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: P1501738

Luminaire Tested: GSS-SB2B-722-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:	P1501738
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7021.3 lumens
Efficiency:	N/A
Efficacy:	94.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

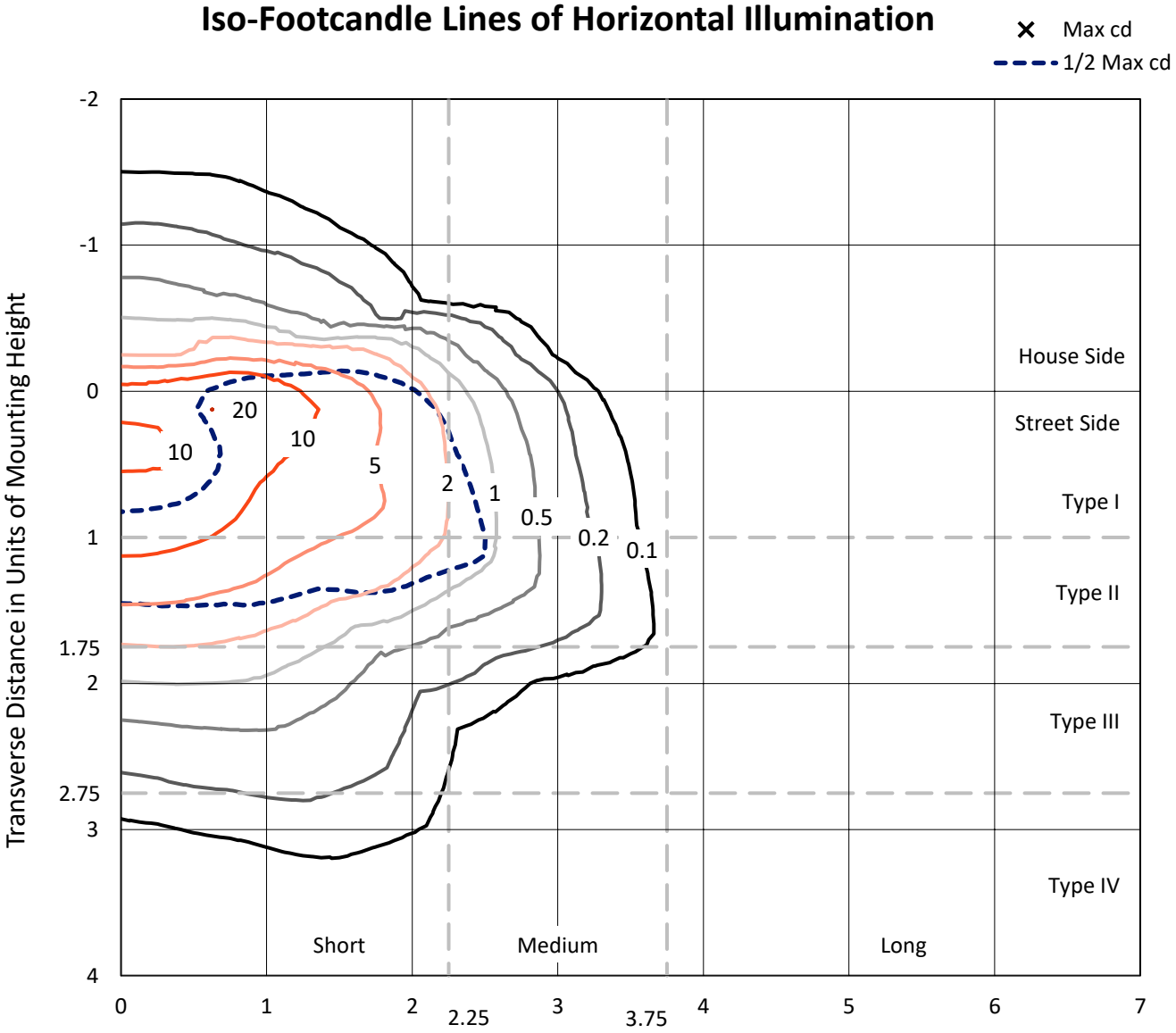
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



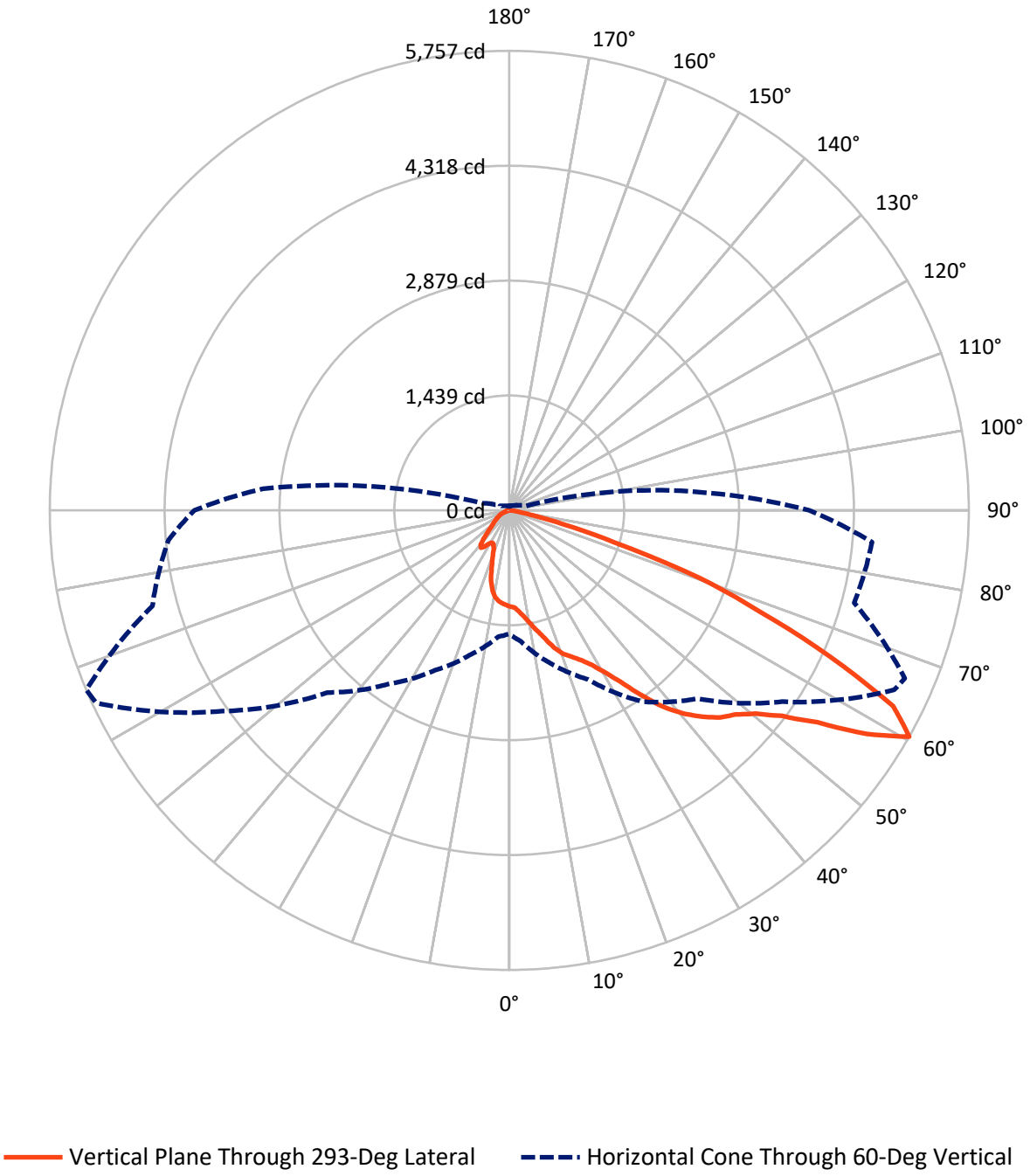
Based on 10 foot mounting height. Maximum calculated value = 20 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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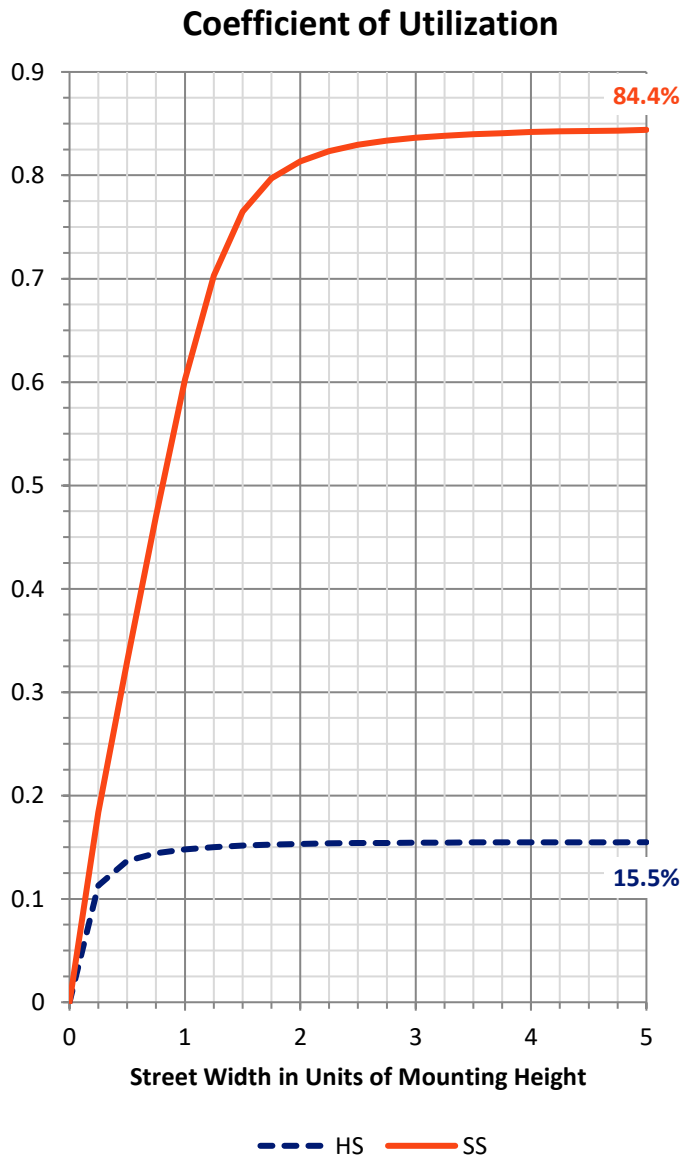
REPORT NUMBER: P1501738
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.5	0.0	1095.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	5925.8	0.0	5925.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	7021.3	0.0	7021.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	1.6
10°-20°	274.4	3.9
20°-30°	512.3	7.3
30°-40°	1016.0	14.5
40°-50°	1619.8	23.1
50°-60°	1935.3	27.6
60°-70°	1268.7	18.1
70°-80°	265.8	3.8
80°-90°	20.1	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°	7021.3	100.0
0°-180°	7021.3	100.0



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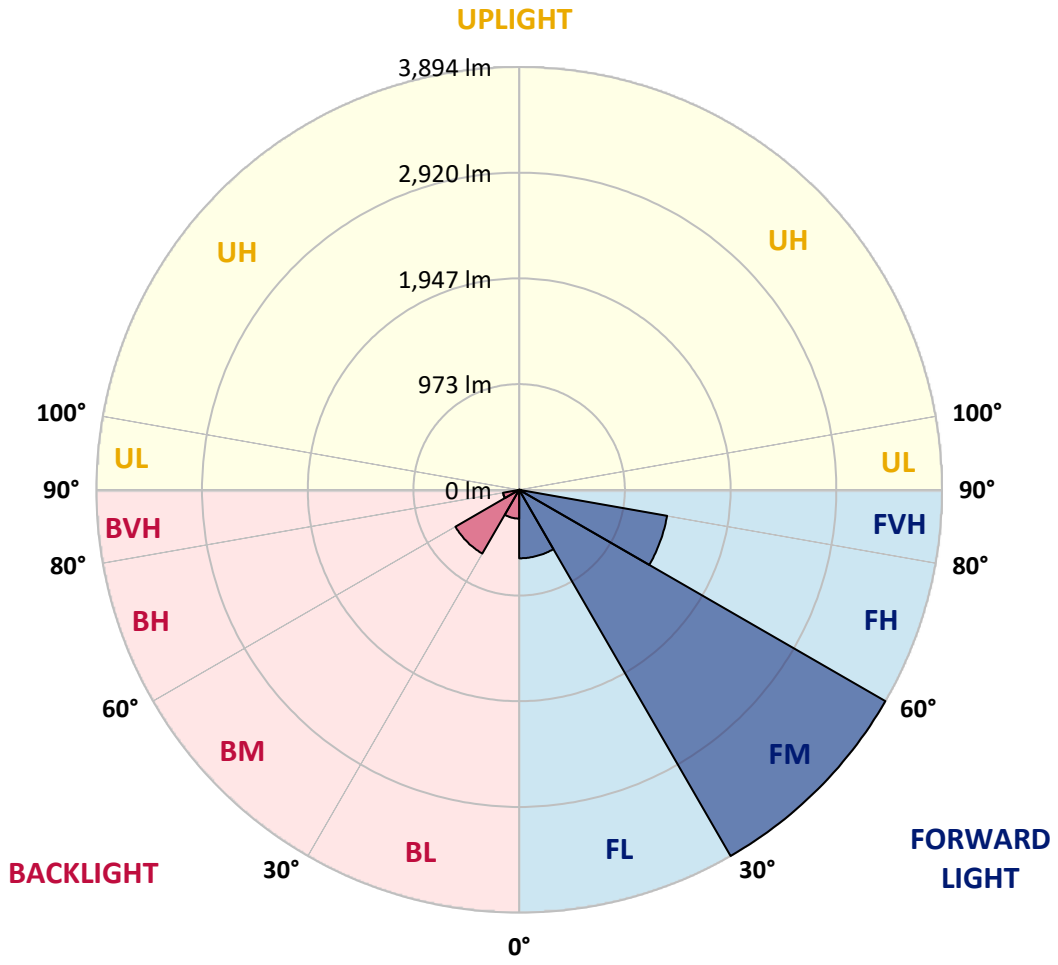
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	630.7	9.0			
FM	(30°-60°)	3893.6	55.5			
FH	(60°-80°)	1383.2	19.7			G1/1800
FVH	(80°-90°)	18.4	0.3			G1/100
BL	(0°-30°)	265.0	3.8	B1/500		
BM	(30°-60°)	677.5	9.6	B1/1000		
BH	(60°-80°)	151.3	2.2	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4
2.5°	1264.3	1260.4	1254.5	1256.5	1254.5	1246.6	1234.8	1225.0	1232.9	1221.1	1213.2
5°	1301.7	1301.7	1297.8	1297.8	1299.7	1295.8	1287.9	1274.2	1276.1	1266.3	1240.7
7.5°	1301.7	1295.8	1305.6	1315.5	1333.2	1343.0	1346.9	1339.1	1343.0	1323.3	1289.9
10°	1225.0	1221.1	1246.6	1284.0	1335.1	1380.3	1409.8	1411.8	1417.7	1398.0	1358.7
12.5°	1061.8	1053.9	1105.1	1175.9	1280.1	1384.3	1466.9	1498.3	1512.1	1504.2	1449.2
15°	910.4	920.2	955.6	1032.3	1171.9	1331.2	1498.3	1602.5	1622.2	1632.0	1567.1
17.5°	894.7	896.6	908.4	945.8	1052.0	1244.7	1502.3	1710.7	1738.2	1781.5	1693.0
20°	937.9	934.0	945.8	957.6	1008.7	1168.0	1464.9	1814.9	1868.0	1960.4	1864.1
22.5°	1018.5	1018.5	1024.4	1032.3	1057.9	1162.1	1449.2	1911.3	2001.7	2190.5	2078.4
25°	1154.2	1138.5	1142.4	1132.6	1154.2	1232.9	1484.6	1987.9	2111.8	2446.1	2334.0
27.5°	1364.6	1370.5	1335.1	1282.0	1293.8	1360.7	1571.1	2074.5	2225.9	2711.5	2593.6
30°	1655.6	1645.8	1624.2	1520.0	1472.8	1531.8	1730.4	2216.0	2379.2	3047.8	2939.6
32.5°	1883.7	1911.3	1873.9	1801.1	1728.4	1746.1	1954.5	2444.1	2566.0	3356.5	3297.5
35°	2159.0	2159.0	2166.9	2064.6	2015.5	2011.5	2235.7	2691.9	2813.8	3635.7	3677.0
37.5°	2530.6	2505.1	2461.8	2347.8	2310.4	2359.6	2499.2	2947.5	3079.2	3861.8	3971.9
40°	2843.3	2861.0	2855.1	2689.9	2617.2	2670.2	2794.1	3165.8	3268.0	4007.3	4209.9
42.5°	3150.0	3159.9	3134.3	3055.6	2949.5	2953.4	3055.6	3330.9	3435.1	4146.9	4434.0
45°	3380.1	3378.1	3360.4	3340.8	3277.8	3212.9	3230.6	3513.8	3604.2	4192.2	4555.9
47.5°	3452.8	3468.6	3484.3	3539.4	3582.6	3480.4	3389.9	3612.1	3694.7	4184.3	4601.2
50°	3386.0	3419.4	3496.1	3578.7	3726.2	3718.3	3523.6	3718.3	3798.9	4227.6	4654.3
52.5°	3236.5	3270.0	3372.2	3521.7	3743.9	3854.0	3771.4	3897.2	3991.6	4337.7	4764.4
55°	2888.5	2902.3	3112.7	3309.3	3655.4	3795.0	4036.8	4200.0	4278.7	4471.4	4909.9
57.5°	2351.7	2385.1	2591.6	2912.1	3407.6	3639.6	4188.2	4717.2	4715.2	4599.2	4941.3
60°	*1547.5*	*1645.8*	*1982.0*	*2336.0*	*2927.8*	*3334.9*	*4178.4*	*5322.8*	*5383.8*	*4473.4*	*4561.8*
62.5°	1181.8	1223.0	1413.8	1708.7	2166.9	2764.6	4113.5	5503.7	5550.9	4135.1	3993.6
65°	888.8	939.9	1122.8	1386.2	1529.8	1873.9	3688.8	4784.0	4848.9	3690.8	3104.8
67.5°	544.7	586.0	829.8	1138.5	1158.2	1164.1	2489.3	3623.9	3647.5	2977.0	2090.2
70°	363.8	405.1	574.2	875.0	922.2	670.5	1366.6	2743.0	2741.0	2037.1	1270.2
72.5°	210.4	230.1	363.8	644.9	725.6	426.7	682.3	1744.1	1667.4	957.6	593.8
75°	119.9	133.7	200.6	414.9	509.3	271.4	269.4	934.0	825.8	493.5	324.4
77.5°	72.8	78.7	110.1	271.4	306.7	182.9	149.4	434.6	418.8	289.0	171.1
80°	35.4	41.3	66.9	159.3	196.6	98.3	90.5	171.1	182.9	159.3	90.5
82.5°	11.8	15.7	37.4	61.0	127.8	39.3	37.4	94.4	100.3	94.4	43.3
85°	5.9	7.9	17.7	19.7	49.2	19.7	13.8	41.3	51.1	31.5	17.7
87.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4
2.5°	1207.3	1203.4	1195.5	1181.8	1179.8	1170.0	1154.2	1144.4	1136.5	1142.4	1144.4
5°	1228.9	1219.1	1195.5	1158.2	1118.8	1079.5	1042.1	998.9	969.4	965.5	957.6
7.5°	1268.3	1248.6	1197.5	1124.7	1024.4	930.1	820.0	713.8	660.7	652.8	635.1
10°	1331.2	1297.8	1213.2	1065.7	873.0	676.4	509.3	395.2	330.3	318.5	322.5
12.5°	1405.9	1358.7	1215.2	965.5	664.6	418.8	289.0	245.8	232.0	226.1	226.1
15°	1502.3	1433.4	1213.2	835.7	448.3	269.4	232.0	214.3	208.4	204.5	204.5
17.5°	1624.2	1533.7	1199.4	641.0	302.8	234.0	212.4	198.6	190.7	188.8	188.8
20°	1767.7	1645.8	1168.0	477.8	253.7	218.3	200.6	182.9	177.0	173.0	173.0
22.5°	1950.6	1781.5	1107.0	371.6	239.9	208.4	188.8	169.1	163.2	159.3	159.3
25°	2162.9	1954.5	1026.4	334.3	237.9	200.6	177.0	157.3	151.4	149.4	147.5
27.5°	2414.6	2139.3	951.7	336.2	241.9	194.7	165.2	147.5	141.6	135.7	137.6
30°	2711.5	2330.1	890.7	359.8	245.8	188.8	157.3	141.6	135.7	127.8	127.8
32.5°	3004.5	2554.2	884.8	403.1	259.6	184.8	149.4	133.7	127.8	121.9	121.9
35°	3305.4	2758.7	918.3	460.1	287.1	178.9	139.6	125.8	119.9	116.0	114.0
37.5°	3592.4	2921.9	949.7	495.5	271.4	153.4	127.8	116.0	110.1	102.2	102.2
40°	3783.2	3010.4	955.6	468.0	224.2	137.6	116.0	104.2	96.3	92.4	90.5
42.5°	3922.8	3067.4	888.8	379.5	194.7	125.8	106.2	94.4	88.5	84.6	84.6
45°	3979.8	3047.8	774.7	289.0	178.9	116.0	96.3	86.5	82.6	78.7	78.7
47.5°	3971.9	2957.3	658.7	232.0	163.2	106.2	90.5	82.6	78.7	74.7	72.8
50°	3958.2	2872.8	540.7	206.5	145.5	100.3	84.6	78.7	72.8	68.8	66.9
52.5°	4048.6	2845.2	448.3	188.8	135.7	96.3	82.6	74.7	68.8	64.9	64.9
55°	4139.1	2857.0	352.0	177.0	125.8	94.4	80.6	72.8	66.9	61.0	61.0
57.5°	4133.2	2805.9	267.4	165.2	118.0	92.4	78.7	70.8	61.0	57.0	57.0
60°	*3757.6*	*2503.1*	*208.4*	*151.4*	*108.1*	*86.5*	*72.8*	*66.9*	*57.0*	*51.1*	*51.1*
62.5°	3177.6	1968.3	171.1	133.7	96.3	78.7	66.9	61.0	51.1	41.3	41.3
65°	2347.8	1419.7	137.6	116.0	88.5	68.8	61.0	53.1	41.3	33.4	31.5
67.5°	1588.8	873.0	110.1	96.3	78.7	59.0	51.1	45.2	37.4	27.5	25.6
70°	941.9	464.0	80.6	66.9	59.0	43.3	43.3	39.3	31.5	23.6	21.6
72.5°	448.3	161.2	59.0	49.2	45.2	31.5	33.4	33.4	25.6	17.7	15.7
75°	228.1	78.7	39.3	35.4	29.5	23.6	27.5	25.6	17.7	11.8	11.8
77.5°	129.8	55.1	27.5	23.6	19.7	15.7	17.7	15.7	9.8	5.9	5.9
80°	72.8	39.3	17.7	15.7	11.8	9.8	9.8	7.9	5.9	2.0	2.0
82.5°	27.5	23.6	11.8	7.9	5.9	5.9	3.9	3.9	2.0	0.0	0.0
85°	11.8	5.9	5.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4
2.5°	1128.7	1132.6	1136.5	1152.3	1156.2	1168.0	1177.8	1189.6	1191.6	1207.3	1207.3
5°	973.3	971.4	1004.8	1053.9	1085.4	1128.7	1162.1	1197.5	1217.1	1242.7	1254.5
7.5°	644.9	694.1	768.8	855.3	967.4	1071.6	1150.3	1219.1	1266.3	1295.8	1307.6
10°	320.5	348.0	426.7	568.3	759.0	971.4	1138.5	1266.3	1343.0	1376.4	1398.0
12.5°	226.1	232.0	245.8	322.5	505.3	806.2	1101.1	1317.4	1423.6	1486.5	1514.1
15°	202.5	206.5	212.4	234.0	312.6	601.7	1034.3	1374.4	1549.5	1622.2	1657.6
17.5°	186.8	188.8	194.7	212.4	245.8	409.0	926.1	1435.4	1700.9	1789.3	1856.2
20°	173.0	173.0	178.9	200.6	228.1	314.6	770.8	1504.2	1893.6	2021.4	2088.2
22.5°	157.3	161.2	165.2	188.8	222.2	287.1	625.3	1557.3	2107.9	2263.2	2341.9
25°	145.5	149.4	153.4	177.0	216.3	287.1	540.7	1590.7	2347.8	2532.6	2640.8
27.5°	135.7	139.6	145.5	169.1	210.4	298.9	507.3	1600.6	2609.3	2849.2	2994.7
30°	127.8	131.7	137.6	163.2	214.3	312.6	519.1	1586.8	2874.7	3175.6	3348.6
32.5°	119.9	123.9	129.8	157.3	214.3	330.3	558.4	1559.3	3132.3	3502.0	3714.4
35°	114.0	116.0	118.0	141.6	194.7	328.4	607.6	1531.8	3391.9	3824.5	4072.2
37.5°	102.2	104.2	108.1	121.9	155.3	298.9	617.4	1498.3	3596.4	4095.8	4369.1
40°	90.5	94.4	98.3	112.1	129.8	241.9	574.2	1427.5	3704.5	4304.2	4636.6
42.5°	82.6	84.6	88.5	102.2	119.9	192.7	481.7	1303.7	3800.9	4445.8	4831.2
45°	76.7	78.7	82.6	92.4	112.1	167.1	379.5	1152.3	3808.7	4491.0	4925.6
47.5°	70.8	72.8	74.7	84.6	108.1	149.4	291.0	1014.6	3806.8	4550.0	5006.2
50°	66.9	68.8	72.8	80.6	102.2	133.7	239.9	902.5	3889.4	4677.8	5169.4
52.5°	64.9	64.9	70.8	78.7	96.3	121.9	200.6	802.3	3932.6	4803.7	5287.4
55°	61.0	62.9	66.9	74.7	90.5	116.0	171.1	676.4	3952.3	4866.6	5309.0
57.5°	57.0	59.0	64.9	70.8	86.5	110.1	147.5	505.3	3671.1	4538.2	4947.2
60°	*51.1*	*55.1*	*62.9*	*68.8*	*80.6*	*100.3*	*129.8*	*342.1*	*3096.9*	*3944.4*	*4286.6*
62.5°	41.3	49.2	57.0	61.0	72.8	84.6	110.1	228.1	2473.6	3264.1	3653.4
65°	31.5	41.3	47.2	53.1	61.0	70.8	92.4	155.3	1649.7	2196.4	2634.9
67.5°	27.5	35.4	39.3	43.3	51.1	61.0	74.7	108.1	1000.9	1319.4	1752.0
70°	21.6	29.5	33.4	31.5	39.3	47.2	53.1	72.8	511.2	715.7	996.9
72.5°	15.7	23.6	25.6	25.6	23.6	33.4	39.3	51.1	222.2	348.0	452.3
75°	11.8	15.7	17.7	15.7	13.8	21.6	27.5	33.4	145.5	208.4	263.5
77.5°	5.9	5.9	9.8	9.8	5.9	11.8	13.8	19.7	82.6	121.9	151.4
80°	2.0	0.0	0.0	2.0	0.0	3.9	5.9	9.8	43.3	64.9	94.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	21.6	19.7	49.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	11.8
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: P1501738
CATALOG NUMBER: GSS-SB2B-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1203.4	*1203.4*	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4	1203.4
2.5°	1217.1	*1217.1*	1225.0	1236.8	1242.7	1246.6	1248.6	1252.5	1268.3	1264.3
5°	1268.3	*1272.2*	1278.1	1289.9	1303.7	1299.7	1299.7	1299.7	1309.6	1301.7
7.5°	1335.1	*1346.9*	1348.9	1362.7	1352.8	1333.2	1321.4	1303.7	1301.7	1301.7
10°	1443.3	*1439.3*	1439.3	1421.6	1386.2	1329.2	1278.1	1242.7	1223.0	1225.0
12.5°	1559.3	*1543.6*	1545.5	1480.6	1380.3	1254.5	1150.3	1073.6	1067.7	1061.8
15°	1702.8	*1661.5*	1653.7	1504.2	1291.9	1099.2	996.9	936.0	916.3	910.4
17.5°	1907.3	*1803.1*	1765.7	1462.9	1175.9	1002.8	926.1	898.6	896.6	894.7
20°	2123.6	*1917.2*	1846.4	1402.0	1136.5	1004.8	947.8	939.9	936.0	937.9
22.5°	2375.3	*1989.9*	1899.5	1411.8	1171.9	1069.7	1024.4	1018.5	1014.6	1018.5
25°	2634.9	*2074.5*	1962.4	1490.5	1278.1	1189.6	1136.5	1124.7	1136.5	1154.2
27.5°	2896.4	*2188.5*	2086.3	1645.8	1449.2	1352.8	1301.7	1345.0	1362.7	1364.6
30°	3128.4	*2347.8*	2253.4	1864.1	1643.8	1547.5	1557.3	1612.4	1634.0	1655.6
32.5°	3340.8	*2560.1*	2487.4	2111.8	1895.5	1838.5	1832.6	1873.9	1897.5	1883.7
35°	3555.1	*2837.4*	2766.6	2381.2	2204.2	2157.0	2107.9	2188.5	2180.6	2159.0
37.5°	3757.6	*3116.6*	3051.7	2670.2	2487.4	2404.8	2396.9	2469.7	2534.6	2530.6
40°	3903.1	*3342.7*	3264.1	2957.3	2784.3	2713.5	2754.8	2880.6	2864.9	2843.3
42.5°	4036.8	*3535.4*	3464.6	3209.0	3028.1	3059.6	3096.9	3181.5	3171.7	3150.0
45°	4099.8	*3700.6*	3639.6	3399.7	3311.3	3411.5	3409.6	3441.0	3387.9	3380.1
47.5°	4188.2	*3818.6*	3755.6	3570.8	3649.5	3690.8	3574.7	3541.3	3492.2	3452.8
50°	4351.4	*4001.4*	3938.5	3830.4	3897.2	3769.4	3627.8	3555.1	3454.8	3386.0
52.5°	4542.2	*4278.7*	4223.6	4180.4	3993.6	3730.1	3549.2	3417.4	3295.5	3236.5
55°	4782.1	*4687.7*	4648.4	4410.4	3907.1	3568.9	3356.5	3110.7	2943.6	2888.5
57.5°	4860.7	*5287.4*	5273.6	4447.8	3665.2	3275.9	2892.4	2560.1	2387.1	2351.7
60°	*4628.7*	*5757.4*	*5708.2*	*4384.9*	*3226.7*	*2658.4*	*2210.1*	*1870.0*	*1588.8*	*1547.5*
62.5°	4331.8	*5397.5*	5379.8	4068.3	2457.9	1905.4	1651.7	1333.2	1213.2	1181.8
65°	3710.4	*4416.3*	4424.2	3264.1	1555.4	1368.6	1356.8	1059.8	912.4	888.8
67.5°	2857.0	*3387.9*	3332.9	2052.8	906.5	1095.2	1083.4	774.7	560.4	544.7
70°	1669.4	*2522.8*	2434.3	1067.7	599.7	914.3	833.7	544.7	381.5	363.8
72.5°	737.4	*1388.2*	1490.5	469.9	422.8	727.5	601.7	334.3	214.3	210.4
75°	409.0	*688.2*	719.7	204.5	296.9	517.1	363.8	186.8	121.9	119.9
77.5°	245.8	*304.8*	296.9	131.7	222.2	330.3	220.2	106.2	76.7	72.8
80°	137.6	*139.6*	118.0	96.3	131.7	184.8	123.9	66.9	35.4	35.4
82.5°	84.6	*76.7*	61.0	29.5	35.4	112.1	45.2	37.4	11.8	11.8
85°	35.4	*23.6*	15.7	5.9	13.8	29.5	15.7	17.7	5.9	5.9
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: SP1-2407-184-2

Test Date: 10/09/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

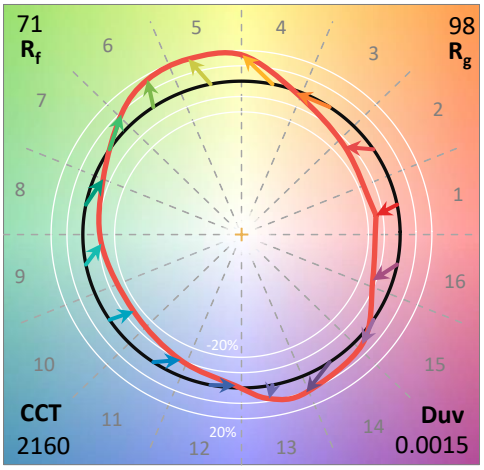
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

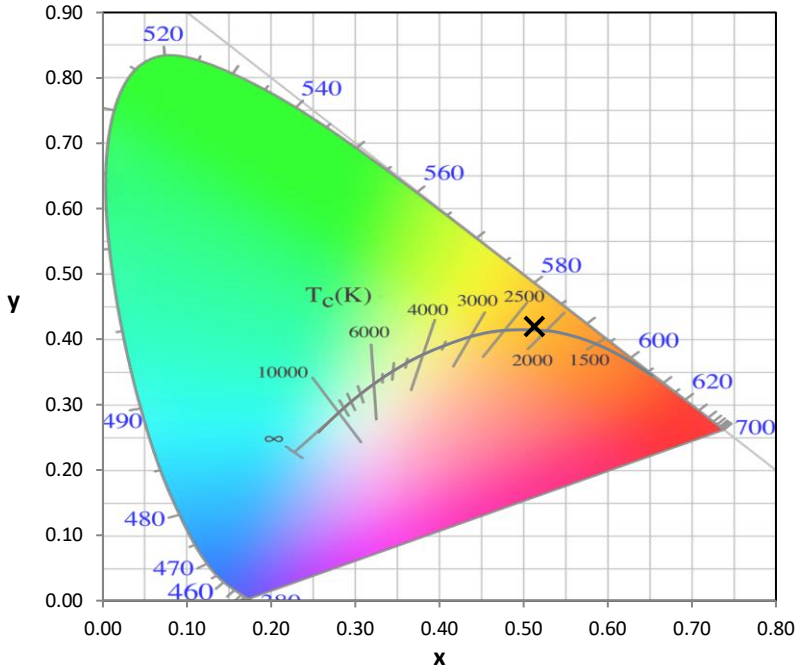
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

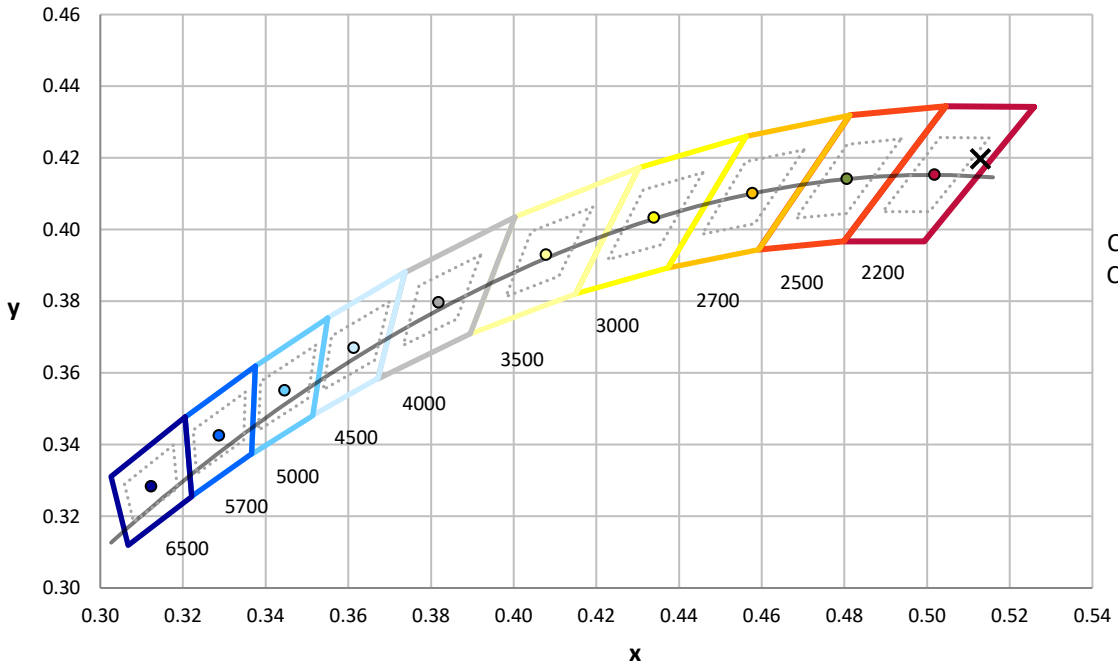
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

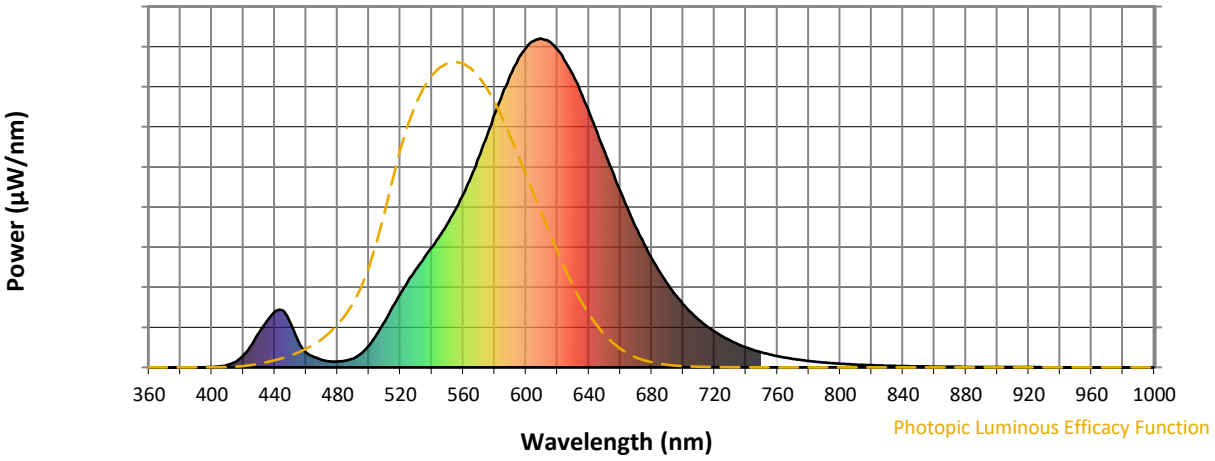


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

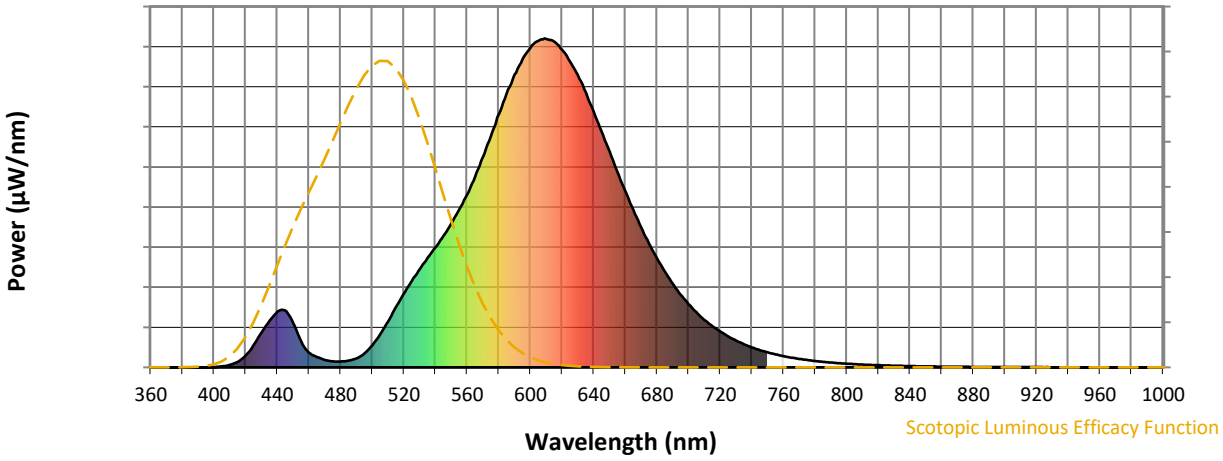


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

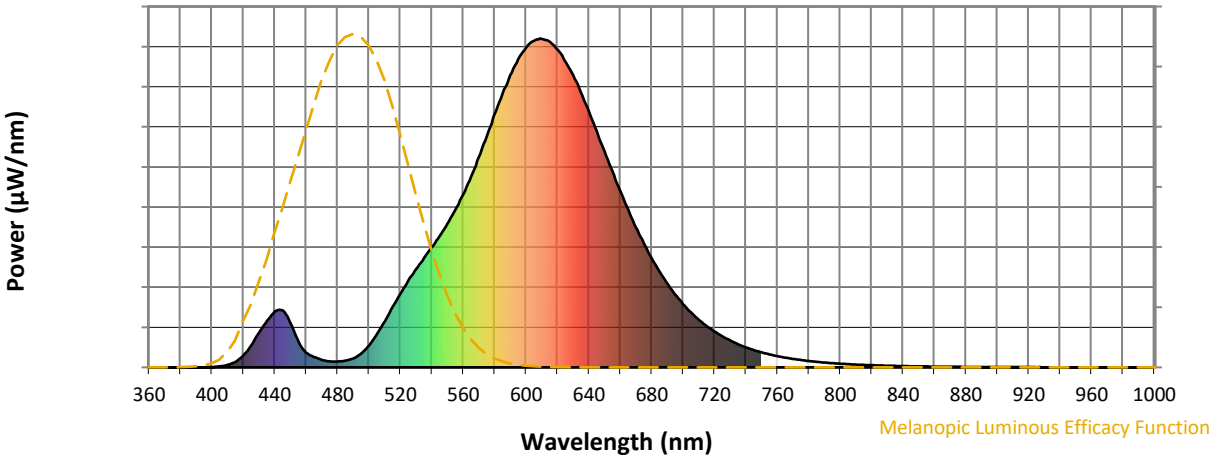


Scotopic Lumens: NR **S/P: 0.8**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

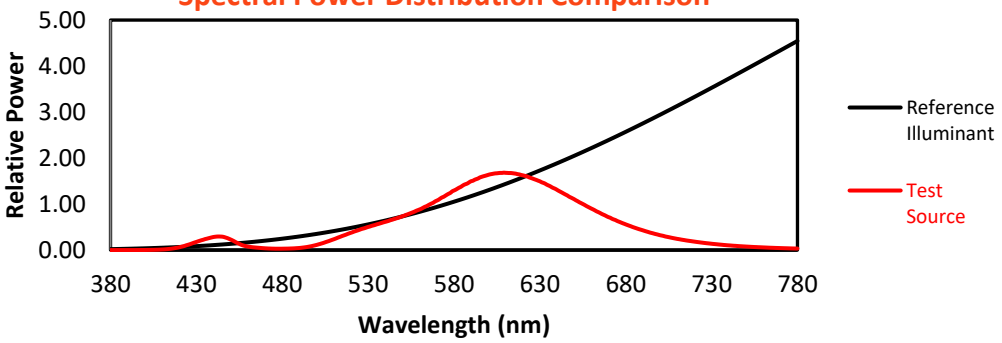
REPORT NUMBER: SP1-2407-184-2

TM-30-18

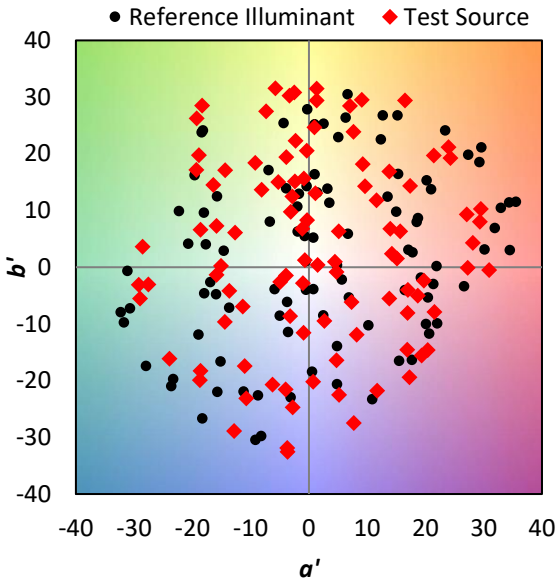
Summary

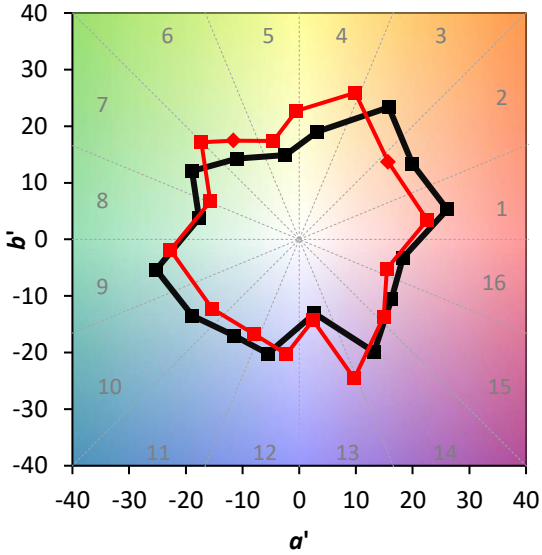
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

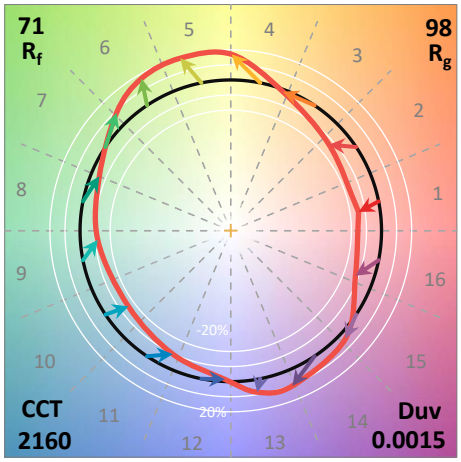
Spectral Power Distribution Comparison

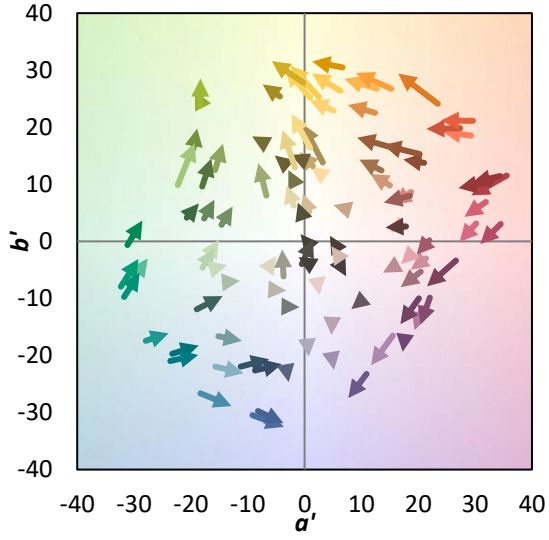


Color Vector Graphics







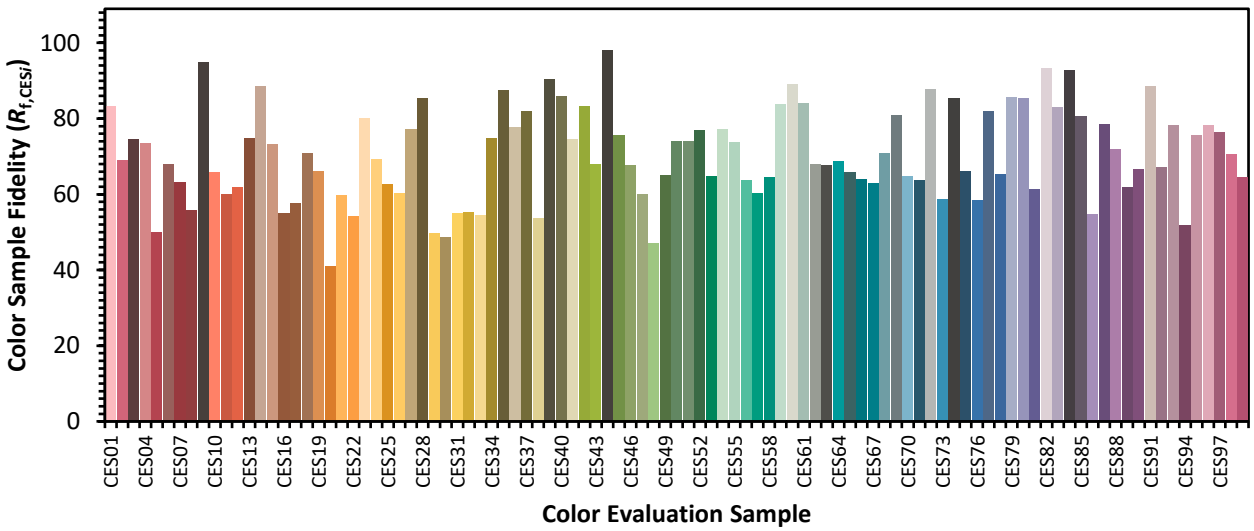


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

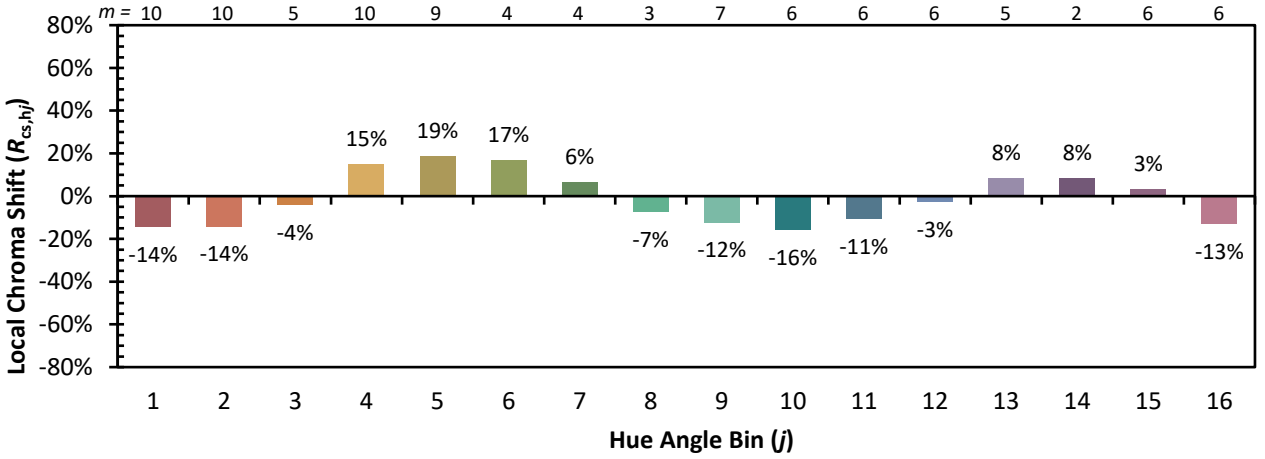
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

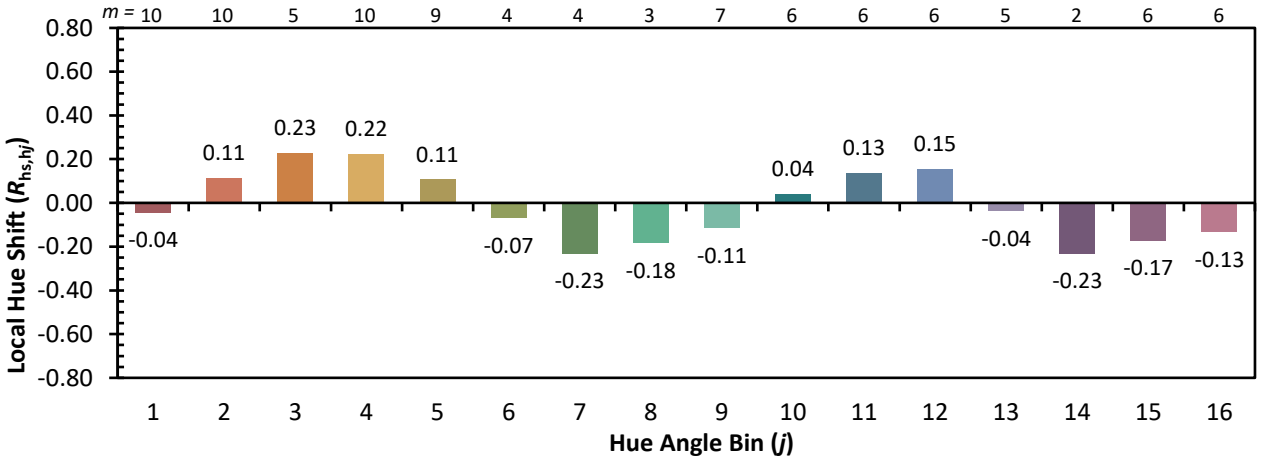


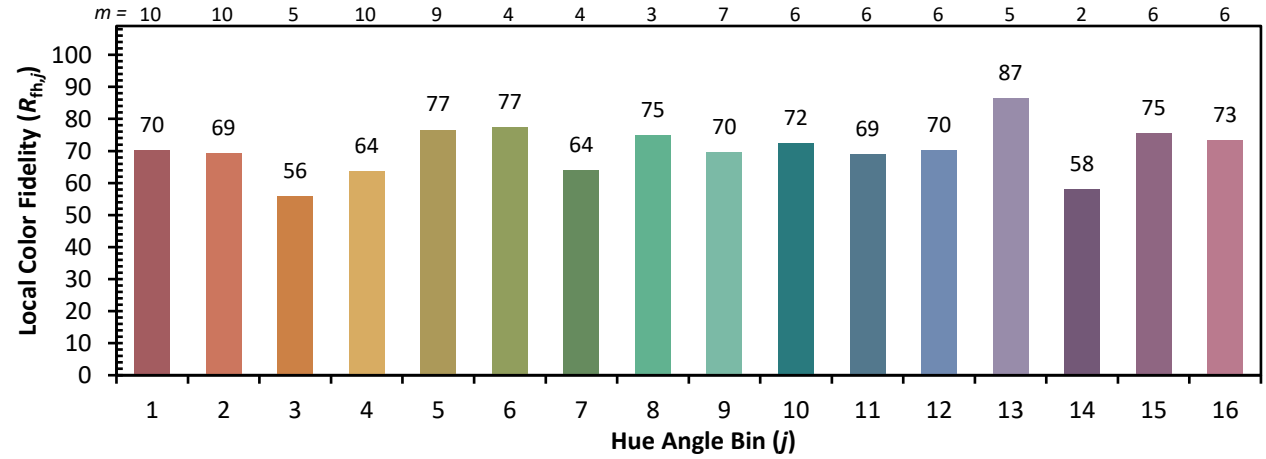
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Color Rendition by Hue-Angle Bin



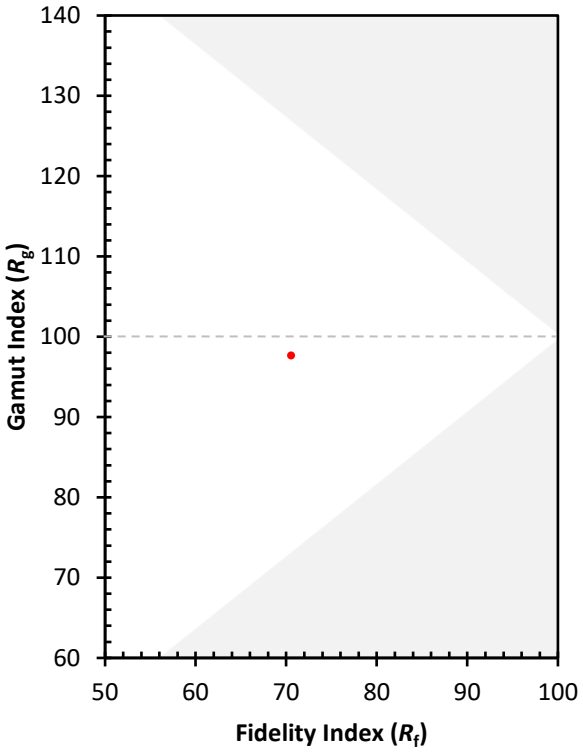


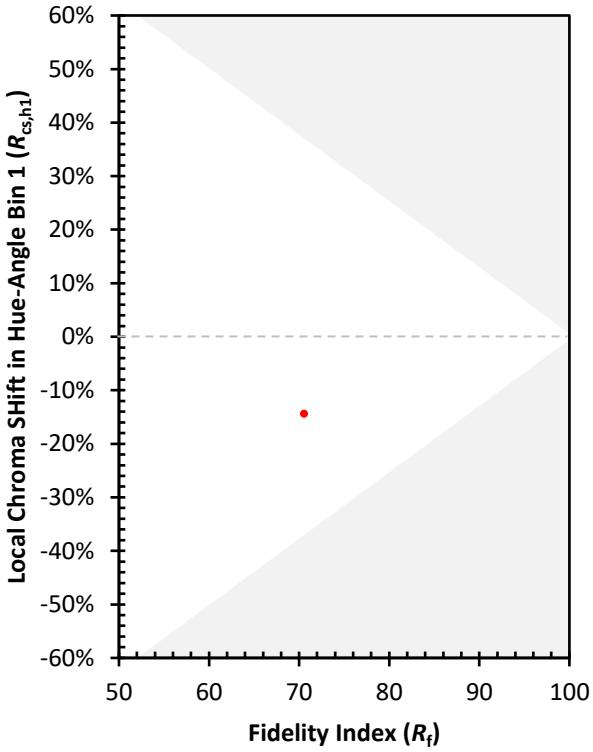


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Measure Comparisons





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