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: P1501906

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

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:	P1501906
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-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7632.6 lumens
Efficiency:	N/A
Efficacy:	103.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

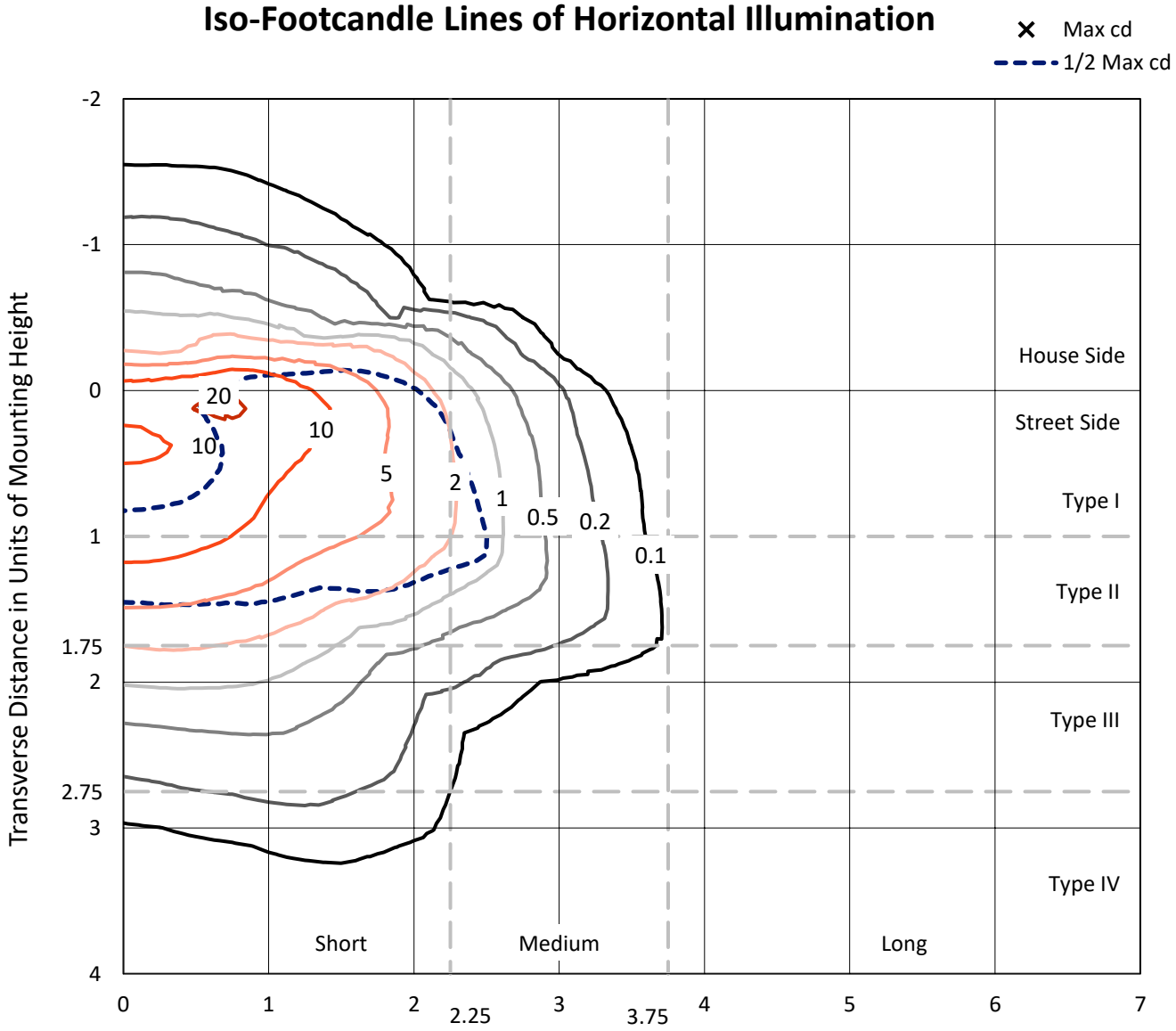
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



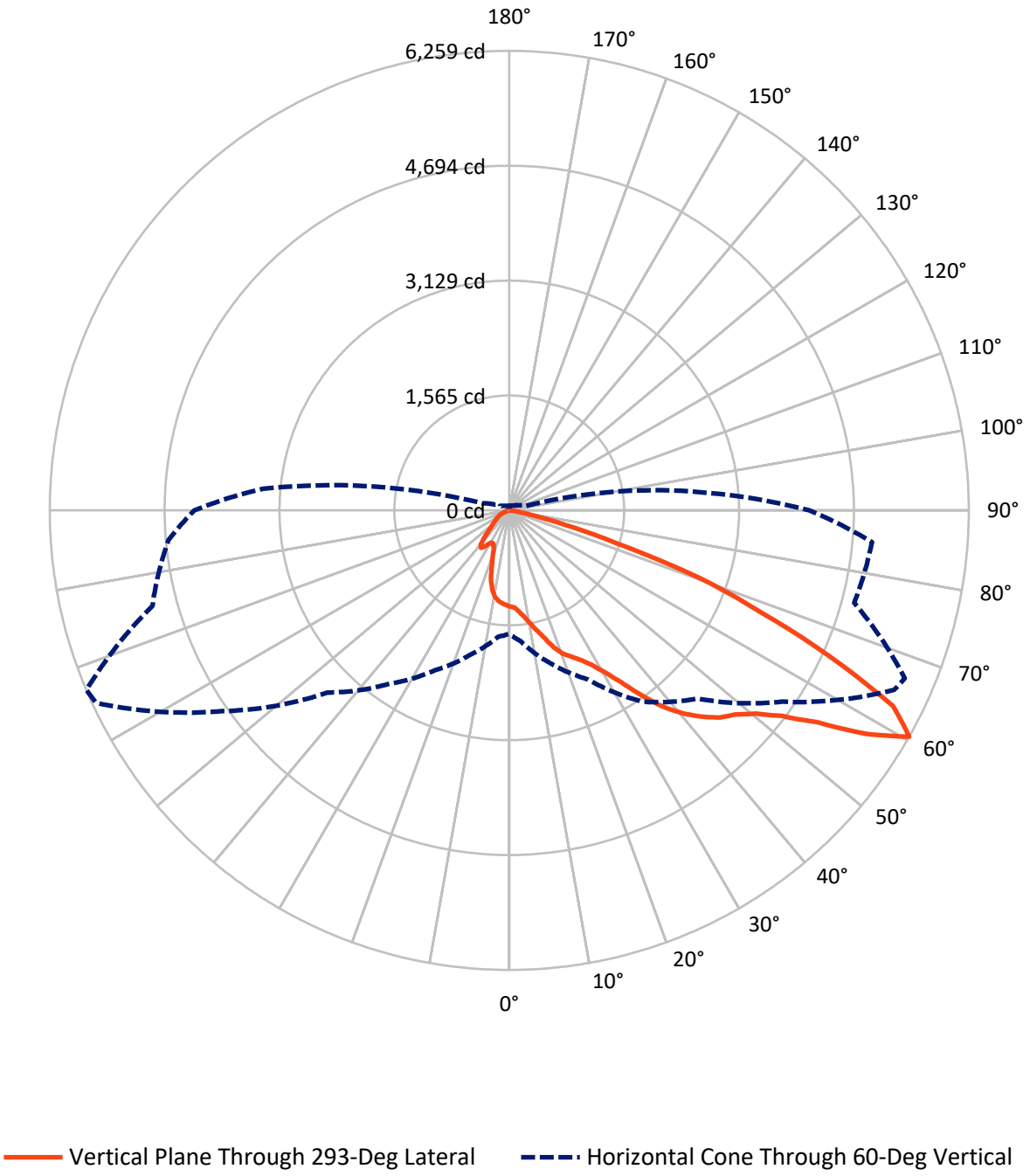
Based on 10 foot mounting height. Maximum calculated value = 21.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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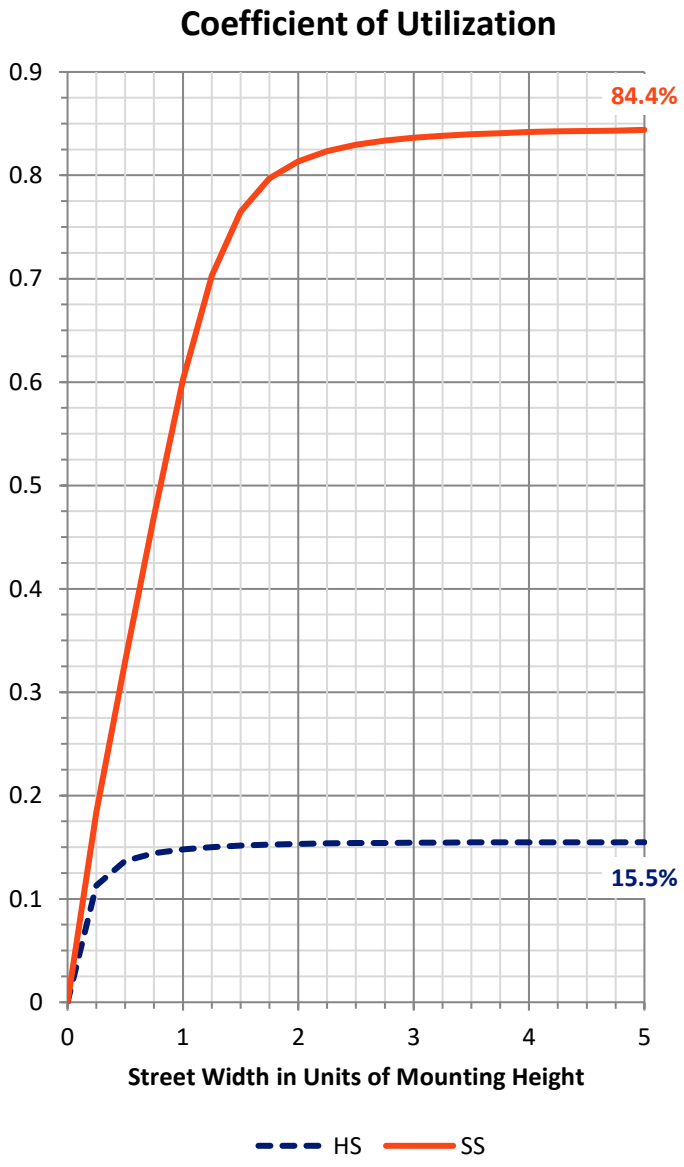
REPORT NUMBER: P1501906
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1190.9	0.0	1190.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	6441.8	0.0	6441.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	7632.6	0.0	7632.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	1.6
10°-20°	298.3	3.9
20°-30°	556.9	7.3
30°-40°	1104.4	14.5
40°-50°	1760.8	23.1
50°-60°	2103.8	27.6
60°-70°	1379.1	18.1
70°-80°	288.9	3.8
80°-90°	21.9	0.3
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°	7632.6	100.0
0°-180°	7632.6	100.0



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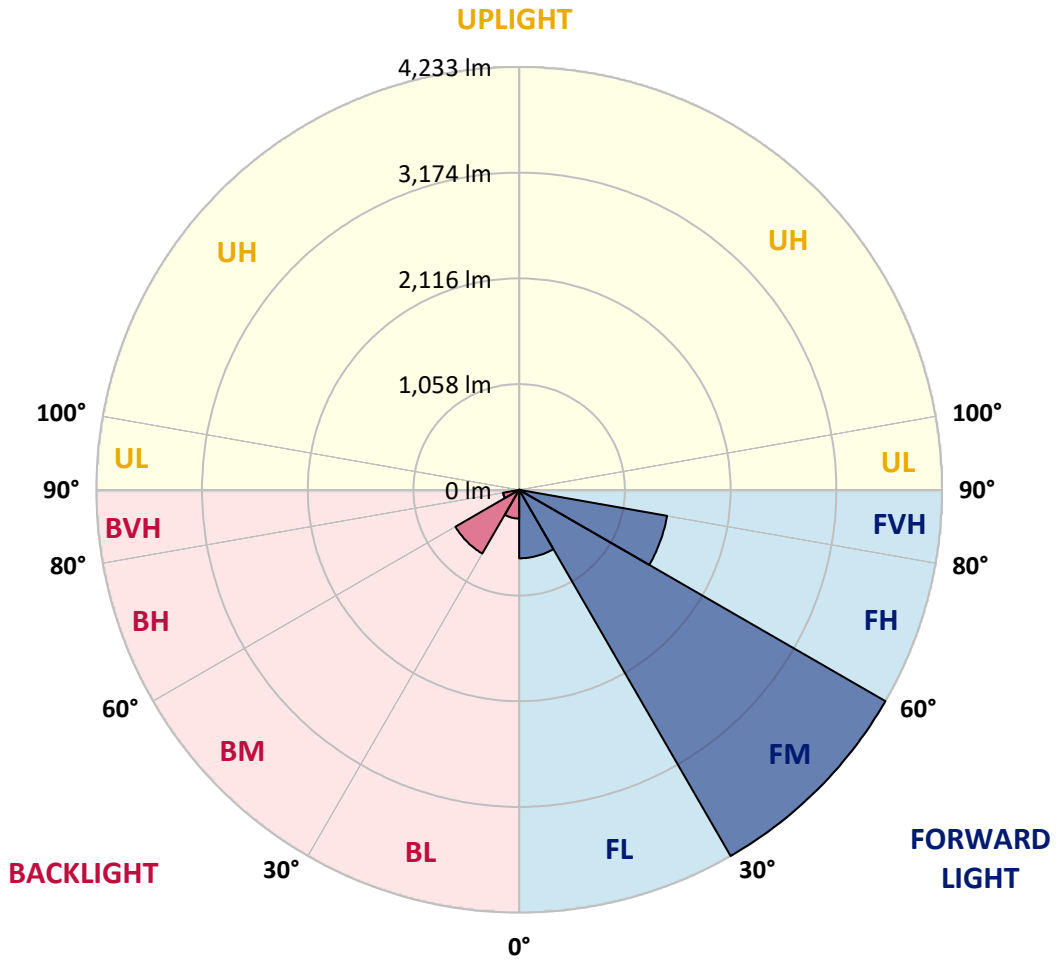
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	685.6	9.0			
FM	(30°-60°)	4232.6	55.5			
FH	(60°-80°)	1503.6	19.7			G1/1800
FVH	(80°-90°)	20.0	0.3			G1/100
BL	(0°-30°)	288.1	3.8	B1/500		
BM	(30°-60°)	736.4	9.6	B1/1000		
BH	(60°-80°)	164.5	2.2	B1/500		G1/500
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2
2.5°	1374.4	1370.1	1363.7	1365.9	1363.7	1355.2	1342.4	1331.7	1340.2	1327.4	1318.8
5°	1415.0	1415.0	1410.8	1410.8	1412.9	1408.6	1400.1	1385.1	1387.2	1376.6	1348.8
7.5°	1415.0	1408.6	1419.3	1430.0	1449.2	1459.9	1464.2	1455.6	1459.9	1438.5	1402.2
10°	1331.7	1327.4	1355.2	1395.8	1451.4	1500.5	1532.6	1534.7	1541.1	1519.8	1477.0
12.5°	1154.3	1145.7	1201.3	1278.2	1391.5	1504.8	1594.6	1628.8	1643.7	1635.2	1575.3
15°	989.7	1000.4	1038.8	1122.2	1274.0	1447.1	1628.8	1742.1	1763.4	1774.1	1703.6
17.5°	972.6	974.7	987.5	1028.1	1143.6	1353.0	1633.1	1859.6	1889.6	1936.6	1840.4
20°	1019.6	1015.3	1028.1	1041.0	1096.5	1269.7	1592.4	1972.9	2030.6	2131.1	2026.4
22.5°	1107.2	1107.2	1113.6	1122.2	1150.0	1263.3	1575.3	2077.7	2176.0	2381.2	2259.3
25°	1254.7	1237.6	1241.9	1231.2	1254.7	1340.2	1613.8	2161.0	2295.7	2659.1	2537.2
27.5°	1483.4	1489.8	1451.4	1393.7	1406.5	1479.2	1707.9	2255.1	2419.7	2947.6	2819.4
30°	1799.8	1789.1	1765.6	1652.3	1601.0	1665.1	1881.0	2409.0	2586.4	3313.1	3195.6
32.5°	2047.7	2077.7	2037.0	1958.0	1878.9	1898.1	2124.7	2656.9	2789.5	3648.7	3584.6
35°	2347.0	2347.0	2355.5	2244.4	2190.9	2186.7	2430.3	2926.3	3058.8	3952.3	3997.1
37.5°	2751.0	2723.2	2676.2	2552.2	2511.6	2565.0	2716.8	3204.1	3347.3	4198.1	4317.8
40°	3090.8	3110.1	3103.7	2924.1	2845.0	2902.7	3037.4	3441.4	3552.5	4356.2	4576.4
42.5°	3424.3	3435.0	3407.2	3321.7	3206.3	3210.5	3321.7	3620.9	3734.2	4508.0	4820.1
45°	3674.4	3672.2	3653.0	3631.6	3563.2	3492.7	3511.9	3819.7	3918.1	4557.2	4952.6
47.5°	3753.5	3770.6	3787.7	3847.5	3894.5	3783.4	3685.1	3926.6	4016.4	4548.6	5001.8
50°	3680.8	3717.1	3800.5	3890.3	4050.6	4042.0	3830.4	4042.0	4129.7	4595.6	5059.5
52.5°	3518.3	3554.7	3665.8	3828.3	4069.8	4189.5	4099.7	4236.5	4339.1	4715.3	5179.2
55°	3140.0	3155.0	3383.7	3597.4	3973.6	4125.4	4388.3	4565.7	4651.2	4860.7	5337.4
57.5°	2556.5	2592.8	2817.2	3165.7	3704.3	3956.5	4552.9	5127.9	5125.8	4999.6	5371.6
60°	*1682.2*	*1789.1*	*2154.6*	*2539.4*	*3182.8*	*3625.2*	*4542.2*	*5786.2*	*5852.5*	*4862.8*	*4959.0*
62.5°	1284.6	1329.5	1536.9	1857.5	2355.5	3005.3	4471.7	5982.9	6034.2	4495.2	4341.3
65°	966.2	1021.7	1220.5	1506.9	1663.0	2037.0	4010.0	5200.6	5271.1	4012.1	3375.1
67.5°	592.1	637.0	902.0	1237.6	1259.0	1265.4	2706.1	3939.4	3965.1	3236.2	2272.2
70°	395.4	440.3	624.2	951.2	1002.5	728.9	1485.6	2981.8	2979.7	2214.5	1380.8
72.5°	228.7	250.1	395.4	701.1	788.7	463.8	741.7	1896.0	1812.6	1041.0	645.5
75°	130.4	145.4	218.0	451.0	553.6	295.0	292.8	1015.3	897.8	536.5	352.7
77.5°	79.1	85.5	119.7	295.0	333.5	198.8	162.5	472.4	455.3	314.2	186.0
80°	38.5	44.9	72.7	173.1	213.8	106.9	98.3	186.0	198.8	173.1	98.3
82.5°	12.8	17.1	40.6	66.3	138.9	42.8	40.6	102.6	109.0	102.6	47.0
85°	6.4	8.6	19.2	21.4	53.4	21.4	15.0	44.9	55.6	34.2	19.2
87.5°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3	4.3
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°	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2
2.5°	1312.4	1308.2	1299.6	1284.6	1282.5	1271.8	1254.7	1244.0	1235.5	1241.9	1244.0
5°	1335.9	1325.3	1299.6	1259.0	1216.2	1173.5	1132.9	1085.9	1053.8	1049.5	1041.0
7.5°	1378.7	1357.3	1301.7	1222.7	1113.6	1011.0	891.3	775.9	718.2	709.7	690.4
10°	1447.1	1410.8	1318.8	1158.5	949.1	735.3	553.6	429.6	359.1	346.3	350.6
12.5°	1528.3	1477.0	1321.0	1049.5	722.5	455.3	314.2	267.2	252.2	245.8	245.8
15°	1633.1	1558.2	1318.8	908.4	487.4	292.8	252.2	233.0	226.6	222.3	222.3
17.5°	1765.6	1667.3	1303.9	696.8	329.2	254.4	230.9	215.9	207.3	205.2	205.2
20°	1921.6	1789.1	1269.7	519.4	275.7	237.3	218.0	198.8	192.4	188.1	188.1
22.5°	2120.4	1936.6	1203.4	404.0	260.8	226.6	205.2	183.8	177.4	173.1	173.1
25°	2351.3	2124.7	1115.8	363.4	258.6	218.0	192.4	171.0	164.6	162.5	160.3
27.5°	2624.9	2325.6	1034.6	365.5	262.9	211.6	179.6	160.3	153.9	147.5	149.6
30°	2947.6	2533.0	968.3	391.2	267.2	205.2	171.0	153.9	147.5	138.9	138.9
32.5°	3266.1	2776.6	961.9	438.2	282.2	200.9	162.5	145.4	138.9	132.5	132.5
35°	3593.2	2998.9	998.2	500.2	312.1	194.5	151.8	136.8	130.4	126.1	124.0
37.5°	3905.2	3176.3	1032.4	538.7	295.0	166.7	138.9	126.1	119.7	111.2	111.2
40°	4112.6	3272.5	1038.8	508.7	243.7	149.6	126.1	113.3	104.7	100.5	98.3
42.5°	4264.3	3334.5	966.2	412.5	211.6	136.8	115.4	102.6	96.2	91.9	91.9
45°	4326.3	3313.1	842.2	314.2	194.5	126.1	104.7	94.1	89.8	85.5	85.5
47.5°	4317.8	3214.8	716.1	252.2	177.4	115.4	98.3	89.8	85.5	81.2	79.1
50°	4302.8	3122.9	587.8	224.4	158.2	109.0	91.9	85.5	79.1	74.8	72.7
52.5°	4401.1	3093.0	487.4	205.2	147.5	104.7	89.8	81.2	74.8	70.5	70.5
55°	4499.5	3105.8	382.6	192.4	136.8	102.6	87.6	79.1	72.7	66.3	66.3
57.5°	4493.0	3050.2	290.7	179.6	128.3	100.5	85.5	77.0	66.3	62.0	62.0
60°	*4084.8*	*2721.1*	*226.6*	*164.6*	*117.6*	*94.1*	*79.1*	*72.7*	*62.0*	*55.6*	*55.6*
62.5°	3454.2	2139.6	186.0	145.4	104.7	85.5	72.7	66.3	55.6	44.9	44.9
65°	2552.2	1543.3	149.6	126.1	96.2	74.8	66.3	57.7	44.9	36.3	34.2
67.5°	1727.1	949.1	119.7	104.7	85.5	64.1	55.6	49.2	40.6	29.9	27.8
70°	1023.9	504.5	87.6	72.7	64.1	47.0	47.0	42.8	34.2	25.7	23.5
72.5°	487.4	175.3	64.1	53.4	49.2	34.2	36.3	36.3	27.8	19.2	17.1
75°	248.0	85.5	42.8	38.5	32.1	25.7	29.9	27.8	19.2	12.8	12.8
77.5°	141.1	59.9	29.9	25.7	21.4	17.1	19.2	17.1	10.7	6.4	6.4
80°	79.1	42.8	19.2	17.1	12.8	10.7	10.7	8.6	6.4	2.1	2.1
82.5°	29.9	25.7	12.8	8.6	6.4	6.4	4.3	4.3	2.1	0.0	0.0
85°	12.8	6.4	6.4	4.3	4.3	2.1	2.1	2.1	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2
2.5°	1226.9	1231.2	1235.5	1252.6	1256.9	1269.7	1280.4	1293.2	1295.3	1312.4	1312.4
5°	1058.1	1055.9	1092.3	1145.7	1179.9	1226.9	1263.3	1301.7	1323.1	1350.9	1363.7
7.5°	701.1	754.5	835.8	929.8	1051.7	1164.9	1250.4	1325.3	1376.6	1408.6	1421.4
10°	348.4	378.3	463.8	617.7	825.1	1055.9	1237.6	1376.6	1459.9	1496.3	1519.8
12.5°	245.8	252.2	267.2	350.6	549.3	876.4	1197.0	1432.1	1547.6	1616.0	1645.9
15°	220.2	224.4	230.9	254.4	339.9	654.1	1124.3	1494.1	1684.4	1763.4	1801.9
17.5°	203.1	205.2	211.6	230.9	267.2	444.6	1006.8	1560.4	1848.9	1945.1	2017.8
20°	188.1	188.1	194.5	218.0	248.0	342.0	837.9	1635.2	2058.4	2197.4	2270.0
22.5°	171.0	175.3	179.6	205.2	241.5	312.1	679.7	1692.9	2291.4	2460.3	2545.8
25°	158.2	162.5	166.7	192.4	235.1	312.1	587.8	1729.2	2552.2	2753.1	2870.7
27.5°	147.5	151.8	158.2	183.8	228.7	324.9	551.5	1739.9	2836.5	3097.3	3255.4
30°	138.9	143.2	149.6	177.4	233.0	339.9	564.3	1725.0	3125.0	3452.1	3640.2
32.5°	130.4	134.7	141.1	171.0	233.0	359.1	607.1	1695.0	3405.1	3806.9	4037.8
35°	124.0	126.1	128.3	153.9	211.6	357.0	660.5	1665.1	3687.2	4157.5	4426.8
37.5°	111.2	113.3	117.6	132.5	168.9	324.9	671.2	1628.8	3909.5	4452.4	4749.5
40°	98.3	102.6	106.9	121.8	141.1	262.9	624.2	1551.8	4027.1	4679.0	5040.3
42.5°	89.8	91.9	96.2	111.2	130.4	209.5	523.7	1417.2	4131.8	4832.9	5251.9
45°	83.4	85.5	89.8	100.5	121.8	181.7	412.5	1252.6	4140.4	4882.1	5354.5
47.5°	77.0	79.1	81.2	91.9	117.6	162.5	316.4	1103.0	4138.2	4946.2	5442.1
50°	72.7	74.8	79.1	87.6	111.2	145.4	260.8	981.1	4228.0	5085.1	5619.5
52.5°	70.5	70.5	77.0	85.5	104.7	132.5	218.0	872.1	4275.0	5221.9	5747.8
55°	66.3	68.4	72.7	81.2	98.3	126.1	186.0	735.3	4296.4	5290.3	5771.3
57.5°	62.0	64.1	70.5	77.0	94.1	119.7	160.3	549.3	3990.7	4933.4	5378.0
60°	*55.6*	*59.9*	*68.4*	*74.8*	*87.6*	*109.0*	*141.1*	*371.9*	*3366.6*	*4287.8*	*4659.8*
62.5°	44.9	53.4	62.0	66.3	79.1	91.9	119.7	248.0	2689.0	3548.3	3971.5
65°	34.2	44.9	51.3	57.7	66.3	77.0	100.5	168.9	1793.4	2387.6	2864.3
67.5°	29.9	38.5	42.8	47.0	55.6	66.3	81.2	117.6	1088.0	1434.3	1904.5
70°	23.5	32.1	36.3	34.2	42.8	51.3	57.7	79.1	555.8	778.1	1083.7
72.5°	17.1	25.7	27.8	27.8	25.7	36.3	42.8	55.6	241.5	378.3	491.6
75°	12.8	17.1	19.2	17.1	15.0	23.5	29.9	36.3	158.2	226.6	286.4
77.5°	6.4	6.4	10.7	10.7	6.4	12.8	15.0	21.4	89.8	132.5	164.6
80°	2.1	0.0	0.0	2.1	0.0	4.3	6.4	10.7	47.0	70.5	102.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	23.5	21.4	53.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	12.8
87.5°	0.0	0.0	0.0	0.0	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: P1501906
CATALOG NUMBER: GSS-SB2B-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1308.2	*1308.2*	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2	1308.2
2.5°	1323.1	*1323.1*	1331.7	1344.5	1350.9	1355.2	1357.3	1361.6	1378.7	1374.4
5°	1378.7	*1383.0*	1389.4	1402.2	1417.2	1412.9	1412.9	1412.9	1423.6	1415.0
7.5°	1451.4	*1464.2*	1466.3	1481.3	1470.6	1449.2	1436.4	1417.2	1415.0	1415.0
10°	1568.9	*1564.7*	1564.7	1545.4	1506.9	1445.0	1389.4	1350.9	1329.5	1331.7
12.5°	1695.0	*1677.9*	1680.1	1609.5	1500.5	1363.7	1250.4	1167.1	1160.7	1154.3
15°	1851.1	*1806.2*	1797.6	1635.2	1404.3	1194.9	1083.7	1017.5	996.1	989.7
17.5°	2073.4	*1960.1*	1919.5	1590.3	1278.2	1090.1	1006.8	976.8	974.7	972.6
20°	2308.5	*2084.1*	2007.1	1524.0	1235.5	1092.3	1030.3	1021.7	1017.5	1019.6
22.5°	2582.1	*2163.2*	2064.8	1534.7	1274.0	1162.8	1113.6	1107.2	1103.0	1107.2
25°	2864.3	*2255.1*	2133.2	1620.2	1389.4	1293.2	1235.5	1222.7	1235.5	1254.7
27.5°	3148.6	*2379.0*	2267.9	1789.1	1575.3	1470.6	1415.0	1462.1	1481.3	1483.4
30°	3400.8	*2552.2*	2449.6	2026.4	1787.0	1682.2	1692.9	1752.8	1776.3	1799.8
32.5°	3631.6	*2783.0*	2704.0	2295.7	2060.6	1998.6	1992.2	2037.0	2062.7	2047.7
35°	3864.6	*3084.4*	3007.5	2588.5	2396.1	2344.8	2291.4	2379.0	2370.5	2347.0
37.5°	4084.8	*3388.0*	3317.4	2902.7	2704.0	2614.2	2605.6	2684.7	2755.3	2751.0
40°	4243.0	*3633.8*	3548.3	3214.8	3026.7	2949.8	2994.7	3131.5	3114.4	3090.8
42.5°	4388.3	*3843.2*	3766.3	3488.4	3291.8	3326.0	3366.6	3458.5	3447.8	3424.3
45°	4456.7	*4022.8*	3956.5	3695.8	3599.6	3708.6	3706.4	3740.6	3682.9	3674.4
47.5°	4552.9	*4151.0*	4082.6	3881.7	3967.2	4012.1	3886.0	3849.7	3796.2	3753.5
50°	4730.3	*4349.8*	4281.4	4163.9	4236.5	4097.6	3943.7	3864.6	3755.6	3680.8
52.5°	4937.7	*4651.2*	4591.4	4544.3	4341.3	4054.9	3858.2	3715.0	3582.5	3518.3
55°	5198.4	*5095.8*	5053.1	4794.4	4247.2	3879.6	3648.7	3381.5	3199.9	3140.0
57.5°	5283.9	*5747.8*	5732.8	4835.0	3984.3	3561.1	3144.3	2783.0	2594.9	2556.5
60°	*5031.7*	*6258.6*	*6205.2*	*4766.6*	*3507.7*	*2889.9*	*2402.6*	*2032.8*	*1727.1*	*1682.2*
62.5°	4708.9	*5867.5*	5848.2	4422.5	2671.9	2071.2	1795.5	1449.2	1318.8	1284.6
65°	4033.5	*4800.8*	4809.4	3548.3	1690.8	1487.7	1474.9	1152.1	991.8	966.2
67.5°	3105.8	*3682.9*	3623.1	2231.6	985.4	1190.6	1177.8	842.2	609.2	592.1
70°	1814.7	*2742.4*	2646.2	1160.7	651.9	993.9	906.3	592.1	414.7	395.4
72.5°	801.6	*1509.1*	1620.2	510.9	459.6	790.9	654.1	363.4	233.0	228.7
75°	444.6	*748.1*	782.3	222.3	322.8	562.2	395.4	203.1	132.5	130.4
77.5°	267.2	*331.3*	322.8	143.2	241.5	359.1	239.4	115.4	83.4	79.1
80°	149.6	*151.8*	128.3	104.7	143.2	200.9	134.7	72.7	38.5	38.5
82.5°	91.9	*83.4*	66.3	32.1	38.5	121.8	49.2	40.6	12.8	12.8
85°	38.5	*25.7*	17.1	6.4	15.0	32.1	17.1	19.2	6.4	6.4
87.5°	0.0	*0.0*	0.0	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

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

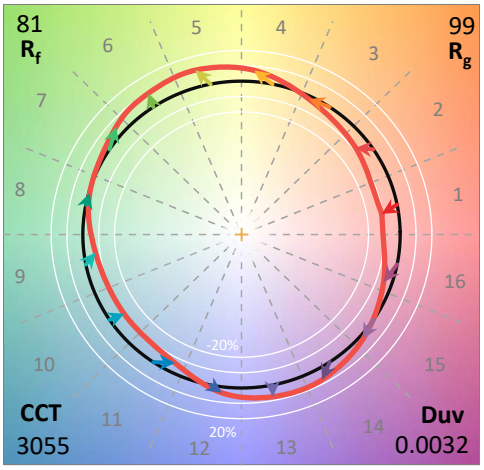
Test Information

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

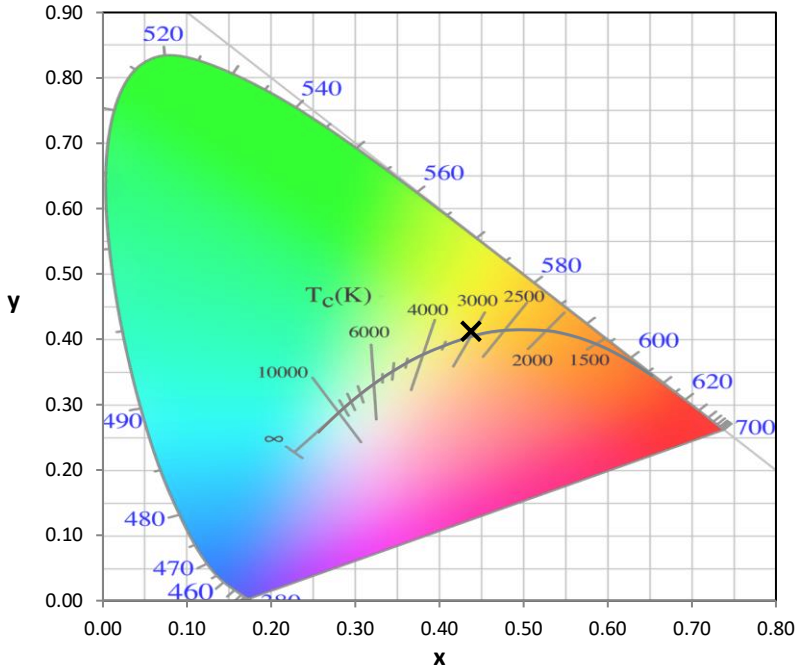
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

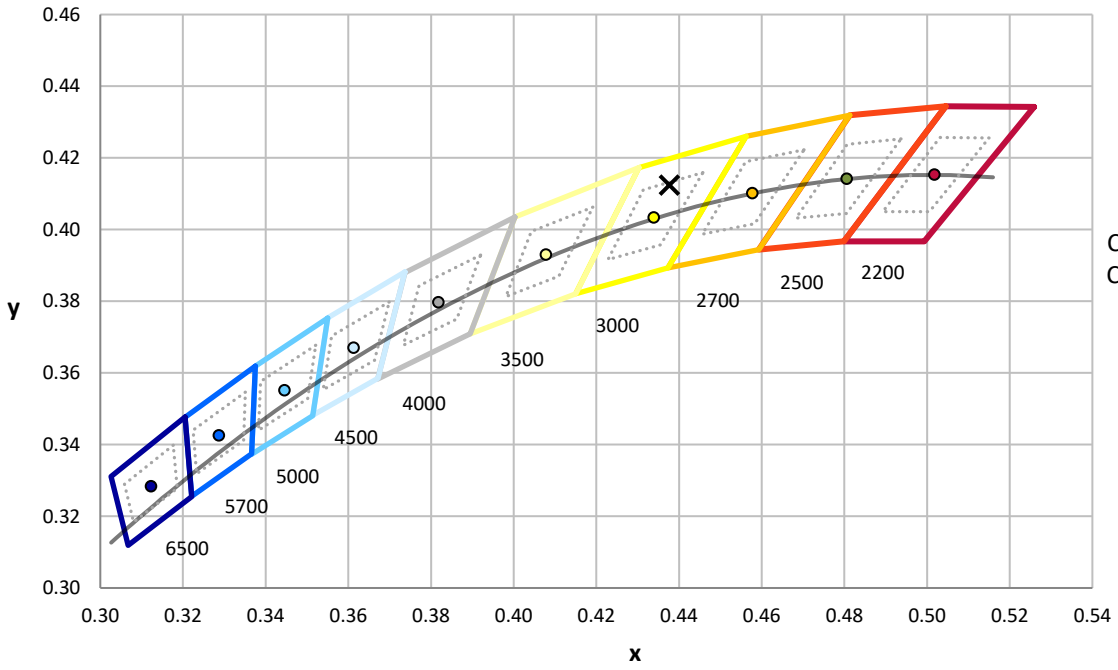
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

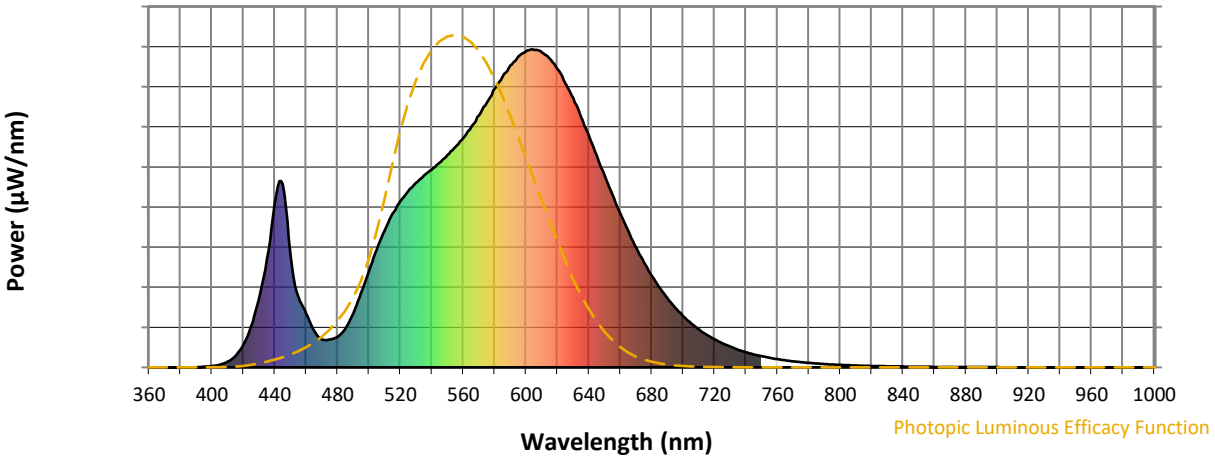


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

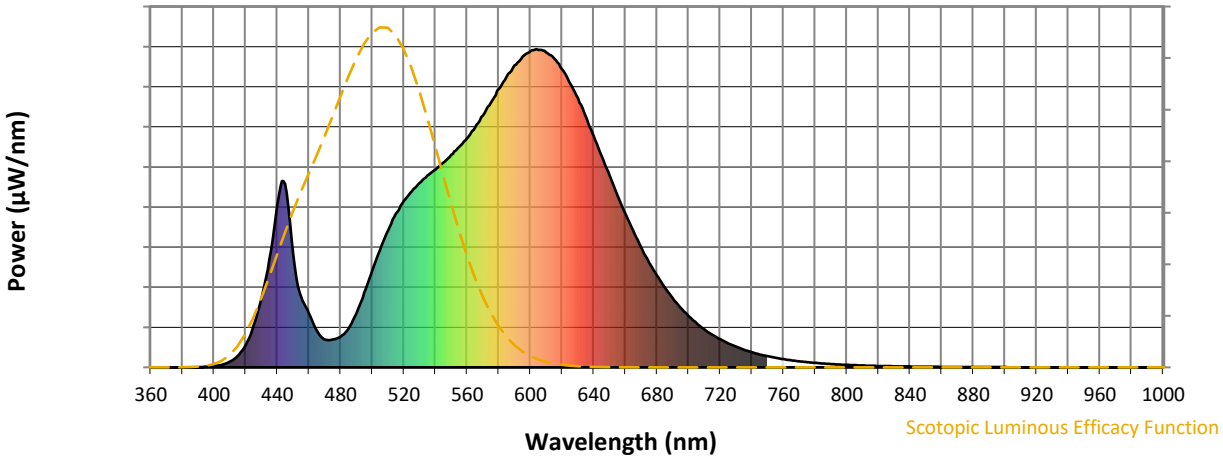


Photopic Lumens: NR

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

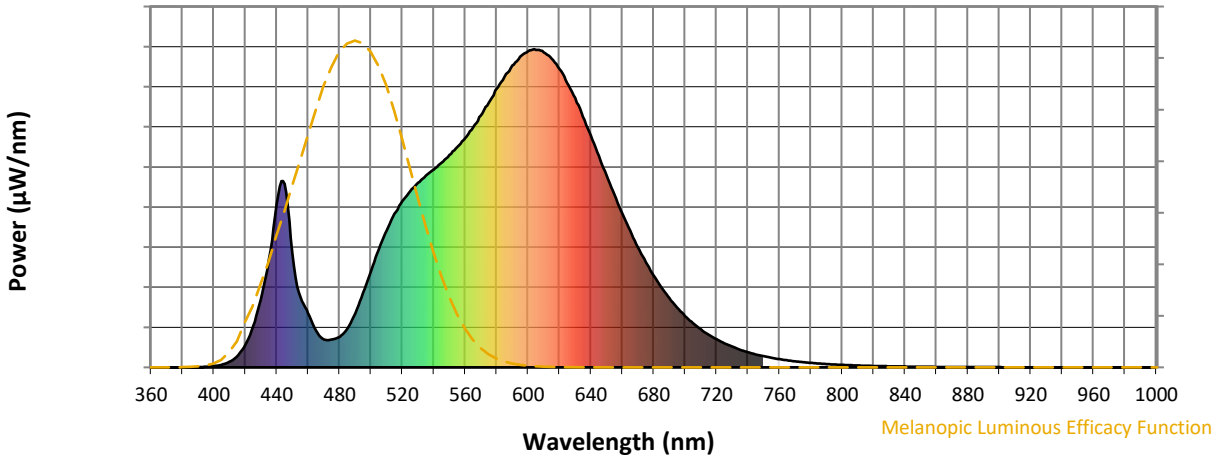


Scotopic Lumens: NR **S/P: 1.28**

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			

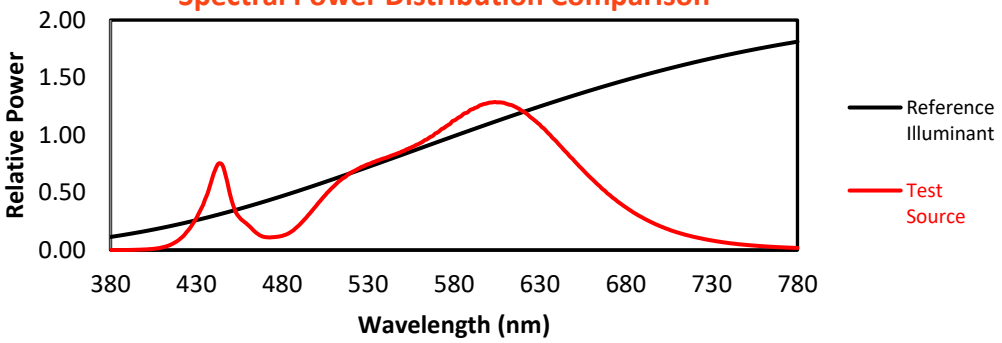
REPORT NUMBER: SP1-2407-184-9

TM-30-18

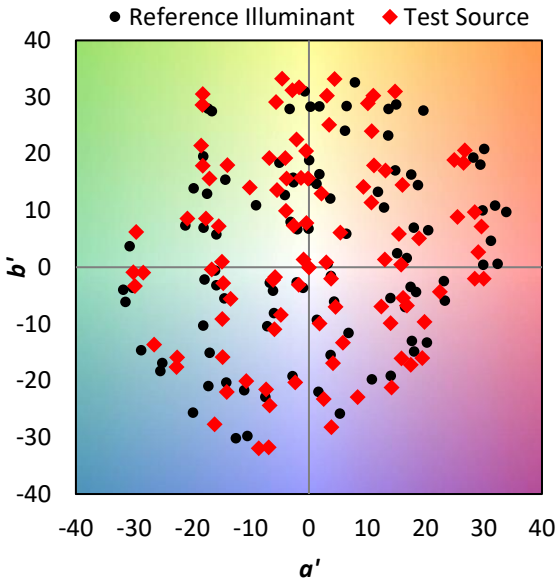
Summary

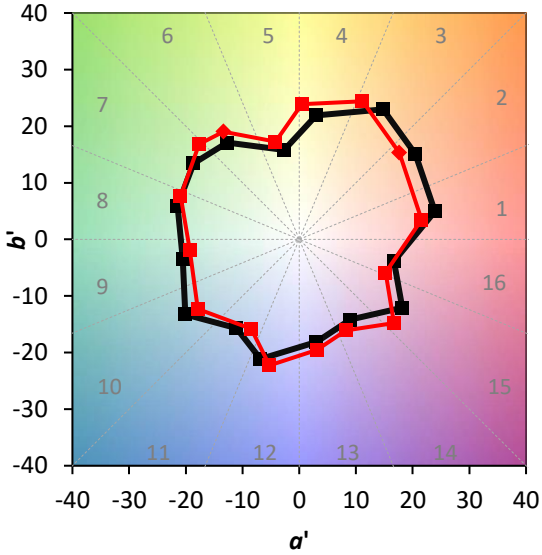
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

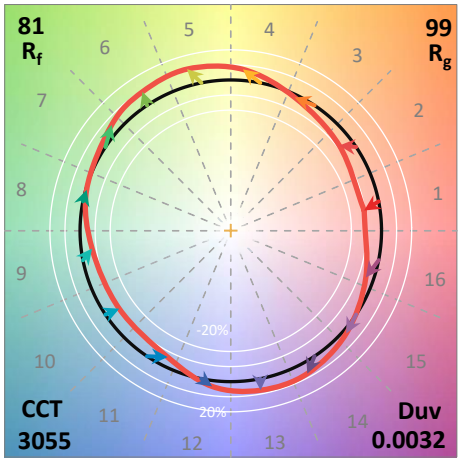
Spectral Power Distribution Comparison

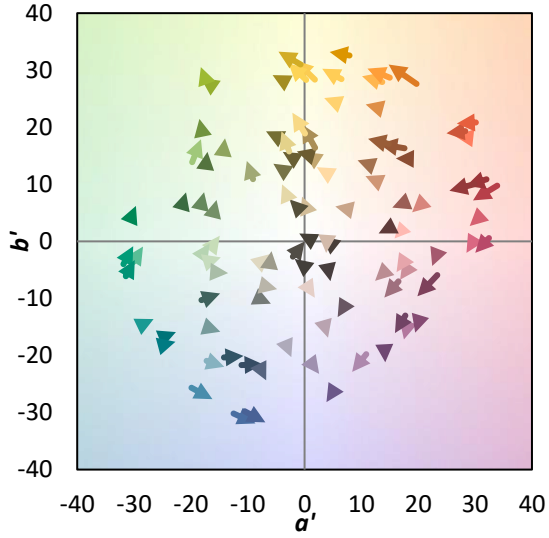


Color Vector Graphics







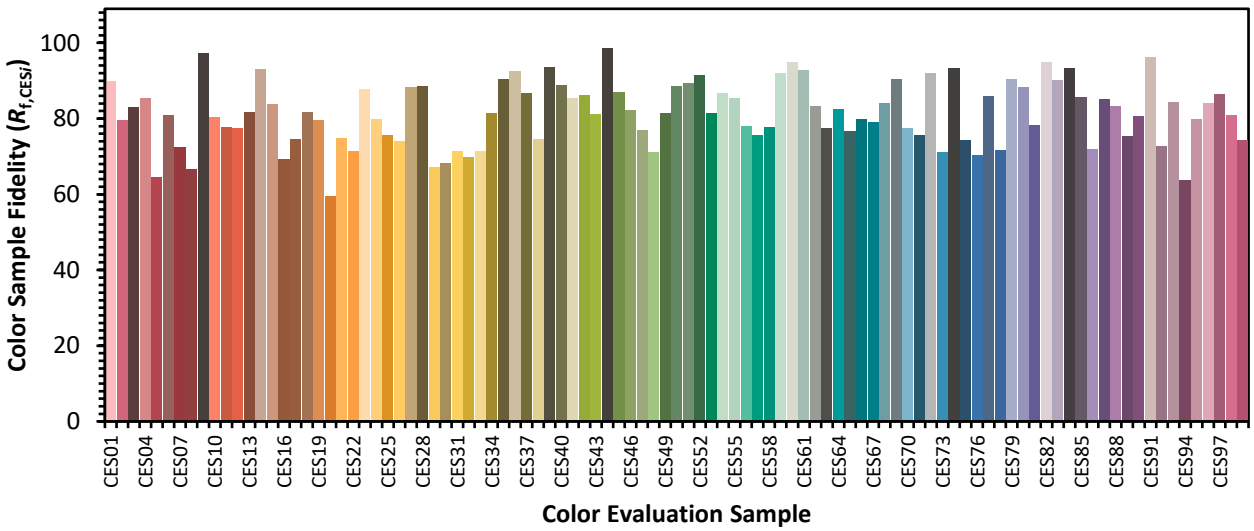


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

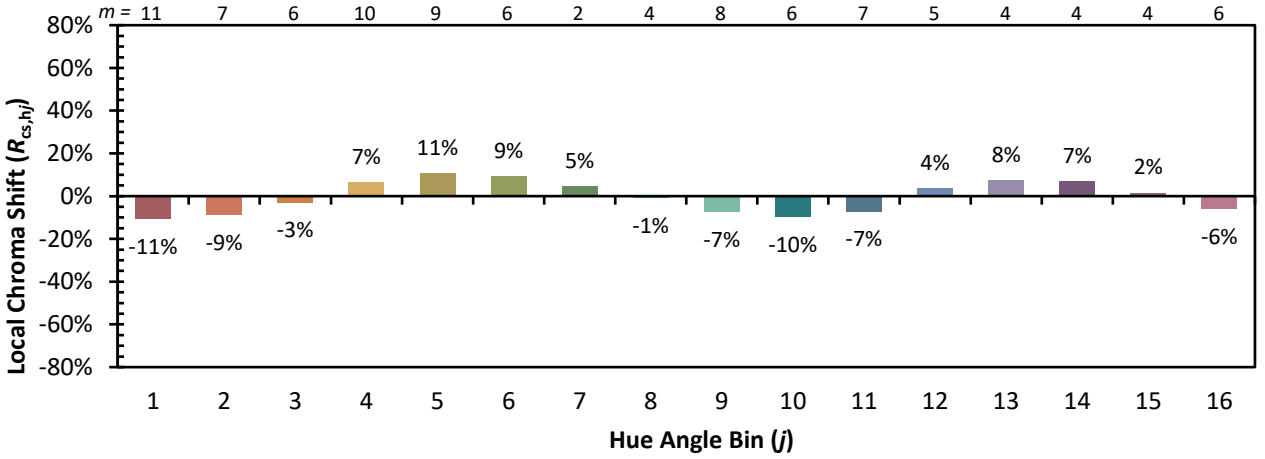
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

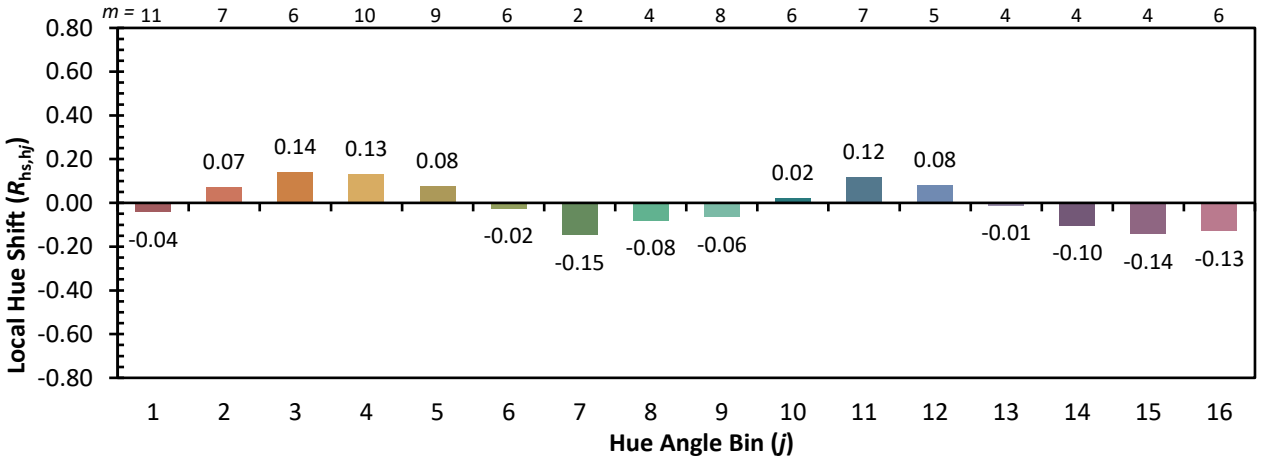


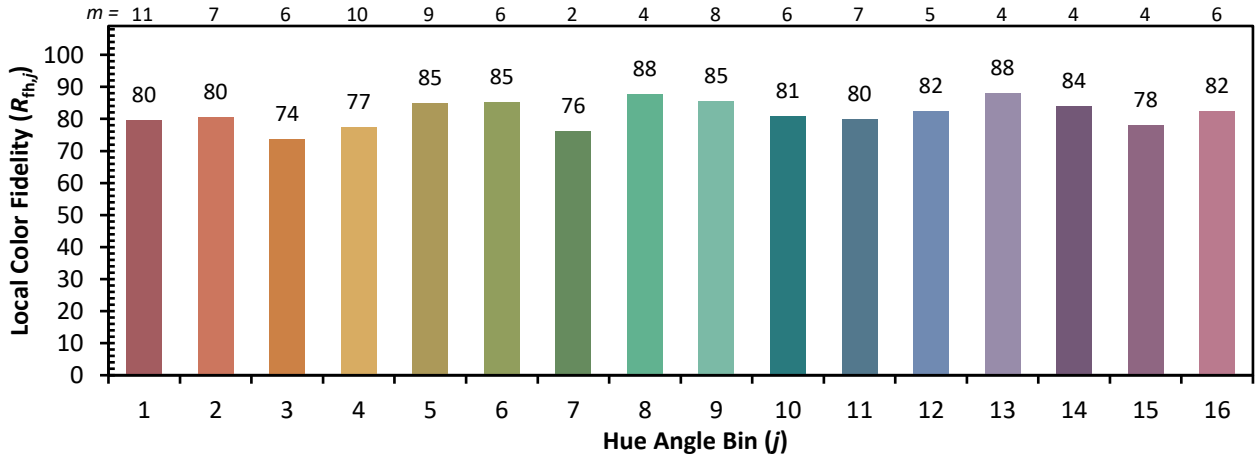
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Color Rendition by Hue-Angle Bin



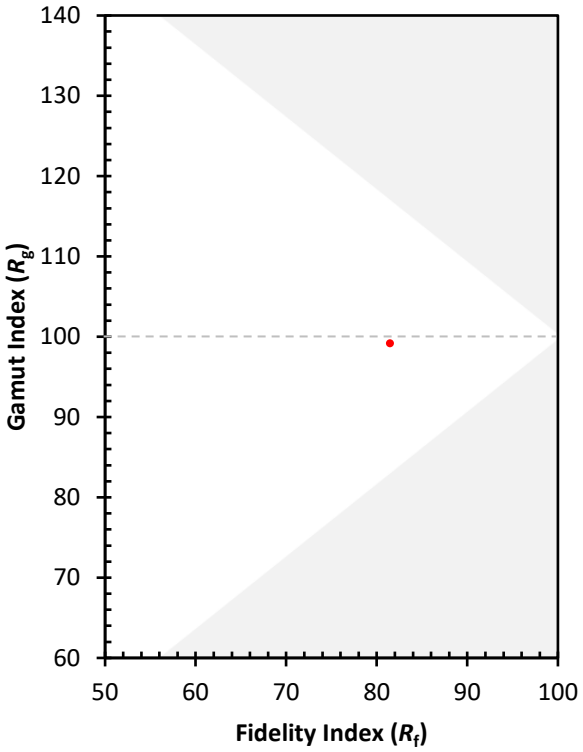


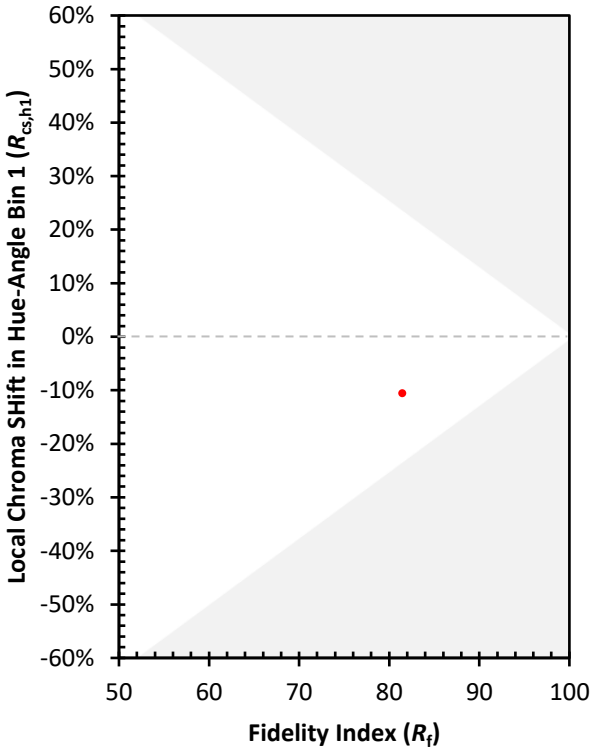


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Measure Comparisons





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