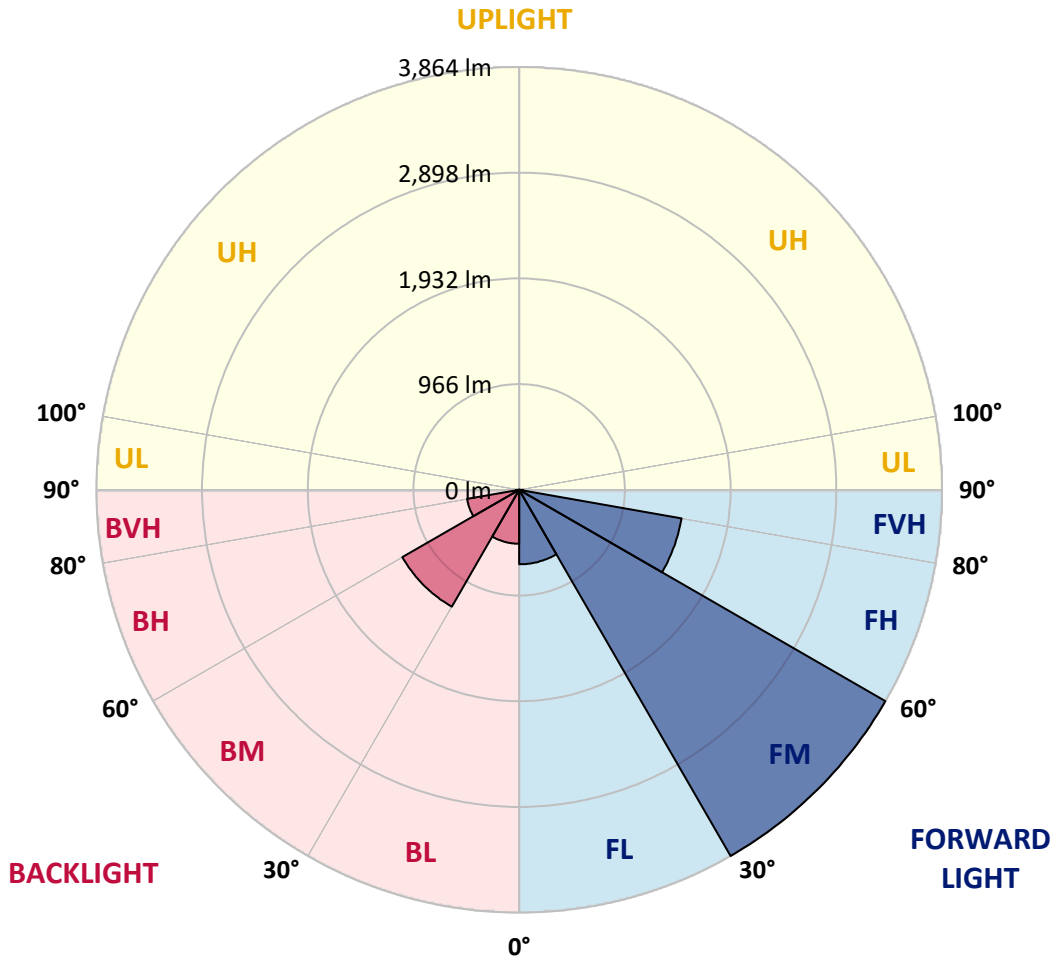
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	680.7	8.2			
FM	(30°-60°)	3863.7	46.4			
FH	(60°-80°)	1507.1	18.1			G1/1800
FVH	(80°-90°)	34.8	0.4			G1/100
BL	(0°-30°)	493.0	5.9	B1/500		
BM	(30°-60°)	1232.7	14.8	B2/2500		
BH	(60°-80°)	483.2	5.8	B1/500		G1/500
BVH	(80°-90°)	29.7	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°	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1366.0	1369.8	1364.1	1367.9	1367.9	1362.2	1360.3	1352.7	1356.5	1354.6	1352.7
5°	1398.3	1400.2	1396.4	1402.1	1402.1	1404.0	1402.1	1392.6	1392.6	1392.6	1388.8
7.5°	1388.8	1388.8	1390.7	1409.7	1428.6	1453.3	1453.3	1449.5	1453.3	1451.4	1434.3
10°	1309.1	1316.7	1333.8	1381.2	1426.7	1479.9	1515.9	1527.3	1527.3	1529.2	1500.7
12.5°	1166.8	1172.5	1212.3	1284.4	1379.3	1476.1	1563.3	1620.2	1625.9	1635.4	1597.5
15°	1039.7	1043.5	1071.9	1145.9	1254.1	1424.8	1589.9	1707.5	1726.5	1766.3	1709.4
17.5°	1051.1	1049.2	1056.8	1085.2	1163.0	1341.4	1584.2	1810.0	1844.1	1914.3	1865.0
20°	1119.4	1119.4	1125.1	1130.8	1159.2	1280.6	1542.5	1893.5	1959.9	2096.5	2039.5
22.5°	1227.5	1227.5	1225.6	1235.1	1235.1	1307.2	1544.4	1956.1	2054.7	2299.5	2244.4
25°	1377.4	1369.8	1369.8	1373.6	1356.5	1407.8	1591.8	2020.6	2149.6	2540.4	2493.0
27.5°	1546.3	1551.9	1548.2	1534.9	1512.1	1551.9	1705.6	2121.1	2255.8	2794.6	2775.7
30°	1730.3	1732.2	1736.0	1728.4	1709.4	1737.9	1884.0	2272.9	2396.2	3060.3	3102.0
32.5°	1910.5	1937.1	1927.6	1908.6	1916.2	1967.4	2104.0	2477.8	2604.9	3306.9	3454.9
35°	2140.1	2149.6	2187.5	2117.3	2119.2	2206.5	2384.8	2747.2	2870.5	3563.0	3807.8
37.5°	2474.0	2491.1	2474.0	2364.0	2346.9	2468.3	2658.0	3012.8	3102.0	3756.5	4136.0
40°	2802.2	2823.1	2851.6	2722.5	2614.4	2715.0	2916.1	3215.8	3308.8	3862.8	4354.2
42.5°	3073.5	3107.7	3077.3	3039.4	2940.7	2959.7	3096.3	3373.3	3466.3	3997.5	4574.3
45°	3303.1	3308.8	3322.1	3295.5	3246.2	3229.1	3250.0	3511.8	3614.3	4058.2	4682.4
47.5°	3398.0	3422.6	3434.0	3479.5	3530.8	3496.6	3380.9	3576.3	3669.3	4054.4	4716.6
50°	3346.7	3371.4	3432.1	3540.3	3663.6	3724.3	3534.6	3665.5	3769.8	4122.7	4786.7
52.5°	3212.0	3238.6	3337.3	3460.6	3667.4	3805.9	3750.9	3851.4	3952.0	4244.1	4904.4
55°	2885.7	2925.6	3064.1	3269.0	3553.5	3762.2	3978.5	4124.6	4234.7	4390.2	5025.8
57.5°	2411.4	2453.1	2608.7	2916.1	3342.9	3582.0	4044.9	4636.9	4686.2	4564.8	5037.2
60°	*1806.2*	*1840.3*	*2060.4*	*2307.1*	*2807.9*	*3251.9*	*4007.0*	*5122.6*	*5247.8*	*4534.4*	*4674.8*
62.5°	1430.5	1472.3	1667.7	1781.5	2140.1	2686.5	3874.2	5257.3	5365.4	4284.0	4170.1
65°	1117.5	1145.9	1328.1	1491.2	1578.5	1834.6	3320.2	4598.9	4695.7	3876.1	3441.6
67.5°	738.0	781.7	998.0	1221.8	1267.4	1166.8	2284.3	3538.4	3583.9	3081.1	2587.8
70°	529.3	550.2	711.5	950.5	1018.8	781.7	1244.6	2678.9	2692.2	2068.0	1743.6
72.5°	360.5	364.3	483.8	728.5	812.0	567.3	684.9	1764.4	1718.9	1020.7	998.0
75°	244.7	248.5	309.3	485.7	574.9	394.6	445.9	961.9	924.0	563.5	605.2
77.5°	165.1	168.9	212.5	326.3	383.2	273.2	326.3	508.5	499.0	373.8	324.4
80°	125.2	130.9	157.5	208.7	267.5	159.4	185.9	241.0	244.7	199.2	165.1
82.5°	70.2	77.8	94.9	106.2	172.6	89.2	89.2	144.2	138.5	123.3	89.2
85°	30.4	32.3	37.9	39.8	70.2	37.9	32.3	62.6	64.5	60.7	28.5
87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6	7.6
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°	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1343.2	1354.6	1343.2	1337.6	1337.6	1328.1	1324.3	1324.3	1311.0	1316.7	1312.9
5°	1373.6	1377.4	1364.1	1347.0	1324.3	1305.3	1278.7	1244.6	1223.7	1221.8	1223.7
7.5°	1421.0	1422.9	1386.9	1348.9	1292.0	1223.7	1142.1	1075.7	1016.9	1007.4	1018.8
10°	1487.4	1483.6	1430.5	1341.4	1221.8	1077.6	952.4	891.7	857.6	855.7	853.8
12.5°	1576.6	1551.9	1470.4	1309.1	1100.4	933.4	868.9	865.1	874.6	882.2	884.1
15°	1679.1	1646.8	1502.6	1246.5	977.1	880.3	884.1	916.4	927.8	935.3	935.3
17.5°	1806.2	1764.4	1538.7	1157.3	914.5	891.7	918.3	948.6	967.6	975.2	973.3
20°	1975.0	1887.8	1567.1	1071.9	897.4	910.7	933.4	963.8	982.8	992.3	992.3
22.5°	2143.9	2035.7	1572.8	1013.1	897.4	912.6	933.4	963.8	984.7	994.2	992.3
25°	2373.5	2225.5	1574.7	971.4	899.3	903.1	922.1	948.6	979.0	988.5	992.3
27.5°	2618.2	2434.2	1584.2	961.9	891.7	889.8	903.1	927.8	958.1	982.8	984.7
30°	2921.8	2669.4	1588.0	971.4	893.6	868.9	878.4	903.1	935.3	960.0	967.6
32.5°	3219.6	2887.6	1580.4	992.3	897.4	855.7	857.6	872.7	906.9	924.0	937.2
35°	3534.6	3119.1	1567.1	1020.7	899.3	850.0	832.9	840.5	863.2	865.1	870.8
37.5°	3781.2	3291.7	1527.3	1058.7	903.1	829.1	794.9	789.3	779.8	760.8	764.6
40°	3984.2	3407.5	1460.9	1077.6	893.6	804.4	747.5	721.0	684.9	656.4	662.1
42.5°	4130.3	3485.2	1381.2	1081.4	878.4	762.7	692.5	647.0	607.1	576.8	578.7
45°	4194.8	3477.7	1295.8	1053.0	842.4	711.5	641.3	597.6	554.0	521.7	517.9
47.5°	4196.7	3403.7	1178.2	984.7	781.7	652.7	593.8	546.4	510.4	487.6	485.7
50°	4211.9	3361.9	1068.1	886.0	702.0	590.0	552.1	504.7	483.8	451.5	442.1
52.5°	4306.7	3430.2	992.3	777.9	628.0	544.5	516.1	474.3	440.2	419.3	417.4
55°	4460.4	3547.8	950.5	696.3	557.8	500.9	481.9	445.9	415.5	394.6	388.9
57.5°	4479.4	3608.6	901.2	620.4	500.9	466.7	459.1	419.3	375.7	360.5	354.8
60°	*4213.8*	*3506.1*	*840.5*	*550.2*	*459.1*	*440.2*	*436.4*	*383.2*	*347.2*	*328.2*	*320.6*
62.5°	3851.4	3250.0	747.5	485.7	426.9	413.6	398.4	356.7	311.1	290.3	284.6
65°	3147.5	2732.0	635.6	442.1	394.6	379.4	375.7	318.7	288.4	277.0	275.1
67.5°	2384.8	2195.1	559.7	409.8	360.5	354.8	341.5	322.5	309.3	296.0	292.2
70°	1686.7	1584.2	476.2	368.1	326.3	316.8	371.9	351.0	303.6	286.5	284.6
72.5°	1022.6	994.2	411.7	330.1	280.8	296.0	343.4	316.8	273.2	252.3	244.7
75°	645.1	590.0	345.3	280.8	223.9	241.0	299.8	282.7	235.3	214.4	208.7
77.5°	351.0	326.3	259.9	229.6	176.4	195.4	261.8	233.4	187.8	204.9	182.1
80°	153.7	170.8	172.6	132.8	117.6	144.2	187.8	182.1	144.2	146.1	121.4
82.5°	74.0	96.8	111.9	91.1	66.4	85.4	125.2	104.3	96.8	91.1	87.3
85°	22.8	36.0	49.3	43.6	30.4	36.0	58.8	56.9	68.3	58.8	55.0
87.5°	7.6	7.6	5.7	5.7	5.7	7.6	9.5	5.7	1.9	1.9	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°	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1311.0	1312.9	1312.9	1314.8	1314.8	1320.5	1328.1	1335.7	1330.0	1337.6	1339.5
5°	1219.9	1229.4	1237.0	1265.5	1288.2	1307.2	1328.1	1347.0	1352.7	1356.5	1366.0
7.5°	1005.5	1032.1	1081.4	1145.9	1218.0	1288.2	1335.7	1385.0	1392.6	1402.1	1415.3
10°	855.7	867.0	901.2	967.6	1096.6	1235.1	1350.8	1428.6	1460.9	1479.9	1493.1
12.5°	880.3	872.7	867.0	876.5	960.0	1138.3	1341.4	1491.2	1551.9	1572.8	1589.9
15°	939.1	931.5	910.7	884.1	893.6	1035.9	1309.1	1550.0	1646.8	1681.0	1717.0
17.5°	973.3	965.7	948.6	920.2	895.5	950.5	1248.4	1603.2	1796.7	1838.4	1889.7
20°	992.3	984.7	967.6	939.1	910.7	918.3	1170.6	1669.6	1967.4	2033.8	2109.7
22.5°	996.1	986.6	967.6	939.1	922.1	916.4	1096.6	1709.4	2151.5	2253.9	2341.2
25°	994.2	977.1	952.4	931.5	922.1	920.2	1045.4	1732.2	2350.7	2513.8	2612.5
27.5°	980.9	960.0	935.3	920.2	916.4	927.8	1022.6	1758.7	2584.0	2792.7	2950.2
30°	965.7	935.3	905.0	899.3	908.8	944.8	1041.6	1768.2	2828.8	3096.3	3257.6
32.5°	925.9	903.1	872.7	870.8	893.6	958.1	1085.2	1755.0	3045.1	3399.9	3602.9
35°	868.9	855.7	838.6	844.3	880.3	969.5	1115.6	1713.2	3242.4	3682.6	3919.7
37.5°	768.4	777.9	787.4	800.6	846.2	967.6	1128.9	1646.8	3405.6	3908.3	4211.9
40°	656.4	688.7	719.1	753.2	813.9	952.4	1132.7	1565.2	3500.4	4079.1	4471.8
42.5°	586.2	616.6	654.5	703.9	770.3	918.3	1128.9	1474.2	3530.8	4196.7	4636.9
45°	521.7	557.8	605.2	656.4	732.3	868.9	1094.7	1375.5	3546.0	4251.7	4707.1
47.5°	487.6	508.5	552.1	603.3	683.0	808.2	1028.3	1303.4	3523.2	4263.1	4792.4
50°	447.7	476.2	504.7	554.0	631.8	732.3	948.6	1261.7	3561.1	4375.0	4927.1
52.5°	417.4	432.6	462.9	508.5	565.4	662.1	872.7	1227.5	3665.5	4488.9	5067.5
55°	394.6	411.7	430.7	468.6	512.3	591.9	794.9	1176.3	3786.9	4610.3	5207.9
57.5°	358.6	370.0	396.5	436.4	464.8	523.6	703.9	1115.6	3777.4	4515.4	4965.1
60°	*326.3*	*337.7*	*366.2*	*406.0*	*423.1*	*462.9*	*614.7*	*1037.8*	*3595.3*	*4206.2*	*4517.3*
62.5°	290.3	303.6	337.7	366.2	381.3	411.7	521.7	895.5	3215.8	3741.4	3993.7
65°	275.1	282.7	305.5	339.6	337.7	366.2	440.2	703.9	2587.8	2859.1	3088.7
67.5°	292.2	303.6	299.8	309.3	303.6	318.7	394.6	565.4	2033.8	2153.4	2286.2
70°	288.4	314.9	328.2	309.3	265.6	282.7	341.5	451.5	1455.2	1443.8	1438.1
72.5°	252.3	278.9	316.8	335.8	259.9	235.3	296.0	390.8	933.4	929.7	840.5
75°	214.4	233.4	278.9	303.6	223.9	189.7	254.2	332.0	557.8	565.4	504.7
77.5°	197.3	187.8	233.4	267.5	182.1	146.1	204.9	250.4	307.4	311.1	288.4
80°	142.3	136.6	174.5	195.4	138.5	104.3	115.7	155.6	165.1	148.0	153.7
82.5°	91.1	93.0	104.3	125.2	85.4	56.9	79.7	104.3	89.2	72.1	85.4
85°	58.8	66.4	55.0	64.5	26.6	26.6	34.2	45.5	30.4	20.9	22.8
87.5°	0.0	0.0	3.8	7.6	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: P1501520
CATALOG NUMBER: GSS-SB1D-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1339.5	1339.5	*1339.5*	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5	1339.5
2.5°	1345.1	1343.2	*1343.2*	1347.0	1356.5	1360.3	1366.0	1364.1	1369.8	1366.0
5°	1371.7	1373.6	*1379.3*	1381.2	1386.9	1394.5	1396.4	1394.5	1398.3	1398.3
7.5°	1424.8	1432.4	*1428.6*	1438.1	1430.5	1421.0	1405.9	1394.5	1385.0	1388.8
10°	1514.0	1510.2	*1508.3*	1491.2	1457.1	1407.8	1367.9	1324.3	1316.7	1309.1
12.5°	1612.7	1608.9	*1608.9*	1550.0	1453.3	1350.8	1259.8	1191.5	1168.7	1166.8
15°	1751.2	1726.5	*1703.7*	1580.4	1386.9	1212.3	1106.1	1053.0	1039.7	1039.7
17.5°	1923.8	1859.3	*1821.4*	1557.6	1278.7	1121.3	1058.7	1045.4	1041.6	1051.1
20°	2138.2	1975.0	*1920.0*	1506.4	1238.9	1132.7	1102.3	1104.2	1106.1	1119.4
22.5°	2373.5	2081.3	*1990.2*	1506.4	1278.7	1204.8	1189.6	1210.4	1216.1	1227.5
25°	2635.3	2176.1	*2052.8*	1586.1	1396.4	1341.4	1322.4	1343.2	1358.4	1377.4
27.5°	2929.3	2274.8	*2161.0*	1730.3	1548.2	1514.0	1493.1	1502.6	1523.5	1546.3
30°	3193.1	2439.9	*2326.0*	1950.4	1755.0	1713.2	1677.2	1692.3	1715.1	1730.3
32.5°	3426.4	2641.0	*2544.2*	2181.8	1992.1	1920.0	1880.2	1876.4	1921.9	1910.5
35°	3640.8	2878.1	*2785.2*	2445.5	2233.1	2143.9	2090.8	2159.1	2128.7	2140.1
37.5°	3809.7	3124.8	*3050.8*	2697.9	2483.5	2362.1	2329.8	2413.3	2460.7	2474.0
40°	3948.2	3339.2	*3261.4*	2948.3	2713.1	2623.9	2675.1	2813.6	2807.9	2802.2
42.5°	4054.4	3523.2	*3437.8*	3138.0	2933.1	2950.2	2990.1	3083.0	3105.8	3073.5
45°	4101.8	3638.9	*3570.6*	3287.9	3183.6	3282.2	3299.3	3339.2	3324.0	3303.1
47.5°	4156.9	3741.4	*3669.3*	3424.5	3454.9	3551.6	3517.5	3485.2	3430.2	3398.0
50°	4249.8	3862.8	*3802.1*	3623.7	3733.8	3701.5	3568.7	3496.6	3384.7	3346.7
52.5°	4426.3	4092.4	*4046.8*	3938.7	3864.7	3678.8	3517.5	3388.5	3263.3	3212.0
55°	4583.7	4403.5	*4376.9*	4232.8	3824.8	3559.2	3342.9	3143.7	2929.3	2885.7
57.5°	4674.8	4919.6	*4949.9*	4358.0	3642.7	3287.9	2969.2	2650.5	2447.4	2411.4
60°	*4403.5*	*5477.3*	*5492.5*	*4333.3*	*3314.5*	*2798.4*	*2312.7*	*2087.0*	*1868.8*	*1806.2*
62.5°	4029.7	5361.6	*5348.3*	4185.3	2639.1	2041.4	1756.8	1650.6	1481.7	1430.5
65°	3464.4	4466.1	*4481.3*	3616.1	1755.0	1476.1	1476.1	1341.4	1153.5	1117.5
67.5°	2823.1	3443.5	*3409.3*	2345.0	1077.6	1182.0	1238.9	1045.4	781.7	738.0
70°	1834.6	2629.6	*2582.2*	1352.7	677.3	984.7	975.2	785.5	559.7	529.3
72.5°	789.3	1519.7	*1616.5*	690.6	510.4	793.0	777.9	550.2	373.8	360.5
75°	476.2	764.6	*832.9*	440.2	371.9	597.6	538.8	349.1	254.2	244.7
77.5°	301.7	419.3	*415.5*	330.1	278.9	404.1	362.4	241.0	172.6	165.1
80°	174.5	206.8	*214.4*	206.8	187.8	288.4	231.5	174.5	134.7	125.2
82.5°	111.9	129.0	*130.9*	100.6	104.3	185.9	125.2	102.5	77.8	70.2
85°	49.3	55.0	*53.1*	34.2	34.2	75.9	43.6	41.7	30.4	30.4
87.5°	1.9	3.8	*1.9*	1.9	1.9	7.6	3.8	5.7	5.7	5.7
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

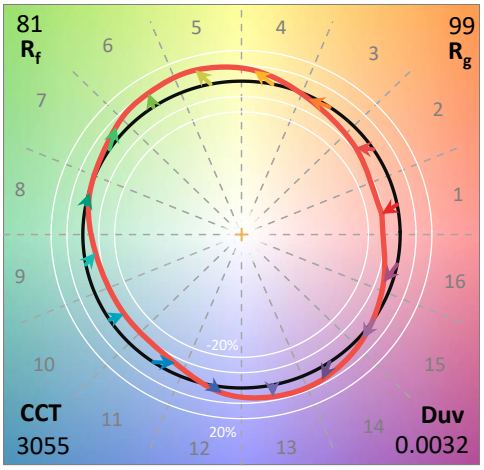
Test Information

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

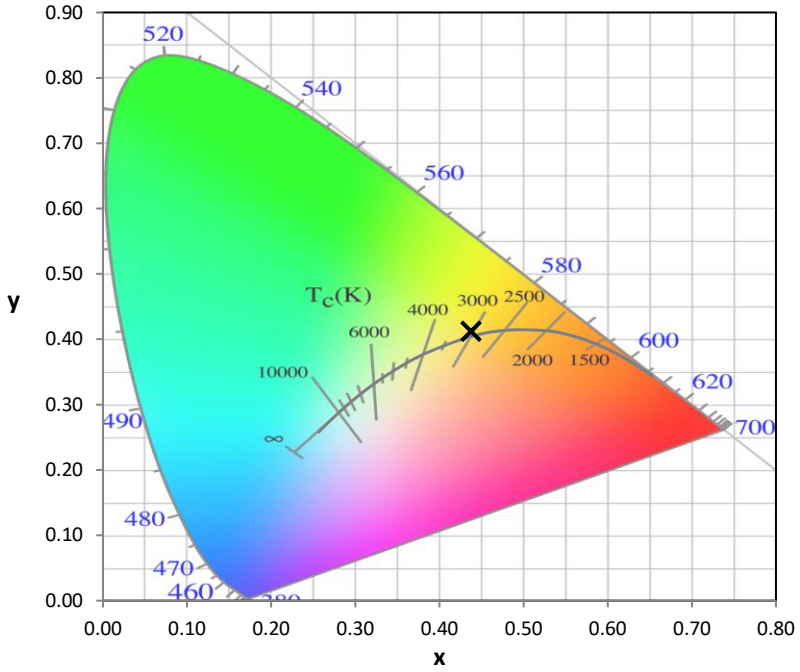
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

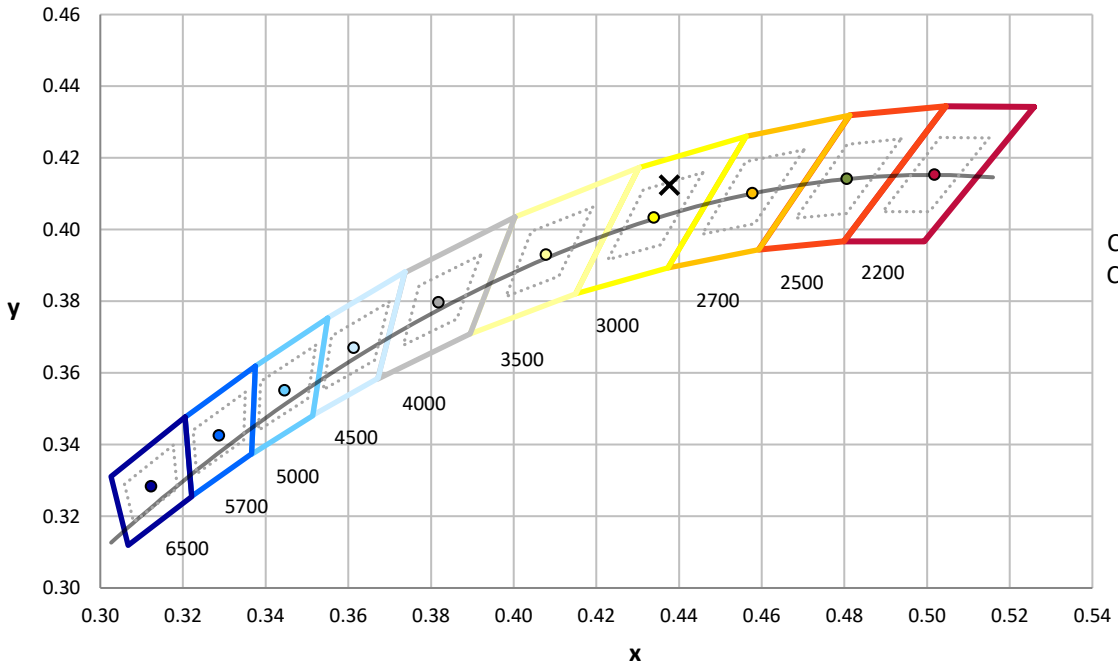
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

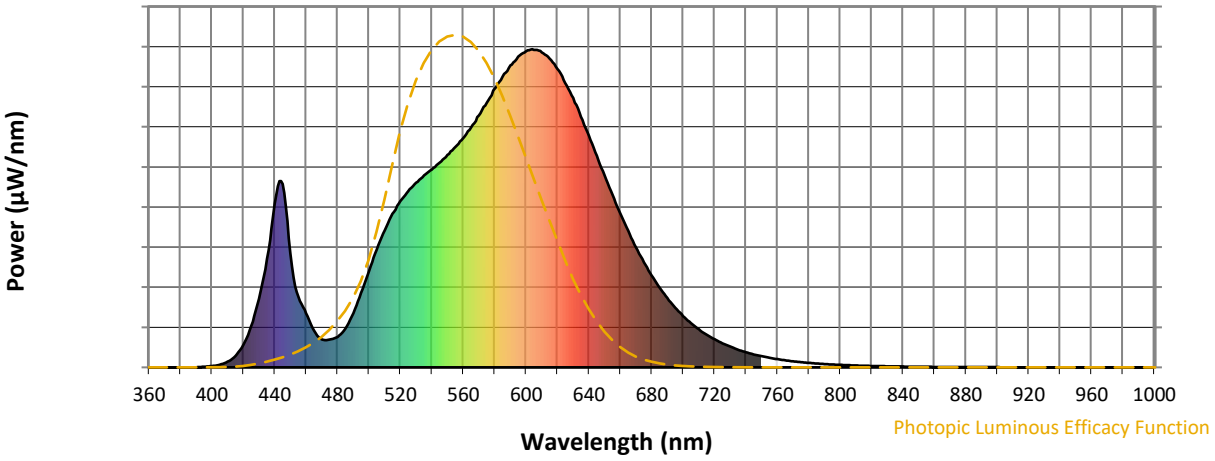


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

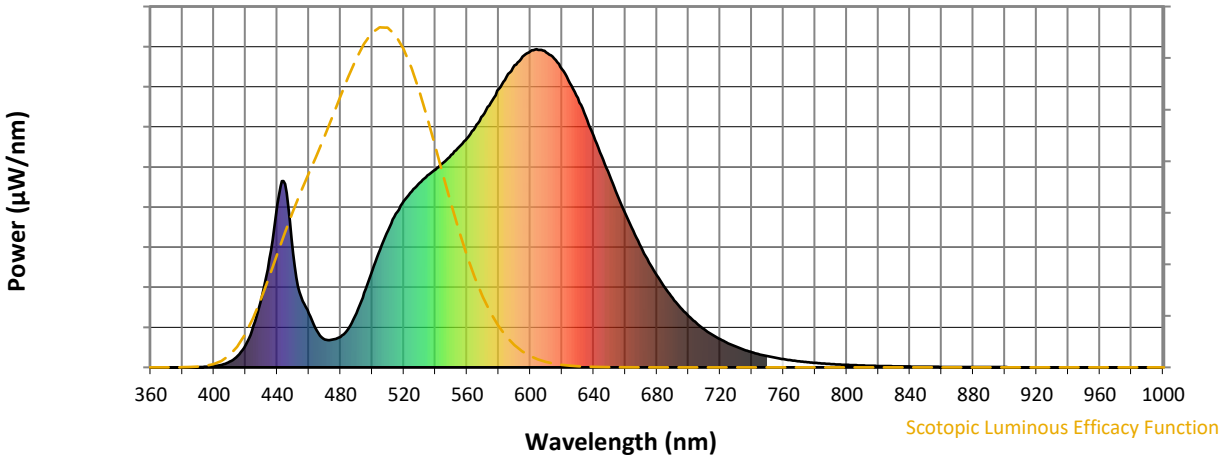


Photopic Lumens: NR

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

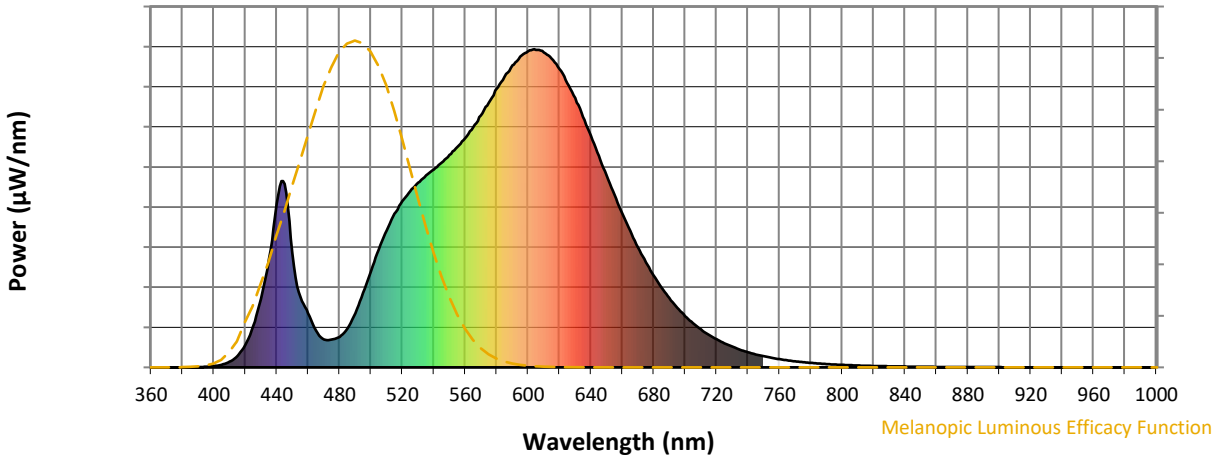


Scotopic Lumens: NR **S/P: 1.28**

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			

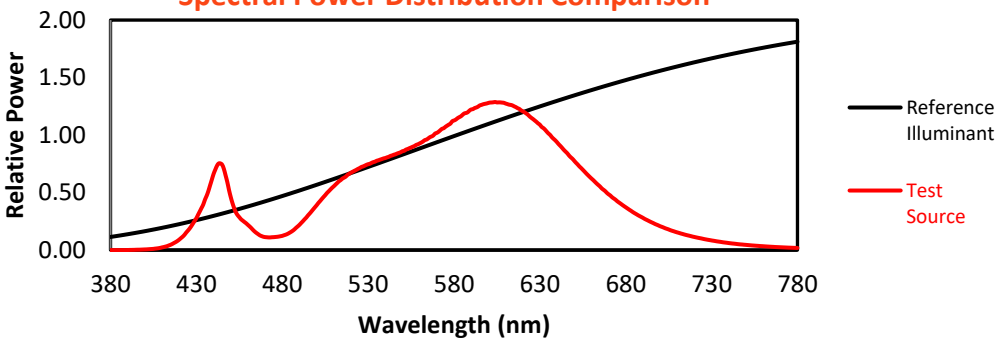
REPORT NUMBER: SP1-2407-184-9

TM-30-18

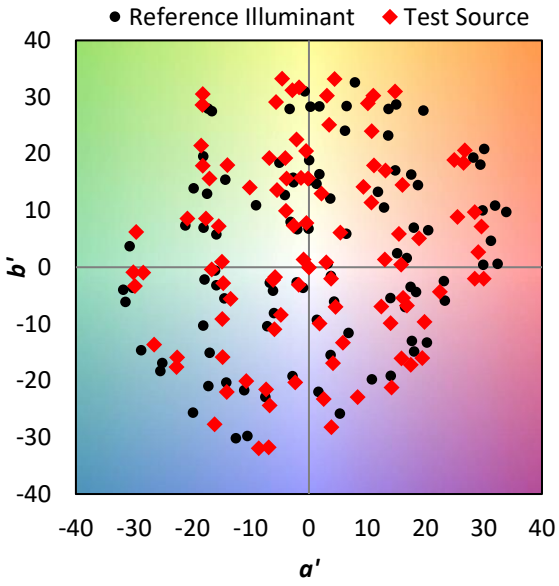
Summary

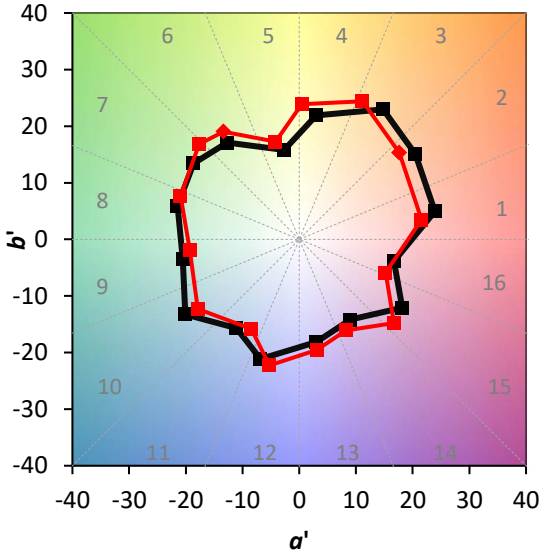
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

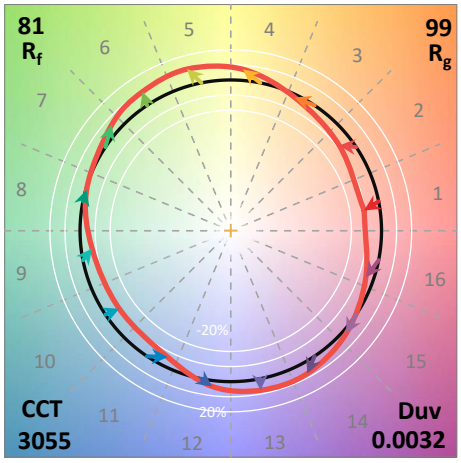
Spectral Power Distribution Comparison

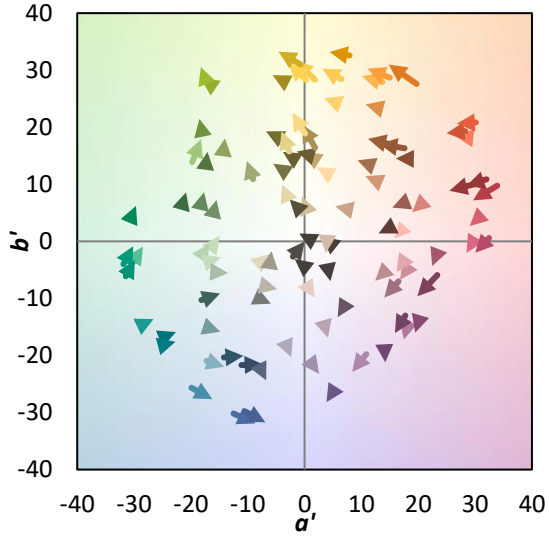


Color Vector Graphics







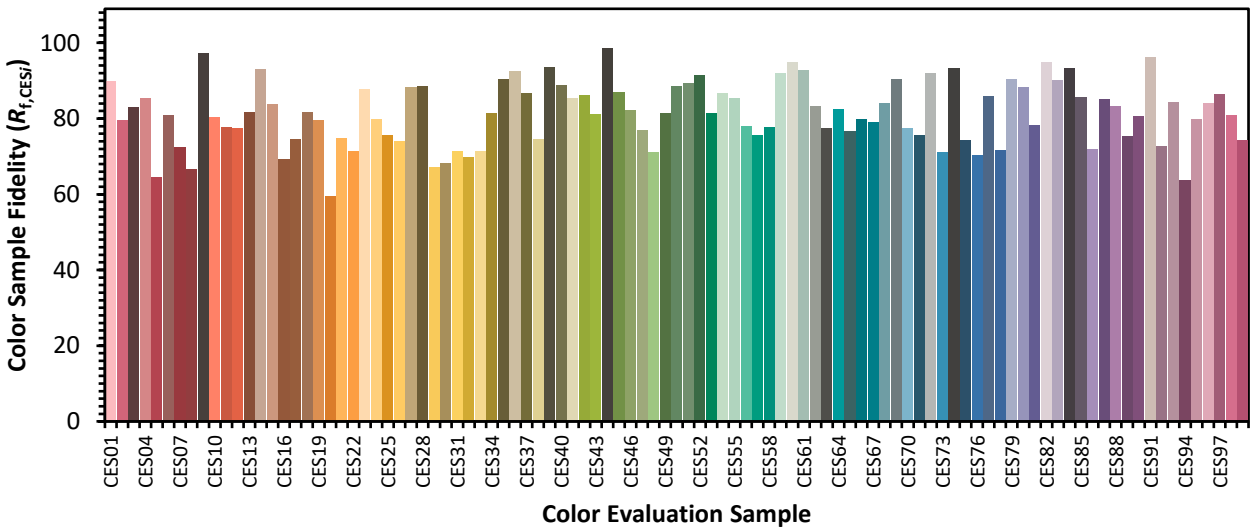


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Individual Sample Fidelity Index ($R_{f,i}$)

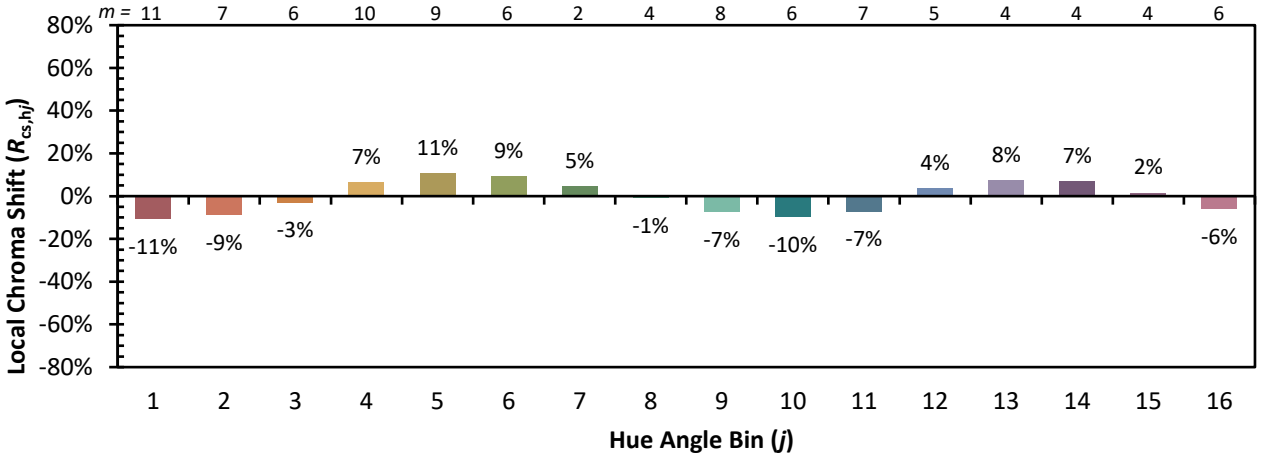
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 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
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CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

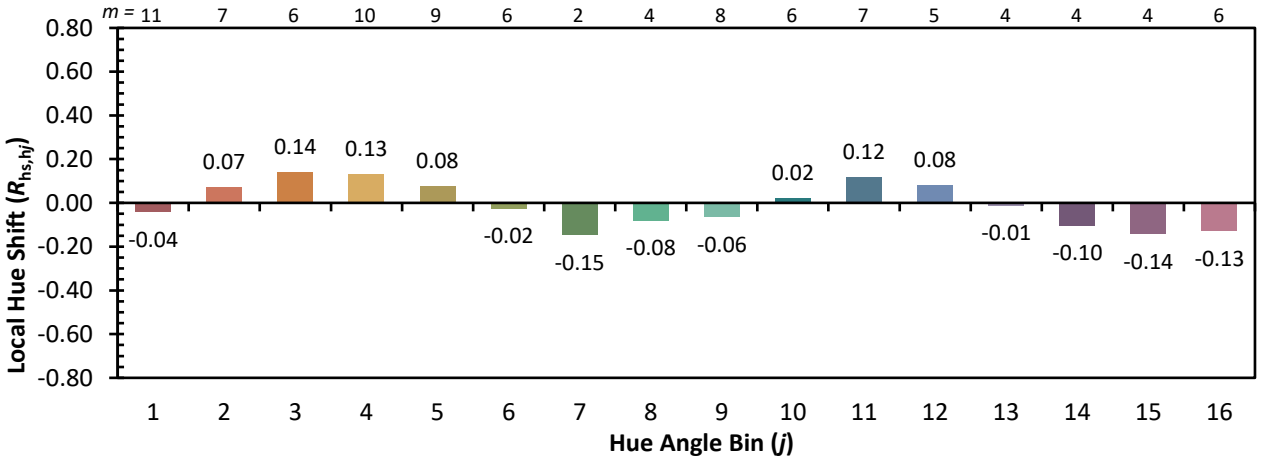


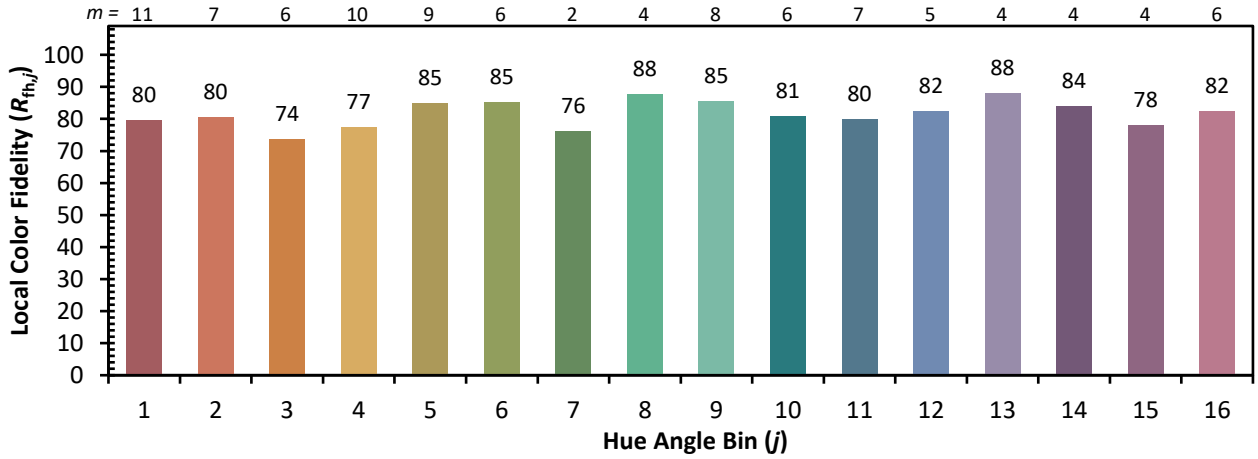
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Color Rendition by Hue-Angle Bin



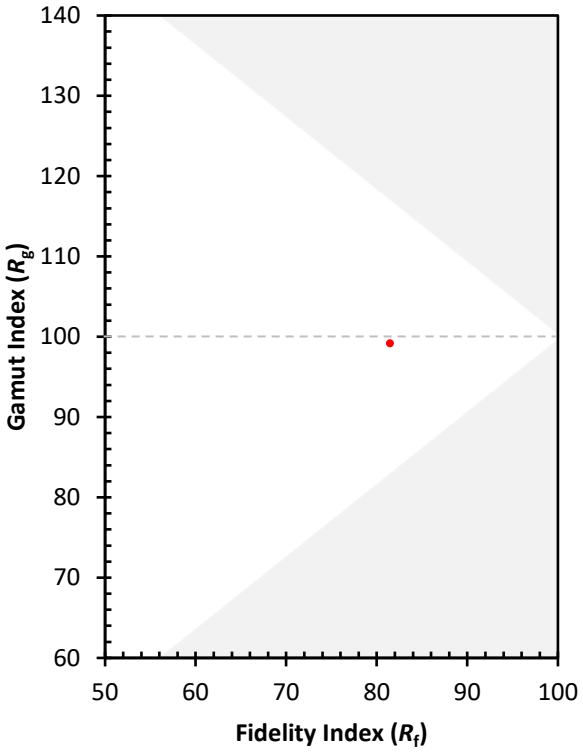


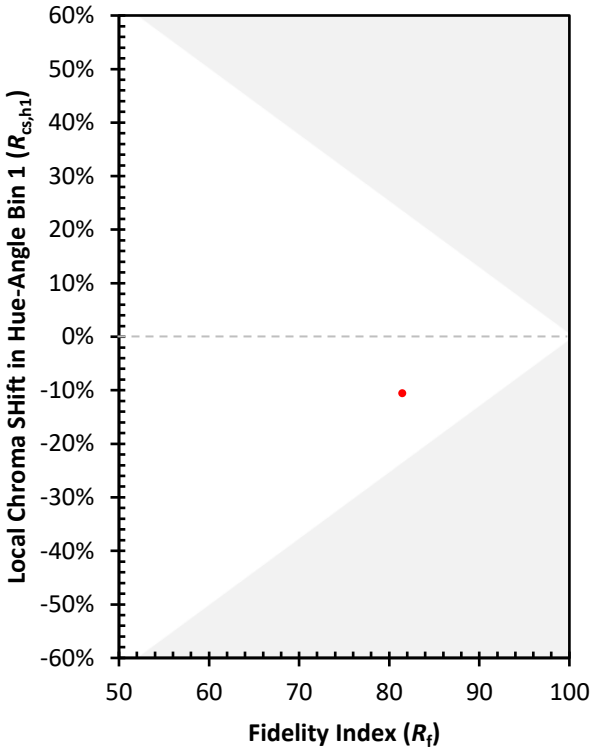


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Measure Comparisons





(END OF REPORT)