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: P1501710

Luminaire Tested: GSS-SB1B-740-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501710
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-740-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4403.1 lumens
Efficiency:	N/A
Efficacy:	110.1 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

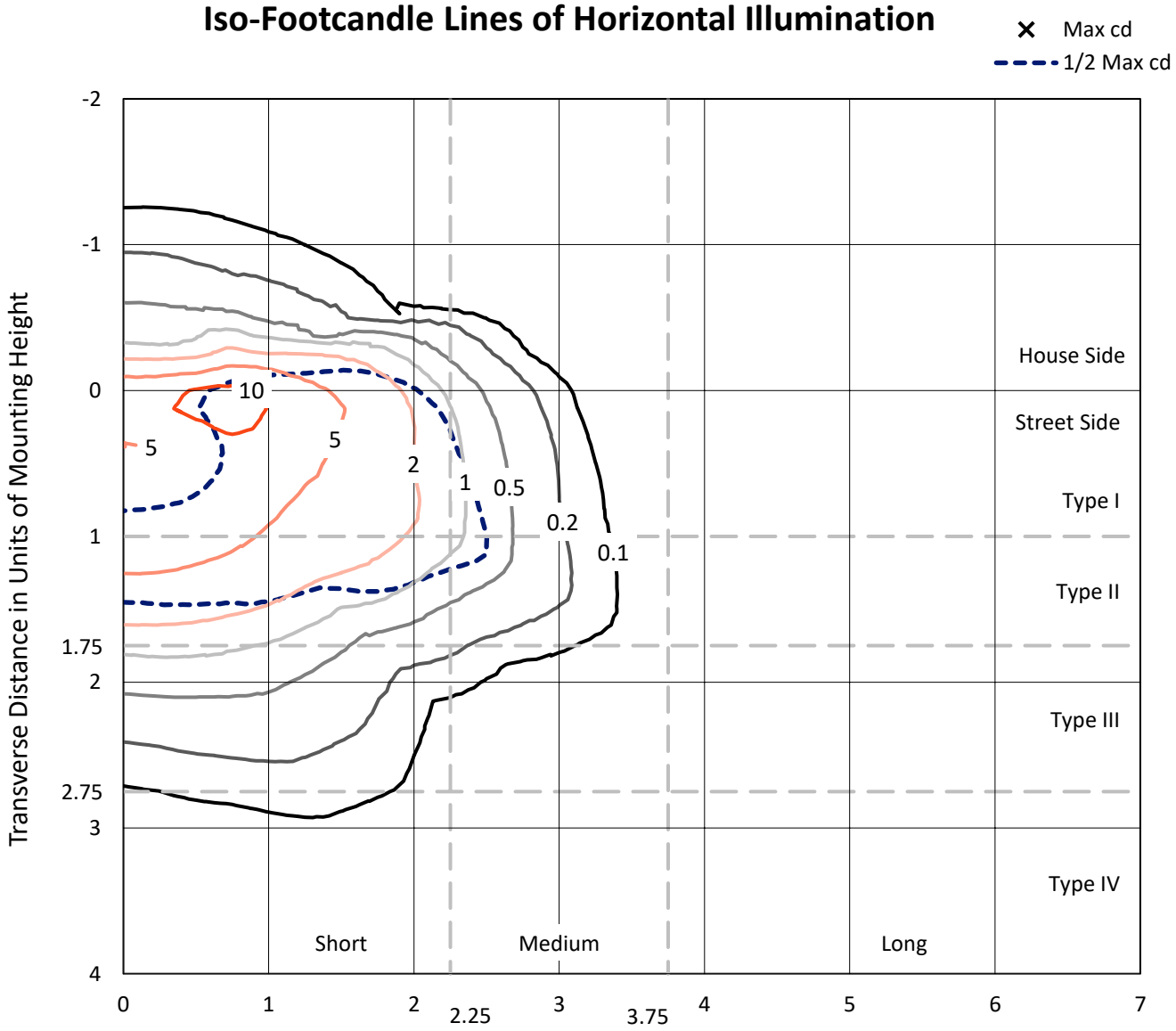
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



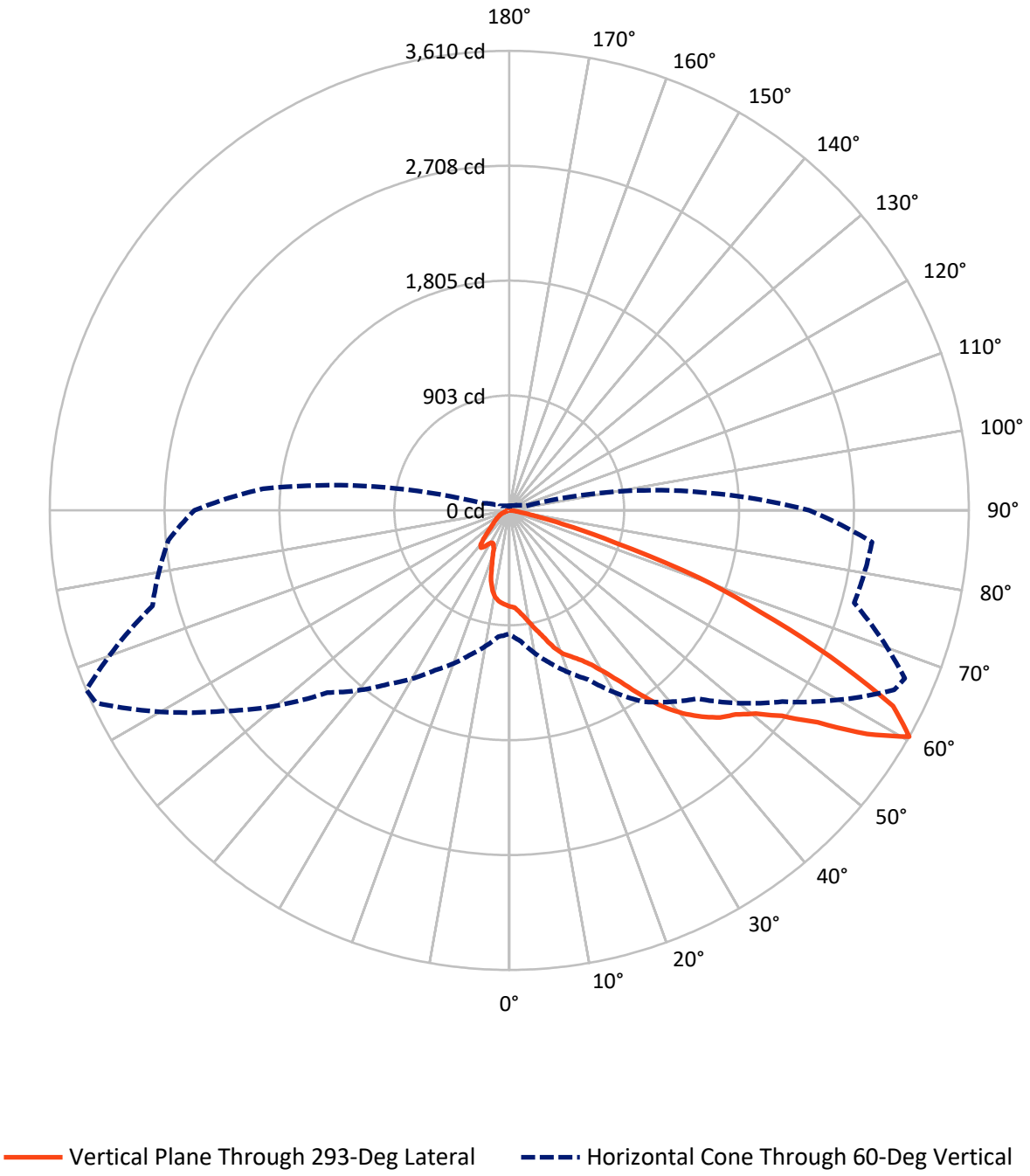
Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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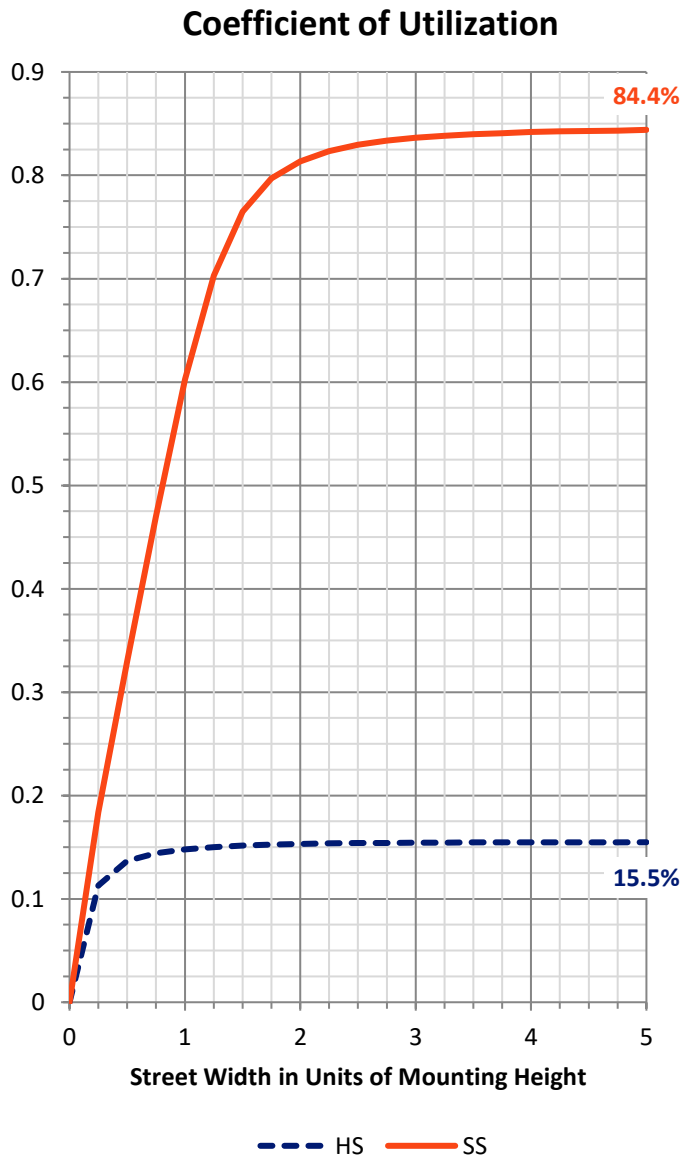
REPORT NUMBER: P1501710
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	687.0	0.0	687.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3716.1	0.0	3716.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	4403.1	0.0	4403.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.6
10°-20°	172.1	3.9
20°-30°	321.3	7.3
30°-40°	637.1	14.5
40°-50°	1015.8	23.1
50°-60°	1213.6	27.6
60°-70°	795.6	18.1
70°-80°	166.7	3.8
80°-90°	12.6	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°	4403.1	100.0
0°-180°	4403.1	100.0



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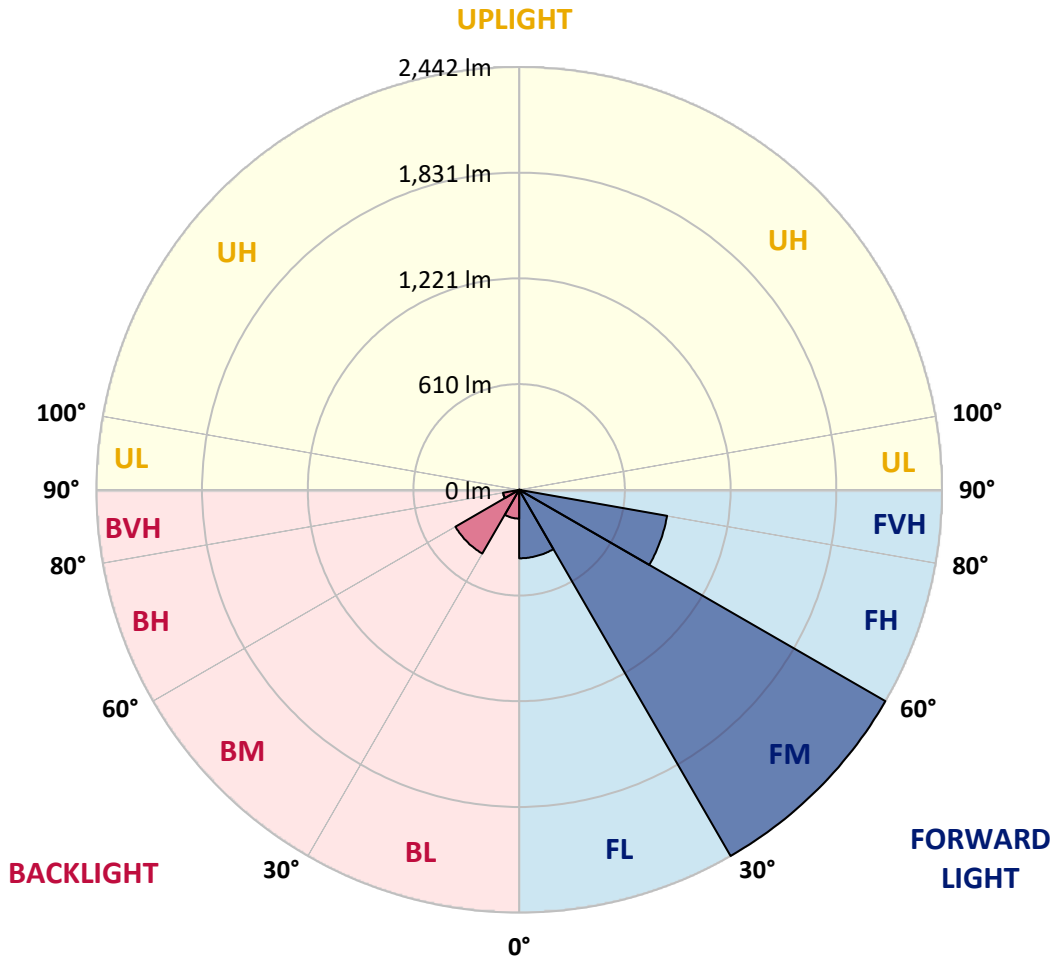
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	395.5	9.0			
FM	(30°-60°)	2441.7	55.5			
FH	(60°-80°)	867.4	19.7			G1/1800
FVH	(80°-90°)	11.5	0.3			G1/100
BL	(0°-30°)	166.2	3.8	B1/500		
BM	(30°-60°)	424.8	9.6	B1/1000		
BH	(60°-80°)	94.9	2.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	792.9	790.4	786.7	787.9	786.7	781.8	774.4	768.2	773.1	765.7	760.8
5°	816.3	816.3	813.8	813.8	815.1	812.6	807.7	799.0	800.3	794.1	778.1
7.5°	816.3	812.6	818.8	824.9	836.0	842.2	844.7	839.7	842.2	829.9	808.9
10°	768.2	765.7	781.8	805.2	837.3	865.6	884.1	885.3	889.0	876.7	852.1
12.5°	665.9	660.9	693.0	737.4	802.7	868.1	919.9	939.6	948.2	943.3	908.8
15°	570.9	577.1	599.3	647.4	734.9	834.8	939.6	1005.0	1017.3	1023.4	982.8
17.5°	561.0	562.3	569.7	593.1	659.7	780.5	942.1	1072.8	1090.0	1117.2	1061.7
20°	588.2	585.7	593.1	600.5	632.6	732.4	918.6	1138.1	1171.4	1229.4	1169.0
22.5°	638.7	638.7	642.4	647.4	663.4	728.7	908.8	1198.5	1255.3	1373.6	1303.4
25°	723.8	713.9	716.4	710.2	723.8	773.1	931.0	1246.6	1324.3	1533.9	1463.7
27.5°	855.8	859.4	837.3	804.0	811.4	853.3	985.2	1300.9	1395.8	1700.4	1626.4
30°	1038.2	1032.1	1018.5	953.2	923.6	960.6	1085.1	1389.7	1492.0	1911.3	1843.4
32.5°	1181.3	1198.5	1175.1	1129.5	1083.9	1095.0	1225.7	1532.7	1609.2	2104.9	2067.9
35°	1353.9	1353.9	1358.8	1294.7	1263.9	1261.4	1402.0	1688.1	1764.5	2279.9	2305.8
37.5°	1587.0	1570.9	1543.8	1472.3	1448.9	1479.7	1567.2	1848.4	1931.0	2421.8	2490.8
40°	1783.0	1794.1	1790.4	1686.8	1641.2	1674.5	1752.2	1985.2	2049.4	2513.0	2640.0
42.5°	1975.4	1981.5	1965.5	1916.2	1849.6	1852.1	1916.2	2088.8	2154.2	2600.5	2780.6
45°	2119.6	2118.4	2107.3	2095.0	2055.5	2014.8	2025.9	2203.5	2260.2	2628.9	2857.0
47.5°	2165.3	2175.1	2185.0	2219.5	2246.7	2182.5	2125.8	2265.2	2316.9	2624.0	2885.4
50°	2123.3	2144.3	2192.4	2244.2	2336.7	2331.7	2209.7	2331.7	2382.3	2651.1	2918.7
52.5°	2029.6	2050.6	2114.7	2208.4	2347.8	2416.8	2365.0	2443.9	2503.1	2720.2	2987.7
55°	1811.4	1820.0	1952.0	2075.3	2292.3	2379.8	2531.5	2633.8	2683.2	2804.0	3079.0
57.5°	1474.8	1495.7	1625.2	1826.2	2136.9	2282.4	2626.4	2958.1	2956.9	2884.2	3098.7
60°	*970.4*	*1032.1*	*1242.9*	*1464.9*	*1836.0*	*2091.3*	*2620.3*	*3337.9*	*3376.1*	*2805.2*	*2860.7*
62.5°	741.1	767.0	886.6	1071.5	1358.8	1733.7	2579.6	3451.4	3481.0	2593.1	2504.4
65°	557.3	589.4	704.1	869.3	959.3	1175.1	2313.2	3000.1	3040.8	2314.5	1947.0
67.5°	341.6	367.5	520.4	713.9	726.3	730.0	1561.1	2272.5	2287.3	1866.9	1310.8
70°	228.1	254.0	360.1	548.7	578.3	420.5	857.0	1720.1	1718.9	1277.5	796.6
72.5°	131.9	144.3	228.1	404.4	455.0	267.6	427.9	1093.7	1045.6	600.5	372.4
75°	75.2	83.8	125.8	260.2	319.4	170.2	168.9	585.7	517.9	309.5	203.5
77.5°	45.6	49.3	69.1	170.2	192.4	114.7	93.7	272.5	262.6	181.3	107.3
80°	22.2	25.9	41.9	99.9	123.3	61.7	56.7	107.3	114.7	99.9	56.7
82.5°	7.4	9.9	23.4	38.2	80.1	24.7	23.4	59.2	62.9	59.2	27.1
85°	3.7	4.9	11.1	12.3	30.8	12.3	8.6	25.9	32.1	19.7	11.1
87.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5
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°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	757.1	754.6	749.7	741.1	739.8	733.7	723.8	717.6	712.7	716.4	717.6
5°	770.7	764.5	749.7	726.3	701.6	677.0	653.5	626.4	607.9	605.4	600.5
7.5°	795.3	783.0	750.9	705.3	642.4	583.2	514.2	447.6	414.3	409.4	398.3
10°	834.8	813.8	760.8	668.3	547.5	424.2	319.4	247.8	207.2	199.8	202.2
12.5°	881.6	852.1	762.0	605.4	416.8	262.6	181.3	154.1	145.5	141.8	141.8
15°	942.1	898.9	760.8	524.1	281.1	168.9	145.5	134.4	130.7	128.2	128.2
17.5°	1018.5	961.8	752.2	402.0	189.9	146.7	133.2	124.5	119.6	118.4	118.4
20°	1108.5	1032.1	732.4	299.6	159.1	136.9	125.8	114.7	111.0	108.5	108.5
22.5°	1223.2	1117.2	694.2	233.1	150.4	130.7	118.4	106.0	102.3	99.9	99.9
25°	1356.4	1225.7	643.7	209.6	149.2	125.8	111.0	98.6	94.9	93.7	92.5
27.5°	1514.2	1341.6	596.8	210.9	151.7	122.1	103.6	92.5	88.8	85.1	86.3
30°	1700.4	1461.2	558.6	225.7	154.1	118.4	98.6	88.8	85.1	80.1	80.1
32.5°	1884.1	1601.8	554.9	252.8	162.8	115.9	93.7	83.8	80.1	76.5	76.5
35°	2072.8	1730.0	575.8	288.5	180.0	112.2	87.5	78.9	75.2	72.8	71.5
37.5°	2252.8	1832.3	595.6	310.7	170.2	96.2	80.1	72.8	69.1	64.1	64.1
40°	2372.4	1887.8	599.3	293.5	140.6	86.3	72.8	65.4	60.4	58.0	56.7
42.5°	2460.0	1923.6	557.3	238.0	122.1	78.9	66.6	59.2	55.5	53.0	53.0
45°	2495.7	1911.3	485.8	181.3	112.2	72.8	60.4	54.3	51.8	49.3	49.3
47.5°	2490.8	1854.5	413.1	145.5	102.3	66.6	56.7	51.8	49.3	46.9	45.6
50°	2482.2	1801.5	339.1	129.5	91.2	62.9	53.0	49.3	45.6	43.2	41.9
52.5°	2538.9	1784.3	281.1	118.4	85.1	60.4	51.8	46.9	43.2	40.7	40.7
55°	2595.6	1791.7	220.7	111.0	78.9	59.2	50.6	45.6	41.9	38.2	38.2
57.5°	2591.9	1759.6	167.7	103.6	74.0	58.0	49.3	44.4	38.2	35.8	35.8
60°	*2356.4*	*1569.7*	*130.7*	*94.9*	*67.8*	*54.3*	*45.6*	*41.9*	*35.8*	*32.1*	*32.1*
62.5°	1992.6	1234.3	107.3	83.8	60.4	49.3	41.9	38.2	32.1	25.9	25.9
65°	1472.3	890.3	86.3	72.8	55.5	43.2	38.2	33.3	25.9	21.0	19.7
67.5°	996.3	547.5	69.1	60.4	49.3	37.0	32.1	28.4	23.4	17.3	16.0
70°	590.6	291.0	50.6	41.9	37.0	27.1	27.1	24.7	19.7	14.8	13.6
72.5°	281.1	101.1	37.0	30.8	28.4	19.7	21.0	21.0	16.0	11.1	9.9
75°	143.0	49.3	24.7	22.2	18.5	14.8	17.3	16.0	11.1	7.4	7.4
77.5°	81.4	34.5	17.3	14.8	12.3	9.9	11.1	9.9	6.2	3.7	3.7
80°	45.6	24.7	11.1	9.9	7.4	6.2	6.2	4.9	3.7	1.2	1.2
82.5°	17.3	14.8	7.4	4.9	3.7	3.7	2.5	2.5	1.2	0.0	0.0
85°	7.4	3.7	3.7	2.5	2.5	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°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	707.8	710.2	712.7	722.6	725.0	732.4	738.6	746.0	747.2	757.1	757.1
5°	610.4	609.1	630.1	660.9	680.7	707.8	728.7	750.9	763.3	779.3	786.7
7.5°	404.4	435.3	482.1	536.4	606.7	672.0	721.3	764.5	794.1	812.6	820.0
10°	201.0	218.3	267.6	356.4	476.0	609.1	713.9	794.1	842.2	863.1	876.7
12.5°	141.8	145.5	154.1	202.2	316.9	505.6	690.5	826.2	892.7	932.2	949.5
15°	127.0	129.5	133.2	146.7	196.1	377.3	648.6	861.9	971.7	1017.3	1039.5
17.5°	117.1	118.4	122.1	133.2	154.1	256.5	580.8	900.1	1066.6	1122.1	1164.0
20°	108.5	108.5	112.2	125.8	143.0	197.3	483.4	943.3	1187.4	1267.6	1309.5
22.5°	98.6	101.1	103.6	118.4	139.3	180.0	392.1	976.6	1321.9	1419.3	1468.6
25°	91.2	93.7	96.2	111.0	135.6	180.0	339.1	997.6	1472.3	1588.2	1656.0
27.5°	85.1	87.5	91.2	106.0	131.9	187.4	318.1	1003.7	1636.3	1786.7	1878.0
30°	80.1	82.6	86.3	102.3	134.4	196.1	325.5	995.1	1802.7	1991.4	2099.9
32.5°	75.2	77.7	81.4	98.6	134.4	207.2	350.2	977.8	1964.3	2196.1	2329.3
35°	71.5	72.8	74.0	88.8	122.1	205.9	381.0	960.6	2127.0	2398.3	2553.7
37.5°	64.1	65.4	67.8	76.5	97.4	187.4	387.2	939.6	2255.3	2568.5	2739.9
40°	56.7	59.2	61.7	70.3	81.4	151.7	360.1	895.2	2323.1	2699.2	2907.6
42.5°	51.8	53.0	55.5	64.1	75.2	120.8	302.1	817.5	2383.5	2788.0	3029.7
45°	48.1	49.3	51.8	58.0	70.3	104.8	238.0	722.6	2388.5	2816.3	3088.8
47.5°	44.4	45.6	46.9	53.0	67.8	93.7	182.5	636.3	2387.2	2853.3	3139.4
50°	41.9	43.2	45.6	50.6	64.1	83.8	150.4	566.0	2439.0	2933.5	3241.7
52.5°	40.7	40.7	44.4	49.3	60.4	76.5	125.8	503.1	2466.1	3012.4	3315.7
55°	38.2	39.5	41.9	46.9	56.7	72.8	107.3	424.2	2478.5	3051.8	3329.3
57.5°	35.8	37.0	40.7	44.4	54.3	69.1	92.5	316.9	2302.1	2845.9	3102.4
60°	*32.1*	*34.5*	*39.5*	*43.2*	*50.6*	*62.9*	*81.4*	*214.6*	*1942.1*	*2473.5*	*2688.1*
62.5°	25.9	30.8	35.8	38.2	45.6	53.0	69.1	143.0	1551.2	2046.9	2291.0
65°	19.7	25.9	29.6	33.3	38.2	44.4	58.0	97.4	1034.5	1377.3	1652.3
67.5°	17.3	22.2	24.7	27.1	32.1	38.2	46.9	67.8	627.6	827.4	1098.7
70°	13.6	18.5	21.0	19.7	24.7	29.6	33.3	45.6	320.6	448.8	625.2
72.5°	9.9	14.8	16.0	16.0	14.8	21.0	24.7	32.1	139.3	218.3	283.6
75°	7.4	9.9	11.1	9.9	8.6	13.6	17.3	21.0	91.2	130.7	165.2
77.5°	3.7	3.7	6.2	6.2	3.7	7.4	8.6	12.3	51.8	76.5	94.9
80°	1.2	0.0	0.0	1.2	0.0	2.5	3.7	6.2	27.1	40.7	59.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	13.6	12.3	30.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	7.4
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: P1501710
CATALOG NUMBER: GSS-SB1B-740-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	754.6	*754.6*	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	763.3	*763.3*	768.2	775.6	779.3	781.8	783.0	785.5	795.3	792.9
5°	795.3	*797.8*	801.5	808.9	817.5	815.1	815.1	815.1	821.2	816.3
7.5°	837.3	*844.7*	845.9	854.5	848.4	836.0	828.6	817.5	816.3	816.3
10°	905.1	*902.6*	902.6	891.5	869.3	833.6	801.5	779.3	767.0	768.2
12.5°	977.8	*968.0*	969.2	928.5	865.6	786.7	721.3	673.3	669.6	665.9
15°	1067.8	*1041.9*	1037.0	943.3	810.1	689.3	625.2	586.9	574.6	570.9
17.5°	1196.1	*1130.7*	1107.3	917.4	737.4	628.9	580.8	563.5	562.3	561.0
20°	1331.7	*1202.2*	1157.9	879.2	712.7	630.1	594.3	589.4	586.9	588.2
22.5°	1489.5	*1247.9*	1191.1	885.3	734.9	670.8	642.4	638.7	636.3	638.7
25°	1652.3	*1300.9*	1230.6	934.7	801.5	746.0	712.7	705.3	712.7	723.8
27.5°	1816.3	*1372.4*	1308.3	1032.1	908.8	848.4	816.3	843.4	854.5	855.8
30°	1961.8	*1472.3*	1413.1	1169.0	1030.8	970.4	976.6	1011.1	1024.7	1038.2
32.5°	2095.0	*1605.5*	1559.8	1324.3	1188.7	1152.9	1149.2	1175.1	1189.9	1181.3
35°	2229.4	*1779.3*	1734.9	1493.2	1382.3	1352.7	1321.9	1372.4	1367.5	1353.9
37.5°	2356.4	*1954.4*	1913.7	1674.5	1559.8	1508.0	1503.1	1548.7	1589.4	1587.0
40°	2447.6	*2096.2*	2046.9	1854.5	1746.0	1701.6	1727.5	1806.4	1796.6	1783.0
42.5°	2531.5	*2217.1*	2172.7	2012.4	1898.9	1918.7	1942.1	1995.1	1988.9	1975.4
45°	2571.0	*2320.6*	2282.4	2132.0	2076.5	2139.4	2138.1	2157.9	2124.6	2119.6
47.5°	2626.4	*2394.6*	2355.2	2239.3	2288.6	2314.5	2241.7	2220.8	2189.9	2165.3
50°	2728.8	*2509.3*	2469.8	2402.0	2443.9	2363.8	2275.0	2229.4	2166.5	2123.3
52.5°	2848.4	*2683.2*	2648.6	2621.5	2504.4	2339.1	2225.7	2143.1	2066.6	2029.6
55°	2998.8	*2939.6*	2915.0	2765.8	2450.1	2238.0	2104.9	1950.7	1845.9	1811.4
57.5°	3048.1	*3315.7*	3307.1	2789.2	2298.4	2054.3	1813.8	1605.5	1496.9	1474.8
60°	*2902.6*	*3610.4*	*3579.6*	*2749.7*	*2023.5*	*1667.1*	*1386.0*	*1172.6*	*996.3*	*970.4*
62.5°	2716.5	*3384.8*	3373.7	2551.2	1541.3	1194.8	1035.8	836.0	760.8	741.1
65°	2326.8	*2769.5*	2774.4	2046.9	975.4	858.2	850.8	664.6	572.1	557.3
67.5°	1791.7	*2124.6*	2090.1	1287.3	568.4	686.8	679.4	485.8	351.4	341.6
70°	1046.9	*1582.0*	1526.5	669.6	376.1	573.4	522.8	341.6	239.2	228.1
72.5°	462.4	*870.5*	934.7	294.7	265.1	456.2	377.3	209.6	134.4	131.9
75°	256.5	*431.6*	451.3	128.2	186.2	324.3	228.1	117.1	76.5	75.2
77.5°	154.1	*191.1*	186.2	82.6	139.3	207.2	138.1	66.6	48.1	45.6
80°	86.3	*87.5*	74.0	60.4	82.6	115.9	77.7	41.9	22.2	22.2
82.5°	53.0	*48.1*	38.2	18.5	22.2	70.3	28.4	23.4	7.4	7.4
85°	22.2	*14.8*	9.9	3.7	8.6	18.5	9.9	11.1	3.7	3.7
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: SP1-2407-184-1

Test Date: 10/09/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

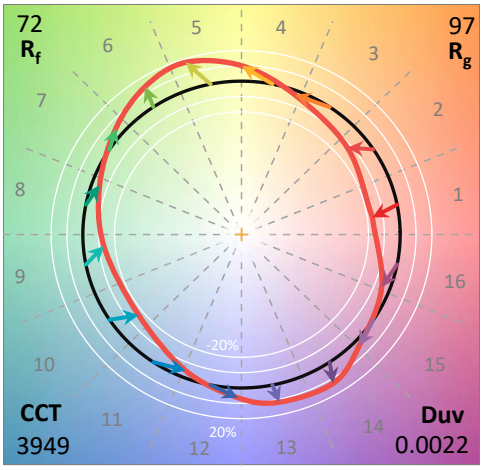
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

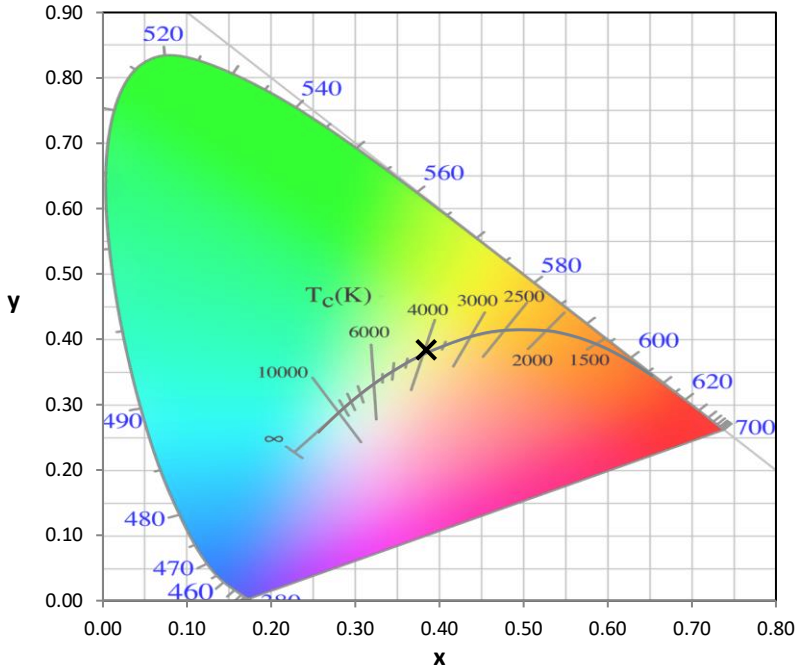
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

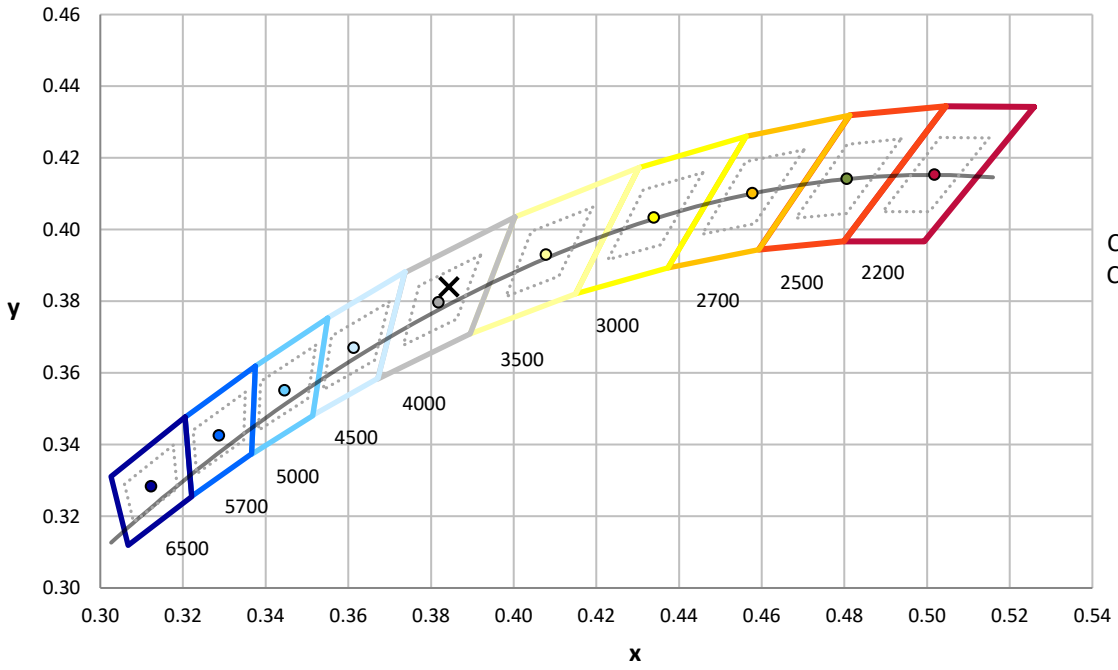
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

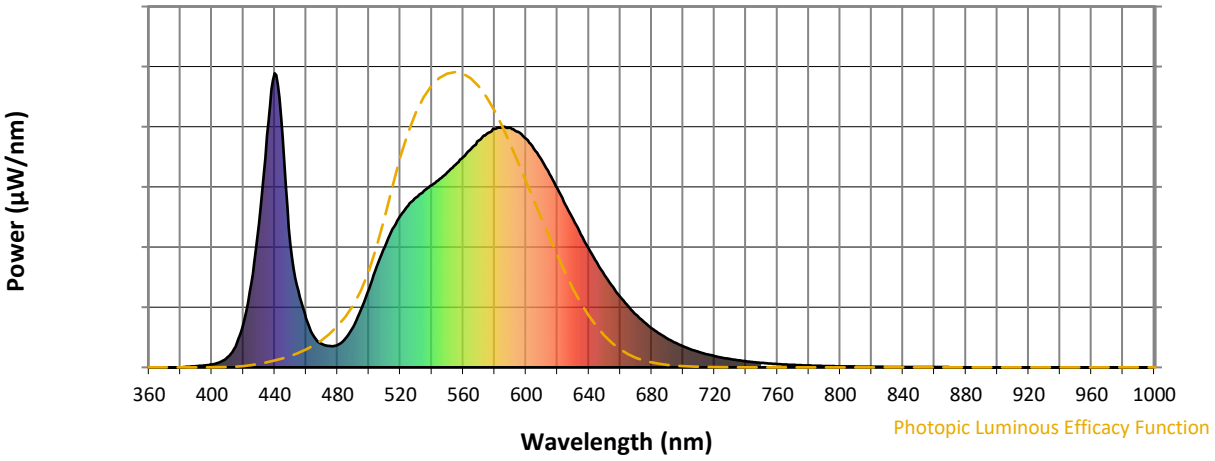


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

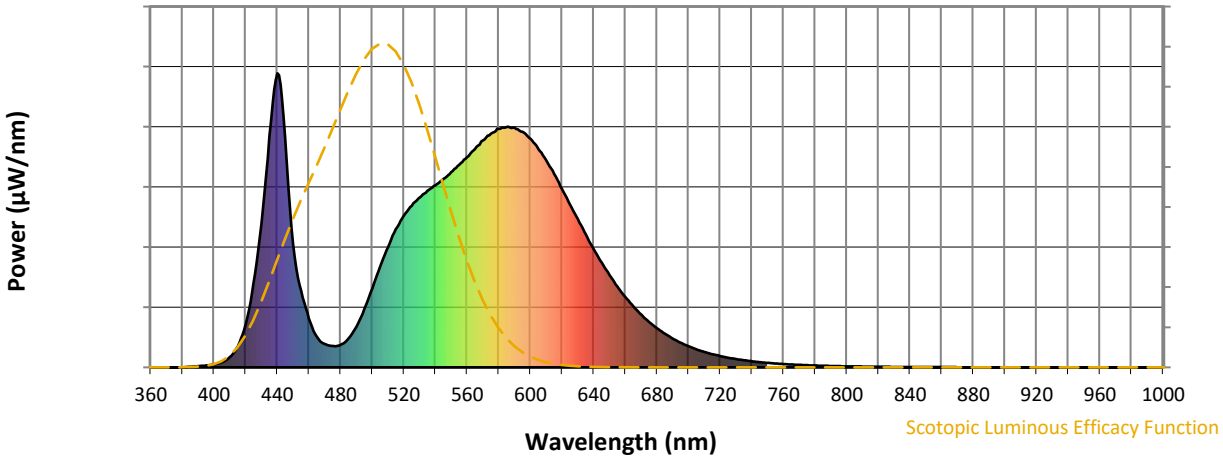


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

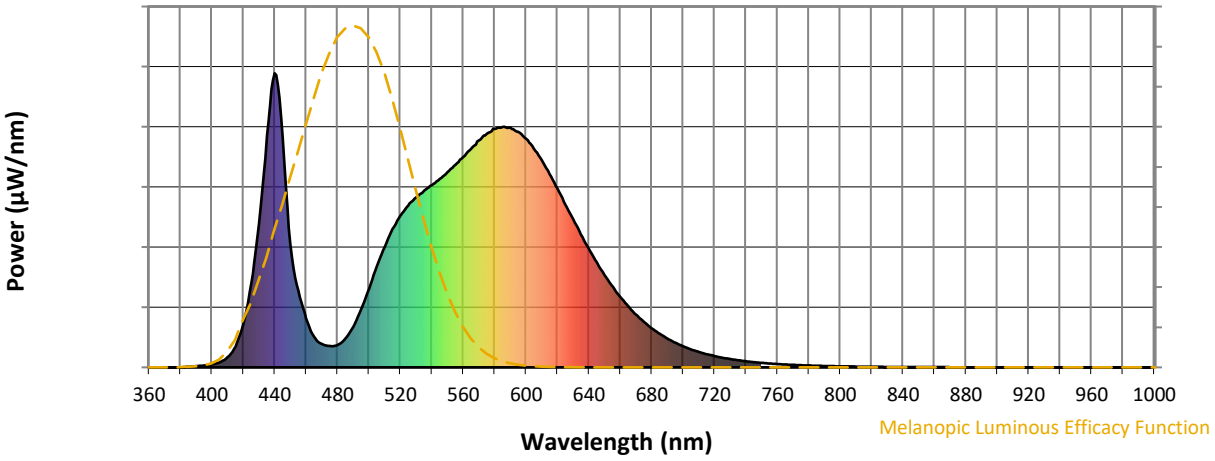


Scotopic Lumens: NR **S/P: 1.47**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

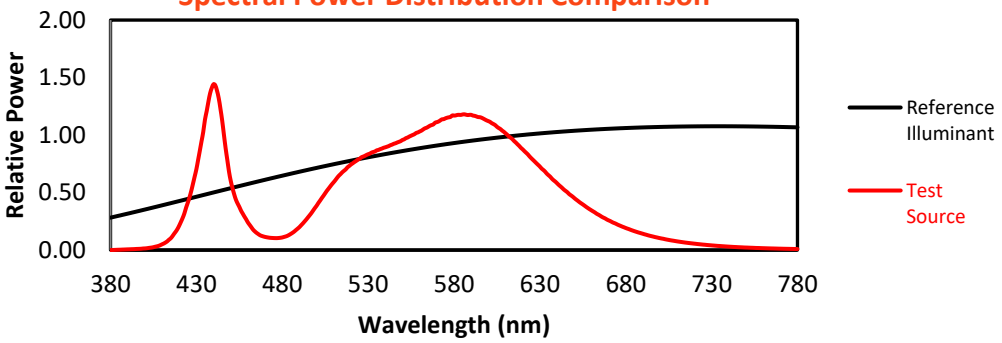
REPORT NUMBER: SP1-2407-184-1

TM-30-18

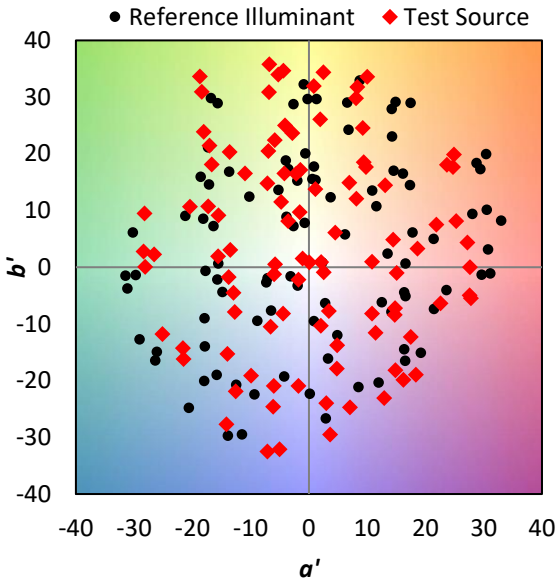
Summary

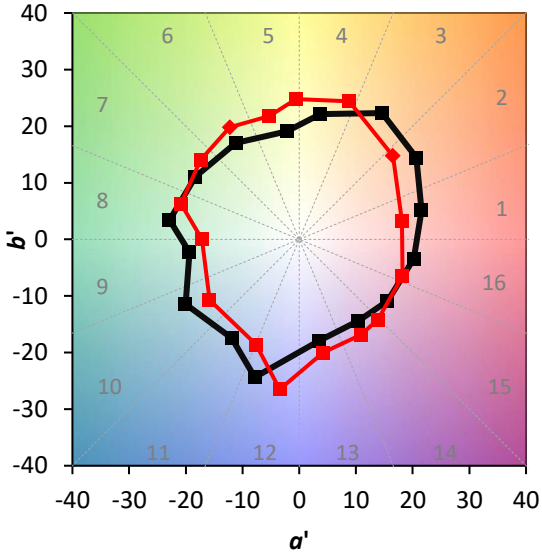
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

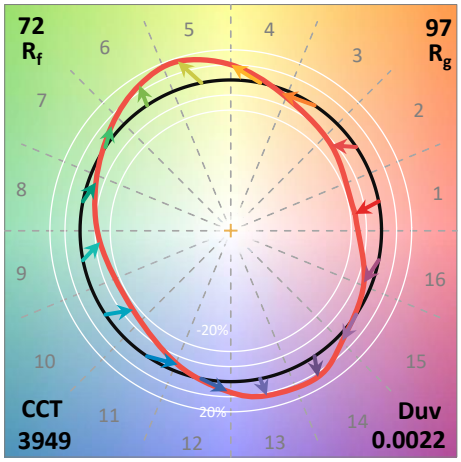
Spectral Power Distribution Comparison

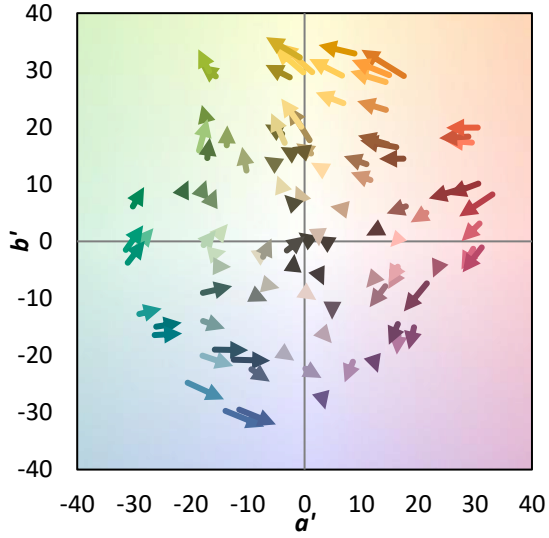


Color Vector Graphics







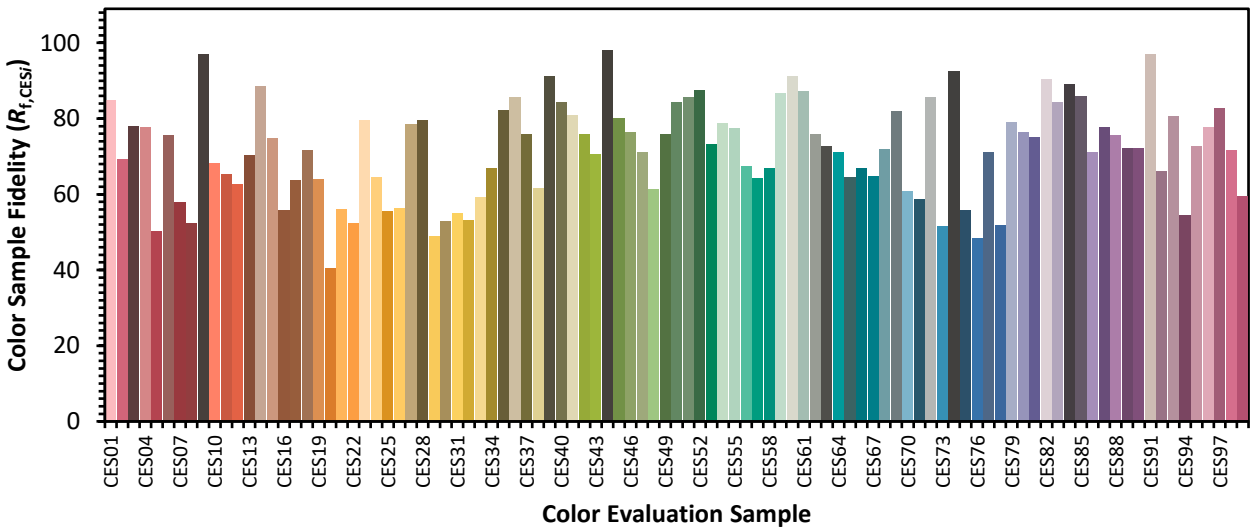


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

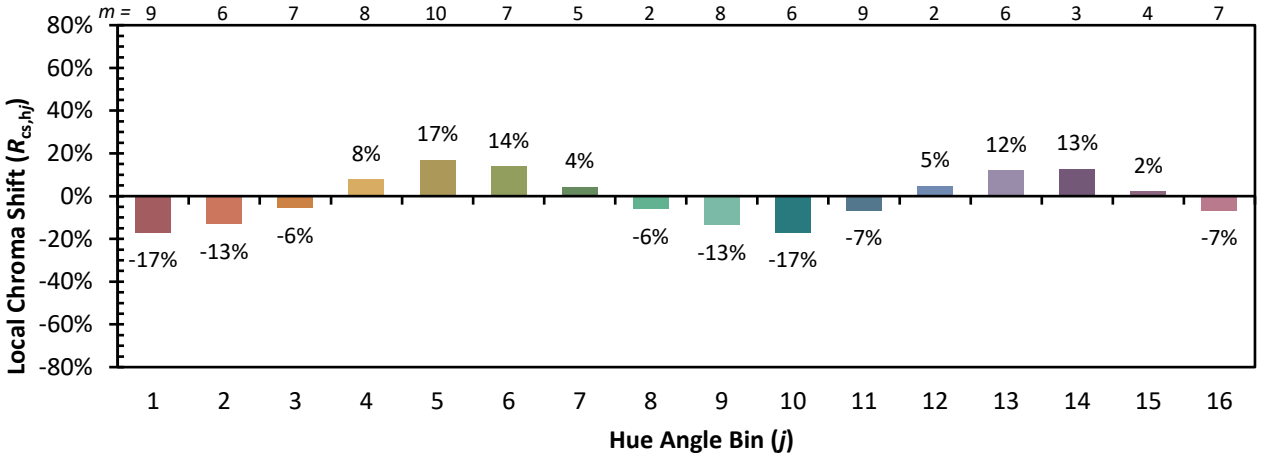
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57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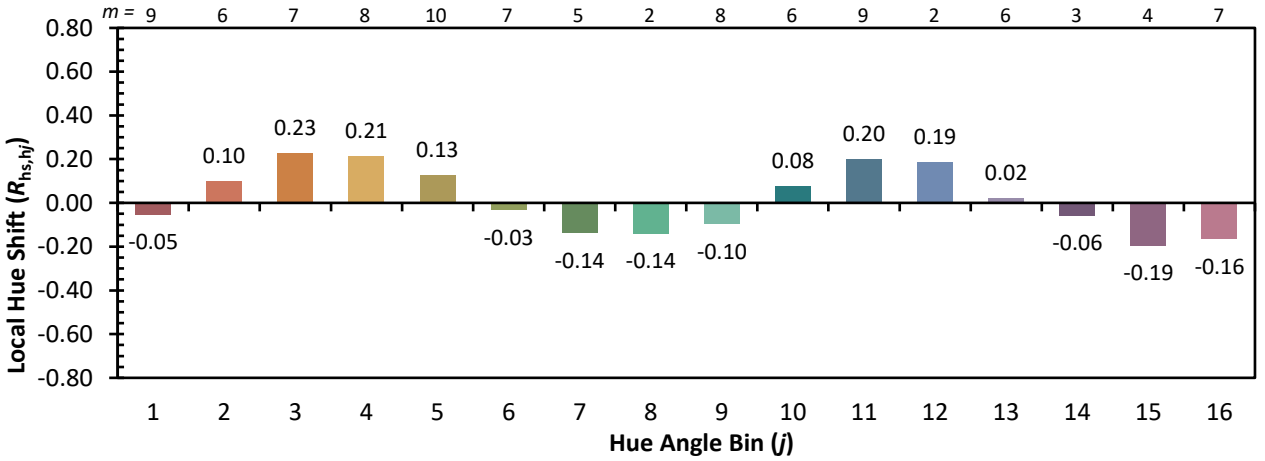


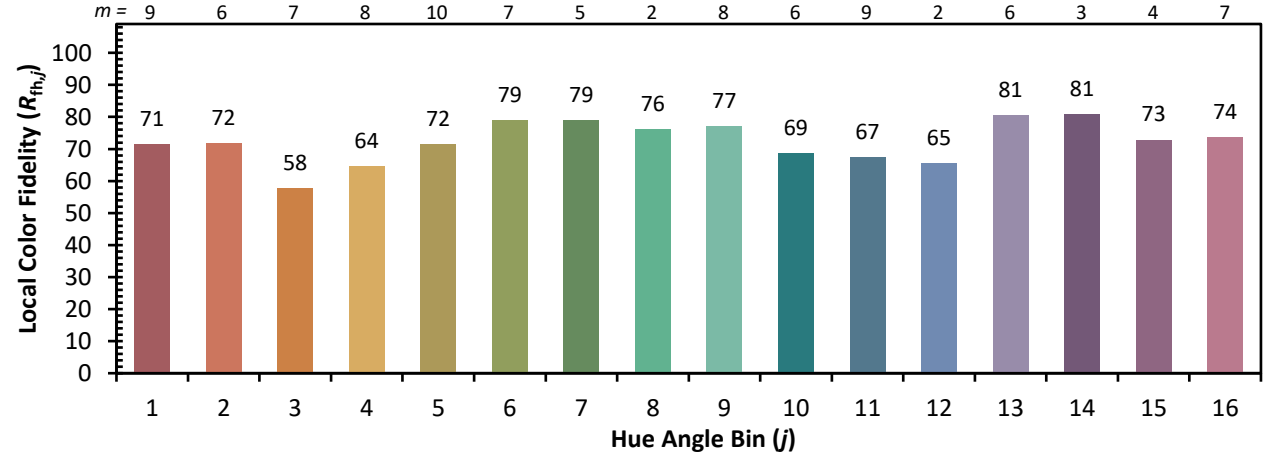
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Color Rendition by Hue-Angle Bin



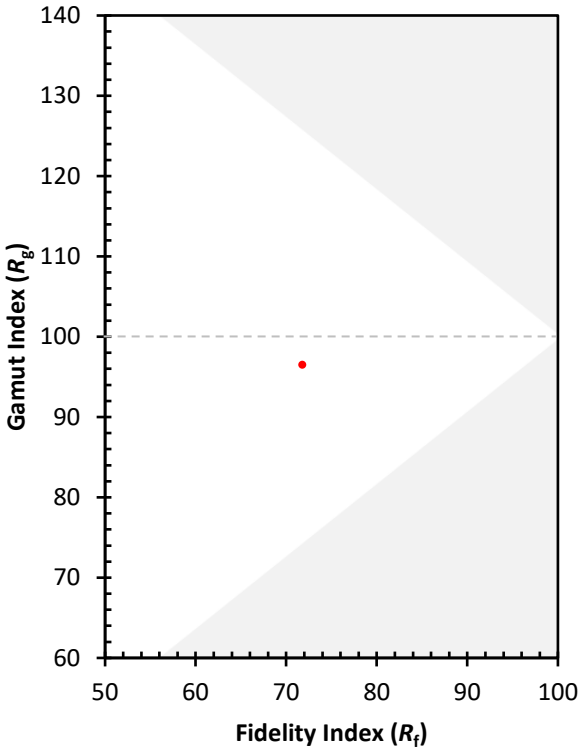


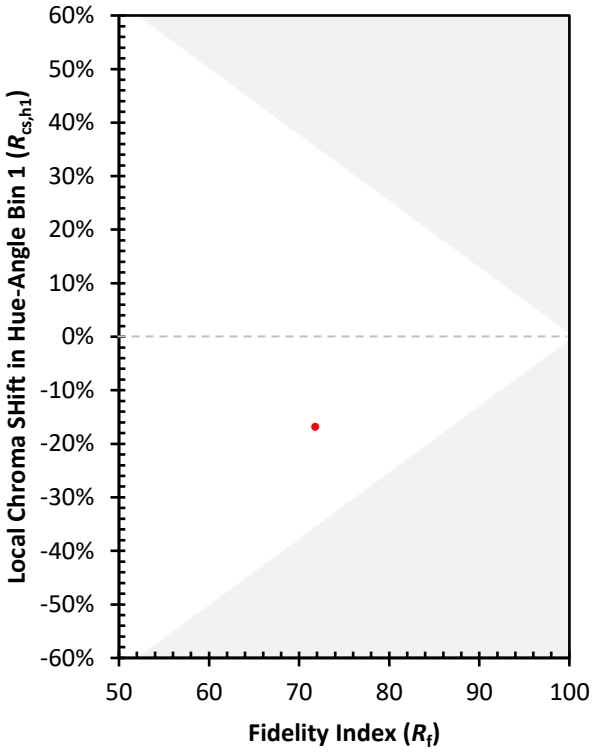


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Measure Comparisons





(END OF REPORT)