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: P1365325

Luminaire Tested: **GSS-SB2C-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:	P1365325
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9694.3 lumens
Efficiency:	N/A
Efficacy:	95.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

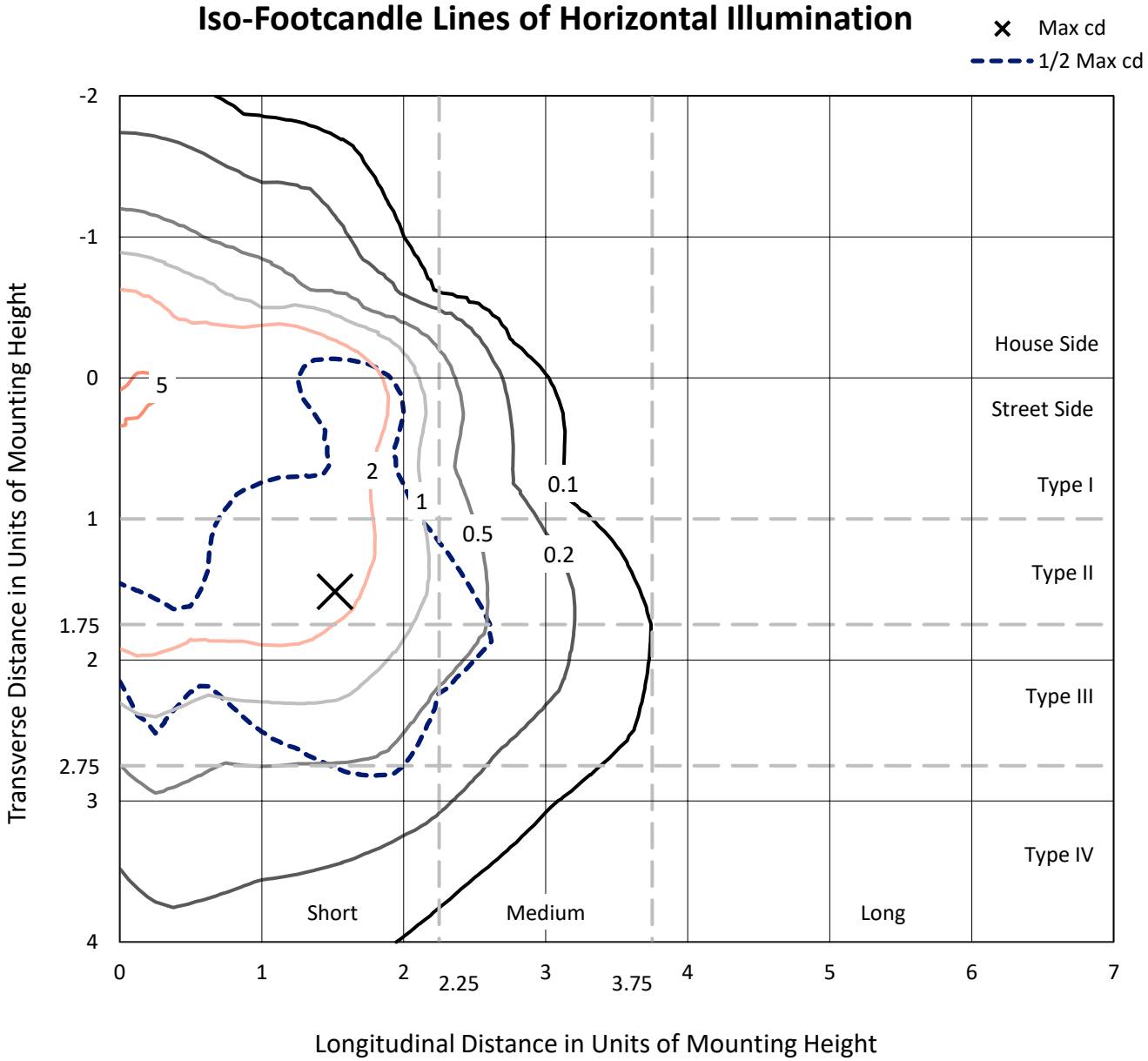
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365325
CATALOG NUMBER: GSS-SB2C-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



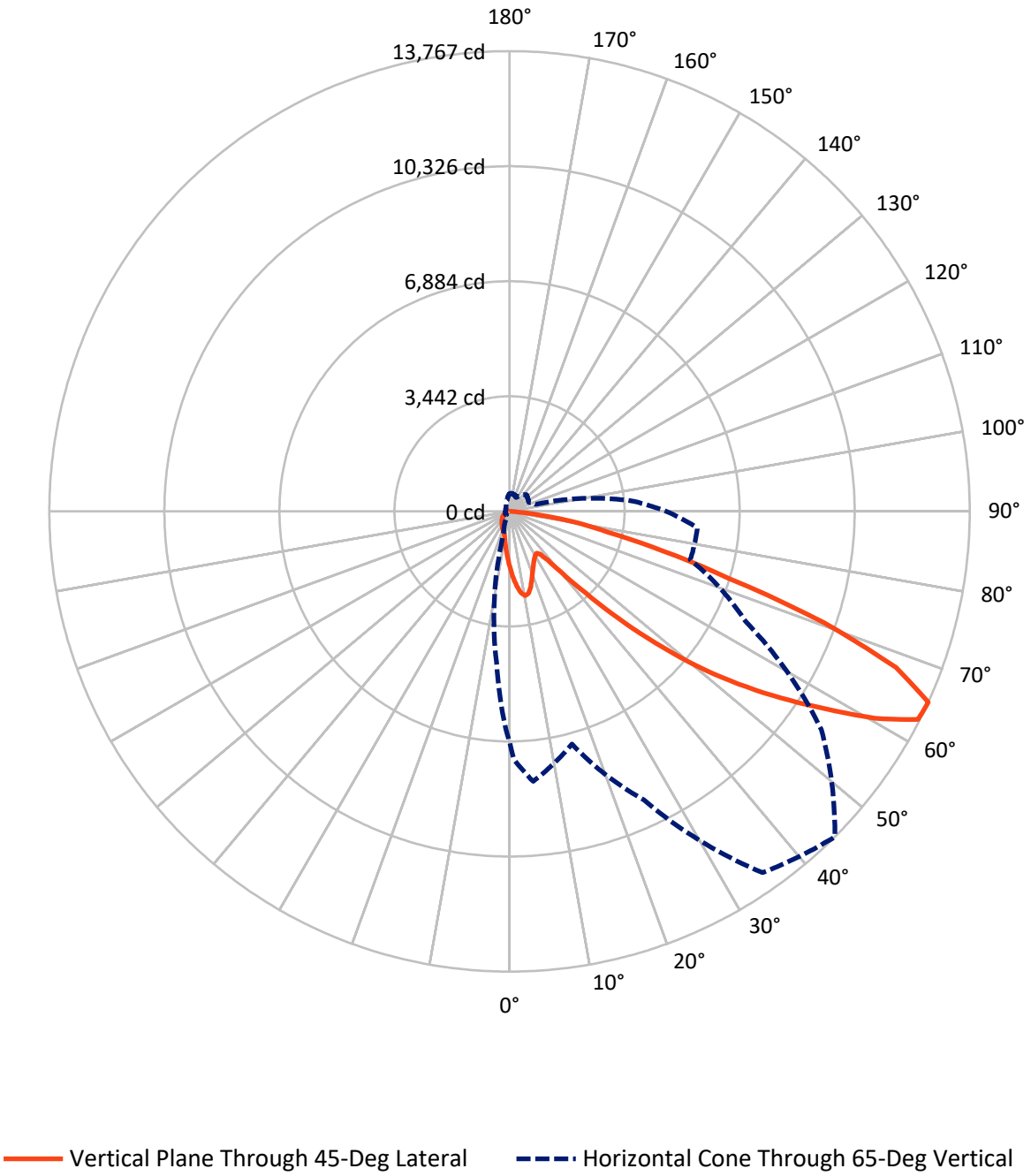
Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365325
CATALOG NUMBER: GSS-SB2C-727-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

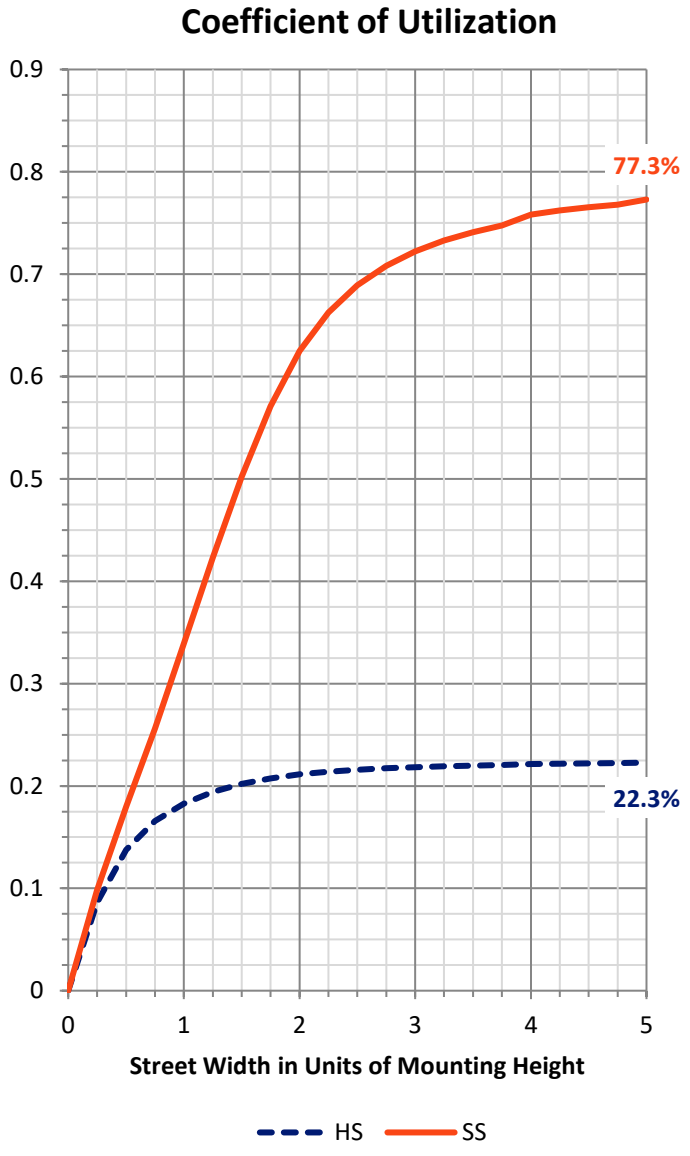
REPORT NUMBER: P1365325
CATALOG NUMBER: GSS-SB2C-727-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2180.7	0.0	2180.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	7513.6	0.0	7513.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	9694.3	0.0	9694.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	1.7
10°-20°	445.2	4.6
20°-30°	637.6	6.6
30°-40°	799.8	8.3
40°-50°	1313.8	13.6
50°-60°	2372.2	24.5
60°-70°	2633.5	27.2
70°-80°	1190.4	12.3
80°-90°	140.9	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°	9694.3	100.0
0°-180°	9694.3	100.0



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

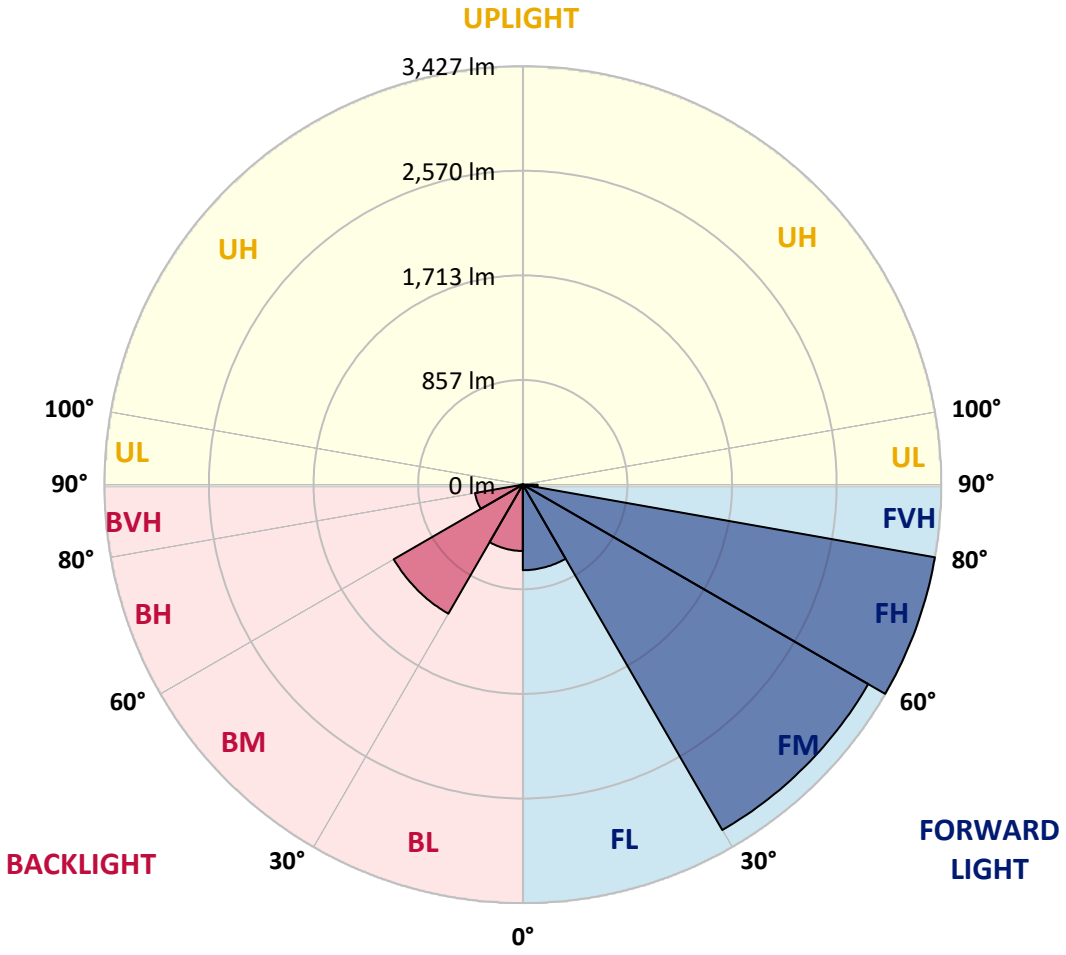
Scaled Data Report

REPORT NUMBER: P1365325
CATALOG NUMBER: GSS-SB2C-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°)	700.3	7.2			
FM	(30°-60°)	3265.7	33.7			
FH	(60°-80°)	3426.6	35.3			G2/5000
FVH	(80°-90°)	121.0	1.2			G2/225
BL	(0°-30°)	543.4	5.6	B2/1000		
BM	(30°-60°)	1220.1	12.6	B2/2500		
BH	(60°-80°)	397.2	4.1	B1/500		G1/500
BVH	(80°-90°)	19.9	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



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

Scaled Data Report

REPORT NUMBER: P1365325
CATALOG NUMBER: GSS-SB2C-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	*1674.8*	1674.8	1674.8	1674.8	1674.8
2.5°	1844.4	1868.2	1865.2	1897.9	1927.7	1948.5	*1966.3*	1960.4	1945.5	1915.8	1894.9
5°	2037.7	2055.6	2085.3	2147.8	2195.4	2237.0	*2231.1*	2237.0	2192.4	2147.8	2094.3
7.5°	2204.3	2225.1	2266.8	2356.0	2415.5	2466.1	*2460.2*	2442.3	2391.7	2317.4	2237.0
10°	2308.4	2323.3	2367.9	2469.1	2537.5	2579.1	*2564.3*	2534.5	2469.1	2394.7	2299.5
12.5°	2353.1	2370.9	2409.6	2489.9	2534.5	2525.6	*2519.7*	2513.7	2481.0	2424.5	2338.2
15°	2359.0	2370.9	2400.7	2436.4	2418.5	2367.9	*2356.0*	2400.7	2442.3	2430.4	2359.0
17.5°	2359.0	2376.9	2382.8	2347.1	2254.9	2162.7	*2150.8*	2225.1	2341.2	2433.4	2391.7
20°	2367.9	2376.9	2365.0	2248.9	2076.4	1975.3	*1954.4*	2046.7	2219.2	2400.7	2424.5
22.5°	2379.8	2388.8	2338.2	2132.9	1930.6	1823.6	*1811.7*	1880.1	2082.4	2353.1	2460.2
25°	2403.6	2397.7	2320.3	2031.8	1802.7	1701.6	*1683.7*	1773.0	1969.3	2305.5	2519.7
27.5°	2433.4	2406.6	2296.5	1948.5	1710.5	1603.4	*1591.5*	1677.8	1874.1	2246.0	2570.2
30°	2472.1	2445.3	2293.6	1883.0	1642.1	1535.0	*1520.1*	1615.3	1808.7	2204.3	2641.6
32.5°	2525.6	2486.9	2296.5	1832.5	1603.4	1502.3	*1493.3*	1594.5	1781.9	2180.5	2716.0
35°	2597.0	2540.5	2308.4	1814.6	1615.3	1546.9	*1567.7*	1645.1	1808.7	2198.4	2838.0
37.5°	2686.2	2632.7	2367.9	1853.3	1746.2	1793.8	*1847.3*	1877.1	1936.6	2281.7	3034.3
40°	2835.0	2760.6	2457.2	1978.2	2097.2	2320.3	*2424.5*	2412.6	2275.7	2472.1	3310.9
42.5°	3043.2	2974.8	2638.6	2296.5	2683.3	3156.3	*3331.8*	3230.6	2817.1	2775.5	3766.1
45°	3361.5	3248.5	2882.6	2769.5	3391.3	4167.7	*4563.3*	4215.3	3504.3	3254.4	4414.6
47.5°	3769.1	3656.0	3263.4	3242.5	4182.6	5417.1	*5887.1*	5202.9	4185.5	3882.1	5191.0
50°	4423.5	4298.6	3822.6	3724.4	5057.2	6663.5	*7291.2*	6187.6	4878.7	4548.5	6148.9
52.5°	5321.9	5238.6	4709.1	4221.2	5839.5	8037.9	*8579.3*	7216.9	5414.1	5310.0	7193.1
55°	6574.3	6494.0	5863.3	4774.5	6580.2	9415.2	*9852.5*	8153.9	5881.2	6202.5	8284.8
57.5°	7993.3	8127.1	7442.9	5512.3	7359.6	10524.8	*11134.7*	9004.7	6511.8	7395.3	9498.5
60°	8918.4	9340.9	9254.6	6800.4	8570.4	11905.1	*12568.5*	10144.1	7434.0	8272.9	9471.8
62.5°	8115.2	8537.7	9198.1	8293.7	9736.5	13154.5	*13713.8*	11342.9	8350.3	7573.8	7954.6
65°	*6886.7*	*7413.2*	*8109.3*	*7205.0*	*9531.2*	*13193.2*	*13767.4*	*11387.5*	*7791.0*	*5598.6*	*5640.2*
67.5°	5934.7	6401.8	7258.5	6131.1	8448.4	12015.2	*12467.4*	10158.9	6440.4	3712.5	3679.8
70°	4953.0	5381.4	6464.2	5458.8	7401.3	10355.3	*9965.6*	8540.6	5443.9	2466.1	2043.7
72.5°	4221.2	4616.9	5744.3	4905.4	5872.2	8391.9	*6868.8*	7086.0	4429.5	1567.7	1392.2
75°	3492.4	3855.3	4884.6	4441.4	4857.8	5235.6	*4747.8*	5033.4	3650.1	1329.7	1073.9
77.5°	2451.2	2677.3	3427.0	3534.1	3781.0	3099.7	*3010.5*	3525.1	2597.0	660.4	452.2
80°	1207.8	1347.6	1787.9	2103.2	1787.9	1758.1	*2005.0*	2347.1	1347.6	404.6	249.9
82.5°	541.4	642.6	824.0	1273.2	645.5	702.1	*886.5*	1249.4	612.8	241.0	107.1
85°	86.3	95.2	160.6	214.2	175.5	270.7	*258.8*	243.9	130.9	65.4	29.7
87.5°	3.0	3.0	3.0	5.9	8.9	11.9	*14.9*	14.9	14.9	14.9	14.9
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: P1365325
CATALOG NUMBER: GSS-SB2C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8
2.5°	1889.0	1880.1	1835.4	1790.8	1752.2	1713.5	1674.8	1621.3	1579.6	1543.9	1529.0
5°	2067.5	2019.9	1951.5	1877.1	1811.7	1737.3	1665.9	1585.6	1520.1	1451.7	1416.0
7.5°	2189.5	2141.9	2028.8	1915.8	1835.4	1755.1	1680.8	1591.5	1505.2	1407.1	1353.5
10°	2246.0	2192.4	2070.5	1939.6	1841.4	1761.1	1692.7	1618.3	1532.0	1410.1	1338.7
12.5°	2284.6	2219.2	2079.4	1945.5	1847.3	1764.1	1698.6	1645.1	1594.5	1475.5	1392.2
15°	2308.4	2248.9	2103.2	1948.5	1838.4	1740.3	1677.8	1659.9	1668.9	1612.3	1511.2
17.5°	2344.1	2287.6	2132.9	1966.3	1823.6	1689.7	1621.3	1659.9	1740.3	1758.1	1677.8
20°	2391.7	2332.2	2171.6	1981.2	1778.9	1594.5	1529.0	1627.2	1761.1	1853.3	1808.7
22.5°	2445.3	2397.7	2216.2	1996.1	1713.5	1469.5	1439.8	1558.8	1701.6	1820.6	1823.6
25°	2510.7	2466.1	2278.7	2011.0	1624.2	1362.5	1368.4	1469.5	1582.6	1704.6	1725.4
27.5°	2600.0	2558.3	2356.0	2028.8	1532.0	1276.2	1305.9	1380.3	1457.7	1532.0	1561.8
30°	2698.1	2665.4	2448.3	2064.5	1445.8	1225.6	1243.5	1294.0	1356.5	1401.1	1416.0
32.5°	2832.0	2778.5	2534.5	2061.5	1380.3	1201.8	1184.0	1198.8	1249.4	1294.0	1297.0
35°	2998.6	2956.9	2623.8	2008.0	1320.8	1189.9	1127.4	1118.5	1148.3	1192.9	1189.9
37.5°	3242.5	3206.8	2769.5	1924.7	1246.4	1160.2	1068.0	1038.2	1059.0	1088.8	1097.7
40°	3608.4	3516.2	2936.1	1832.5	1172.1	1106.6	996.6	954.9	969.8	1002.5	1008.5
42.5°	4105.2	3929.7	3159.2	1707.5	1100.7	1026.3	925.2	880.5	889.5	919.2	925.2
45°	4741.8	4477.1	3465.6	1576.6	1044.2	943.0	850.8	803.2	812.1	844.8	859.7
47.5°	5485.5	5122.6	3786.9	1436.8	1011.4	877.6	776.4	740.7	761.5	794.3	800.2
50°	6363.1	5997.2	3992.2	1323.8	990.6	827.0	708.0	693.1	719.9	746.7	752.6
52.5°	7321.0	6800.4	3861.3	1231.6	972.8	809.1	660.4	666.4	687.2	714.0	722.9
55°	8252.1	7094.9	3427.0	1112.6	951.9	821.0	624.7	639.6	666.4	687.2	693.1
57.5°	8858.9	6848.0	2760.6	987.6	928.1	830.0	606.9	618.8	648.5	672.3	675.3
60°	8329.4	6306.6	2067.5	880.5	877.6	815.1	600.9	583.1	624.7	645.5	648.5
62.5°	6824.2	5158.3	1320.8	779.4	782.4	782.4	597.9	523.6	577.1	595.0	592.0
65°	*4688.3*	*3647.1*	*818.1*	*636.6*	*666.4*	*711.0*	*580.1*	*461.1*	*523.6*	*541.4*	*535.5*
67.5°	3081.9	2317.4	505.7	490.8	547.4	615.8	544.4	413.5	470.0	481.9	464.1
70°	1671.8	1091.8	333.2	321.3	428.4	484.9	461.1	371.8	419.4	431.3	413.5
72.5°	1103.6	627.7	235.0	235.0	336.2	339.1	377.8	333.2	371.8	383.7	365.9
75°	830.0	404.6	163.6	181.5	214.2	264.8	270.7	279.6	315.3	330.2	312.4
77.5°	380.8	148.7	98.2	133.9	148.7	202.3	172.5	208.2	235.0	241.0	226.1
80°	220.1	83.3	65.4	86.3	95.2	166.6	101.1	124.9	166.6	175.5	157.7
82.5°	92.2	41.6	44.6	53.5	56.5	92.2	71.4	80.3	110.1	107.1	95.2
85°	26.8	26.8	29.7	32.7	32.7	53.5	50.6	47.6	50.6	50.6	41.6
87.5°	17.8	17.8	17.8	20.8	20.8	23.8	26.8	29.7	29.7	29.7	26.8
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: P1365325
CATALOG NUMBER: GSS-SB2C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8
2.5°	1508.2	1481.4	1442.8	1436.8	1416.0	1401.1	1416.0	1430.9	1457.7	1460.6	1472.5
5°	1383.3	1320.8	1273.2	1219.7	1192.9	1189.9	1184.0	1201.8	1240.5	1264.3	1282.1
7.5°	1300.0	1186.9	1103.6	1029.3	1002.5	981.7	999.5	996.6	1047.1	1068.0	1085.8
10°	1255.4	1097.7	972.8	880.5	844.8	824.0	821.0	827.0	856.7	877.6	898.4
12.5°	1285.1	1062.0	877.6	770.5	731.8	708.0	687.2	687.2	693.1	719.9	728.8
15°	1383.3	1082.8	832.9	716.9	666.4	627.7	600.9	580.1	583.1	586.0	595.0
17.5°	1526.1	1136.4	818.1	684.2	630.7	583.1	556.3	532.5	526.5	526.5	523.6
20°	1662.9	1178.0	806.2	657.4	589.0	547.4	523.6	502.7	493.8	493.8	493.8
22.5°	1719.4	1213.7	791.3	624.7	547.4	508.7	487.9	473.0	470.0	470.0	467.0
25°	1674.8	1201.8	773.4	592.0	508.7	478.9	461.1	446.2	443.2	446.2	443.2
27.5°	1535.0	1160.2	749.6	565.2	478.9	452.2	437.3	422.4	419.4	422.4	422.4
30°	1386.3	1088.8	711.0	544.4	455.1	425.4	410.5	395.6	395.6	398.6	401.6
32.5°	1267.3	1017.4	666.4	517.6	428.4	401.6	386.7	371.8	371.8	377.8	377.8
35°	1166.1	960.9	621.7	490.8	404.6	374.8	362.9	351.0	348.1	354.0	357.0
37.5°	1085.8	910.3	574.1	464.1	380.8	354.0	342.1	327.2	324.3	330.2	336.2
40°	1002.5	853.8	532.5	431.3	357.0	330.2	318.3	300.5	300.5	306.4	312.4
42.5°	922.2	803.2	505.7	401.6	333.2	303.4	291.5	276.7	276.7	282.6	288.6
45°	856.7	755.6	490.8	371.8	306.4	279.6	264.8	252.9	255.8	261.8	267.7
47.5°	794.3	705.0	493.8	357.0	288.6	252.9	238.0	229.1	235.0	243.9	249.9
50°	746.7	669.3	496.8	333.2	264.8	232.0	217.2	211.2	220.1	229.1	235.0
52.5°	716.9	633.6	478.9	303.4	246.9	211.2	202.3	202.3	211.2	217.2	223.1
55°	687.2	574.1	440.3	270.7	229.1	196.3	190.4	190.4	199.3	205.3	208.2
57.5°	663.4	511.7	395.6	243.9	208.2	181.5	181.5	181.5	184.4	187.4	193.4
60°	618.8	446.2	339.1	223.1	187.4	169.6	166.6	166.6	163.6	166.6	175.5
62.5°	541.4	374.8	288.6	199.3	169.6	154.7	151.7	142.8	133.9	136.8	142.8
65°	*458.1*	*297.5*	*241.0*	*172.5*	*145.8*	*136.8*	*133.9*	*119.0*	*107.1*	*110.1*	*119.0*
67.5°	365.9	223.1	202.3	148.7	124.9	116.0	116.0	107.1	98.2	98.2	104.1
70°	285.6	187.4	151.7	119.0	98.2	98.2	104.1	95.2	83.3	83.3	92.2
72.5°	232.0	151.7	122.0	92.2	77.3	83.3	86.3	77.3	68.4	68.4	74.4
75°	181.5	119.0	95.2	68.4	59.5	62.5	68.4	62.5	53.5	56.5	59.5
77.5°	124.9	80.3	62.5	50.6	44.6	47.6	47.6	44.6	41.6	41.6	44.6
80°	83.3	53.5	41.6	35.7	32.7	32.7	29.7	29.7	32.7	32.7	35.7
82.5°	59.5	38.7	32.7	26.8	20.8	20.8	23.8	23.8	26.8	26.8	29.7
85°	35.7	26.8	23.8	17.8	14.9	17.8	17.8	20.8	23.8	23.8	26.8
87.5°	26.8	20.8	17.8	14.9	11.9	11.9	14.9	14.9	17.8	20.8	20.8
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: P1365325
CATALOG NUMBER: GSS-SB2C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8
2.5°	1502.3	1538.0	1588.5	1633.2	1686.7	1740.3	1790.8	1838.4	1841.4	1844.4
5°	1338.7	1410.1	1493.3	1594.5	1701.6	1805.7	1915.8	2005.0	2025.8	2037.7
7.5°	1157.2	1261.3	1389.2	1532.0	1692.7	1853.3	2008.0	2141.9	2192.4	2204.3
10°	966.8	1094.7	1249.4	1433.9	1651.0	1865.2	2073.4	2237.0	2296.5	2308.4
12.5°	797.2	901.4	1079.9	1303.0	1564.7	1847.3	2097.2	2278.7	2338.2	2353.1
15°	651.5	749.6	916.2	1151.2	1445.8	1784.9	2079.4	2287.6	2347.1	2359.0
17.5°	538.4	600.9	752.6	1008.5	1338.7	1704.6	2055.6	2293.6	2350.1	2359.0
20°	493.8	505.7	586.0	835.9	1225.6	1645.1	2040.7	2302.5	2359.0	2367.9
22.5°	473.0	473.0	490.8	636.6	1068.0	1582.6	2034.8	2329.3	2370.9	2379.8
25°	452.2	452.2	458.1	499.8	880.5	1505.2	2046.7	2376.9	2403.6	2403.6
27.5°	431.3	431.3	437.3	446.2	654.5	1377.3	2049.6	2430.4	2442.3	2433.4
30°	410.5	416.5	416.5	422.4	481.9	1216.7	2031.8	2489.9	2489.9	2472.1
32.5°	389.7	392.7	398.6	401.6	419.4	1008.5	2002.0	2564.3	2549.4	2525.6
35°	371.8	374.8	374.8	380.8	398.6	806.2	1969.3	2665.4	2623.8	2597.0
37.5°	348.1	351.0	354.0	360.0	377.8	639.6	1921.7	2751.7	2721.9	2686.2
40°	327.2	330.2	333.2	339.1	357.0	550.3	1862.2	2882.6	2876.6	2835.0
42.5°	303.4	309.4	312.4	315.3	339.1	502.7	1820.6	3093.8	3093.8	3043.2
45°	282.6	288.6	288.6	294.5	327.2	461.1	1912.8	3385.3	3409.1	3361.5
47.5°	264.8	267.7	267.7	270.7	309.4	425.4	2159.7	3831.5	3801.8	3769.1
50°	246.9	252.9	246.9	249.9	294.5	446.2	2567.2	4402.7	4480.0	4423.5
52.5°	235.0	238.0	226.1	226.1	273.7	473.0	2900.4	5131.5	5390.3	5321.9
55°	220.1	223.1	208.2	208.2	241.0	410.5	2921.2	5961.5	6529.7	6574.3
57.5°	205.3	205.3	193.4	190.4	208.2	333.2	2591.0	6604.0	7892.1	7993.3
60°	187.4	184.4	178.5	172.5	190.4	306.4	1975.3	6517.8	8567.4	8918.4
62.5°	160.6	166.6	163.6	151.7	172.5	285.6	1288.1	5640.2	7805.9	8115.2
65°	*133.9*	*142.8*	*142.8*	*133.9*	*190.4*	*249.9*	*678.3*	*4515.7*	*6514.8*	*6886.7*
67.5°	119.0	124.9	122.0	116.0	169.6	157.7	327.2	3462.7	5577.7	5934.7
70°	104.1	110.1	101.1	95.2	136.8	113.0	193.4	2317.4	4605.0	4953.0
72.5°	86.3	92.2	83.3	74.4	101.1	86.3	127.9	1508.2	3834.5	4221.2
75°	71.4	74.4	68.4	59.5	74.4	68.4	89.2	984.7	3206.8	3492.4
77.5°	50.6	56.5	53.5	44.6	53.5	47.6	62.5	562.2	2237.0	2451.2
80°	38.7	38.7	38.7	35.7	32.7	32.7	41.6	252.9	1085.8	1207.8
82.5°	32.7	32.7	29.7	26.8	23.8	20.8	23.8	74.4	511.7	541.4
85°	29.7	23.8	20.8	17.8	14.9	8.9	8.9	20.8	104.1	86.3
87.5°	17.8	14.9	11.9	5.9	3.0	3.0	0.0	3.0	3.0	3.0
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: SP1-2407-184-3

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

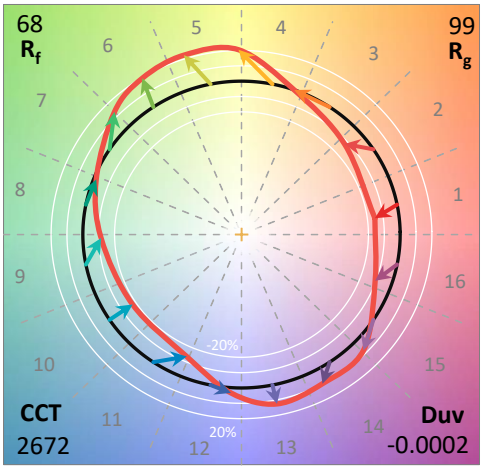
Test Information

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

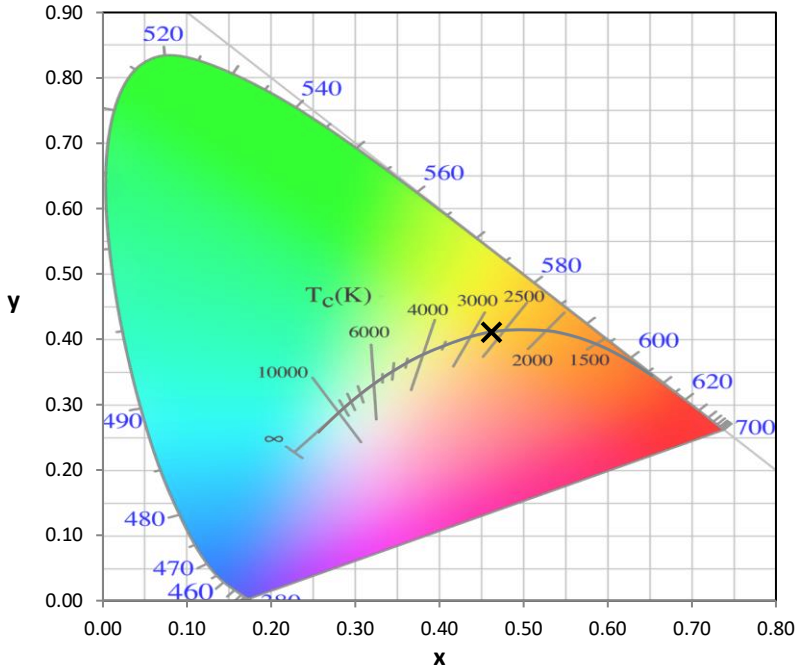
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

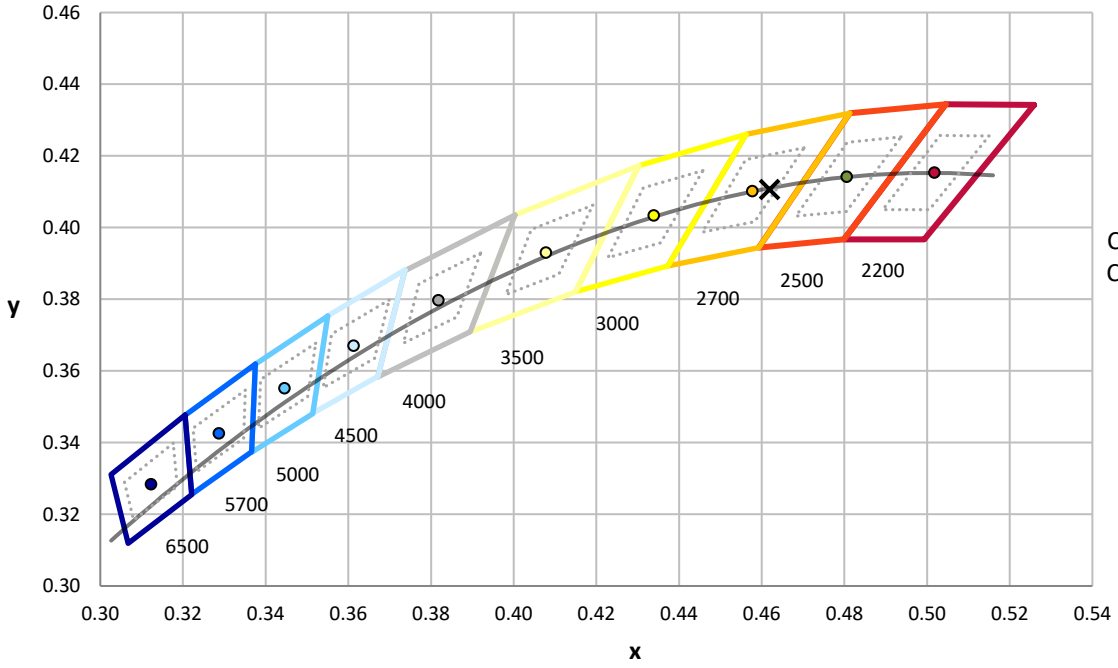
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

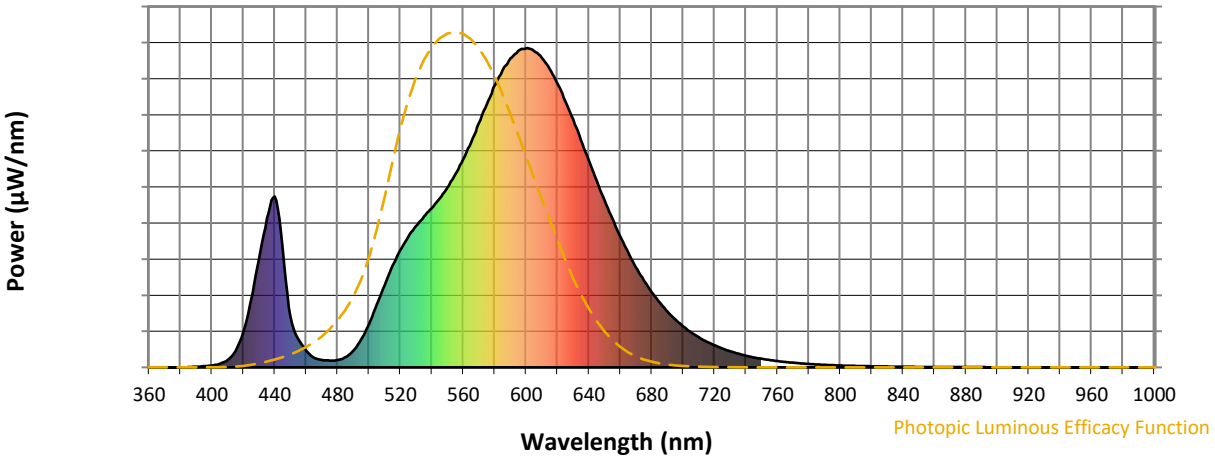


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

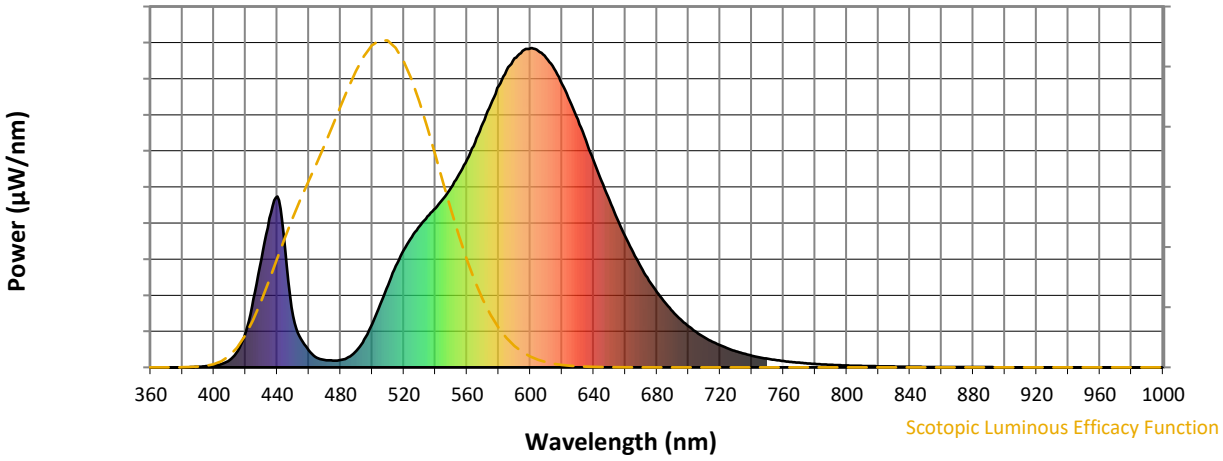


Photopic Lumens: NR

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

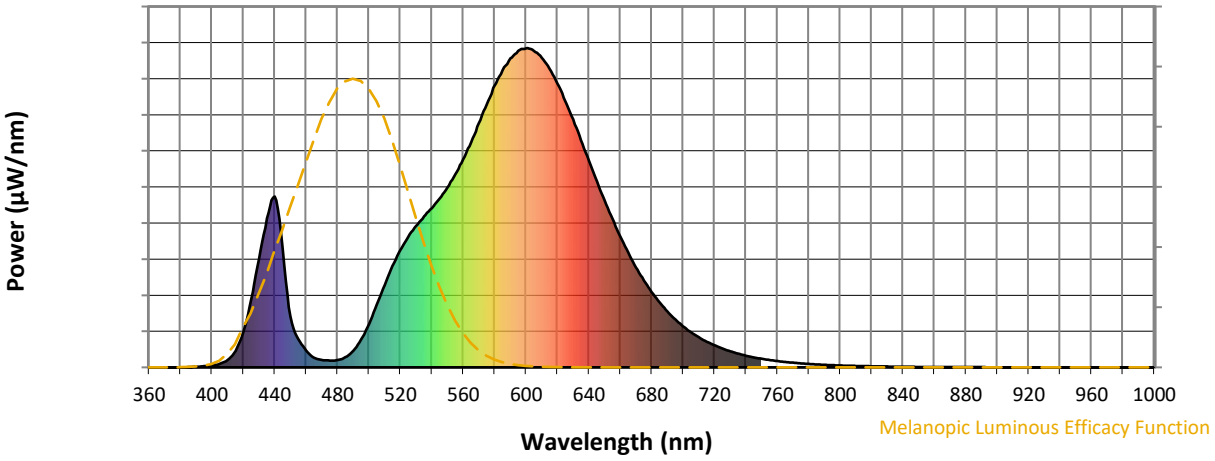


Scotopic Lumens: NR **S/P: 1.02**

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			

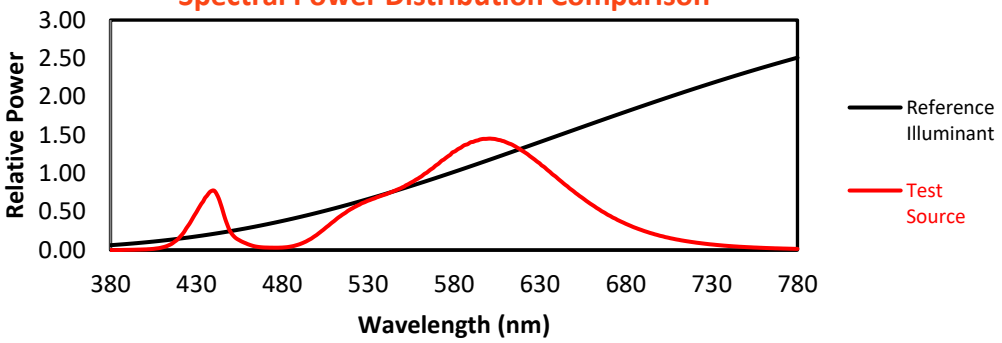
REPORT NUMBER: SP1-2407-184-3

TM-30-18

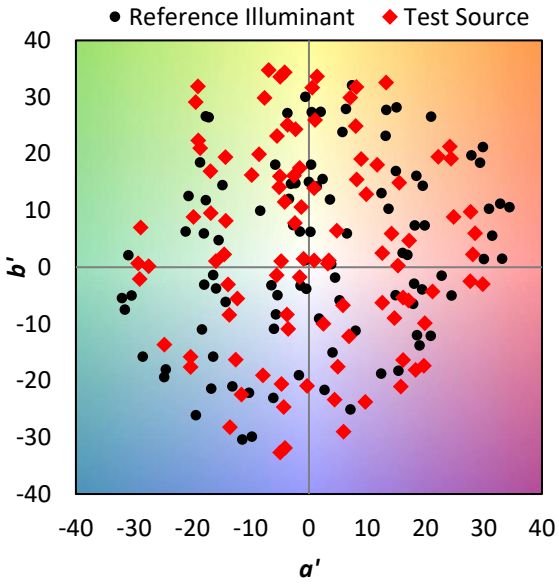
Summary

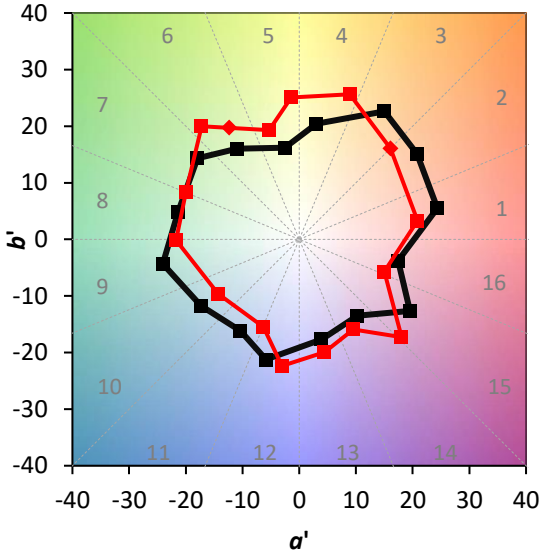
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

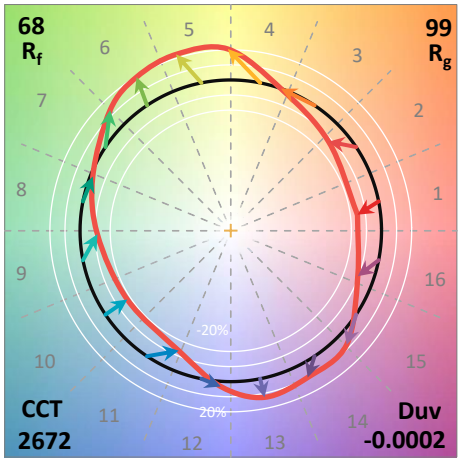
Spectral Power Distribution Comparison

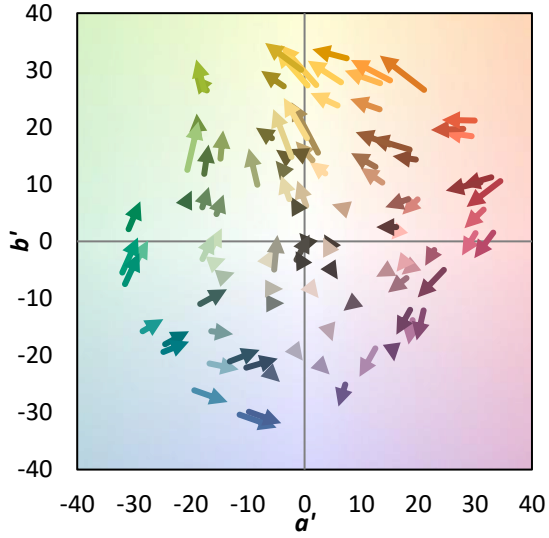


Color Vector Graphics







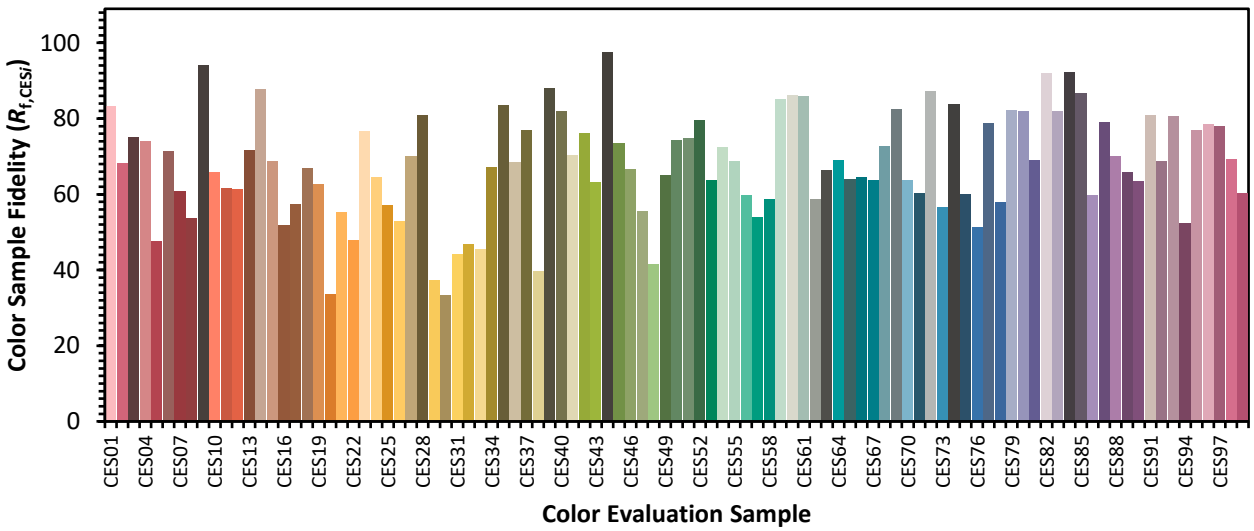


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

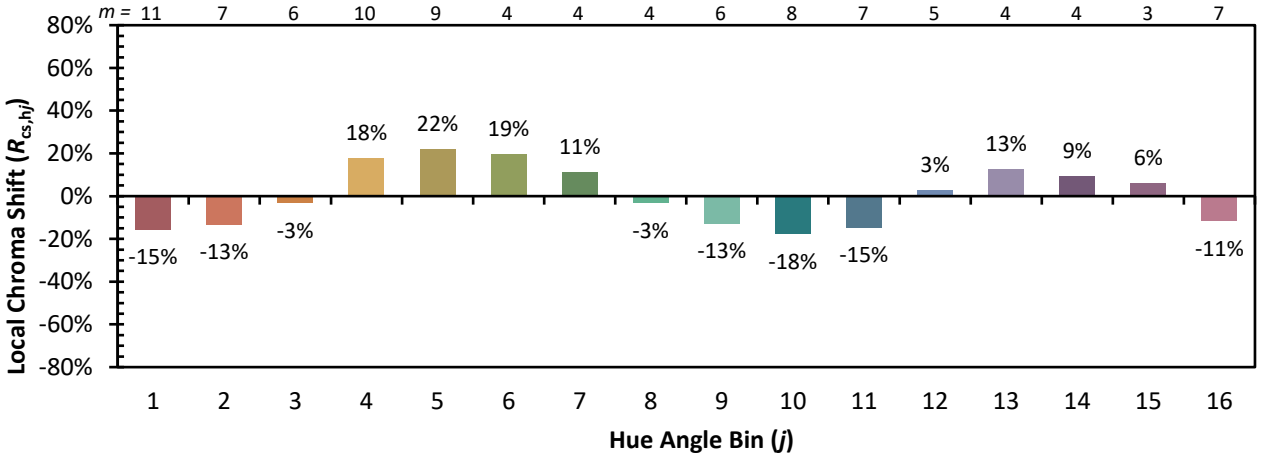
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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	

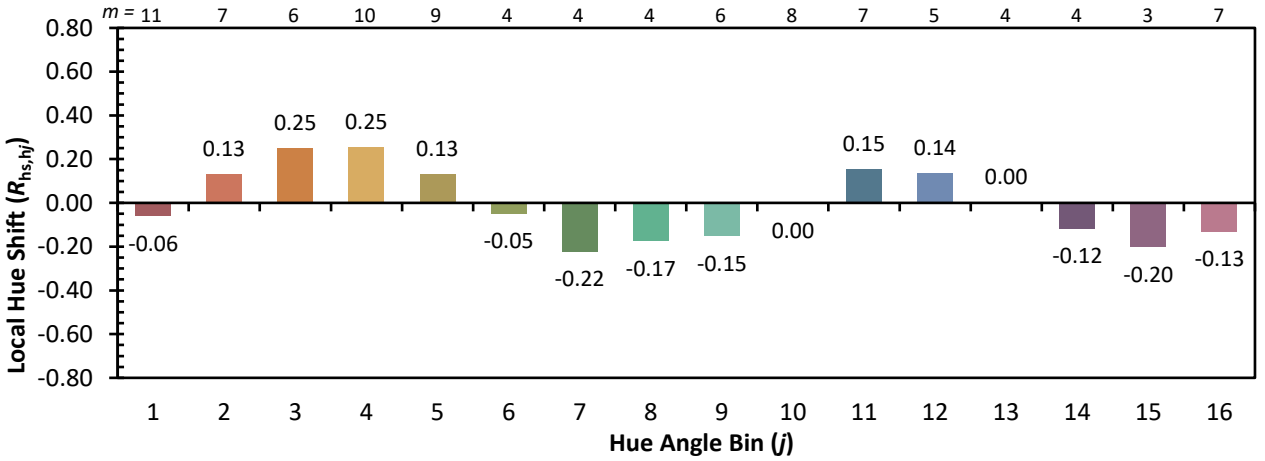


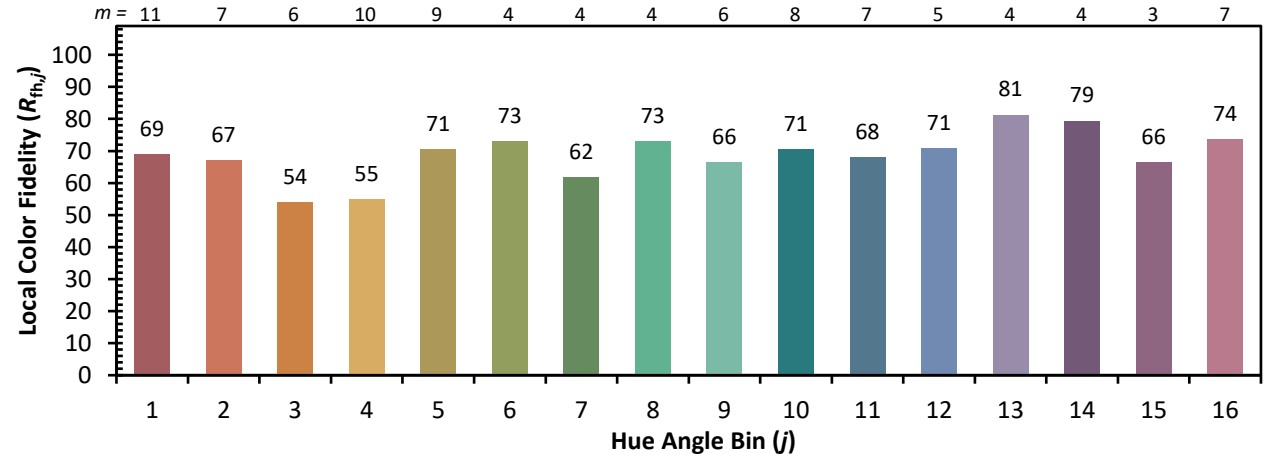
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



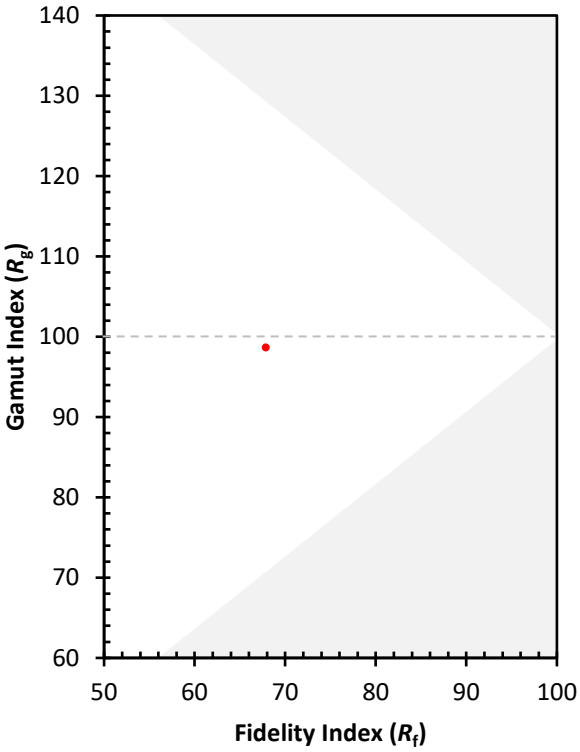


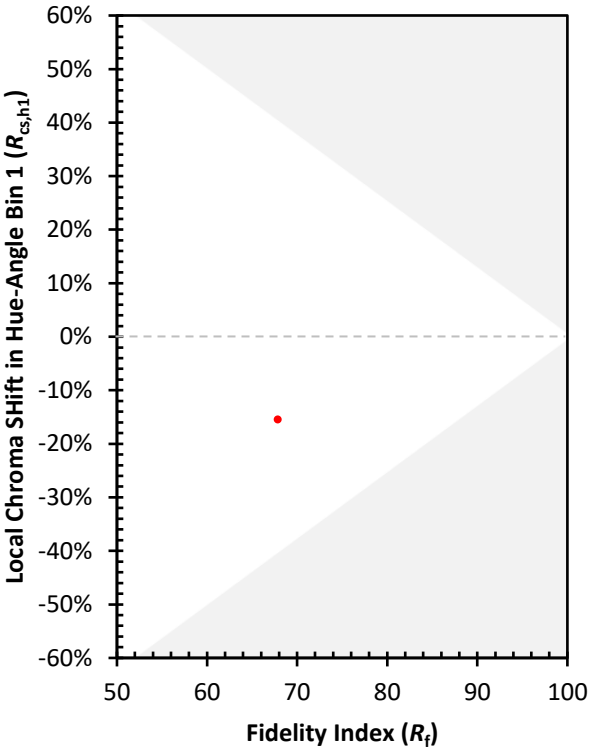


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)