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: P1501567

Luminaire Tested: GSS-SB1C-840-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:	P1501567
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-840-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6449.5 lumens
Efficiency:	N/A
Efficacy:	124.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

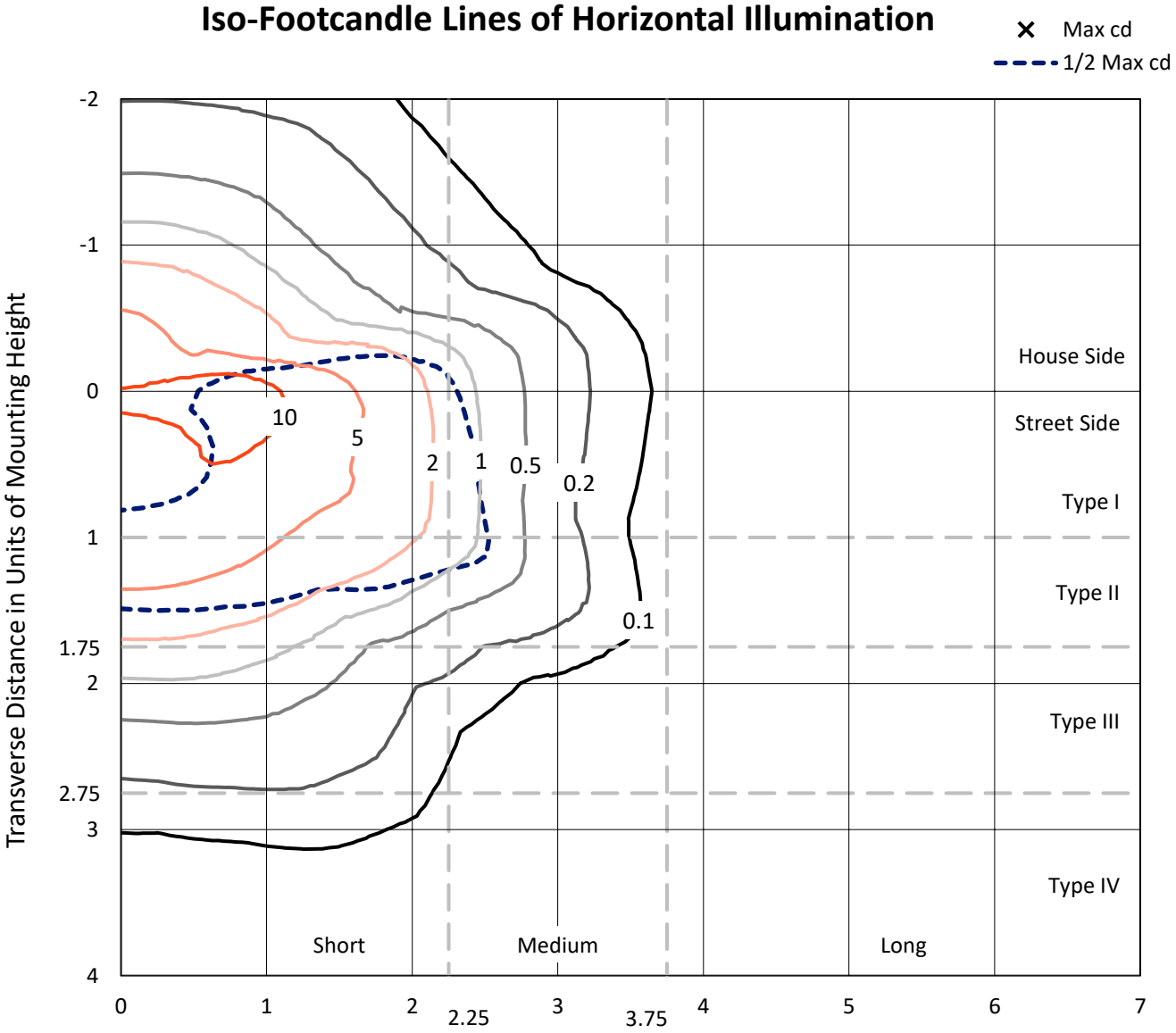
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1501567
CATALOG NUMBER: GSS-SB1C-840-U-T2LG

Iso-Footcandle Lines of Horizontal Illumination



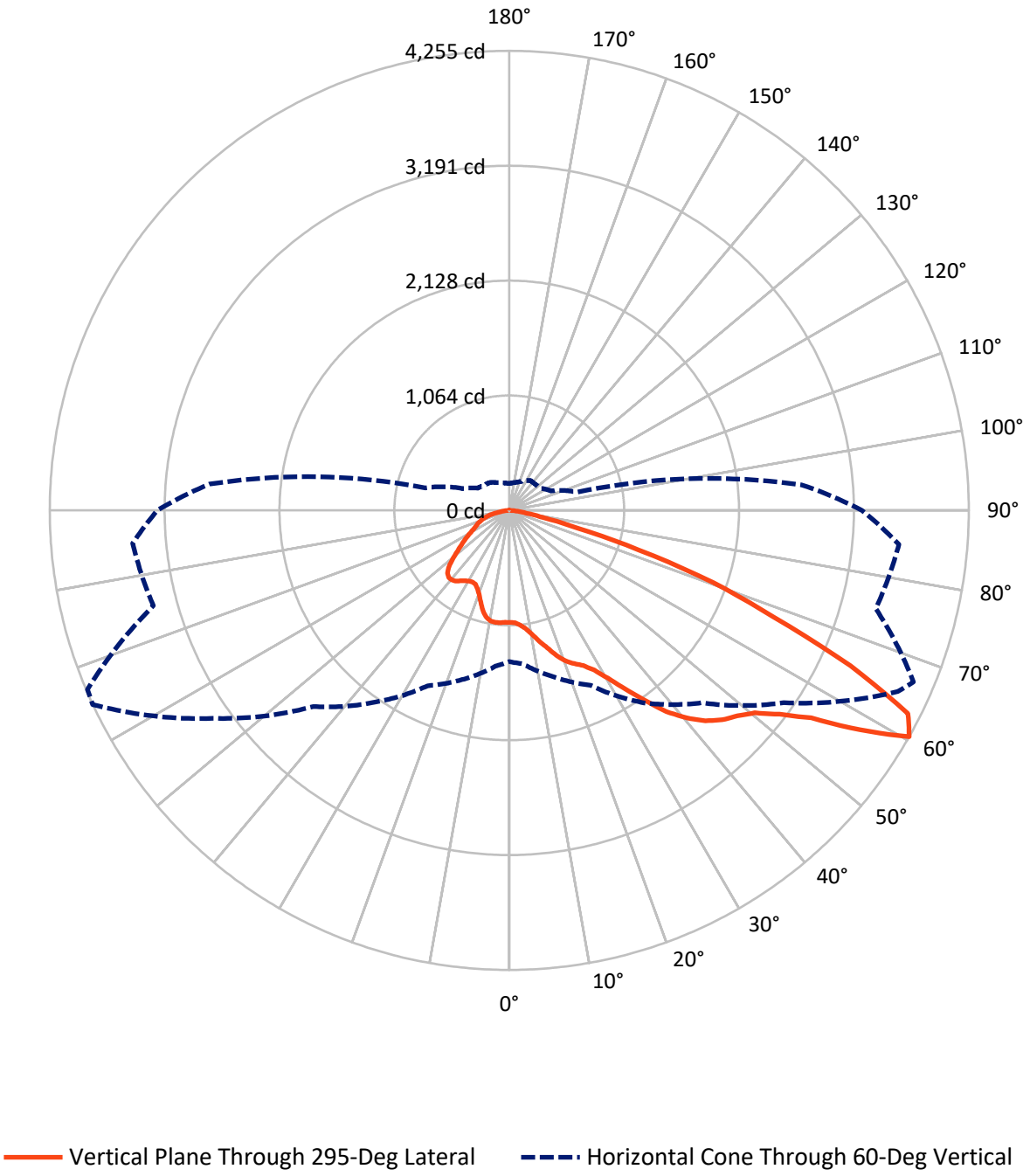
Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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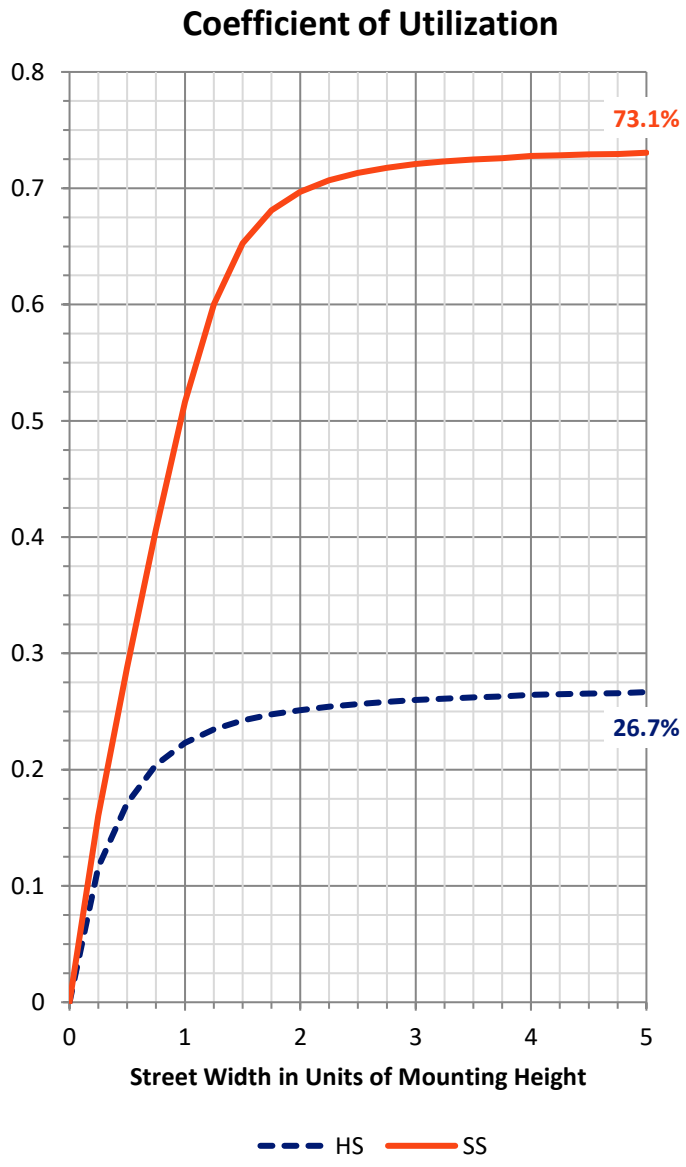
REPORT NUMBER: P1501567
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1734.4	0.0	1734.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4715.2	0.0	4715.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	6449.5	0.0	6449.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	1.5
10°-20°	280.5	4.3
20°-30°	531.3	8.2
30°-40°	936.6	14.5
40°-50°	1385.1	21.5
50°-60°	1626.5	25.2
60°-70°	1178.5	18.3
70°-80°	363.4	5.6
80°-90°	50.0	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°	6449.5	100.0
0°-180°	6449.5	100.0



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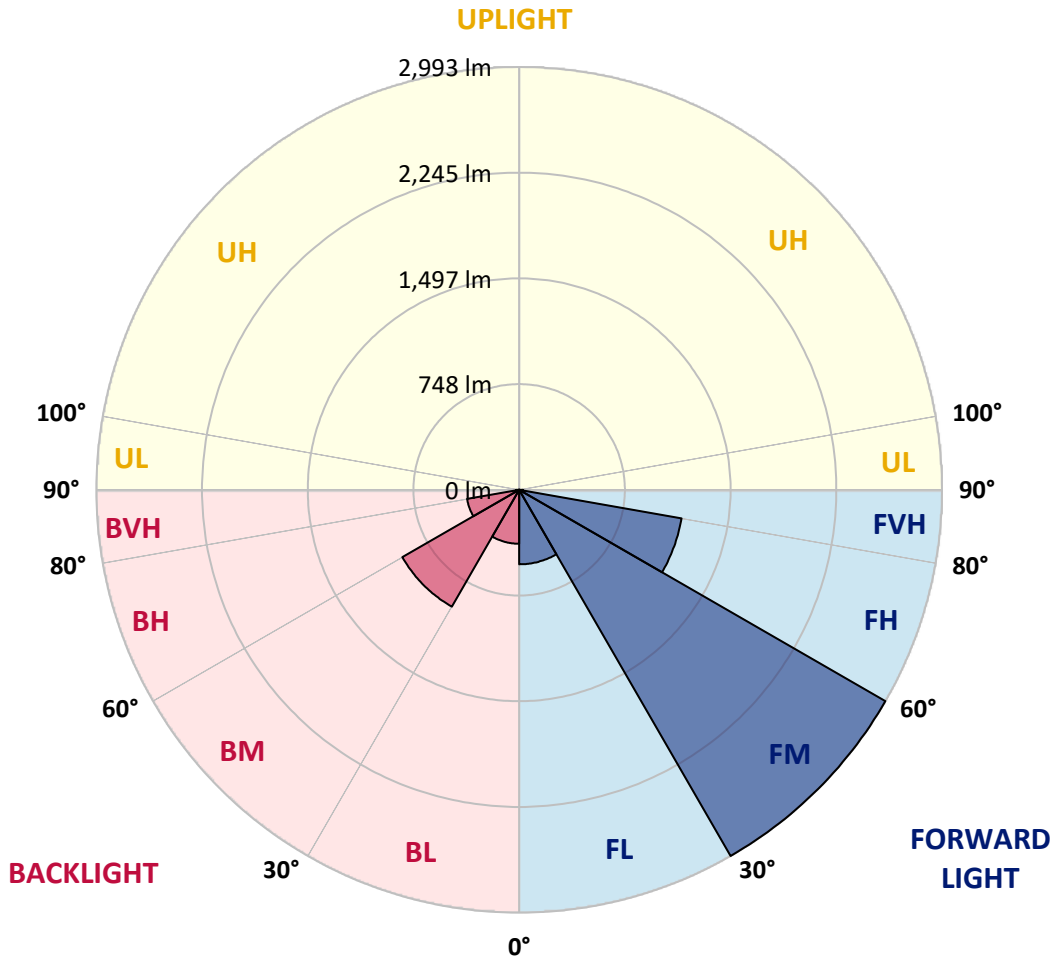
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	527.4	8.2			
FM	(30°-60°)	2993.3	46.4			
FH	(60°-80°)	1167.6	18.1			G1/1800
FVH	(80°-90°)	27.0	0.4			G1/100
BL	(0°-30°)	382.0	5.9	B1/500		
BM	(30°-60°)	955.0	14.8	B1/1000		
BH	(60°-80°)	374.4	5.8	B1/500		G1/500
BVH	(80°-90°)	23.0	0.4			G1/100
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°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7
2.5°	1058.3	1061.2	1056.8	1059.7	1059.7	1055.3	1053.9	1048.0	1050.9	1049.5	1048.0
5°	1083.3	1084.7	1081.8	1086.2	1086.2	1087.7	1086.2	1078.9	1078.9	1078.9	1075.9
7.5°	1075.9	1075.9	1077.4	1092.1	1106.8	1125.9	1125.9	1122.9	1125.9	1124.4	1111.2
10°	1014.2	1020.1	1033.3	1070.0	1105.3	1146.5	1174.4	1183.2	1183.2	1184.7	1162.6
12.5°	903.9	908.4	939.2	995.1	1068.6	1143.5	1211.1	1255.2	1259.6	1267.0	1237.6
15°	805.5	808.4	830.5	887.8	971.6	1103.8	1231.7	1322.8	1337.5	1368.4	1324.3
17.5°	814.3	812.8	818.7	840.7	901.0	1039.2	1227.3	1402.2	1428.7	1483.1	1444.8
20°	867.2	867.2	871.6	876.0	898.1	992.1	1195.0	1466.9	1518.3	1624.2	1580.1
22.5°	951.0	951.0	949.5	956.9	956.9	1012.7	1196.4	1515.4	1591.8	1781.4	1738.8
25°	1067.1	1061.2	1061.2	1064.2	1050.9	1090.6	1233.2	1565.4	1665.3	1968.1	1931.3
27.5°	1197.9	1202.3	1199.4	1189.1	1171.4	1202.3	1321.4	1643.3	1747.6	2165.0	2150.4
30°	1340.5	1341.9	1344.9	1339.0	1324.3	1346.4	1459.5	1760.8	1856.4	2370.8	2403.2
32.5°	1480.1	1500.7	1493.3	1478.6	1484.5	1524.2	1630.0	1919.6	2018.1	2561.9	2676.5
35°	1658.0	1665.3	1694.7	1640.3	1641.8	1709.4	1847.6	2128.3	2223.8	2760.3	2949.9
37.5°	1916.6	1929.9	1916.6	1831.4	1818.2	1912.2	2059.2	2334.1	2403.2	2910.2	3204.2
40°	2170.9	2187.1	2209.1	2109.2	2025.4	2103.3	2259.1	2491.4	2563.4	2992.6	3373.2
42.5°	2381.1	2407.6	2384.1	2354.7	2278.2	2292.9	2398.8	2613.3	2685.4	3096.9	3543.7
45°	2559.0	2563.4	2573.7	2553.1	2514.9	2501.6	2517.8	2720.6	2800.0	3144.0	3627.5
47.5°	2632.5	2651.6	2660.4	2695.7	2735.3	2708.9	2619.2	2770.6	2842.6	3141.0	3654.0
50°	2592.8	2611.9	2658.9	2742.7	2838.2	2885.3	2738.3	2839.7	2920.5	3193.9	3708.4
52.5°	2488.4	2509.0	2585.4	2681.0	2841.2	2948.5	2905.8	2983.7	3061.6	3288.0	3799.5
55°	2235.6	2266.5	2373.8	2532.5	2753.0	2914.7	3082.2	3195.4	3280.6	3401.2	3893.6
57.5°	1868.1	1900.5	2021.0	2259.1	2589.8	2775.0	3133.7	3592.2	3630.5	3536.4	3902.4
60°	*1399.3*	*1425.7*	*1596.2*	*1787.3*	*2175.3*	*2519.3*	*3104.3*	*3968.5*	*4065.5*	*3512.9*	*3621.6*
62.5°	1108.2	1140.6	1292.0	1380.2	1658.0	2081.3	3001.4	4072.9	4156.7	3318.9	3230.7
65°	865.7	887.8	1028.9	1155.3	1222.9	1421.3	2572.2	3562.9	3637.8	3002.8	2666.3
67.5°	571.8	605.6	773.1	946.6	981.8	903.9	1769.7	2741.2	2776.5	2387.0	2004.8
70°	410.1	426.2	551.2	736.4	789.3	605.6	964.2	2075.4	2085.7	1602.1	1350.8
72.5°	279.3	282.2	374.8	564.4	629.1	439.5	530.6	1366.9	1331.7	790.8	773.1
75°	189.6	192.5	239.6	376.3	445.4	305.7	345.4	745.2	715.8	436.5	468.9
77.5°	127.9	130.8	164.6	252.8	296.9	211.7	252.8	393.9	386.6	289.6	251.3
80°	97.0	101.4	122.0	161.7	207.2	123.5	144.0	186.7	189.6	154.3	127.9
82.5°	54.4	60.3	73.5	82.3	133.8	69.1	69.1	111.7	107.3	95.5	69.1
85°	23.5	25.0	29.4	30.9	54.4	29.4	25.0	48.5	50.0	47.0	22.0
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9	5.9	5.9	5.9
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°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7
2.5°	1040.6	1049.5	1040.6	1036.2	1036.2	1028.9	1025.9	1025.9	1015.6	1020.1	1017.1
5°	1064.2	1067.1	1056.8	1043.6	1025.9	1011.2	990.7	964.2	948.0	946.6	948.0
7.5°	1100.9	1102.4	1074.4	1045.0	1000.9	948.0	884.8	833.4	787.8	780.5	789.3
10°	1152.3	1149.4	1108.2	1039.2	946.6	834.9	737.9	690.8	664.4	662.9	661.4
12.5°	1221.4	1202.3	1139.1	1014.2	852.5	723.2	673.2	670.2	677.6	683.5	684.9
15°	1300.8	1275.8	1164.1	965.7	757.0	682.0	684.9	709.9	718.7	724.6	724.6
17.5°	1399.3	1366.9	1192.0	896.6	708.5	690.8	711.4	734.9	749.6	755.5	754.0
20°	1530.1	1462.5	1214.1	830.5	695.2	705.5	723.2	746.7	761.4	768.7	768.7
22.5°	1660.9	1577.1	1218.5	784.9	695.2	707.0	723.2	746.7	762.8	770.2	768.7
25°	1838.7	1724.1	1220.0	752.5	696.7	699.6	714.3	734.9	758.4	765.8	768.7
27.5°	2028.4	1885.8	1227.3	745.2	690.8	689.3	699.6	718.7	742.3	761.4	762.8
30°	2263.5	2068.0	1230.2	752.5	692.3	673.2	680.5	699.6	724.6	743.7	749.6
32.5°	2494.3	2237.1	1224.4	768.7	695.2	662.9	664.4	676.1	702.6	715.8	726.1
35°	2738.3	2416.4	1214.1	790.8	696.7	658.5	645.3	651.1	668.8	670.2	674.6
37.5°	2929.4	2550.1	1183.2	820.2	699.6	642.3	615.9	611.4	604.1	589.4	592.3
40°	3086.6	2639.8	1131.8	834.9	692.3	623.2	579.1	558.5	530.6	508.6	513.0
42.5°	3199.8	2700.1	1070.0	837.8	680.5	590.9	536.5	501.2	470.3	446.8	448.3
45°	3249.8	2694.2	1003.9	815.8	652.6	551.2	496.8	463.0	429.2	404.2	401.3
47.5°	3251.2	2636.9	912.8	762.8	605.6	505.6	460.1	423.3	395.4	377.7	376.3
50°	3263.0	2604.5	827.5	686.4	543.8	457.1	427.7	391.0	374.8	349.8	342.5
52.5°	3336.5	2657.4	768.7	602.6	486.5	421.8	399.8	367.5	341.0	324.8	323.4
55°	3455.6	2748.6	736.4	539.4	432.1	388.0	373.3	345.4	321.9	305.7	301.3
57.5°	3470.3	2795.6	698.2	480.6	388.0	361.6	355.7	324.8	291.0	279.3	274.9
60°	*3264.5*	*2716.2*	*651.1*	*426.2*	*355.7*	*341.0*	*338.1*	*296.9*	*269.0*	*254.3*	*248.4*
62.5°	2983.7	2517.8	579.1	376.3	330.7	320.4	308.7	276.3	241.1	224.9	220.5
65°	2438.4	2116.5	492.4	342.5	305.7	294.0	291.0	246.9	223.4	214.6	213.1
67.5°	1847.6	1700.6	433.6	317.5	279.3	274.9	264.6	249.9	239.6	229.3	226.4
70°	1306.7	1227.3	368.9	285.1	252.8	245.5	288.1	271.9	235.2	221.9	220.5
72.5°	792.2	770.2	319.0	255.7	217.5	229.3	266.0	245.5	211.7	195.5	189.6
75°	499.7	457.1	267.5	217.5	173.4	186.7	232.2	219.0	182.3	166.1	161.7
77.5°	271.9	252.8	201.4	177.8	136.7	151.4	202.8	180.8	145.5	158.7	141.1
80°	119.1	132.3	133.8	102.9	91.1	111.7	145.5	141.1	111.7	113.2	94.1
82.5°	57.3	75.0	86.7	70.6	51.4	66.1	97.0	80.8	75.0	70.6	67.6
85°	17.6	27.9	38.2	33.8	23.5	27.9	45.6	44.1	52.9	45.6	42.6
87.5°	5.9	5.9	4.4	4.4	4.4	5.9	7.3	4.4	1.5	1.5	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°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7
2.5°	1015.6	1017.1	1017.1	1018.6	1018.6	1023.0	1028.9	1034.8	1030.3	1036.2	1037.7
5°	945.1	952.4	958.3	980.4	998.0	1012.7	1028.9	1043.6	1048.0	1050.9	1058.3
7.5°	779.0	799.6	837.8	887.8	943.6	998.0	1034.8	1073.0	1078.9	1086.2	1096.5
10°	662.9	671.7	698.2	749.6	849.6	956.9	1046.5	1106.8	1131.8	1146.5	1156.8
12.5°	682.0	676.1	671.7	679.1	743.7	881.9	1039.2	1155.3	1202.3	1218.5	1231.7
15°	727.6	721.7	705.5	684.9	692.3	802.5	1014.2	1200.8	1275.8	1302.3	1330.2
17.5°	754.0	748.1	734.9	712.9	693.8	736.4	967.1	1242.0	1391.9	1424.3	1463.9
20°	768.7	762.8	749.6	727.6	705.5	711.4	906.9	1293.4	1524.2	1575.7	1634.4
22.5°	771.7	764.3	749.6	727.6	714.3	709.9	849.6	1324.3	1666.8	1746.1	1813.8
25°	770.2	757.0	737.9	721.7	714.3	712.9	809.9	1341.9	1821.1	1947.5	2023.9
27.5°	759.9	743.7	724.6	712.9	709.9	718.7	792.2	1362.5	2001.9	2163.6	2285.6
30°	748.1	724.6	701.1	696.7	704.0	732.0	806.9	1369.9	2191.5	2398.8	2523.7
32.5°	717.3	699.6	676.1	674.6	692.3	742.3	840.7	1359.6	2359.1	2633.9	2791.2
35°	673.2	662.9	649.7	654.1	682.0	751.1	864.3	1327.3	2511.9	2852.9	3036.7
37.5°	595.3	602.6	610.0	620.3	655.5	749.6	874.5	1275.8	2638.3	3027.8	3263.0
40°	508.6	533.5	557.1	583.5	630.6	737.9	877.5	1212.6	2711.8	3160.1	3464.4
42.5°	454.2	477.7	507.1	545.3	596.7	711.4	874.5	1142.1	2735.3	3251.2	3592.2
45°	404.2	432.1	468.9	508.6	567.4	673.2	848.1	1065.6	2747.1	3293.9	3646.6
47.5°	377.7	393.9	427.7	467.4	529.1	626.1	796.6	1009.8	2729.5	3302.7	3712.8
50°	346.9	368.9	391.0	429.2	489.5	567.4	734.9	977.4	2758.9	3389.4	3817.1
52.5°	323.4	335.1	358.6	393.9	438.0	513.0	676.1	951.0	2839.7	3477.6	3925.9
55°	305.7	319.0	333.6	363.0	396.9	458.6	615.9	911.3	2933.8	3571.7	4034.7
57.5°	277.8	286.6	307.2	338.1	360.1	405.7	545.3	864.3	2926.4	3498.2	3846.5
60°	*252.8*	*261.6*	*283.7*	*314.5*	*327.8*	*358.6*	*476.2*	*804.0*	*2785.3*	*3258.6*	*3499.6*
62.5°	224.9	235.2	261.6	283.7	295.4	319.0	404.2	693.8	2491.4	2898.5	3094.0
65°	213.1	219.0	236.6	263.1	261.6	283.7	341.0	545.3	2004.8	2215.0	2392.9
67.5°	226.4	235.2	232.2	239.6	235.2	246.9	305.7	438.0	1575.7	1668.2	1771.1
70°	223.4	244.0	254.3	239.6	205.8	219.0	264.6	349.8	1127.4	1118.5	1114.1
72.5°	195.5	216.1	245.5	260.2	201.4	182.3	229.3	302.8	723.2	720.2	651.1
75°	166.1	180.8	216.1	235.2	173.4	147.0	197.0	257.2	432.1	438.0	391.0
77.5°	152.9	145.5	180.8	207.2	141.1	113.2	158.7	194.0	238.1	241.1	223.4
80°	110.2	105.8	135.2	151.4	107.3	80.8	89.7	120.5	127.9	114.6	119.1
82.5°	70.6	72.0	80.8	97.0	66.1	44.1	61.7	80.8	69.1	55.9	66.1
85°	45.6	51.4	42.6	50.0	20.6	20.6	26.5	35.3	23.5	16.2	17.6
87.5°	0.0	0.0	2.9	5.9	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

REPORT NUMBER: P1501567
CATALOG NUMBER: GSS-SB1C-840-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1037.7	1037.7	*1037.7*	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7
2.5°	1042.1	1040.6	*1040.6*	1043.6	1050.9	1053.9	1058.3	1056.8	1061.2	1058.3
5°	1062.7	1064.2	*1068.6*	1070.0	1074.4	1080.3	1081.8	1080.3	1083.3	1083.3
7.5°	1103.8	1109.7	*1106.8*	1114.1	1108.2	1100.9	1089.1	1080.3	1073.0	1075.9
10°	1172.9	1170.0	*1168.5*	1155.3	1128.8	1090.6	1059.7	1025.9	1020.1	1014.2
12.5°	1249.3	1246.4	*1246.4*	1200.8	1125.9	1046.5	976.0	923.0	905.4	903.9
15°	1356.6	1337.5	*1319.9*	1224.4	1074.4	939.2	856.9	815.8	805.5	805.5
17.5°	1490.4	1440.4	*1411.0*	1206.7	990.7	868.7	820.2	809.9	806.9	814.3
20°	1656.5	1530.1	*1487.5*	1167.0	959.8	877.5	854.0	855.4	856.9	867.2
22.5°	1838.7	1612.4	*1541.8*	1167.0	990.7	933.3	921.6	937.7	942.2	951.0
25°	2041.6	1685.9	*1590.3*	1228.8	1081.8	1039.2	1024.5	1040.6	1052.4	1067.1
27.5°	2269.4	1762.3	*1674.1*	1340.5	1199.4	1172.9	1156.8	1164.1	1180.3	1197.9
30°	2473.7	1890.2	*1802.0*	1511.0	1359.6	1327.3	1299.3	1311.1	1328.7	1340.5
32.5°	2654.5	2046.0	*1971.0*	1690.3	1543.3	1487.5	1456.6	1453.7	1488.9	1480.1
35°	2820.6	2229.7	*2157.7*	1894.6	1730.0	1660.9	1619.7	1672.7	1649.1	1658.0
37.5°	2951.4	2420.8	*2363.5*	2090.1	1924.0	1829.9	1804.9	1869.6	1906.4	1916.6
40°	3058.7	2586.9	*2526.6*	2284.1	2101.8	2032.8	2072.5	2179.7	2175.3	2170.9
42.5°	3141.0	2729.5	*2663.3*	2431.1	2272.3	2285.6	2316.4	2388.5	2406.1	2381.1
45°	3177.8	2819.1	*2766.2*	2547.2	2466.4	2542.8	2556.0	2586.9	2575.1	2559.0
47.5°	3220.4	2898.5	*2842.6*	2653.0	2676.5	2751.5	2725.1	2700.1	2657.4	2632.5
50°	3292.4	2992.6	*2945.5*	2807.4	2892.6	2867.6	2764.7	2708.9	2622.2	2592.8
52.5°	3429.1	3170.4	*3135.1*	3051.4	2994.0	2850.0	2725.1	2625.1	2528.1	2488.4
55°	3551.1	3411.5	*3390.9*	3279.2	2963.2	2757.4	2589.8	2435.5	2269.4	2235.6
57.5°	3621.6	3811.3	*3834.8*	3376.2	2822.1	2547.2	2300.3	2053.3	1896.1	1868.1
60°	*3411.5*	*4243.4*	*4255.1*	*3357.1*	*2567.8*	*2168.0*	*1791.7*	*1616.8*	*1447.8*	*1399.3*
62.5°	3121.9	4153.7	*4143.4*	3242.4	2044.5	1581.5	1361.1	1278.7	1147.9	1108.2
65°	2683.9	3460.0	*3471.7*	2801.5	1359.6	1143.5	1143.5	1039.2	893.7	865.7
67.5°	2187.1	2667.7	*2641.3*	1816.7	834.9	915.7	959.8	809.9	605.6	571.8
70°	1421.3	2037.2	*2000.4*	1048.0	524.7	762.8	755.5	608.5	433.6	410.1
72.5°	611.4	1177.3	*1252.3*	535.0	395.4	614.4	602.6	426.2	289.6	279.3
75°	368.9	592.3	*645.3*	341.0	288.1	463.0	417.4	270.4	197.0	189.6
77.5°	233.7	324.8	*321.9*	255.7	216.1	313.1	280.7	186.7	133.8	127.9
80°	135.2	160.2	*166.1*	160.2	145.5	223.4	179.3	135.2	104.4	97.0
82.5°	86.7	99.9	*101.4*	77.9	80.8	144.0	97.0	79.4	60.3	54.4
85°	38.2	42.6	*41.2*	26.5	26.5	58.8	33.8	32.3	23.5	23.5
87.5°	1.5	2.9	*1.5*	1.5	1.5	5.9	2.9	4.4	4.4	4.4
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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

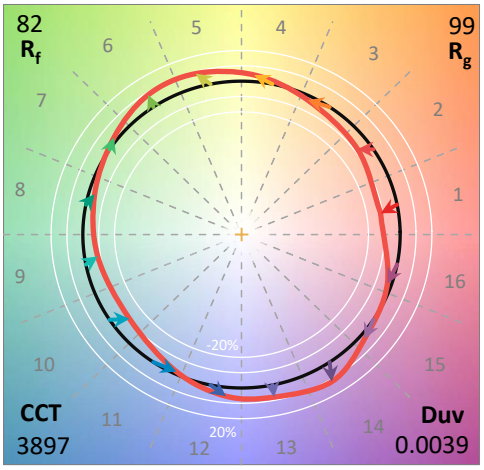
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
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-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

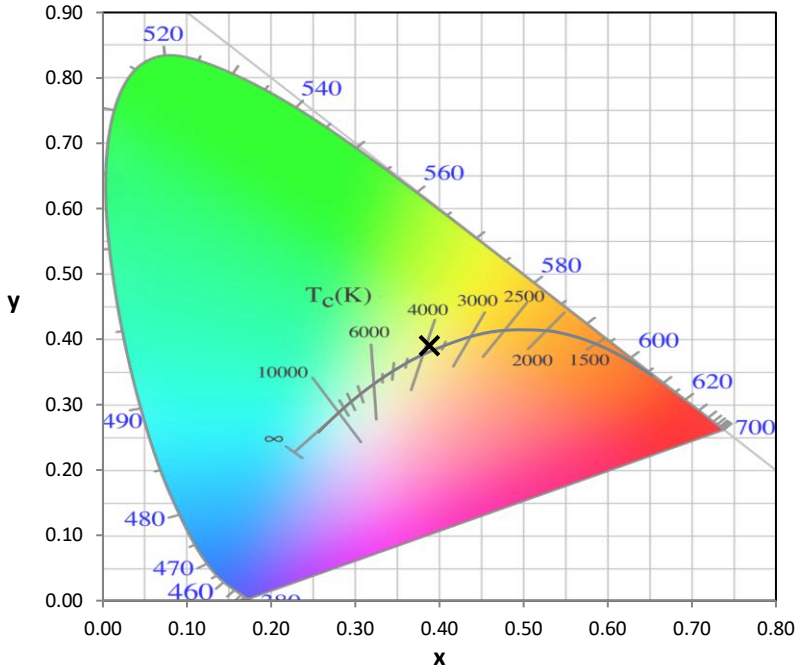
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

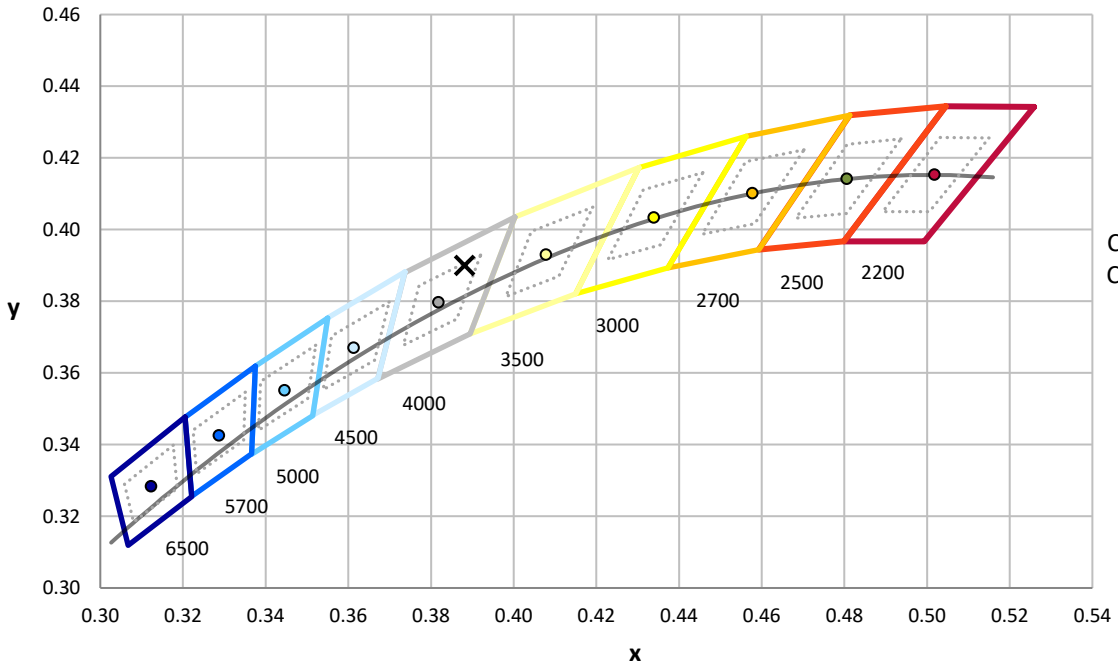
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



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

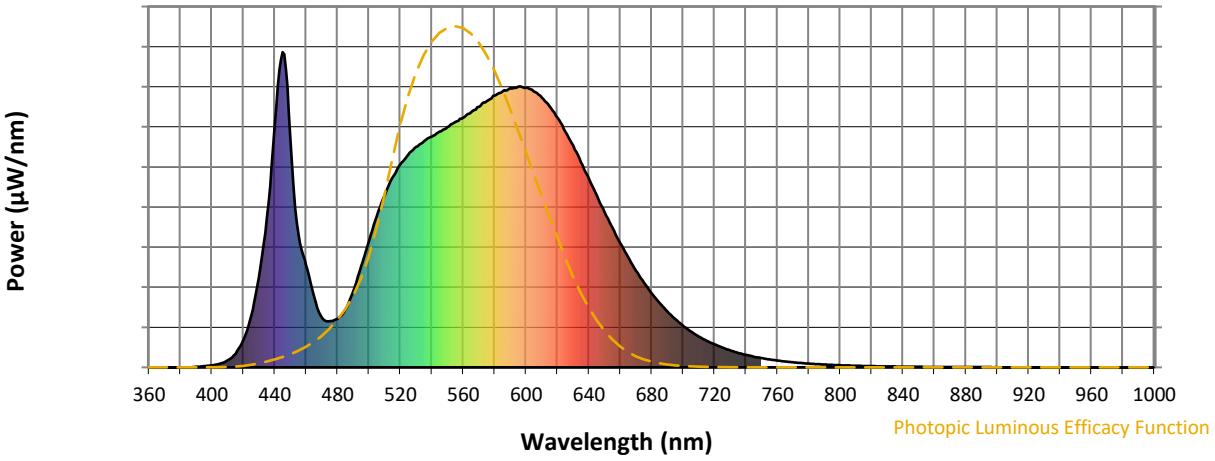


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

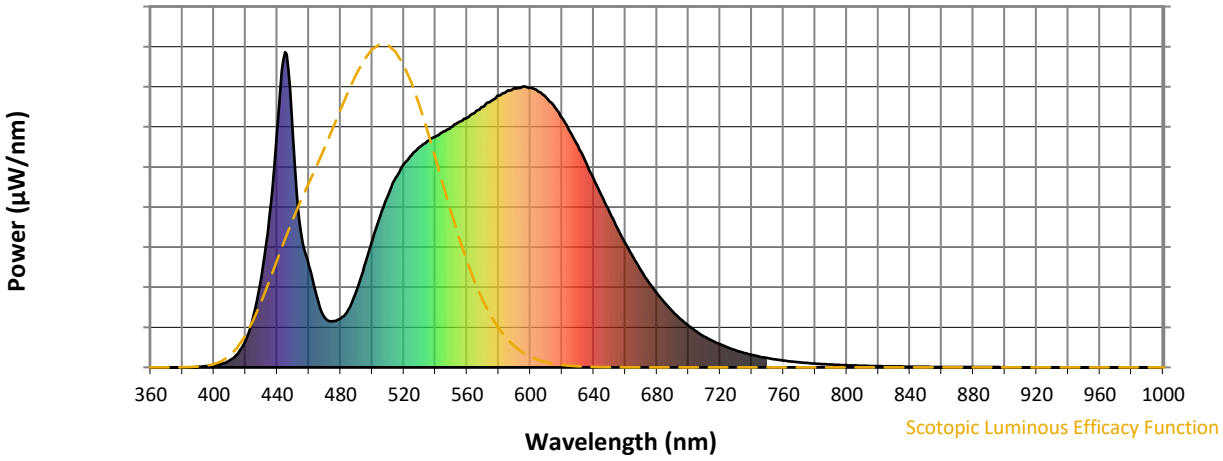


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

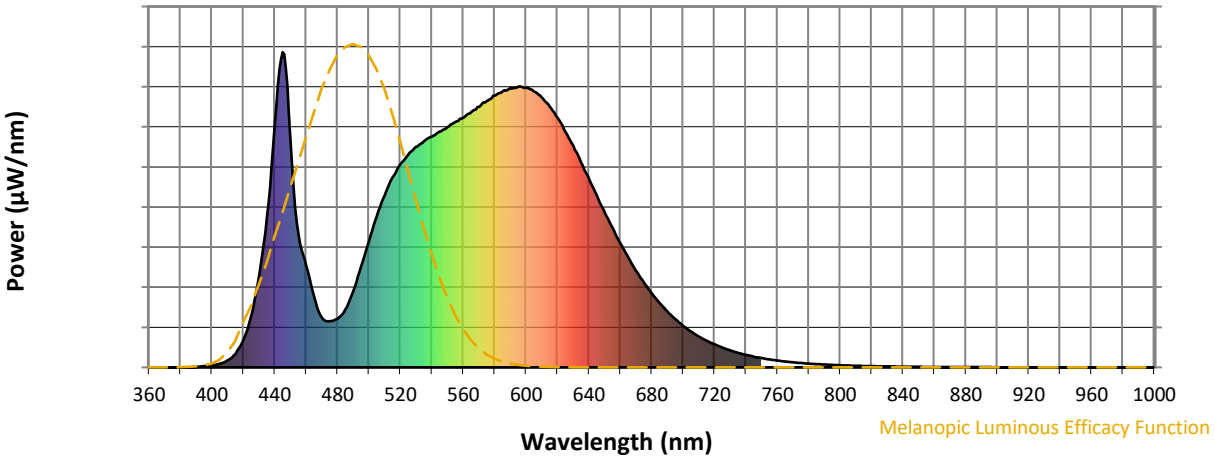


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

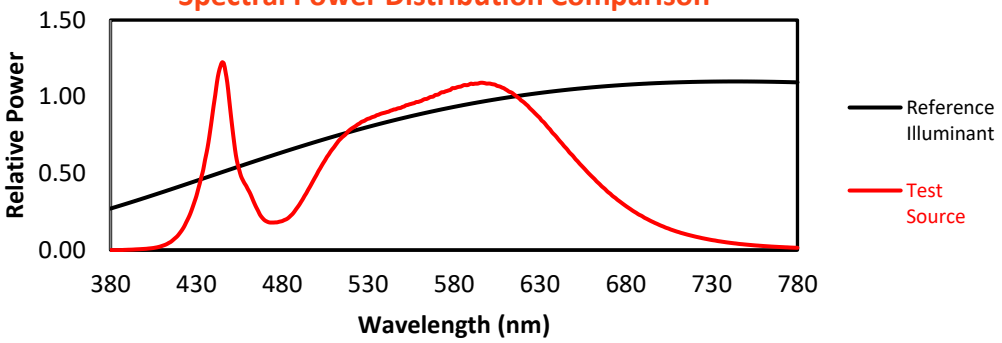
REPORT NUMBER: SP1-2407-184-11

TM-30-18

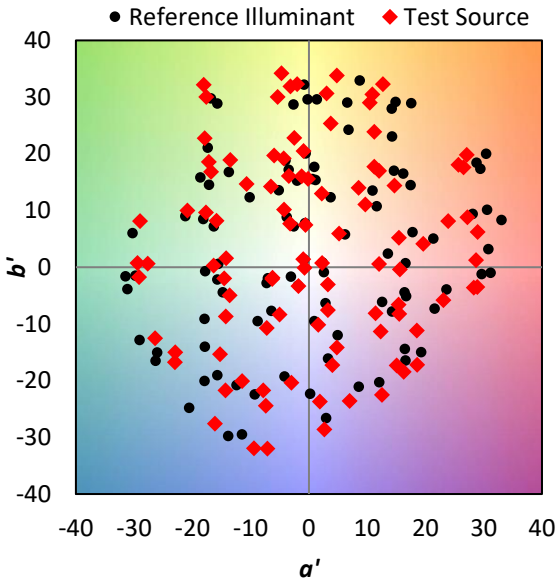
Summary

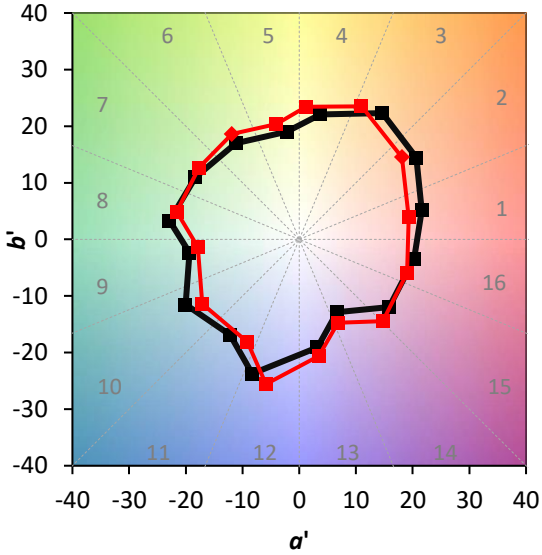
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

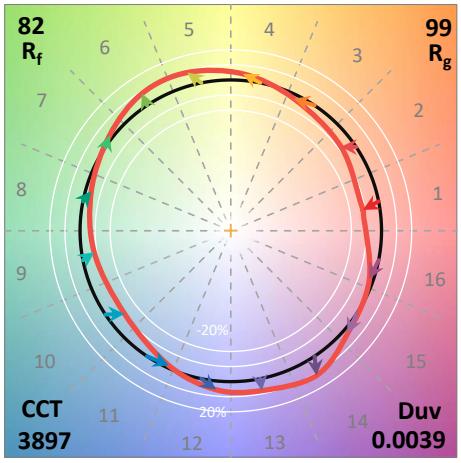
Spectral Power Distribution Comparison

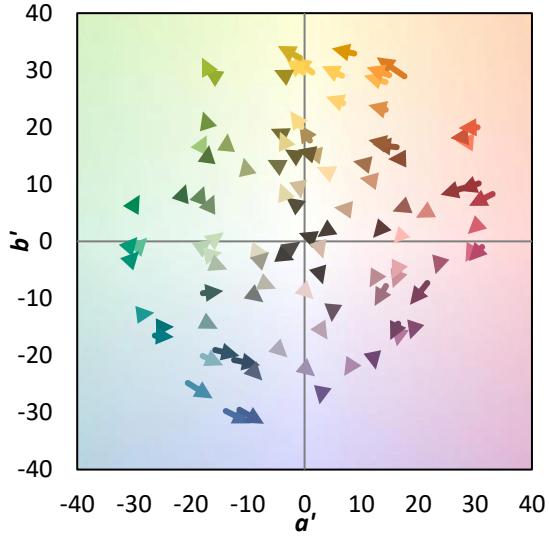


Color Vector Graphics







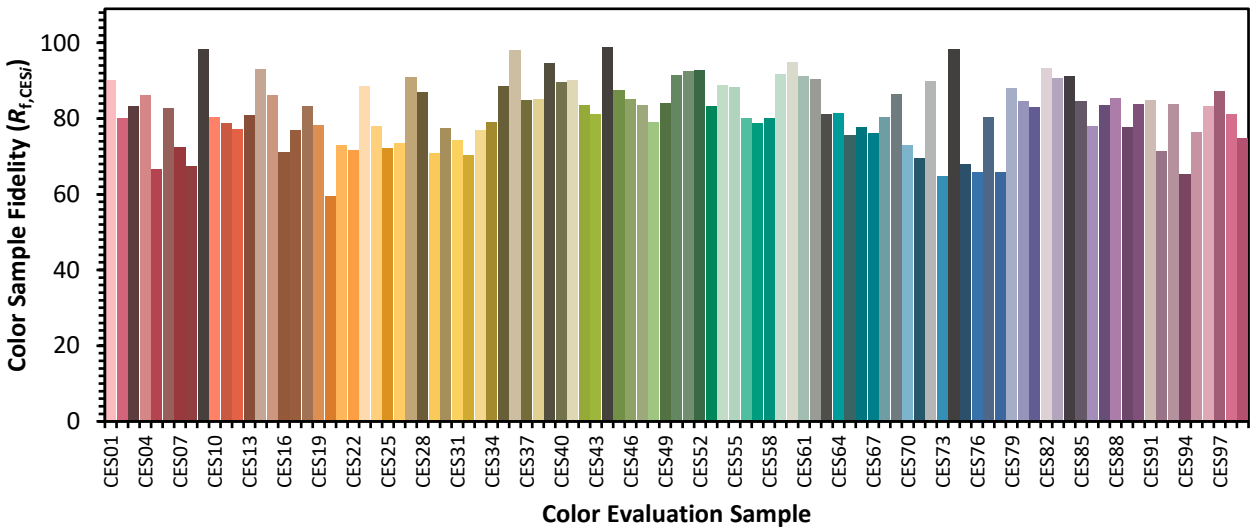


REPORT NUMBER: SP1-2407-184-11

TM-30-18

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

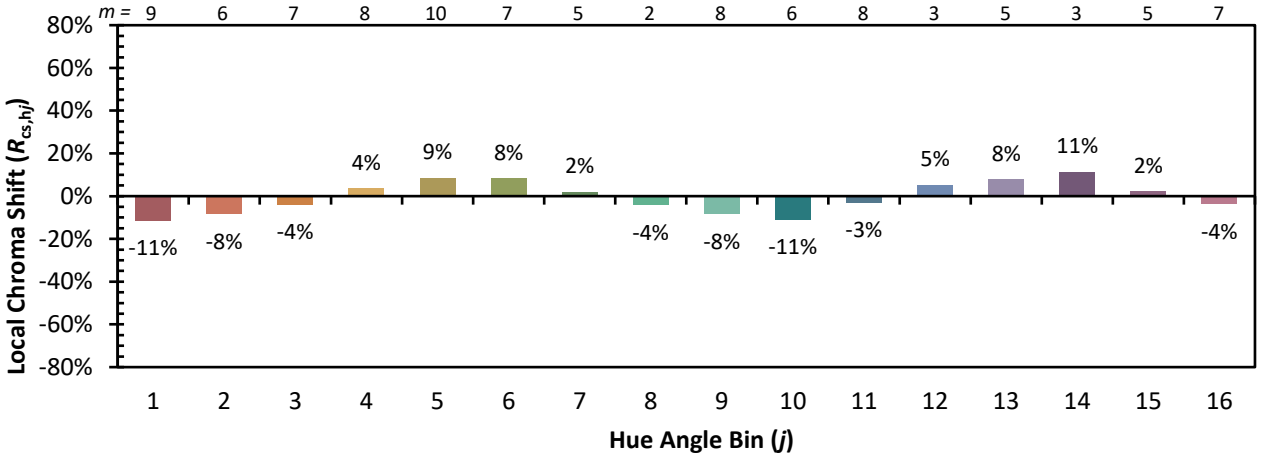
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

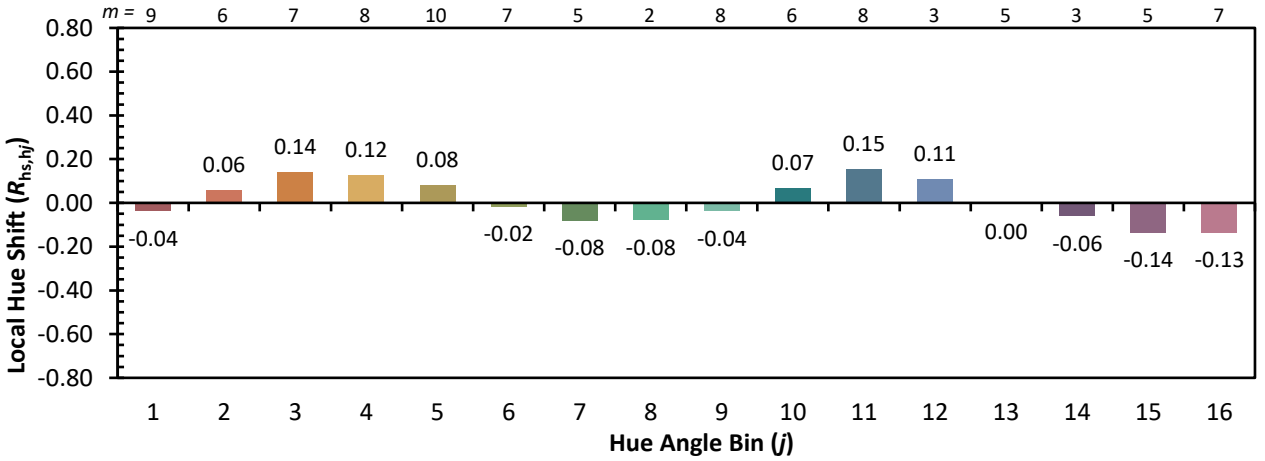


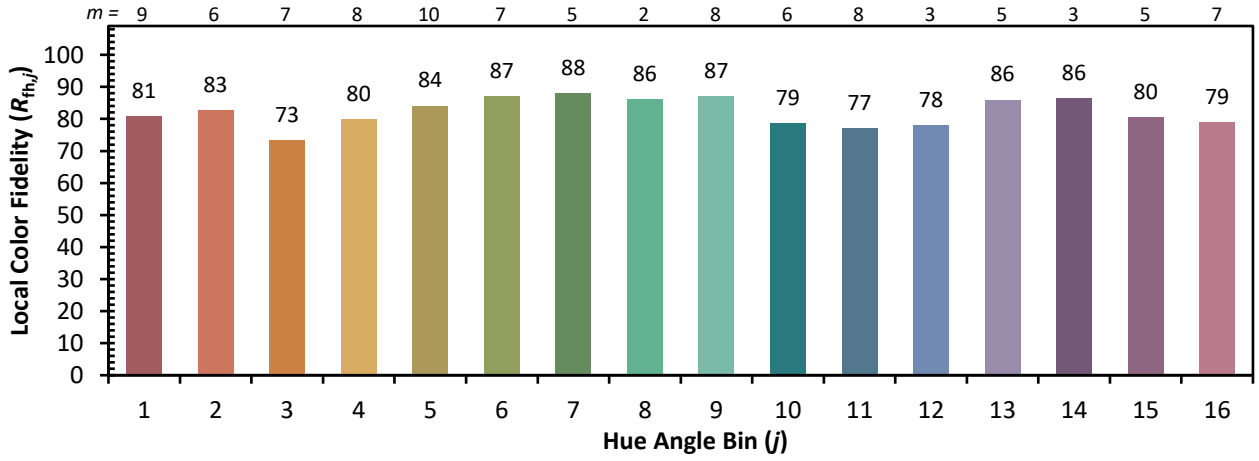
REPORT NUMBER: SP1-2407-184-11

TM-30-18

Color Rendition by Hue-Angle Bin



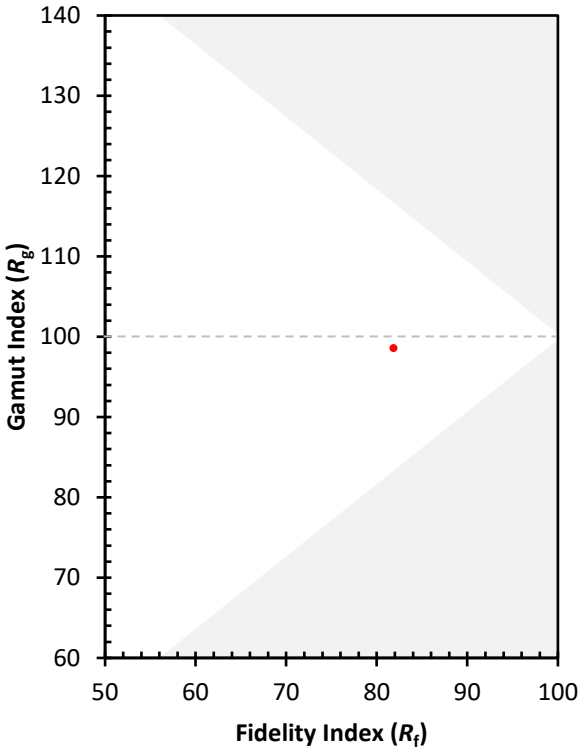


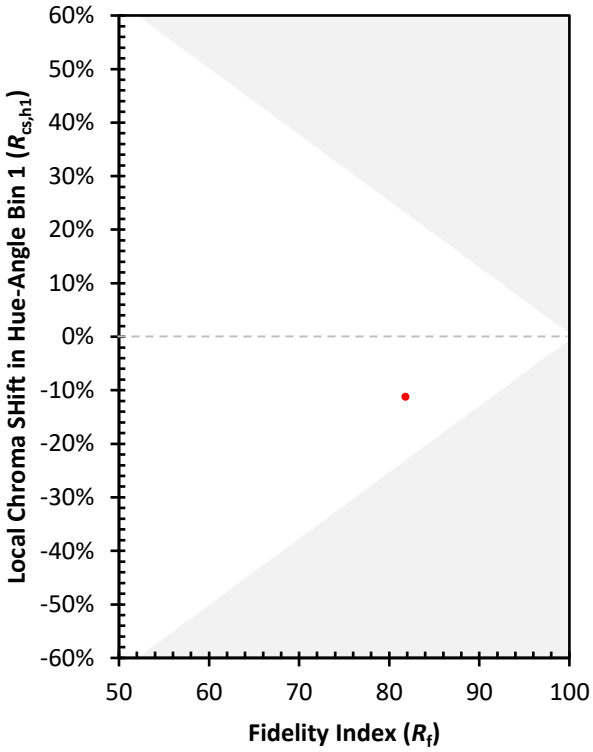


REPORT NUMBER: SP1-2407-184-11

TM-30-18

Measure Comparisons





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