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: P1501806

Luminaire Tested: GSS-SB1B-735-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:	P1501806
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4160.9 lumens
Efficiency:	N/A
Efficacy:	104.0 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

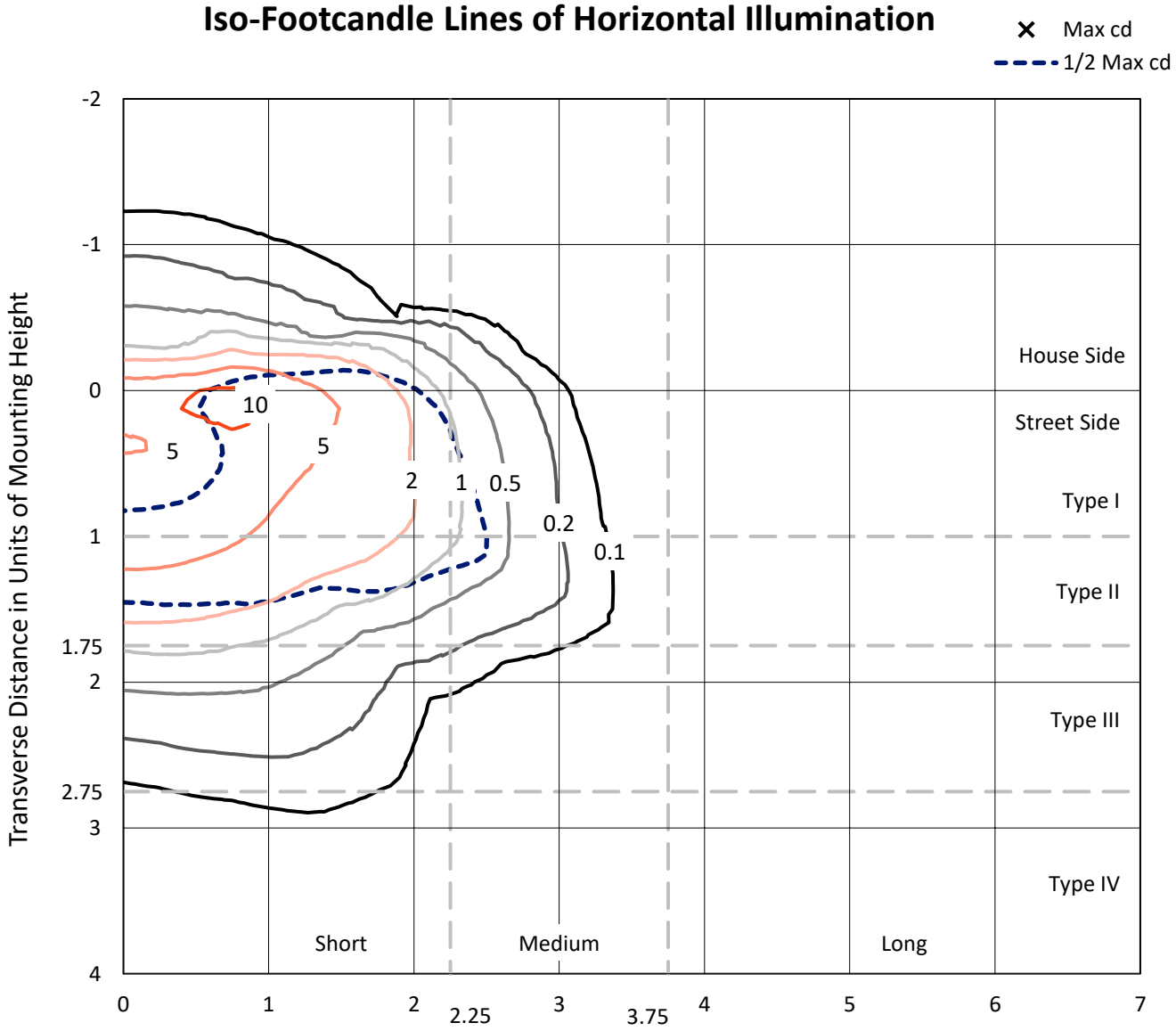
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



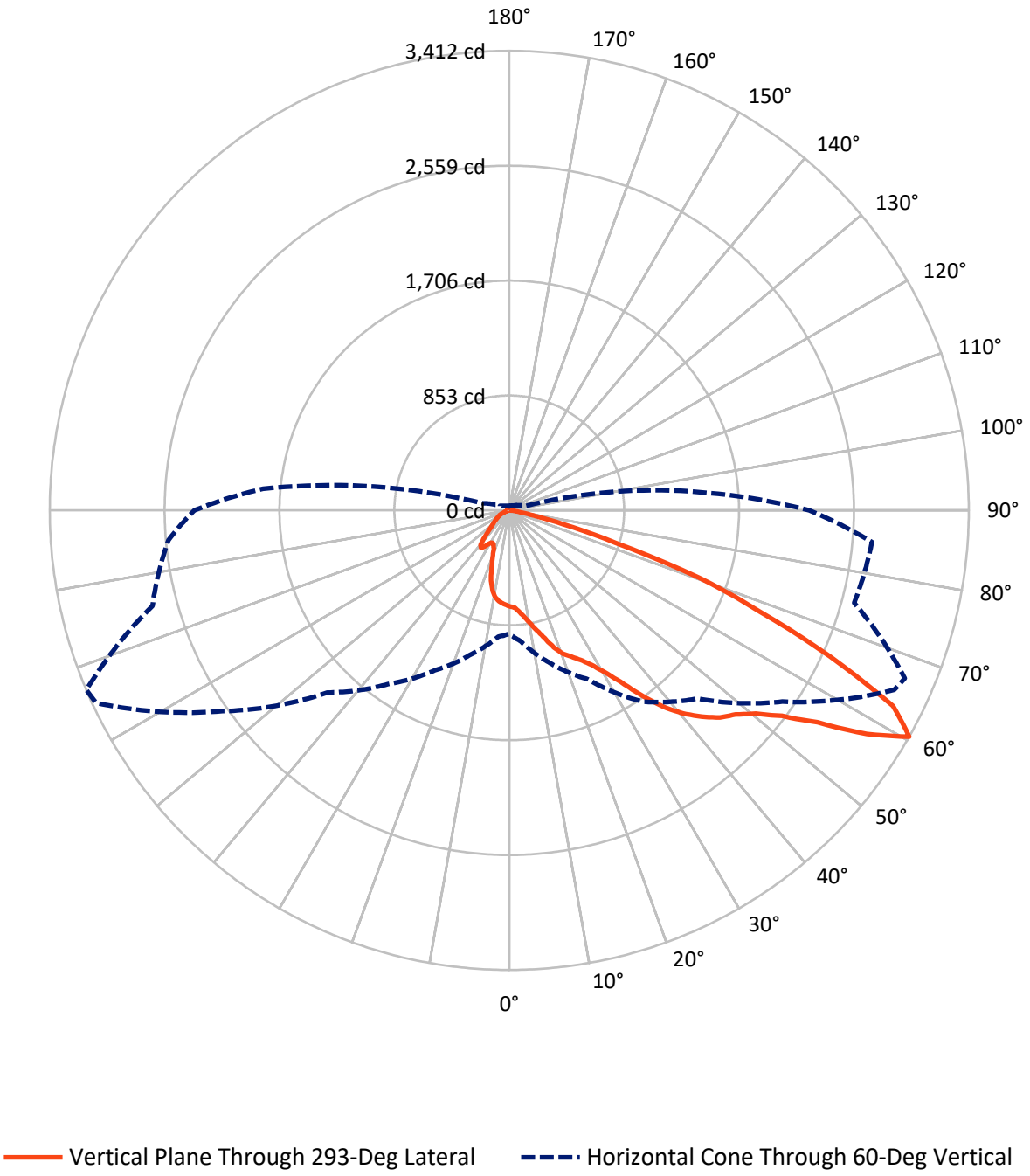
Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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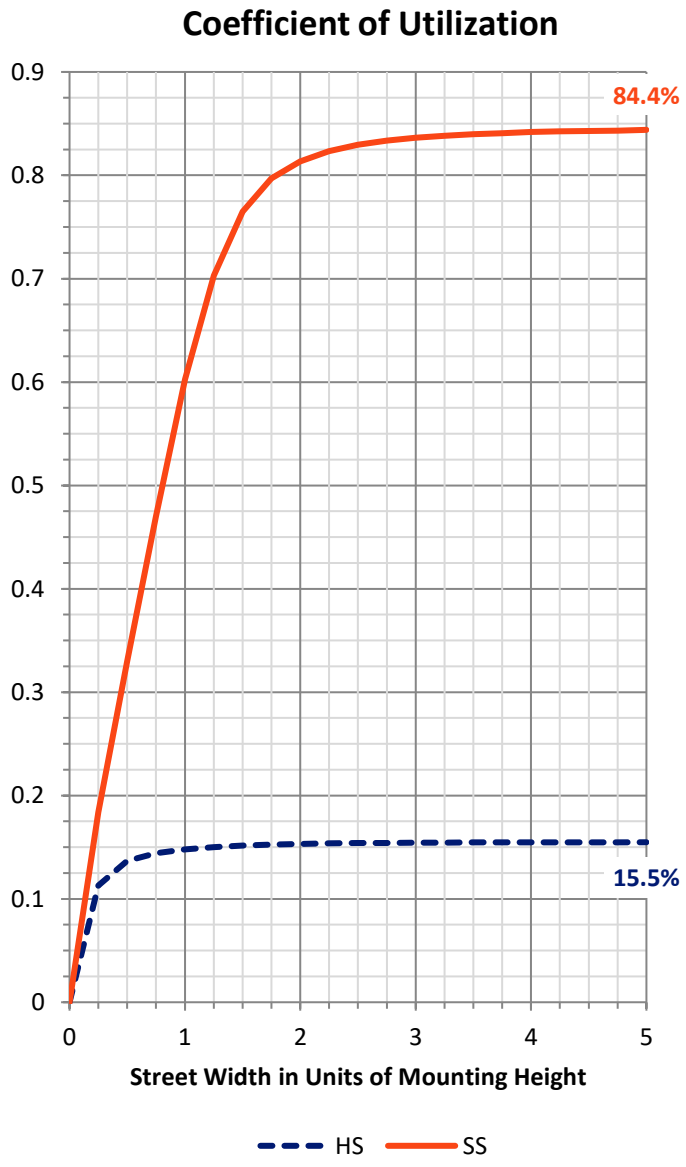
REPORT NUMBER: P1501806
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.2	0.0	649.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3511.7	0.0	3511.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	4160.9	0.0	4160.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	1.6
10°-20°	162.6	3.9
20°-30°	303.6	7.3
30°-40°	602.1	14.5
40°-50°	959.9	23.1
50°-60°	1146.9	27.6
60°-70°	751.8	18.1
70°-80°	157.5	3.8
80°-90°	11.9	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4160.9	100.0
0°-180°	4160.9	100.0



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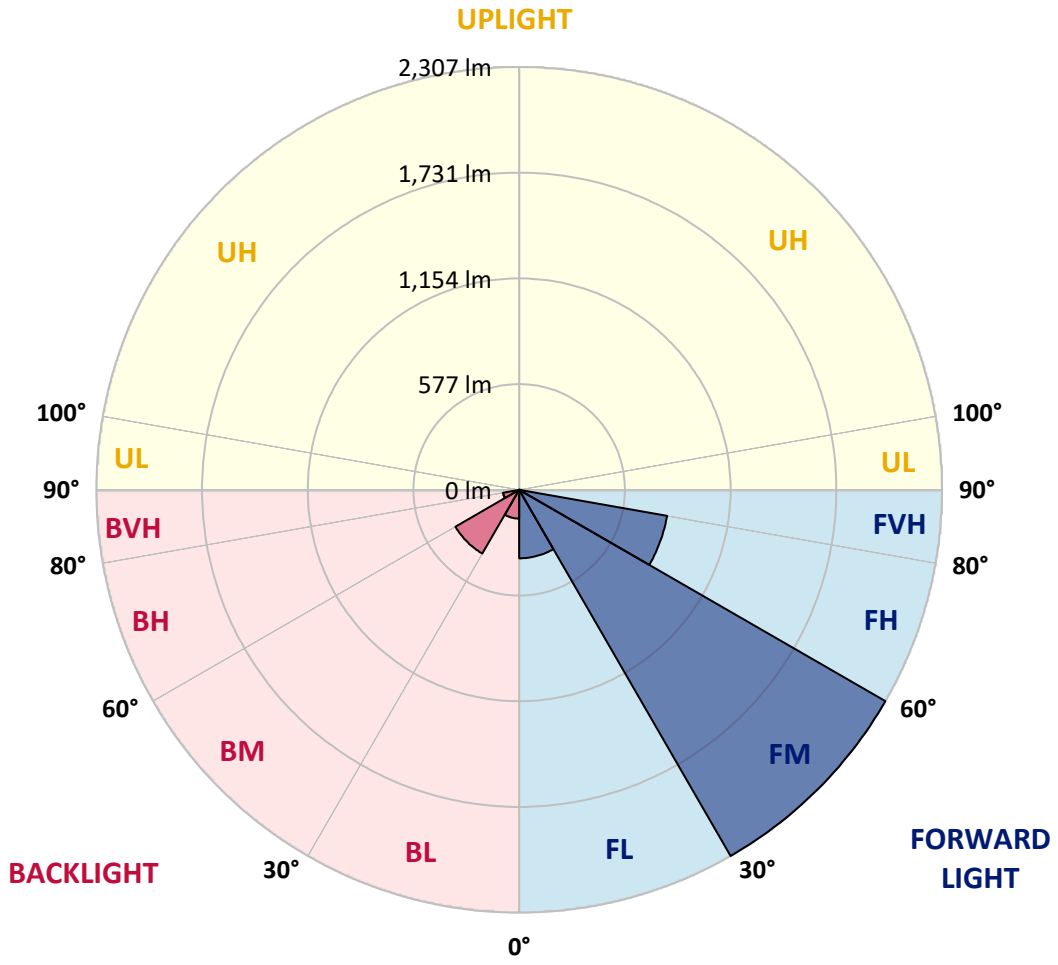
Scaled Data Report

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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°)	373.7	9.0			
FM	(30°-60°)	2307.4	55.5			
FH	(60°-80°)	819.7	19.7			G1/1800
FVH	(80°-90°)	10.9	0.3			G1/100
BL	(0°-30°)	157.1	3.8	B1/500		
BM	(30°-60°)	401.5	9.6	B1/1000		
BH	(60°-80°)	89.7	2.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1
2.5°	749.3	746.9	743.4	744.6	743.4	738.8	731.8	726.0	730.6	723.6	719.0
5°	771.4	771.4	769.1	769.1	770.2	767.9	763.2	755.1	756.2	750.4	735.3
7.5°	771.4	767.9	773.7	779.6	790.0	795.9	798.2	793.5	795.9	784.2	764.4
10°	726.0	723.6	738.8	760.9	791.2	818.0	835.5	836.7	840.1	828.5	805.2
12.5°	629.2	624.6	654.9	696.8	758.6	820.3	869.3	887.9	896.1	891.4	858.8
15°	539.5	545.3	566.3	611.8	694.5	788.9	887.9	949.7	961.3	967.2	928.7
17.5°	530.2	531.4	538.3	560.5	623.4	737.6	890.3	1013.8	1030.1	1055.7	1003.3
20°	555.8	553.5	560.5	567.5	597.8	692.2	868.1	1075.5	1107.0	1161.8	1104.7
22.5°	603.6	603.6	607.1	611.8	626.9	688.7	858.8	1132.6	1186.2	1298.1	1231.7
25°	684.0	674.7	677.0	671.2	684.0	730.6	879.8	1178.1	1251.5	1449.6	1383.2
27.5°	808.7	812.2	791.2	759.7	766.7	806.4	931.0	1229.3	1319.1	1606.9	1537.0
30°	981.1	975.3	962.5	900.7	872.8	907.7	1025.4	1313.2	1410.0	1806.1	1742.1
32.5°	1116.3	1132.6	1110.5	1067.4	1024.3	1034.7	1158.3	1448.4	1520.7	1989.1	1954.1
35°	1279.4	1279.4	1284.1	1223.5	1194.4	1192.1	1324.9	1595.2	1667.5	2154.5	2179.0
37.5°	1499.7	1484.5	1458.9	1391.3	1369.2	1398.3	1481.0	1746.7	1824.8	2288.6	2353.8
40°	1685.0	1695.4	1691.9	1594.1	1550.9	1582.4	1655.8	1876.1	1936.6	2374.8	2494.8
42.5°	1866.7	1872.6	1857.4	1810.8	1747.9	1750.2	1810.8	1973.9	2035.7	2457.5	2627.6
45°	2003.1	2001.9	1991.4	1979.8	1942.5	1904.0	1914.5	2082.3	2135.9	2484.3	2699.9
47.5°	2046.2	2055.5	2064.8	2097.5	2123.1	2062.5	2008.9	2140.6	2189.5	2479.7	2726.7
50°	2006.6	2026.4	2071.8	2120.8	2208.2	2203.5	2088.1	2203.5	2251.3	2505.3	2758.2
52.5°	1918.0	1937.8	1998.4	2087.0	2218.6	2283.9	2235.0	2309.5	2365.5	2570.5	2823.4
55°	1711.8	1719.9	1844.6	1961.1	2166.2	2248.9	2392.3	2489.0	2535.6	2649.8	2909.6
57.5°	1393.6	1413.4	1535.8	1725.7	2019.4	2156.9	2482.0	2795.4	2794.3	2725.5	2928.3
60°	*917.1*	*975.3*	*1174.6*	*1384.3*	*1735.1*	*1976.3*	*2476.2*	*3154.3*	*3190.5*	*2650.9*	*2703.4*
62.5°	700.3	724.8	837.8	1012.6	1284.1	1638.3	2437.7	3261.5	3289.5	2450.5	2366.6
65°	526.7	557.0	665.4	821.5	906.6	1110.5	2186.0	2835.1	2873.5	2187.2	1839.9
67.5°	322.8	347.2	491.7	674.7	686.3	689.8	1475.2	2147.6	2161.5	1764.2	1238.7
70°	215.6	240.0	340.3	518.5	546.5	397.4	809.8	1625.5	1624.4	1207.2	752.8
72.5°	124.7	136.3	215.6	382.2	430.0	252.9	404.3	1033.6	988.1	567.5	351.9
75°	71.1	79.2	118.9	245.9	301.8	160.8	159.6	553.5	489.4	292.5	192.3
77.5°	43.1	46.6	65.3	160.8	181.8	108.4	88.6	257.5	248.2	171.3	101.4
80°	21.0	24.5	39.6	94.4	116.5	58.3	53.6	101.4	108.4	94.4	53.6
82.5°	7.0	9.3	22.1	36.1	75.7	23.3	22.1	55.9	59.4	55.9	25.6
85°	3.5	4.7	10.5	11.7	29.1	11.7	8.2	24.5	30.3	18.6	10.5
87.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1
2.5°	715.5	713.1	708.5	700.3	699.2	693.3	684.0	678.2	673.5	677.0	678.2
5°	728.3	722.5	708.5	686.3	663.0	639.7	617.6	591.9	574.5	572.1	567.5
7.5°	751.6	739.9	709.6	666.5	607.1	551.2	485.9	423.0	391.5	386.9	376.4
10°	788.9	769.1	719.0	631.6	517.4	400.8	301.8	234.2	195.8	188.8	191.1
12.5°	833.2	805.2	720.1	572.1	393.9	248.2	171.3	145.7	137.5	134.0	134.0
15°	890.3	849.5	719.0	495.2	265.7	159.6	137.5	127.0	123.5	121.2	121.2
17.5°	962.5	908.9	710.8	379.9	179.4	138.7	125.8	117.7	113.0	111.9	111.9
20°	1047.6	975.3	692.2	283.2	150.3	129.3	118.9	108.4	104.9	102.5	102.5
22.5°	1155.9	1055.7	656.0	220.2	142.2	123.5	111.9	100.2	96.7	94.4	94.4
25°	1281.8	1158.3	608.3	198.1	141.0	118.9	104.9	93.2	89.7	88.6	87.4
27.5°	1430.9	1267.8	564.0	199.3	143.3	115.4	97.9	87.4	83.9	80.4	81.6
30°	1606.9	1380.8	527.9	213.2	145.7	111.9	93.2	83.9	80.4	75.7	75.7
32.5°	1780.5	1513.7	524.4	238.9	153.8	109.5	88.6	79.2	75.7	72.2	72.2
35°	1958.8	1634.8	544.2	272.7	170.1	106.0	82.7	74.6	71.1	68.7	67.6
37.5°	2128.9	1731.6	562.8	293.6	160.8	90.9	75.7	68.7	65.3	60.6	60.6
40°	2241.9	1784.0	566.3	277.3	132.8	81.6	68.7	61.8	57.1	54.8	53.6
42.5°	2324.7	1817.8	526.7	224.9	115.4	74.6	62.9	55.9	52.4	50.1	50.1
45°	2358.5	1806.1	459.1	171.3	106.0	68.7	57.1	51.3	48.9	46.6	46.6
47.5°	2353.8	1752.5	390.4	137.5	96.7	62.9	53.6	48.9	46.6	44.3	43.1
50°	2345.7	1702.4	320.4	122.4	86.2	59.4	50.1	46.6	43.1	40.8	39.6
52.5°	2399.3	1686.1	265.7	111.9	80.4	57.1	48.9	44.3	40.8	38.5	38.5
55°	2452.9	1693.1	208.6	104.9	74.6	55.9	47.8	43.1	39.6	36.1	36.1
57.5°	2449.4	1662.8	158.5	97.9	69.9	54.8	46.6	41.9	36.1	33.8	33.8
60°	*2226.8*	*1483.4*	*123.5*	*89.7*	*64.1*	*51.3*	*43.1*	*39.6*	*33.8*	*30.3*	*30.3*
62.5°	1883.0	1166.4	101.4	79.2	57.1	46.6	39.6	36.1	30.3	24.5	24.5
65°	1391.3	841.3	81.6	68.7	52.4	40.8	36.1	31.5	24.5	19.8	18.6
67.5°	941.5	517.4	65.3	57.1	46.6	35.0	30.3	26.8	22.1	16.3	15.1
70°	558.2	275.0	47.8	39.6	35.0	25.6	25.6	23.3	18.6	14.0	12.8
72.5°	265.7	95.6	35.0	29.1	26.8	18.6	19.8	19.8	15.1	10.5	9.3
75°	135.2	46.6	23.3	21.0	17.5	14.0	16.3	15.1	10.5	7.0	7.0
77.5°	76.9	32.6	16.3	14.0	11.7	9.3	10.5	9.3	5.8	3.5	3.5
80°	43.1	23.3	10.5	9.3	7.0	5.8	5.8	4.7	3.5	1.2	1.2
82.5°	16.3	14.0	7.0	4.7	3.5	3.5	2.3	2.3	1.2	0.0	0.0
85°	7.0	3.5	3.5	2.3	2.3	1.2	1.2	1.2	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	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°	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1
2.5°	668.9	671.2	673.5	682.8	685.2	692.2	698.0	705.0	706.1	715.5	715.5
5°	576.8	575.6	595.4	624.6	643.2	668.9	688.7	709.6	721.3	736.4	743.4
7.5°	382.2	411.3	455.6	506.9	573.3	635.1	681.7	722.5	750.4	767.9	774.9
10°	189.9	206.2	252.9	336.8	449.8	575.6	674.7	750.4	795.9	815.7	828.5
12.5°	134.0	137.5	145.7	191.1	299.5	477.8	652.5	780.7	843.6	880.9	897.2
15°	120.0	122.4	125.8	138.7	185.3	356.6	612.9	814.5	918.2	961.3	982.3
17.5°	110.7	111.9	115.4	125.8	145.7	242.4	548.8	850.6	1007.9	1060.4	1100.0
20°	102.5	102.5	106.0	118.9	135.2	186.4	456.8	891.4	1122.1	1197.9	1237.5
22.5°	93.2	95.6	97.9	111.9	131.7	170.1	370.5	922.9	1249.1	1341.2	1387.8
25°	86.2	88.6	90.9	104.9	128.2	170.1	320.4	942.7	1391.3	1500.8	1564.9
27.5°	80.4	82.7	86.2	100.2	124.7	177.1	300.6	948.5	1546.3	1688.4	1774.7
30°	75.7	78.1	81.6	96.7	127.0	185.3	307.6	940.4	1703.6	1881.9	1984.4
32.5°	71.1	73.4	76.9	93.2	127.0	195.8	330.9	924.0	1856.2	2075.3	2201.2
35°	67.6	68.7	69.9	83.9	115.4	194.6	360.1	907.7	2010.1	2266.4	2413.2
37.5°	60.6	61.8	64.1	72.2	92.1	177.1	365.9	887.9	2131.2	2427.2	2589.2
40°	53.6	55.9	58.3	66.4	76.9	143.3	340.3	846.0	2195.3	2550.7	2747.7
42.5°	48.9	50.1	52.4	60.6	71.1	114.2	285.5	772.6	2252.4	2634.6	2863.0
45°	45.4	46.6	48.9	54.8	66.4	99.0	224.9	682.8	2257.1	2661.4	2919.0
47.5°	41.9	43.1	44.3	50.1	64.1	88.6	172.5	601.3	2255.9	2696.4	2966.7
50°	39.6	40.8	43.1	47.8	60.6	79.2	142.2	534.9	2304.9	2772.1	3063.4
52.5°	38.5	38.5	41.9	46.6	57.1	72.2	118.9	475.4	2330.5	2846.7	3133.4
55°	36.1	37.3	39.6	44.3	53.6	68.7	101.4	400.8	2342.2	2884.0	3146.2
57.5°	33.8	35.0	38.5	41.9	51.3	65.3	87.4	299.5	2175.5	2689.4	2931.8
60°	*30.3*	*32.6*	*37.3*	*40.8*	*47.8*	*59.4*	*76.9*	*202.8*	*1835.3*	*2337.5*	*2540.2*
62.5°	24.5	29.1	33.8	36.1	43.1	50.1	65.3	135.2	1465.9	1934.3	2165.0
65°	18.6	24.5	28.0	31.5	36.1	41.9	54.8	92.1	977.6	1301.6	1561.4
67.5°	16.3	21.0	23.3	25.6	30.3	36.1	44.3	64.1	593.1	781.9	1038.2
70°	12.8	17.5	19.8	18.6	23.3	28.0	31.5	43.1	303.0	424.2	590.8
72.5°	9.3	14.0	15.1	15.1	14.0	19.8	23.3	30.3	131.7	206.2	268.0
75°	7.0	9.3	10.5	9.3	8.2	12.8	16.3	19.8	86.2	123.5	156.1
77.5°	3.5	3.5	5.8	5.8	3.5	7.0	8.2	11.7	48.9	72.2	89.7
80°	1.2	0.0	0.0	1.2	0.0	2.3	3.5	5.8	25.6	38.5	55.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	12.8	11.7	29.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	7.0
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: P1501806
CATALOG NUMBER: GSS-SB1B-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	713.1	*713.1*	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1
2.5°	721.3	*721.3*	726.0	732.9	736.4	738.8	739.9	742.3	751.6	749.3
5°	751.6	*753.9*	757.4	764.4	772.6	770.2	770.2	770.2	776.1	771.4
7.5°	791.2	*798.2*	799.4	807.5	801.7	790.0	783.0	772.6	771.4	771.4
10°	855.3	*853.0*	853.0	842.5	821.5	787.7	757.4	736.4	724.8	726.0
12.5°	924.0	*914.7*	915.9	877.4	818.0	743.4	681.7	636.2	632.7	629.2
15°	1009.1	*984.6*	980.0	891.4	765.6	651.4	590.8	554.7	543.0	539.5
17.5°	1130.3	*1068.5*	1046.4	866.9	696.8	594.3	548.8	532.5	531.4	530.2
20°	1258.5	*1136.1*	1094.2	830.8	673.5	595.4	561.7	557.0	554.7	555.8
22.5°	1407.6	*1179.2*	1125.6	836.7	694.5	633.9	607.1	603.6	601.3	603.6
25°	1561.4	*1229.3*	1162.9	883.3	757.4	705.0	673.5	666.5	673.5	684.0
27.5°	1716.4	*1296.9*	1236.3	975.3	858.8	801.7	771.4	797.0	807.5	808.7
30°	1853.9	*1391.3*	1335.4	1104.7	974.2	917.1	922.9	955.5	968.3	981.1
32.5°	1979.8	*1517.2*	1474.0	1251.5	1123.3	1089.5	1086.0	1110.5	1124.5	1116.3
35°	2106.8	*1681.5*	1639.5	1411.1	1306.2	1278.3	1249.1	1296.9	1292.3	1279.4
37.5°	2226.8	*1846.9*	1808.5	1582.4	1474.0	1425.1	1420.4	1463.6	1502.0	1499.7
40°	2313.0	*1980.9*	1934.3	1752.5	1650.0	1608.0	1632.5	1707.1	1697.8	1685.0
42.5°	2392.3	*2095.1*	2053.2	1901.7	1794.5	1813.1	1835.3	1885.4	1879.6	1866.7
45°	2429.5	*2193.0*	2156.9	2014.7	1962.3	2021.7	2020.5	2039.2	2007.7	2003.1
47.5°	2482.0	*2262.9*	2225.6	2116.1	2162.7	2187.2	2118.4	2098.6	2069.5	2046.2
50°	2578.7	*2371.3*	2334.0	2269.9	2309.5	2233.8	2149.9	2106.8	2047.3	2006.6
52.5°	2691.7	*2535.6*	2503.0	2477.3	2366.6	2210.5	2103.3	2025.2	1953.0	1918.0
55°	2833.9	*2778.0*	2754.7	2613.7	2315.4	2114.9	1989.1	1843.4	1744.4	1711.8
57.5°	2880.5	*3133.4*	3125.2	2635.8	2172.0	1941.3	1714.1	1517.2	1414.6	1393.6
60°	*2743.0*	*3411.9*	*3382.7*	*2598.5*	*1912.2*	*1575.4*	*1309.7*	*1108.2*	*941.5*	*917.1*
62.5°	2567.0	*3198.6*	3188.1	2410.9	1456.6	1129.1	978.8	790.0	719.0	700.3
65°	2198.8	*2617.2*	2621.8	1934.3	921.7	811.0	804.0	628.1	540.7	526.7
67.5°	1693.1	*2007.7*	1975.1	1216.5	537.2	649.0	642.1	459.1	332.1	322.8
70°	989.3	*1495.0*	1442.6	632.7	355.4	541.8	494.1	322.8	226.1	215.6
72.5°	437.0	*822.7*	883.3	278.5	250.5	431.1	356.6	198.1	127.0	124.7
75°	242.4	*407.8*	426.5	121.2	176.0	306.5	215.6	110.7	72.2	71.1
77.5°	145.7	*180.6*	176.0	78.1	131.7	195.8	130.5	62.9	45.4	43.1
80°	81.6	*82.7*	69.9	57.1	78.1	109.5	73.4	39.6	21.0	21.0
82.5°	50.1	*45.4*	36.1	17.5	21.0	66.4	26.8	22.1	7.0	7.0
85°	21.0	*14.0*	9.3	3.5	8.2	17.5	9.3	10.5	3.5	3.5
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

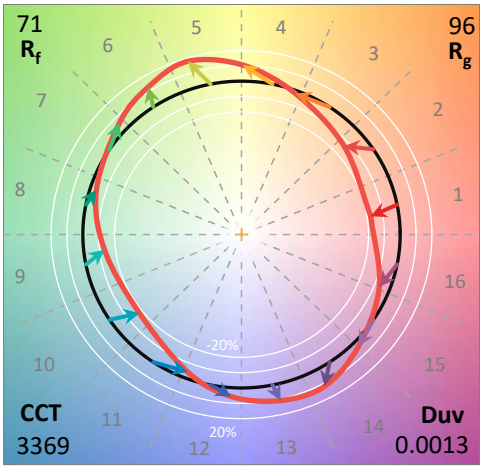
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

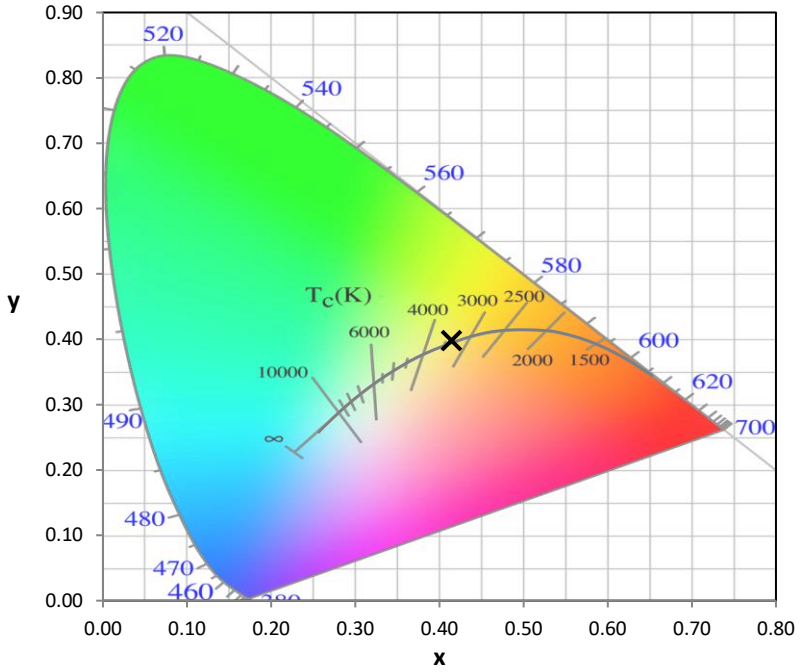
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

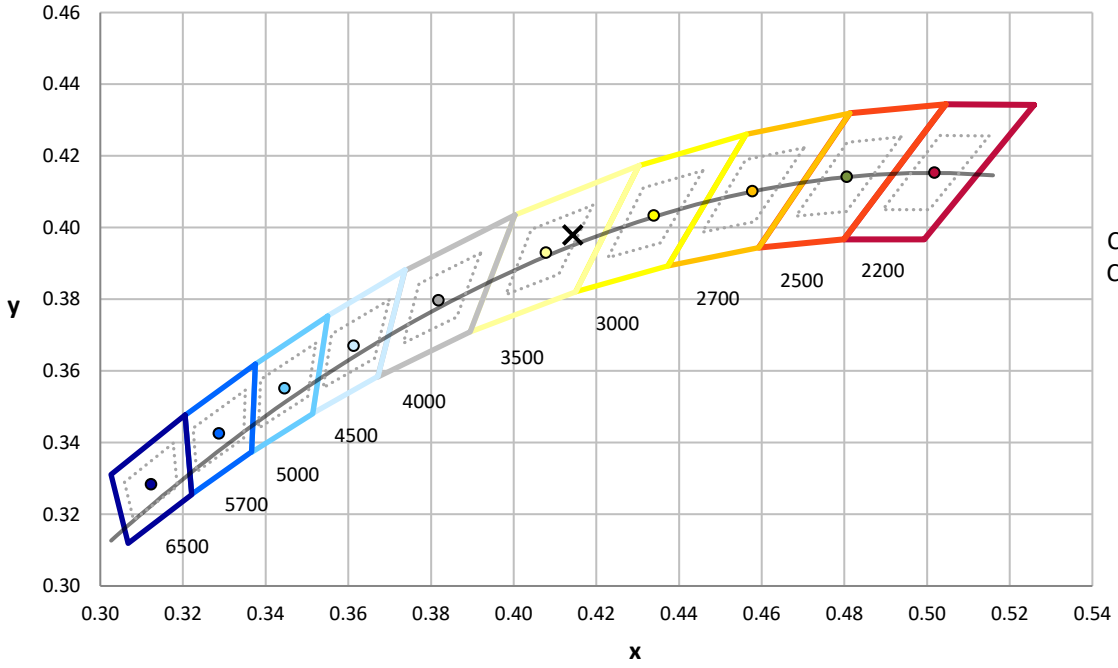
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

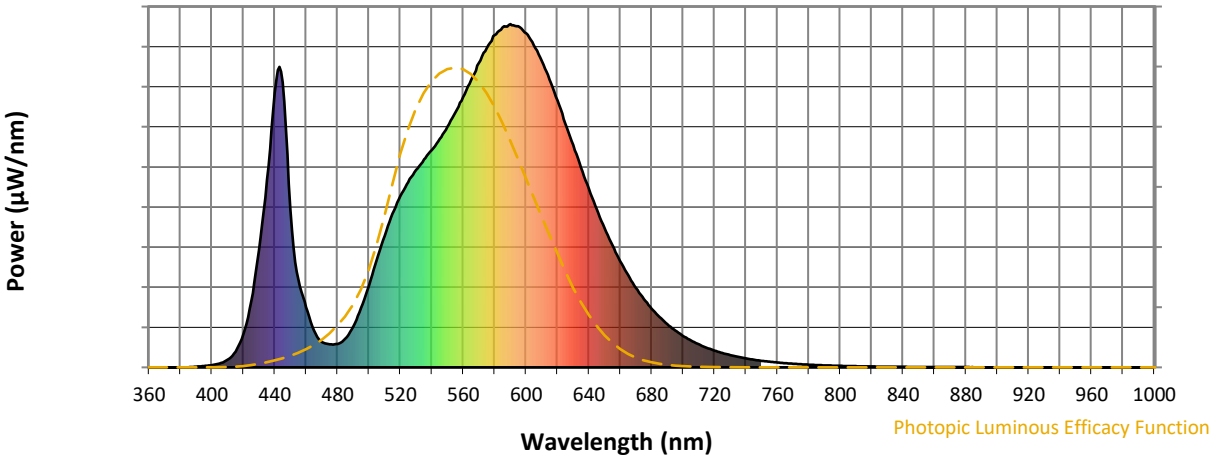


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

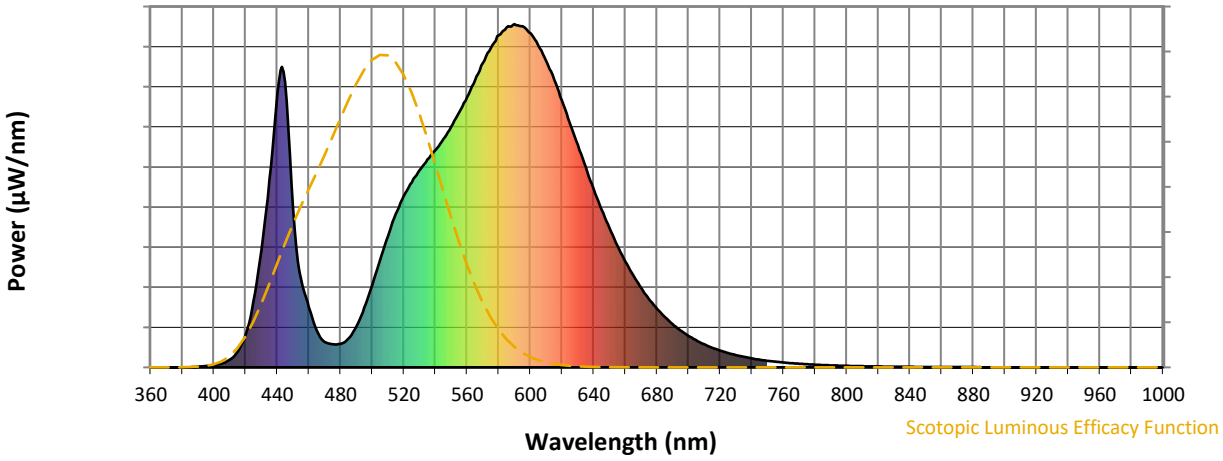


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

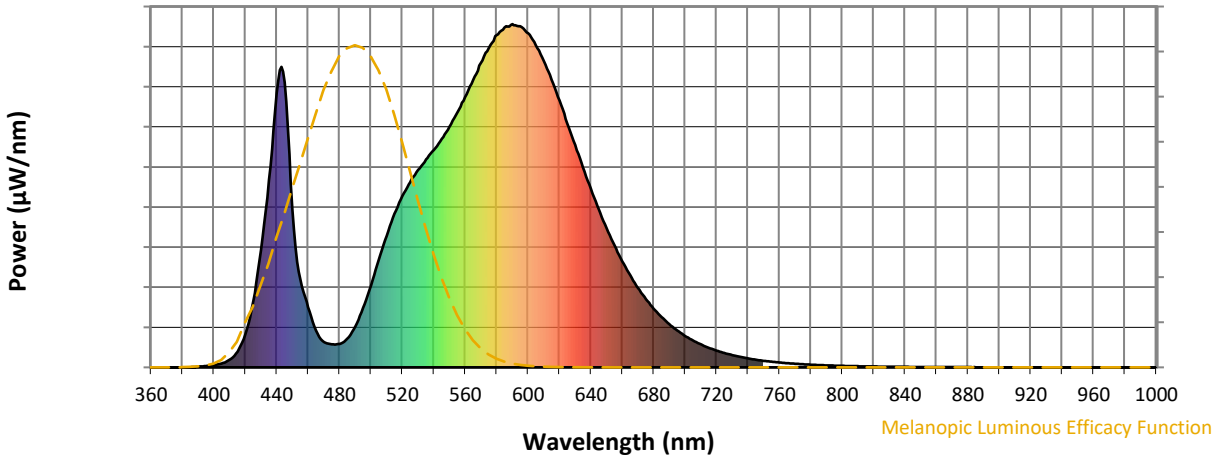


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

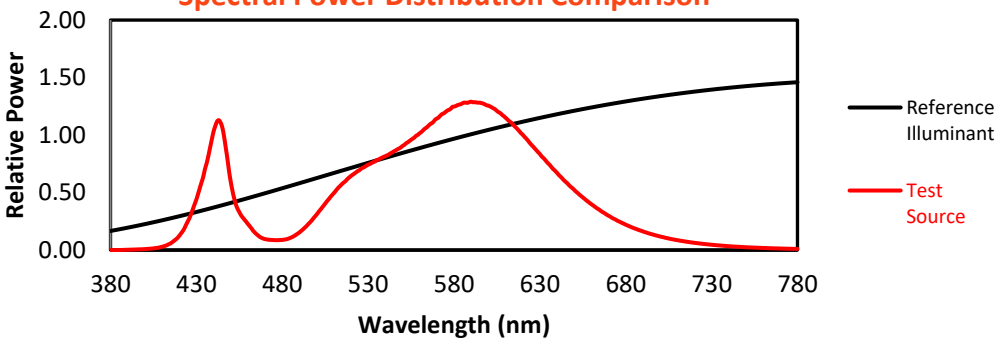
REPORT NUMBER: SP1-2407-184-5

TM-30-18

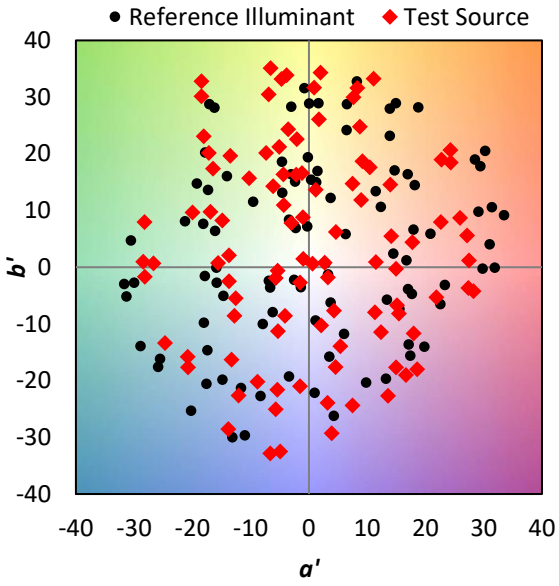
Summary

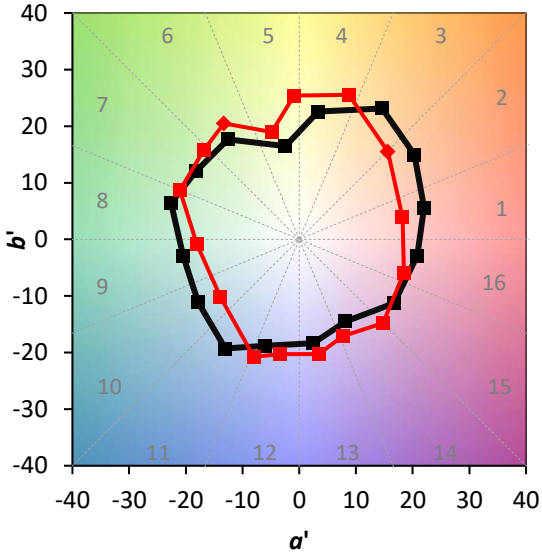
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

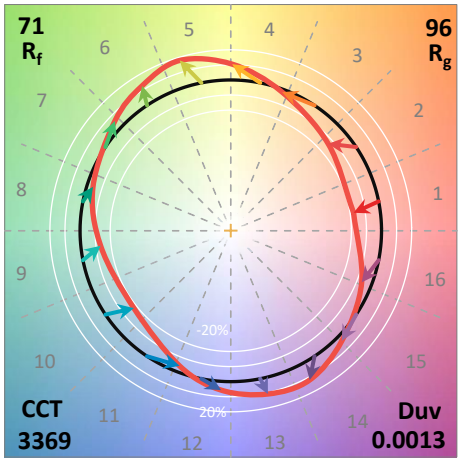
Spectral Power Distribution Comparison

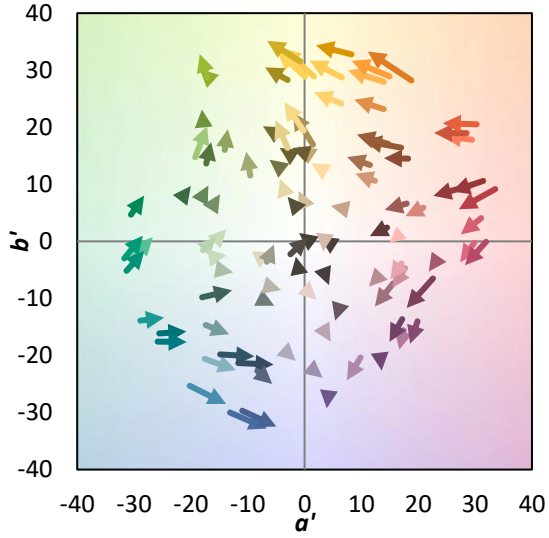


Color Vector Graphics







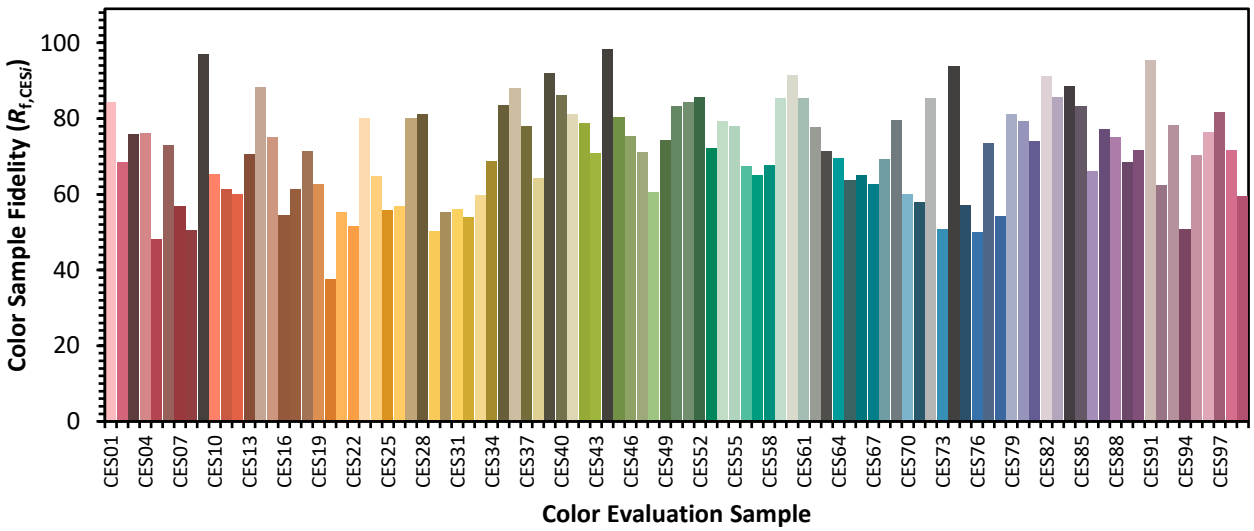


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

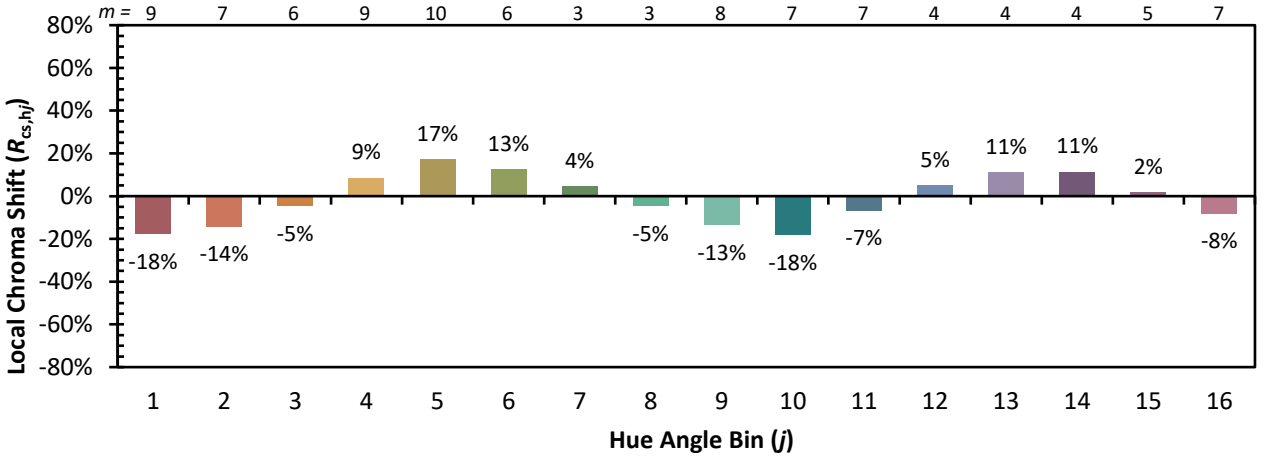
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CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

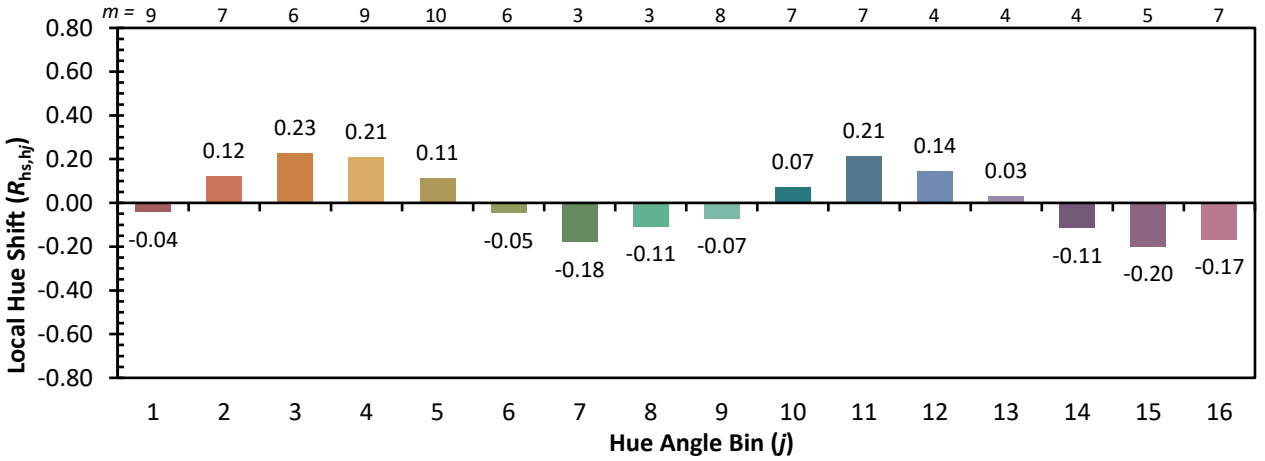


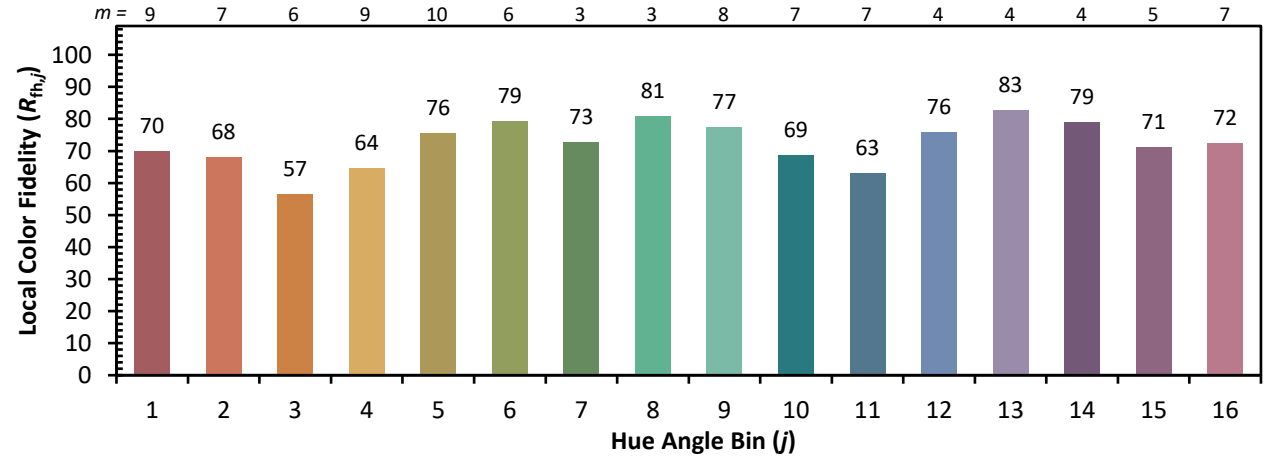
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Color Rendition by Hue-Angle Bin



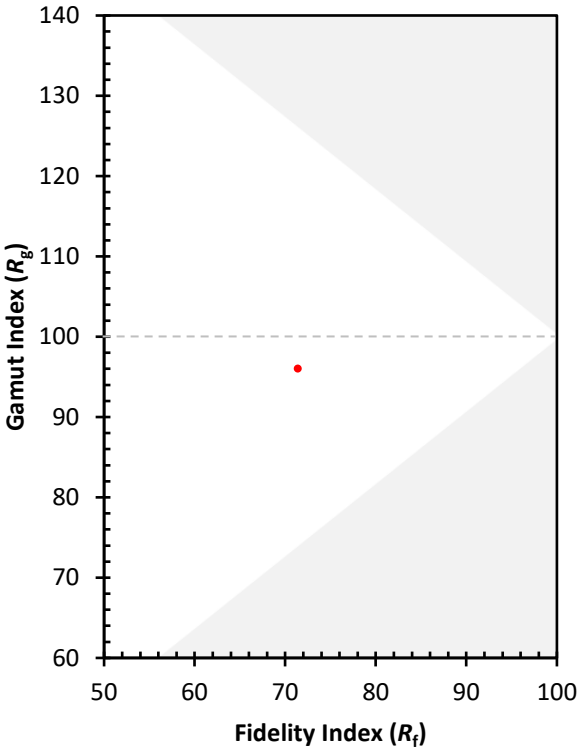


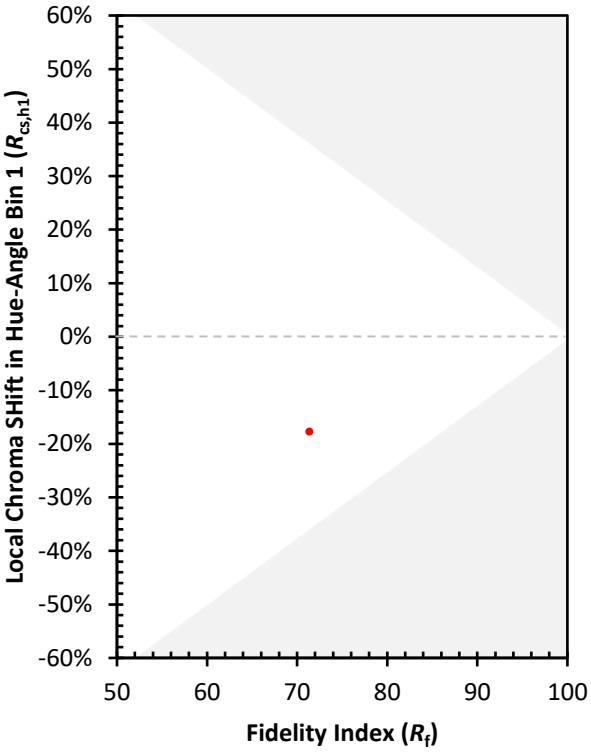


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Measure Comparisons





(END OF REPORT)