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: P1501590

Luminaire Tested: GSS-SB1B-850-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:	P1501590
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-850-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 5000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4890.5 lumens
Efficiency:	N/A
Efficacy:	122.3 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

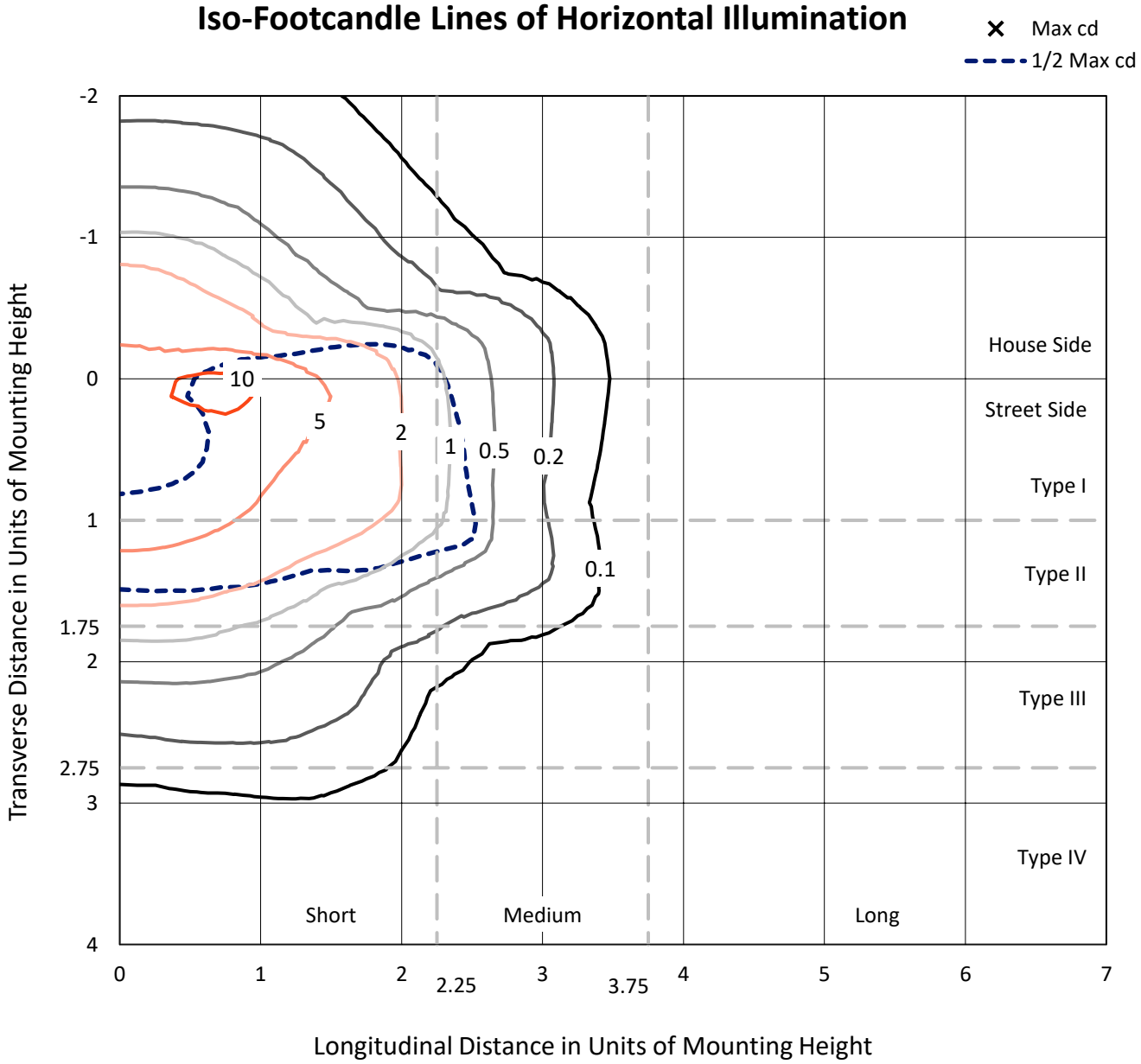
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



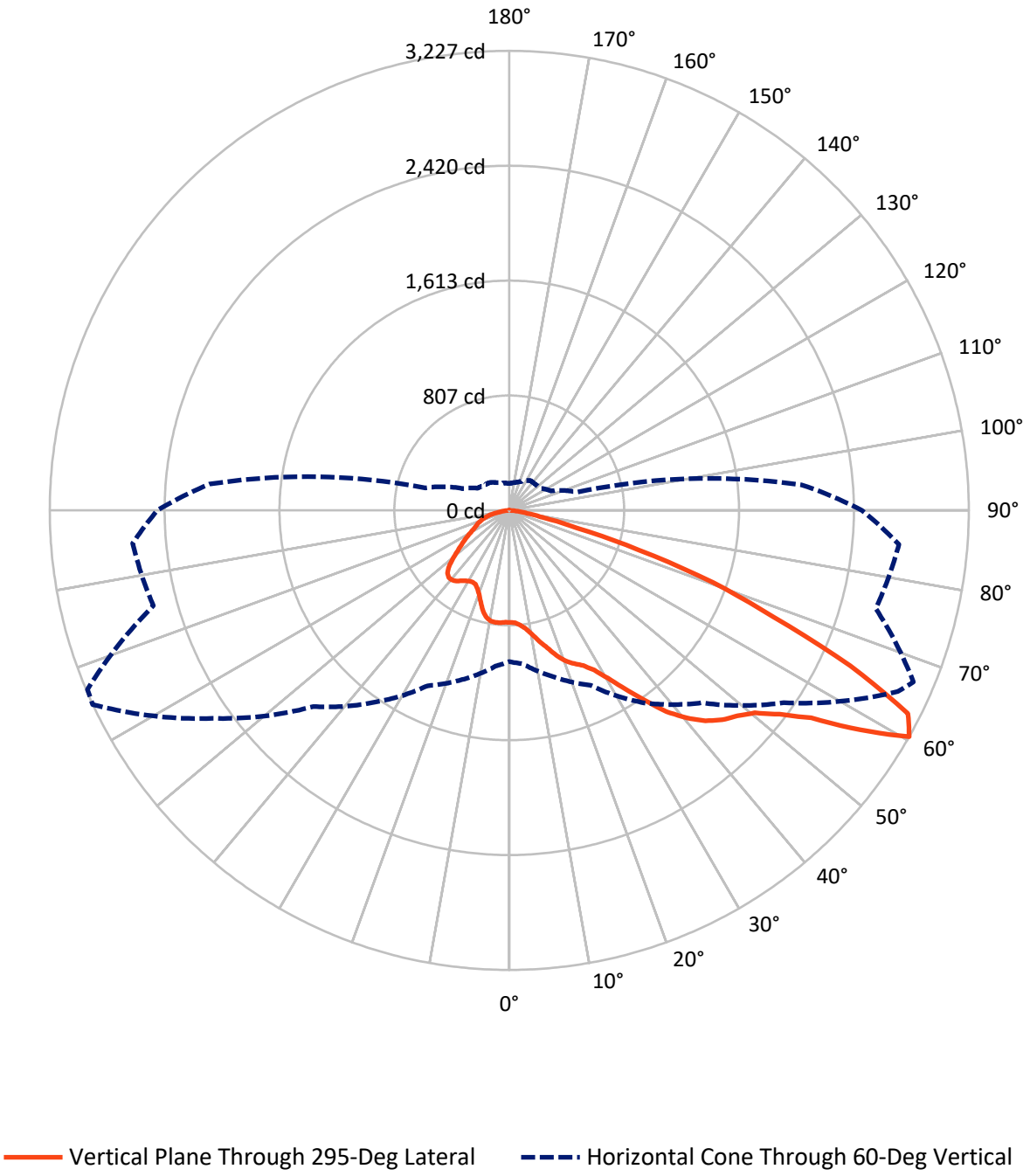
Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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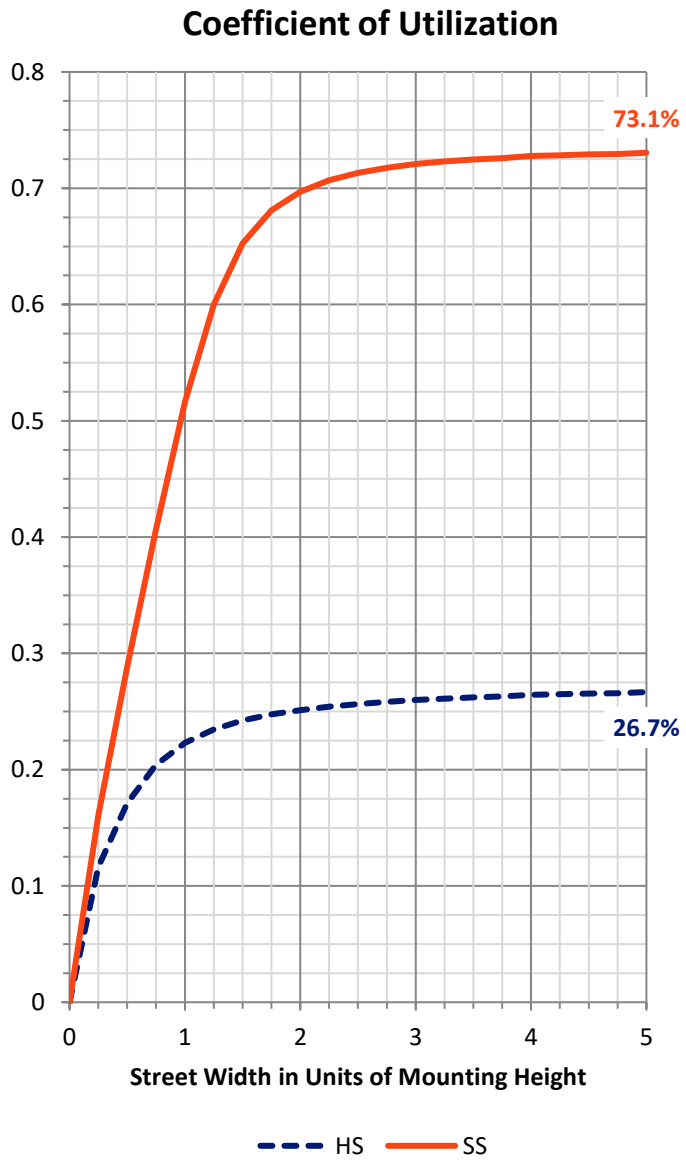
REPORT NUMBER: P1501590
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1315.1	0.0	1315.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3575.4	0.0	3575.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	4890.5	0.0	4890.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.5
10°-20°	212.7	4.3
20°-30°	402.8	8.2
30°-40°	710.2	14.5
40°-50°	1050.3	21.5
50°-60°	1233.3	25.2
60°-70°	893.6	18.3
70°-80°	275.6	5.6
80°-90°	37.9	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°	4890.5	100.0
0°-180°	4890.5	100.0



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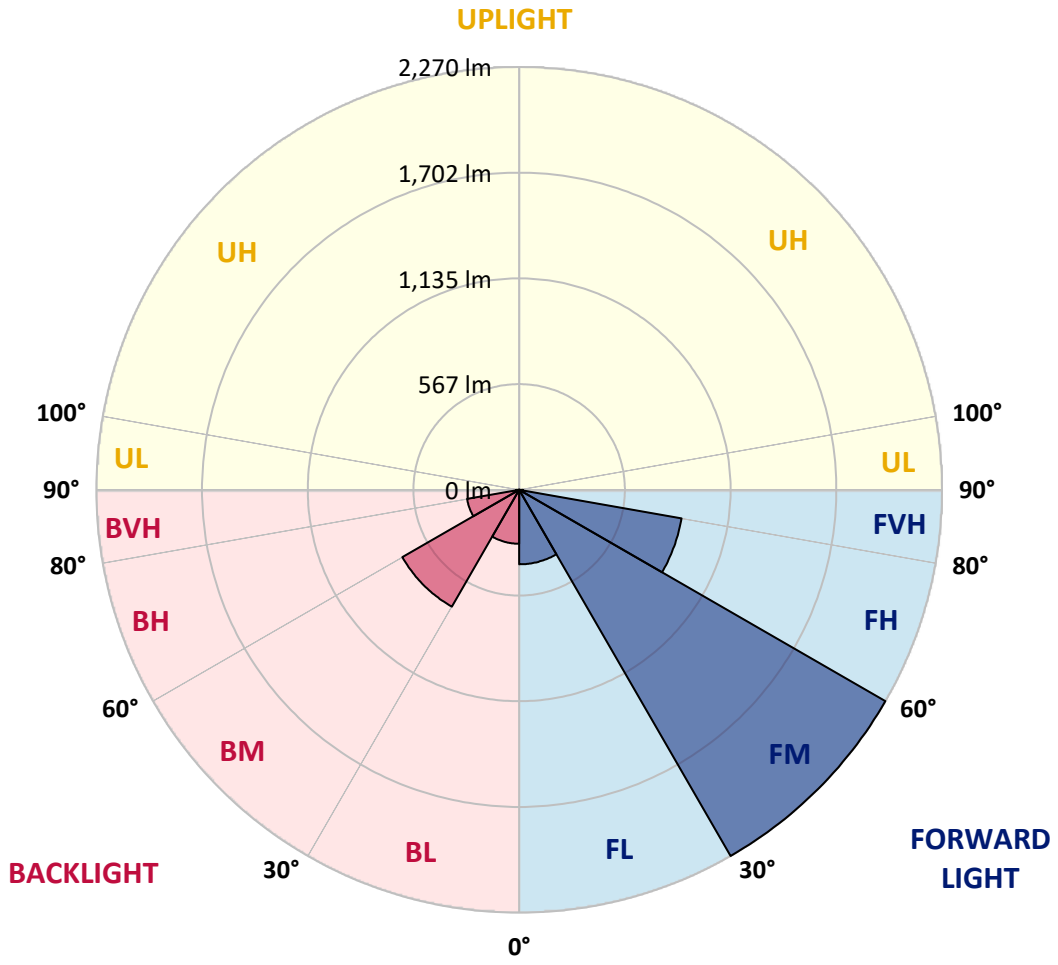
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	399.9	8.2			
FM	(30°-60°)	2269.7	46.4			
FH	(60°-80°)	885.3	18.1			G1/1800
FVH	(80°-90°)	20.5	0.4			G1/100
BL	(0°-30°)	289.6	5.9	B1/500		
BM	(30°-60°)	724.1	14.8	B1/1000		
BH	(60°-80°)	283.9	5.8	B1/500		G1/500
BVH	(80°-90°)	17.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9
2.5°	802.5	804.7	801.3	803.6	803.6	800.2	799.1	794.7	796.9	795.8	794.7
5°	821.4	822.5	820.3	823.6	823.6	824.8	823.6	818.1	818.1	818.1	815.8
7.5°	815.8	815.8	817.0	828.1	839.2	853.7	853.7	851.5	853.7	852.6	842.6
10°	769.0	773.5	783.5	811.4	838.1	869.3	890.5	897.2	897.2	898.3	881.6
12.5°	685.4	688.8	712.2	754.5	810.3	867.1	918.4	951.8	955.2	960.7	938.4
15°	610.8	613.0	629.7	673.2	736.7	837.0	934.0	1003.1	1014.2	1037.6	1004.2
17.5°	617.5	616.3	620.8	637.5	683.2	788.0	930.6	1063.3	1083.3	1124.6	1095.6
20°	657.6	657.6	660.9	664.3	681.0	752.3	906.1	1112.3	1151.3	1231.6	1198.1
22.5°	721.1	721.1	720.0	725.6	725.6	767.9	907.2	1149.1	1207.0	1350.8	1318.5
25°	809.1	804.7	804.7	806.9	796.9	827.0	935.1	1187.0	1262.8	1492.4	1464.5
27.5°	908.3	911.7	909.5	901.7	888.3	911.7	1002.0	1246.0	1325.2	1641.7	1630.6
30°	1016.5	1017.6	1019.8	1015.3	1004.2	1020.9	1106.7	1335.2	1407.7	1797.7	1822.3
32.5°	1122.3	1137.9	1132.4	1121.2	1125.7	1155.8	1236.0	1455.6	1530.3	1942.6	2029.6
35°	1257.2	1262.8	1285.1	1243.8	1244.9	1296.2	1401.0	1613.8	1686.3	2093.1	2236.9
37.5°	1453.3	1463.4	1453.3	1388.7	1378.7	1450.0	1561.5	1769.9	1822.3	2206.8	2429.7
40°	1646.2	1658.4	1675.1	1599.4	1535.8	1594.9	1713.0	1889.1	1943.7	2269.2	2557.8
42.5°	1805.5	1825.6	1807.8	1785.5	1727.5	1738.7	1818.9	1981.6	2036.2	2348.3	2687.1
45°	1940.4	1943.7	1951.5	1935.9	1907.0	1896.9	1909.2	2063.0	2123.2	2384.0	2750.7
47.5°	1996.1	2010.6	2017.3	2044.1	2074.1	2054.1	1986.1	2100.9	2155.5	2381.8	2770.7
50°	1966.0	1980.5	2016.2	2079.7	2152.2	2187.8	2076.4	2153.3	2214.6	2421.9	2812.0
52.5°	1886.9	1902.5	1960.5	2032.9	2154.4	2235.7	2203.4	2262.5	2321.6	2493.2	2881.1
55°	1695.2	1718.6	1800.0	1920.3	2087.5	2210.1	2337.2	2423.0	2487.6	2579.0	2952.4
57.5°	1416.6	1441.1	1532.5	1713.0	1963.8	2104.2	2376.2	2723.9	2752.9	2681.6	2959.1
60°	*1061.0*	*1081.1*	*1210.4*	*1355.3*	*1649.5*	*1910.3*	*2353.9*	*3009.2*	*3082.8*	*2663.7*	*2746.2*
62.5°	840.4	864.9	979.7	1046.5	1257.2	1578.2	2275.9	3088.4	3151.9	2516.6	2449.7
65°	656.5	673.2	780.2	876.0	927.3	1077.8	1950.4	2701.6	2758.5	2277.0	2021.8
67.5°	433.6	459.2	586.2	717.8	744.5	685.4	1341.9	2078.6	2105.3	1810.0	1520.2
70°	311.0	323.2	417.9	558.4	598.5	459.2	731.1	1573.7	1581.5	1214.8	1024.3
72.5°	211.8	214.0	284.2	428.0	477.0	333.2	402.3	1036.5	1009.8	599.6	586.2
75°	143.8	146.0	181.7	285.3	337.7	231.8	261.9	565.1	542.8	331.0	355.5
77.5°	97.0	99.2	124.8	191.7	225.1	160.5	191.7	298.7	293.1	219.6	190.6
80°	73.6	76.9	92.5	122.6	157.1	93.6	109.2	141.5	143.8	117.0	97.0
82.5°	41.2	45.7	55.7	62.4	101.4	52.4	52.4	84.7	81.4	72.4	52.4
85°	17.8	18.9	22.3	23.4	41.2	22.3	18.9	36.8	37.9	35.7	16.7
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.5	4.5	4.5	4.5
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°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9
2.5°	789.1	795.8	789.1	785.7	785.7	780.2	777.9	777.9	770.1	773.5	771.3
5°	806.9	809.1	801.3	791.3	777.9	766.8	751.2	731.1	718.9	717.8	718.9
7.5°	834.8	835.9	814.7	792.4	759.0	718.9	670.9	631.9	597.4	591.8	598.5
10°	873.8	871.6	840.4	788.0	717.8	633.1	559.5	523.8	503.8	502.7	501.5
12.5°	926.2	911.7	863.8	769.0	646.4	548.3	510.5	508.2	513.8	518.3	519.4
15°	986.4	967.4	882.7	732.2	574.0	517.1	519.4	538.3	545.0	549.5	549.5
17.5°	1061.0	1036.5	903.9	679.9	537.2	523.8	539.4	557.3	568.4	572.9	571.8
20°	1160.2	1109.0	920.6	629.7	527.2	535.0	548.3	566.2	577.3	582.9	582.9
22.5°	1259.4	1195.9	923.9	595.2	527.2	536.1	548.3	566.2	578.4	584.0	582.9
25°	1394.3	1307.3	925.1	570.6	528.3	530.5	541.7	557.3	575.1	580.7	582.9
27.5°	1538.1	1429.9	930.6	565.1	523.8	522.7	530.5	545.0	562.8	577.3	578.4
30°	1716.4	1568.1	932.9	570.6	524.9	510.5	516.0	530.5	549.5	564.0	568.4
32.5°	1891.4	1696.3	928.4	582.9	527.2	502.7	503.8	512.7	532.7	542.8	550.6
35°	2076.4	1832.3	920.6	599.6	528.3	499.3	489.3	493.7	507.1	508.2	511.6
37.5°	2221.3	1933.7	897.2	621.9	530.5	487.1	467.0	463.6	458.1	446.9	449.2
40°	2340.5	2001.7	858.2	633.1	524.9	472.6	439.1	423.5	402.3	385.6	389.0
42.5°	2426.3	2047.4	811.4	635.3	516.0	448.0	406.8	380.1	356.7	338.8	339.9
45°	2464.2	2042.9	761.2	618.6	494.9	417.9	376.7	351.1	325.4	306.5	304.3
47.5°	2465.3	1999.5	692.1	578.4	459.2	383.4	348.8	321.0	299.8	286.4	285.3
50°	2474.3	1974.9	627.5	520.5	412.4	346.6	324.3	296.5	284.2	265.3	259.7
52.5°	2530.0	2015.1	582.9	457.0	368.9	319.9	303.2	278.6	258.6	246.3	245.2
55°	2620.3	2084.2	558.4	409.0	327.7	294.2	283.1	261.9	244.1	231.8	228.5
57.5°	2631.4	2119.8	529.4	364.5	294.2	274.2	269.7	246.3	220.7	211.8	208.4
60°	*2475.4*	*2059.7*	*493.7*	*323.2*	*269.7*	*258.6*	*256.3*	*225.1*	*204.0*	*192.8*	*188.4*
62.5°	2262.5	1909.2	439.1	285.3	250.8	243.0	234.1	209.5	182.8	170.5	167.2
65°	1849.0	1604.9	373.4	259.7	231.8	222.9	220.7	187.2	169.4	162.7	161.6
67.5°	1401.0	1289.5	328.8	240.7	211.8	208.4	200.6	189.5	181.7	173.9	171.6
70°	990.8	930.6	279.7	216.2	191.7	186.1	218.4	206.2	178.3	168.3	167.2
72.5°	600.7	584.0	241.9	193.9	165.0	173.9	201.7	186.1	160.5	148.2	143.8
75°	378.9	346.6	202.8	165.0	131.5	141.5	176.1	166.1	138.2	125.9	122.6
77.5°	206.2	191.7	152.7	134.9	103.7	114.8	153.8	137.1	110.3	120.4	107.0
80°	90.3	100.3	101.4	78.0	69.1	84.7	110.3	107.0	84.7	85.8	71.3
82.5°	43.5	56.8	65.8	53.5	39.0	50.2	73.6	61.3	56.8	53.5	51.3
85°	13.4	21.2	29.0	25.6	17.8	21.2	34.6	33.4	40.1	34.6	32.3
87.5°	4.5	4.5	3.3	3.3	3.3	4.5	5.6	3.3	1.1	1.1	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°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9
2.5°	770.1	771.3	771.3	772.4	772.4	775.7	780.2	784.6	781.3	785.7	786.9
5°	716.6	722.2	726.7	743.4	756.8	767.9	780.2	791.3	794.7	796.9	802.5
7.5°	590.7	606.3	635.3	673.2	715.5	756.8	784.6	813.6	818.1	823.6	831.4
10°	502.7	509.3	529.4	568.4	644.2	725.6	793.5	839.2	858.2	869.3	877.1
12.5°	517.1	512.7	509.3	514.9	564.0	668.7	788.0	876.0	911.7	923.9	934.0
15°	551.7	547.2	535.0	519.4	524.9	608.5	769.0	910.6	967.4	987.5	1008.7
17.5°	571.8	567.3	557.3	540.5	526.1	558.4	733.4	941.8	1055.5	1080.0	1110.1
20°	582.9	578.4	568.4	551.7	535.0	539.4	687.7	980.8	1155.8	1194.8	1239.4
22.5°	585.1	579.6	568.4	551.7	541.7	538.3	644.2	1004.2	1263.9	1324.1	1375.3
25°	584.0	574.0	559.5	547.2	541.7	540.5	614.1	1017.6	1380.9	1476.8	1534.7
27.5°	576.2	564.0	549.5	540.5	538.3	545.0	600.7	1033.2	1518.0	1640.6	1733.1
30°	567.3	549.5	531.6	528.3	533.9	555.0	611.9	1038.7	1661.8	1818.9	1913.7
32.5°	543.9	530.5	512.7	511.6	524.9	562.8	637.5	1030.9	1788.8	1997.2	2116.5
35°	510.5	502.7	492.6	496.0	517.1	569.5	655.3	1006.4	1904.7	2163.3	2302.6
37.5°	451.4	457.0	462.5	470.3	497.1	568.4	663.1	967.4	2000.6	2295.9	2474.3
40°	385.6	404.6	422.4	442.5	478.1	559.5	665.4	919.5	2056.3	2396.2	2627.0
42.5°	344.4	362.2	384.5	413.5	452.5	539.4	663.1	866.0	2074.1	2465.3	2723.9
45°	306.5	327.7	355.5	385.6	430.2	510.5	643.1	808.0	2083.1	2497.7	2765.2
47.5°	286.4	298.7	324.3	354.4	401.2	474.8	604.1	765.7	2069.7	2504.4	2815.3
50°	263.0	279.7	296.5	325.4	371.1	430.2	557.3	741.2	2092.0	2570.1	2894.4
52.5°	245.2	254.1	271.9	298.7	332.1	389.0	512.7	721.1	2153.3	2637.0	2976.9
55°	231.8	241.9	253.0	275.3	300.9	347.7	467.0	691.0	2224.6	2708.3	3059.4
57.5°	210.6	217.3	232.9	256.3	273.1	307.6	413.5	655.3	2219.0	2652.6	2916.7
60°	*191.7*	*198.4*	*215.1*	*238.5*	*248.5*	*271.9*	*361.1*	*609.6*	*2112.0*	*2470.9*	*2653.7*
62.5°	170.5	178.3	198.4	215.1	224.0	241.9	306.5	526.1	1889.1	2197.9	2346.1
65°	161.6	166.1	179.4	199.5	198.4	215.1	258.6	413.5	1520.2	1679.6	1814.5
67.5°	171.6	178.3	176.1	181.7	178.3	187.2	231.8	332.1	1194.8	1265.0	1343.0
70°	169.4	185.0	192.8	181.7	156.0	166.1	200.6	265.3	854.8	848.2	844.8
72.5°	148.2	163.8	186.1	197.3	152.7	138.2	173.9	229.6	548.3	546.1	493.7
75°	125.9	137.1	163.8	178.3	131.5	111.5	149.3	195.0	327.7	332.1	296.5
77.5°	115.9	110.3	137.1	157.1	107.0	85.8	120.4	147.1	180.6	182.8	169.4
80°	83.6	80.2	102.5	114.8	81.4	61.3	68.0	91.4	97.0	86.9	90.3
82.5°	53.5	54.6	61.3	73.6	50.2	33.4	46.8	61.3	52.4	42.4	50.2
85°	34.6	39.0	32.3	37.9	15.6	15.6	20.1	26.7	17.8	12.3	13.4
87.5°	0.0	0.0	2.2	4.5	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: P1501590
CATALOG NUMBER: GSS-SB1B-850-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	786.9	786.9	*786.9*	786.9	786.9	786.9	786.9	786.9	786.9	786.9
2.5°	790.2	789.1	*789.1*	791.3	796.9	799.1	802.5	801.3	804.7	802.5
5°	805.8	806.9	*810.3*	811.4	814.7	819.2	820.3	819.2	821.4	821.4
7.5°	837.0	841.5	*839.2*	844.8	840.4	834.8	825.9	819.2	813.6	815.8
10°	889.4	887.2	*886.1*	876.0	856.0	827.0	803.6	777.9	773.5	769.0
12.5°	947.4	945.1	*945.1*	910.6	853.7	793.5	740.0	699.9	686.6	685.4
15°	1028.7	1014.2	*1000.8*	928.4	814.7	712.2	649.8	618.6	610.8	610.8
17.5°	1130.1	1092.2	*1070.0*	915.0	751.2	658.7	621.9	614.1	611.9	617.5
20°	1256.1	1160.2	*1127.9*	884.9	727.8	665.4	647.5	648.7	649.8	657.6
22.5°	1394.3	1222.6	*1169.1*	884.9	751.2	707.7	698.8	711.1	714.4	721.1
25°	1548.1	1278.4	*1205.9*	931.7	820.3	788.0	776.8	789.1	798.0	809.1
27.5°	1720.8	1336.3	*1269.5*	1016.5	909.5	889.4	877.1	882.7	895.0	908.3
30°	1875.8	1433.3	*1366.4*	1145.7	1030.9	1006.4	985.2	994.2	1007.5	1016.5
32.5°	2012.8	1551.4	*1494.6*	1281.7	1170.3	1127.9	1104.5	1102.3	1129.0	1122.3
35°	2138.8	1690.7	*1636.1*	1436.6	1311.8	1259.4	1228.2	1268.3	1250.5	1257.2
37.5°	2238.0	1835.6	*1792.2*	1584.9	1458.9	1387.6	1368.6	1417.7	1445.5	1453.3
40°	2319.3	1961.6	*1915.9*	1732.0	1593.8	1541.4	1571.5	1652.8	1649.5	1646.2
42.5°	2381.8	2069.7	*2019.5*	1843.4	1723.1	1733.1	1756.5	1811.1	1824.5	1805.5
45°	2409.6	2137.7	*2097.5*	1931.5	1870.2	1928.1	1938.2	1961.6	1952.7	1940.4
47.5°	2441.9	2197.9	*2155.5*	2011.7	2029.6	2086.4	2066.3	2047.4	2015.1	1996.1
50°	2496.6	2269.2	*2233.5*	2128.8	2193.4	2174.5	2096.4	2054.1	1988.3	1966.0
52.5°	2600.2	2404.0	*2377.3*	2313.8	2270.3	2161.1	2066.3	1990.6	1917.0	1886.9
55°	2692.7	2586.8	*2571.2*	2486.5	2246.9	2090.9	1963.8	1846.8	1720.8	1695.2
57.5°	2746.2	2890.0	*2907.8*	2560.1	2139.9	1931.5	1744.2	1557.0	1437.7	1416.6
60°	*2586.8*	*3217.7*	*3226.6*	*2545.6*	*1947.1*	*1643.9*	*1358.6*	*1226.0*	*1097.8*	*1061.0*
62.5°	2367.3	3149.7	*3141.9*	2458.7	1550.3	1199.2	1032.1	969.6	870.4	840.4
65°	2035.1	2623.6	*2632.5*	2124.3	1030.9	867.1	867.1	788.0	677.6	656.5
67.5°	1658.4	2022.9	*2002.8*	1377.6	633.1	694.4	727.8	614.1	459.2	433.6
70°	1077.8	1544.7	*1516.9*	794.7	397.9	578.4	572.9	461.4	328.8	311.0
72.5°	463.6	892.7	*949.6*	405.7	299.8	465.9	457.0	323.2	219.6	211.8
75°	279.7	449.2	*489.3*	258.6	218.4	351.1	316.5	205.1	149.3	143.8
77.5°	177.2	246.3	*244.1*	193.9	163.8	237.4	212.9	141.5	101.4	97.0
80°	102.5	121.5	*125.9*	121.5	110.3	169.4	136.0	102.5	79.1	73.6
82.5°	65.8	75.8	*76.9*	59.1	61.3	109.2	73.6	60.2	45.7	41.2
85°	29.0	32.3	*31.2*	20.1	20.1	44.6	25.6	24.5	17.8	17.8
87.5°	1.1	2.2	*1.1*	1.1	1.1	4.5	2.2	3.3	3.3	3.3
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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

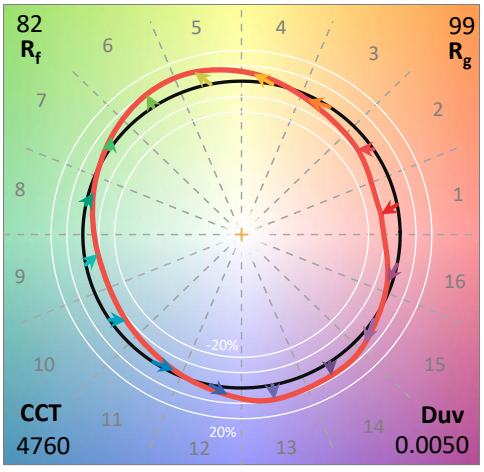
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-12
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-850-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4760
CIE u':	0.2107
CIE v':	0.4939
Duv:	0.0050
CIE x:	0.3537
CIE y:	0.3685
CIE z:	0.2779
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	571
Purity:	16.69598
Rf:	82
Rg:	99.4

CRI (Ra):	81.1
R1:	79.8
R2:	83.5
R3:	87.9
R4:	83.1
R5:	80.5
R6:	79.1
R7:	86.1
R8:	69.0
R9:	8.7
R10:	62.4
R11:	83.8
R12:	63.0
R13:	79.9
R14:	93.3
R15:	72.7



Test Conditions

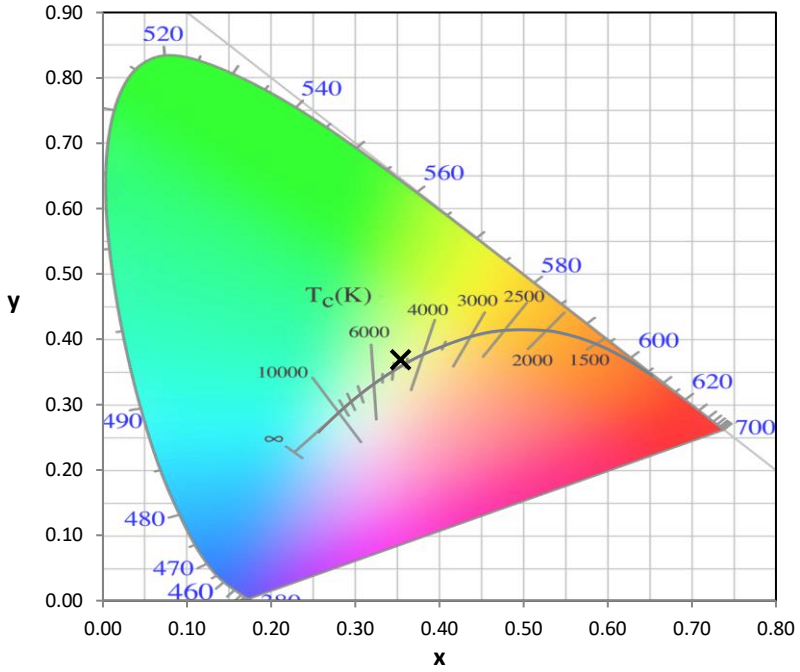
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-12

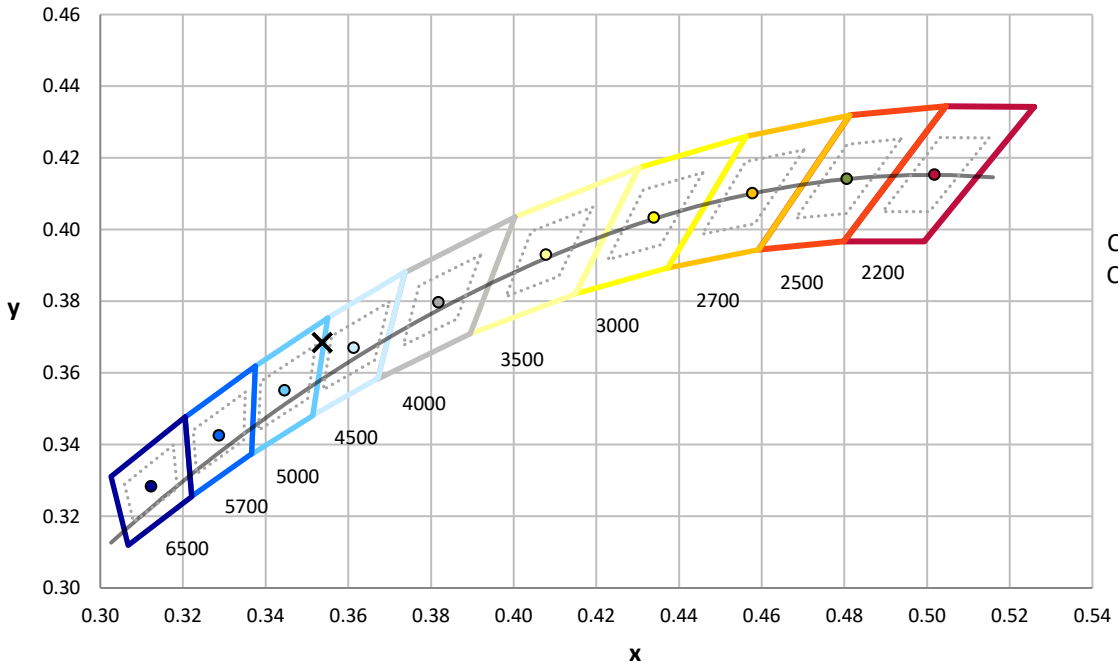
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



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

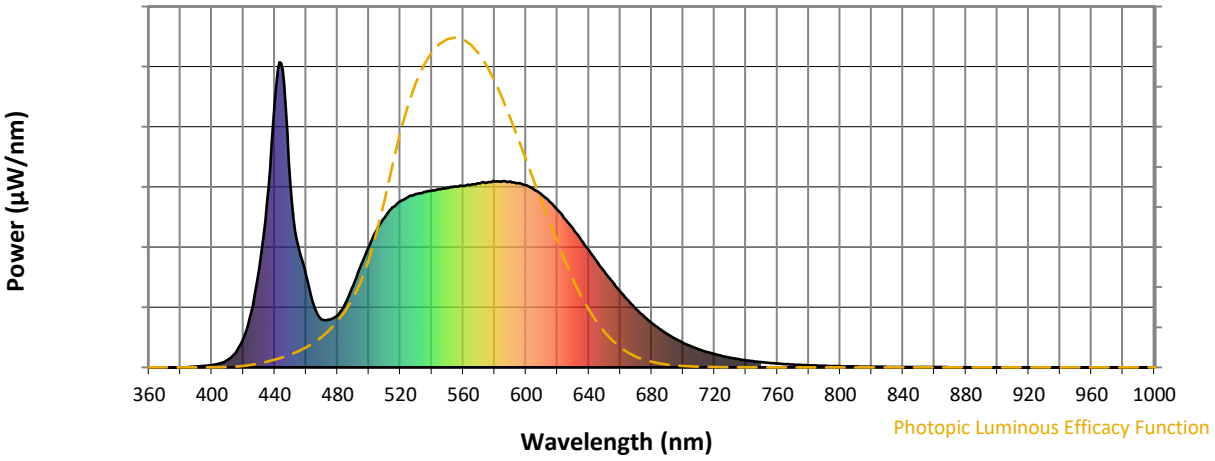


CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

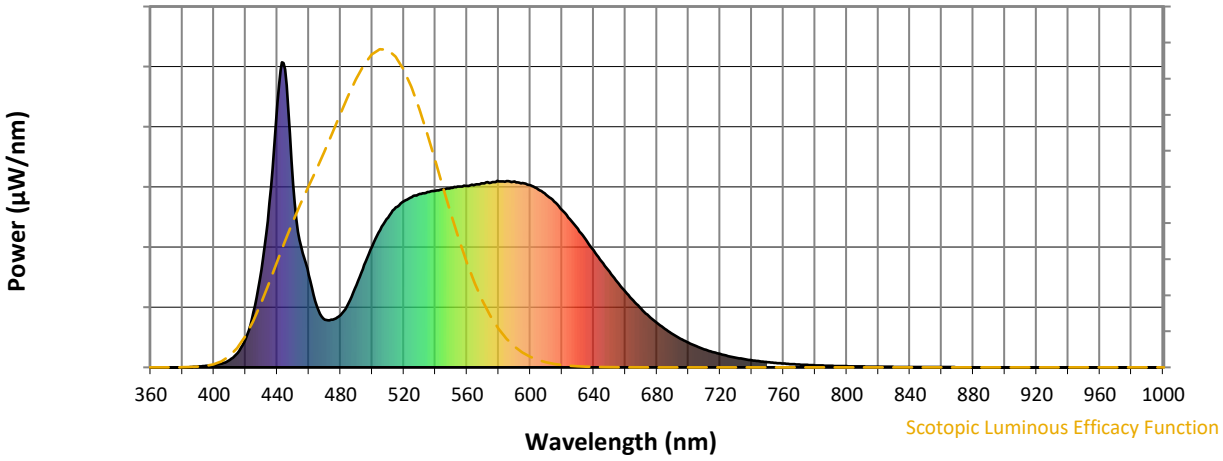


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength

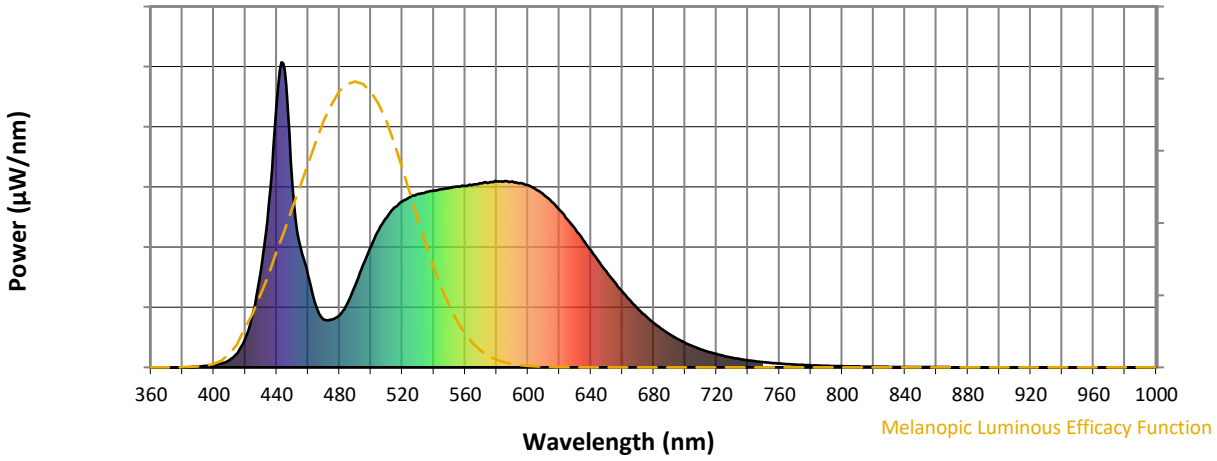


Scotopic Lumens: NR **S/P: 1.83**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.74**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

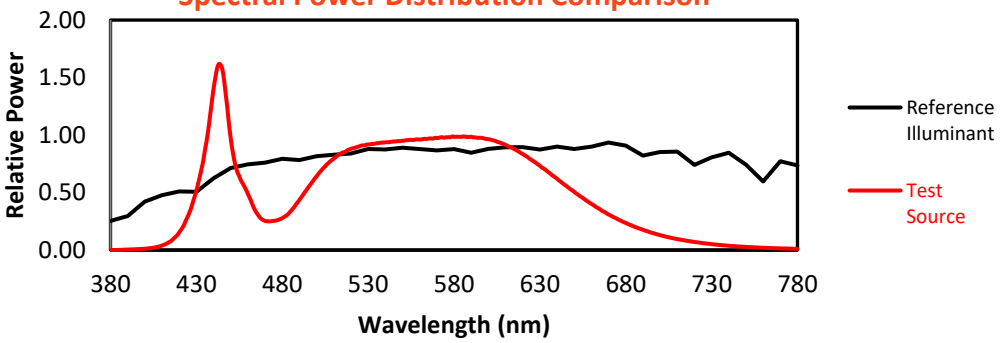
REPORT NUMBER: SP1-2407-184-12

TM-30-18

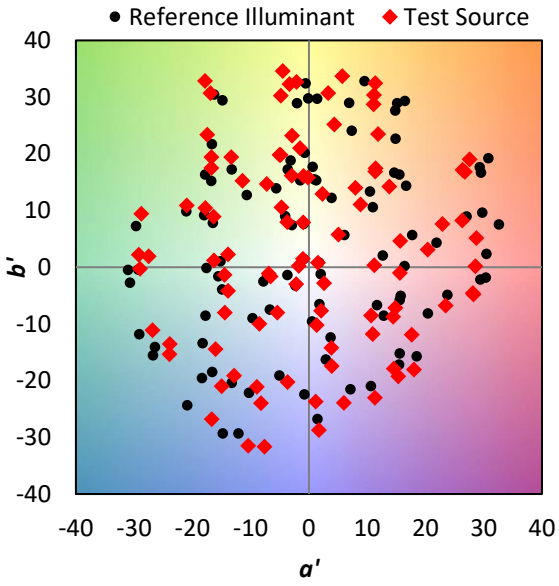
Summary

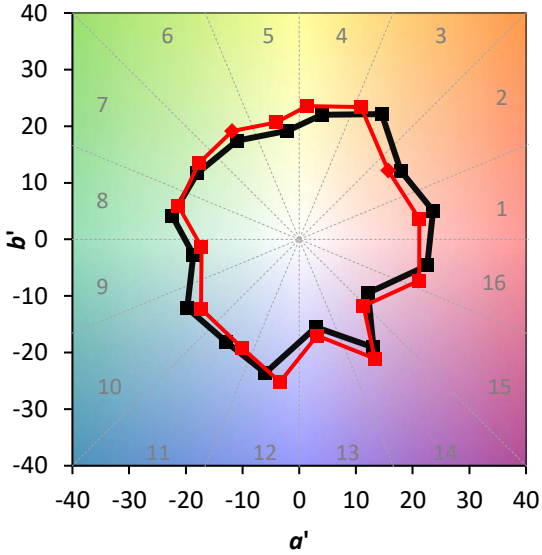
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R_g = 99.4
CIE R_a = 81.1
R_9 = 8.7

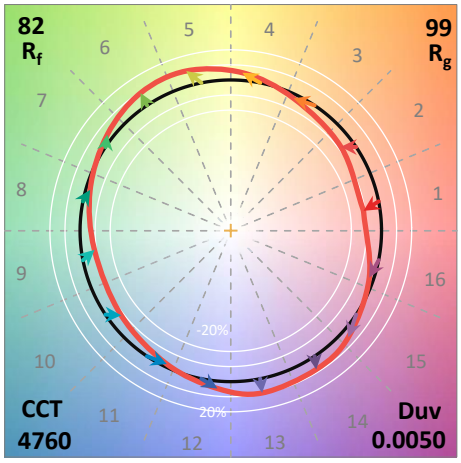
Spectral Power Distribution Comparison

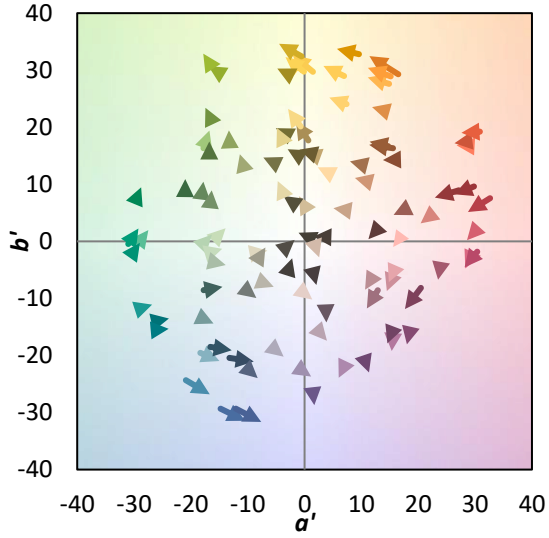


Color Vector Graphics







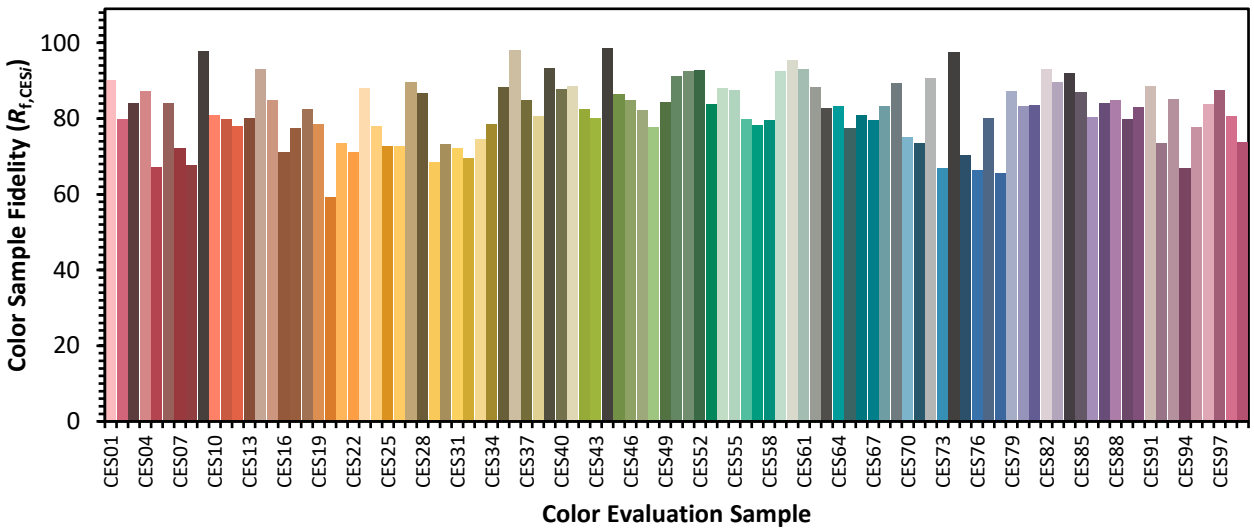


REPORT NUMBER: SP1-2407-184-12

TM-30-18

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

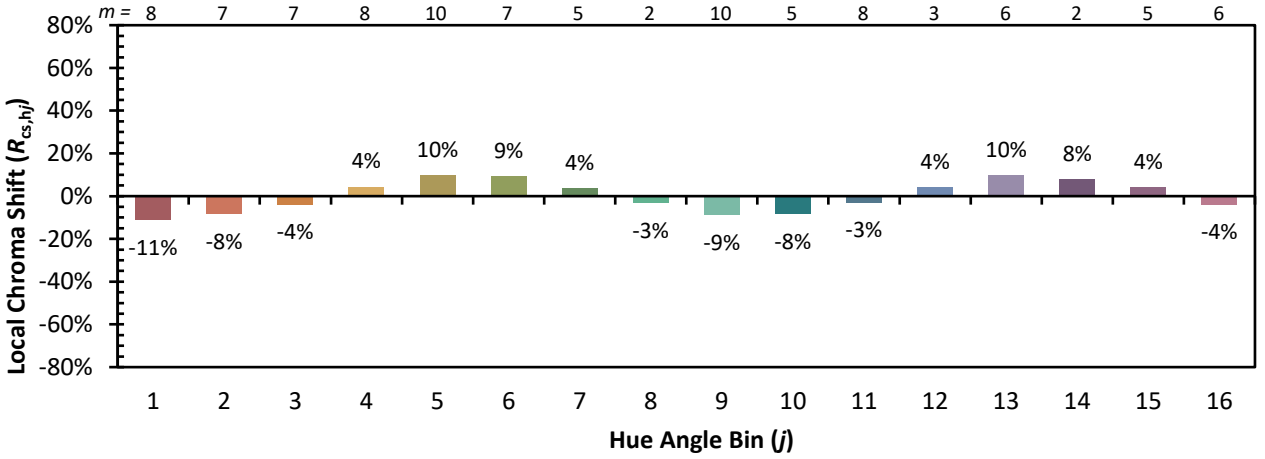
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CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
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CES25 = 71	CES50 = 91	CES75 = 70	

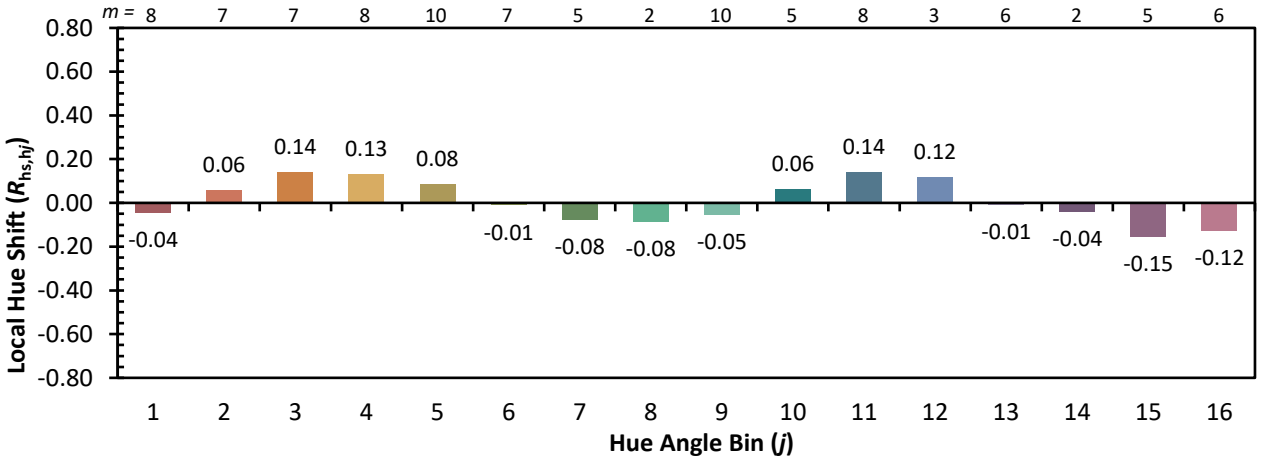


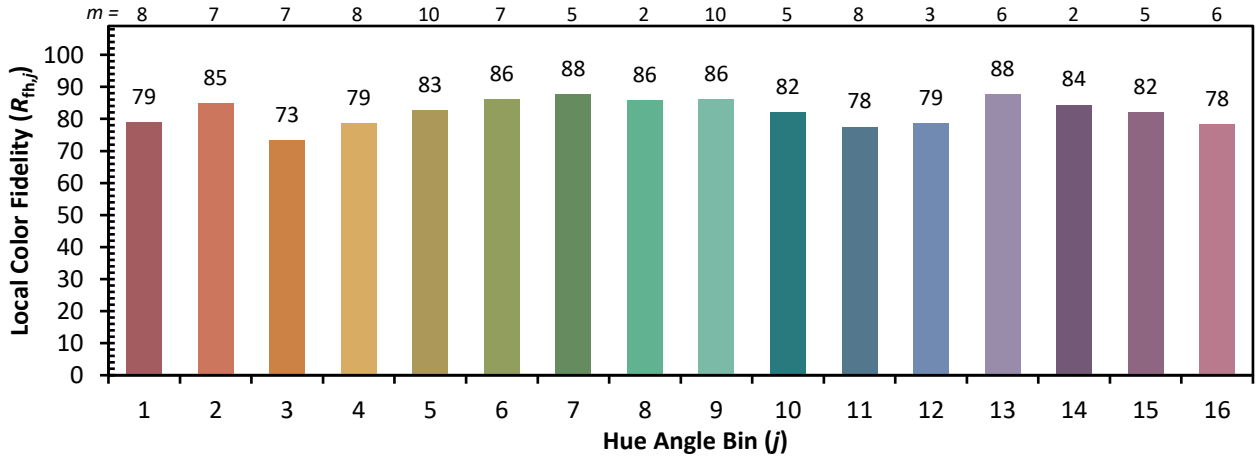
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Color Rendition by Hue-Angle Bin



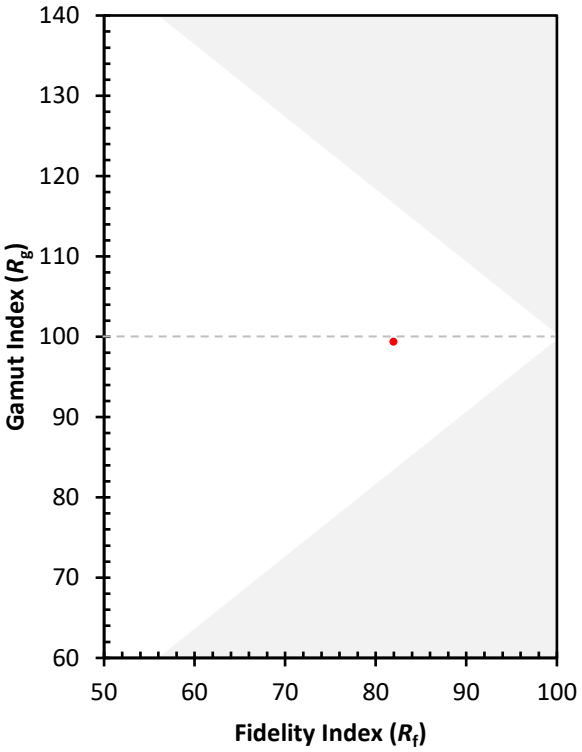


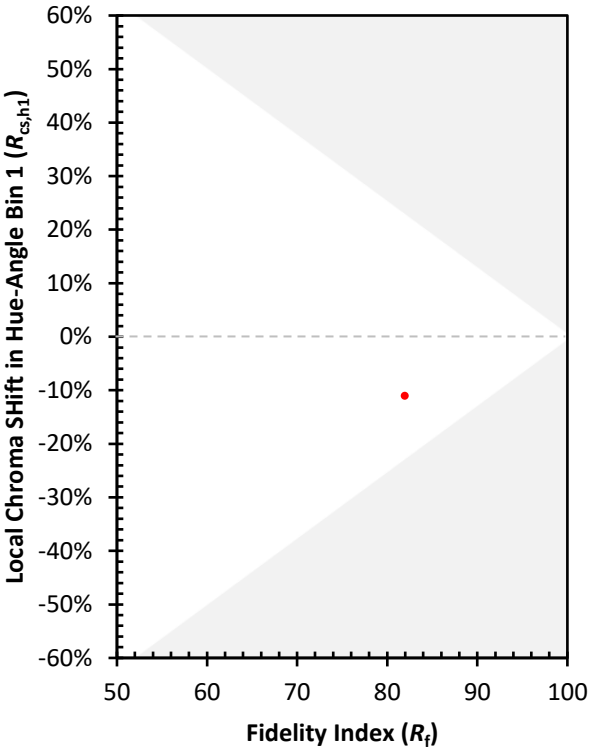


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Measure Comparisons





(END OF REPORT)