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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1704733

Luminaire Tested: GSS-SB6A-AMB-U-SLR

Issue Date: 10/28/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1704733
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	10/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-AMB-U-SLR
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 6SQUARE 196W 1590K FIXTURE w/ RIGHT 90 DEG SPILL CONTROL DISTRIBUTION
Light Source:	(156) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11267.1 lumens
Efficiency:	N/A
Efficacy:	57.5 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):	196
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

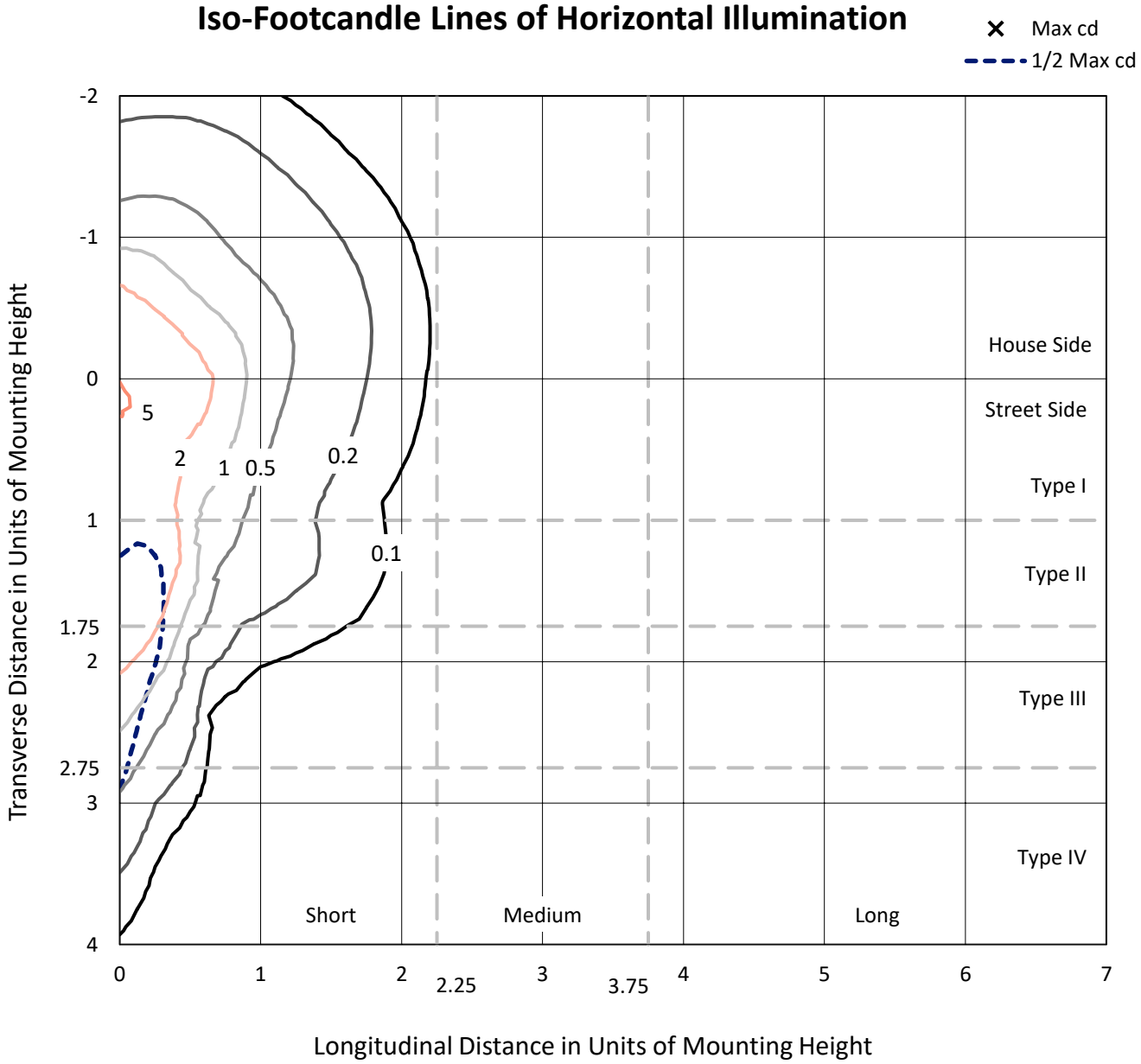


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REPORT NUMBER: P1704733
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Iso-Footcandle Lines of Horizontal Illumination



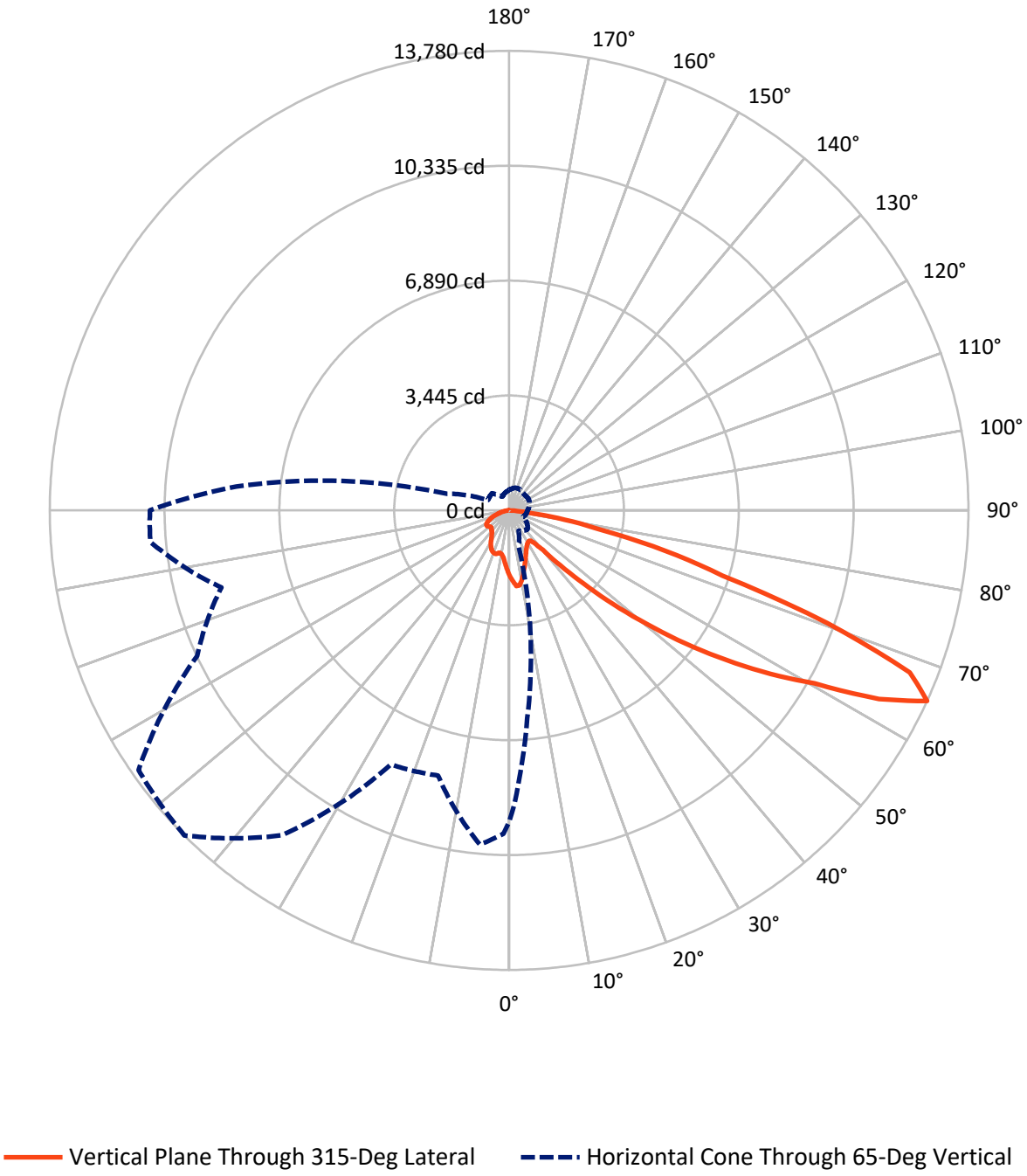
Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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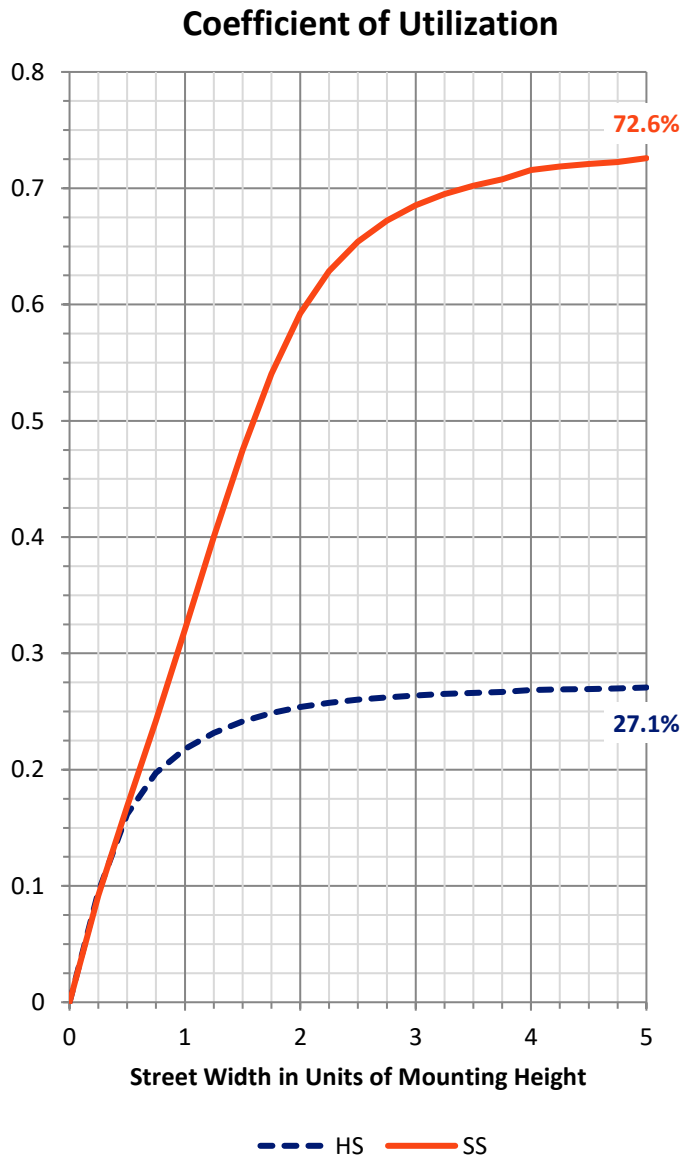
REPORT NUMBER: P1704733
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3075.2	0.0	3075.2
	% Fixture	27.3	0.0	27.3
Street Side	Lumens	8192.0	0.0	8192.0
	% Fixture	72.7	0.0	72.7
Total	Lumens	11267.1	0.0	11267.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	1.6
10°-20°	513.9	4.6
20°-30°	780.6	6.9
30°-40°	947.3	8.4
40°-50°	1357.7	12.0
50°-60°	2409.2	21.4
60°-70°	3307.3	29.4
70°-80°	1614.8	14.3
80°-90°	155.3	1.4
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°	11267.1	100.0
0°-180°	11267.1	100.0



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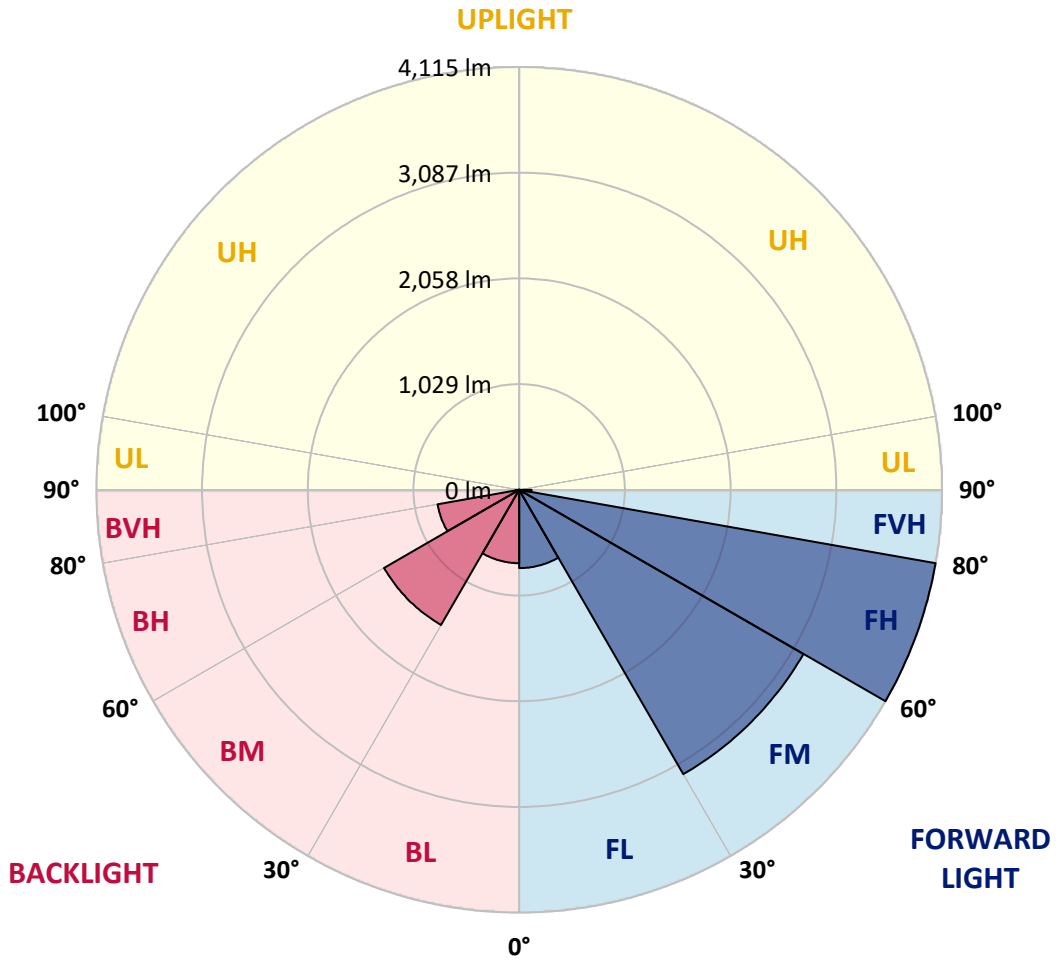
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	761.9	6.8			
FM	(30°-60°)	3194.9	28.4			
FH	(60°-80°)	4115.4	36.5			G2/5000
FVH	(80°-90°)	119.7	1.1			G2/225
BL	(0°-30°)	713.7	6.3	B2/1000		
BM	(30°-60°)	1519.2	13.5	B2/2500		
BH	(60°-80°)	806.7	7.2	B2/1000		G2/1000
BVH	(80°-90°)	35.6	0.3			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°	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9
2.5°	2088.8	2088.8	2083.4	2056.4	2018.7	1991.7	1959.3	1921.5	1878.3	1856.7	1840.5
5°	2223.8	2196.8	2180.6	2126.6	2051.1	1986.3	1926.9	1867.5	1797.4	1732.6	1689.4
7.5°	2256.2	2245.4	2245.4	2153.6	2072.6	1986.3	1921.5	1845.9	1754.2	1673.2	1570.7
10°	2256.2	2250.8	2234.6	2191.4	2072.6	1980.9	1921.5	1851.3	1770.4	1667.8	1570.7
12.5°	2240.0	2245.4	2250.8	2202.2	2083.4	1997.1	1916.1	1867.5	1808.2	1743.4	1651.6
15°	2213.0	2218.4	2250.8	2229.2	2105.0	1970.1	1894.5	1835.2	1840.5	1878.3	1829.8
17.5°	2196.8	2196.8	2266.9	2256.2	2110.4	1980.9	1819.0	1770.4	1845.9	2013.3	2034.9
20°	2169.8	2186.0	2277.7	2277.7	2110.4	1889.1	1694.8	1673.2	1829.8	2029.5	2159.0
22.5°	2142.8	2159.0	2288.5	2326.3	2132.0	1824.4	1543.7	1559.9	1743.4	1943.1	2115.8
25°	2121.2	2137.4	2304.7	2418.1	2148.2	1727.2	1424.9	1484.3	1635.4	1781.2	1943.1
27.5°	2115.8	2159.0	2358.7	2542.2	2180.6	1640.8	1360.2	1441.1	1543.7	1640.8	1732.6
30°	2137.4	2169.8	2423.5	2655.6	2261.6	1549.1	1327.8	1403.3	1473.5	1543.7	1559.9
32.5°	2196.8	2234.6	2542.2	2812.1	2315.5	1527.5	1317.0	1360.2	1392.6	1403.3	1424.9
35°	2256.2	2320.9	2709.5	2963.2	2342.5	1505.9	1322.4	1290.0	1295.4	1290.0	1284.6
37.5°	2380.3	2450.5	2893.1	3141.3	2277.7	1468.1	1322.4	1214.4	1187.5	1155.1	1165.9
40°	2574.6	2634.0	3157.5	3357.2	2153.6	1398.0	1290.0	1138.9	1079.5	1047.1	1036.3
42.5°	2866.1	2963.2	3557.0	3589.3	2002.5	1300.8	1230.6	1041.7	966.2	939.2	923.0
45°	3281.7	3405.8	4172.3	3945.6	1840.5	1192.8	1128.1	960.8	874.4	842.0	842.0
47.5°	3988.8	4156.1	4976.5	4393.6	1657.0	1122.7	998.5	852.8	771.8	755.6	771.8
50°	5095.2	5311.1	6282.7	4922.5	1495.1	1079.5	896.0	744.9	696.3	701.7	739.5
52.5°	6536.4	6876.4	7848.0	5095.2	1398.0	1047.1	836.6	663.9	653.1	669.3	712.5
55°	8355.3	8765.5	9175.8	4658.0	1273.8	1041.7	815.0	609.9	626.1	653.1	696.3
57.5°	10708.6	10665.5	9715.5	3983.4	1144.3	1020.1	836.6	582.9	593.7	626.1	663.9
60°	11939.3	11583.0	9337.7	2957.8	993.1	955.4	863.6	599.1	566.7	599.1	631.5
62.5°	11102.7	10508.9	8069.3	1899.9	836.6	858.2	863.6	631.5	507.4	550.5	582.9
65°	*9343.1*	*8819.5*	*6250.3*	*1106.5*	*674.7*	*744.9*	*793.4*	*653.1*	*458.8*	*507.4*	*539.8*
67.5°	8080.1	7518.7	4739.0	690.9	512.8	593.7	696.3	631.5	421.0	458.8	485.8
70°	6633.5	5996.6	3341.1	475.0	394.0	469.6	577.5	555.9	394.0	410.2	448.0
72.5°	4852.4	4393.6	1943.1	313.1	313.1	345.4	415.6	458.8	367.0	372.4	399.4
75°	3173.7	2785.1	987.7	210.5	232.1	237.5	334.6	356.2	318.5	313.1	345.4
77.5°	1392.6	1257.6	426.4	145.7	156.5	167.3	248.3	280.7	253.7	242.9	269.9
80°	626.1	545.1	232.1	108.0	97.2	108.0	156.5	215.9	178.1	178.1	194.3
82.5°	183.5	172.7	124.1	70.2	59.4	64.8	81.0	129.5	129.5	118.7	124.1
85°	70.2	59.4	48.6	27.0	27.0	27.0	37.8	75.6	64.8	59.4	48.6
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	10.8	16.2	16.2	21.6	16.2
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°	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9
2.5°	1829.8	1808.2	1786.6	1765.0	1781.2	1765.0	1775.8	1786.6	1802.8	1819.0	1824.4
5°	1657.0	1635.4	1597.7	1586.9	1570.7	1570.7	1554.5	1581.5	1603.1	1640.8	1657.0
7.5°	1549.1	1527.5	1468.1	1446.5	1424.9	1414.1	1419.5	1451.9	1473.5	1505.9	1527.5
10°	1511.3	1462.7	1408.7	1371.0	1344.0	1333.2	1333.2	1344.0	1371.0	1403.3	1430.3
12.5°	1576.1	1516.7	1414.1	1360.2	1322.4	1300.8	1311.6	1317.0	1338.6	1371.0	1398.0
15°	1754.2	1657.0	1478.9	1398.0	1354.8	1327.8	1322.4	1327.8	1344.0	1403.3	1446.5
17.5°	1980.9	1840.5	1581.5	1435.7	1381.8	1365.6	1344.0	1354.8	1387.2	1473.5	1565.3
20°	2115.8	1991.7	1640.8	1462.7	1387.2	1360.2	1360.2	1381.8	1435.7	1608.5	1748.8
22.5°	2126.6	2007.9	1630.0	1435.7	1365.6	1333.2	1344.0	1365.6	1451.9	1694.8	1932.3
25°	1991.7	1889.1	1549.1	1376.4	1311.6	1273.8	1279.2	1322.4	1414.1	1754.2	1937.7
27.5°	1754.2	1705.6	1392.6	1268.4	1214.4	1198.2	1214.4	1252.2	1349.4	1635.4	1775.8
30°	1559.9	1495.1	1241.4	1155.1	1111.9	1106.5	1111.9	1155.1	1225.2	1419.5	1576.1
32.5°	1419.5	1338.6	1122.7	1057.9	1025.5	998.5	1020.1	1063.3	1090.3	1284.6	1403.3
35°	1279.2	1241.4	1074.1	998.5	939.2	917.6	944.6	960.8	1020.1	1176.7	1257.6
37.5°	1160.5	1122.7	1041.7	960.8	896.0	858.2	879.8	917.6	987.7	1106.5	1171.3
40°	1041.7	1036.3	1009.3	939.2	858.2	809.6	831.2	906.8	987.7	1057.9	1084.9
42.5°	950.0	955.4	960.8	901.4	825.8	788.0	804.2	885.2	976.9	1003.9	998.5
45°	858.2	896.0	917.6	858.2	788.0	750.3	771.8	858.2	933.8	944.6	923.0
47.5°	804.2	842.0	869.0	820.4	777.2	734.1	761.0	836.6	901.4	906.8	863.6
50°	777.2	809.6	842.0	815.0	777.2	755.6	782.6	858.2	901.4	874.4	842.0
52.5°	744.9	788.0	842.0	825.8	793.4	777.2	815.0	885.2	917.6	869.0	820.4
55°	717.9	761.0	820.4	825.8	798.8	809.6	847.4	885.2	923.0	874.4	809.6
57.5°	696.3	739.5	798.8	804.2	788.0	809.6	842.0	874.4	906.8	836.6	782.6
60°	663.9	696.3	771.8	782.6	771.8	788.0	809.6	852.8	863.6	793.4	739.5
62.5°	609.9	647.7	707.1	739.5	734.1	728.7	744.9	793.4	793.4	723.3	674.7
65°	*550.5*	*582.9*	*636.9*	*669.3*	*674.7*	*653.1*	*685.5*	*712.5*	*701.7*	*642.3*	*615.3*
67.5°	496.6	518.2	561.3	582.9	588.3	577.5	588.3	615.3	593.7	566.7	539.8
70°	448.0	469.6	507.4	518.2	507.4	496.6	502.0	529.0	539.8	512.8	491.2
72.5°	404.8	415.6	442.6	453.4	426.4	383.2	431.8	475.0	485.8	453.4	437.2
75°	350.8	361.6	388.6	388.6	334.6	313.1	340.0	404.8	421.0	394.0	372.4
77.5°	275.3	296.9	329.2	329.2	269.9	248.3	269.9	329.2	329.2	318.5	302.3
80°	194.3	205.1	221.3	221.3	205.1	178.1	188.9	232.1	248.3	248.3	232.1
82.5°	118.7	118.7	140.3	140.3	118.7	108.0	129.5	145.7	151.1	140.3	118.7
85°	43.2	43.2	59.4	64.8	54.0	43.2	43.2	64.8	54.0	43.2	43.2
87.5°	16.2	16.2	10.8	5.4	0.0	0.0	0.0	0.0	5.4	5.4	5.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9
2.5°	1829.8	1862.1	1894.5	1916.1	1953.9	1991.7	2013.3	2045.7	2067.2	2078.0	2088.8
5°	1684.0	1743.4	1808.2	1867.5	1932.3	2024.1	2072.6	2142.8	2186.0	2207.6	2218.4
7.5°	1559.9	1619.2	1732.6	1813.6	1921.5	2024.1	2099.6	2191.4	2229.2	2256.2	2261.6
10°	1473.5	1559.9	1684.0	1824.4	1916.1	2018.7	2105.0	2207.6	2245.4	2250.8	2245.4
12.5°	1451.9	1581.5	1738.0	1856.7	1943.1	2024.1	2105.0	2218.4	2234.6	2213.0	2180.6
15°	1505.9	1678.6	1835.2	1921.5	1986.3	2051.1	2132.0	2229.2	2207.6	2159.0	2083.4
17.5°	1678.6	1910.7	1964.7	1959.3	2018.7	2067.2	2137.4	2229.2	2169.8	2094.2	2007.9
20°	1932.3	2121.2	2029.5	1932.3	1970.1	2051.1	2159.0	2234.6	2137.4	2029.5	1899.9
22.5°	2105.0	2186.0	2002.5	1829.8	1829.8	1997.1	2159.0	2266.9	2115.8	1970.1	1829.8
25°	2078.0	2056.4	1862.1	1694.8	1646.2	1910.7	2164.4	2304.7	2115.8	1937.7	1765.0
27.5°	1905.3	1851.3	1694.8	1576.1	1489.7	1786.6	2180.6	2380.3	2142.8	1926.9	1738.0
30°	1657.0	1662.4	1586.9	1468.1	1376.4	1689.4	2207.6	2509.8	2196.8	1926.9	1727.2
32.5°	1468.1	1489.7	1457.3	1403.3	1311.6	1586.9	2293.9	2666.4	2266.9	1937.7	1721.8
35°	1311.6	1333.2	1344.0	1306.2	1263.0	1500.5	2401.9	2833.7	2369.5	2002.5	1743.4
37.5°	1187.5	1203.6	1225.2	1219.8	1236.0	1484.3	2455.9	2984.8	2493.6	2051.1	1781.2
40°	1079.5	1079.5	1117.3	1122.7	1203.6	1435.7	2428.9	3125.2	2634.0	2137.4	1867.5
42.5°	982.3	976.9	998.5	1047.1	1203.6	1365.6	2304.7	3276.3	2828.3	2277.7	1991.7
45°	896.0	879.8	912.2	966.2	1171.3	1257.6	2126.6	3449.0	3092.8	2472.1	2175.2
47.5°	825.8	798.8	825.8	901.4	1074.1	1128.1	1894.5	3648.7	3384.2	2698.8	2434.3
50°	793.4	734.1	717.9	815.0	939.2	1030.9	1678.6	3853.8	3816.0	3044.2	2741.9
52.5°	771.8	690.9	658.5	685.5	809.6	993.1	1457.3	4345.0	4793.0	3691.9	3206.1
55°	755.6	674.7	636.9	609.9	712.5	960.8	1295.4	4722.8	6439.2	5321.9	4183.1
57.5°	723.3	642.3	604.5	555.9	717.9	923.0	1160.5	4884.7	8528.0	7513.3	5796.9
60°	685.5	615.3	561.3	529.0	723.3	890.6	1014.7	4501.5	9440.2	10325.4	8063.9
62.5°	636.9	561.3	512.8	523.6	744.9	809.6	869.0	3314.1	9424.0	11442.7	11782.7
65°	*577.5*	*529.0*	*458.8*	*534.4*	*723.3*	*712.5*	*707.1*	*1916.1*	*8215.0*	*10773.4*	*10805.8*
67.5°	518.2	475.0	421.0	534.4	658.5	615.3	523.6	1030.9	6617.3	9548.2	9850.4
70°	469.6	431.8	383.2	475.0	555.9	485.8	388.6	593.7	4701.2	7659.1	8636.0
72.5°	421.0	383.2	350.8	415.6	415.6	367.0	286.1	340.0	2849.9	5716.0	7173.3
75°	356.2	323.9	313.1	367.0	329.2	232.1	221.3	215.9	1484.3	3924.0	5397.5
77.5°	291.5	253.7	242.9	307.7	264.5	161.9	151.1	140.3	653.1	2272.3	3497.6
80°	232.1	194.3	167.3	226.7	183.5	102.6	86.4	91.8	199.7	604.5	993.1
82.5°	113.3	113.3	108.0	151.1	97.2	59.4	48.6	59.4	108.0	194.3	280.7
85°	43.2	43.2	48.6	70.2	37.8	21.6	16.2	21.6	32.4	48.6	59.4
87.5°	5.4	10.8	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1704733
CATALOG NUMBER: GSS-SB6A-AMB-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1953.9	1953.9	1953.9	*1953.9*	1953.9	1953.9	1953.9	1953.9	1953.9	1953.9
2.5°	2099.6	2110.4	2115.8	*2115.8*	2126.6	2115.8	2099.6	2094.2	2088.8	2088.8
5°	2245.4	2256.2	2266.9	*2277.7*	2272.3	2261.6	2234.6	2213.0	2207.6	2223.8
7.5°	2272.3	2266.9	2261.6	*2266.9*	2250.8	2250.8	2277.7	2261.6	2250.8	2256.2
10°	2202.2	2142.8	2132.0	*2110.4*	2121.2	2132.0	2202.2	2250.8	2240.0	2256.2
12.5°	2078.0	1991.7	1932.3	*1910.7*	1932.3	1980.9	2088.8	2207.6	2223.8	2240.0
15°	1943.1	1813.6	1759.6	*1743.4*	1765.0	1829.8	1948.5	2142.8	2196.8	2213.0
17.5°	1802.8	1678.6	1603.1	*1576.1*	1613.9	1684.0	1851.3	2083.4	2159.0	2196.8
20°	1673.2	1543.7	1462.7	*1430.3*	1473.5	1581.5	1759.6	2013.3	2121.2	2169.8
22.5°	1581.5	1430.3	1344.0	*1311.6*	1365.6	1484.3	1667.8	1953.9	2094.2	2142.8
25°	1511.3	1349.4	1246.8	*1219.8*	1295.4	1403.3	1613.9	1910.7	2061.8	2121.2
27.5°	1462.7	1279.2	1182.1	*1155.1*	1225.2	1360.2	1576.1	1862.1	2056.4	2115.8
30°	1435.7	1241.4	1138.9	*1111.9*	1187.5	1327.8	1549.1	1862.1	2056.4	2137.4
32.5°	1424.9	1236.0	1128.1	*1095.7*	1187.5	1333.2	1543.7	1867.5	2088.8	2196.8
35°	1441.1	1263.0	1149.7	*1117.3*	1219.8	1381.8	1581.5	1916.1	2159.0	2256.2
37.5°	1484.3	1333.2	1241.4	*1252.2*	1333.2	1484.3	1684.0	2024.1	2266.9	2380.3
40°	1586.9	1473.5	1516.7	*1554.5*	1662.4	1700.2	1862.1	2207.6	2466.7	2574.6
42.5°	1738.0	1829.8	2051.1	*2245.4*	2240.0	2105.0	2110.4	2445.1	2736.5	2866.1
45°	2045.7	2342.5	2839.1	*3130.6*	3001.0	2725.7	2493.6	2774.3	3114.4	3281.7
47.5°	2439.7	3065.8	3810.6	*4193.9*	3951.0	3395.0	2930.8	3260.1	3751.3	3988.8
50°	2893.1	3924.0	4927.9	*5343.5*	4911.7	4058.9	3427.4	3907.8	4712.0	5095.2
52.5°	3411.2	4739.0	6163.9	*6644.3*	5964.2	4685.0	3913.2	4938.7	6120.8	6536.4
55°	3805.2	5489.3	7470.1	*7928.9*	6962.8	5160.0	4436.7	6406.8	7928.9	8355.3
57.5°	4269.4	6174.7	8528.0	*9245.9*	7718.4	5624.2	5089.8	8468.7	10357.8	10708.6
60°	4895.5	7022.1	9731.7	*10535.9*	8695.4	6190.9	6083.0	11048.7	12014.8	11939.3
62.5°	7265.0	8792.5	11718.0	*12457.4*	10535.9	7864.2	8371.5	11923.1	11421.1	11102.7
65°	*8932.9*	*10325.4*	*13569.3*	*13779.8*	*11890.7*	*8403.9*	*8231.2*	*10060.9*	*9699.3*	*9343.1*
67.5°	7362.2	9639.9	12954.0	*12964.8*	11081.1	7427.0	6520.2	8900.5	8468.7	8080.1
70°	6158.5	8387.7	11345.5	*10136.5*	9796.5	6595.7	5575.6	7907.3	7054.5	6633.5
72.5°	5116.8	6504.0	9332.3	*6692.9*	8269.0	5516.2	4766.0	6482.4	5413.7	4852.4
75°	4004.9	5149.2	5840.1	*4841.6*	5435.3	4301.8	3718.9	4695.8	3573.1	3173.7
77.5°	2688.0	3422.0	3821.4	*2849.9*	3702.7	2968.6	1883.7	2180.6	1613.9	1392.6
80°	1047.1	1657.0	2105.0	*1700.2*	1980.9	1630.0	788.0	906.8	669.3	626.1
82.5°	410.2	728.7	950.0	*658.5*	923.0	863.6	275.3	221.3	188.9	183.5
85°	91.8	383.2	383.2	*248.3*	280.7	415.6	97.2	70.2	70.2	70.2
87.5°	0.0	0.0	0.0	*5.4*	5.4	5.4	5.4	5.4	5.4	5.4
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: SP3-2509-541-1

Test Date: 09/16/2025

Luminaire Tested: GALN-SA1A-AMB-U-T3BC

Data in this report applies to families of products including GALN-SA1A*

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

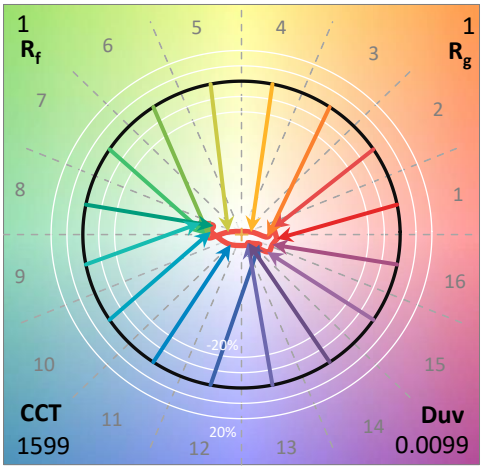
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2509-541-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	10/02/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GALN-SA1A-AMB-U-T3BC**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) AMBER, 615MA LIGHTSQUARES TYPE III ROADWAY OPTICS WITH ANGLED BACKLIGHT CONTROL HEATSINK

Spectral Parameters

CCT (K):	1599
CIE u':	0.3452
CIE v':	0.5480
Duv:	0.0099
CIE x:	0.5859
CIE y:	0.4133
CIE z:	0.0008
Peak Wavelength (nm):	596
Dominant Wavelength (nm):	591
Purity:	99.94224
Rf:	1.2
Rg:	0.9

CRI (Ra):	-22.7				
R1:	-36.4	R9:	-395.3		
R2:	50.8	R10:	26.0		
R3:	18.3	R11:	-97.2		
R4:	-69.1	R12:	-14.1		
R5:	-41.9	R13:	-17.6		
R6:	38.5	R14:	46.4		
R7:	-6.7	R15:	-69.4		
R8:	-135.4				



Test Conditions

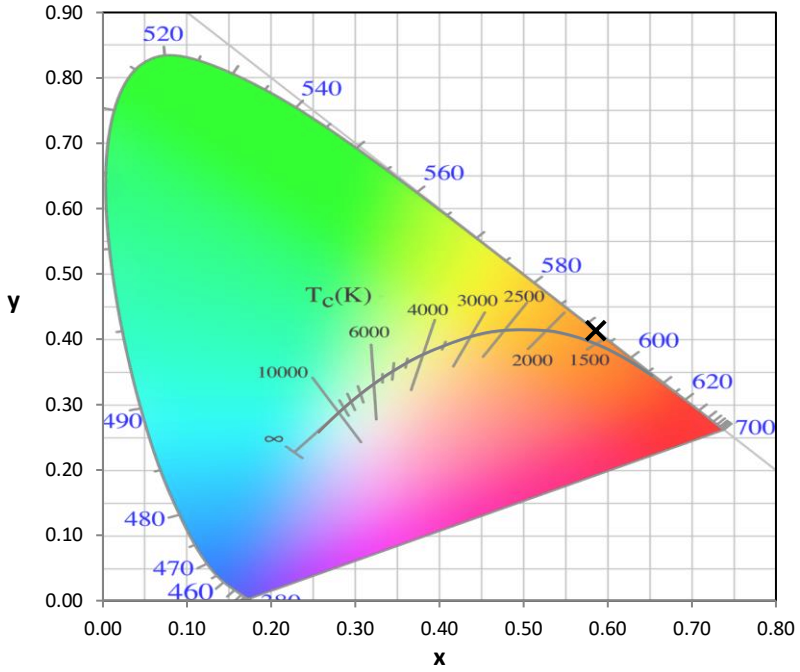
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

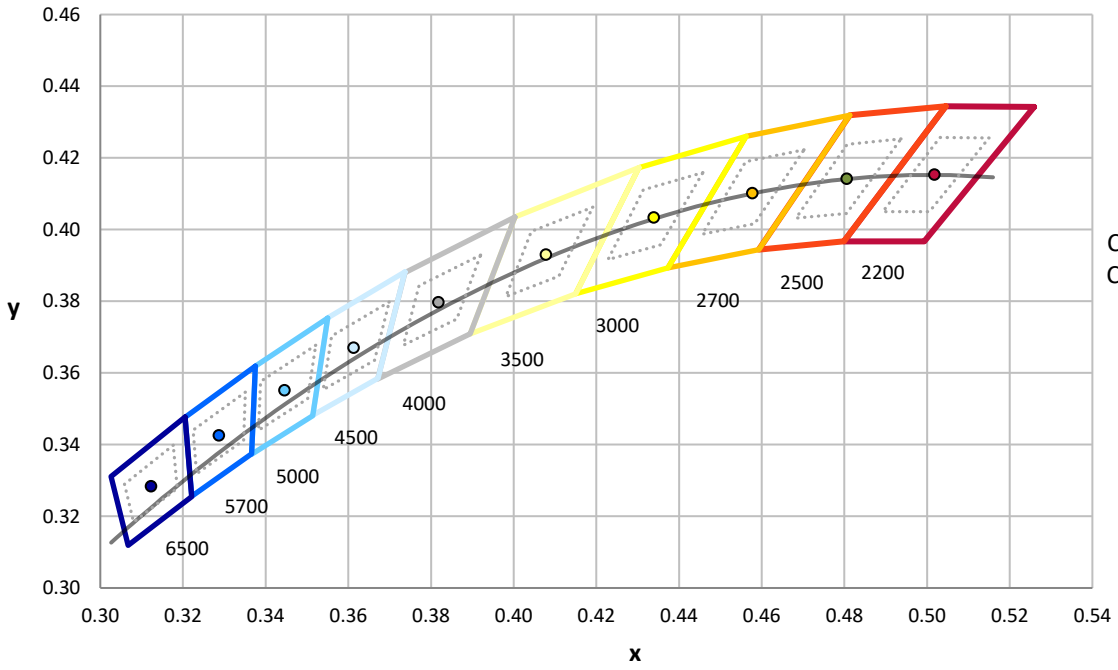
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024	10/22/2025
Sphere Thermometer	TANDD IN4036E	10/22/2024	10/22/2025

REPORT NUMBER: SP3-2509-541-1

CIE 1931 Chromaticity Diagram



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

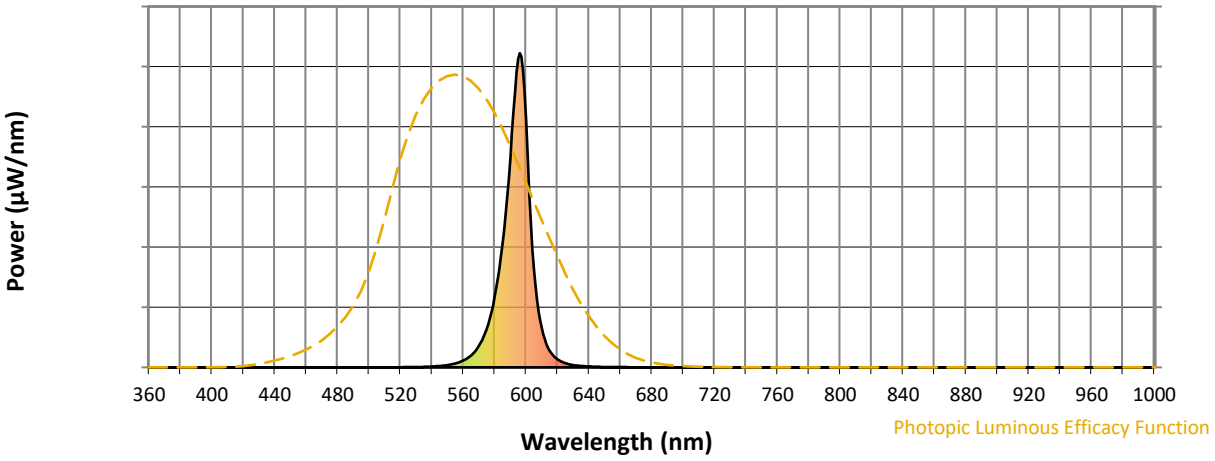


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

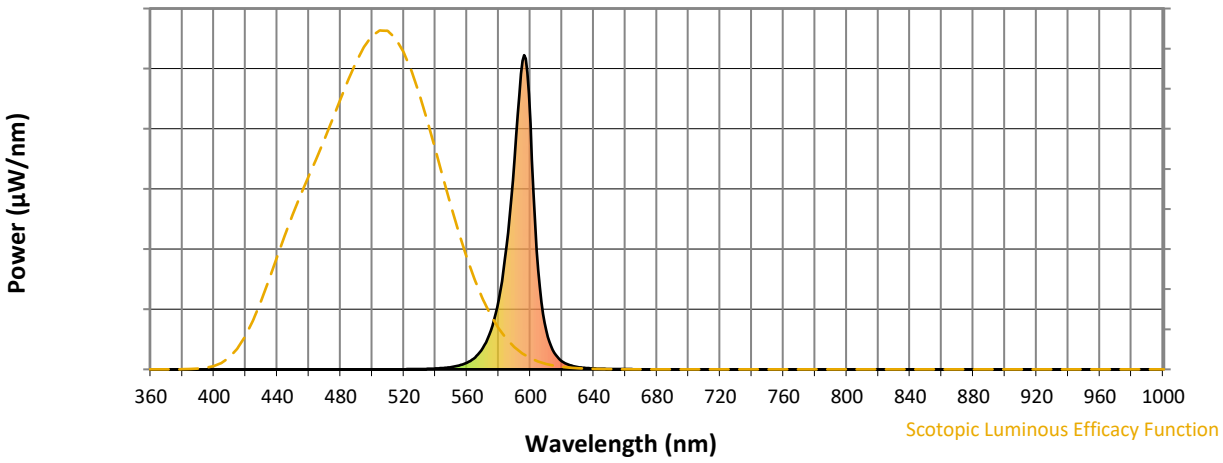


Photopic Lumens: NR

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	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP3-2509-541-1

Scotopic Flux vs. Wavelength

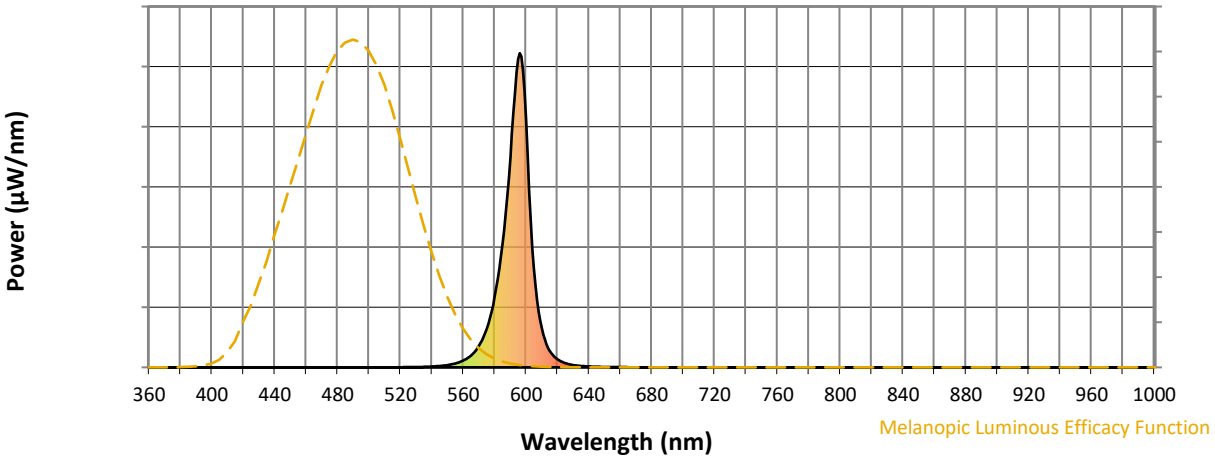


Scotopic Lumens: NR **S/P: 0.23**

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	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP3-2509-541-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 0.13**

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	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

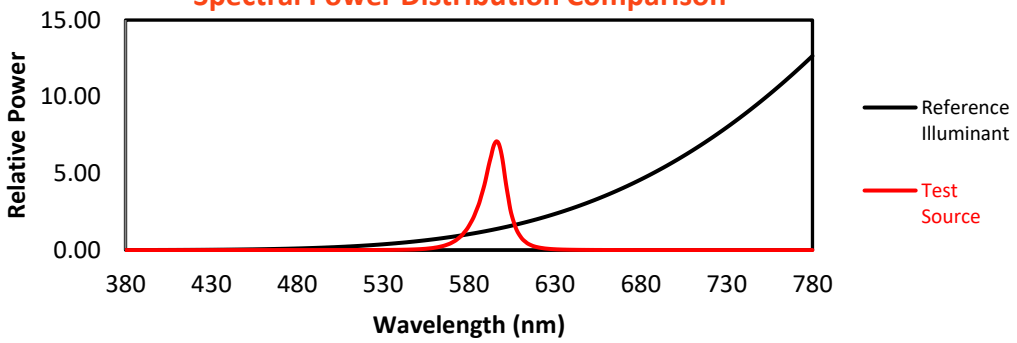
REPORT NUMBER: SP3-2509-541-1

TM-30-18

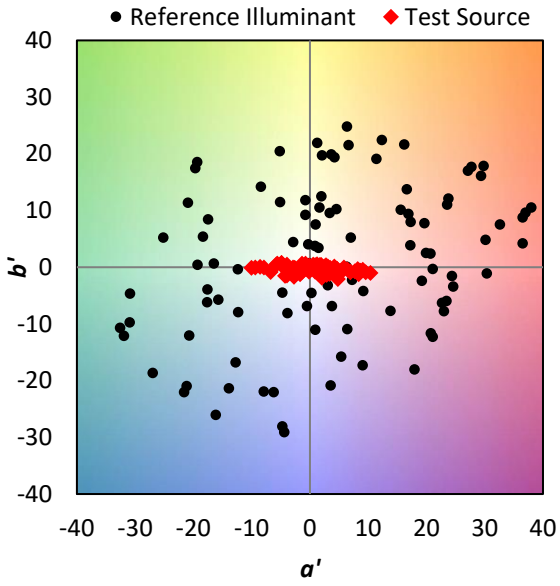
Summary

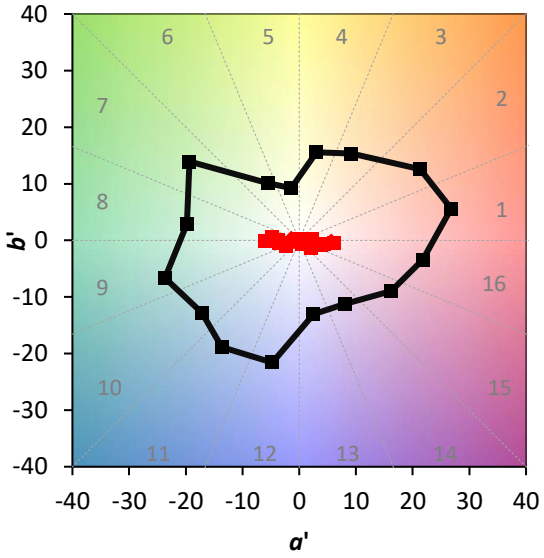
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

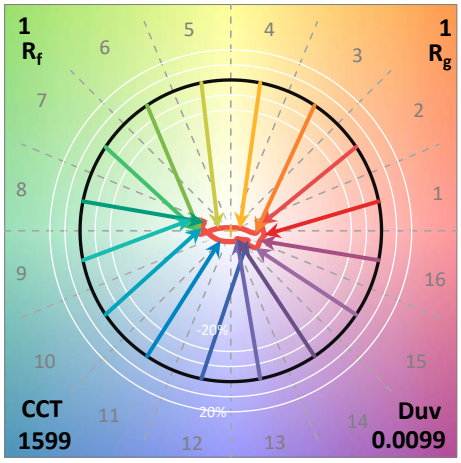
Spectral Power Distribution Comparison

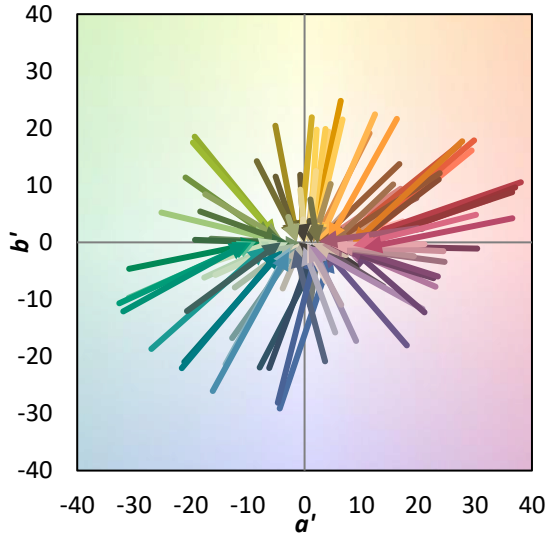


Color Vector Graphics







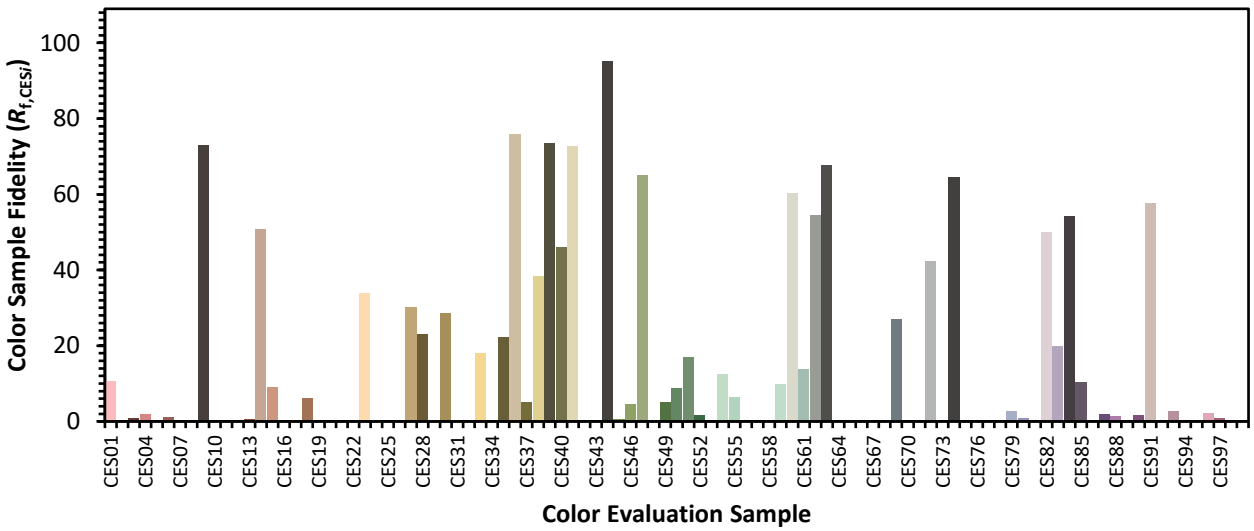


REPORT NUMBER: SP3-2509-541-1

TM-30-18

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

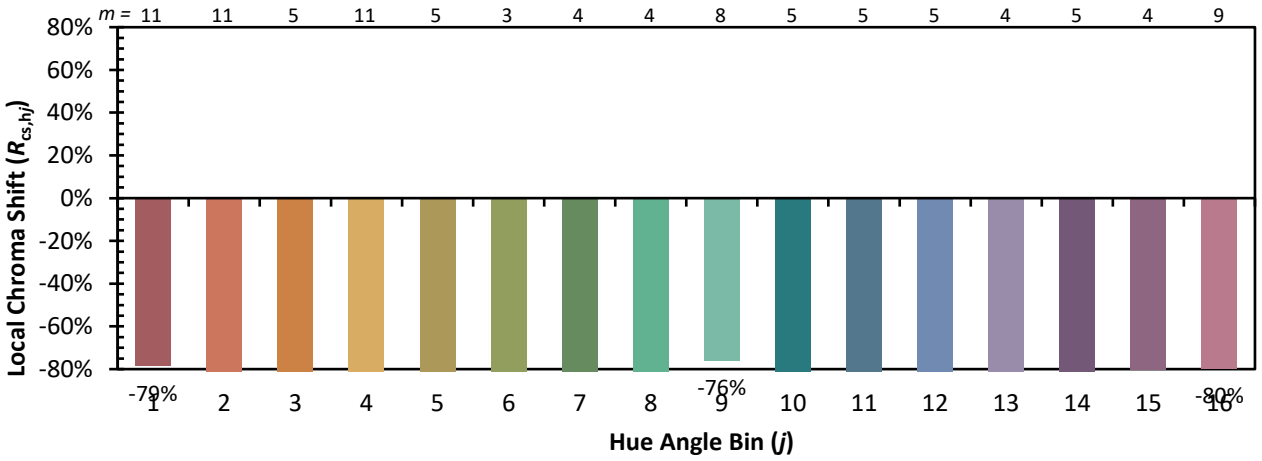
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 38	CES33 = 18	CES58 = 0	CES83 = 20
CES09 = 29	CES34 = 0	CES59 = 10	CES84 = 54
CES10 = 87	CES35 = 22	CES60 = 60	CES85 = 10
CES11 = 70	CES36 = 76	CES61 = 14	CES86 = 0
CES12 = 75	CES37 = 5	CES62 = 55	CES87 = 2
CES13 = 46	CES38 = 38	CES63 = 68	CES88 = 1
CES14 = 76	CES39 = 73	CES64 = 0	CES89 = 0
CES15 = 74	CES40 = 46	CES65 = 0	CES90 = 2
CES16 = 49	CES41 = 73	CES66 = 0	CES91 = 58
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 59	CES43 = 0	CES68 = 0	CES93 = 3
CES19 = 80	CES44 = 95	CES69 = 27	CES94 = 0
CES20 = 71	CES45 = 1	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 5	CES71 = 0	CES96 = 2
CES22 = 86	CES47 = 65	CES72 = 42	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 5	CES74 = 65	CES99 = 0
CES25 = 79	CES50 = 9	CES75 = 0	

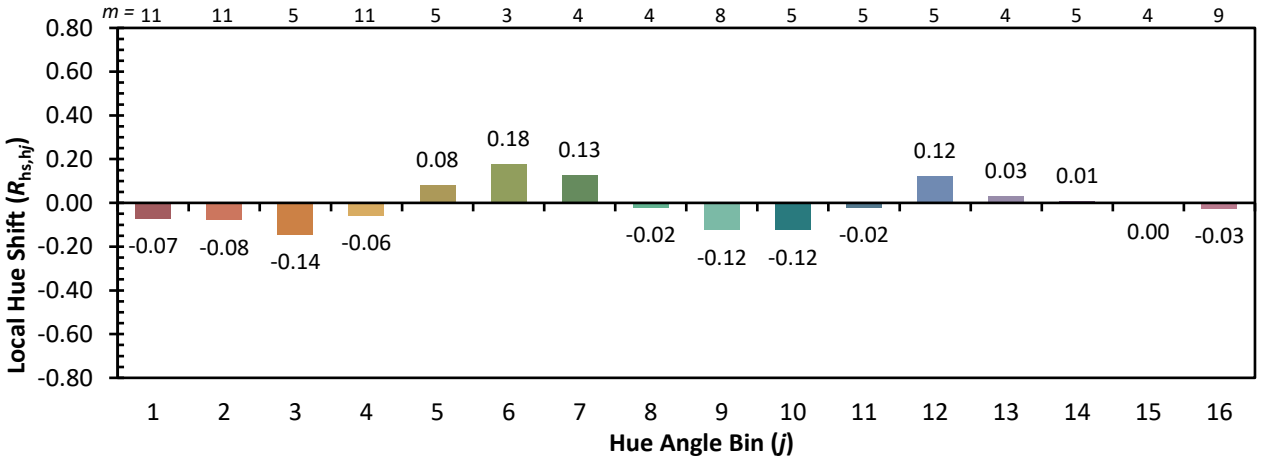


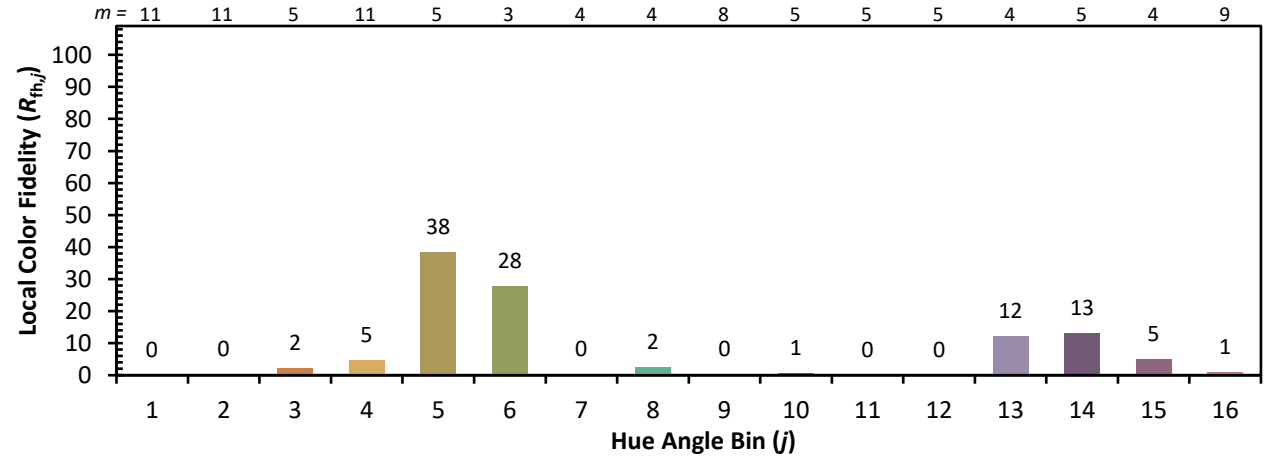
REPORT NUMBER: SP3-2509-541-1

TM-30-18

Color Rendition by Hue-Angle Bin



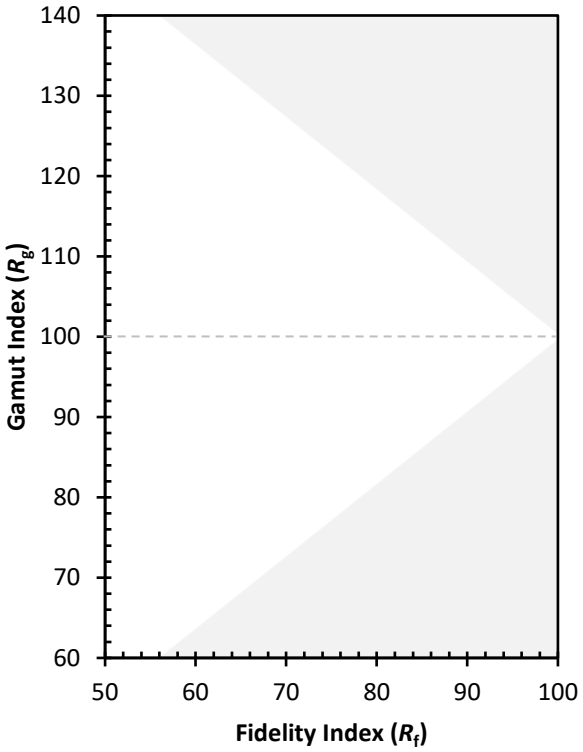


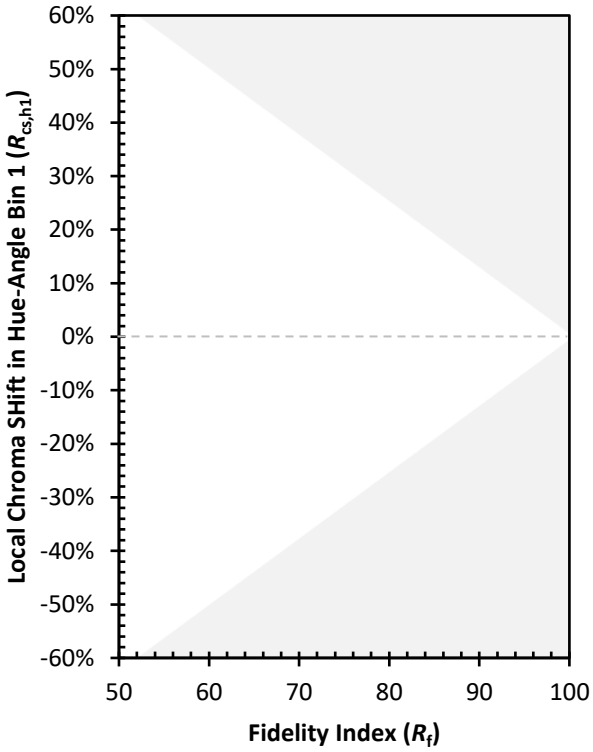


REPORT NUMBER: SP3-2509-541-1

TM-30-18

Measure Comparisons





(END OF REPORT)