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: P1501430

Luminaire Tested: GSS-SB3B-735-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:	P1501430
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15724.4 lumens
Efficiency:	N/A
Efficacy:	144.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

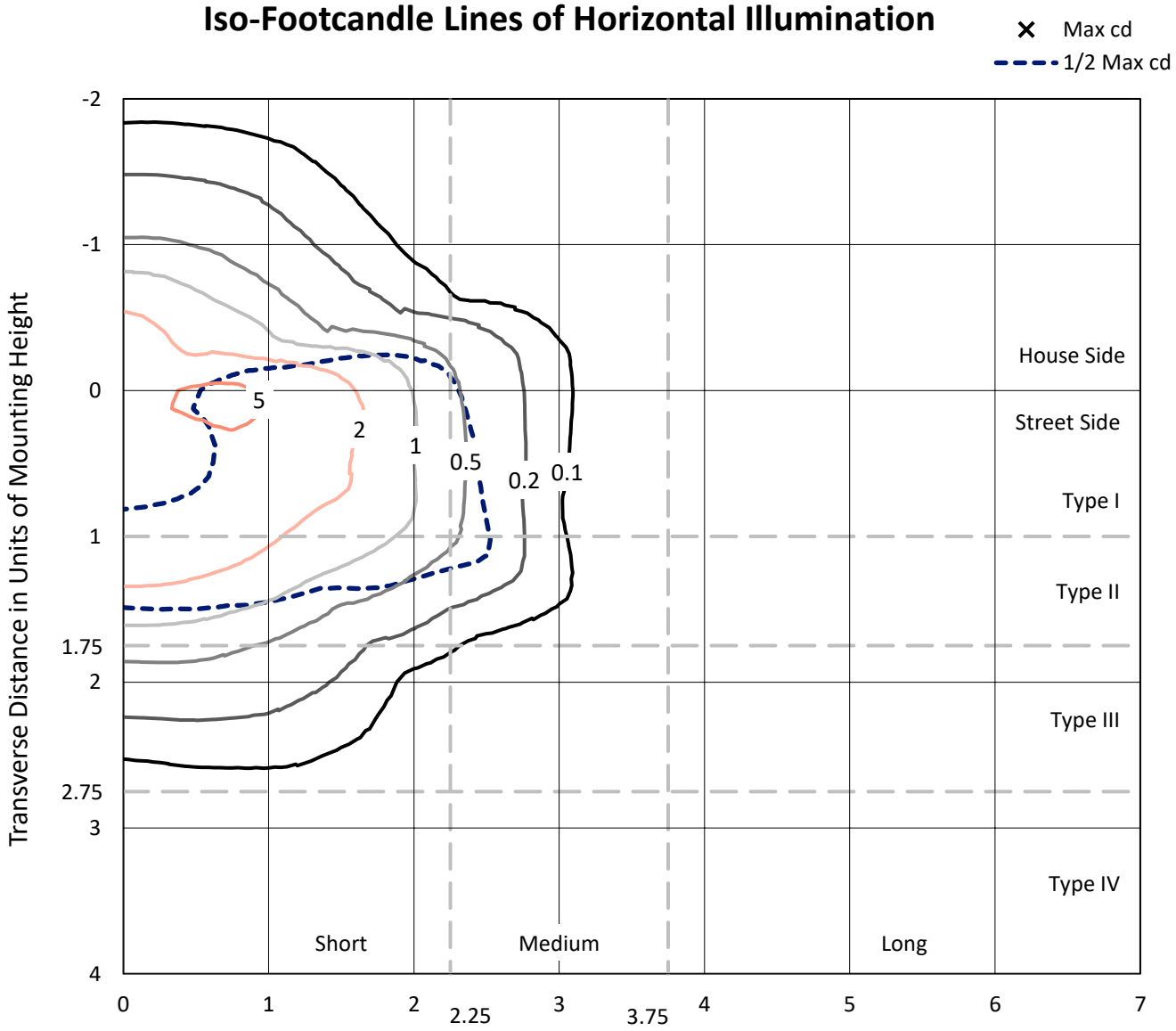
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



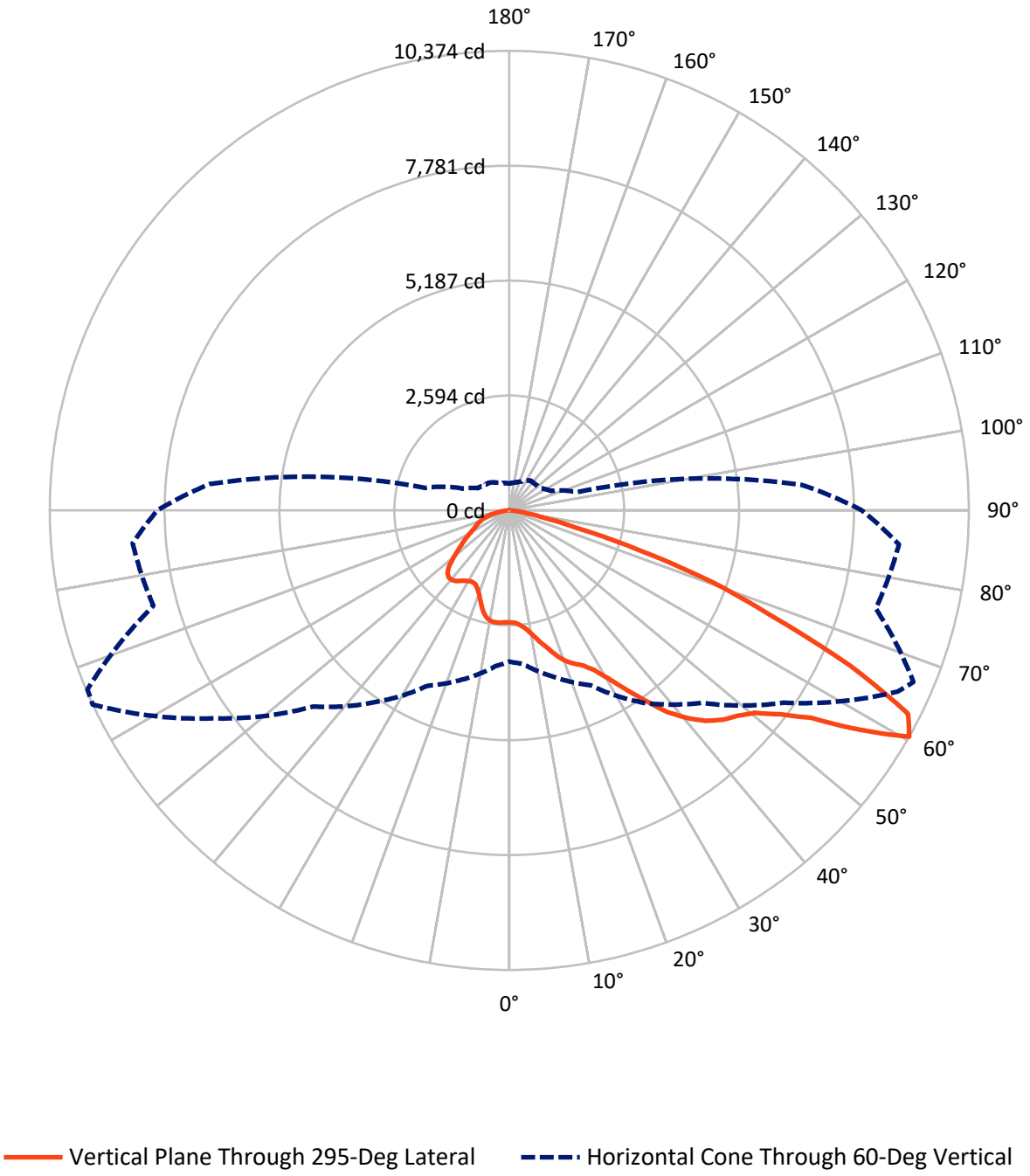
Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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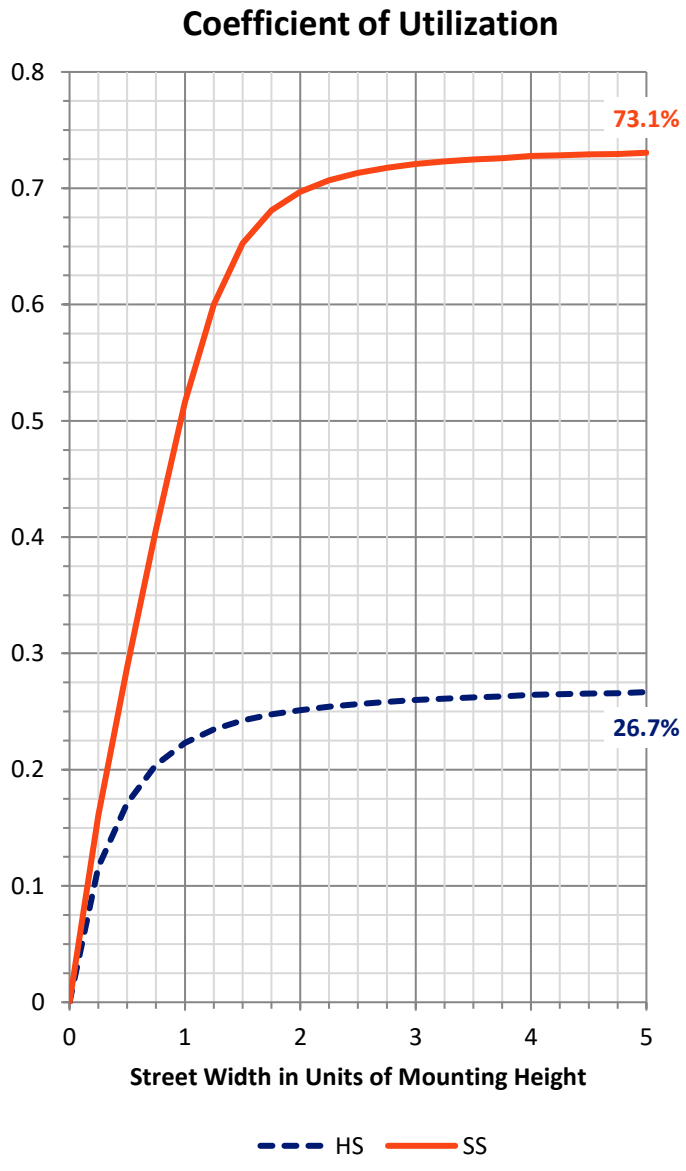
REPORT NUMBER: P1501430
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4228.5	0.0	4228.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	11495.9	0.0	11495.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	15724.4	0.0	15724.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	1.5
10°-20°	683.8	4.3
20°-30°	1295.3	8.2
30°-40°	2283.5	14.5
40°-50°	3377.1	21.5
50°-60°	3965.6	25.2
60°-70°	2873.2	18.3
70°-80°	886.1	5.6
80°-90°	122.0	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°	15724.4	100.0
0°-180°	15724.4	100.0



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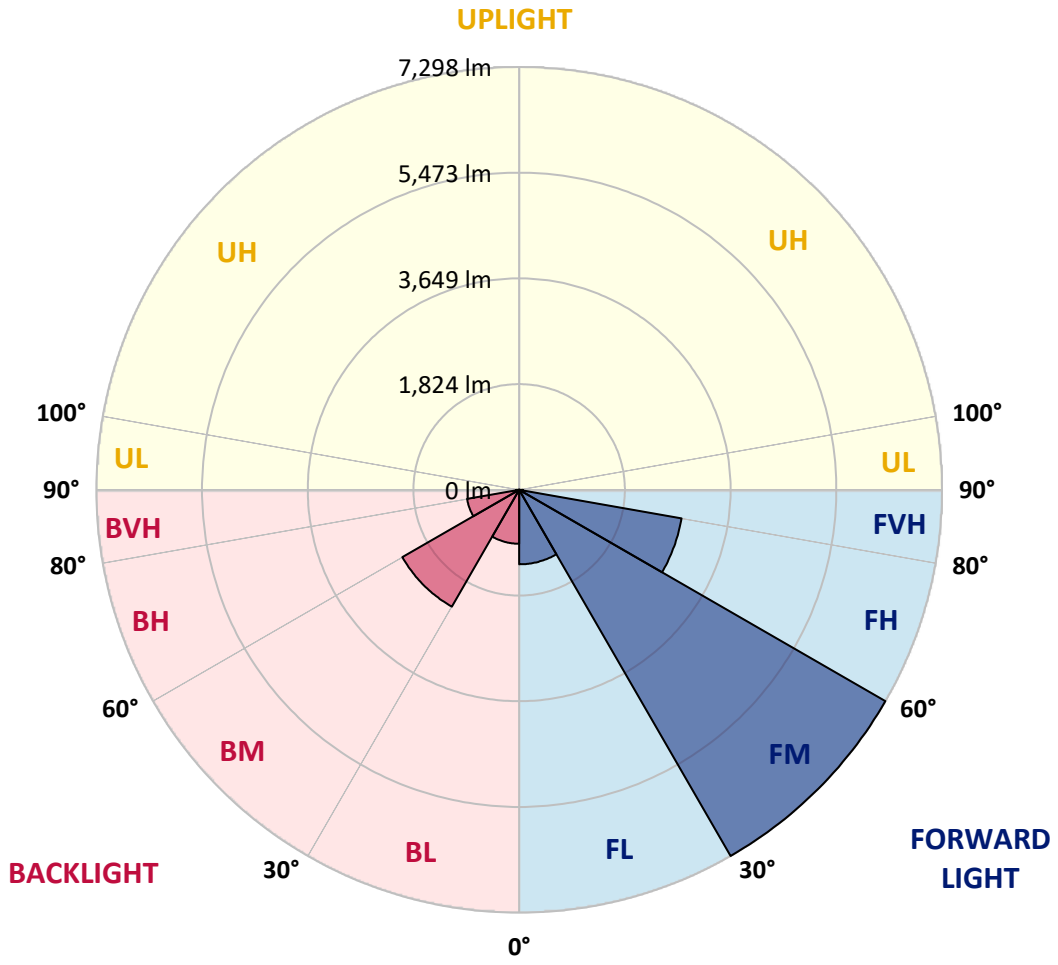
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1285.7	8.2			
FM	(30°-60°)	7297.8	46.4			
FH	(60°-80°)	2846.6	18.1			G2/5000
FVH	(80°-90°)	65.8	0.4			G1/100
BL	(0°-30°)	931.3	5.9	B2/1000		
BM	(30°-60°)	2328.3	14.8	B2/2500		
BH	(60°-80°)	912.7	5.8	B2/1000		G2/1000
BVH	(80°-90°)	56.2	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-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0
2.5°	2580.2	2587.3	2576.6	2583.7	2583.7	2573.0	2569.4	2555.1	2562.2	2558.7	2555.1
5°	2641.1	2644.7	2637.5	2648.2	2648.2	2651.8	2648.2	2630.3	2630.3	2630.3	2623.2
7.5°	2623.2	2623.2	2626.7	2662.6	2698.4	2745.0	2745.0	2737.8	2745.0	2741.4	2709.2
10°	2472.6	2487.0	2519.2	2608.8	2694.8	2795.2	2863.3	2884.8	2884.8	2888.3	2834.6
12.5°	2203.9	2214.6	2289.9	2426.1	2605.2	2788.0	2952.8	3060.3	3071.1	3089.0	3017.3
15°	1963.8	1970.9	2024.7	2164.5	2368.7	2691.2	3003.0	3225.2	3261.0	3336.3	3228.8
17.5°	1985.3	1981.7	1996.0	2049.8	2196.7	2533.6	2992.3	3418.7	3483.2	3615.8	3522.6
20°	2114.3	2114.3	2125.0	2135.8	2189.5	2418.9	2913.4	3576.4	3701.8	3959.8	3852.3
22.5°	2318.6	2318.6	2315.0	2332.9	2332.9	2469.1	2917.0	3694.6	3881.0	4343.3	4239.3
25°	2601.7	2587.3	2587.3	2594.5	2562.2	2659.0	3006.6	3816.5	4060.2	4798.4	4708.8
27.5°	2920.6	2931.3	2924.2	2899.1	2856.1	2931.3	3221.6	4006.4	4260.8	5278.6	5242.7
30°	3268.2	3271.8	3278.9	3264.6	3228.8	3282.5	3558.5	4293.1	4526.0	5780.3	5859.1
32.5°	3608.6	3658.8	3640.9	3605.0	3619.4	3716.1	3974.2	4680.1	4920.2	6246.1	6525.6
35°	4042.2	4060.2	4131.8	3999.2	4002.8	4167.7	4504.5	5189.0	5421.9	6729.9	7192.2
37.5°	4672.9	4705.2	4672.9	4465.1	4432.8	4662.2	5020.5	5690.7	5859.1	7095.4	7812.1
40°	5292.9	5332.3	5386.1	5142.4	4938.1	5128.1	5507.9	6074.1	6249.7	7296.1	8224.2
42.5°	5805.3	5869.8	5812.5	5740.8	5554.5	5590.3	5848.3	6371.5	6547.1	7550.5	8639.9
45°	6239.0	6249.7	6274.8	6224.6	6131.4	6099.2	6138.6	6633.1	6826.7	7665.2	8844.2
47.5°	6418.1	6464.7	6486.2	6572.2	6669.0	6604.5	6385.9	6755.0	6930.6	7658.0	8908.7
50°	6321.4	6368.0	6482.6	6686.9	6919.8	7034.5	6676.1	6923.4	7120.5	7787.0	9041.3
52.5°	6066.9	6117.1	6303.5	6536.4	6927.0	7188.6	7084.7	7274.6	7464.5	8016.4	9263.5
55°	5450.6	5525.8	5787.4	6174.4	6712.0	7106.2	7514.7	7790.6	7998.5	8292.3	9492.8
57.5°	4554.7	4633.5	4927.4	5507.9	6314.2	6765.7	7640.1	8758.2	8851.4	8622.0	9514.3
60°	*3411.5*	*3476.0*	*3891.7*	*4357.6*	*5303.6*	*6142.2*	*7568.4*	*9675.6*	*9912.1*	*8564.7*	*8829.9*
62.5°	2702.0	2780.8	3149.9	3364.9	4042.2	5074.3	7317.6	9930.0	10134.3	8091.6	7876.6
65°	2110.7	2164.5	2508.5	2816.7	2981.5	3465.3	6271.2	8686.5	8869.3	7321.2	6500.6
67.5°	1394.0	1476.4	1884.9	2307.8	2393.8	2203.9	4314.6	6683.3	6769.3	5819.7	4888.0
70°	999.8	1039.2	1343.8	1795.4	1924.4	1476.4	2350.8	5060.0	5085.1	3906.1	3293.3
72.5°	680.9	688.0	913.8	1376.1	1533.8	1071.5	1293.7	3332.7	3246.7	1927.9	1884.9
75°	462.3	469.4	584.1	917.4	1085.8	745.4	842.1	1816.9	1745.2	1064.3	1143.2
77.5°	311.8	318.9	401.4	616.4	723.9	516.0	616.4	960.4	942.5	706.0	612.8
80°	236.5	247.3	297.4	394.2	505.3	301.0	351.2	455.1	462.3	376.3	311.8
82.5°	132.6	146.9	179.2	200.7	326.1	168.4	168.4	272.3	261.6	232.9	168.4
85°	57.3	60.9	71.7	75.3	132.6	71.7	60.9	118.3	121.8	114.7	53.8
87.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	14.3	14.3	14.3	14.3
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°	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0
2.5°	2537.2	2558.7	2537.2	2526.4	2526.4	2508.5	2501.3	2501.3	2476.2	2487.0	2479.8
5°	2594.5	2601.7	2576.6	2544.3	2501.3	2465.5	2415.3	2350.8	2311.4	2307.8	2311.4
7.5°	2684.1	2687.7	2619.6	2547.9	2440.4	2311.4	2157.3	2031.9	1920.8	1902.9	1924.4
10°	2809.5	2802.3	2702.0	2533.6	2307.8	2035.5	1798.9	1684.3	1619.8	1616.2	1612.6
12.5°	2977.9	2931.3	2777.2	2472.6	2078.5	1763.1	1641.3	1634.1	1652.0	1666.3	1669.9
15°	3171.4	3110.5	2838.2	2354.4	1845.5	1662.8	1669.9	1730.9	1752.4	1766.7	1766.7
17.5°	3411.5	3332.7	2906.3	2186.0	1727.3	1684.3	1734.4	1791.8	1827.6	1841.9	1838.4
20°	3730.5	3565.6	2960.0	2024.7	1695.0	1720.1	1763.1	1820.4	1856.3	1874.2	1874.2
22.5°	4049.4	3845.1	2970.8	1913.6	1695.0	1723.7	1763.1	1820.4	1859.9	1877.8	1874.2
25°	4483.0	4203.5	2974.3	1834.8	1698.6	1705.8	1741.6	1791.8	1849.1	1867.0	1874.2
27.5°	4945.3	4597.7	2992.3	1816.9	1684.3	1680.7	1705.8	1752.4	1809.7	1856.3	1859.9
30°	5518.7	5042.0	2999.4	1834.8	1687.8	1641.3	1659.2	1705.8	1766.7	1813.3	1827.6
32.5°	6081.3	5454.2	2985.1	1874.2	1695.0	1616.2	1619.8	1648.4	1712.9	1745.2	1770.3
35°	6676.1	5891.3	2960.0	1927.9	1698.6	1605.4	1573.2	1587.5	1630.5	1634.1	1644.8
37.5°	7142.0	6217.5	2884.8	1999.6	1705.8	1566.0	1501.5	1490.8	1472.8	1437.0	1444.2
40°	7525.4	6436.0	2759.3	2035.5	1687.8	1519.4	1411.9	1361.7	1293.7	1239.9	1250.7
42.5°	7801.4	6583.0	2608.8	2042.6	1659.2	1440.6	1308.0	1222.0	1146.7	1089.4	1093.0
45°	7923.2	6568.6	2447.6	1988.9	1591.1	1343.8	1211.2	1128.8	1046.4	985.5	978.3
47.5°	7926.8	6428.9	2225.4	1859.9	1476.4	1232.7	1121.6	1032.1	964.0	921.0	917.4
50°	7955.5	6350.0	2017.5	1673.5	1325.9	1114.5	1042.8	953.2	913.8	852.9	835.0
52.5°	8134.6	6479.0	1874.2	1469.3	1186.2	1028.5	974.7	895.9	831.4	792.0	788.4
55°	8424.9	6701.2	1795.4	1315.2	1053.6	946.1	910.2	842.1	784.8	745.4	734.6
57.5°	8460.8	6815.9	1702.2	1171.8	946.1	881.6	867.2	792.0	709.5	680.9	670.1
60°	*7959.1*	*6622.4*	*1587.5*	*1039.2*	*867.2*	*831.4*	*824.2*	*723.9*	*655.8*	*620.0*	*605.6*
62.5°	7274.6	6138.6	1411.9	917.4	806.3	781.2	752.5	673.7	587.7	548.3	537.5
65°	5945.1	5160.3	1200.5	835.0	745.4	716.7	709.5	602.0	544.7	523.2	519.6
67.5°	4504.5	4146.2	1057.1	774.0	680.9	670.1	645.0	609.2	584.1	559.0	551.9
70°	3185.8	2992.3	899.5	695.2	616.4	598.5	702.4	663.0	573.4	541.1	537.5
72.5°	1931.5	1877.8	777.6	623.5	530.4	559.0	648.6	598.5	516.0	476.6	462.3
75°	1218.4	1114.5	652.2	530.4	422.9	455.1	566.2	533.9	444.4	404.9	394.2
77.5°	663.0	616.4	490.9	433.6	333.3	369.1	494.5	440.8	354.8	387.0	344.0
80°	290.3	322.5	326.1	250.8	222.2	272.3	354.8	344.0	272.3	275.9	229.3
82.5°	139.8	182.8	211.4	172.0	125.4	161.3	236.5	197.1	182.8	172.0	164.8
85°	43.0	68.1	93.2	82.4	57.3	68.1	111.1	107.5	129.0	111.1	103.9
87.5°	14.3	14.3	10.8	10.8	10.8	14.3	17.9	10.8	3.6	3.6	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°	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0
2.5°	2476.2	2479.8	2479.8	2483.4	2483.4	2494.1	2508.5	2522.8	2512.1	2526.4	2530.0
5°	2304.2	2322.1	2336.5	2390.2	2433.2	2469.1	2508.5	2544.3	2555.1	2562.2	2580.2
7.5°	1899.3	1949.4	2042.6	2164.5	2300.6	2433.2	2522.8	2616.0	2630.3	2648.2	2673.3
10°	1616.2	1637.7	1702.2	1827.6	2071.3	2332.9	2551.5	2698.4	2759.3	2795.2	2820.3
12.5°	1662.8	1648.4	1637.7	1655.6	1813.3	2150.1	2533.6	2816.7	2931.3	2970.8	3003.0
15°	1773.9	1759.5	1720.1	1669.9	1687.8	1956.6	2472.6	2927.8	3110.5	3175.0	3243.1
17.5°	1838.4	1824.0	1791.8	1738.0	1691.4	1795.4	2358.0	3028.1	3393.6	3472.5	3569.2
20°	1874.2	1859.9	1827.6	1773.9	1720.1	1734.4	2211.0	3153.5	3716.1	3841.6	3984.9
22.5°	1881.4	1863.4	1827.6	1773.9	1741.6	1730.9	2071.3	3228.8	4063.7	4257.3	4422.1
25°	1877.8	1845.5	1798.9	1759.5	1741.6	1738.0	1974.5	3271.8	4440.0	4748.2	4934.5
27.5°	1852.7	1813.3	1766.7	1738.0	1730.9	1752.4	1931.5	3321.9	4880.8	5275.0	5572.4
30°	1824.0	1766.7	1709.4	1698.6	1716.5	1784.6	1967.4	3339.9	5343.1	5848.3	6152.9
32.5°	1748.8	1705.8	1648.4	1644.8	1687.8	1809.7	2049.8	3314.8	5751.6	6421.7	6805.2
35°	1641.3	1616.2	1583.9	1594.7	1662.8	1831.2	2107.1	3235.9	6124.3	6955.7	7403.6
37.5°	1451.3	1469.3	1487.2	1512.3	1598.3	1827.6	2132.2	3110.5	6432.5	7382.1	7955.5
40°	1239.9	1300.8	1358.2	1422.7	1537.3	1798.9	2139.4	2956.4	6611.6	7704.6	8446.4
42.5°	1107.3	1164.7	1236.3	1329.5	1454.9	1734.4	2132.2	2784.4	6669.0	7926.8	8758.2
45°	985.5	1053.6	1143.2	1239.9	1383.2	1641.3	2067.7	2598.1	6697.6	8030.7	8890.8
47.5°	921.0	960.4	1042.8	1139.6	1290.1	1526.6	1942.3	2461.9	6654.6	8052.2	9052.0
50°	845.7	899.5	953.2	1046.4	1193.3	1383.2	1791.8	2383.1	6726.3	8263.7	9306.5
52.5°	788.4	817.0	874.4	960.4	1067.9	1250.7	1648.4	2318.6	6923.4	8478.7	9571.6
55°	745.4	777.6	813.5	885.1	967.6	1118.1	1501.5	2221.8	7152.8	8708.0	9836.8
57.5°	677.3	698.8	749.0	824.2	878.0	989.1	1329.5	2107.1	7134.8	8528.8	9378.1
60°	*616.4*	*637.9*	*691.6*	*766.9*	*799.1*	*874.4*	*1161.1*	*1960.2*	*6790.8*	*7944.7*	*8532.4*
62.5°	548.3	573.4	637.9	691.6	720.3	777.6	985.5	1691.4	6074.1	7066.8	7543.4
65°	519.6	533.9	577.0	641.5	637.9	691.6	831.4	1329.5	4888.0	5400.4	5834.0
67.5°	551.9	573.4	566.2	584.1	573.4	602.0	745.4	1067.9	3841.6	4067.3	4318.2
70°	544.7	594.9	620.0	584.1	501.7	533.9	645.0	852.9	2748.6	2727.1	2716.3
72.5°	476.6	526.8	598.5	634.3	490.9	444.4	559.0	738.2	1763.1	1755.9	1587.5
75°	404.9	440.8	526.8	573.4	422.9	358.4	480.2	627.1	1053.6	1067.9	953.2
77.5°	372.7	354.8	440.8	505.3	344.0	275.9	387.0	473.0	580.5	587.7	544.7
80°	268.8	258.0	329.7	369.1	261.6	197.1	218.6	293.9	311.8	279.5	290.3
82.5°	172.0	175.6	197.1	236.5	161.3	107.5	150.5	197.1	168.4	136.2	161.3
85°	111.1	125.4	103.9	121.8	50.2	50.2	64.5	86.0	57.3	39.4	43.0
87.5°	0.0	0.0	7.2	14.3	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: P1501430
CATALOG NUMBER: GSS-SB3B-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2530.0	2530.0	*2530.0*	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0
2.5°	2540.7	2537.2	*2537.2*	2544.3	2562.2	2569.4	2580.2	2576.6	2587.3	2580.2
5°	2590.9	2594.5	*2605.2*	2608.8	2619.6	2633.9	2637.5	2633.9	2641.1	2641.1
7.5°	2691.2	2705.6	*2698.4*	2716.3	2702.0	2684.1	2655.4	2633.9	2616.0	2623.2
10°	2859.7	2852.5	*2848.9*	2816.7	2752.2	2659.0	2583.7	2501.3	2487.0	2472.6
12.5°	3046.0	3038.8	*3038.8*	2927.8	2745.0	2551.5	2379.5	2250.5	2207.5	2203.9
15°	3307.6	3261.0	*3218.0*	2985.1	2619.6	2289.9	2089.2	1988.9	1963.8	1963.8
17.5°	3633.7	3511.9	*3440.2*	2942.1	2415.3	2117.9	1999.6	1974.5	1967.4	1985.3
20°	4038.7	3730.5	*3626.5*	2845.3	2340.1	2139.4	2082.0	2085.6	2089.2	2114.3
22.5°	4483.0	3931.1	*3759.1*	2845.3	2415.3	2275.6	2246.9	2286.3	2297.1	2318.6
25°	4977.5	4110.3	*3877.4*	2995.8	2637.5	2533.6	2497.7	2537.2	2565.8	2601.7
27.5°	5533.0	4296.7	*4081.7*	3268.2	2924.2	2859.7	2820.3	2838.2	2877.6	2920.6
30°	6031.1	4608.4	*4393.4*	3683.9	3314.8	3235.9	3167.9	3196.5	3239.5	3268.2
32.5°	6471.9	4988.3	*4805.5*	4121.1	3762.7	3626.5	3551.3	3544.1	3630.1	3608.6
35°	6876.8	5436.2	*5260.6*	4619.2	4217.8	4049.4	3949.1	4078.1	4020.7	4042.2
37.5°	7195.8	5902.1	*5762.3*	5095.8	4690.9	4461.5	4400.6	4558.3	4647.9	4672.9
40°	7457.4	6307.0	*6160.1*	5568.8	5124.5	4956.0	5052.8	5314.4	5303.6	5292.9
42.5°	7658.0	6654.6	*6493.4*	5927.2	5540.2	5572.4	5647.7	5823.3	5866.3	5805.3
45°	7747.6	6873.2	*6744.2*	6210.3	6013.2	6199.5	6231.8	6307.0	6278.4	6239.0
47.5°	7851.5	7066.8	*6930.6*	6468.3	6525.6	6708.4	6643.9	6583.0	6479.0	6418.1
50°	8027.1	7296.1	*7181.4*	6844.6	7052.4	6991.5	6740.6	6604.5	6393.0	6321.4
52.5°	8360.4	7729.7	*7643.7*	7439.4	7299.7	6948.5	6643.9	6400.2	6163.7	6066.9
55°	8657.8	8317.4	*8267.2*	7994.9	7224.4	6722.7	6314.2	5937.9	5533.0	5450.6
57.5°	8829.9	9292.1	*9349.5*	8231.4	6880.4	6210.3	5608.2	5006.2	4622.8	4554.7
60°	*8317.4*	*10345.7*	*10374.4*	*8184.8*	*6260.5*	*5285.7*	*4368.3*	*3941.9*	*3529.8*	*3411.5*
62.5°	7611.5	10127.1	*10102.0*	7905.3	4984.7	3855.9	3318.4	3117.7	2798.7	2702.0
65°	6543.6	8435.7	*8464.3*	6830.2	3314.8	2788.0	2788.0	2533.6	2178.8	2110.7
67.5°	5332.3	6504.1	*6439.6*	4429.3	2035.5	2232.5	2340.1	1974.5	1476.4	1394.0
70°	3465.3	4966.8	*4877.2*	2555.1	1279.3	1859.9	1841.9	1483.6	1057.1	999.8
72.5°	1490.8	2870.4	*3053.2*	1304.4	964.0	1497.9	1469.3	1039.2	706.0	680.9
75°	899.5	1444.2	*1573.2*	831.4	702.4	1128.8	1017.7	659.4	480.2	462.3
77.5°	569.8	792.0	*784.8*	623.5	526.8	763.3	684.5	455.1	326.1	311.8
80°	329.7	390.6	*404.9*	390.6	354.8	544.7	437.2	329.7	254.4	236.5
82.5°	211.4	243.7	*247.3*	189.9	197.1	351.2	236.5	193.5	146.9	132.6
85°	93.2	103.9	*100.3*	64.5	64.5	143.3	82.4	78.8	57.3	57.3
87.5°	3.6	7.2	*3.6*	3.6	3.6	14.3	7.2	10.8	10.8	10.8
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

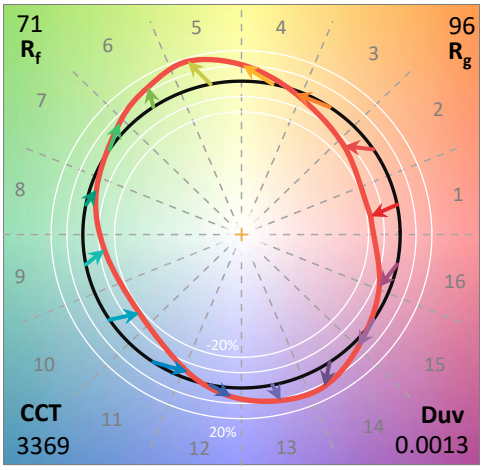
Test Information

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

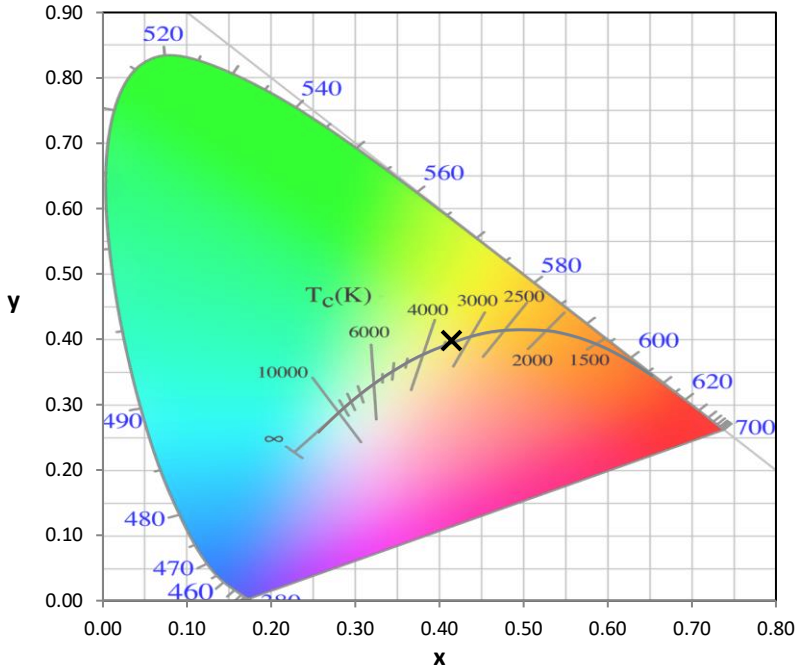
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

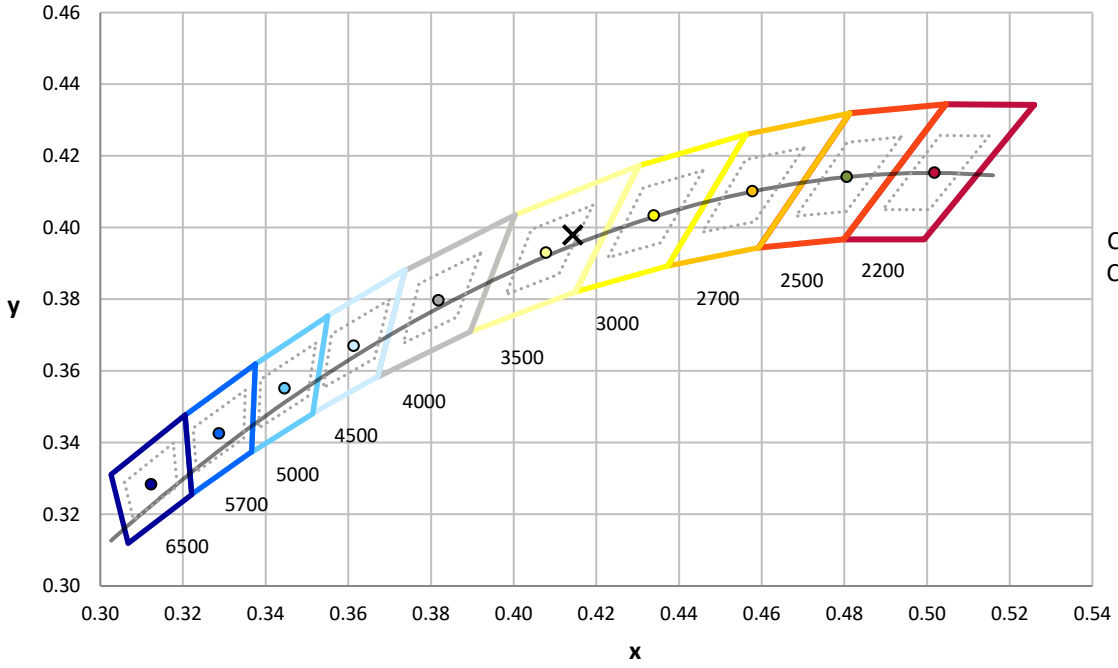
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

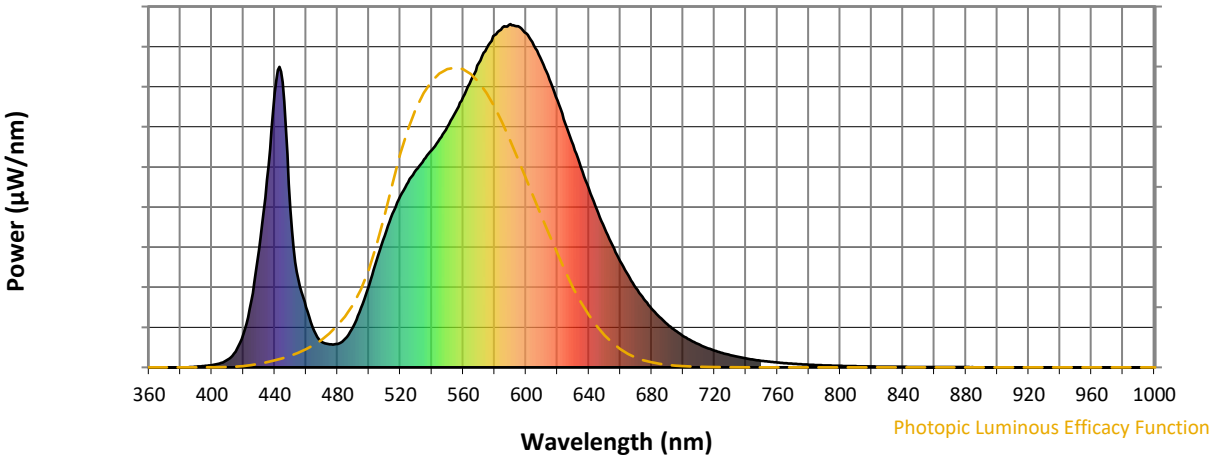


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

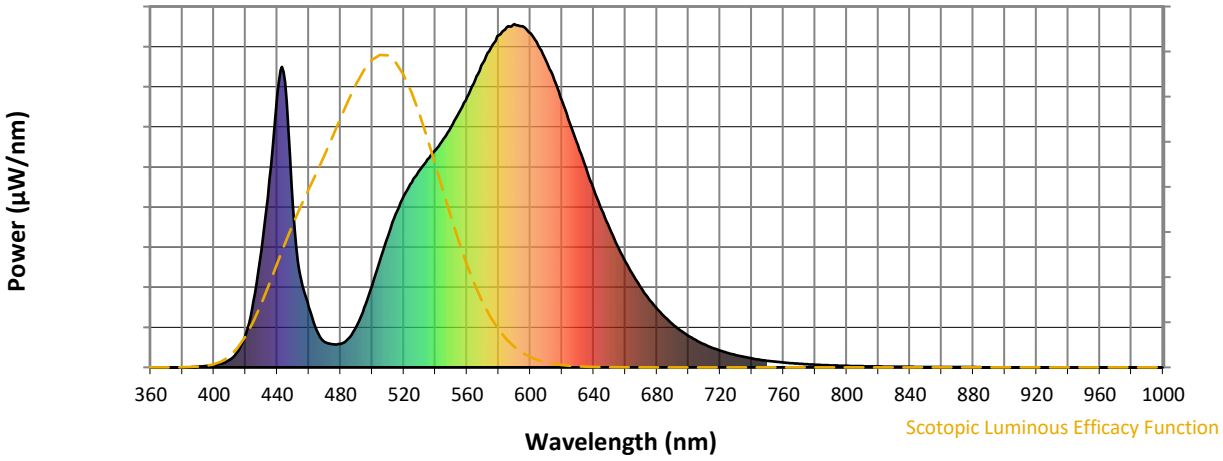


Photopic Lumens: NR

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

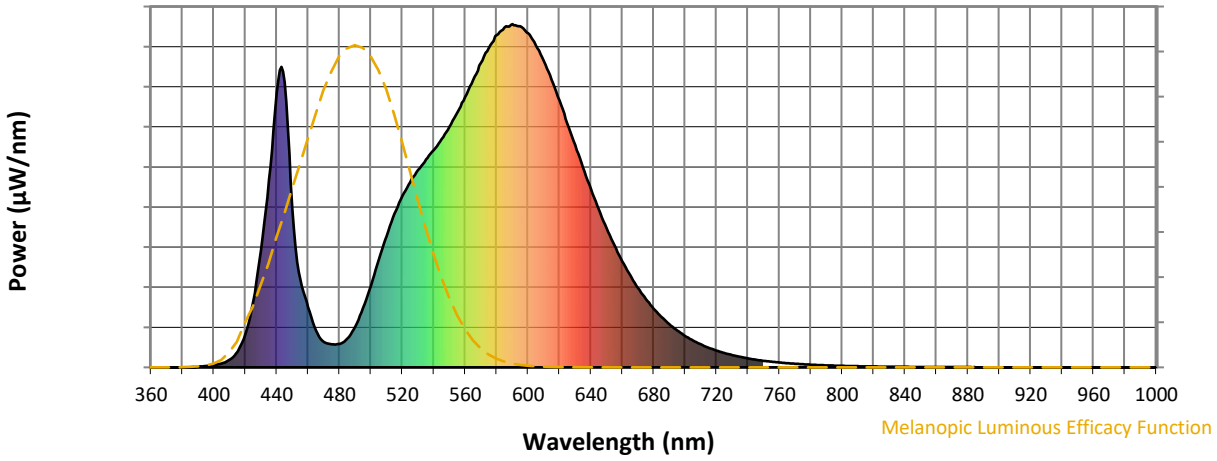


Scotopic Lumens: NR **S/P: 1.29**

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			

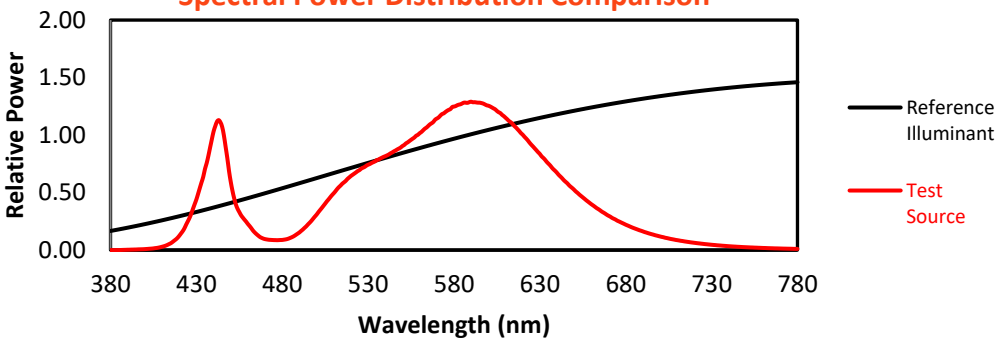
REPORT NUMBER: SP1-2407-184-5

TM-30-18

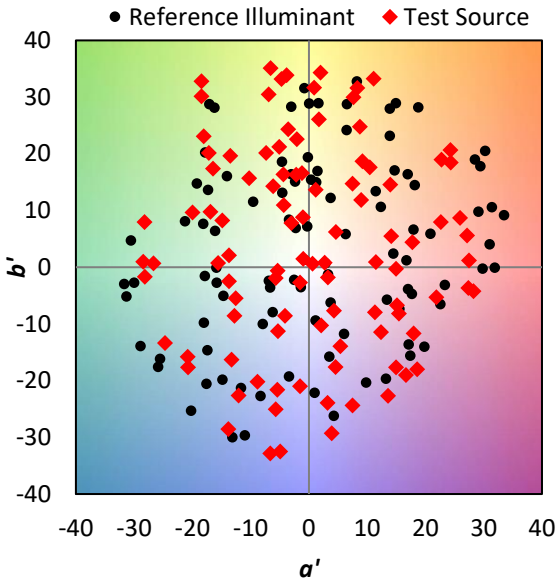
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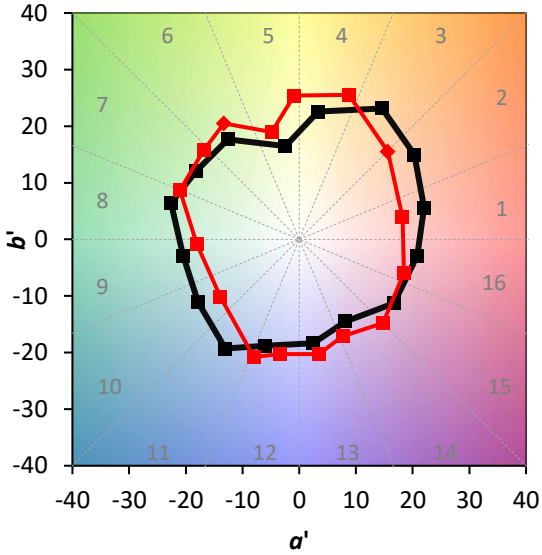
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

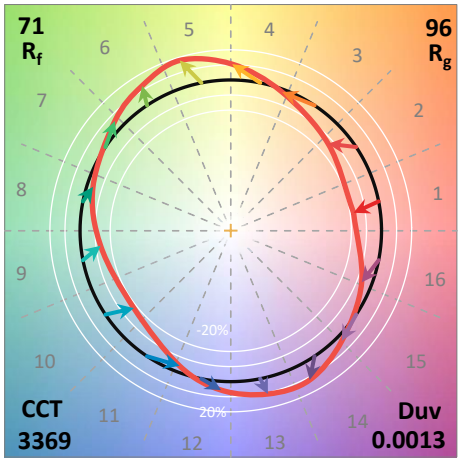
Spectral Power Distribution Comparison

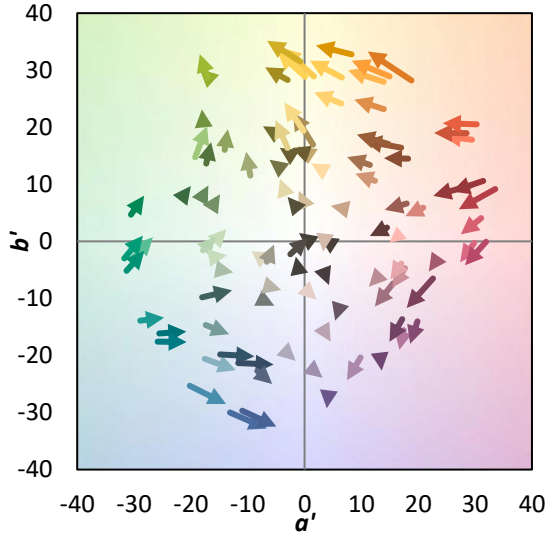


Color Vector Graphics







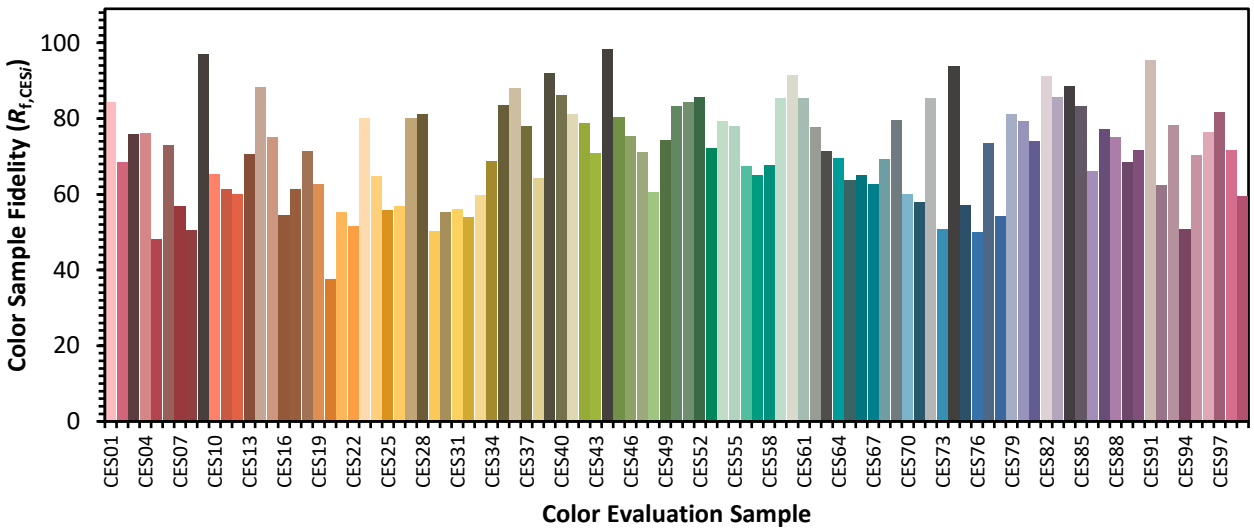


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Individual Sample Fidelity Index ($R_{f,i}$)

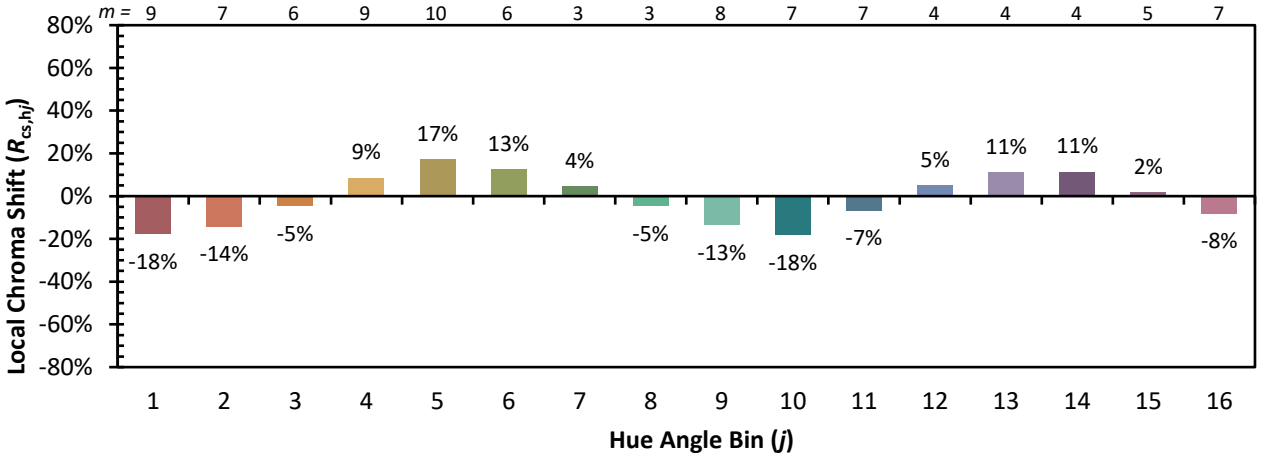
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	

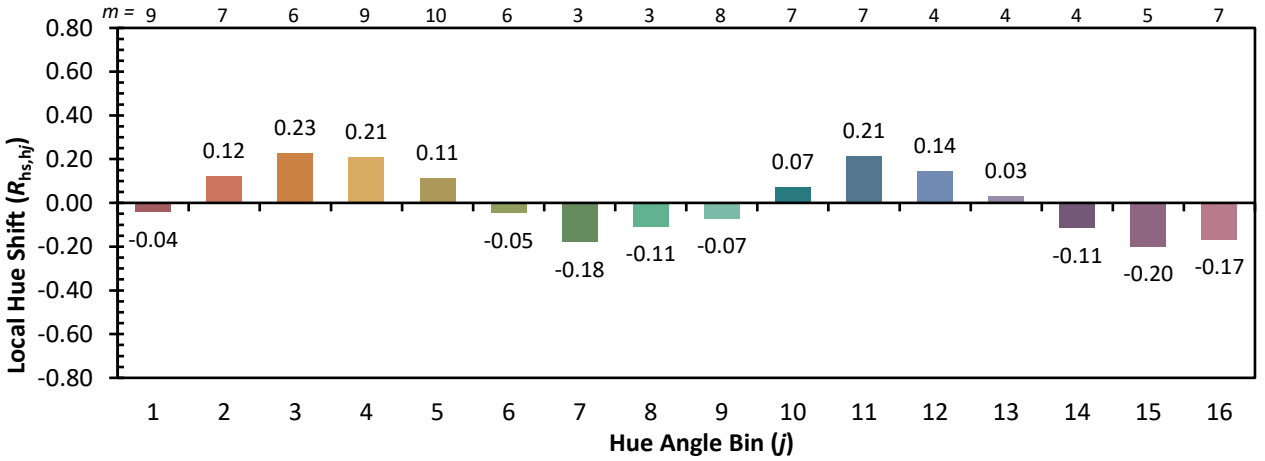


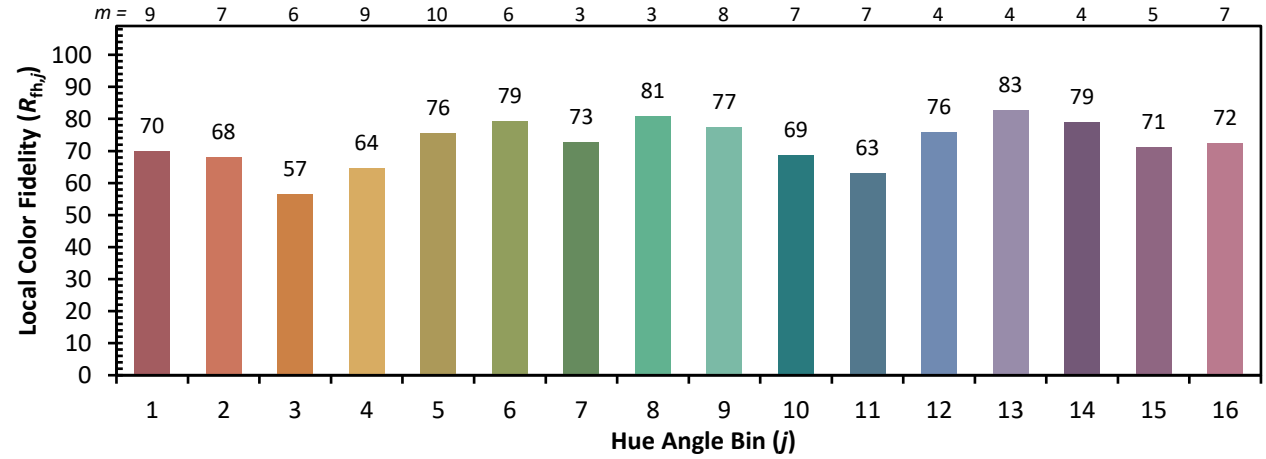
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Color Rendition by Hue-Angle Bin



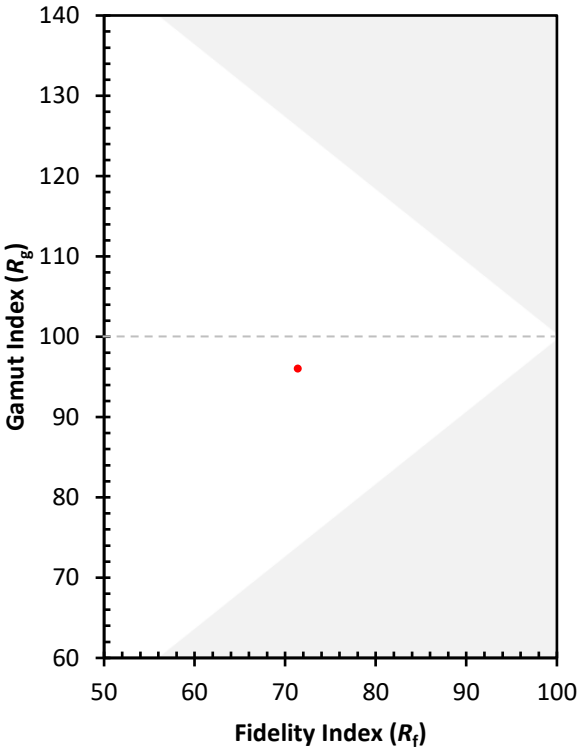


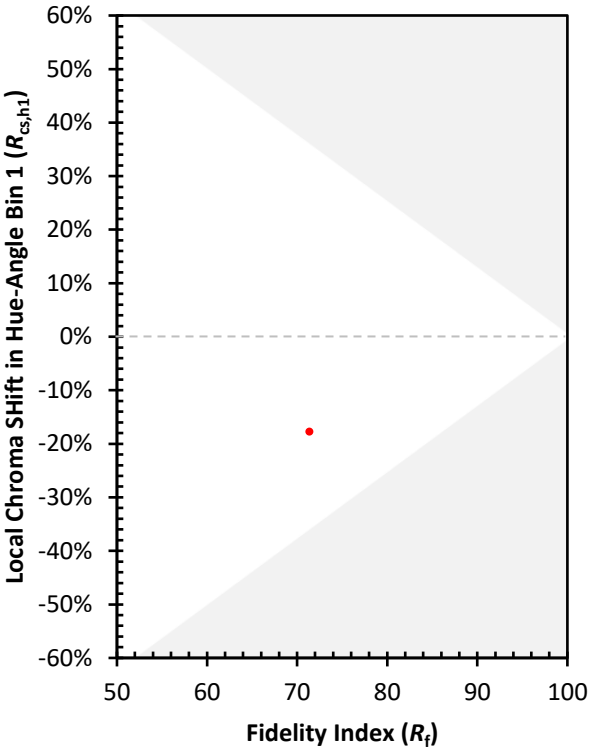


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Measure Comparisons





(END OF REPORT)