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: P1203488

Luminaire Tested: GWC-SB2C-830-U-SLL-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203488
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-830-U-SLL-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOF
	LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10269 lumens
Efficiency:	N/A
Efficacy:	101.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

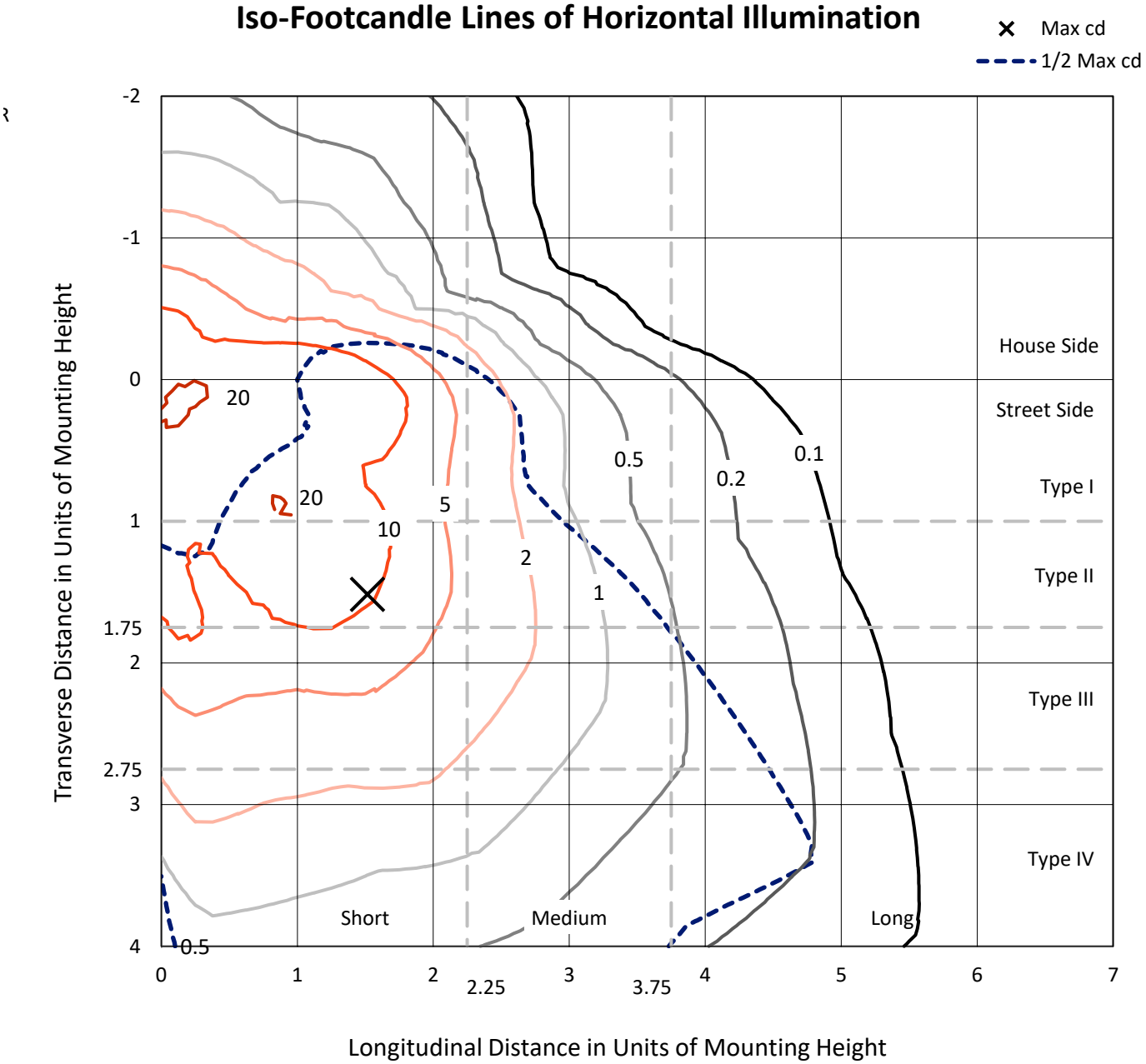


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Iso-Footcandle Lines of Horizontal Illumination



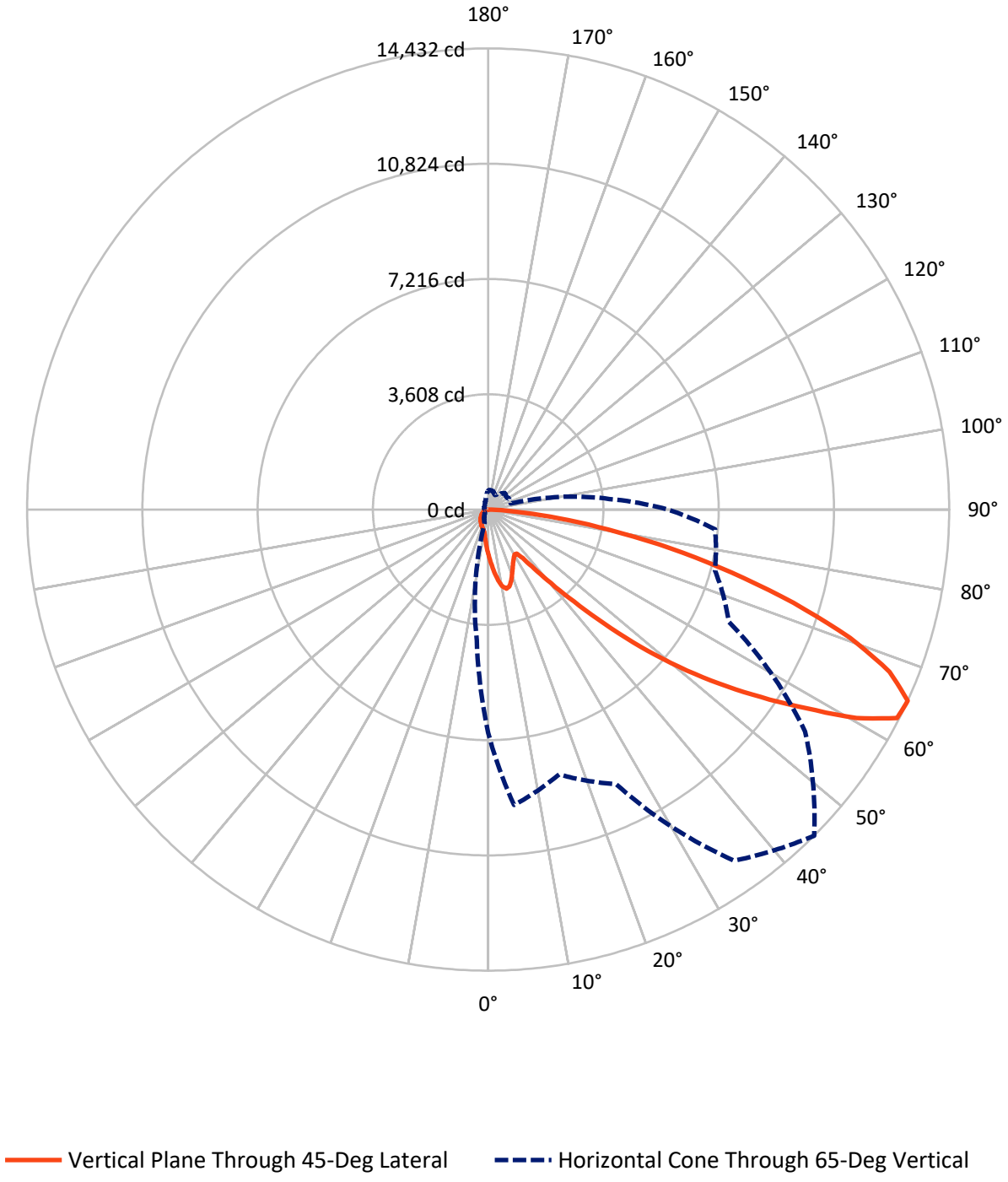
Based on 10 foot mounting height. Maximum calculated value = 19.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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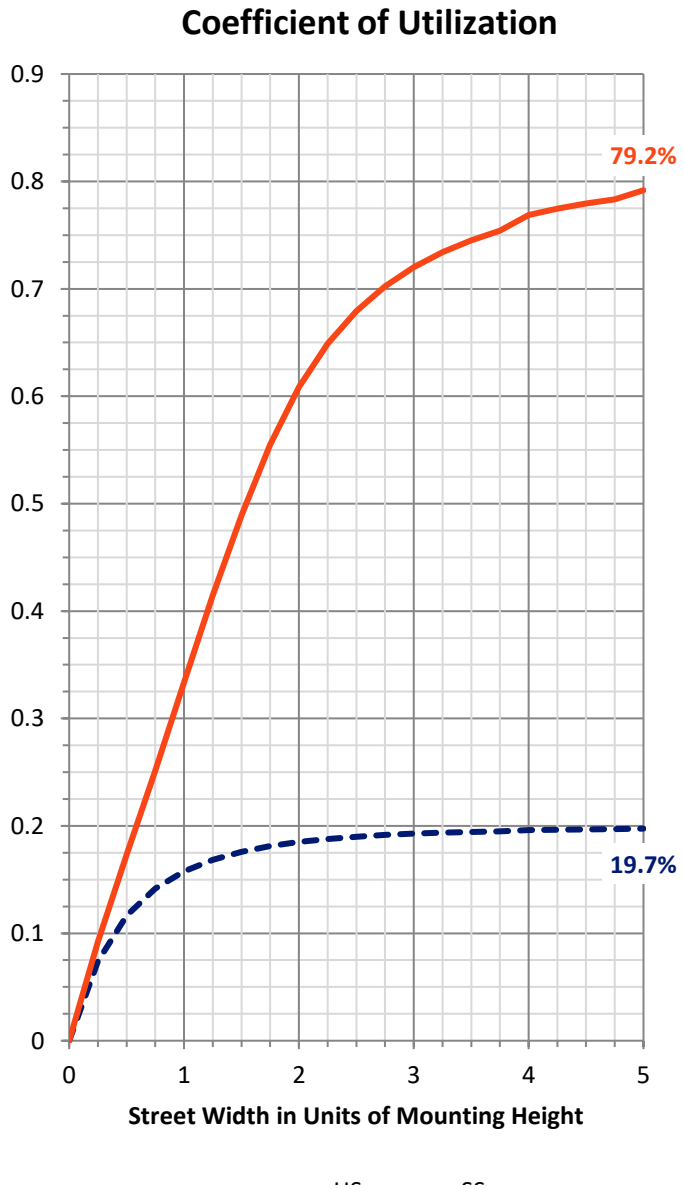
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2041.2	0.0	2041.2
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	8227.8	0.0	8227.8
	% Fixture	80.1	0.0	80.1
Total	Lumens	10269.0	0.0	10269.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	1.4
10°-20°	419.7	4.1
20°-30°	618.2	6.0
30°-40°	794.3	7.7
40°-50°	1284.6	12.5
50°-60°	2252.6	21.9
60°-70°	2818.7	27.4
70°-80°	1647.1	16.0
80°-90°	293.9	2.9
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°	10269.0	100.0
0°-180°	10269.0	100.0



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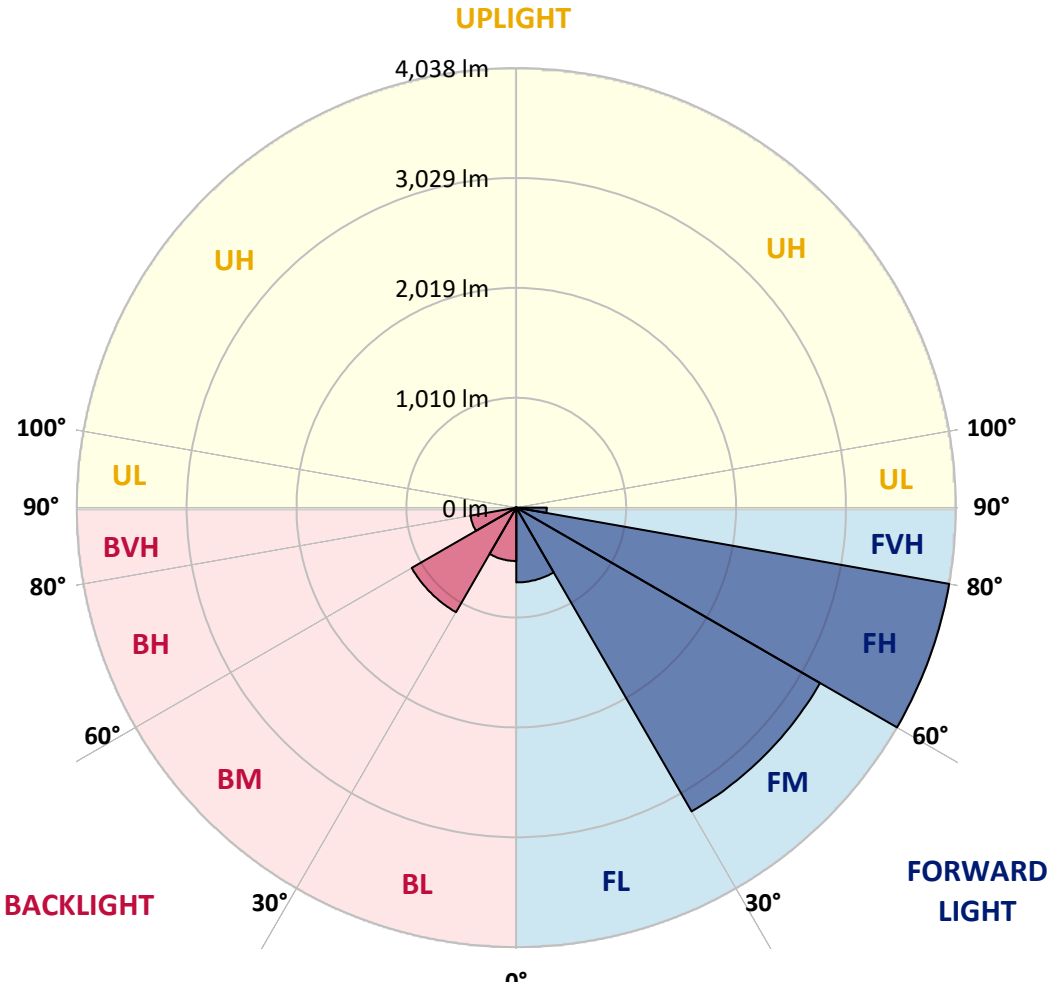
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	687.1	6.7			
FM	(30°-60°)	3222.5	31.4			
FH	(60°-80°)	4038.1	39.3			G2/5000
FVH	(80°-90°)	280.1	2.7			G3/500
BL	(0°-30°)	490.8	4.8	B1/500		
BM	(30°-60°)	1109.0	10.8	B2/2500		
BH	(60°-80°)	427.7	4.2	B1/500		G1/500
BVH	(80°-90°)	13.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1421.9	1421.9	1421.9	1421.9	1421.9	*1421.9*	1421.9	1421.9	1421.9	1421.9	1421.9
2.5°	1593.1	1605.2	1632.0	1646.2	1668.1	*1669.5*	1669.5	1650.4	1649.7	1610.8	1606.6
5°	1780.6	1808.9	1872.6	1938.3	1952.5	*1956.0*	1949.0	1910.8	1882.5	1806.8	1790.5
7.5°	1966.6	2021.1	2118.0	2205.8	2234.1	*2234.1*	2217.1	2154.8	2096.8	1987.2	1946.1
10°	2120.9	2189.5	2321.1	2419.4	2451.9	*2444.9*	2410.2	2331.7	2251.7	2118.7	2065.0
12.5°	2222.7	2299.8	2444.2	2523.4	2556.6	*2538.2*	2498.6	2422.2	2338.0	2198.0	2137.1
15°	2273.7	2354.3	2479.5	2521.3	2512.1	*2493.0*	2488.0	2451.2	2387.6	2256.7	2190.2
17.5°	2295.6	2370.6	2457.6	2431.4	2353.6	*2338.8*	2388.3	2435.0	2419.4	2307.6	2245.4
20°	2316.1	2379.1	2405.3	2289.2	2153.4	*2140.0*	2234.8	2367.8	2435.7	2355.0	2297.7
22.5°	2344.4	2383.3	2329.6	2139.3	1992.8	*1961.7*	2066.4	2266.6	2440.6	2415.2	2357.9
25°	2383.3	2393.9	2246.1	1997.1	1849.9	*1818.8*	1916.4	2154.1	2432.1	2480.2	2431.4
27.5°	2430.0	2408.1	2166.1	1878.2	1736.0	*1707.0*	1804.6	2045.9	2408.1	2545.3	2510.7
30°	2490.8	2426.5	2086.9	1786.3	1654.7	*1633.4*	1727.5	1952.5	2378.4	2628.1	2609.0
32.5°	2552.4	2434.3	2013.3	1732.5	1636.3	*1644.1*	1721.2	1902.3	2345.8	2707.3	2716.5
35°	2618.9	2459.0	1977.3	1785.5	1789.8	*1857.7*	1889.5	1949.0	2340.9	2814.9	2850.9
37.5°	2709.4	2514.2	2020.4	2049.4	2196.6	*2337.3*	2311.2	2177.5	2398.2	2975.4	3042.6
40°	2839.6	2611.1	2208.6	2498.6	2800.7	*3029.2*	2929.5	2592.7	2573.6	3206.8	3307.2
42.5°	3029.2	2765.3	2542.5	3047.6	3559.8	*3936.1*	3668.7	3128.2	2880.6	3537.1	3665.2
45°	3309.3	3015.1	2946.4	3627.0	4495.7	*5088.5*	4532.5	3699.1	3310.8	4037.3	4137.7
47.5°	3697.7	3382.2	3324.9	4237.5	5633.2	*6400.1*	5490.3	4228.3	3800.3	4719.2	4742.6
50°	4213.4	3876.7	3683.6	4905.3	6880.4	*7737.1*	6447.5	4739.1	4361.3	5552.6	5525.7
52.5°	4894.0	4566.4	4101.7	5541.3	8163.0	*9045.9*	7408.9	5187.6	5057.4	6519.6	6464.5
55°	5822.1	5604.2	4673.3	6148.2	9444.9	*10362.4*	8332.8	5610.6	5977.0	7668.5	7334.6
57.5°	6973.8	7129.4	5497.4	6852.1	10597.3	*11719.2*	9260.9	6202.0	7171.2	8953.2	7839.7
60°	7716.6	9157.6	7075.7	7892.8	11906.7	*13253.6*	10532.9	7326.8	8426.2	9413.7	7743.5
62.5°	7536.9	9802.8	8965.9	9221.3	13110.7	*14369.3*	11779.4	8456.6	8662.4	8735.3	7002.1
65°	*6985.8*	*9282.1*	*8580.4*	*9479.5*	*13415.6*	*14432.2*	*12112.6*	*8310.9*	*7348.0*	*7131.6*	*5628.3*
67.5°	6227.5	8664.6	7664.3	8794.7	12864.6	*13552.2*	11492.1	7351.6	5678.5	5351.7	4083.3
70°	5409.0	7981.2	7062.9	8026.5	11814.0	*12018.5*	10437.4	6465.9	4176.6	3614.2	2620.3
72.5°	4632.2	7269.5	6651.2	7239.1	10412.6	*9989.6*	9064.3	5682.8	3041.2	2606.9	1862.7
75°	3837.8	6219.7	6064.8	6303.9	8569.8	*7868.7*	7531.3	4705.1	2386.9	1886.0	1285.4
77.5°	2961.3	4860.0	5216.6	5048.2	6032.2	*5844.8*	5837.7	3535.7	1743.8	1258.5	805.8
80°	2026.8	3387.2	4075.5	3561.2	3914.9	*3819.4*	4396.7	2372.0	1264.9	757.7	448.5
82.5°	1191.3	2062.1	2836.8	1724.0	2164.7	*2222.0*	2618.2	1153.8	744.2	174.7	97.6
85°	483.2	814.2	1109.2	674.9	1044.2	*880.7*	993.9	324.0	207.3	4.2	0.0
87.5°	121.7	260.3	182.5	75.7	121.0	*111.1*	87.7	39.6	8.5	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9
2.5°	1579.0	1562.7	1522.4	1482.1	1449.5	1405.7	1376.7	1342.0	1308.7	1279.0	1273.4
5°	1745.9	1692.2	1618.6	1551.4	1482.8	1416.3	1350.5	1281.1	1217.5	1178.6	1153.8
7.5°	1881.8	1787.0	1689.3	1603.7	1521.0	1443.2	1356.1	1272.0	1172.2	1119.1	1071.0
10°	1982.9	1858.4	1730.4	1632.0	1548.6	1472.9	1399.3	1314.4	1194.1	1127.6	1055.5
12.5°	2049.4	1901.6	1751.6	1639.1	1545.7	1487.0	1454.5	1421.2	1301.7	1223.8	1119.1
15°	2095.4	1932.0	1766.4	1622.8	1508.2	1465.1	1497.6	1535.8	1459.4	1369.6	1233.0
17.5°	2145.6	1971.6	1772.8	1579.0	1435.4	1417.0	1501.2	1589.6	1586.1	1496.9	1363.2
20°	2198.7	2006.3	1768.6	1508.2	1346.9	1363.2	1470.7	1573.3	1616.5	1568.4	1449.5
22.5°	2253.2	2039.5	1752.3	1416.3	1264.2	1315.1	1422.6	1512.5	1563.4	1548.6	1458.0
25°	2321.8	2086.2	1728.2	1317.2	1195.6	1266.3	1366.7	1439.6	1475.0	1474.3	1412.0
27.5°	2403.8	2148.5	1715.5	1237.3	1146.7	1211.1	1300.3	1365.3	1390.1	1390.1	1340.6
30°	2499.3	2222.0	1701.4	1184.9	1118.4	1153.8	1223.1	1286.8	1311.6	1311.6	1269.8
32.5°	2605.5	2292.8	1667.4	1153.1	1097.2	1097.9	1141.8	1199.8	1229.5	1233.8	1204.0
35°	2732.8	2368.5	1593.1	1127.6	1072.5	1043.5	1064.7	1112.8	1148.2	1157.4	1139.0
37.5°	2899.7	2461.1	1487.0	1090.1	1034.3	986.2	991.1	1027.9	1066.8	1080.9	1068.9
40°	3124.0	2570.1	1376.7	1036.4	980.5	923.2	921.1	948.0	986.2	1001.7	995.3
42.5°	3420.4	2701.0	1271.2	984.7	915.4	856.7	853.2	874.4	907.6	923.9	921.1
45°	3799.6	2861.5	1180.7	944.4	851.7	793.7	792.3	810.0	839.0	856.0	852.4
47.5°	4326.6	3022.1	1119.1	923.2	801.5	742.1	744.9	760.5	786.7	798.7	793.7
50°	5013.5	3070.9	1088.0	923.2	774.6	696.1	710.3	723.0	742.8	749.9	743.5
52.5°	5672.9	2909.6	1059.7	928.9	778.2	657.2	687.6	696.8	713.8	716.6	707.4
55°	5996.1	2501.5	1020.8	930.3	800.1	624.0	669.2	686.2	692.6	691.9	676.3
57.5°	5885.1	2022.5	955.0	924.6	815.0	602.7	646.6	679.1	683.4	677.0	648.0
60°	5495.3	1489.1	904.8	882.9	809.3	596.4	611.9	663.6	669.9	661.4	614.0
62.5°	4841.6	1033.6	865.9	790.9	784.5	594.2	557.5	629.6	645.2	633.1	563.8
65°	*3811.6*	*730.1*	*745.6*	*693.3*	*730.8*	*582.9*	*500.9*	*588.6*	*609.8*	*591.4*	*493.8*
67.5°	2579.3	527.0	604.1	628.2	643.8	557.5	459.8	541.9	570.2	546.1	412.4
70°	1392.9	370.0	399.0	529.2	546.8	513.6	423.0	494.5	527.0	500.9	336.0
72.5°	822.7	266.0	279.4	425.2	455.6	452.0	382.0	439.3	478.9	447.8	273.1
75°	453.5	179.7	199.5	308.4	370.0	348.8	328.2	372.1	412.4	382.0	210.8
77.5°	203.0	107.5	138.7	202.3	290.8	239.1	254.0	290.0	327.5	295.7	140.8
80°	78.5	60.1	92.0	110.4	211.5	132.3	163.4	213.6	240.5	215.1	85.6
82.5°	9.9	26.9	39.6	43.2	123.1	70.0	94.8	134.4	132.3	114.6	43.2
85°	0.0	5.0	5.7	2.8	53.1	25.5	31.1	43.9	41.0	31.1	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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

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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9
2.5°	1238.7	1213.2	1200.5	1189.9	1199.8	1205.5	1205.5	1229.5	1243.7	1249.3	1288.9
5°	1091.6	1044.2	1012.3	993.2	999.6	1006.7	1014.5	1044.9	1065.4	1078.8	1140.4
7.5°	975.5	903.4	858.8	835.5	839.0	844.0	850.3	880.0	900.6	918.2	986.9
10°	918.2	816.4	757.7	729.4	724.4	721.6	719.5	737.1	752.7	766.9	834.8
12.5°	921.1	778.9	707.4	672.8	657.9	640.9	627.5	630.3	640.2	657.9	701.1
15°	957.1	766.9	681.3	638.1	613.3	593.5	577.3	573.7	577.3	580.1	607.0
17.5°	1006.0	765.4	658.6	604.8	579.4	563.1	548.3	543.3	544.0	547.5	554.6
20°	1044.9	761.2	633.1	573.0	550.4	536.2	521.4	516.4	517.8	518.5	526.3
22.5°	1065.4	754.8	604.8	541.2	522.1	507.9	494.5	493.8	493.8	498.0	503.7
25°	1065.4	741.4	579.4	510.8	493.8	481.1	464.8	467.6	469.0	474.7	483.2
27.5°	1039.9	715.9	558.9	484.6	466.9	454.2	439.3	442.8	445.0	451.3	461.9
30°	1007.4	685.5	535.5	459.8	439.3	430.1	417.4	418.8	421.6	428.7	440.7
32.5°	972.7	649.4	516.4	435.1	414.6	407.5	393.3	395.5	398.3	406.1	419.5
35°	934.5	607.0	493.8	412.4	391.9	386.3	370.0	371.4	375.6	384.1	397.6
37.5°	894.2	572.3	471.1	390.5	369.3	363.6	346.6	348.1	353.0	362.9	375.6
40°	854.6	538.4	447.1	367.2	345.9	341.0	322.6	324.0	329.7	340.3	353.7
42.5°	811.4	512.2	416.0	343.1	320.5	315.5	298.5	300.7	307.0	317.6	331.1
45°	759.8	495.2	381.3	320.5	295.0	290.0	274.5	278.7	285.8	296.4	310.6
47.5°	706.7	488.1	352.3	296.4	268.8	264.6	251.8	258.9	266.7	275.2	290.8
50°	655.8	478.9	322.6	273.8	246.2	241.9	233.5	242.6	250.4	258.2	273.1
52.5°	597.8	459.1	295.7	254.0	227.1	225.7	221.4	229.9	237.0	244.1	256.8
55°	537.6	427.3	272.4	236.3	210.8	212.2	210.1	217.2	222.8	229.2	240.5
57.5°	485.3	387.0	254.0	217.2	196.7	200.9	198.1	201.6	205.2	212.9	222.1
60°	432.2	338.9	233.5	194.5	182.5	187.5	179.7	179.0	180.4	182.5	199.5
62.5°	360.8	288.6	208.0	174.7	167.0	169.1	154.2	142.9	142.9	145.0	170.5
65°	*290.0*	*241.9*	*179.7*	*152.1*	*145.7*	*144.3*	*123.1*	*107.5*	*106.1*	*112.5*	*134.4*
67.5°	238.4	200.9	151.4	126.6	122.4	123.8	108.2	92.7	91.3	98.3	114.6
70°	197.4	162.0	121.0	97.6	101.9	108.2	92.7	77.8	75.7	82.1	97.6
72.5°	157.0	126.6	92.7	72.2	84.2	92.0	75.7	61.5	60.1	65.8	80.6
75°	115.3	90.6	63.0	52.3	65.1	72.2	55.2	43.9	41.7	46.7	61.5
77.5°	71.5	50.9	39.6	31.1	44.6	48.1	29.0	25.5	24.8	28.3	38.9
80°	33.2	21.9	19.1	10.6	16.3	19.1	12.0	13.4	14.1	17.0	24.1
82.5°	9.2	3.5	0.7	0.0	0.0	5.7	2.8	5.7	7.1	10.6	15.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.5	6.4	11.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.7
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: P1203488
CATALOG NUMBER: GWC-SB2C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9	1421.9
2.5°	1318.6	1346.9	1392.2	1438.9	1484.9	1531.6	1576.9	1593.1
5°	1196.3	1261.3	1351.2	1447.4	1546.4	1646.9	1738.9	1780.6
7.5°	1059.7	1153.1	1288.2	1438.9	1596.7	1754.4	1899.4	1966.6
10°	914.0	1032.1	1186.4	1390.1	1616.5	1834.4	2033.9	2120.9
12.5°	775.3	899.1	1069.6	1313.7	1600.9	1880.3	2120.2	2222.7
15°	659.3	769.0	952.9	1223.1	1550.7	1883.2	2161.2	2273.7
17.5°	572.3	643.8	834.1	1122.7	1484.9	1857.0	2175.3	2295.6
20°	529.2	549.0	679.8	993.9	1423.3	1832.2	2189.5	2316.1
22.5°	503.7	508.6	556.0	827.7	1349.8	1824.5	2214.2	2344.4
25°	483.2	484.6	497.3	655.8	1237.3	1819.5	2252.4	2383.3
27.5°	462.7	462.7	469.7	528.4	1084.5	1798.3	2302.0	2430.0
30°	442.1	442.1	447.1	467.6	905.5	1756.5	2361.4	2490.8
32.5°	420.9	420.9	425.2	440.0	723.0	1704.2	2415.9	2552.4
35°	399.7	398.3	403.9	419.5	575.1	1637.7	2470.3	2618.9
37.5°	377.1	376.4	382.0	399.7	496.6	1560.6	2511.4	2709.4
40°	353.0	353.0	359.4	378.5	474.0	1463.7	2576.4	2839.6
42.5°	331.1	329.7	336.7	360.1	457.0	1371.0	2693.2	3029.2
45°	309.9	307.0	313.4	342.4	427.3	1338.5	2911.1	3309.3
47.5°	290.0	283.0	288.6	321.2	400.4	1460.1	3267.6	3697.7
50°	273.8	260.3	265.3	299.9	379.9	1724.0	3730.3	4213.4
52.5°	256.8	239.1	241.9	273.8	361.5	1975.1	4231.8	4894.0
55°	239.1	219.3	220.7	247.6	335.3	2012.6	4721.4	5822.1
57.5°	219.3	200.9	200.9	223.5	316.2	1744.5	5097.7	6973.8
60°	197.4	185.3	181.8	204.4	333.2	1230.9	5141.6	7716.6
62.5°	173.3	167.0	162.0	186.1	345.9	729.4	4788.6	7536.9
65°	*145.7*	*144.3*	*140.8*	*204.4*	*291.5*	*430.8*	*4110.9*	*6985.8*
67.5°	122.4	120.3	120.3	214.4	221.4	270.9	3211.7	6227.5
70°	105.4	97.6	97.6	162.0	134.4	187.5	2242.5	5409.0
72.5°	88.4	79.9	74.3	129.5	100.5	137.2	1401.4	4632.2
75°	70.7	64.4	57.3	85.6	75.0	104.0	814.2	3837.8
77.5°	50.9	48.1	40.3	63.0	54.5	75.0	484.6	2961.3
80°	26.2	26.9	25.5	36.1	36.8	50.9	275.9	2026.8
82.5°	15.6	12.0	13.4	17.7	21.2	29.0	104.0	1191.3
85°	9.9	6.4	6.4	8.5	10.6	11.3	31.8	483.2
87.5°	5.0	2.1	2.8	4.2	3.5	2.8	1.4	121.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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: SP1-2408-195-9

Test Date: 08/07/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

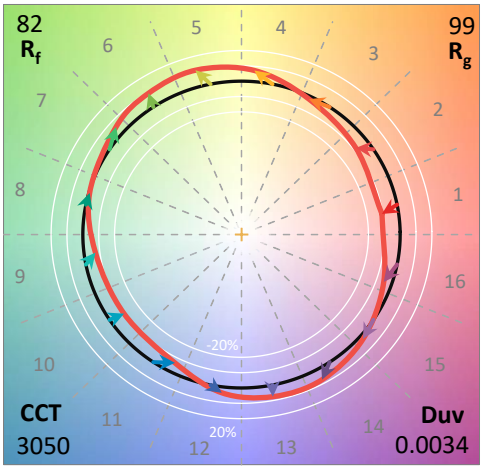
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050
CIE u':	0.2476
CIE v':	0.5251
Duv:	0.0034
CIE x:	0.4383
CIE y:	0.4131
CIE z:	0.1487
Peak Wavelength (nm):	603
Dominant Wavelength (nm):	581
Purity:	55.55201
Rf:	81.5
Rg:	99.2

CRI (Ra):	81.0
R1:	79.6
R2:	85.6
R3:	92.0
R4:	82.6
R5:	78.9
R6:	81.7
R7:	85.2
R8:	62.0
R9:	7.1
R10:	67.0
R11:	82.7
R12:	63.2
R13:	80.3
R14:	95.0
R15:	71.7



Test Conditions

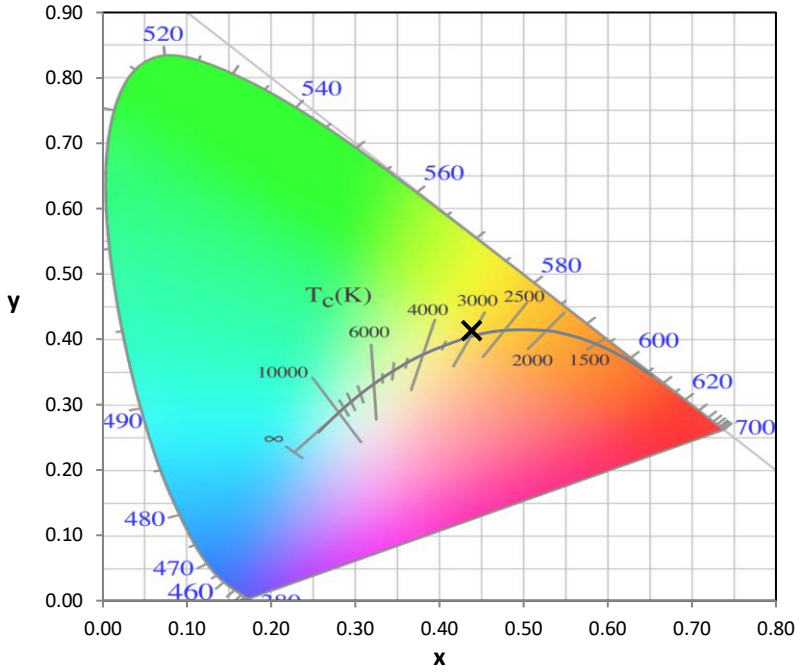
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

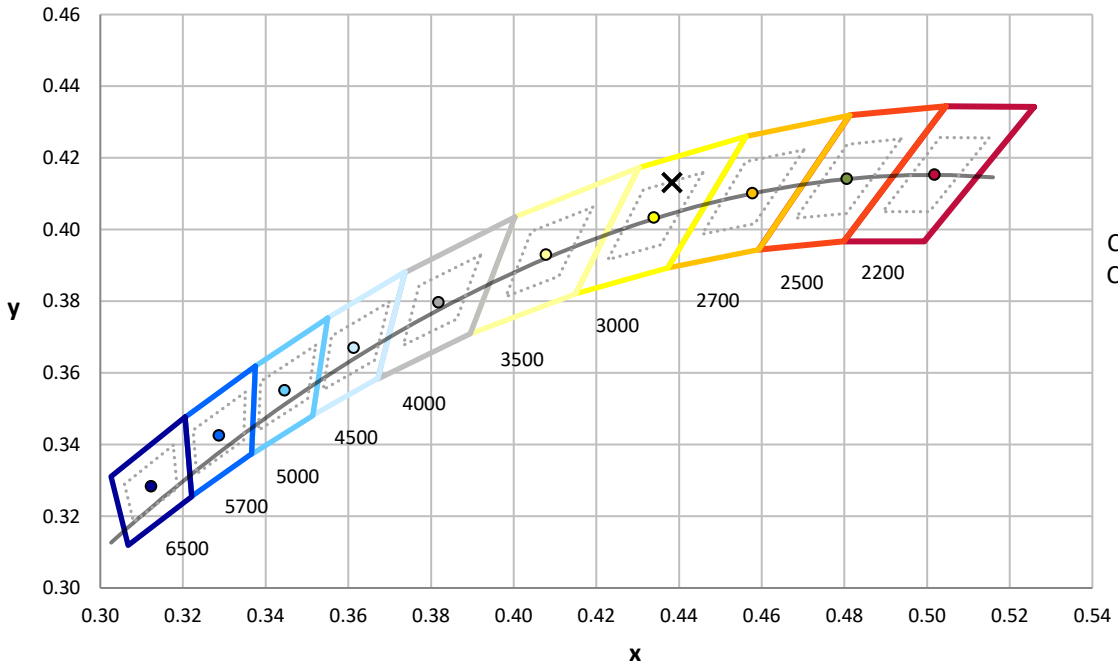
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

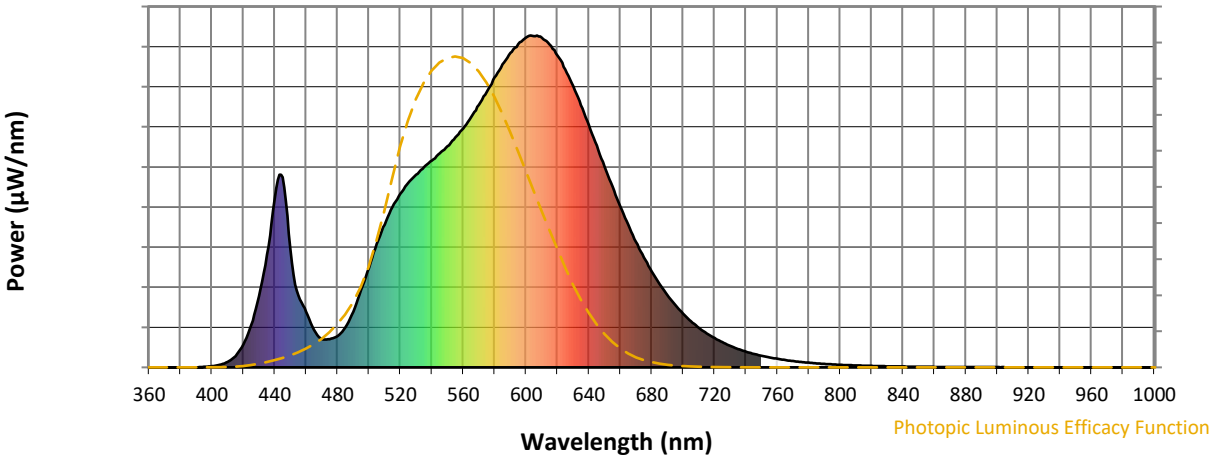


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

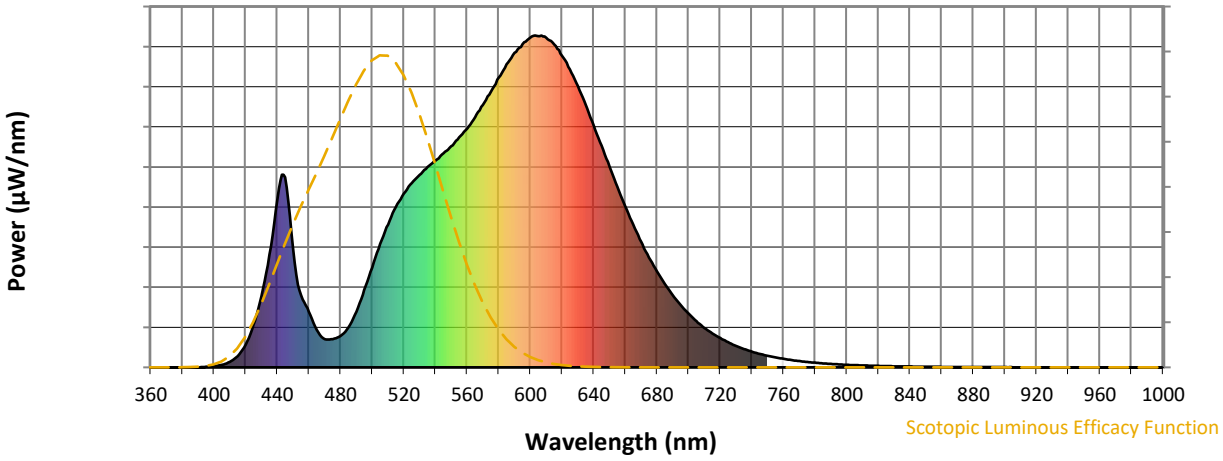


Photopic Lumens: NR

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

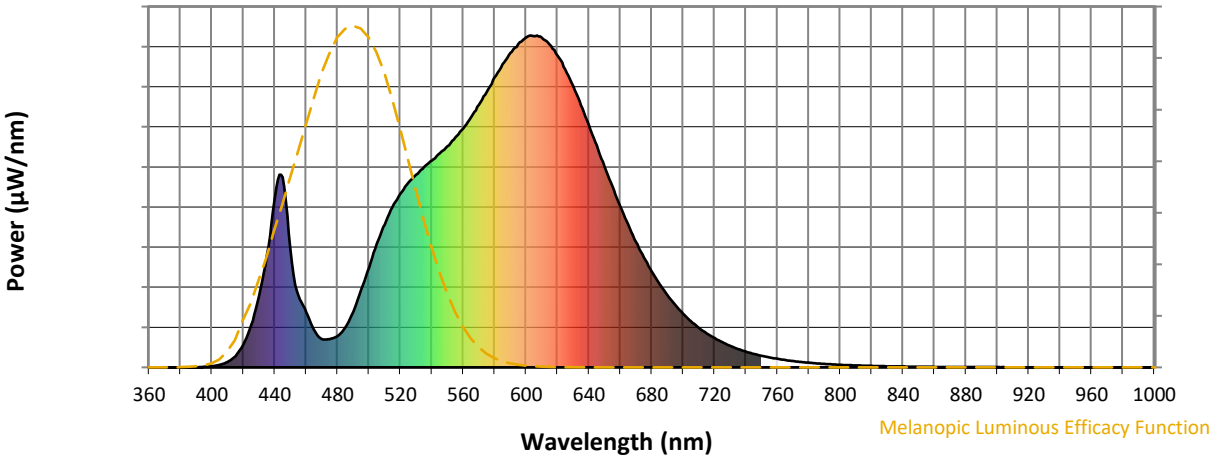


Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

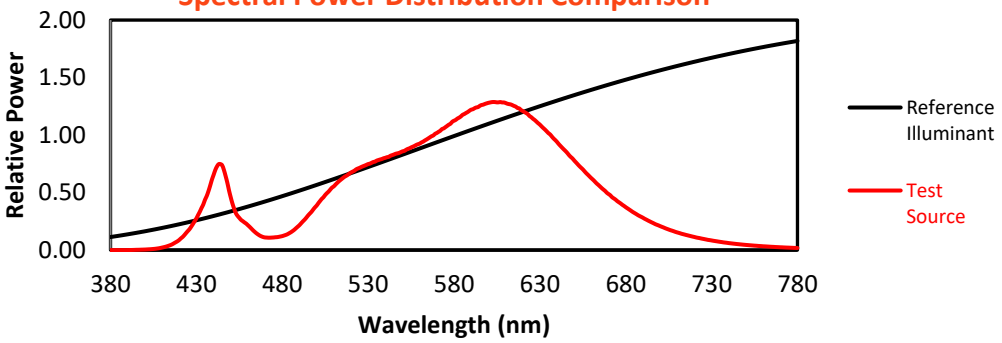
REPORT NUMBER: SP1-2408-195-9

TM-30-18

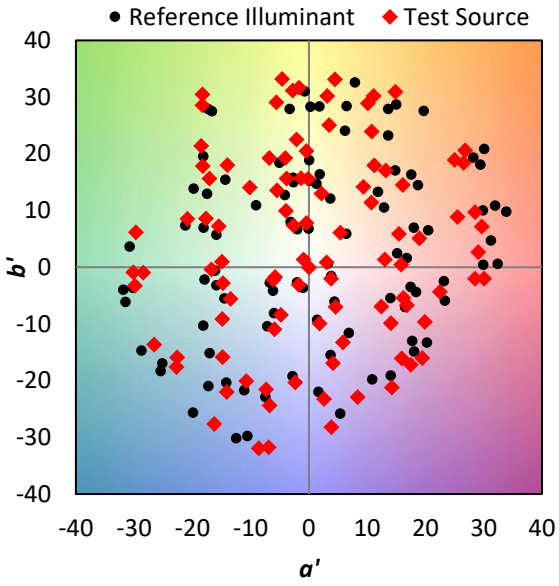
Summary

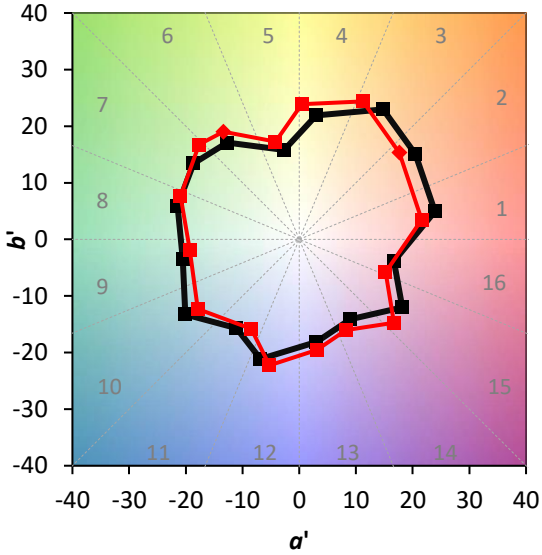
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

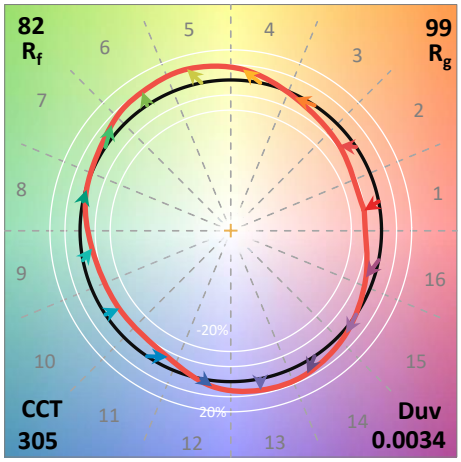
Spectral Power Distribution Comparison

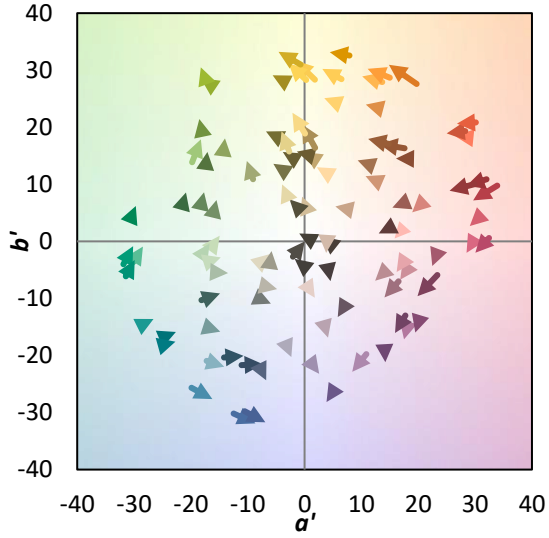


Color Vector Graphics







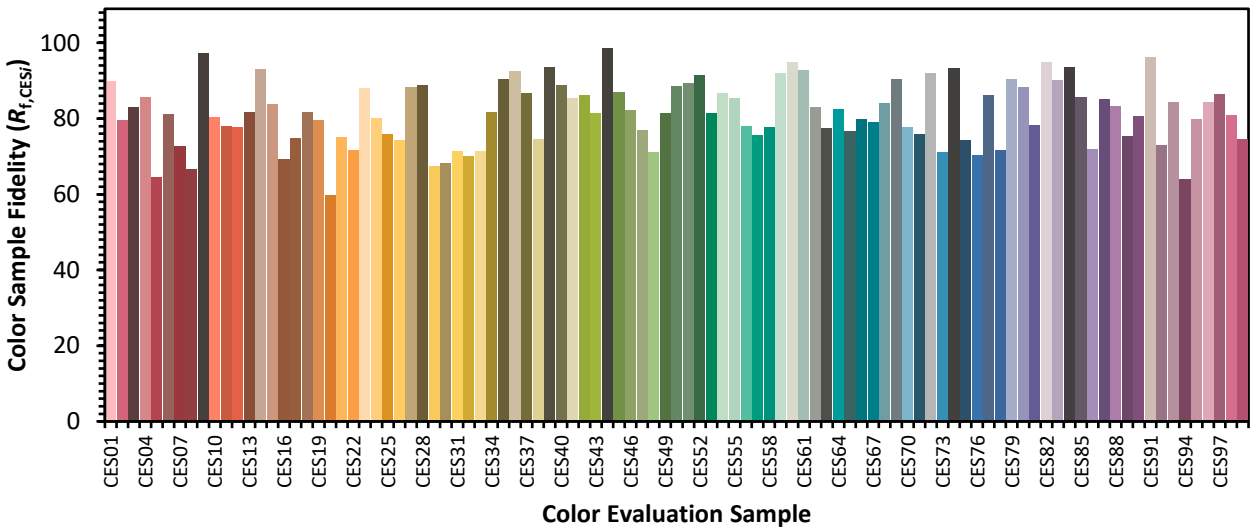


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

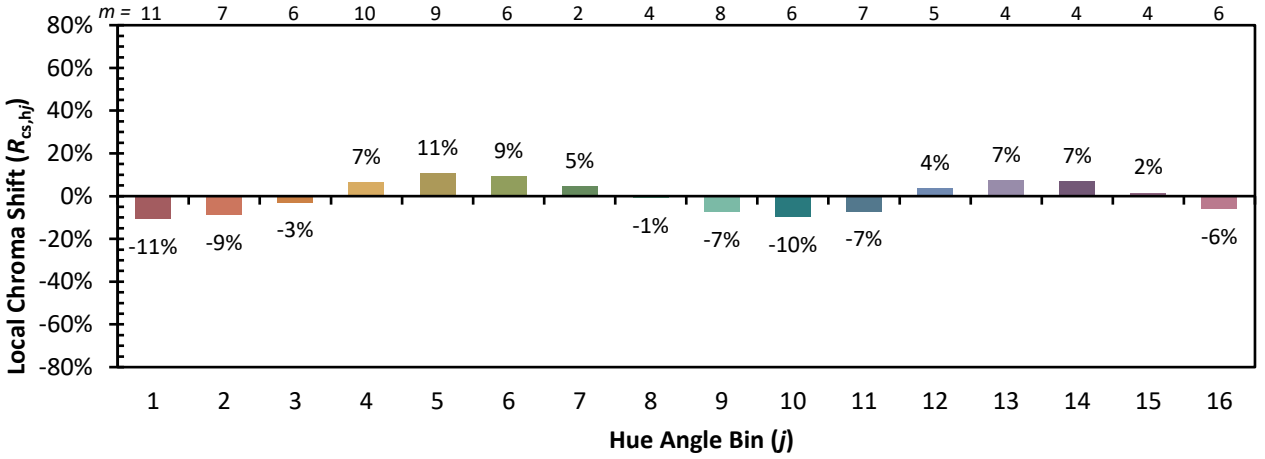
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
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 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	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	

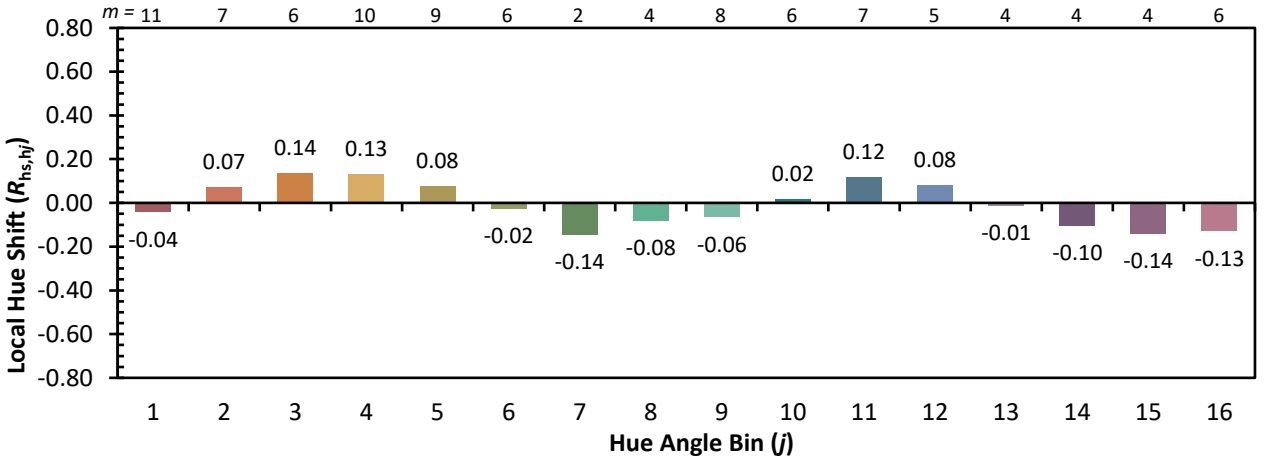


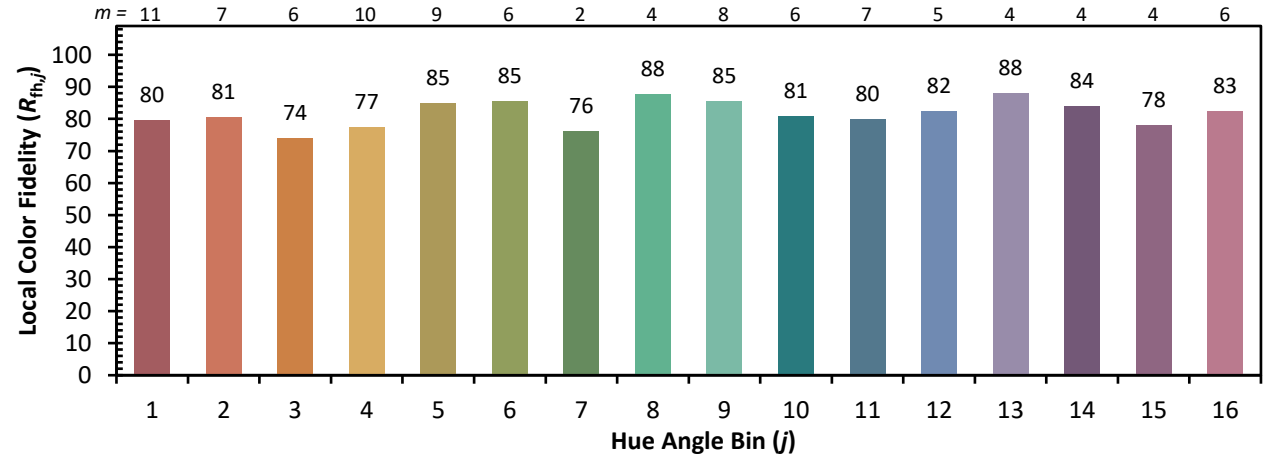
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Color Rendition by Hue-Angle Bin



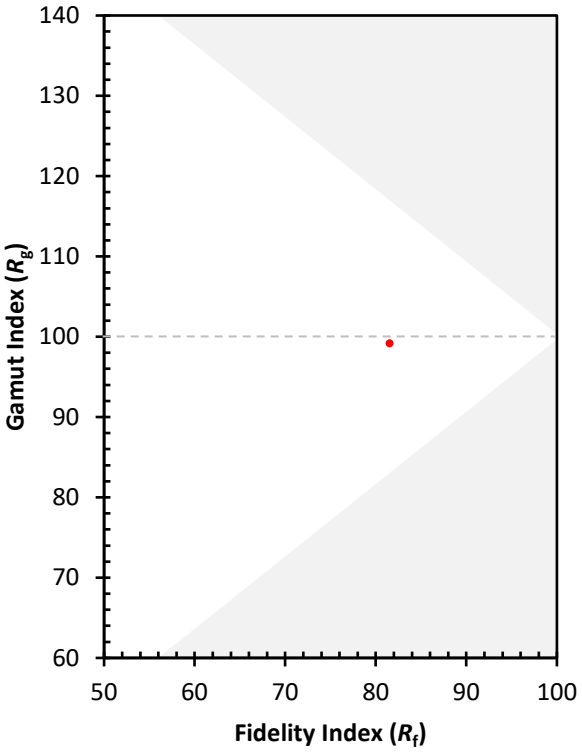


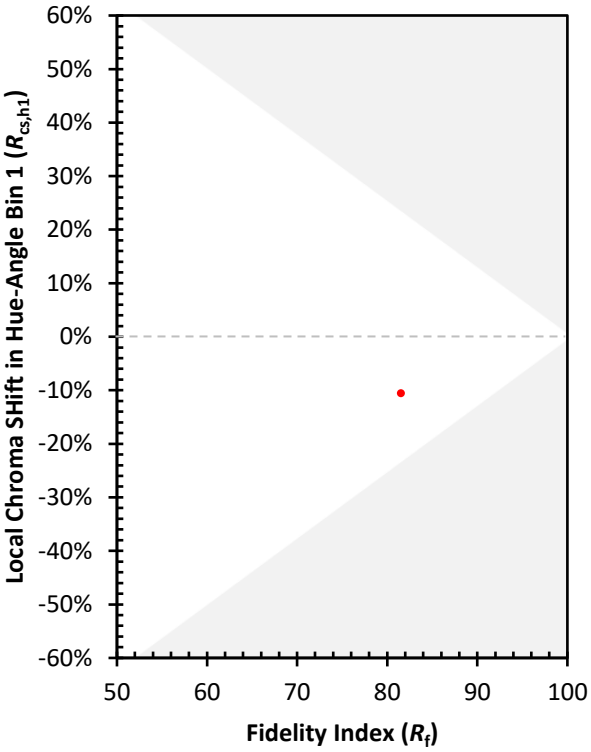


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Measure Comparisons





(END OF REPORT)