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: P1365280

Luminaire Tested: **GSS-SB3B-740-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365280
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-740-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12627.3 lumens
Efficiency:	N/A
Efficacy:	115.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

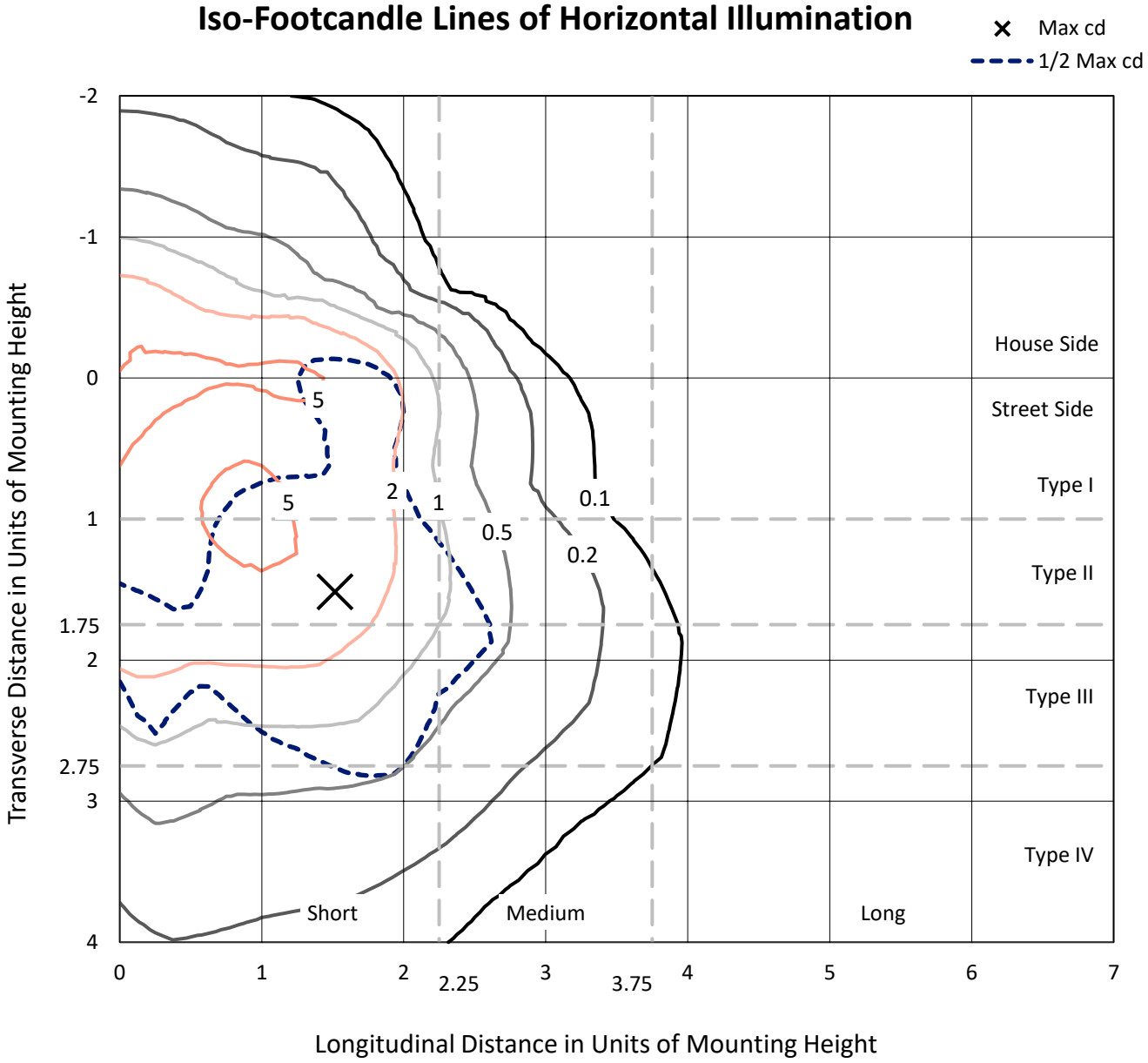
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



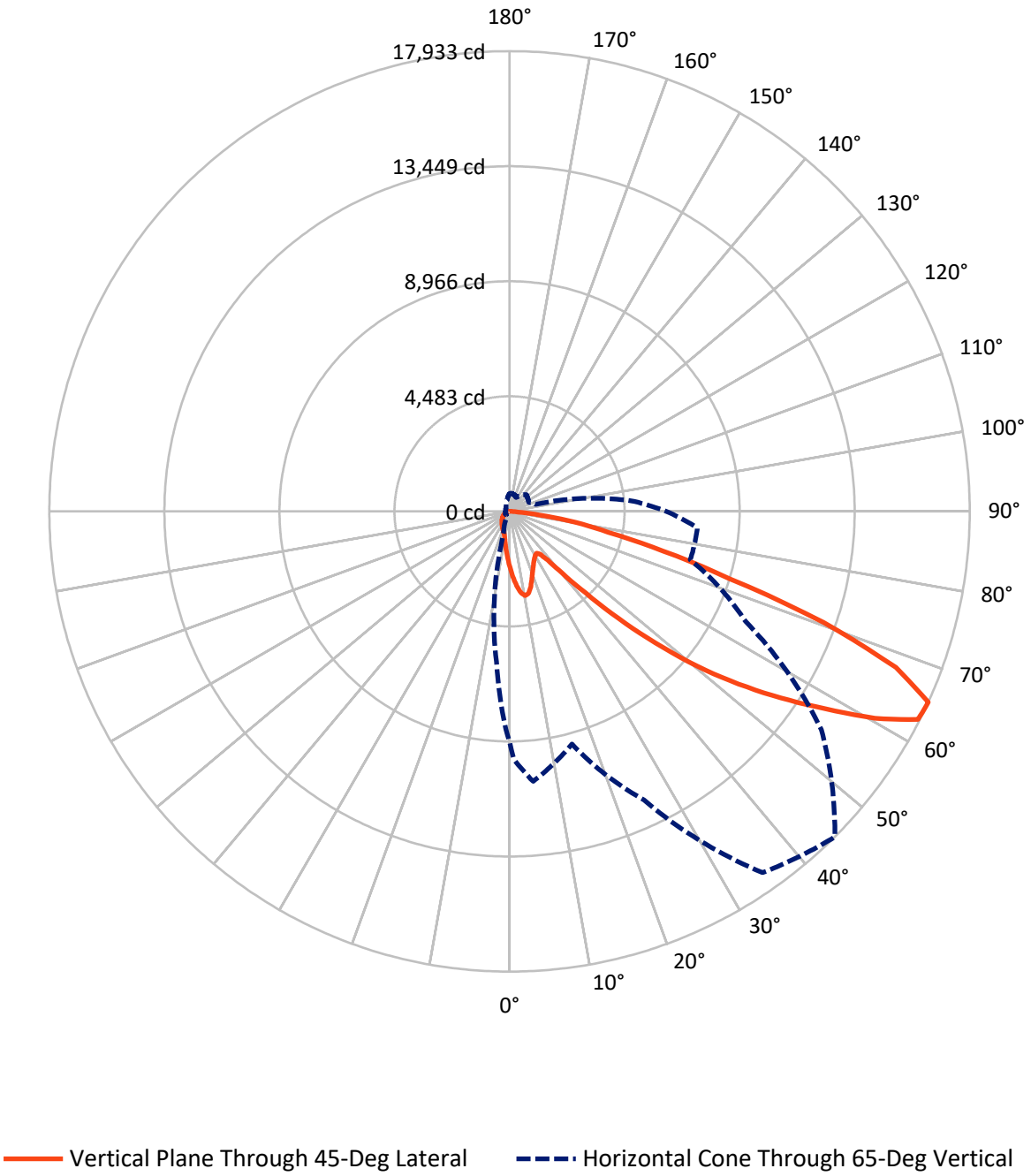
Based on 20 foot mounting height. Maximum calculated value = 8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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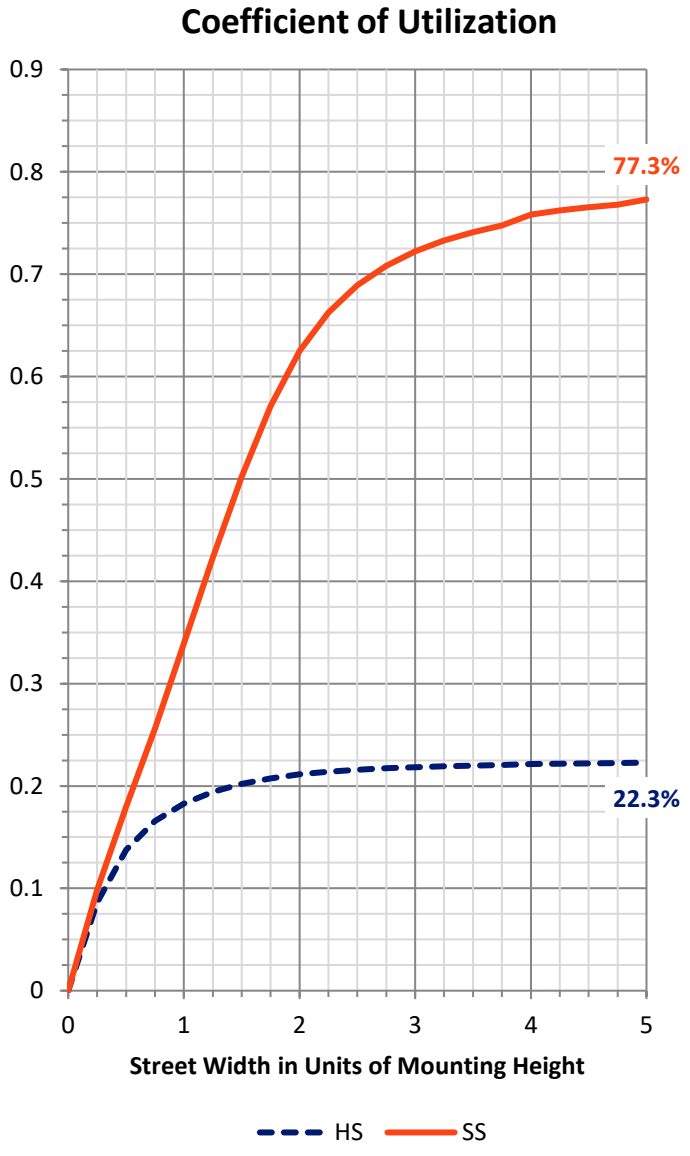
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2840.5	0.0	2840.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	9786.8	0.0	9786.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	12627.3	0.0	12627.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	1.7
10°-20°	579.8	4.6
20°-30°	830.5	6.6
30°-40°	1041.8	8.3
40°-50°	1711.3	13.6
50°-60°	3089.9	24.5
60°-70°	3430.2	27.2
70°-80°	1550.5	12.3
80°-90°	183.5	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°	12627.3	100.0
0°-180°	12627.3	100.0



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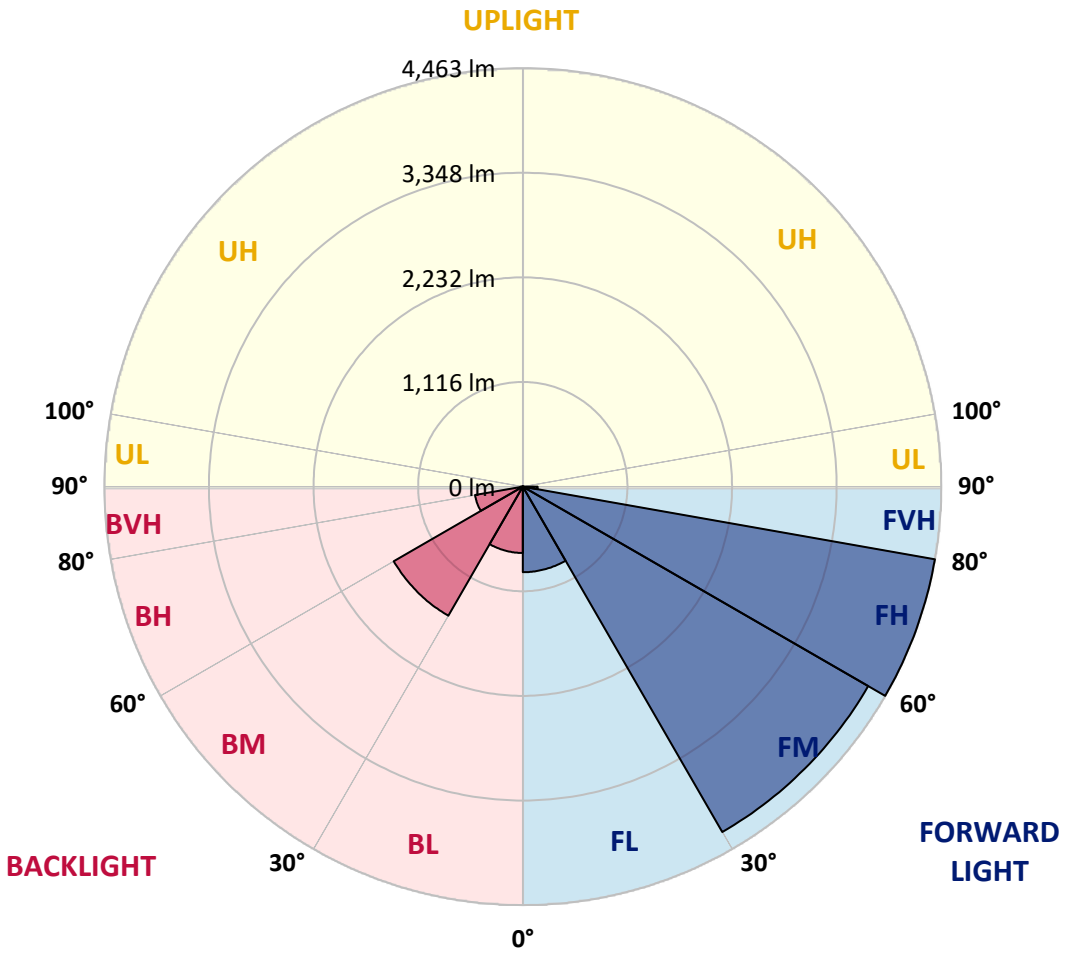
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	912.2	7.2			
FM	(30°-60°)	4253.7	33.7			
FH	(60°-80°)	4463.4	35.3			G2/5000
FVH	(80°-90°)	157.6	1.2			G2/225
BL	(0°-30°)	707.8	5.6	B2/1000		
BM	(30°-60°)	1589.3	12.6	B2/2500		
BH	(60°-80°)	517.4	4.1	B2/1000		G2/1000
BVH	(80°-90°)	25.9	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°	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5
2.5°	2402.4	2433.4	2429.5	2472.1	2510.9	2538.0	2561.3	2553.5	2534.1	2495.4	2468.3
5°	2654.2	2677.5	2716.2	2797.6	2859.6	2913.9	2906.1	2913.9	2855.7	2797.6	2727.9
7.5°	2871.2	2898.4	2952.6	3068.9	3146.4	3212.2	3204.5	3181.2	3115.4	3018.5	2913.9
10°	3006.9	3026.2	3084.4	3216.1	3305.2	3359.5	3340.1	3301.3	3216.1	3119.2	2995.2
12.5°	3065.0	3088.2	3138.6	3243.2	3301.3	3289.7	3282.0	3274.2	3231.6	3158.0	3045.6
15°	3072.7	3088.2	3127.0	3173.5	3150.2	3084.4	3068.9	3127.0	3181.2	3165.7	3072.7
17.5°	3072.7	3096.0	3103.7	3057.2	2937.1	2817.0	2801.5	2898.4	3049.5	3169.6	3115.4
20°	3084.4	3096.0	3080.5	2929.4	2704.6	2572.9	2545.8	2665.9	2890.6	3127.0	3158.0
22.5°	3099.9	3111.5	3045.6	2778.2	2514.8	2375.3	2359.8	2448.9	2712.4	3065.0	3204.5
25°	3130.9	3123.1	3022.4	2646.5	2348.1	2216.4	2193.1	2309.4	2565.1	3003.0	3282.0
27.5°	3169.6	3134.7	2991.4	2538.0	2228.0	2088.5	2073.0	2185.4	2441.1	2925.5	3347.8
30°	3220.0	3185.1	2987.5	2452.8	2138.9	1999.4	1980.0	2104.0	2355.9	2871.2	3440.8
32.5°	3289.7	3239.3	2991.4	2386.9	2088.5	1956.8	1945.2	2076.9	2321.0	2840.2	3537.7
35°	3382.7	3309.1	3006.9	2363.6	2104.0	2014.9	2042.0	2142.8	2355.9	2863.5	3696.6
37.5°	3499.0	3429.2	3084.4	2414.0	2274.5	2336.5	2406.3	2445.0	2522.5	2972.0	3952.3
40°	3692.7	3595.8	3200.6	2576.8	2731.7	3022.4	3158.0	3142.5	2964.2	3220.0	4312.7
42.5°	3963.9	3874.8	3437.0	2991.4	3495.1	4111.2	4339.8	4208.0	3669.5	3615.2	4905.5
45°	4378.5	4231.3	3754.7	3607.5	4417.3	5428.6	5944.0	5490.6	4564.5	4239.0	5750.2
47.5°	4909.4	4762.1	4250.7	4223.5	5448.0	7056.0	7668.3	6777.1	5451.9	5056.6	6761.6
50°	5761.9	5599.1	4979.1	4851.3	6587.2	8679.6	9497.2	8059.6	6354.7	5924.6	8009.2
52.5°	6932.0	6823.6	6133.8	5498.4	7606.3	10469.8	11175.0	9400.3	7052.2	6916.5	9369.3
55°	8563.3	8458.7	7637.3	6219.1	8571.1	12263.8	12833.4	10620.9	7660.5	8079.0	10791.4
57.5°	10411.6	10586.0	9694.8	7180.0	9586.3	13709.1	14503.4	11729.1	8482.0	9632.8	12372.3
60°	11616.7	12166.9	12054.6	8857.8	11163.3	15507.0	16371.1	13213.1	9683.2	10775.9	12337.4
62.5°	10570.5	11120.7	11980.9	10803.0	12682.3	17134.4	17862.9	14774.7	10876.6	9865.3	10361.3
65°	8970.2	9656.0	10562.7	9384.8	12414.9	17184.8	17932.6	14832.8	10148.1	7292.4	7346.7
67.5°	7730.3	8338.6	9454.5	7986.0	11004.5	15650.4	16239.4	13232.5	8389.0	4835.8	4793.1
70°	6451.6	7009.5	8420.0	7110.3	9640.5	13488.2	12980.6	11124.6	7090.9	3212.2	2662.0
72.5°	5498.4	6013.7	7482.3	6389.6	7648.9	10930.9	8946.9	9229.8	5769.6	2042.0	1813.4
75°	4549.0	5021.8	6362.4	5785.1	6327.6	6819.7	6184.2	6556.2	4754.4	1732.0	1398.8
77.5°	3192.8	3487.3	4463.8	4603.3	4924.9	4037.6	3921.3	4591.7	3382.7	860.2	589.0
80°	1573.2	1755.3	2328.8	2739.5	2328.8	2290.0	2611.6	3057.2	1755.3	527.0	325.5
82.5°	705.2	837.0	1073.3	1658.4	840.8	914.5	1154.7	1627.4	798.2	313.9	139.5
85°	112.4	124.0	209.2	279.0	228.6	352.6	337.1	317.7	170.5	85.2	38.7
87.5°	3.9	3.9	3.9	7.7	11.6	15.5	19.4	19.4	19.4	19.4	19.4
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°	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5
2.5°	2460.5	2448.9	2390.8	2332.6	2282.3	2231.9	2181.5	2111.8	2057.5	2011.0	1991.7
5°	2693.0	2631.0	2541.9	2445.0	2359.8	2262.9	2169.9	2065.3	1980.0	1890.9	1844.4
7.5°	2851.9	2789.9	2642.6	2495.4	2390.8	2286.1	2189.3	2073.0	1960.7	1832.8	1763.0
10°	2925.5	2855.7	2696.9	2526.4	2398.5	2293.9	2204.8	2107.9	1995.5	1836.7	1743.7
12.5°	2975.9	2890.6	2708.5	2534.1	2406.3	2297.8	2212.5	2142.8	2076.9	1921.9	1813.4
15°	3006.9	2929.4	2739.5	2538.0	2394.6	2266.8	2185.4	2162.1	2173.8	2100.2	1968.4
17.5°	3053.4	2979.7	2778.2	2561.3	2375.3	2200.9	2111.8	2162.1	2266.8	2290.0	2185.4
20°	3115.4	3037.9	2828.6	2580.6	2317.1	2076.9	1991.7	2119.5	2293.9	2414.0	2355.9
22.5°	3185.1	3123.1	2886.7	2600.0	2231.9	1914.2	1875.4	2030.4	2216.4	2371.4	2375.3
25°	3270.3	3212.2	2968.1	2619.4	2115.6	1774.7	1782.4	1914.2	2061.4	2220.3	2247.4
27.5°	3386.6	3332.3	3068.9	2642.6	1995.5	1662.3	1701.0	1797.9	1898.7	1995.5	2034.3
30°	3514.5	3471.8	3189.0	2689.1	1883.2	1596.4	1619.7	1685.5	1766.9	1825.0	1844.4
32.5°	3688.8	3619.1	3301.3	2685.2	1797.9	1565.4	1542.2	1561.6	1627.4	1685.5	1689.4
35°	3905.8	3851.6	3417.6	2615.5	1720.4	1549.9	1468.6	1456.9	1495.7	1553.8	1549.9
37.5°	4223.5	4177.1	3607.5	2507.0	1623.5	1511.2	1391.1	1352.3	1379.4	1418.2	1429.8
40°	4700.2	4580.0	3824.4	2386.9	1526.7	1441.4	1298.1	1243.8	1263.2	1305.8	1313.6
42.5°	5347.2	5118.6	4115.1	2224.1	1433.7	1336.8	1205.1	1146.9	1158.6	1197.3	1205.1
45°	6176.5	5831.6	4514.2	2053.7	1360.1	1228.3	1108.2	1046.2	1057.8	1100.4	1119.8
47.5°	7145.2	6672.4	4932.6	1871.5	1317.4	1143.1	1011.3	964.8	992.0	1034.6	1042.3
50°	8288.2	7811.6	5200.0	1724.3	1290.3	1077.2	922.2	902.8	937.7	972.6	980.3
52.5°	9535.9	8857.8	5029.5	1604.2	1267.1	1053.9	860.2	868.0	895.1	930.0	941.6
55°	10748.7	9241.4	4463.8	1449.2	1239.9	1069.4	813.7	833.1	868.0	895.1	902.8
57.5°	11539.2	8919.8	3595.8	1286.4	1208.9	1081.1	790.5	806.0	844.7	875.7	879.6
60°	10849.5	8214.6	2693.0	1146.9	1143.1	1061.7	782.7	759.5	813.7	840.8	844.7
62.5°	8888.8	6718.9	1720.4	1015.2	1019.1	1019.1	778.8	682.0	751.7	775.0	771.1
65°	*6106.7*	*4750.5*	*1065.6*	*829.2*	*868.0*	*926.1*	*755.6*	*600.6*	*682.0*	*705.2*	*697.5*
67.5°	4014.3	3018.5	658.7	639.3	713.0	802.1	709.1	538.6	612.2	627.7	604.5
70°	2177.6	1422.1	434.0	418.5	558.0	631.6	600.6	484.4	546.3	561.8	538.6
72.5°	1437.6	817.6	306.1	306.1	437.9	441.7	492.1	434.0	484.4	499.9	476.6
75°	1081.1	527.0	213.1	236.4	279.0	344.9	352.6	364.2	410.7	430.1	406.9
77.5°	496.0	193.7	127.9	174.4	193.7	263.5	224.7	271.2	306.1	313.9	294.5
80°	286.7	108.5	85.2	112.4	124.0	217.0	131.7	162.7	217.0	228.6	205.4
82.5°	120.1	54.2	58.1	69.7	73.6	120.1	93.0	104.6	143.4	139.5	124.0
85°	34.9	34.9	38.7	42.6	42.6	69.7	65.9	62.0	65.9	65.9	54.2
87.5°	23.2	23.2	23.2	27.1	27.1	31.0	34.9	38.7	38.7	38.7	34.9
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°	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5
2.5°	1964.5	1929.7	1879.3	1871.5	1844.4	1825.0	1844.4	1863.8	1898.7	1902.5	1918.0
5°	1801.8	1720.4	1658.4	1588.7	1553.8	1549.9	1542.2	1565.4	1615.8	1646.8	1670.0
7.5°	1693.3	1546.1	1437.6	1340.7	1305.8	1278.7	1301.9	1298.1	1363.9	1391.1	1414.3
10°	1635.2	1429.8	1267.1	1146.9	1100.4	1073.3	1069.4	1077.2	1115.9	1143.1	1170.2
12.5°	1673.9	1383.3	1143.1	1003.6	953.2	922.2	895.1	895.1	902.8	937.7	949.3
15°	1801.8	1410.4	1084.9	933.8	868.0	817.6	782.7	755.6	759.5	763.3	775.0
17.5°	1987.8	1480.2	1065.6	891.2	821.5	759.5	724.6	693.6	685.8	685.8	682.0
20°	2166.0	1534.4	1050.1	856.3	767.2	713.0	682.0	654.8	643.2	643.2	643.2
22.5°	2239.6	1580.9	1030.7	813.7	713.0	662.6	635.5	616.1	612.2	612.2	608.3
25°	2181.5	1565.4	1007.5	771.1	662.6	623.8	600.6	581.2	577.3	581.2	577.3
27.5°	1999.4	1511.2	976.5	736.2	623.8	589.0	569.6	550.2	546.3	550.2	550.2
30°	1805.7	1418.2	926.1	709.1	592.8	554.1	534.7	515.4	515.4	519.2	523.1
32.5°	1650.7	1325.2	868.0	674.2	558.0	523.1	503.7	484.4	484.4	492.1	492.1
35°	1518.9	1251.6	809.8	639.3	527.0	488.2	472.7	457.2	453.4	461.1	465.0
37.5°	1414.3	1185.7	747.8	604.5	496.0	461.1	445.6	426.2	422.4	430.1	437.9
40°	1305.8	1112.1	693.6	561.8	465.0	430.1	414.6	391.4	391.4	399.1	406.9
42.5°	1201.2	1046.2	658.7	523.1	434.0	395.2	379.7	360.4	360.4	368.1	375.9
45°	1115.9	984.2	639.3	484.4	399.1	364.2	344.9	329.4	333.2	341.0	348.7
47.5°	1034.6	918.3	643.2	465.0	375.9	329.4	310.0	298.4	306.1	317.7	325.5
50°	972.6	871.8	647.1	434.0	344.9	302.2	282.9	275.1	286.7	298.4	306.1
52.5°	933.8	825.3	623.8	395.2	321.6	275.1	263.5	263.5	275.1	282.9	290.6
55°	895.1	747.8	573.5	352.6	298.4	255.7	248.0	248.0	259.6	267.4	271.2
57.5°	864.1	666.5	515.4	317.7	271.2	236.4	236.4	236.4	240.2	244.1	251.9
60°	806.0	581.2	441.7	290.6	244.1	220.9	217.0	217.0	213.1	217.0	228.6
62.5°	705.2	488.2	375.9	259.6	220.9	201.5	197.6	186.0	174.4	178.2	186.0
65°	*596.7*	*387.5*	*313.9*	*224.7*	*189.9*	*178.2*	*174.4*	*155.0*	*139.5*	*143.4*	*155.0*
67.5°	476.6	290.6	263.5	193.7	162.7	151.1	151.1	139.5	127.9	127.9	135.6
70°	372.0	244.1	197.6	155.0	127.9	127.9	135.6	124.0	108.5	108.5	120.1
72.5°	302.2	197.6	158.9	120.1	100.7	108.5	112.4	100.7	89.1	89.1	96.9
75°	236.4	155.0	124.0	89.1	77.5	81.4	89.1	81.4	69.7	73.6	77.5
77.5°	162.7	104.6	81.4	65.9	58.1	62.0	62.0	58.1	54.2	54.2	58.1
80°	108.5	69.7	54.2	46.5	42.6	42.6	38.7	38.7	42.6	42.6	46.5
82.5°	77.5	50.4	42.6	34.9	27.1	27.1	31.0	31.0	34.9	34.9	38.7
85°	46.5	34.9	31.0	23.2	19.4	23.2	23.2	27.1	31.0	31.0	34.9
87.5°	34.9	27.1	23.2	19.4	15.5	15.5	19.4	19.4	23.2	27.1	27.1
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: P1365280
CATALOG NUMBER: GSS-SB3B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5
2.5°	1956.8	2003.3	2069.2	2127.3	2197.0	2266.8	2332.6	2394.6	2398.5	2402.4
5°	1743.7	1836.7	1945.2	2076.9	2216.4	2352.0	2495.4	2611.6	2638.7	2654.2
7.5°	1507.3	1642.9	1809.5	1995.5	2204.8	2414.0	2615.5	2789.9	2855.7	2871.2
10°	1259.3	1425.9	1627.4	1867.7	2150.5	2429.5	2700.7	2913.9	2991.4	3006.9
12.5°	1038.5	1174.1	1406.6	1697.2	2038.2	2406.3	2731.7	2968.1	3045.6	3065.0
15°	848.6	976.5	1193.4	1499.6	1883.2	2324.9	2708.5	2979.7	3057.2	3072.7
17.5°	701.3	782.7	980.3	1313.6	1743.7	2220.3	2677.5	2987.5	3061.1	3072.7
20°	643.2	658.7	763.3	1088.8	1596.4	2142.8	2658.1	2999.1	3072.7	3084.4
22.5°	616.1	616.1	639.3	829.2	1391.1	2061.4	2650.4	3034.0	3088.2	3099.9
25°	589.0	589.0	596.7	651.0	1146.9	1960.7	2665.9	3096.0	3130.9	3130.9
27.5°	561.8	561.8	569.6	581.2	852.5	1794.0	2669.7	3165.7	3181.2	3169.6
30°	534.7	542.5	542.5	550.2	627.7	1584.8	2646.5	3243.2	3243.2	3220.0
32.5°	507.6	511.5	519.2	523.1	546.3	1313.6	2607.8	3340.1	3320.7	3289.7
35°	484.4	488.2	488.2	496.0	519.2	1050.1	2565.1	3471.8	3417.6	3382.7
37.5°	453.4	457.2	461.1	468.9	492.1	833.1	2503.1	3584.2	3545.5	3499.0
40°	426.2	430.1	434.0	441.7	465.0	716.8	2425.6	3754.7	3746.9	3692.7
42.5°	395.2	403.0	406.9	410.7	441.7	654.8	2371.4	4029.8	4029.8	3963.9
45°	368.1	375.9	375.9	383.6	426.2	600.6	2491.5	4409.5	4440.5	4378.5
47.5°	344.9	348.7	348.7	352.6	403.0	554.1	2813.1	4990.8	4952.0	4909.4
50°	321.6	329.4	321.6	325.5	383.6	581.2	3344.0	5734.7	5835.5	5761.9
52.5°	306.1	310.0	294.5	294.5	356.5	616.1	3777.9	6684.1	7021.2	6932.0
55°	286.7	290.6	271.2	271.2	313.9	534.7	3805.1	7765.1	8505.2	8563.3
57.5°	267.4	267.4	251.9	248.0	271.2	434.0	3375.0	8602.1	10279.9	10411.6
60°	244.1	240.2	232.5	224.7	248.0	399.1	2572.9	8489.7	11159.5	11616.7
62.5°	209.2	217.0	213.1	197.6	224.7	372.0	1677.8	7346.7	10167.5	10570.5
65°	*174.4*	*186.0*	*186.0*	*174.4*	*248.0*	*325.5*	*883.5*	*5882.0*	*8485.8*	*8970.2*
67.5°	155.0	162.7	158.9	151.1	220.9	205.4	426.2	4510.3	7265.3	7730.3
70°	135.6	143.4	131.7	124.0	178.2	147.2	251.9	3018.5	5998.2	6451.6
72.5°	112.4	120.1	108.5	96.9	131.7	112.4	166.6	1964.5	4994.6	5498.4
75°	93.0	96.9	89.1	77.5	96.9	89.1	116.2	1282.6	4177.1	4549.0
77.5°	65.9	73.6	69.7	58.1	69.7	62.0	81.4	732.3	2913.9	3192.8
80°	50.4	50.4	50.4	46.5	42.6	42.6	54.2	329.4	1414.3	1573.2
82.5°	42.6	42.6	38.7	34.9	31.0	27.1	31.0	96.9	666.5	705.2
85°	38.7	31.0	27.1	23.2	19.4	11.6	11.6	27.1	135.6	112.4
87.5°	23.2	19.4	15.5	7.7	3.9	3.9	0.0	3.9	3.9	3.9
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

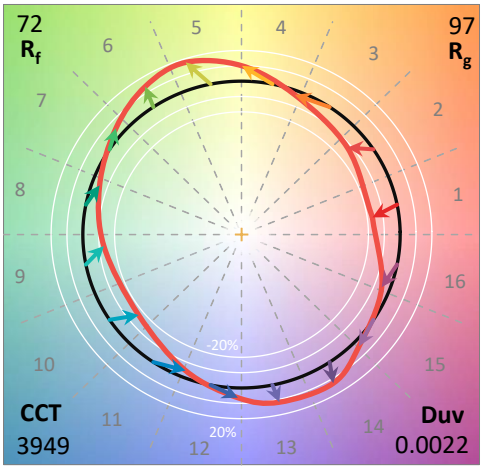
Test Information

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

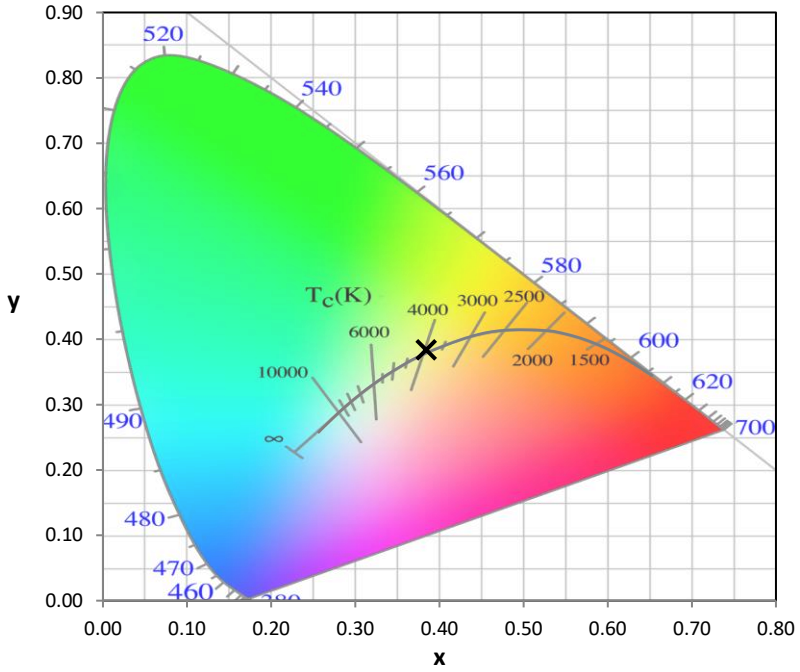
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

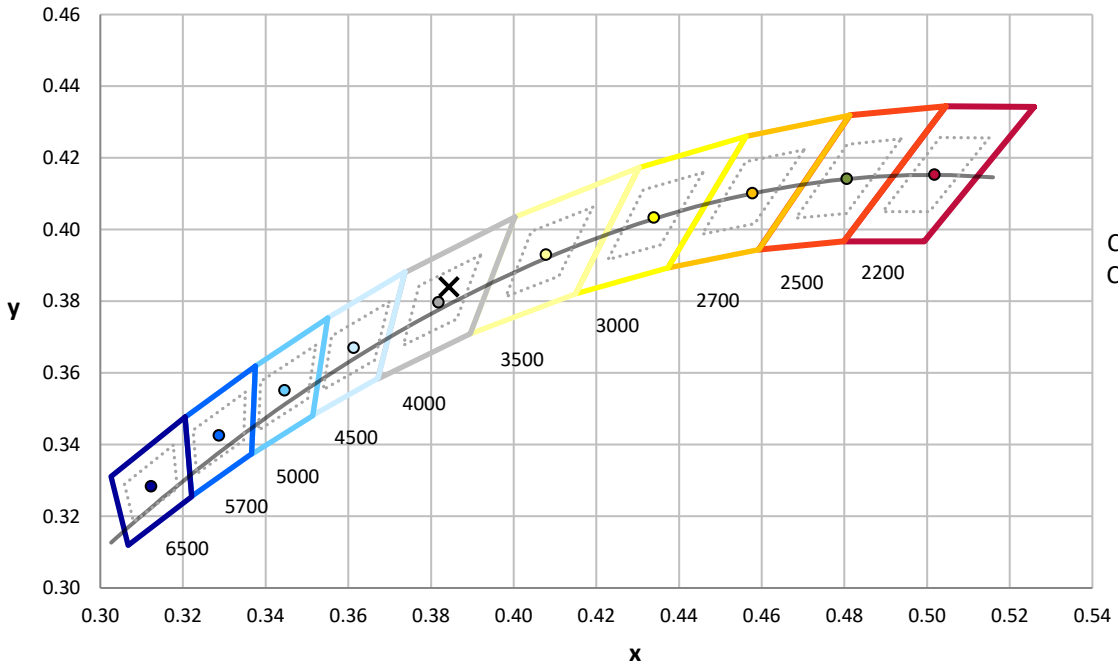
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

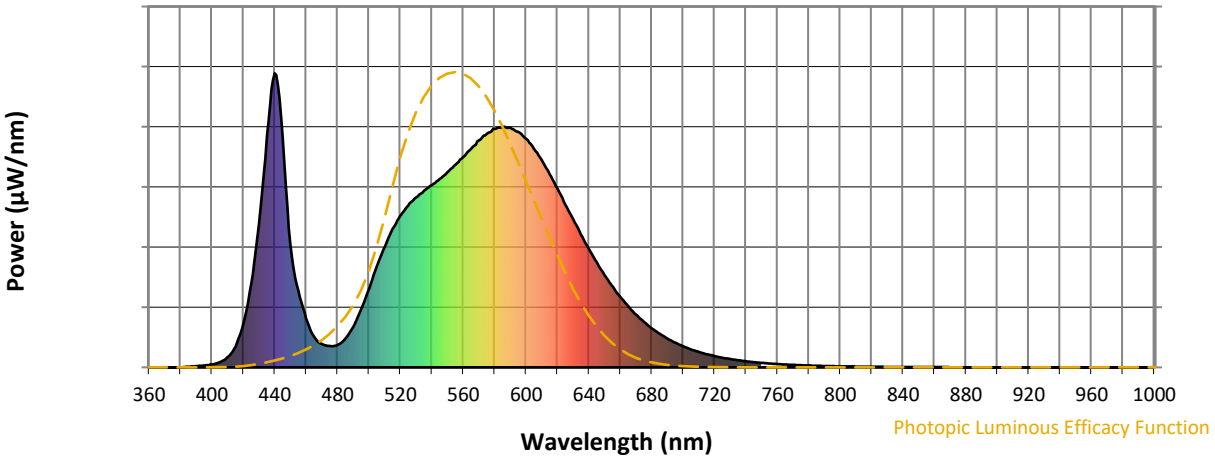


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

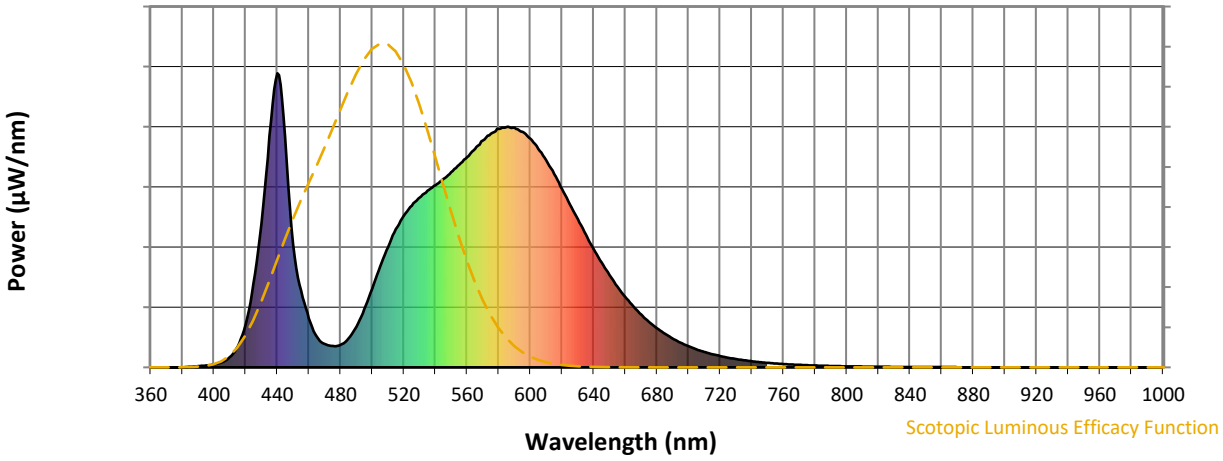


Photopic Lumens: NR

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

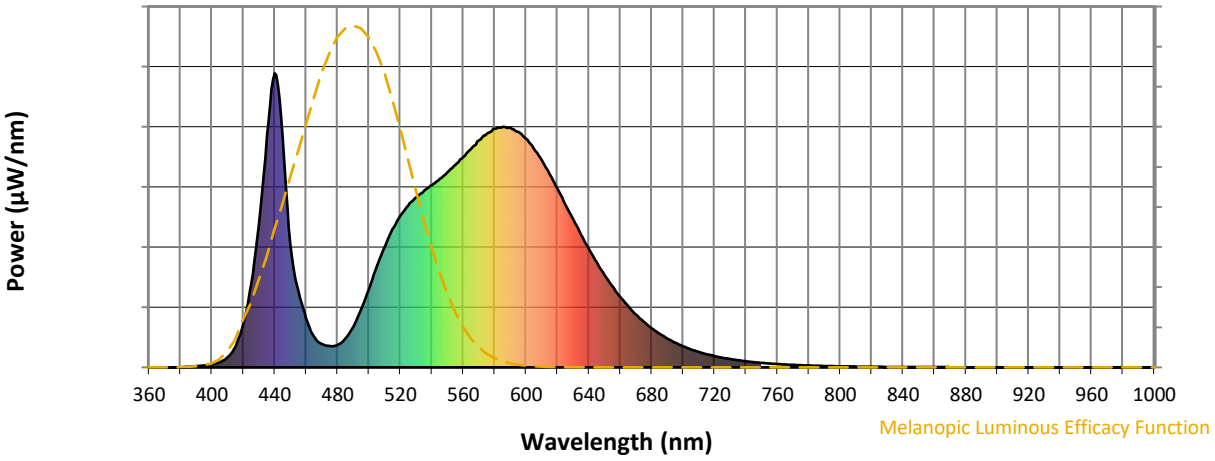


Scotopic Lumens: NR **S/P: 1.47**

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			

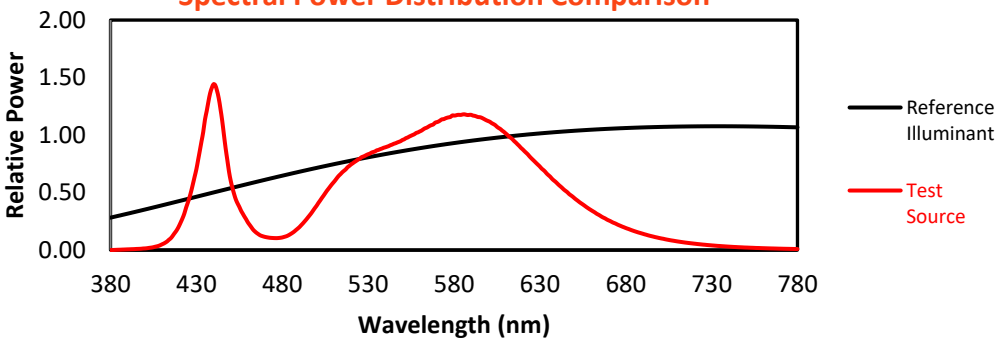
REPORT NUMBER: SP1-2407-184-1

TM-30-18

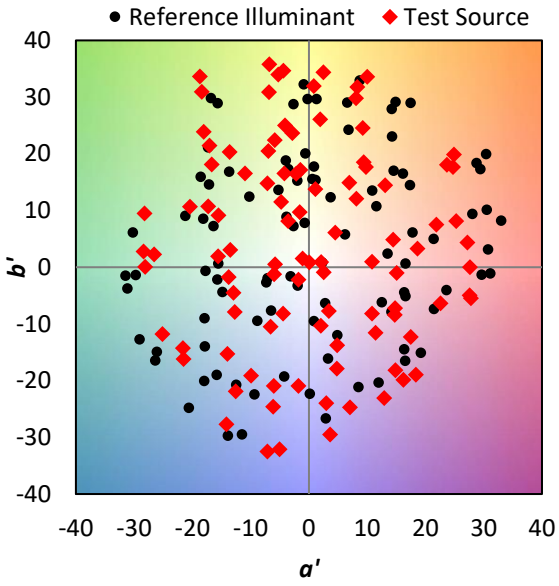
Summary

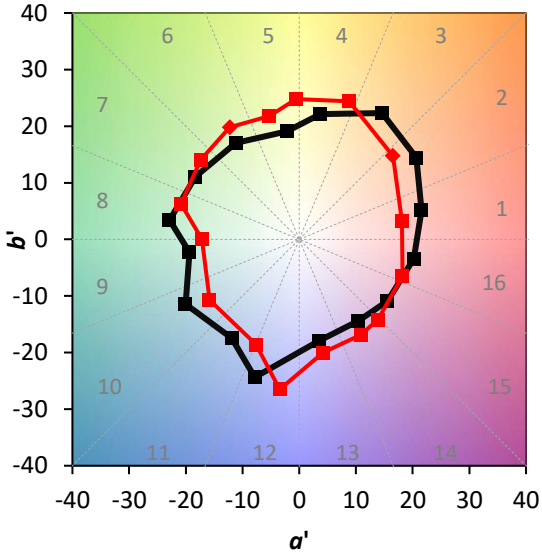
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

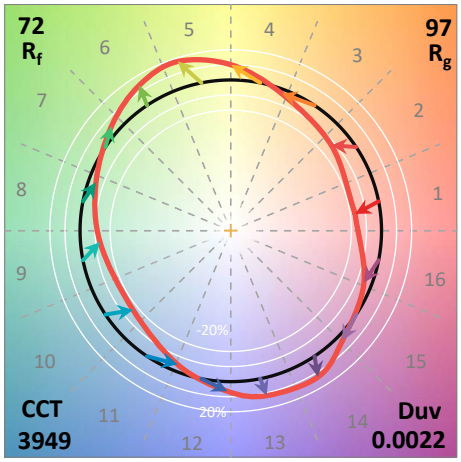
Spectral Power Distribution Comparison

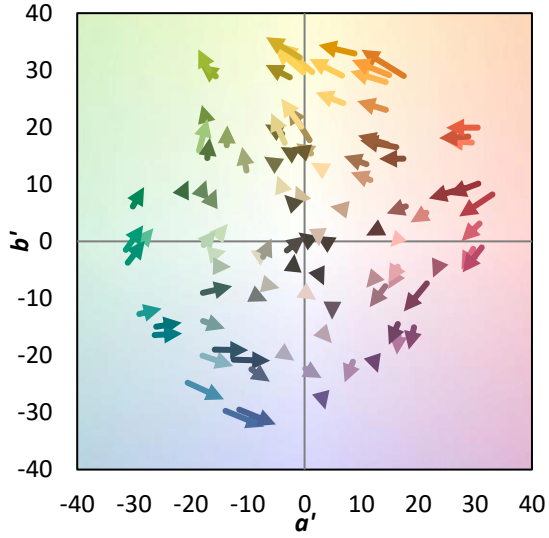


Color Vector Graphics







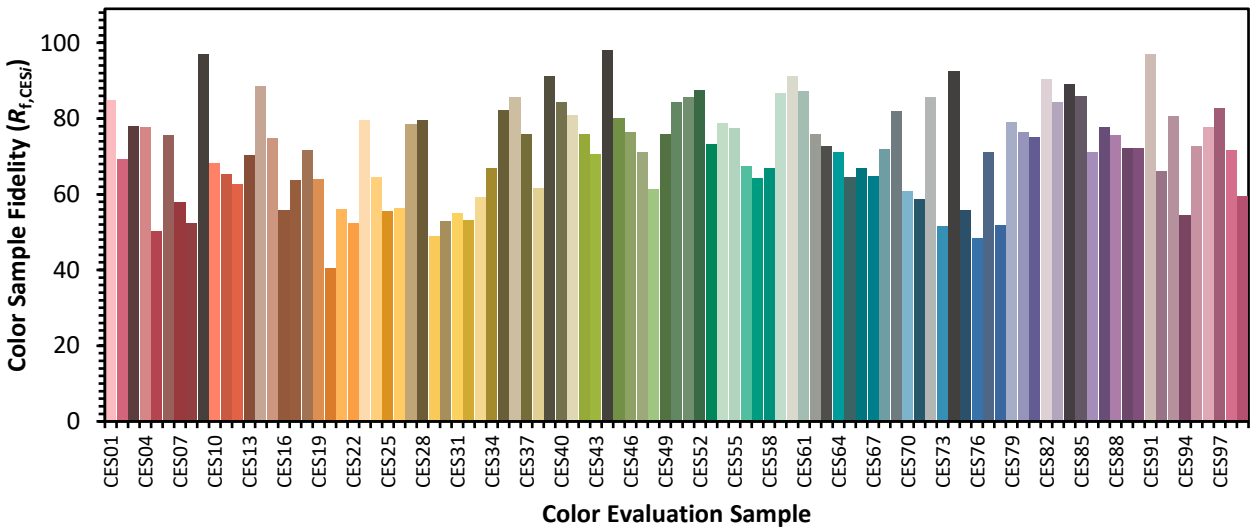


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

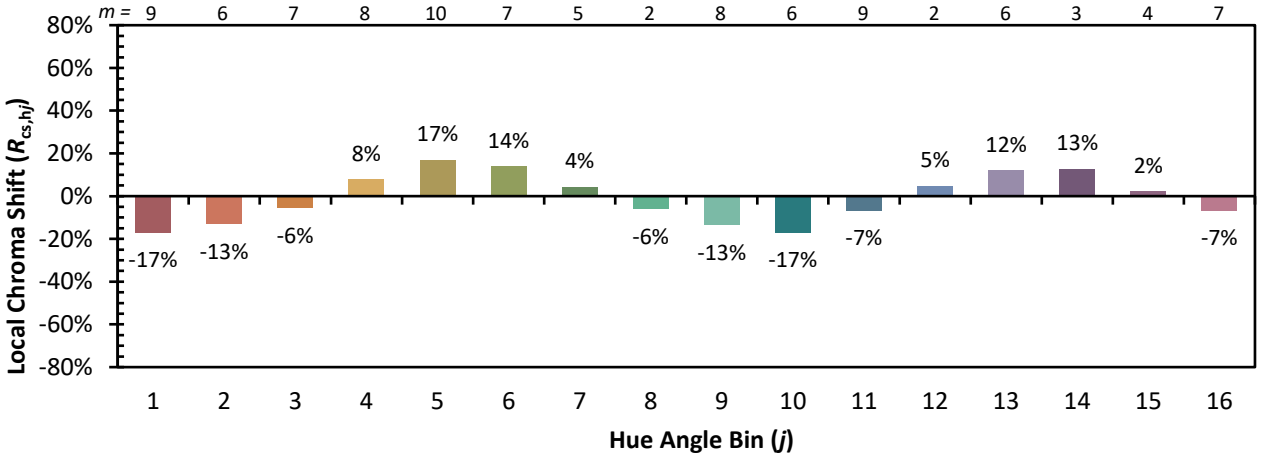
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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	

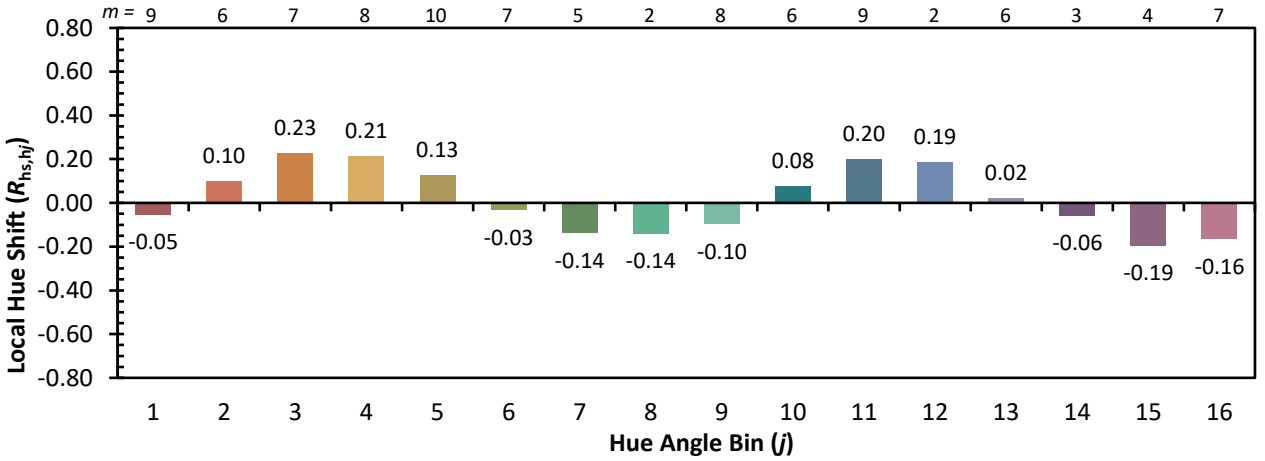


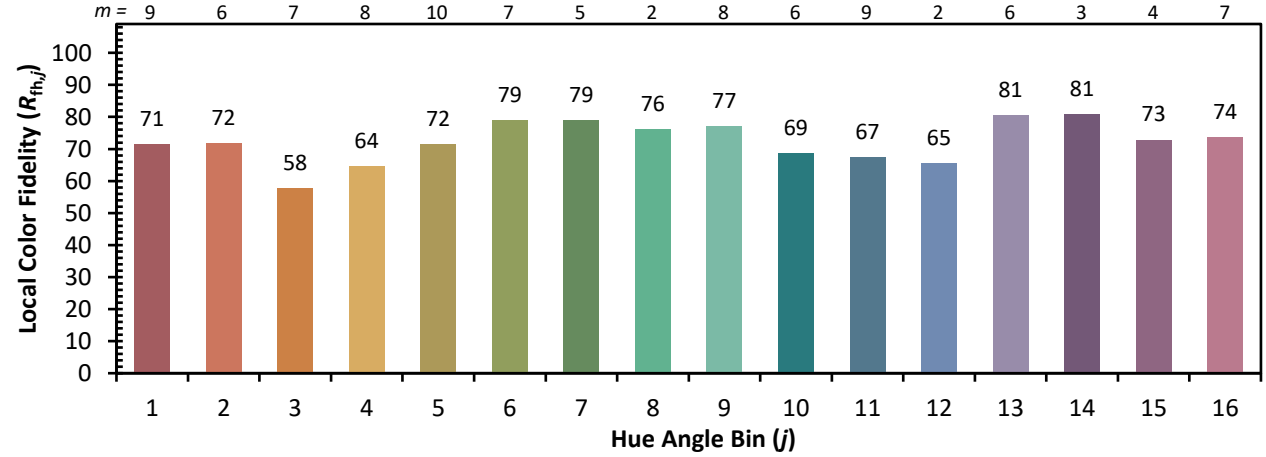
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Color Rendition by Hue-Angle Bin



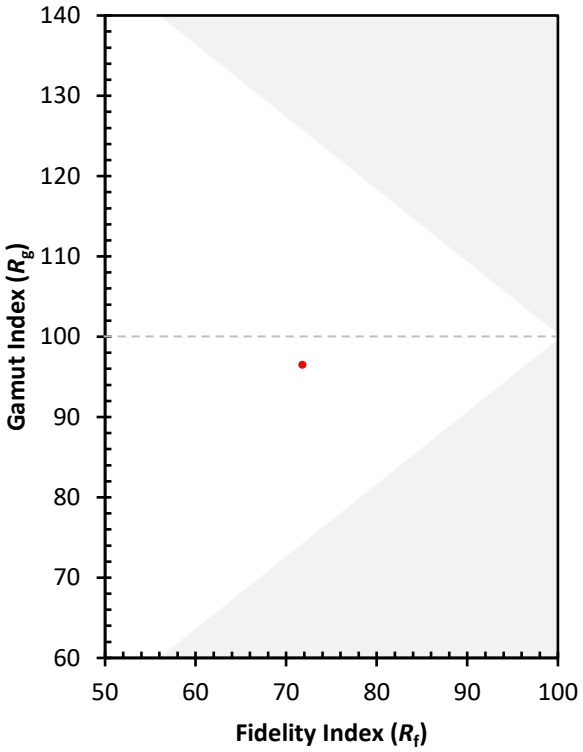


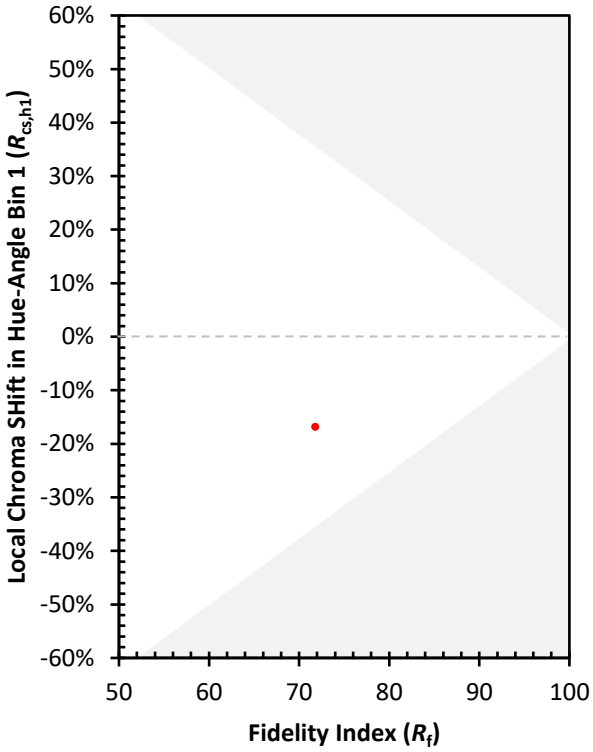


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Measure Comparisons





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