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: P1501327

Luminaire Tested: GSS-SB1C-740-U-T2LG

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:	P1501327
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-740-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7134.4 lumens
Efficiency:	N/A
Efficacy:	137.2 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

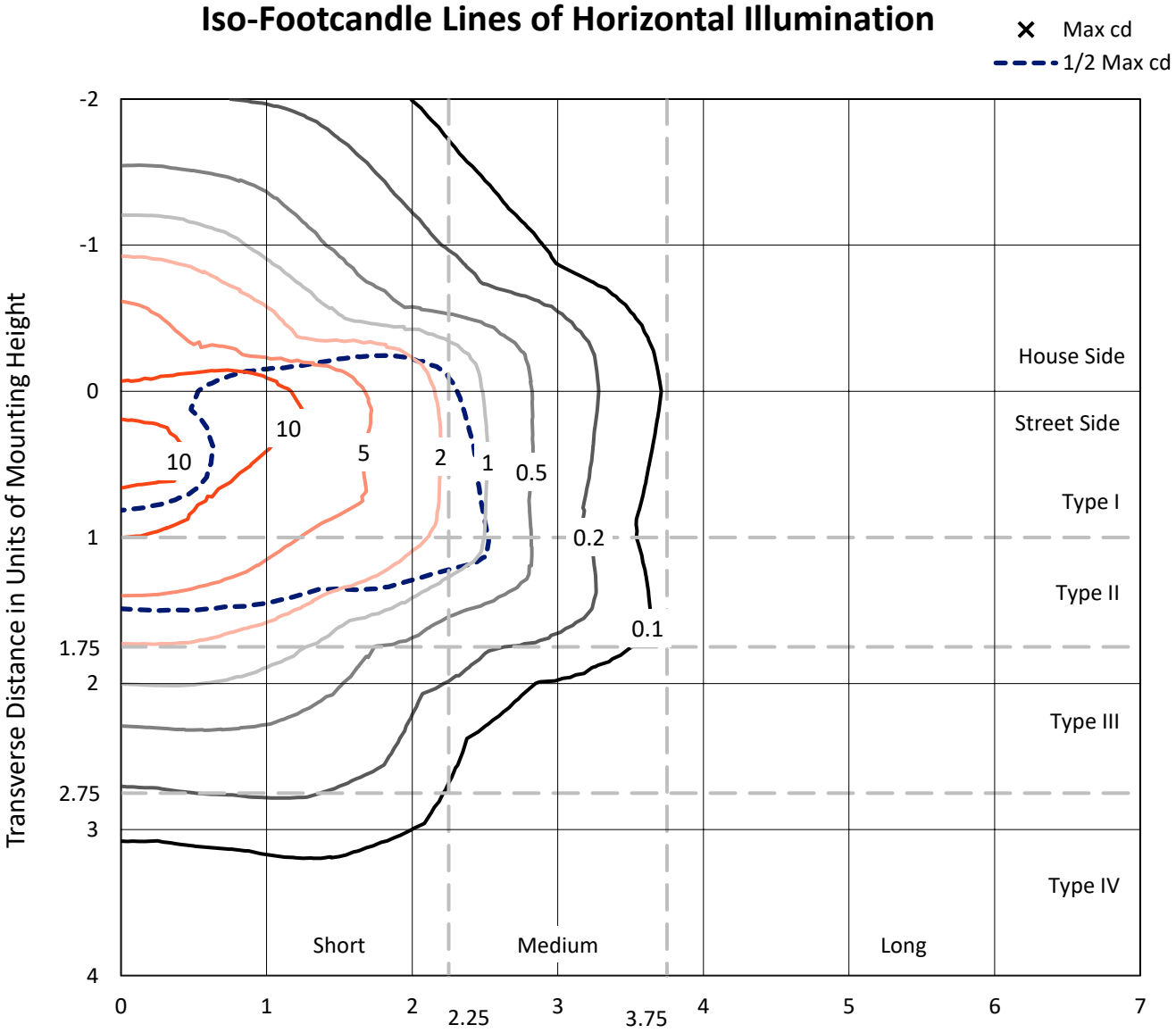
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



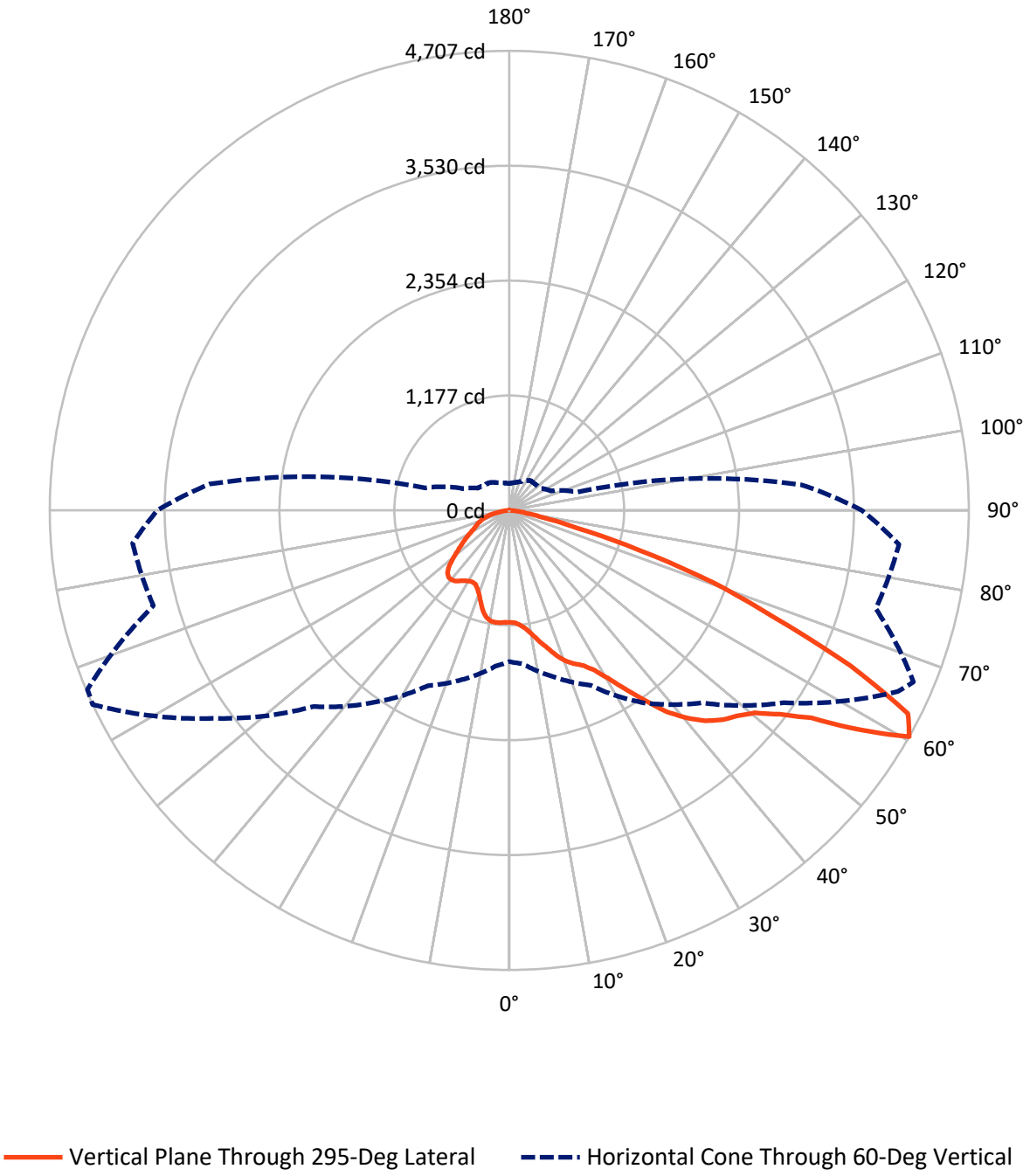
Based on 10 foot mounting height. Maximum calculated value = 17.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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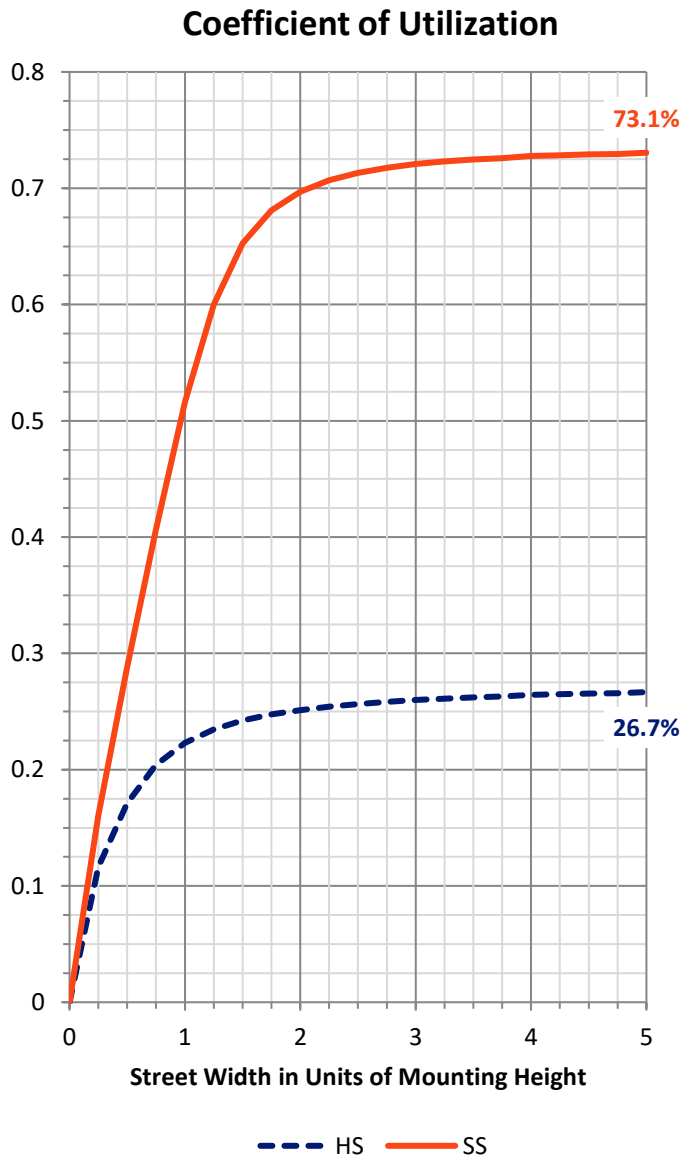
REPORT NUMBER: P1501327
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1918.5	0.0	1918.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	5215.9	0.0	5215.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	7134.4	0.0	7134.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.9	1.5
10°-20°	310.3	4.3
20°-30°	587.7	8.2
30°-40°	1036.1	14.5
40°-50°	1532.2	21.5
50°-60°	1799.2	25.2
60°-70°	1303.6	18.3
70°-80°	402.0	5.6
80°-90°	55.3	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°	7134.4	100.0
0°-180°	7134.4	100.0



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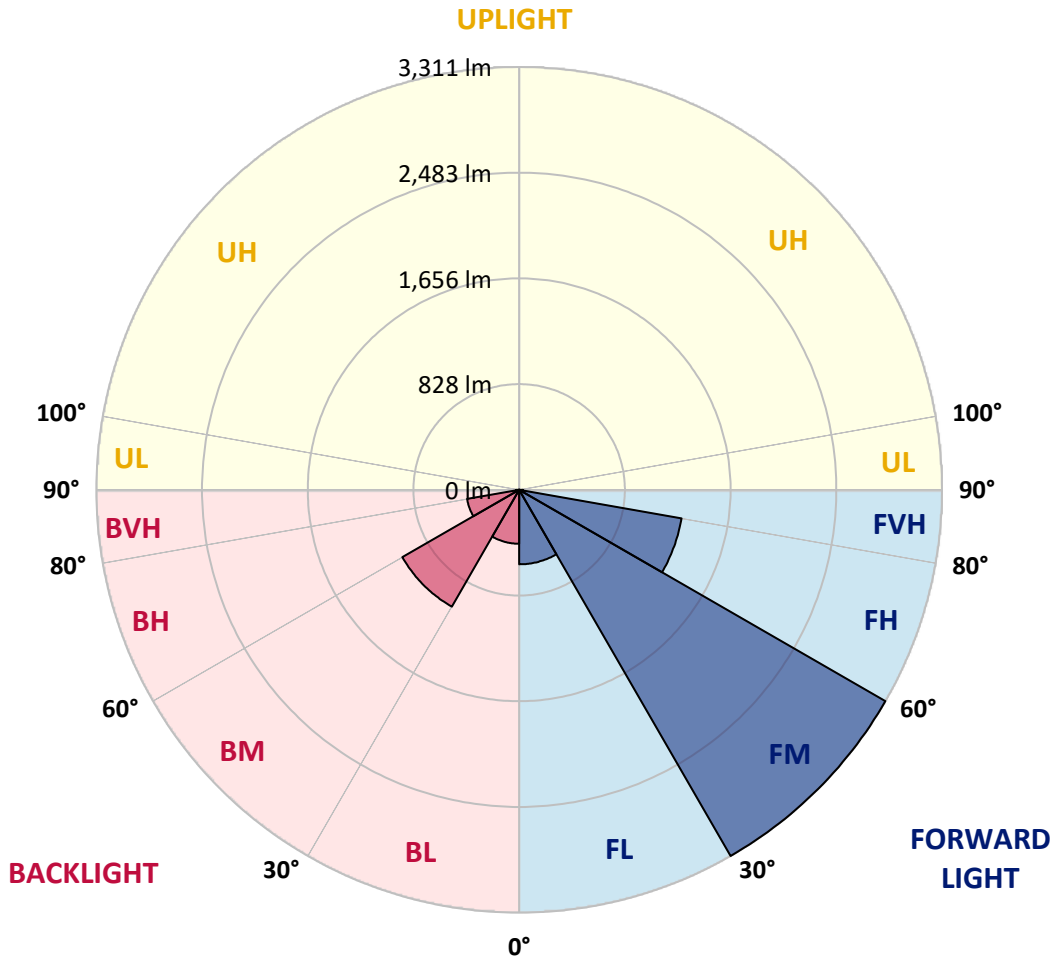
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	583.4	8.2			
FM	(30°-60°)	3311.1	46.4			
FH	(60°-80°)	1291.5	18.1			G1/1800
FVH	(80°-90°)	29.9	0.4			G1/100
BL	(0°-30°)	422.5	5.9	B1/500		
BM	(30°-60°)	1056.4	14.8	B2/2500		
BH	(60°-80°)	414.1	5.8	B1/500		G1/500
BVH	(80°-90°)	25.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9
2.5°	1170.7	1173.9	1169.0	1172.3	1172.3	1167.4	1165.8	1159.3	1162.5	1160.9	1159.3
5°	1198.3	1199.9	1196.7	1201.5	1201.5	1203.2	1201.5	1193.4	1193.4	1193.4	1190.2
7.5°	1190.2	1190.2	1191.8	1208.1	1224.3	1245.4	1245.4	1242.2	1245.4	1243.8	1229.2
10°	1121.9	1128.4	1143.0	1183.7	1222.7	1268.2	1299.1	1308.9	1308.9	1310.5	1286.1
12.5°	999.9	1004.8	1039.0	1100.7	1182.0	1265.0	1339.8	1388.5	1393.4	1401.5	1369.0
15°	891.0	894.3	918.6	982.0	1074.7	1221.1	1362.5	1463.3	1479.6	1513.7	1464.9
17.5°	900.8	899.1	905.6	930.0	996.7	1149.5	1357.6	1551.1	1580.4	1640.5	1598.3
20°	959.3	959.3	964.2	969.0	993.4	1097.5	1321.9	1622.7	1679.6	1796.6	1747.9
22.5°	1052.0	1052.0	1050.3	1058.5	1058.5	1120.3	1323.5	1676.3	1760.9	1970.6	1923.5
25°	1180.4	1173.9	1173.9	1177.2	1162.5	1206.4	1364.1	1731.6	1842.2	2177.1	2136.4
27.5°	1325.1	1330.0	1326.7	1315.4	1295.9	1330.0	1461.7	1817.8	1933.2	2395.0	2378.7
30°	1482.8	1484.5	1487.7	1481.2	1464.9	1489.3	1614.5	1947.8	2053.5	2622.6	2658.4
32.5°	1637.3	1660.1	1651.9	1635.7	1642.2	1686.1	1803.1	2123.4	2232.4	2834.0	2960.8
35°	1834.0	1842.2	1874.7	1814.5	1816.1	1890.9	2043.8	2354.3	2460.0	3053.5	3263.2
37.5°	2120.2	2134.8	2120.2	2025.9	2011.3	2115.3	2277.9	2581.9	2658.4	3219.3	3544.5
40°	2401.5	2419.4	2443.7	2333.2	2240.5	2326.7	2499.0	2755.9	2835.6	3310.4	3731.5
42.5°	2634.0	2663.2	2637.2	2604.7	2520.2	2536.4	2653.5	2890.9	2970.5	3425.8	3920.1
45°	2830.7	2835.6	2847.0	2824.2	2781.9	2767.3	2785.2	3009.6	3097.4	3477.8	4012.7
47.5°	2912.0	2933.1	2942.9	2981.9	3025.8	2996.6	2897.4	3064.8	3144.5	3474.6	4042.0
50°	2868.1	2889.2	2941.3	3033.9	3139.6	3191.7	3029.1	3141.3	3230.7	3533.1	4102.2
52.5°	2752.7	2775.4	2860.0	2965.7	3142.9	3261.6	3214.4	3300.6	3386.8	3637.2	4203.0
55°	2473.0	2507.2	2625.8	2801.4	3045.3	3224.2	3409.5	3534.7	3629.0	3762.4	4307.0
57.5°	2066.5	2102.3	2235.6	2499.0	2864.9	3069.7	3466.4	3973.7	4016.0	3911.9	4316.8
60°	*1547.9*	*1577.1*	*1765.7*	*1977.1*	*2406.3*	*2786.8*	*3433.9*	*4390.0*	*4497.3*	*3885.9*	*4006.2*
62.5°	1225.9	1261.7	1429.2	1526.7	1834.0	2302.3	3320.1	4505.4	4598.1	3671.3	3573.8
65°	957.7	982.0	1138.1	1278.0	1352.8	1572.3	2845.3	3941.2	4024.1	3321.7	2949.4
67.5°	632.5	669.9	855.2	1047.1	1086.1	999.9	1957.6	3032.3	3071.3	2640.5	2217.7
70°	453.6	471.5	609.7	814.6	873.1	669.9	1066.6	2295.8	2307.2	1772.2	1494.2
72.5°	308.9	312.2	414.6	624.3	695.9	486.1	587.0	1512.1	1473.1	874.7	855.2
75°	209.7	213.0	265.0	416.2	492.7	338.2	382.1	824.3	791.8	482.9	518.7
77.5°	141.5	144.7	182.1	279.7	328.4	234.1	279.7	435.7	427.6	320.3	278.0
80°	107.3	112.2	135.0	178.9	229.3	136.6	159.3	206.5	209.7	170.7	141.5
82.5°	60.2	66.7	81.3	91.1	148.0	76.4	76.4	123.6	118.7	105.7	76.4
85°	26.0	27.6	32.5	34.1	60.2	32.5	27.6	53.7	55.3	52.0	24.4
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9
2.5°	1151.1	1160.9	1151.1	1146.3	1146.3	1138.1	1134.9	1134.9	1123.5	1128.4	1125.1
5°	1177.2	1180.4	1169.0	1154.4	1134.9	1118.6	1095.9	1066.6	1048.7	1047.1	1048.7
7.5°	1217.8	1219.4	1188.5	1156.0	1107.2	1048.7	978.8	921.9	871.5	863.4	873.1
10°	1274.7	1271.5	1225.9	1149.5	1047.1	923.5	816.2	764.2	734.9	733.3	731.7
12.5°	1351.1	1330.0	1260.1	1121.9	943.0	799.9	744.7	741.4	749.5	756.0	757.7
15°	1438.9	1411.3	1287.7	1068.2	837.3	754.4	757.7	785.3	795.1	801.6	801.6
17.5°	1547.9	1512.1	1318.6	991.8	783.7	764.2	786.9	813.0	829.2	835.7	834.1
20°	1692.6	1617.8	1343.0	918.6	769.1	780.4	799.9	826.0	842.2	850.4	850.4
22.5°	1837.3	1744.6	1347.9	868.2	769.1	782.1	799.9	826.0	843.8	852.0	850.4
25°	2034.0	1907.2	1349.5	832.5	770.7	773.9	790.2	813.0	839.0	847.1	850.4
27.5°	2243.8	2086.0	1357.6	824.3	764.2	762.6	773.9	795.1	821.1	842.2	843.8
30°	2503.9	2287.7	1360.9	832.5	765.8	744.7	752.8	773.9	801.6	822.7	829.2
32.5°	2759.2	2474.6	1354.4	850.4	769.1	733.3	734.9	747.9	777.2	791.8	803.2
35°	3029.1	2673.0	1343.0	874.7	770.7	728.4	713.8	720.3	739.8	741.4	746.3
37.5°	3240.4	2821.0	1308.9	907.3	773.9	710.5	681.3	676.4	668.2	652.0	655.2
40°	3414.4	2920.1	1252.0	923.5	765.8	689.4	640.6	617.8	587.0	562.6	567.4
42.5°	3539.6	2986.8	1183.7	926.8	752.8	653.6	593.5	554.4	520.3	494.3	495.9
45°	3594.9	2980.3	1110.5	902.4	721.9	609.7	549.6	512.2	474.8	447.1	443.9
47.5°	3596.5	2916.9	1009.7	843.8	669.9	559.3	508.9	468.3	437.4	417.9	416.2
50°	3609.5	2881.1	915.4	759.3	601.6	505.7	473.1	432.5	414.6	387.0	378.8
52.5°	3690.8	2939.6	850.4	666.6	538.2	466.6	442.2	406.5	377.2	359.3	357.7
55°	3822.5	3040.5	814.6	596.7	478.0	429.2	413.0	382.1	356.1	338.2	333.3
57.5°	3838.8	3092.5	772.3	531.7	429.2	400.0	393.5	359.3	321.9	308.9	304.0
60°	*3611.1*	*3004.7*	*720.3*	*471.5*	*393.5*	*377.2*	*374.0*	*328.4*	*297.5*	*281.3*	*274.8*
62.5°	3300.6	2785.2	640.6	416.2	365.8	354.4	341.4	305.7	266.6	248.8	243.9
65°	2697.4	2341.3	544.7	378.8	338.2	325.2	321.9	273.2	247.1	237.4	235.8
67.5°	2043.8	1881.2	479.6	351.2	308.9	304.0	292.7	276.4	265.0	253.6	250.4
70°	1445.4	1357.6	408.1	315.4	279.7	271.5	318.7	300.8	260.1	245.5	243.9
72.5°	876.4	852.0	352.8	282.9	240.6	253.6	294.3	271.5	234.1	216.2	209.7
75°	552.8	505.7	295.9	240.6	191.9	206.5	256.9	242.3	201.6	183.7	178.9
77.5°	300.8	279.7	222.7	196.7	151.2	167.5	224.4	200.0	161.0	175.6	156.1
80°	131.7	146.3	148.0	113.8	100.8	123.6	161.0	156.1	123.6	125.2	104.1
82.5°	63.4	82.9	95.9	78.0	56.9	73.2	107.3	89.4	82.9	78.0	74.8
85°	19.5	30.9	42.3	37.4	26.0	30.9	50.4	48.8	58.5	50.4	47.2
87.5°	6.5	6.5	4.9	4.9	4.9	6.5	8.1	4.9	1.6	1.6	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°	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9
2.5°	1123.5	1125.1	1125.1	1126.8	1126.8	1131.6	1138.1	1144.6	1139.8	1146.3	1147.9
5°	1045.5	1053.6	1060.1	1084.5	1104.0	1120.3	1138.1	1154.4	1159.3	1162.5	1170.7
7.5°	861.7	884.5	926.8	982.0	1043.8	1104.0	1144.6	1186.9	1193.4	1201.5	1212.9
10°	733.3	743.0	772.3	829.2	939.8	1058.5	1157.6	1224.3	1252.0	1268.2	1279.6
12.5°	754.4	747.9	743.0	751.2	822.7	975.5	1149.5	1278.0	1330.0	1347.9	1362.5
15°	804.8	798.3	780.4	757.7	765.8	887.7	1121.9	1328.4	1411.3	1440.6	1471.4
17.5°	834.1	827.6	813.0	788.6	767.4	814.6	1069.8	1373.9	1539.7	1575.5	1619.4
20°	850.4	843.8	829.2	804.8	780.4	786.9	1003.2	1430.8	1686.1	1743.0	1808.0
22.5°	853.6	845.5	829.2	804.8	790.2	785.3	939.8	1464.9	1843.8	1931.6	2006.4
25°	852.0	837.3	816.2	798.3	790.2	788.6	895.9	1484.5	2014.5	2154.3	2238.9
27.5°	840.6	822.7	801.6	788.6	785.3	795.1	876.4	1507.2	2214.5	2393.3	2528.3
30°	827.6	801.6	775.6	770.7	778.8	809.7	892.6	1515.3	2424.2	2653.5	2791.7
32.5°	793.4	773.9	747.9	746.3	765.8	821.1	930.0	1504.0	2609.6	2913.6	3087.6
35°	744.7	733.3	718.7	723.5	754.4	830.8	956.0	1468.2	2778.7	3155.9	3359.1
37.5°	658.5	666.6	674.8	686.1	725.2	829.2	967.4	1411.3	2918.5	3349.4	3609.5
40°	562.6	590.2	616.2	645.5	697.5	816.2	970.7	1341.4	2999.8	3495.7	3832.3
42.5°	502.4	528.4	560.9	603.2	660.1	786.9	967.4	1263.3	3025.8	3596.5	3973.7
45°	447.1	478.0	518.7	562.6	627.6	744.7	938.2	1178.8	3038.8	3643.7	4033.9
47.5°	417.9	435.7	473.1	517.0	585.3	692.6	881.2	1117.0	3019.3	3653.4	4107.0
50°	383.7	408.1	432.5	474.8	541.4	627.6	813.0	1081.2	3051.8	3749.3	4222.5
52.5°	357.7	370.7	396.7	435.7	484.5	567.4	747.9	1052.0	3141.3	3846.9	4342.8
55°	338.2	352.8	369.1	401.6	439.0	507.3	681.3	1008.1	3245.3	3951.0	4463.1
57.5°	307.3	317.1	339.8	374.0	398.3	448.8	603.2	956.0	3237.2	3869.7	4255.0
60°	*279.7*	*289.4*	*313.8*	*347.9*	*362.6*	*396.7*	*526.8*	*889.4*	*3081.1*	*3604.6*	*3871.3*
62.5°	248.8	260.1	289.4	313.8	326.8	352.8	447.1	767.4	2755.9	3206.3	3422.5
65°	235.8	242.3	261.8	291.0	289.4	313.8	377.2	603.2	2217.7	2450.2	2647.0
67.5°	250.4	260.1	256.9	265.0	260.1	273.2	338.2	484.5	1743.0	1845.4	1959.2
70°	247.1	269.9	281.3	265.0	227.6	242.3	292.7	387.0	1247.1	1237.3	1232.4
72.5°	216.2	239.0	271.5	287.8	222.7	201.6	253.6	334.9	799.9	796.7	720.3
75°	183.7	200.0	239.0	260.1	191.9	162.6	217.9	284.5	478.0	484.5	432.5
77.5°	169.1	161.0	200.0	229.3	156.1	125.2	175.6	214.6	263.4	266.6	247.1
80°	121.9	117.1	149.6	167.5	118.7	89.4	99.2	133.3	141.5	126.8	131.7
82.5°	78.0	79.7	89.4	107.3	73.2	48.8	68.3	89.4	76.4	61.8	73.2
85°	50.4	56.9	47.2	55.3	22.8	22.8	29.3	39.0	26.0	17.9	19.5
87.5°	0.0	0.0	3.3	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501327
CATALOG NUMBER: GSS-SB1C-740-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1147.9	1147.9	*1147.9*	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9	1147.9
2.5°	1152.8	1151.1	*1151.1*	1154.4	1162.5	1165.8	1170.7	1169.0	1173.9	1170.7
5°	1175.5	1177.2	*1182.0*	1183.7	1188.5	1195.0	1196.7	1195.0	1198.3	1198.3
7.5°	1221.1	1227.6	*1224.3*	1232.4	1225.9	1217.8	1204.8	1195.0	1186.9	1190.2
10°	1297.5	1294.2	*1292.6*	1278.0	1248.7	1206.4	1172.3	1134.9	1128.4	1121.9
12.5°	1382.0	1378.8	*1378.8*	1328.4	1245.4	1157.6	1079.6	1021.1	1001.6	999.9
15°	1500.7	1479.6	*1460.1*	1354.4	1188.5	1039.0	947.9	902.4	891.0	891.0
17.5°	1648.7	1593.4	*1560.9*	1334.9	1095.9	960.9	907.3	895.9	892.6	900.8
20°	1832.4	1692.6	*1645.4*	1291.0	1061.7	970.7	944.7	946.3	947.9	959.3
22.5°	2034.0	1783.6	*1705.6*	1291.0	1095.9	1032.5	1019.4	1037.3	1042.2	1052.0
25°	2258.4	1864.9	*1759.2*	1359.3	1196.7	1149.5	1133.3	1151.1	1164.2	1180.4
27.5°	2510.4	1949.5	*1851.9*	1482.8	1326.7	1297.5	1279.6	1287.7	1305.6	1325.1
30°	2736.4	2090.9	*1993.4*	1671.4	1504.0	1468.2	1437.3	1450.3	1469.8	1482.8
32.5°	2936.4	2263.3	*2180.3*	1869.8	1707.2	1645.4	1611.3	1608.0	1647.0	1637.3
35°	3120.1	2466.5	*2386.8*	2095.8	1913.7	1837.3	1791.8	1850.3	1824.3	1834.0
37.5°	3264.8	2677.9	*2614.5*	2312.0	2128.3	2024.3	1996.6	2068.2	2108.8	2120.2
40°	3383.5	2861.6	*2794.9*	2526.7	2325.1	2248.6	2292.5	2411.2	2406.3	2401.5
42.5°	3474.6	3019.3	*2946.1*	2689.3	2513.7	2528.3	2562.4	2642.1	2661.6	2634.0
45°	3515.2	3118.5	*3060.0*	2817.7	2728.3	2812.8	2827.5	2861.6	2848.6	2830.7
47.5°	3562.4	3206.3	*3144.5*	2934.8	2960.8	3043.7	3014.4	2986.8	2939.6	2912.0
50°	3642.0	3310.4	*3258.3*	3105.5	3199.8	3172.2	3058.3	2996.6	2900.6	2868.1
52.5°	3793.2	3507.1	*3468.1*	3375.4	3312.0	3152.6	3014.4	2903.9	2796.6	2752.7
55°	3928.2	3773.7	*3751.0*	3627.4	3277.8	3050.2	2864.9	2694.1	2510.4	2473.0
57.5°	4006.2	4216.0	*4242.0*	3734.7	3121.7	2817.7	2544.5	2271.4	2097.4	2066.5
60°	*3773.7*	*4694.0*	*4707.0*	*3713.6*	*2840.5*	*2398.2*	*1982.0*	*1788.5*	*1601.5*	*1547.9*
62.5°	3453.4	4594.8	*4583.4*	3586.8	2261.6	1749.5	1505.6	1414.5	1269.8	1225.9
65°	2968.9	3827.4	*3840.4*	3099.0	1504.0	1265.0	1265.0	1149.5	988.6	957.7
67.5°	2419.4	2951.0	*2921.8*	2009.6	923.5	1012.9	1061.7	895.9	669.9	632.5
70°	1572.3	2253.5	*2212.9*	1159.3	580.5	843.8	835.7	673.1	479.6	453.6
72.5°	676.4	1302.4	*1385.3*	591.8	437.4	679.6	666.6	471.5	320.3	308.9
75°	408.1	655.2	*713.8*	377.2	318.7	512.2	461.8	299.2	217.9	209.7
77.5°	258.5	359.3	*356.1*	282.9	239.0	346.3	310.5	206.5	148.0	141.5
80°	149.6	177.2	*183.7*	177.2	161.0	247.1	198.4	149.6	115.4	107.3
82.5°	95.9	110.6	*112.2*	86.2	89.4	159.3	107.3	87.8	66.7	60.2
85°	42.3	47.2	*45.5*	29.3	29.3	65.0	37.4	35.8	26.0	26.0
87.5°	1.6	3.3	*1.6*	1.6	1.6	6.5	3.3	4.9	4.9	4.9
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

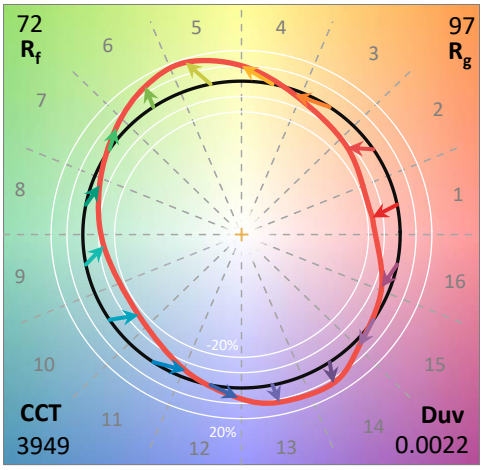
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

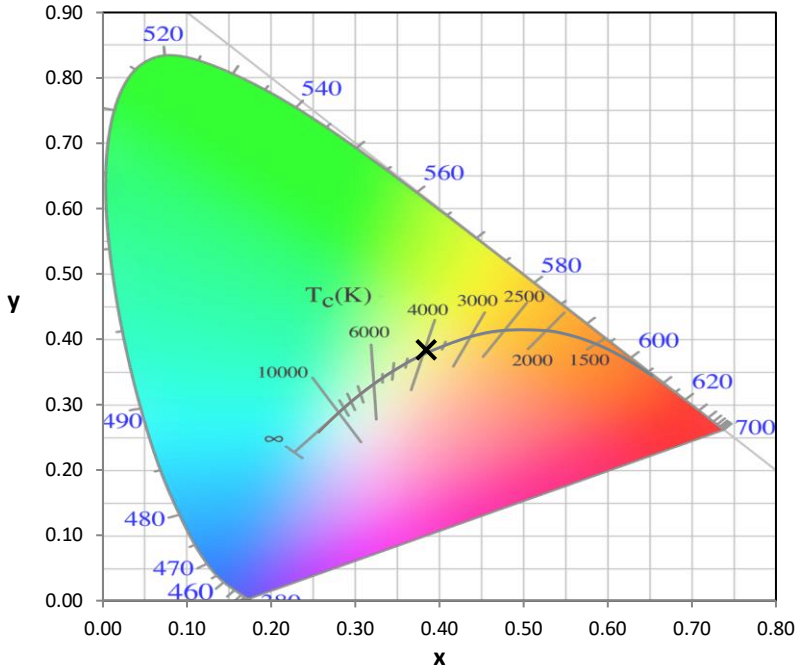
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

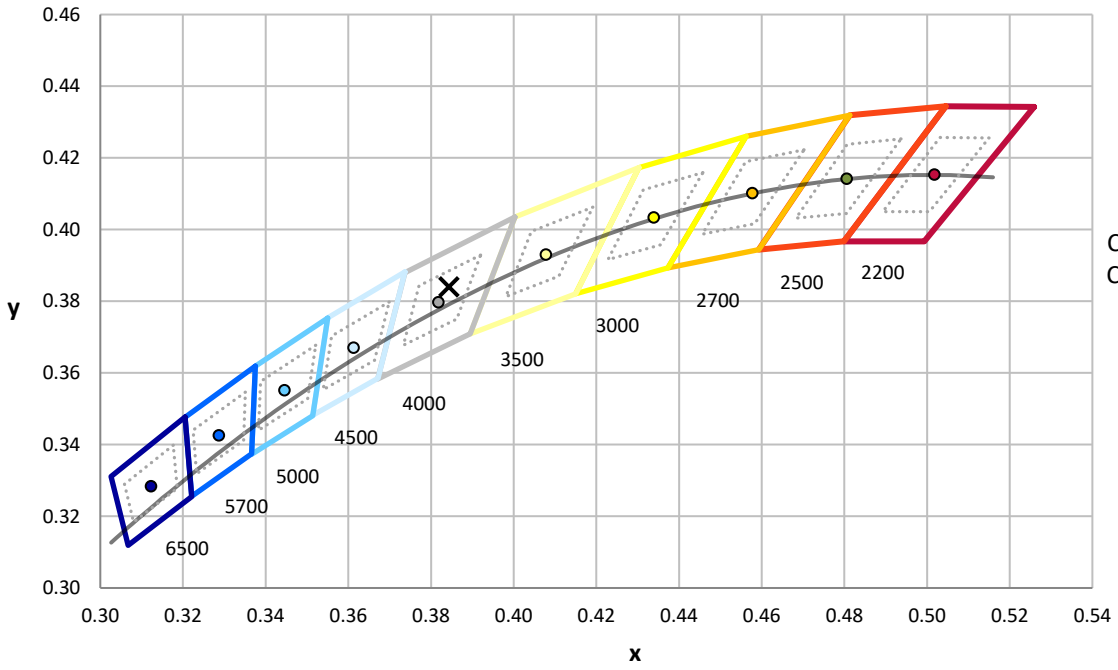
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

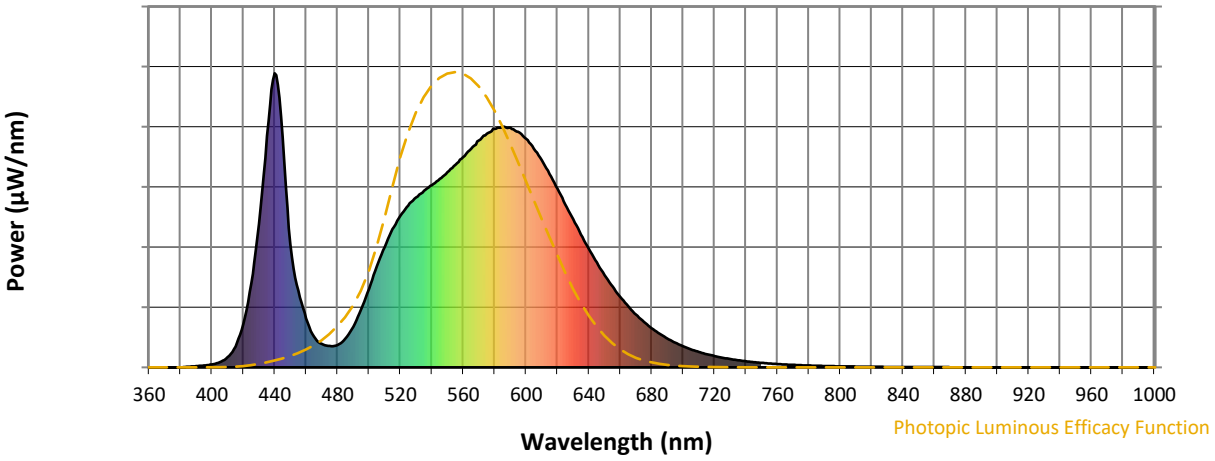


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

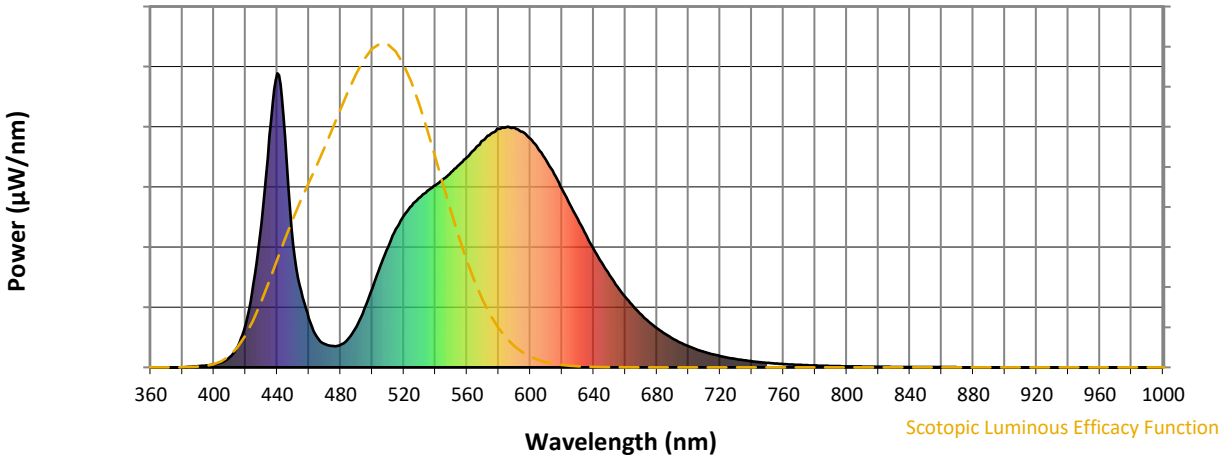


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

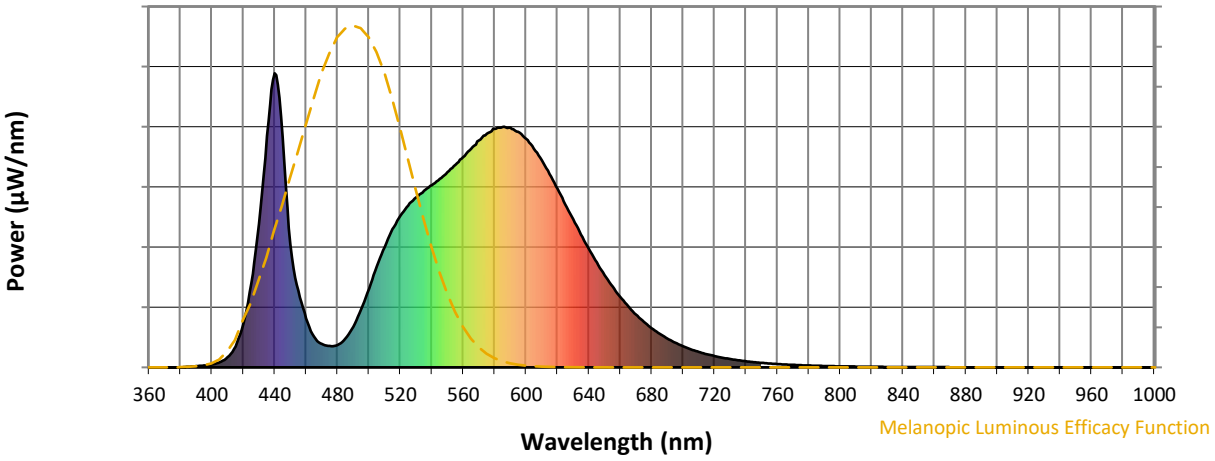


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

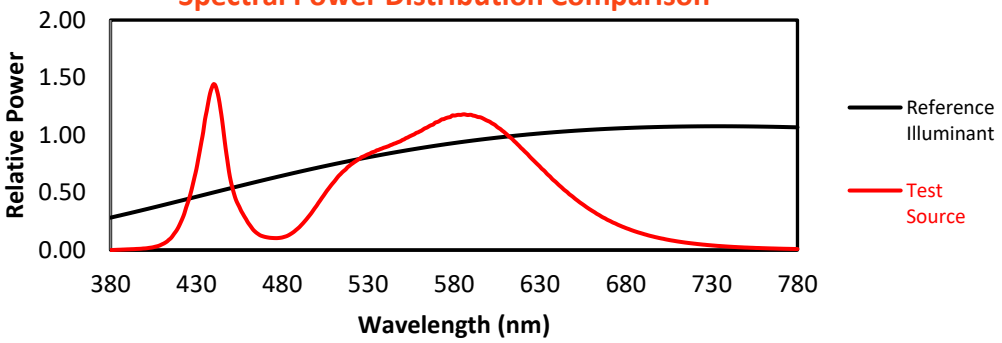
REPORT NUMBER: SP1-2407-184-1

TM-30-18

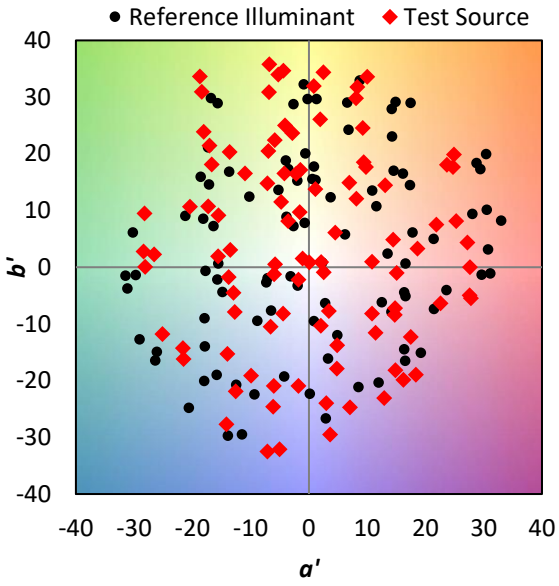
Summary

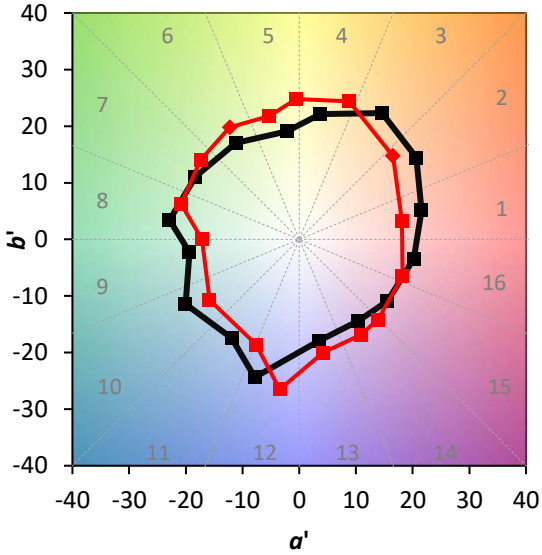
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

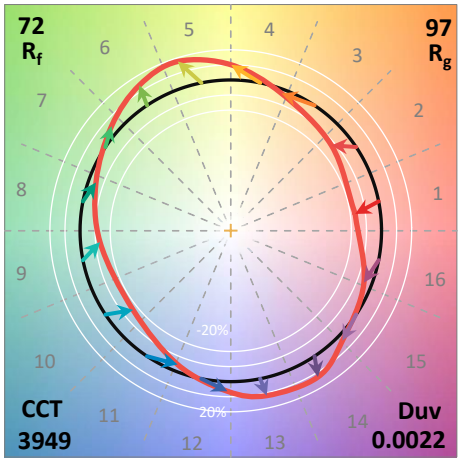
Spectral Power Distribution Comparison

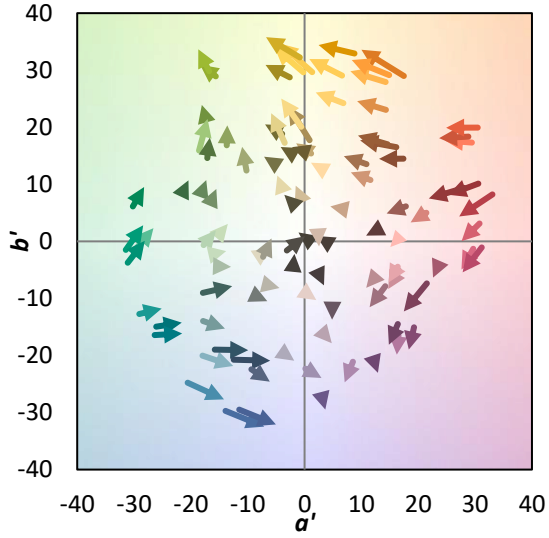


Color Vector Graphics







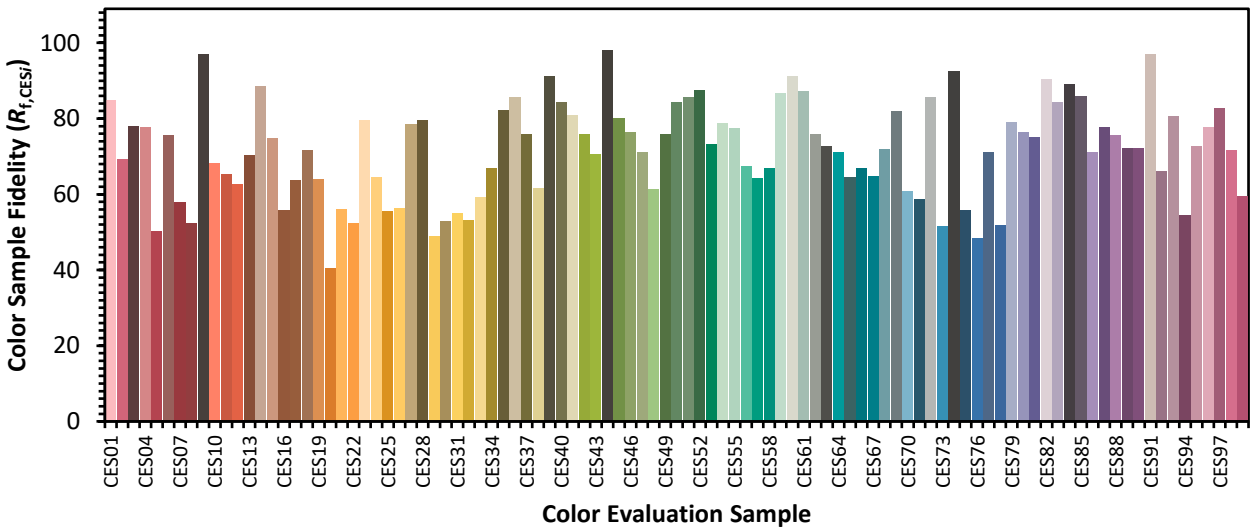


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TM-30-18

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

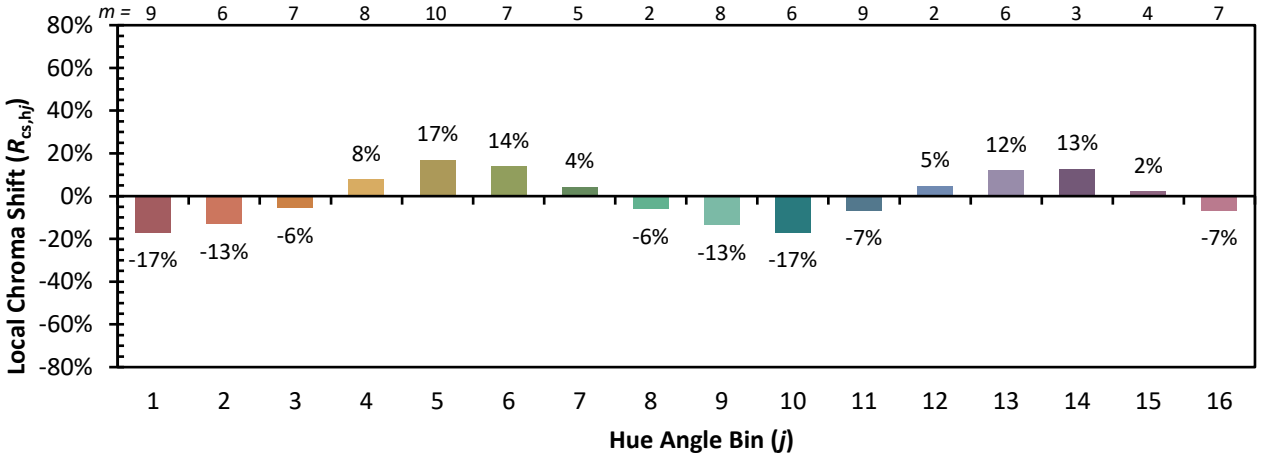
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

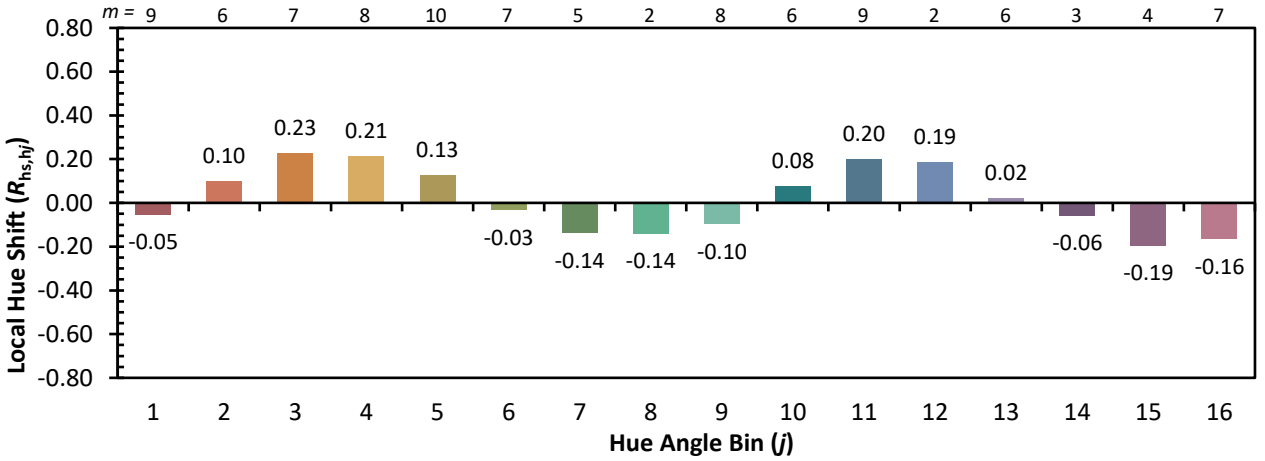


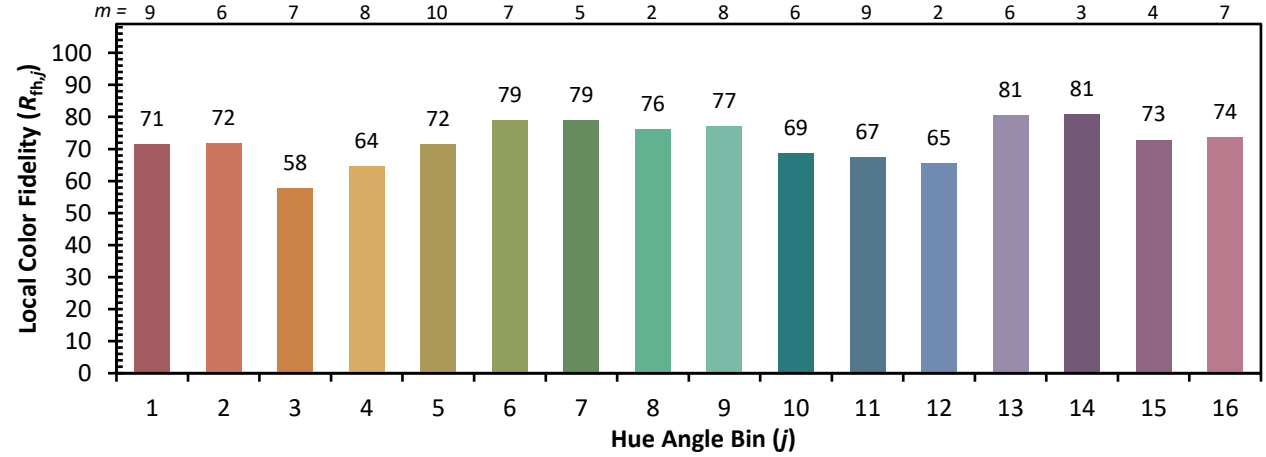
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Color Rendition by Hue-Angle Bin



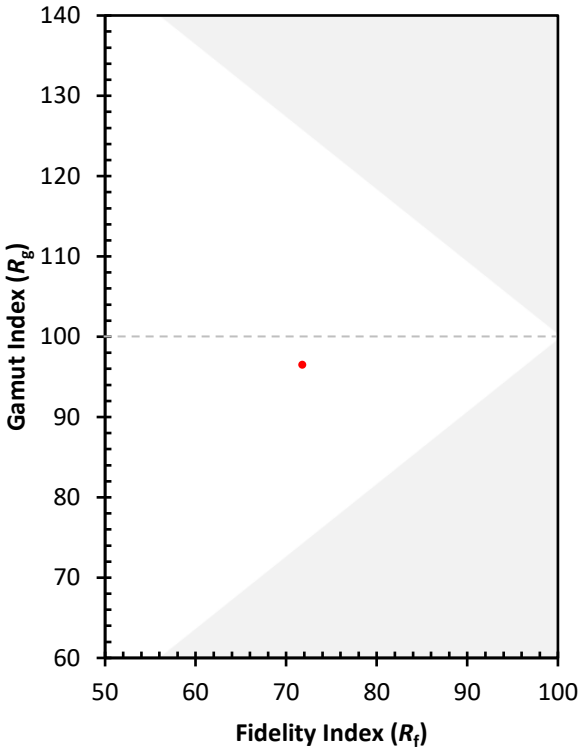


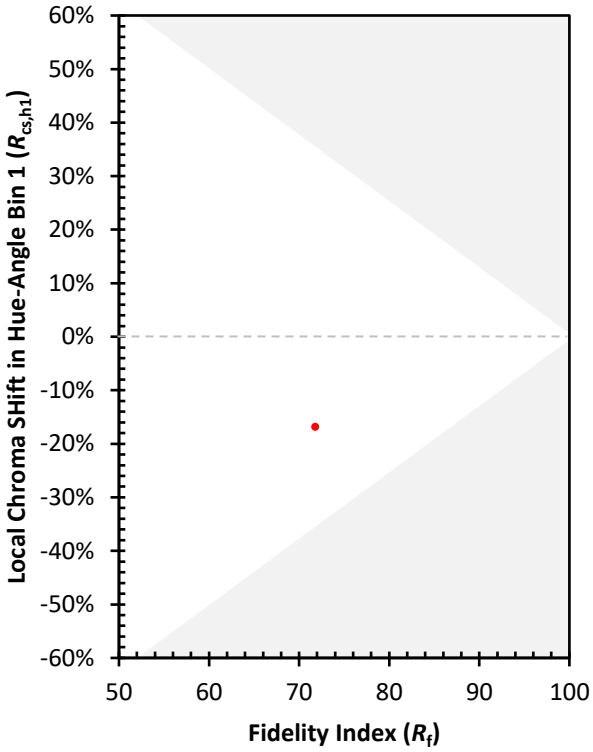


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Measure Comparisons





(END OF REPORT)