Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1365277

Luminaire Tested: **GSS-SB2C-740-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365277
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-740-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11053.9 lumens
Efficiency:	N/A
Efficacy:	108.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

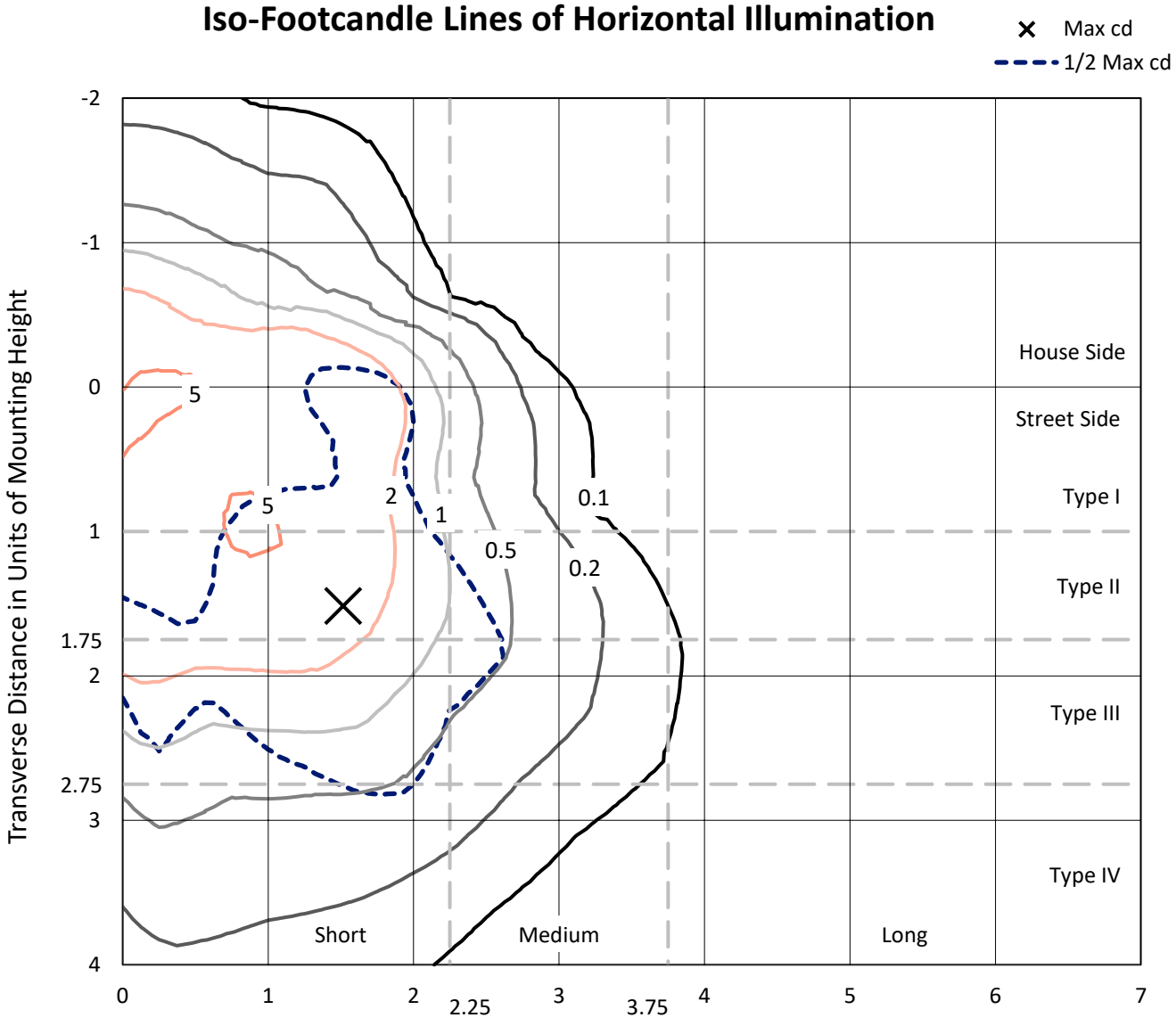
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



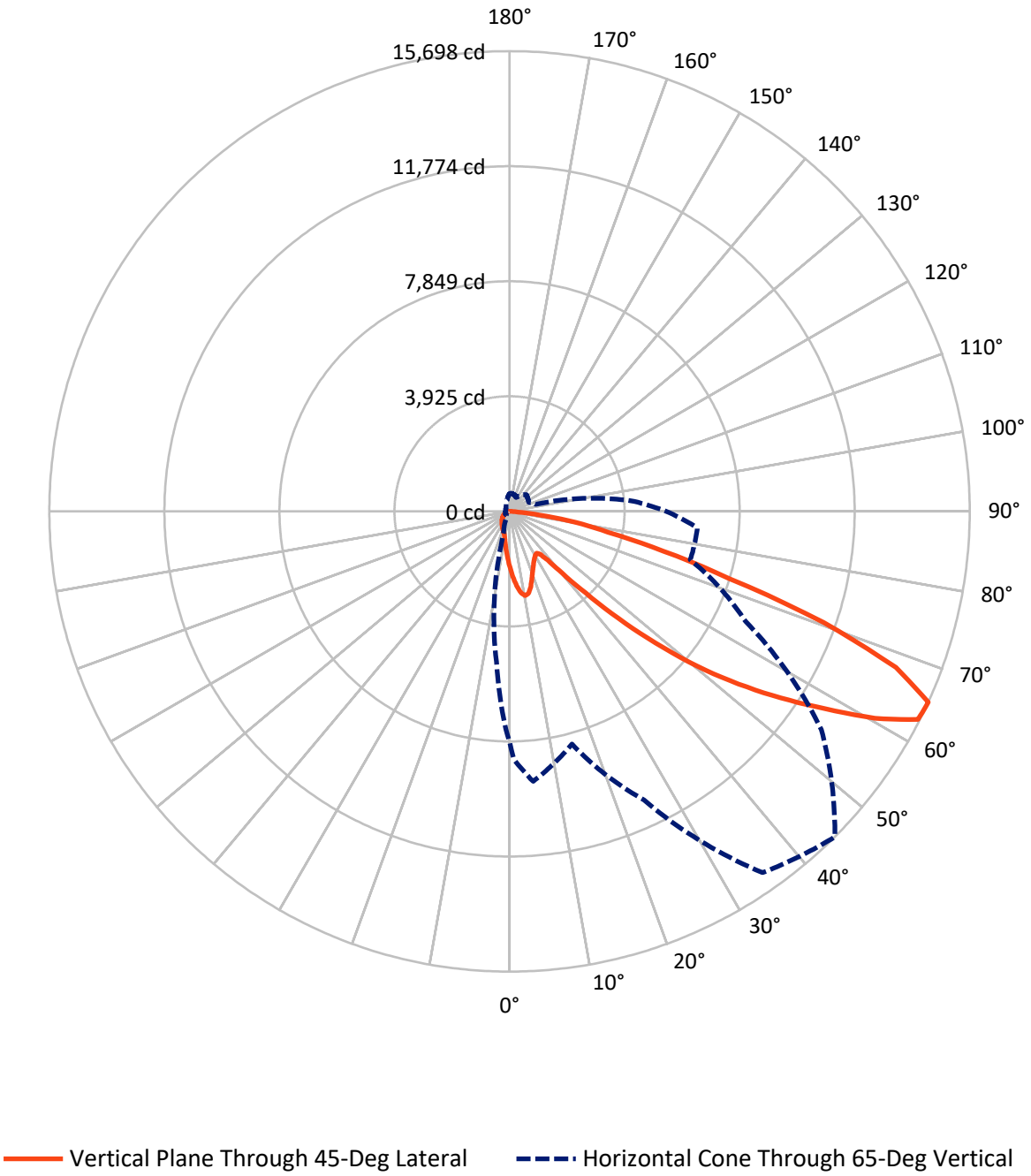
Based on 20 foot mounting height. Maximum calculated value = 7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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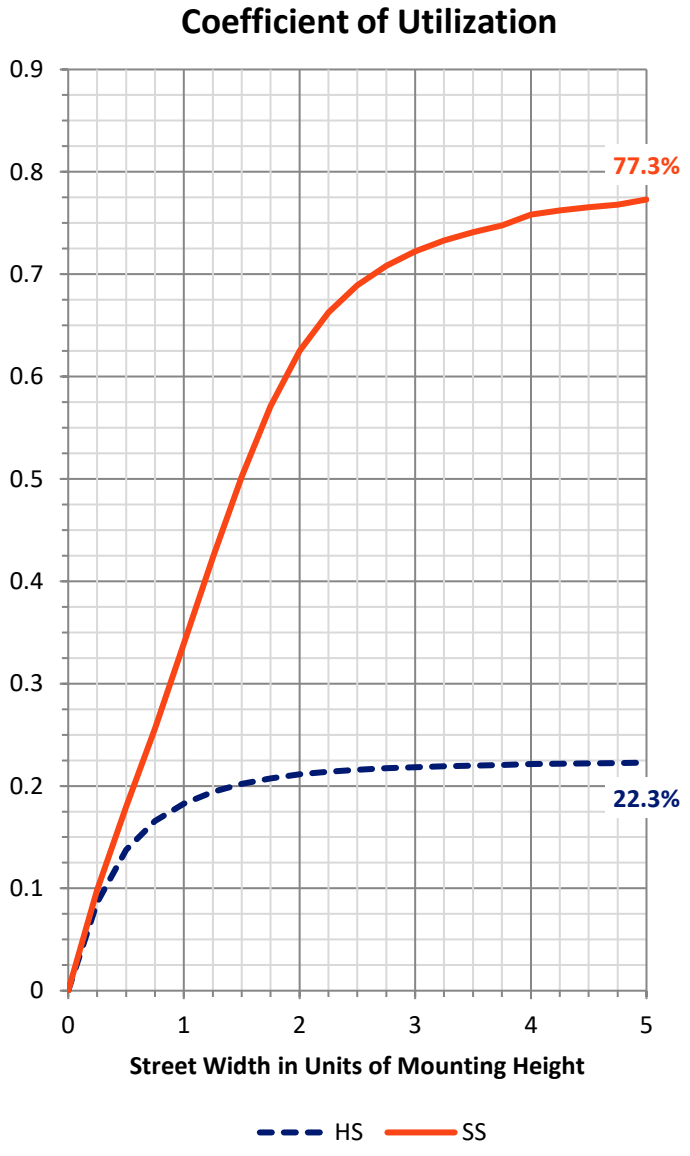
REPORT NUMBER: P1365277
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2486.5	0.0	2486.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	8567.4	0.0	8567.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	11053.9	0.0	11053.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	1.7
10°-20°	507.6	4.6
20°-30°	727.0	6.6
30°-40°	912.0	8.3
40°-50°	1498.1	13.6
50°-60°	2704.9	24.5
60°-70°	3002.8	27.2
70°-80°	1357.3	12.3
80°-90°	160.6	1.5
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°	11053.9	100.0
0°-180°	11053.9	100.0



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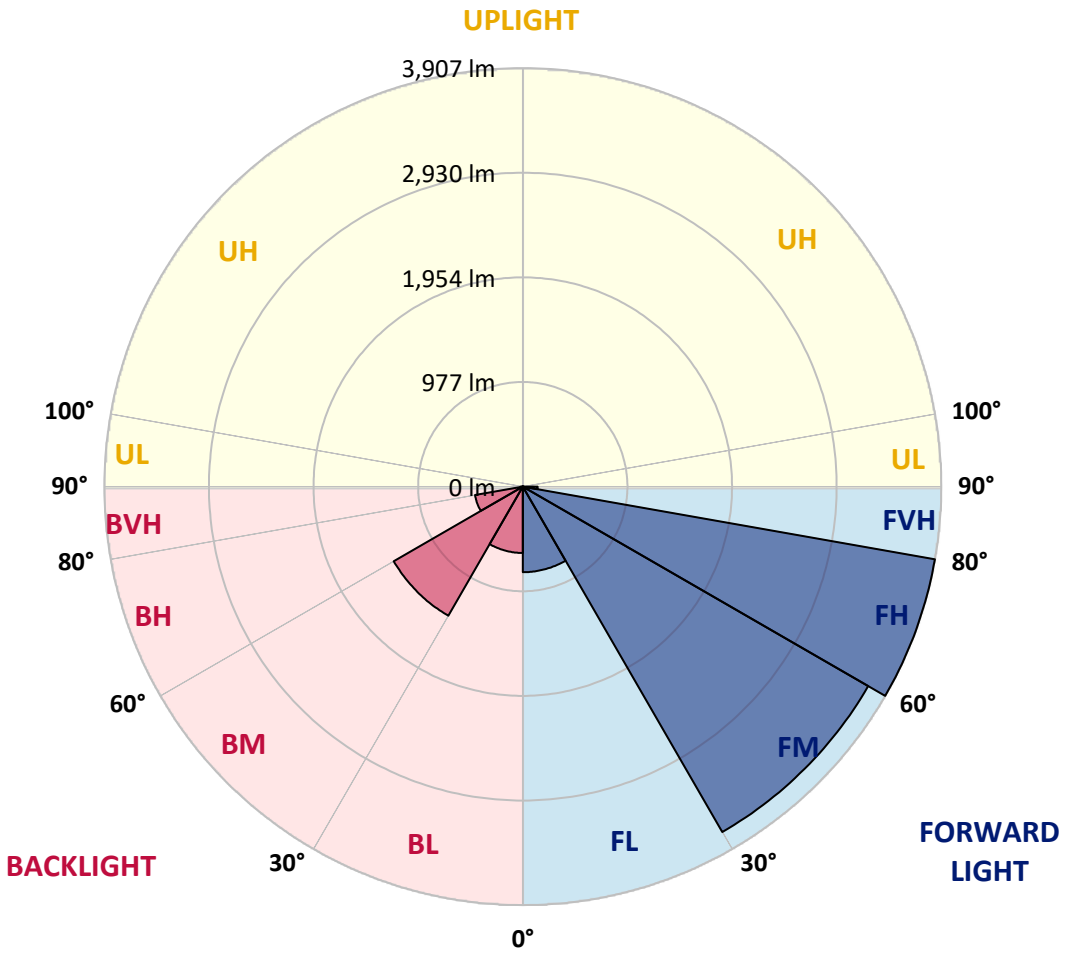
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	798.5	7.2			
FM	(30°-60°)	3723.7	33.7			
FH	(60°-80°)	3907.2	35.3			G2/5000
FVH	(80°-90°)	137.9	1.2			G2/225
BL	(0°-30°)	619.6	5.6	B2/1000		
BM	(30°-60°)	1391.3	12.6	B2/2500		
BH	(60°-80°)	452.9	4.1	B1/500		G1/500
BVH	(80°-90°)	22.7	0.2			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7
2.5°	2103.0	2130.2	2126.8	2164.1	2198.0	2221.8	2242.1	2235.3	2218.4	2184.5	2160.7
5°	2323.5	2343.9	2377.8	2449.0	2503.3	2550.8	2544.0	2550.8	2499.9	2449.0	2388.0
7.5°	2513.5	2537.2	2584.7	2686.5	2754.3	2812.0	2805.2	2784.8	2727.2	2642.4	2550.8
10°	2632.2	2649.2	2700.0	2815.4	2893.4	2940.9	2923.9	2890.0	2815.4	2730.6	2622.0
12.5°	2683.1	2703.4	2747.5	2839.1	2890.0	2879.8	2873.0	2866.3	2828.9	2764.5	2666.1
15°	2689.9	2703.4	2737.4	2778.1	2757.7	2700.0	2686.5	2737.4	2784.8	2771.3	2689.9
17.5°	2689.9	2710.2	2717.0	2676.3	2571.1	2466.0	2452.4	2537.2	2669.5	2774.7	2727.2
20°	2700.0	2710.2	2696.7	2564.4	2367.6	2252.3	2228.6	2333.7	2530.4	2737.4	2764.5
22.5°	2713.6	2723.8	2666.1	2432.1	2201.4	2079.3	2065.7	2143.8	2374.4	2683.1	2805.2
25°	2740.7	2734.0	2645.8	2316.7	2055.6	1940.2	1919.9	2021.6	2245.5	2628.8	2873.0
27.5°	2774.7	2744.1	2618.6	2221.8	1950.4	1828.3	1814.7	1913.1	2137.0	2561.0	2930.7
30°	2818.8	2788.2	2615.2	2147.1	1872.4	1750.3	1733.3	1841.9	2062.3	2513.5	3012.1
32.5°	2879.8	2835.7	2618.6	2089.5	1828.3	1713.0	1702.8	1818.1	2031.8	2486.3	3096.9
35°	2961.2	2896.8	2632.2	2069.1	1841.9	1763.8	1787.6	1875.8	2062.3	2506.7	3236.0
37.5°	3063.0	3001.9	2700.0	2113.2	1991.1	2045.4	2106.4	2140.4	2208.2	2601.7	3459.9
40°	3232.6	3147.8	2801.8	2255.7	2391.4	2645.8	2764.5	2750.9	2594.9	2818.8	3775.3
42.5°	3470.0	3392.0	3008.7	2618.6	3059.6	3598.9	3799.1	3683.7	3212.2	3164.7	4294.3
45°	3833.0	3704.1	3286.9	3158.0	3866.9	4752.2	5203.3	4806.5	3995.8	3710.9	5033.7
47.5°	4297.7	4168.8	3721.0	3697.3	4769.2	6176.9	6712.8	5932.6	4772.6	4426.6	5919.1
50°	5043.9	4901.5	4358.7	4246.8	5766.4	7598.1	8313.8	7055.4	5562.9	5186.4	7011.3
52.5°	6068.3	5973.3	5369.6	4813.3	6658.5	9165.2	9782.6	8229.0	6173.5	6054.7	8201.9
55°	7496.4	7404.8	6685.7	5444.2	7503.1	10735.7	11234.4	9297.5	6706.0	7072.3	9446.8
57.5°	9114.3	9267.0	8486.8	6285.4	8391.8	12000.9	12696.3	10267.6	7425.1	8432.5	10830.7
60°	10169.3	10650.9	10552.6	7754.1	9772.4	13574.8	14331.3	11566.8	8476.6	9433.2	10800.2
62.5°	9253.4	9735.1	10488.1	9456.9	11102.1	14999.5	15637.2	12933.7	9521.4	8636.1	9070.2
65°	7852.5	8452.9	9246.6	8215.5	10868.0	15043.6	15698.2	12984.6	8883.7	6383.8	6431.3
67.5°	6767.1	7299.6	8276.5	6990.9	9633.3	13700.3	14215.9	11583.7	7343.7	4233.2	4195.9
70°	5647.7	6136.2	7370.8	6224.3	8439.3	11807.6	11363.2	9738.5	6207.4	2812.0	2330.3
72.5°	4813.3	5264.4	6550.0	5593.4	6695.8	9568.9	7832.2	8079.8	5050.7	1787.6	1587.5
75°	3982.2	4396.1	5569.7	5064.3	5539.2	5969.9	5413.7	5739.3	4162.0	1516.2	1224.5
77.5°	2795.0	3052.8	3907.6	4029.7	4311.2	3534.5	3432.7	4019.5	2961.2	753.0	515.6
80°	1377.2	1536.6	2038.6	2398.2	2038.6	2004.7	2286.2	2676.3	1536.6	461.3	284.9
82.5°	617.3	732.7	939.6	1451.8	736.1	800.5	1010.8	1424.6	698.8	274.8	122.1
85°	98.4	108.5	183.2	244.2	200.1	308.7	295.1	278.1	149.2	74.6	33.9
87.5°	3.4	3.4	3.4	6.8	10.2	13.6	17.0	17.0	17.0	17.0	17.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7
2.5°	2153.9	2143.8	2092.9	2042.0	1997.9	1953.8	1909.7	1848.6	1801.2	1760.5	1743.5
5°	2357.4	2303.2	2225.2	2140.4	2065.7	1980.9	1899.5	1807.9	1733.3	1655.3	1614.6
7.5°	2496.5	2442.3	2313.4	2184.5	2092.9	2001.3	1916.5	1814.7	1716.4	1604.4	1543.4
10°	2561.0	2499.9	2360.8	2211.6	2099.7	2008.1	1930.1	1845.3	1746.9	1607.8	1526.4
12.5°	2605.1	2530.4	2371.0	2218.4	2106.4	2011.5	1936.8	1875.8	1818.1	1682.4	1587.5
15°	2632.2	2564.4	2398.2	2221.8	2096.3	1984.3	1913.1	1892.7	1902.9	1838.5	1723.1
17.5°	2672.9	2608.5	2432.1	2242.1	2079.3	1926.7	1848.6	1892.7	1984.3	2004.7	1913.1
20°	2727.2	2659.3	2476.2	2259.1	2028.4	1818.1	1743.5	1855.4	2008.1	2113.2	2062.3
22.5°	2788.2	2734.0	2527.1	2276.0	1953.8	1675.7	1641.7	1777.4	1940.2	2075.9	2079.3
25°	2862.9	2812.0	2598.3	2293.0	1852.0	1553.5	1560.3	1675.7	1804.6	1943.6	1967.4
27.5°	2964.6	2917.1	2686.5	2313.4	1746.9	1455.2	1489.1	1573.9	1662.1	1746.9	1780.8
30°	3076.6	3039.2	2791.6	2354.1	1648.5	1397.5	1417.9	1475.5	1546.8	1597.6	1614.6
32.5°	3229.2	3168.1	2890.0	2350.7	1573.9	1370.4	1350.0	1367.0	1424.6	1475.5	1478.9
35°	3419.2	3371.7	2991.8	2289.6	1506.1	1356.8	1285.6	1275.4	1309.3	1360.2	1356.8
37.5°	3697.3	3656.6	3158.0	2194.6	1421.3	1322.9	1217.7	1183.8	1207.6	1241.5	1251.7
40°	4114.5	4009.4	3347.9	2089.5	1336.5	1261.8	1136.3	1088.8	1105.8	1143.1	1149.9
42.5°	4681.0	4480.9	3602.3	1947.0	1255.0	1170.2	1054.9	1004.0	1014.2	1048.1	1054.9
45°	5406.9	5105.0	3951.7	1797.8	1190.6	1075.3	970.1	915.8	926.0	963.3	980.3
47.5°	6254.9	5841.0	4318.0	1638.3	1153.3	1000.6	885.3	844.6	868.4	905.7	912.5
50°	7255.5	6838.3	4552.1	1509.4	1129.5	943.0	807.3	790.3	820.9	851.4	858.2
52.5°	8347.7	7754.1	4402.8	1404.3	1109.2	922.6	753.0	759.8	783.6	814.1	824.3
55°	9409.4	8090.0	3907.6	1268.6	1085.4	936.2	712.3	729.3	759.8	783.6	790.3
57.5°	10101.4	7808.4	3147.8	1126.1	1058.3	946.4	692.0	705.5	739.5	766.6	770.0
60°	9497.6	7191.1	2357.4	1004.0	1000.6	929.4	685.2	664.8	712.3	736.1	739.5
62.5°	7781.3	5881.8	1506.1	888.7	892.1	892.1	681.8	597.0	658.1	678.4	675.0
65°	*5345.8*	*4158.6*	*932.8*	*725.9*	*759.8*	*810.7*	*661.4*	*525.8*	*597.0*	*617.3*	*610.6*
67.5°	3514.1	2642.4	576.6	559.7	624.1	702.1	620.7	471.5	535.9	549.5	529.2
70°	1906.3	1244.9	379.9	366.3	488.5	552.9	525.8	424.0	478.3	491.8	471.5
72.5°	1258.4	715.7	268.0	268.0	383.3	386.7	430.8	379.9	424.0	437.6	417.2
75°	946.4	461.3	186.6	206.9	244.2	301.9	308.7	318.8	359.6	376.5	356.2
77.5°	434.2	169.6	111.9	152.6	169.6	230.7	196.7	237.4	268.0	274.8	257.8
80°	251.0	95.0	74.6	98.4	108.5	190.0	115.3	142.5	190.0	200.1	179.8
82.5°	105.2	47.5	50.9	61.1	64.4	105.2	81.4	91.6	125.5	122.1	108.5
85°	30.5	30.5	33.9	37.3	37.3	61.1	57.7	54.3	57.7	57.7	47.5
87.5°	20.4	20.4	20.4	23.7	23.7	27.1	30.5	33.9	33.9	33.9	30.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7
2.5°	1719.8	1689.2	1645.1	1638.3	1614.6	1597.6	1614.6	1631.6	1662.1	1665.5	1679.0
5°	1577.3	1506.1	1451.8	1390.7	1360.2	1356.8	1350.0	1370.4	1414.5	1441.6	1462.0
7.5°	1482.3	1353.4	1258.4	1173.6	1143.1	1119.4	1139.7	1136.3	1194.0	1217.7	1238.1
10°	1431.4	1251.7	1109.2	1004.0	963.3	939.6	936.2	943.0	976.9	1000.6	1024.4
12.5°	1465.4	1210.9	1000.6	878.5	834.4	807.3	783.6	783.6	790.3	820.9	831.0
15°	1577.3	1234.7	949.8	817.5	759.8	715.7	685.2	661.4	664.8	668.2	678.4
17.5°	1740.1	1295.7	932.8	780.2	719.1	664.8	634.3	607.2	600.4	600.4	597.0
20°	1896.1	1343.2	919.2	749.6	671.6	624.1	597.0	573.3	563.1	563.1	563.1
22.5°	1960.6	1383.9	902.3	712.3	624.1	580.0	556.3	539.3	535.9	535.9	532.5
25°	1909.7	1370.4	881.9	675.0	580.0	546.1	525.8	508.8	505.4	508.8	505.4
27.5°	1750.3	1322.9	854.8	644.5	546.1	515.6	498.6	481.7	478.3	481.7	481.7
30°	1580.7	1241.5	810.7	620.7	519.0	485.1	468.1	451.1	451.1	454.5	457.9
32.5°	1445.0	1160.1	759.8	590.2	488.5	457.9	441.0	424.0	424.0	430.8	430.8
35°	1329.7	1095.6	708.9	559.7	461.3	427.4	413.8	400.3	396.9	403.6	407.0
37.5°	1238.1	1038.0	654.7	529.2	434.2	403.6	390.1	373.1	369.7	376.5	383.3
40°	1143.1	973.5	607.2	491.8	407.0	376.5	362.9	342.6	342.6	349.4	356.2
42.5°	1051.5	915.8	576.6	457.9	379.9	346.0	332.4	315.5	315.5	322.2	329.0
45°	976.9	861.6	559.7	424.0	349.4	318.8	301.9	288.3	291.7	298.5	305.3
47.5°	905.7	803.9	563.1	407.0	329.0	288.3	271.4	261.2	268.0	278.1	284.9
50°	851.4	763.2	566.5	379.9	301.9	264.6	247.6	240.8	251.0	261.2	268.0
52.5°	817.5	722.5	546.1	346.0	281.5	240.8	230.7	230.7	240.8	247.6	254.4
55°	783.6	654.7	502.0	308.7	261.2	223.9	217.1	217.1	227.3	234.0	237.4
57.5°	756.4	583.4	451.1	278.1	237.4	206.9	206.9	206.9	210.3	213.7	220.5
60°	705.5	508.8	386.7	254.4	213.7	193.3	190.0	190.0	186.6	190.0	200.1
62.5°	617.3	427.4	329.0	227.3	193.3	176.4	173.0	162.8	152.6	156.0	162.8
65°	*522.4*	*339.2*	*274.8*	*196.7*	*166.2*	*156.0*	*152.6*	*135.7*	*122.1*	*125.5*	*135.7*
67.5°	417.2	254.4	230.7	169.6	142.5	132.3	132.3	122.1	111.9	111.9	118.7
70°	325.6	213.7	173.0	135.7	111.9	111.9	118.7	108.5	95.0	95.0	105.2
72.5°	264.6	173.0	139.1	105.2	88.2	95.0	98.4	88.2	78.0	78.0	84.8
75°	206.9	135.7	108.5	78.0	67.8	71.2	78.0	71.2	61.1	64.4	67.8
77.5°	142.5	91.6	71.2	57.7	50.9	54.3	54.3	50.9	47.5	47.5	50.9
80°	95.0	61.1	47.5	40.7	37.3	37.3	33.9	33.9	37.3	37.3	40.7
82.5°	67.8	44.1	37.3	30.5	23.7	23.7	27.1	27.1	30.5	30.5	33.9
85°	40.7	30.5	27.1	20.4	17.0	20.4	20.4	23.7	27.1	27.1	30.5
87.5°	30.5	23.7	20.4	17.0	13.6	13.6	17.0	17.0	20.4	23.7	23.7
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: P1365277
CATALOG NUMBER: GSS-SB2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7	1909.7
2.5°	1713.0	1753.7	1811.3	1862.2	1923.3	1984.3	2042.0	2096.3	2099.7	2103.0
5°	1526.4	1607.8	1702.8	1818.1	1940.2	2059.0	2184.5	2286.2	2310.0	2323.5
7.5°	1319.5	1438.2	1584.1	1746.9	1930.1	2113.2	2289.6	2442.3	2499.9	2513.5
10°	1102.4	1248.3	1424.6	1635.0	1882.6	2126.8	2364.2	2550.8	2618.6	2632.2
12.5°	909.1	1027.8	1231.3	1485.7	1784.2	2106.4	2391.4	2598.3	2666.1	2683.1
15°	742.9	854.8	1044.7	1312.7	1648.5	2035.2	2371.0	2608.5	2676.3	2689.9
17.5°	614.0	685.2	858.2	1149.9	1526.4	1943.6	2343.9	2615.2	2679.7	2689.9
20°	563.1	576.6	668.2	953.2	1397.5	1875.8	2326.9	2625.4	2689.9	2700.0
22.5°	539.3	539.3	559.7	725.9	1217.7	1804.6	2320.1	2655.9	2703.4	2713.6
25°	515.6	515.6	522.4	569.9	1004.0	1716.4	2333.7	2710.2	2740.7	2740.7
27.5°	491.8	491.8	498.6	508.8	746.2	1570.5	2337.1	2771.3	2784.8	2774.7
30°	468.1	474.9	474.9	481.7	549.5	1387.3	2316.7	2839.1	2839.1	2818.8
32.5°	444.4	447.7	454.5	457.9	478.3	1149.9	2282.8	2923.9	2907.0	2879.8
35°	424.0	427.4	427.4	434.2	454.5	919.2	2245.5	3039.2	2991.8	2961.2
37.5°	396.9	400.3	403.6	410.4	430.8	729.3	2191.2	3137.6	3103.7	3063.0
40°	373.1	376.5	379.9	386.7	407.0	627.5	2123.4	3286.9	3280.1	3232.6
42.5°	346.0	352.8	356.2	359.6	386.7	573.3	2075.9	3527.7	3527.7	3470.0
45°	322.2	329.0	329.0	335.8	373.1	525.8	2181.1	3860.1	3887.2	3833.0
47.5°	301.9	305.3	305.3	308.7	352.8	485.1	2462.6	4368.9	4335.0	4297.7
50°	281.5	288.3	281.5	284.9	335.8	508.8	2927.3	5020.2	5108.4	5043.9
52.5°	268.0	271.4	257.8	257.8	312.1	539.3	3307.2	5851.2	6146.3	6068.3
55°	251.0	254.4	237.4	237.4	274.8	468.1	3331.0	6797.6	7445.5	7496.4
57.5°	234.0	234.0	220.5	217.1	237.4	379.9	2954.4	7530.3	8999.0	9114.3
60°	213.7	210.3	203.5	196.7	217.1	349.4	2252.3	7431.9	9769.0	10169.3
62.5°	183.2	190.0	186.6	173.0	196.7	325.6	1468.7	6431.3	8900.6	9253.4
65°	*152.6*	*162.8*	*162.8*	*152.6*	*217.1*	*284.9*	*773.4*	*5149.1*	*7428.5*	*7852.5*
67.5°	135.7	142.5	139.1	132.3	193.3	179.8	373.1	3948.3	6360.0	6767.1
70°	118.7	125.5	115.3	108.5	156.0	128.9	220.5	2642.4	5250.8	5647.7
72.5°	98.4	105.2	95.0	84.8	115.3	98.4	145.9	1719.8	4372.3	4813.3
75°	81.4	84.8	78.0	67.8	84.8	78.0	101.8	1122.8	3656.6	3982.2
77.5°	57.7	64.4	61.1	50.9	61.1	54.3	71.2	641.1	2550.8	2795.0
80°	44.1	44.1	44.1	40.7	37.3	37.3	47.5	288.3	1238.1	1377.2
82.5°	37.3	37.3	33.9	30.5	27.1	23.7	27.1	84.8	583.4	617.3
85°	33.9	27.1	23.7	20.4	17.0	10.2	10.2	23.7	118.7	98.4
87.5°	20.4	17.0	13.6	6.8	3.4	3.4	0.0	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

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

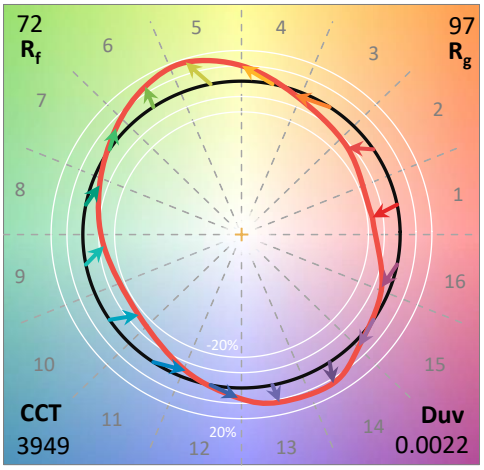
Test Information

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

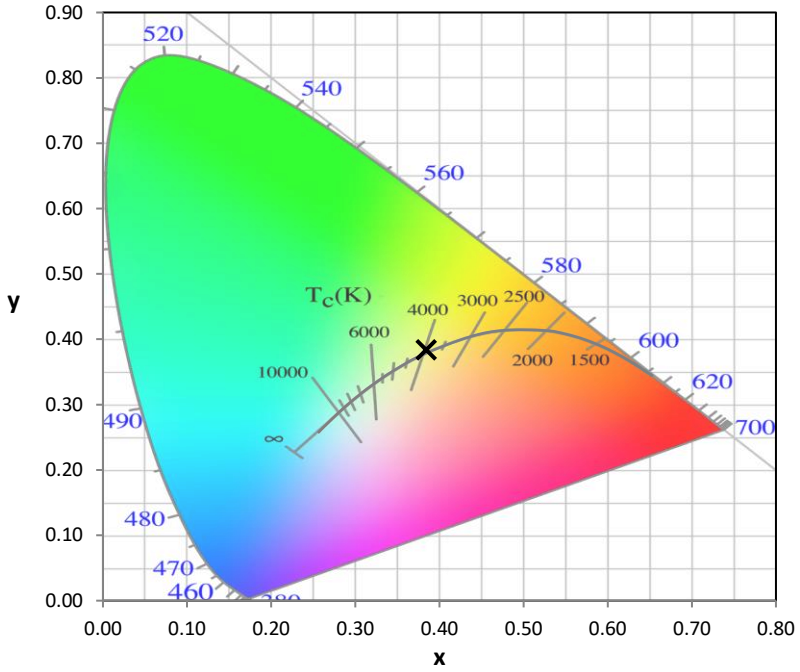
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

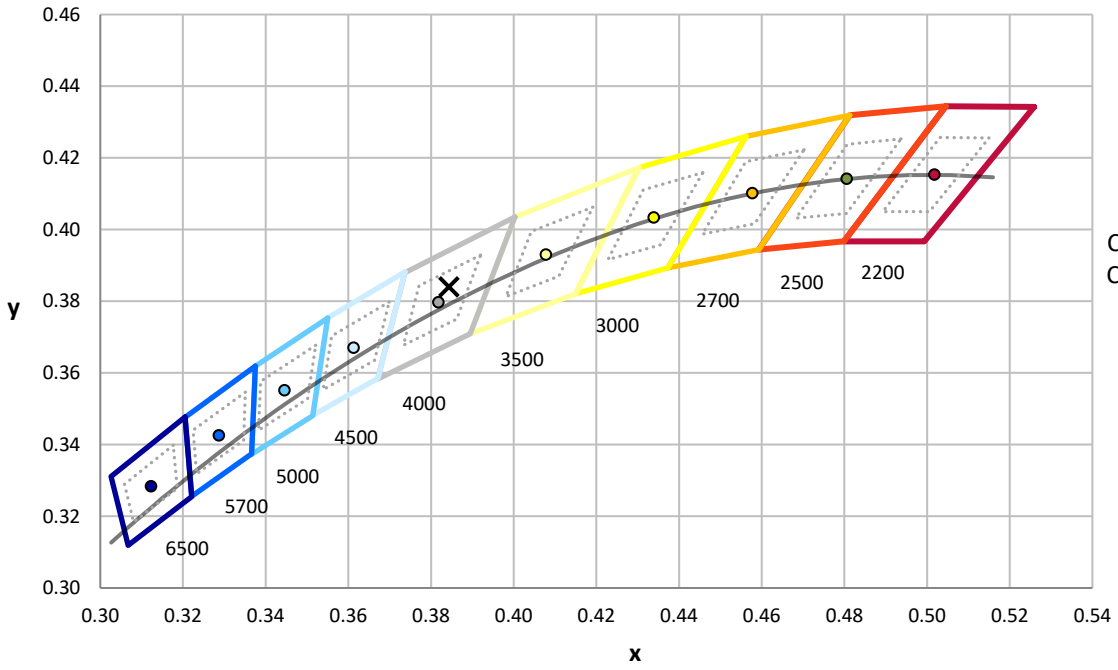
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

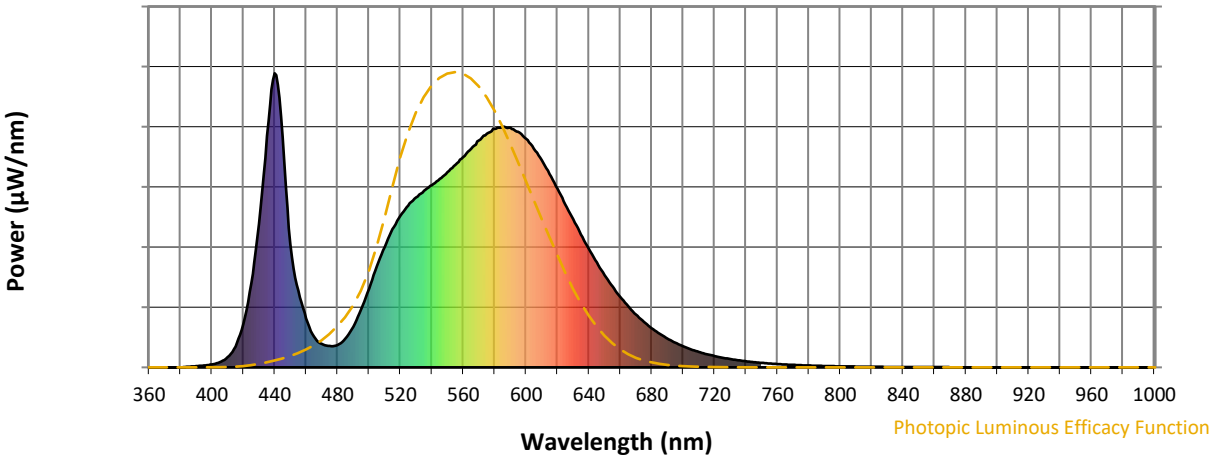


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

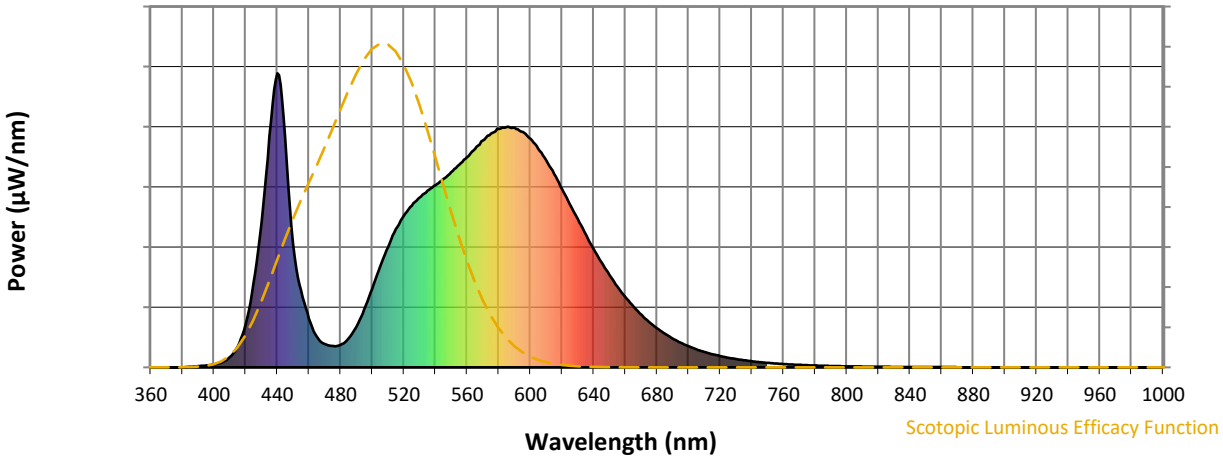


Photopic Lumens: NR

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

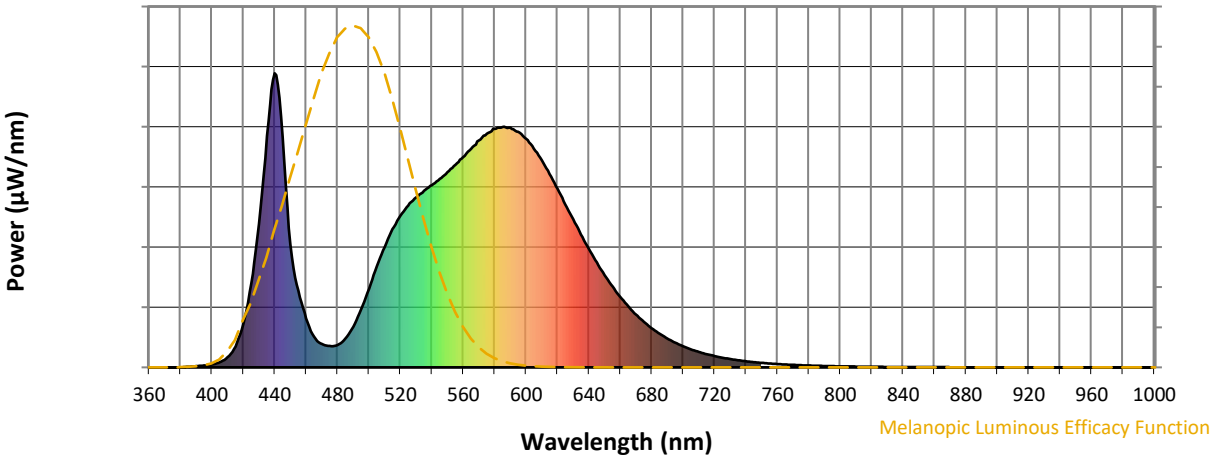


Scotopic Lumens: NR **S/P: 1.47**

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			

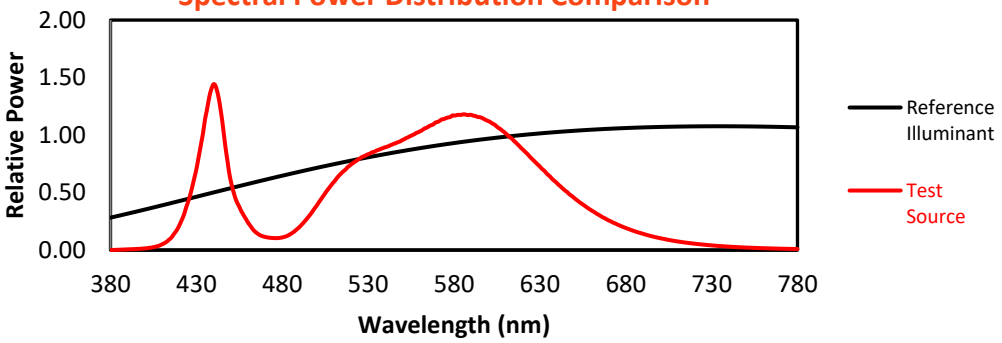
REPORT NUMBER: SP1-2407-184-1

TM-30-18

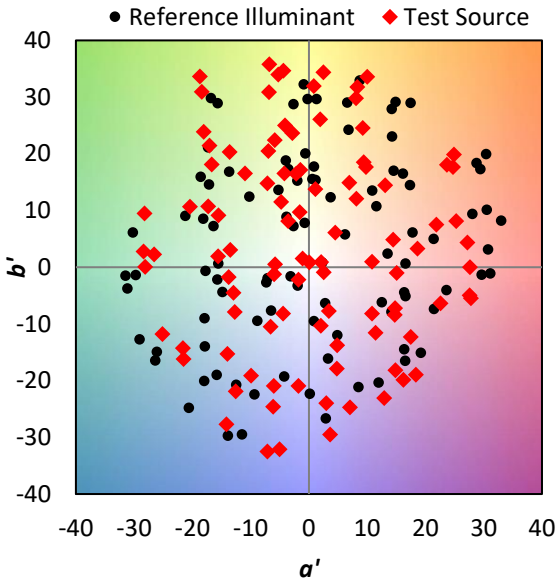
Summary

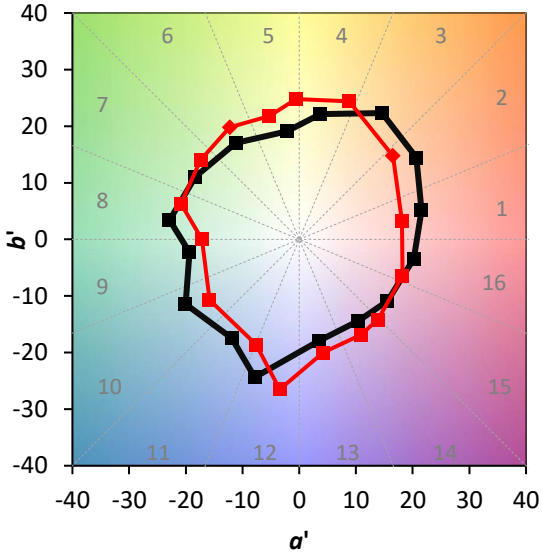
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

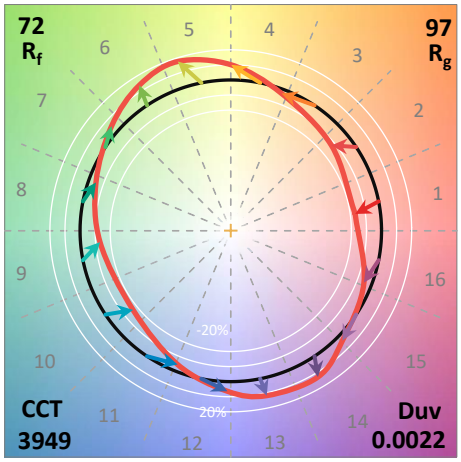
Spectral Power Distribution Comparison

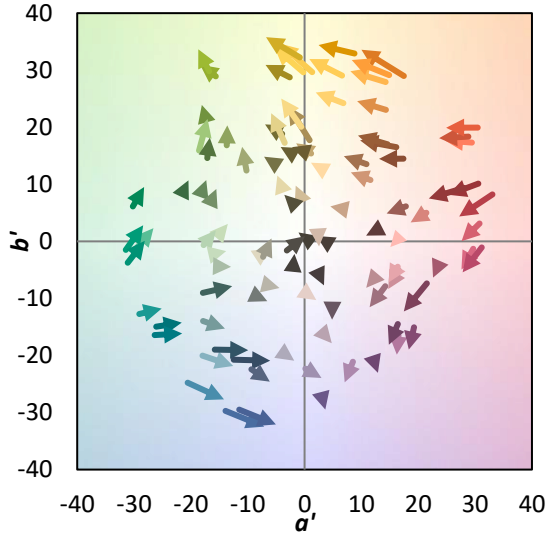


Color Vector Graphics







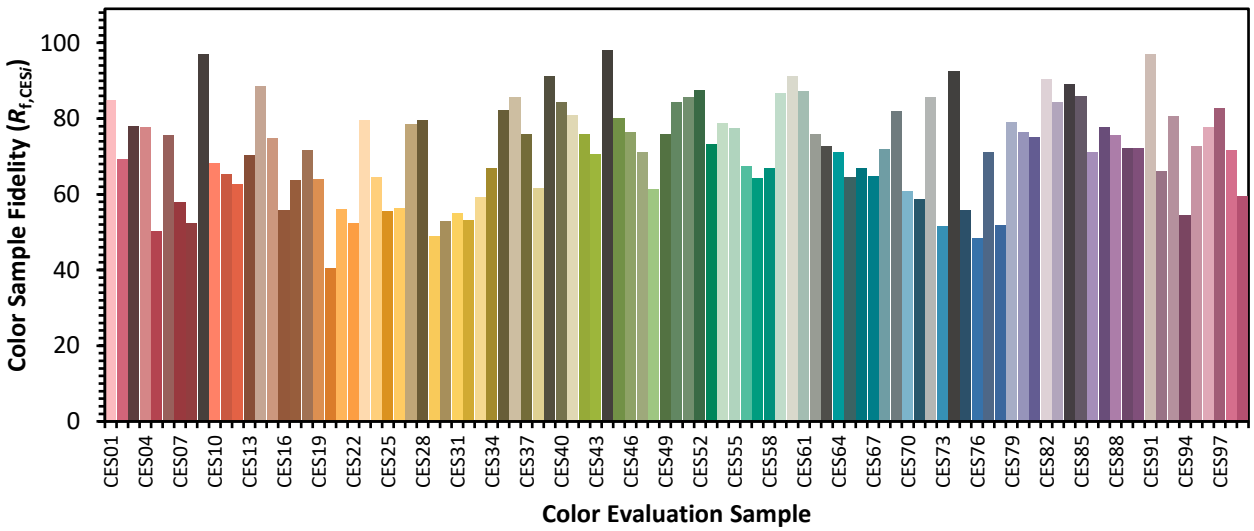


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

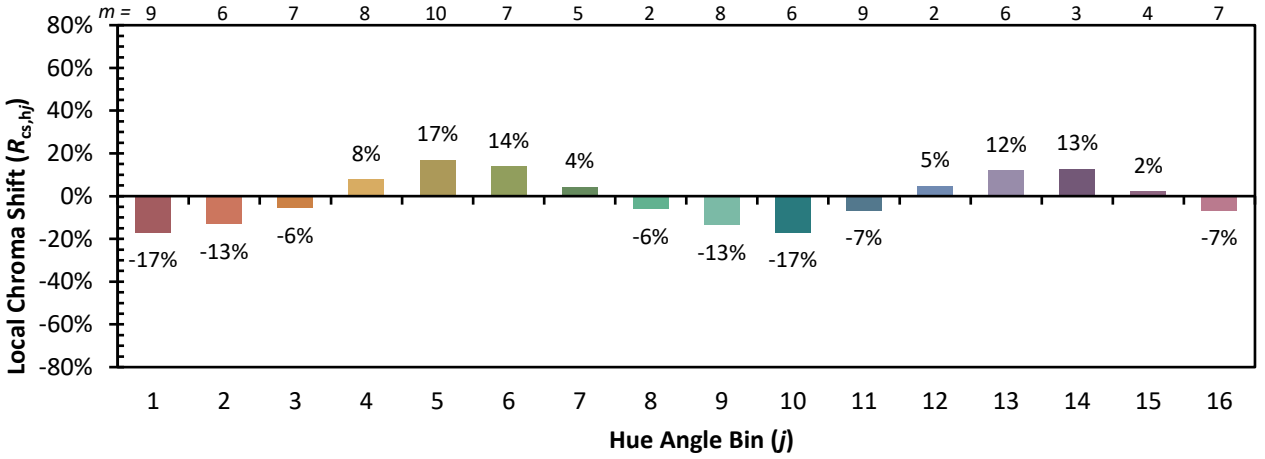
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

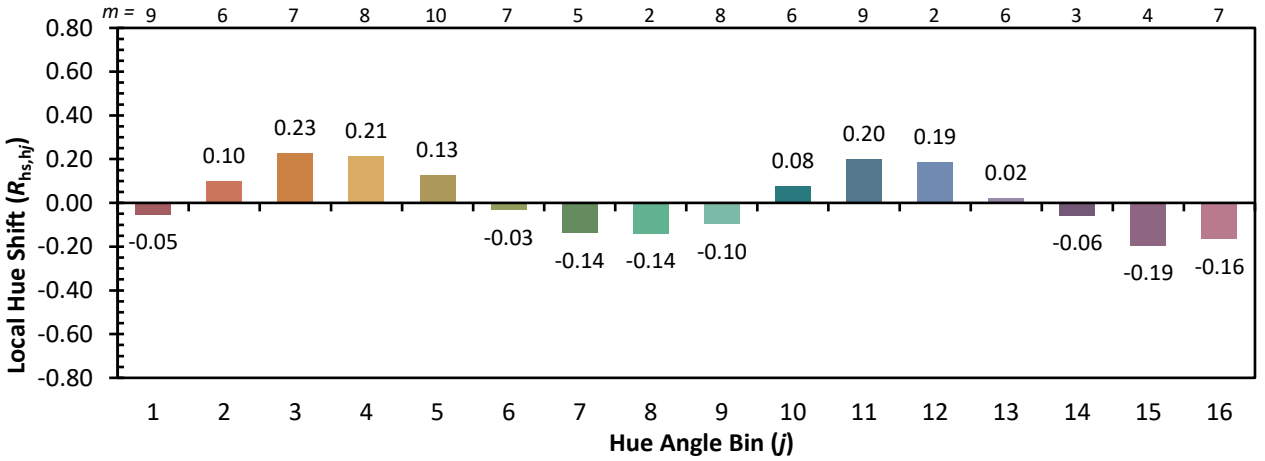


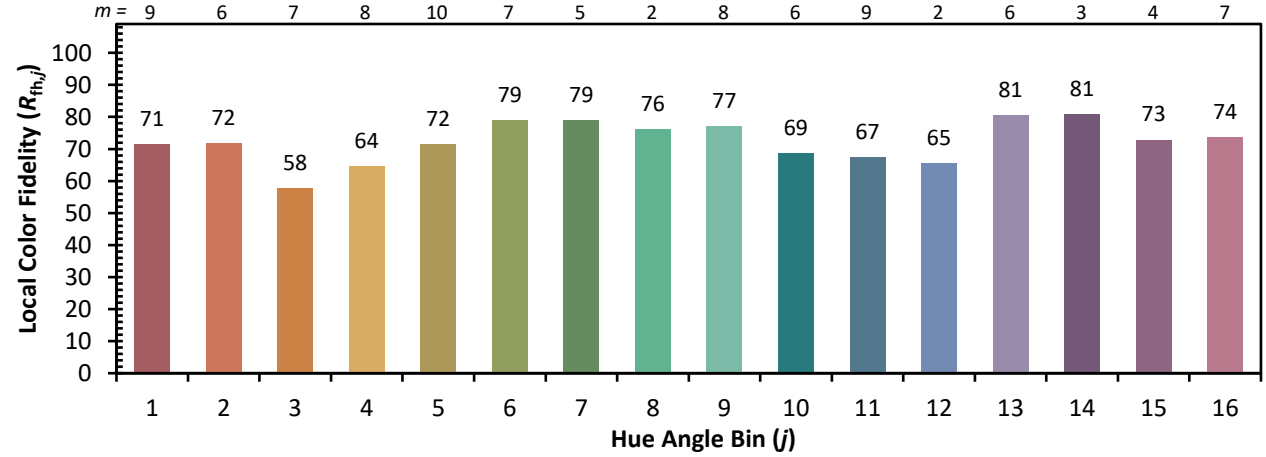
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Color Rendition by Hue-Angle Bin



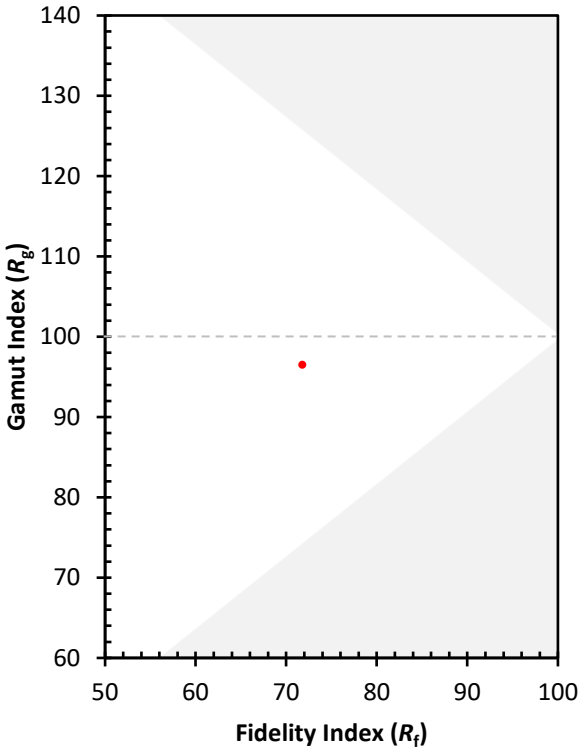


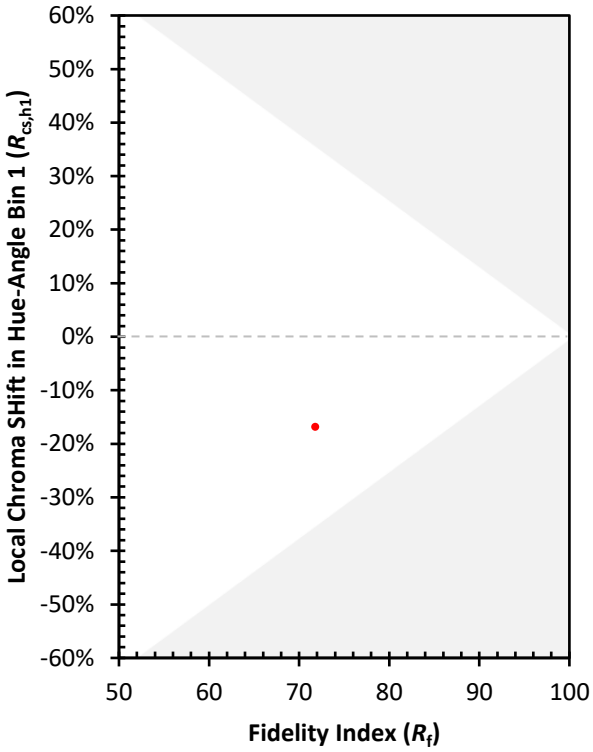


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Measure Comparisons





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