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: P1365331

Luminaire Tested: **GSS-SB4A-727-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365331
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12219.8 lumens
Efficiency:	N/A
Efficacy:	107.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

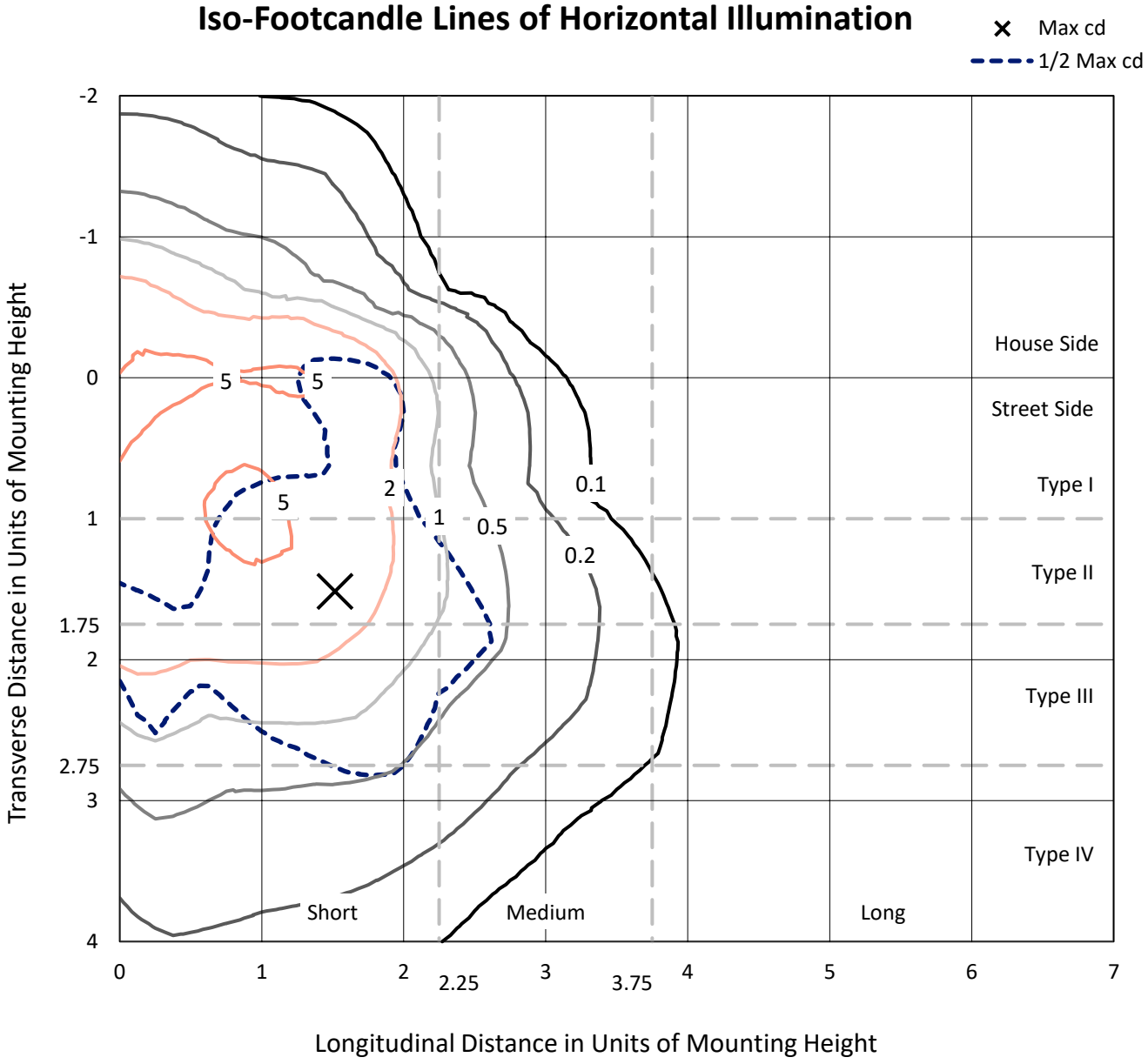
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365331
CATALOG NUMBER: GSS-SB4A-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



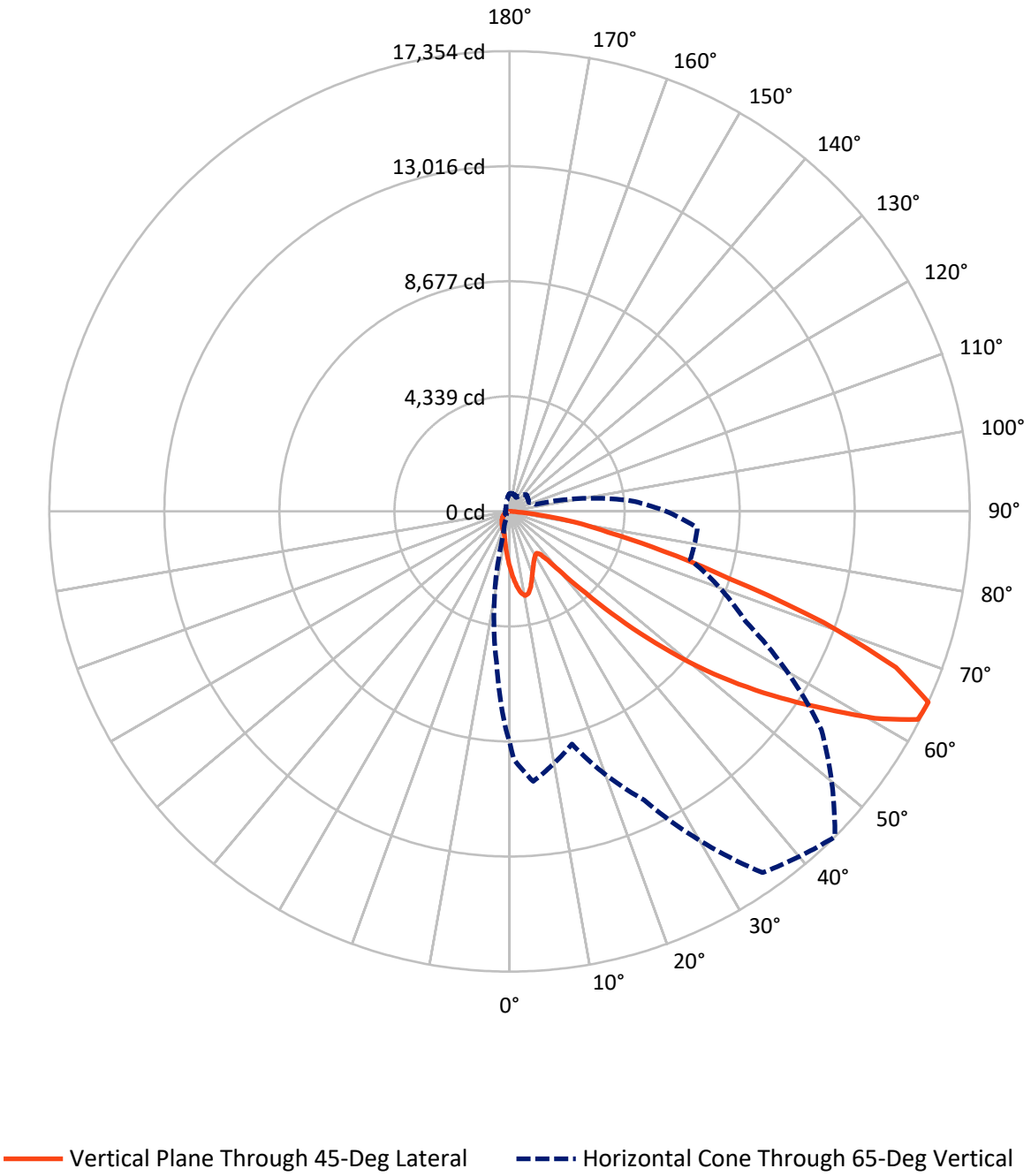
Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365331
CATALOG NUMBER: GSS-SB4A-727-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

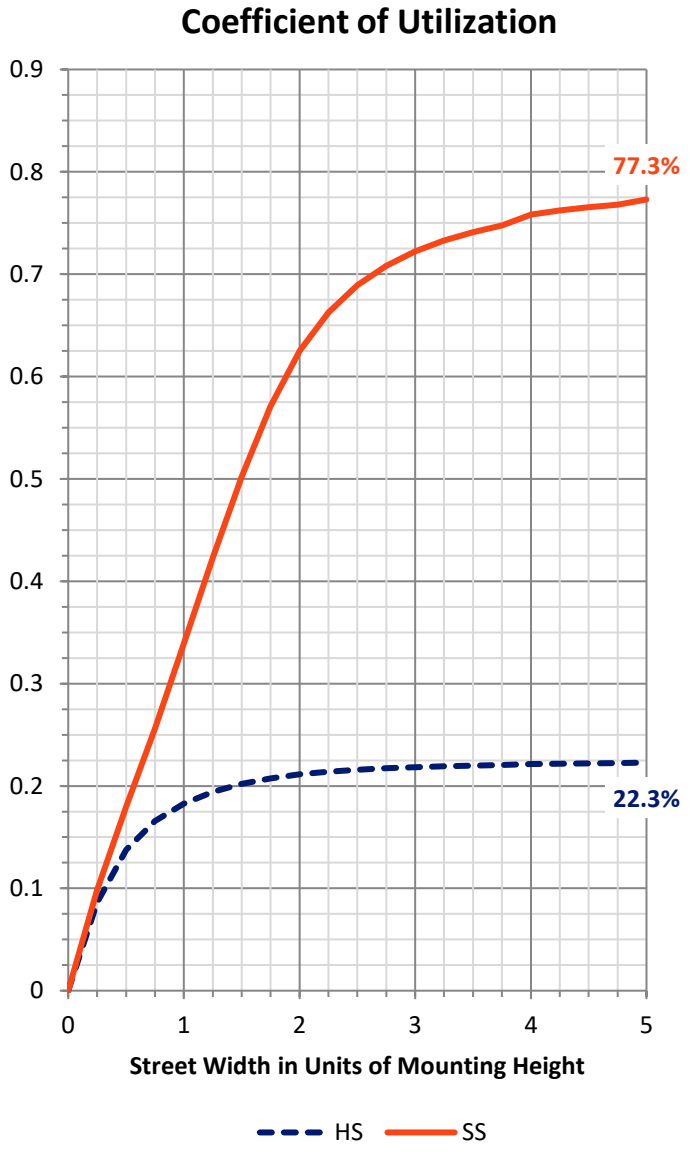
REPORT NUMBER: P1365331
CATALOG NUMBER: GSS-SB4A-727-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2748.8	0.0	2748.8
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	9471.0	0.0	9471.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	12219.8	0.0	12219.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.9	1.7
10°-20°	561.1	4.6
20°-30°	803.7	6.6
30°-40°	1008.2	8.3
40°-50°	1656.1	13.6
50°-60°	2990.2	24.5
60°-70°	3319.6	27.2
70°-80°	1500.5	12.3
80°-90°	177.6	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°	12219.8	100.0
0°-180°	12219.8	100.0



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

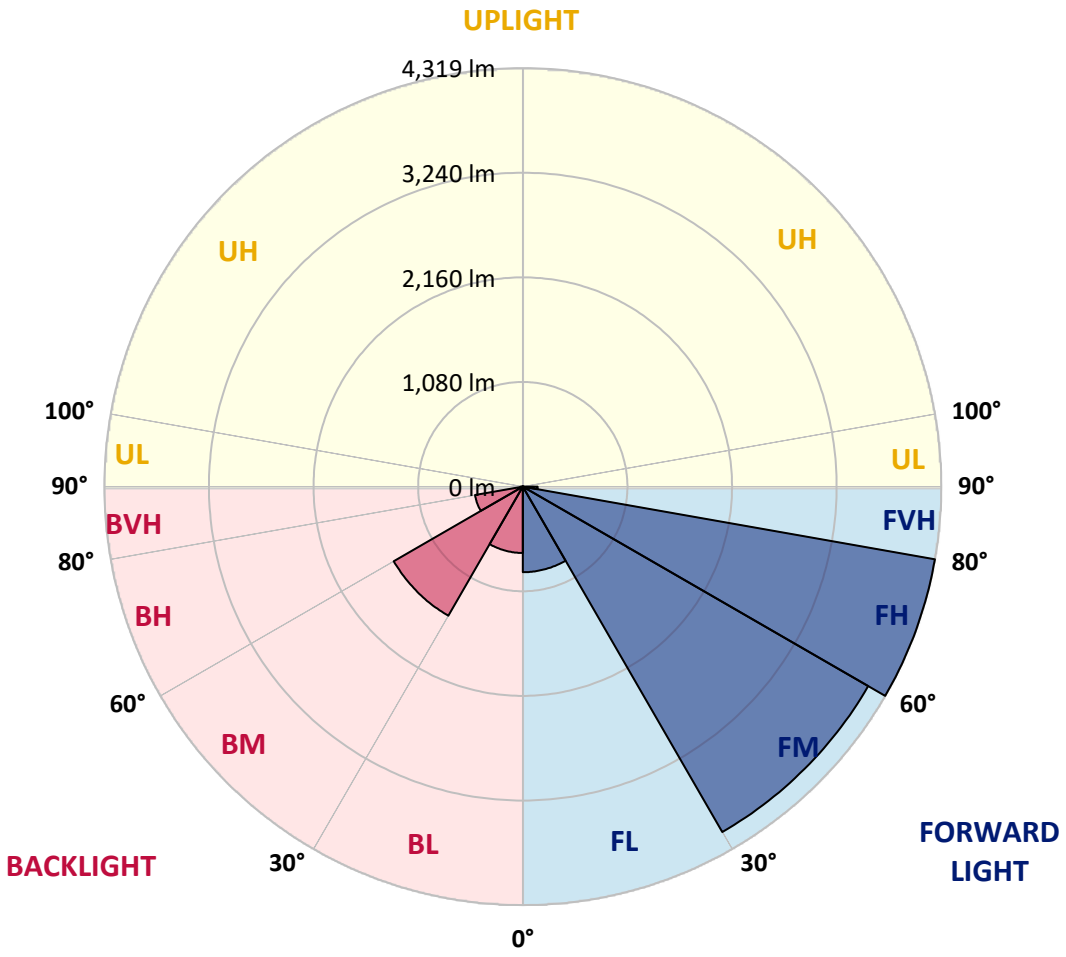
Scaled Data Report

REPORT NUMBER: P1365331
CATALOG NUMBER: GSS-SB4A-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	882.8	7.2			
FM	(30°-60°)	4116.4	33.7			
FH	(60°-80°)	4319.4	35.3			G2/5000
FVH	(80°-90°)	152.5	1.2			G2/225
BL	(0°-30°)	685.0	5.6	B2/1000		
BM	(30°-60°)	1538.0	12.6	B2/2500		
BH	(60°-80°)	500.7	4.1	B2/1000		G2/1000
BVH	(80°-90°)	25.1	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



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

Scaled Data Report

REPORT NUMBER: P1365331
CATALOG NUMBER: GSS-SB4A-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	*2111.1*	2111.1	2111.1	2111.1	2111.1
2.5°	2324.9	2354.9	2351.1	2392.4	2429.9	2456.1	*2478.6*	2471.1	2452.4	2414.9	2388.6
5°	2568.6	2591.1	2628.6	2707.4	2767.3	2819.8	*2812.3*	2819.8	2763.6	2707.4	2639.9
7.5°	2778.6	2804.8	2857.3	2969.8	3044.8	3108.6	*3101.1*	3078.6	3014.8	2921.1	2819.8
10°	2909.8	2928.6	2984.8	3112.3	3198.6	3251.1	*3232.3*	3194.8	3112.3	3018.6	2898.6
12.5°	2966.1	2988.6	3037.3	3138.6	3194.8	3183.6	*3176.1*	3168.6	3127.3	3056.1	2947.3
15°	2973.6	2988.6	3026.1	3071.1	3048.6	2984.8	*2969.8*	3026.1	3078.6	3063.6	2973.6
17.5°	2973.6	2996.1	3003.6	2958.6	2842.3	2726.1	*2711.1*	2804.8	2951.1	3067.3	3014.8
20°	2984.8	2996.1	2981.1	2834.8	2617.4	2489.9	*2463.6*	2579.9	2797.3	3026.1	3056.1
22.5°	2999.8	3011.1	2947.3	2688.6	2433.6	2298.6	*2283.6*	2369.9	2624.9	2966.1	3101.1
25°	3029.8	3022.3	2924.8	2561.1	2272.4	2144.9	*2122.4*	2234.9	2482.4	2906.1	3176.1
27.5°	3067.3	3033.6	2894.8	2456.1	2156.1	2021.1	*2006.1*	2114.9	2362.4	2831.1	3239.8
30°	3116.1	3082.3	2891.1	2373.6	2069.9	1934.9	*1916.1*	2036.1	2279.9	2778.6	3329.8
32.5°	3183.6	3134.8	2894.8	2309.9	2021.1	1893.6	*1882.4*	2009.9	2246.1	2748.6	3423.6
35°	3273.6	3202.3	2909.8	2287.4	2036.1	1949.9	*1976.1*	2073.6	2279.9	2771.1	3577.3
37.5°	3386.1	3318.6	2984.8	2336.1	2201.1	2261.1	*2328.6*	2366.1	2441.1	2876.1	3824.8
40°	3573.6	3479.8	3097.3	2493.6	2643.6	2924.8	*3056.1*	3041.1	2868.6	3116.1	4173.5
42.5°	3836.0	3749.8	3326.1	2894.8	3382.3	3978.5	*4199.8*	4072.3	3551.1	3498.6	4747.2
45°	4237.3	4094.8	3633.6	3491.1	4274.8	5253.5	*5752.2*	5313.5	4417.3	4102.3	5564.7
47.5°	4751.0	4608.5	4113.5	4087.3	5272.2	6828.4	*7420.8*	6558.4	5276.0	4893.5	6543.4
50°	5575.9	5418.5	4818.5	4694.7	6374.7	8399.5	*9190.7*	7799.6	6149.7	5733.4	7750.8
52.5°	6708.4	6603.4	5935.9	5321.0	7360.8	10131.9	*10814.4*	9097.0	6824.6	6693.4	9067.0
55°	8287.0	8185.8	7390.8	6018.4	8294.5	11868.1	*12419.3*	10278.2	7413.3	7818.3	10443.2
57.5°	10075.7	10244.4	9382.0	6948.4	9277.0	13266.8	*14035.5*	11350.6	8208.3	9322.0	11973.1
60°	11241.9	11774.4	11665.6	8572.0	10803.2	15006.7	*15842.9*	12786.8	9370.7	10428.2	11939.3
62.5°	10229.4	10761.9	11594.4	10454.4	12273.1	16581.6	*17286.6*	14298.0	10525.7	9547.0	10027.0
65°	*8680.8*	*9344.5*	*10221.9*	*9082.0*	*12014.3*	*16630.3*	*17354.1*	*14354.2*	*9820.7*	*7057.1*	*7109.6*
67.5°	7480.8	8069.6	9149.5	7728.3	10649.4	15145.4	*15715.4*	12805.5	8118.3	4679.7	4638.5
70°	6243.4	6783.4	8148.3	6880.9	9329.5	13053.0	*12561.8*	10765.7	6862.1	3108.6	2576.1
72.5°	5321.0	5819.7	7240.9	6183.4	7402.1	10578.2	*8658.3*	8932.0	5583.4	1976.1	1754.9
75°	4402.3	4859.7	6157.2	5598.4	6123.4	6599.6	*5984.7*	6344.7	4601.0	1676.2	1353.7
77.5°	3089.8	3374.8	4319.8	4454.8	4766.0	3907.3	*3794.8*	4443.5	3273.6	832.5	570.0
80°	1522.4	1698.7	2253.6	2651.1	2253.6	2216.1	*2527.4*	2958.6	1698.7	510.0	315.0
82.5°	682.5	810.0	1038.7	1604.9	813.7	885.0	*1117.4*	1574.9	772.5	303.7	135.0
85°	108.7	120.0	202.5	270.0	221.2	341.2	*326.2*	307.5	165.0	82.5	37.5
87.5°	3.7	3.7	3.7	7.5	11.2	15.0	*18.7*	18.7	18.7	18.7	18.7
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: P1365331
CATALOG NUMBER: GSS-SB4A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1
2.5°	2381.1	2369.9	2313.6	2257.4	2208.6	2159.9	2111.1	2043.6	1991.1	1946.1	1927.4
5°	2606.1	2546.1	2459.9	2366.1	2283.6	2189.9	2099.9	1998.6	1916.1	1829.9	1784.9
7.5°	2759.8	2699.9	2557.4	2414.9	2313.6	2212.4	2118.6	2006.1	1897.4	1773.7	1706.2
10°	2831.1	2763.6	2609.9	2444.9	2321.1	2219.9	2133.6	2039.9	1931.1	1777.4	1687.4
12.5°	2879.8	2797.3	2621.1	2452.4	2328.6	2223.6	2141.1	2073.6	2009.9	1859.9	1754.9
15°	2909.8	2834.8	2651.1	2456.1	2317.4	2193.6	2114.9	2092.4	2103.6	2032.4	1904.9
17.5°	2954.8	2883.6	2688.6	2478.6	2298.6	2129.9	2043.6	2092.4	2193.6	2216.1	2114.9
20°	3014.8	2939.8	2737.4	2497.4	2242.4	2009.9	1927.4	2051.1	2219.9	2336.1	2279.9
22.5°	3082.3	3022.3	2793.6	2516.1	2159.9	1852.4	1814.9	1964.9	2144.9	2294.9	2298.6
25°	3164.8	3108.6	2872.3	2534.9	2047.4	1717.4	1724.9	1852.4	1994.9	2148.6	2174.9
27.5°	3277.3	3224.8	2969.8	2557.4	1931.1	1608.7	1646.2	1739.9	1837.4	1931.1	1968.6
30°	3401.1	3359.8	3086.1	2602.4	1822.4	1544.9	1567.4	1631.2	1709.9	1766.2	1784.9
32.5°	3569.8	3502.3	3194.8	2598.6	1739.9	1514.9	1492.4	1511.2	1574.9	1631.2	1634.9
35°	3779.8	3727.3	3307.3	2531.1	1664.9	1499.9	1421.2	1409.9	1447.4	1503.7	1499.9
37.5°	4087.3	4042.3	3491.1	2426.1	1571.2	1462.4	1346.2	1308.7	1334.9	1372.4	1383.7
40°	4548.5	4432.3	3701.0	2309.9	1477.4	1394.9	1256.2	1203.7	1222.4	1263.7	1271.2
42.5°	5174.7	4953.5	3982.3	2152.4	1387.4	1293.7	1166.2	1109.9	1121.2	1158.7	1166.2
45°	5977.2	5643.4	4368.5	1987.4	1316.2	1188.7	1072.4	1012.4	1023.7	1064.9	1083.7
47.5°	6914.6	6457.1	4773.5	1811.2	1274.9	1106.2	978.7	933.7	959.9	1001.2	1008.7
50°	8020.8	7559.6	5032.2	1668.7	1248.7	1042.4	892.5	873.7	907.5	941.2	948.7
52.5°	9228.2	8572.0	4867.2	1552.4	1226.2	1019.9	832.5	840.0	866.2	900.0	911.2
55°	10401.9	8943.3	4319.8	1402.4	1199.9	1034.9	787.5	806.2	840.0	866.2	873.7
57.5°	11166.9	8632.0	3479.8	1244.9	1169.9	1046.2	765.0	780.0	817.5	847.5	851.2
60°	10499.4	7949.6	2606.1	1109.9	1106.2	1027.4	757.5	735.0	787.5	813.7	817.5
62.5°	8602.0	6502.1	1664.9	982.4	986.2	986.2	753.7	660.0	727.5	750.0	746.2
65°	*5909.7*	*4597.2*	*1031.2*	*802.5*	*840.0*	*896.2*	*731.2*	*581.2*	*660.0*	*682.5*	*675.0*
67.5°	3884.8	2921.1	637.5	618.7	690.0	776.2	686.2	521.2	592.5	607.5	585.0
70°	2107.4	1376.2	420.0	405.0	540.0	611.2	581.2	468.7	528.7	543.7	521.2
72.5°	1391.2	791.2	296.2	296.2	423.7	427.5	476.2	420.0	468.7	483.7	461.2
75°	1046.2	510.0	206.2	228.7	270.0	333.7	341.2	352.5	397.5	416.2	393.7
77.5°	480.0	187.5	123.7	168.7	187.5	255.0	217.5	262.5	296.2	303.7	285.0
80°	277.5	105.0	82.5	108.7	120.0	210.0	127.5	157.5	210.0	221.2	198.7
82.5°	116.2	52.5	56.2	67.5	71.2	116.2	90.0	101.2	138.7	135.0	120.0
85°	33.7	33.7	37.5	41.2	41.2	67.5	63.7	60.0	63.7	63.7	52.5
87.5°	22.5	22.5	22.5	26.2	26.2	30.0	33.7	37.5	37.5	37.5	33.7
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: P1365331
CATALOG NUMBER: GSS-SB4A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1
2.5°	1901.1	1867.4	1818.7	1811.2	1784.9	1766.2	1784.9	1803.7	1837.4	1841.1	1856.1
5°	1743.7	1664.9	1604.9	1537.4	1503.7	1499.9	1492.4	1514.9	1563.7	1593.7	1616.2
7.5°	1638.7	1496.2	1391.2	1297.4	1263.7	1237.4	1259.9	1256.2	1319.9	1346.2	1368.7
10°	1582.4	1383.7	1226.2	1109.9	1064.9	1038.7	1034.9	1042.4	1079.9	1106.2	1132.4
12.5°	1619.9	1338.7	1106.2	971.2	922.4	892.5	866.2	866.2	873.7	907.5	918.7
15°	1743.7	1364.9	1049.9	903.7	840.0	791.2	757.5	731.2	735.0	738.7	750.0
17.5°	1923.6	1432.4	1031.2	862.5	795.0	735.0	701.2	671.2	663.7	663.7	660.0
20°	2096.1	1484.9	1016.2	828.7	742.5	690.0	660.0	633.7	622.5	622.5	622.5
22.5°	2167.4	1529.9	997.4	787.5	690.0	641.2	615.0	596.2	592.5	592.5	588.7
25°	2111.1	1514.9	974.9	746.2	641.2	603.7	581.2	562.5	558.7	562.5	558.7
27.5°	1934.9	1462.4	944.9	712.5	603.7	570.0	551.2	532.5	528.7	532.5	532.5
30°	1747.4	1372.4	896.2	686.2	573.7	536.2	517.5	498.7	498.7	502.5	506.2
32.5°	1597.4	1282.4	840.0	652.5	540.0	506.2	487.5	468.7	468.7	476.2	476.2
35°	1469.9	1211.2	783.7	618.7	510.0	472.5	457.5	442.5	438.7	446.2	450.0
37.5°	1368.7	1147.4	723.7	585.0	480.0	446.2	431.2	412.5	408.7	416.2	423.7
40°	1263.7	1076.2	671.2	543.7	450.0	416.2	401.2	378.7	378.7	386.2	393.7
42.5°	1162.4	1012.4	637.5	506.2	420.0	382.5	367.5	348.7	348.7	356.2	363.7
45°	1079.9	952.4	618.7	468.7	386.2	352.5	333.7	318.7	322.5	330.0	337.5
47.5°	1001.2	888.7	622.5	450.0	363.7	318.7	300.0	288.7	296.2	307.5	315.0
50°	941.2	843.7	626.2	420.0	333.7	292.5	273.7	266.2	277.5	288.7	296.2
52.5°	903.7	798.7	603.7	382.5	311.2	266.2	255.0	255.0	266.2	273.7	281.2
55°	866.2	723.7	555.0	341.2	288.7	247.5	240.0	240.0	251.2	258.7	262.5
57.5°	836.2	645.0	498.7	307.5	262.5	228.7	228.7	228.7	232.5	236.2	243.7
60°	780.0	562.5	427.5	281.2	236.2	213.7	210.0	210.0	206.2	210.0	221.2
62.5°	682.5	472.5	363.7	251.2	213.7	195.0	191.2	180.0	168.7	172.5	180.0
65°	*577.5*	*375.0*	*303.7*	*217.5*	*183.7*	*172.5*	*168.7*	*150.0*	*135.0*	*138.7*	*150.0*
67.5°	461.2	281.2	255.0	187.5	157.5	146.2	146.2	135.0	123.7	123.7	131.2
70°	360.0	236.2	191.2	150.0	123.7	123.7	131.2	120.0	105.0	105.0	116.2
72.5°	292.5	191.2	153.7	116.2	97.5	105.0	108.7	97.5	86.2	86.2	93.7
75°	228.7	150.0	120.0	86.2	75.0	78.7	86.2	78.7	67.5	71.2	75.0
77.5°	157.5	101.2	78.7	63.7	56.2	60.0	60.0	56.2	52.5	52.5	56.2
80°	105.0	67.5	52.5	45.0	41.2	41.2	37.5	37.5	41.2	41.2	45.0
82.5°	75.0	48.7	41.2	33.7	26.2	26.2	30.0	30.0	33.7	33.7	37.5
85°	45.0	33.7	30.0	22.5	18.7	22.5	22.5	26.2	30.0	30.0	33.7
87.5°	33.7	26.2	22.5	18.7	15.0	15.0	18.7	18.7	22.5	26.2	26.2
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: P1365331
CATALOG NUMBER: GSS-SB4A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1	2111.1
2.5°	1893.6	1938.6	2002.4	2058.6	2126.1	2193.6	2257.4	2317.4	2321.1	2324.9
5°	1687.4	1777.4	1882.4	2009.9	2144.9	2276.1	2414.9	2527.4	2553.6	2568.6
7.5°	1458.7	1589.9	1751.2	1931.1	2133.6	2336.1	2531.1	2699.9	2763.6	2778.6
10°	1218.7	1379.9	1574.9	1807.4	2081.1	2351.1	2613.6	2819.8	2894.8	2909.8
12.5°	1004.9	1136.2	1361.2	1642.4	1972.4	2328.6	2643.6	2872.3	2947.3	2966.1
15°	821.2	944.9	1154.9	1451.2	1822.4	2249.9	2621.1	2883.6	2958.6	2973.6
17.5°	678.7	757.5	948.7	1271.2	1687.4	2148.6	2591.1	2891.1	2962.3	2973.6
20°	622.5	637.5	738.7	1053.7	1544.9	2073.6	2572.4	2902.3	2973.6	2984.8
22.5°	596.2	596.2	618.7	802.5	1346.2	1994.9	2564.9	2936.1	2988.6	2999.8
25°	570.0	570.0	577.5	630.0	1109.9	1897.4	2579.9	2996.1	3029.8	3029.8
27.5°	543.7	543.7	551.2	562.5	825.0	1736.2	2583.6	3063.6	3078.6	3067.3
30°	517.5	525.0	525.0	532.5	607.5	1533.7	2561.1	3138.6	3138.6	3116.1
32.5°	491.2	495.0	502.5	506.2	528.7	1271.2	2523.6	3232.3	3213.6	3183.6
35°	468.7	472.5	472.5	480.0	502.5	1016.2	2482.4	3359.8	3307.3	3273.6
37.5°	438.7	442.5	446.2	453.7	476.2	806.2	2422.4	3468.6	3431.1	3386.1
40°	412.5	416.2	420.0	427.5	450.0	693.7	2347.4	3633.6	3626.1	3573.6
42.5°	382.5	390.0	393.7	397.5	427.5	633.7	2294.9	3899.8	3899.8	3836.0
45°	356.2	363.7	363.7	371.2	412.5	581.2	2411.1	4267.3	4297.3	4237.3
47.5°	333.7	337.5	337.5	341.2	390.0	536.2	2722.4	4829.7	4792.2	4751.0
50°	311.2	318.7	311.2	315.0	371.2	562.5	3236.1	5549.7	5647.2	5575.9
52.5°	296.2	300.0	285.0	285.0	345.0	596.2	3656.1	6468.4	6794.6	6708.4
55°	277.5	281.2	262.5	262.5	303.7	517.5	3682.3	7514.6	8230.8	8287.0
57.5°	258.7	258.7	243.7	240.0	262.5	420.0	3266.1	8324.5	9948.2	10075.7
60°	236.2	232.5	225.0	217.5	240.0	386.2	2489.9	8215.8	10799.4	11241.9
62.5°	202.5	210.0	206.2	191.2	217.5	360.0	1623.7	7109.6	9839.5	10229.4
65°	*168.7*	*180.0*	*180.0*	*168.7*	*240.0*	*315.0*	*855.0*	*5692.2*	*8212.1*	*8680.8*
67.5°	150.0	157.5	153.7	146.2	213.7	198.7	412.5	4364.8	7030.9	7480.8
70°	131.2	138.7	127.5	120.0	172.5	142.5	243.7	2921.1	5804.7	6243.4
72.5°	108.7	116.2	105.0	93.7	127.5	108.7	161.2	1901.1	4833.5	5321.0
75°	90.0	93.7	86.2	75.0	93.7	86.2	112.5	1241.2	4042.3	4402.3
77.5°	63.7	71.2	67.5	56.2	67.5	60.0	78.7	708.7	2819.8	3089.8
80°	48.7	48.7	48.7	45.0	41.2	41.2	52.5	318.7	1368.7	1522.4
82.5°	41.2	41.2	37.5	33.7	30.0	26.2	30.0	93.7	645.0	682.5
85°	37.5	30.0	26.2	22.5	18.7	11.2	11.2	26.2	131.2	108.7
87.5°	22.5	18.7	15.0	7.5	3.7	3.7	0.0	3.7	3.7	3.7
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

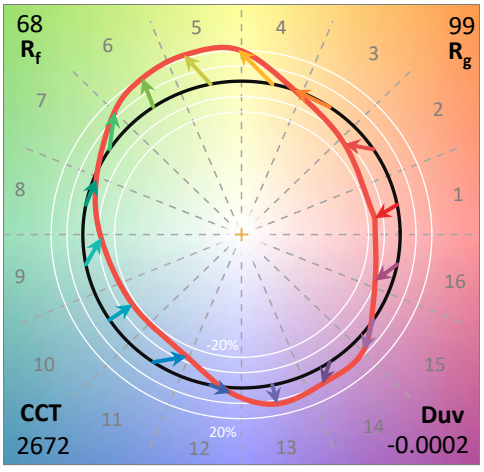
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

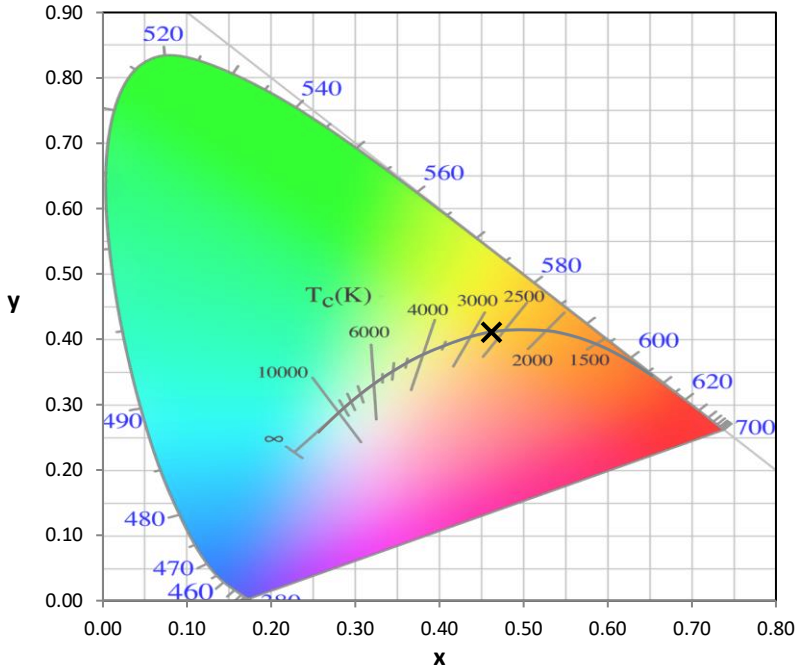
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

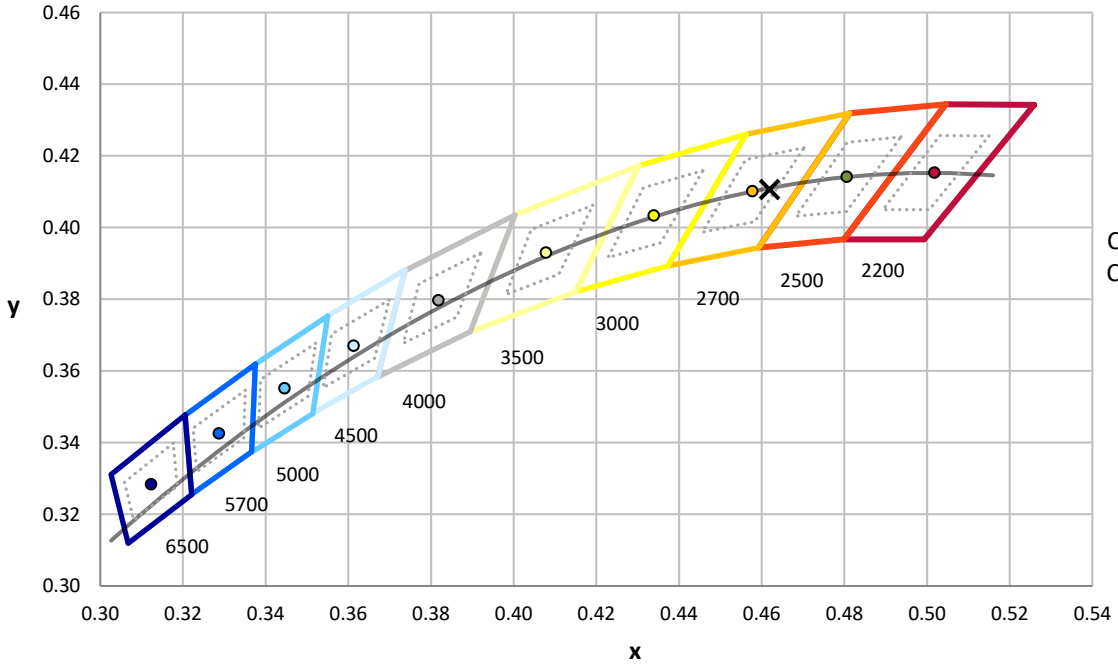
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

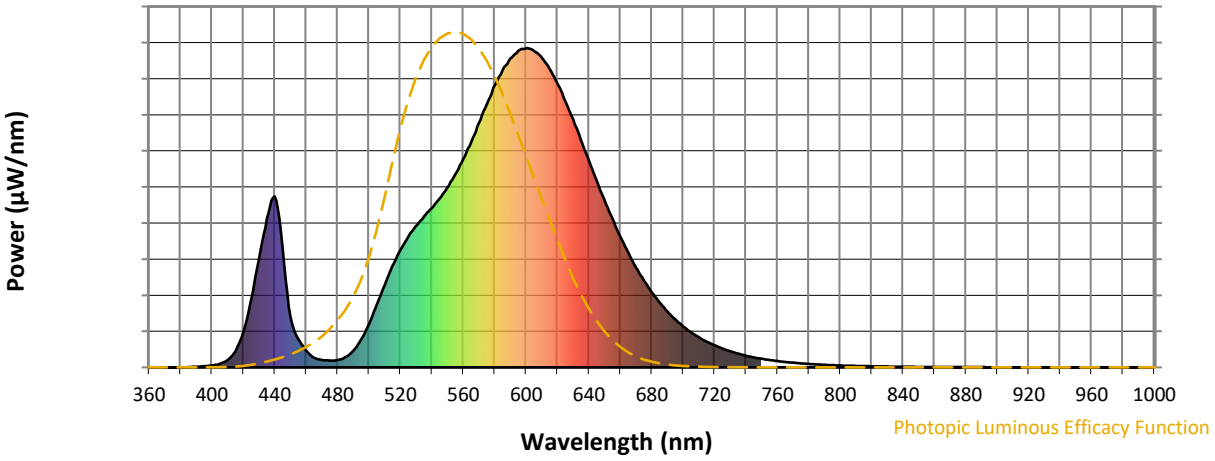


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

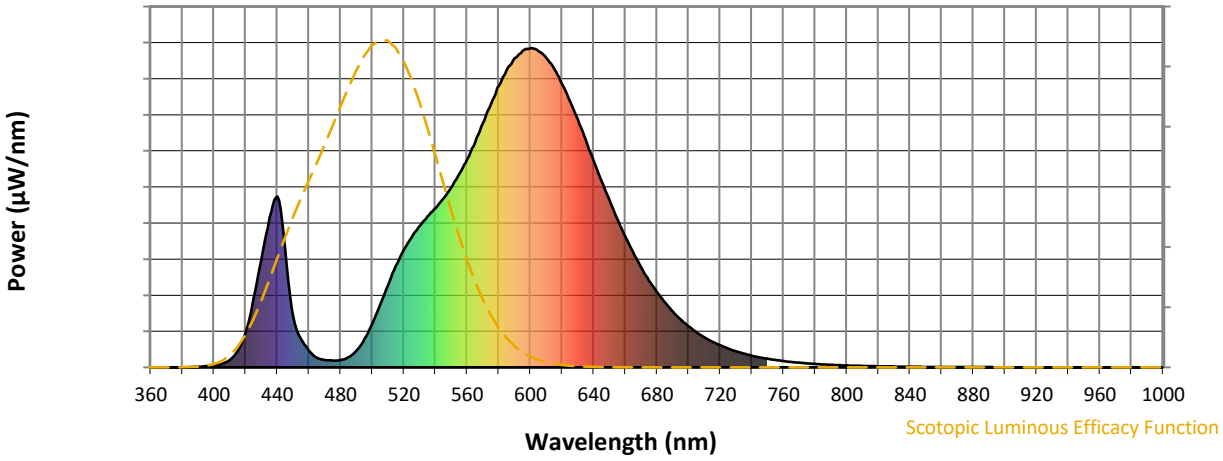


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

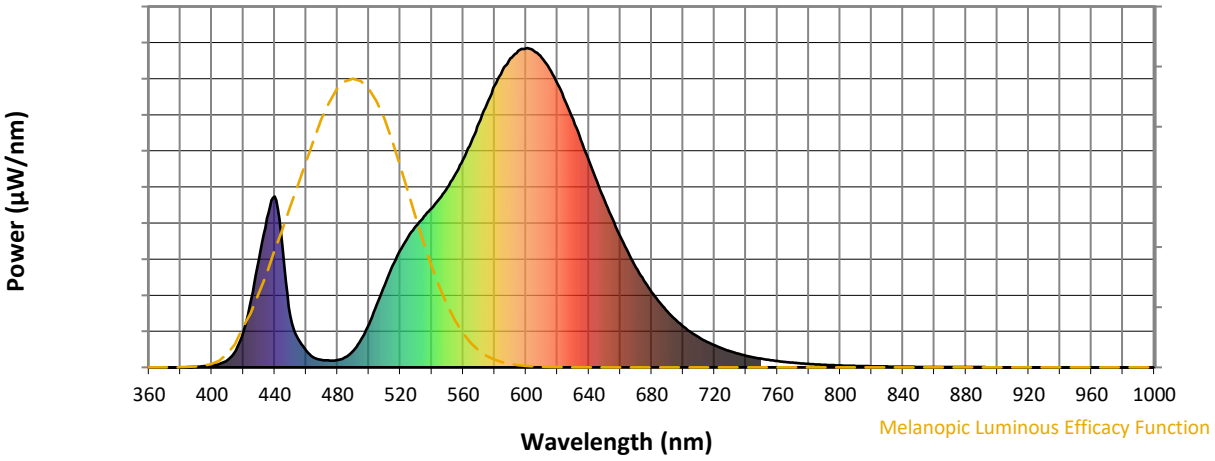


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

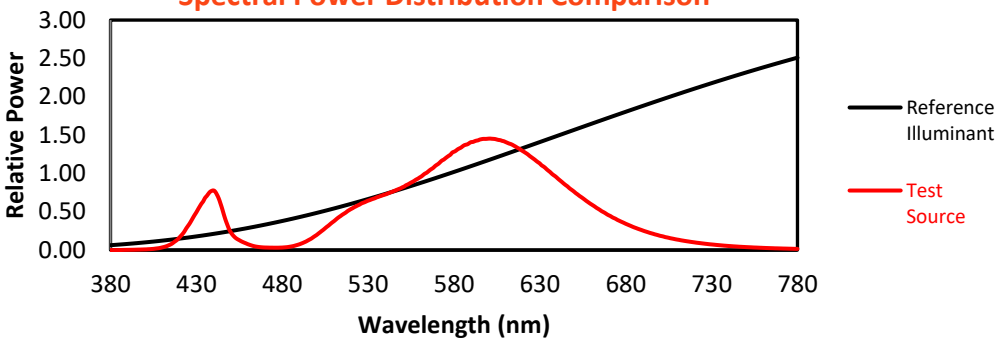
REPORT NUMBER: SP1-2407-184-3

TM-30-18

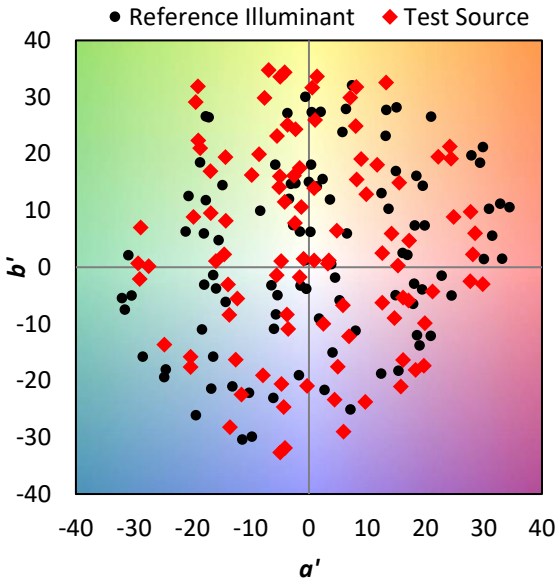
Summary

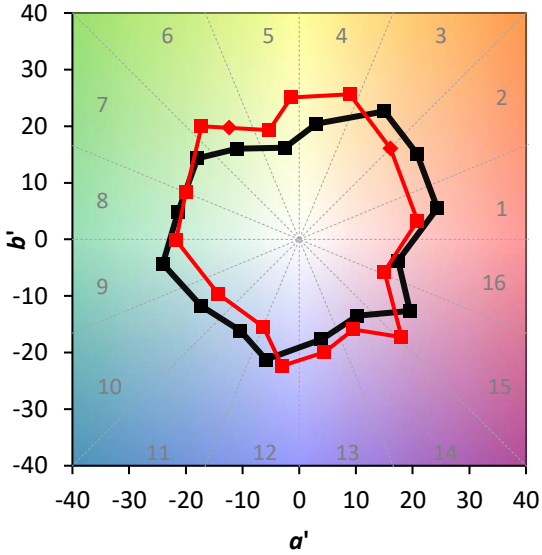
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

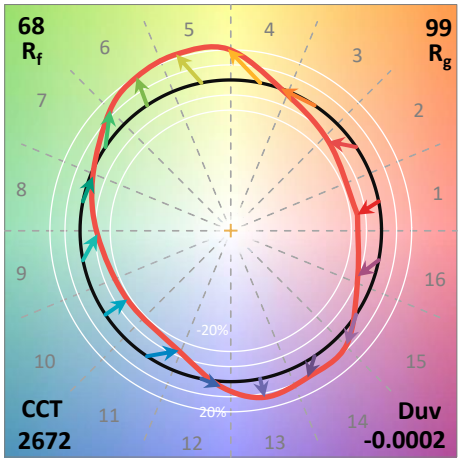
Spectral Power Distribution Comparison

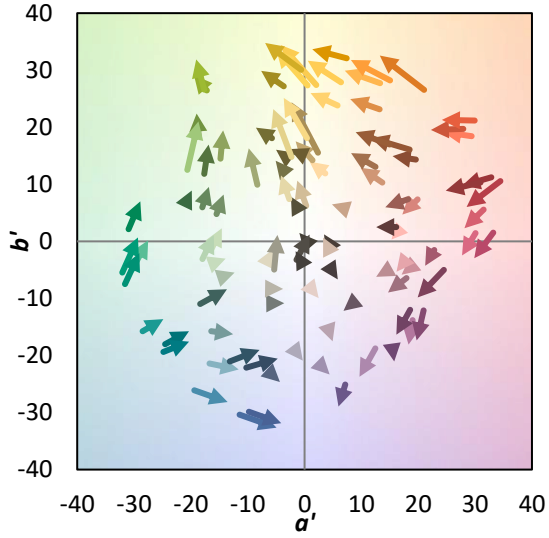


Color Vector Graphics







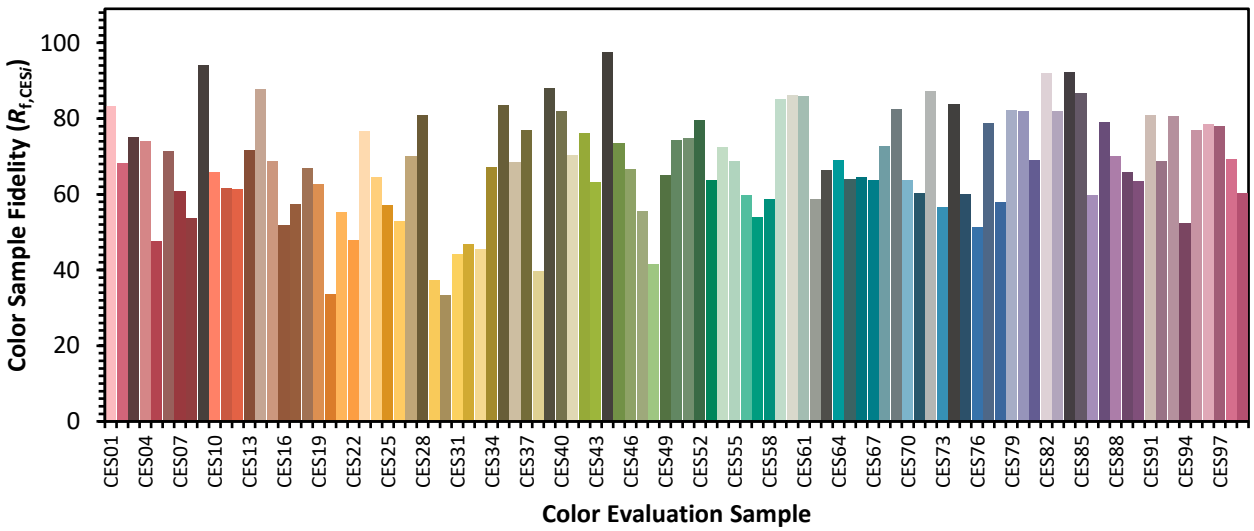


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

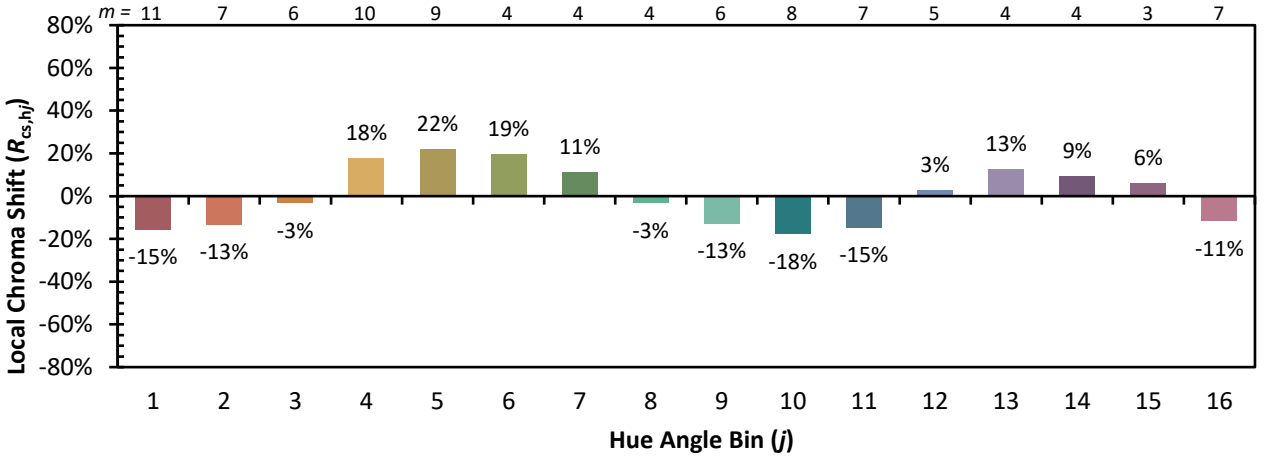
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

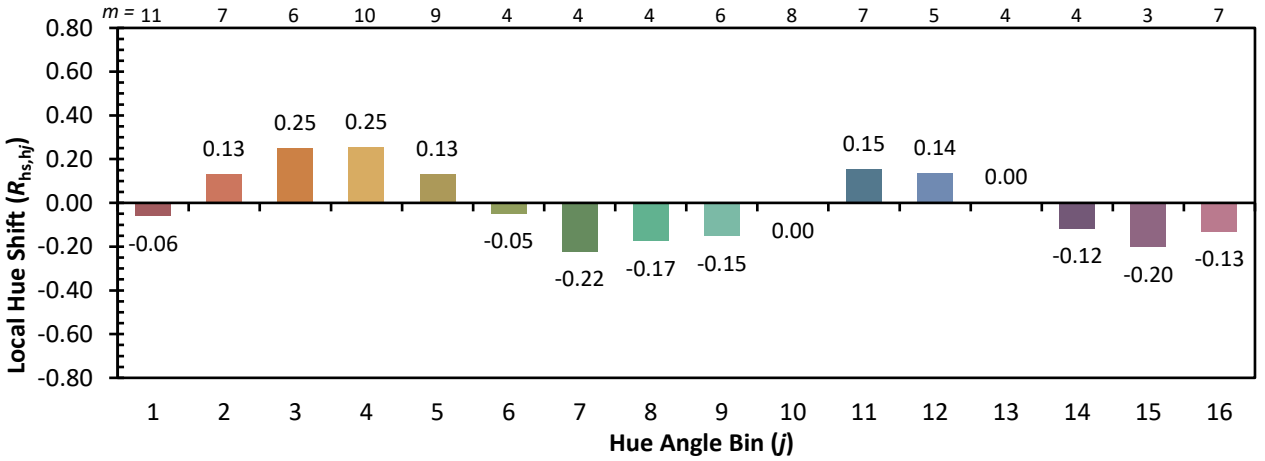


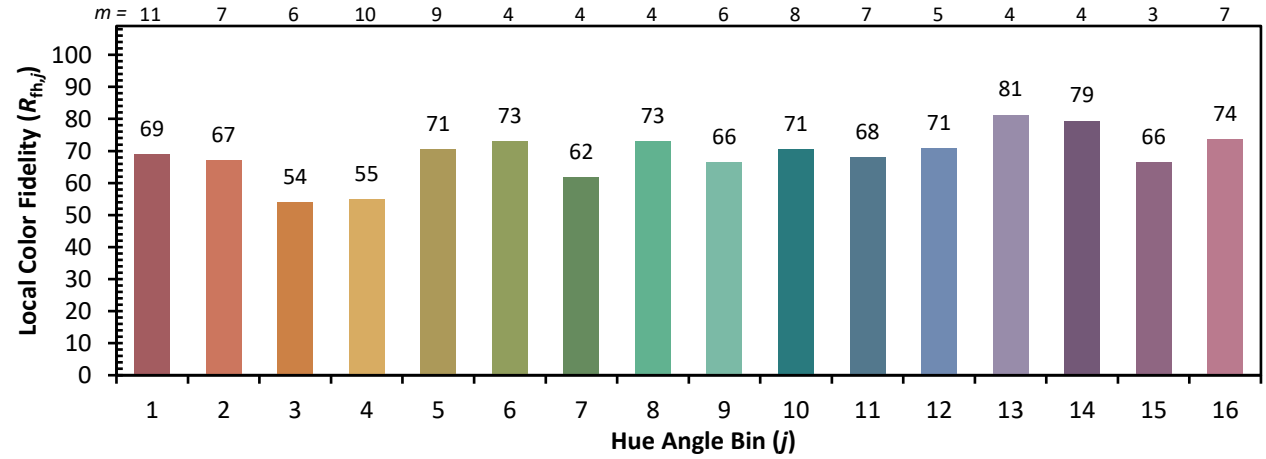
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



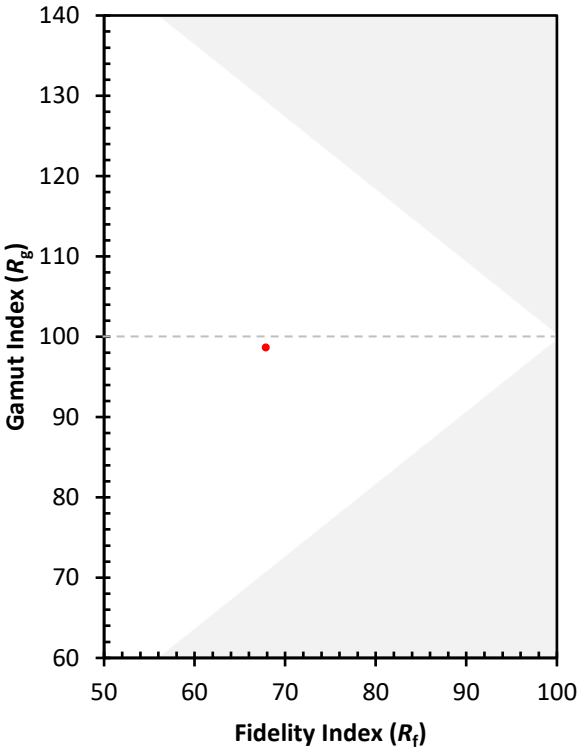


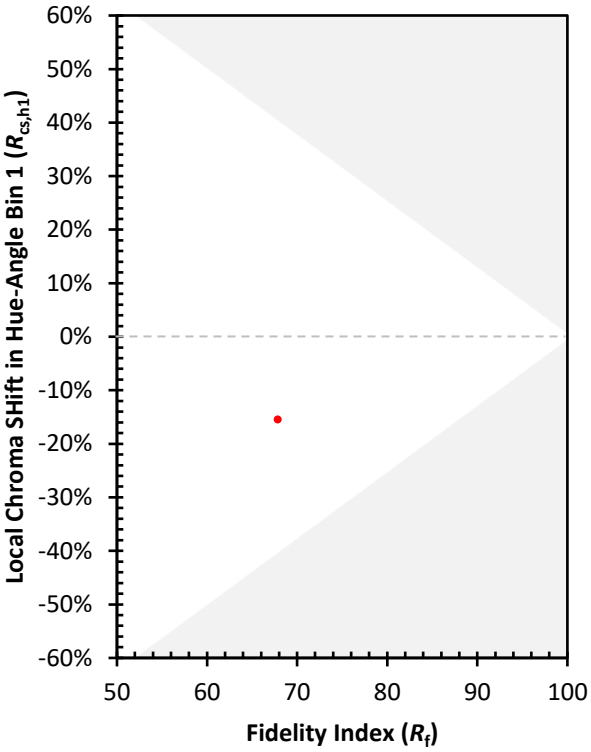


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)