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: P1704732

Luminaire Tested: GSS-SB5A-AMB-U-SLL-HSS

Issue Date: 10/28/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1704732
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	10/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-AMB-U-SLL-HSS
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 5SQUARE 161W 1590K FIXTURE w/ LEFT 90 DEG SPILL CONTROL DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(130) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7387.5 lumens
Efficiency:	N/A
Efficacy:	46.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	160.6
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

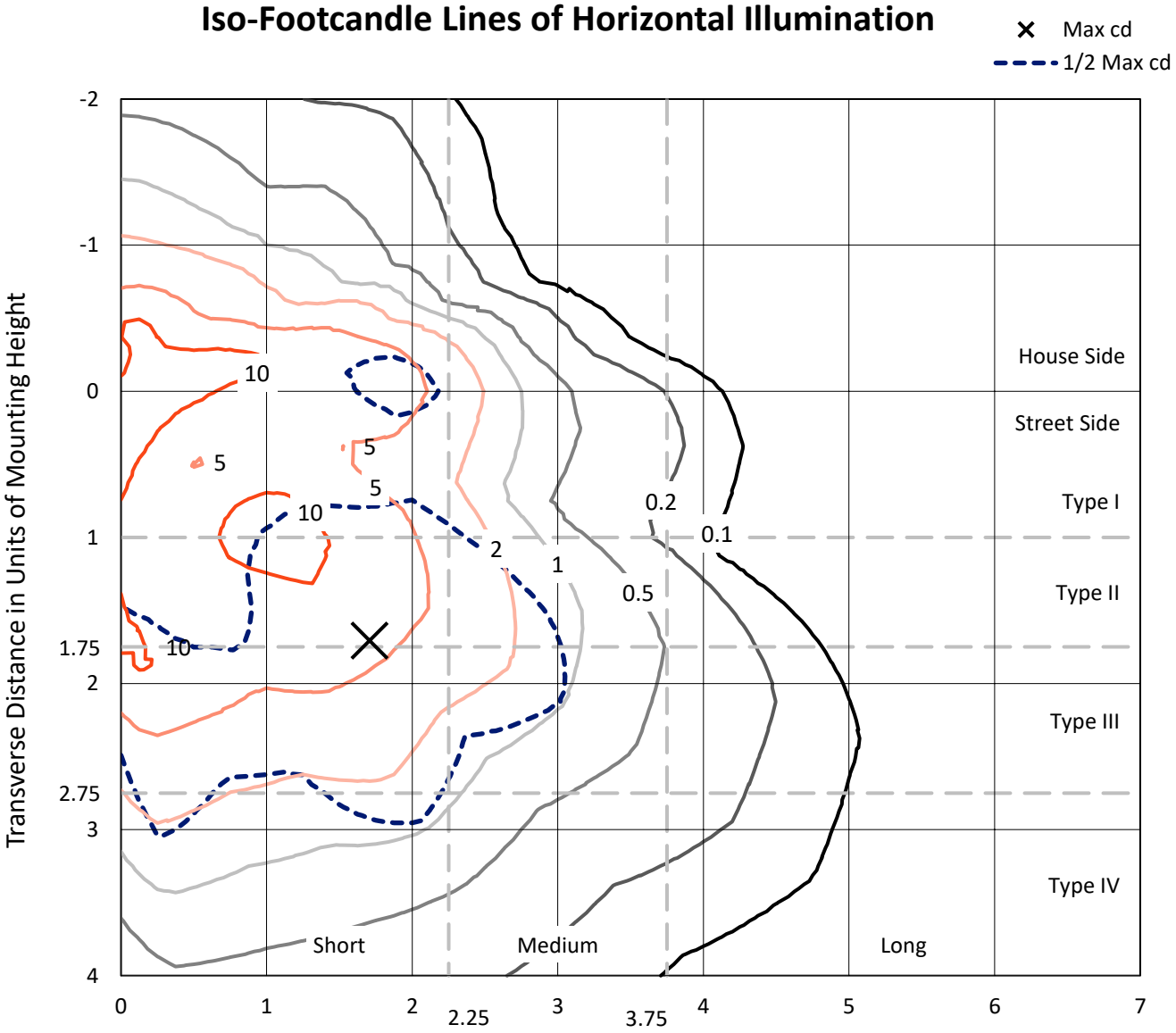


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Iso-Footcandle Lines of Horizontal Illumination



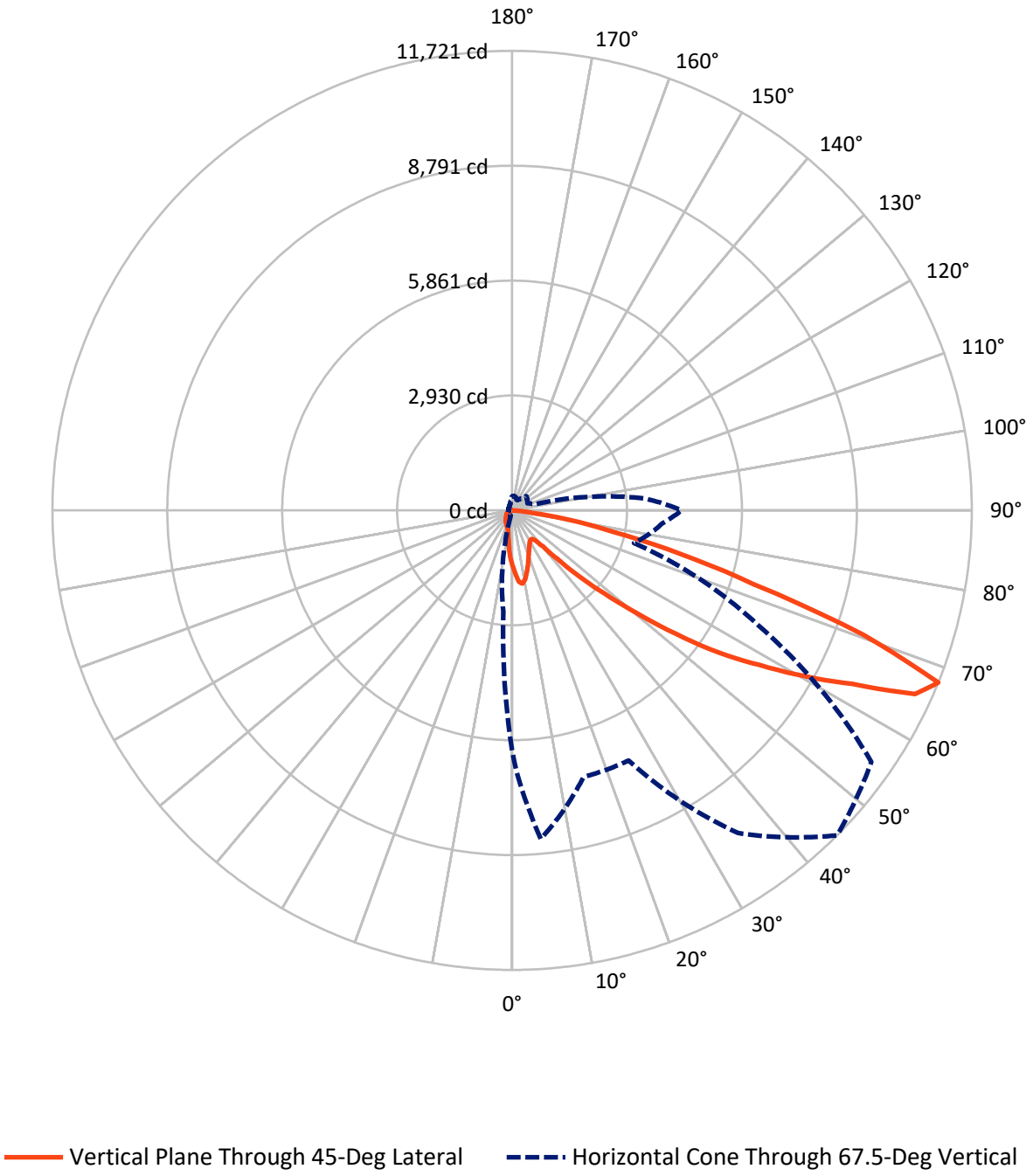
Based on 10 foot mounting height. Maximum calculated value = 17.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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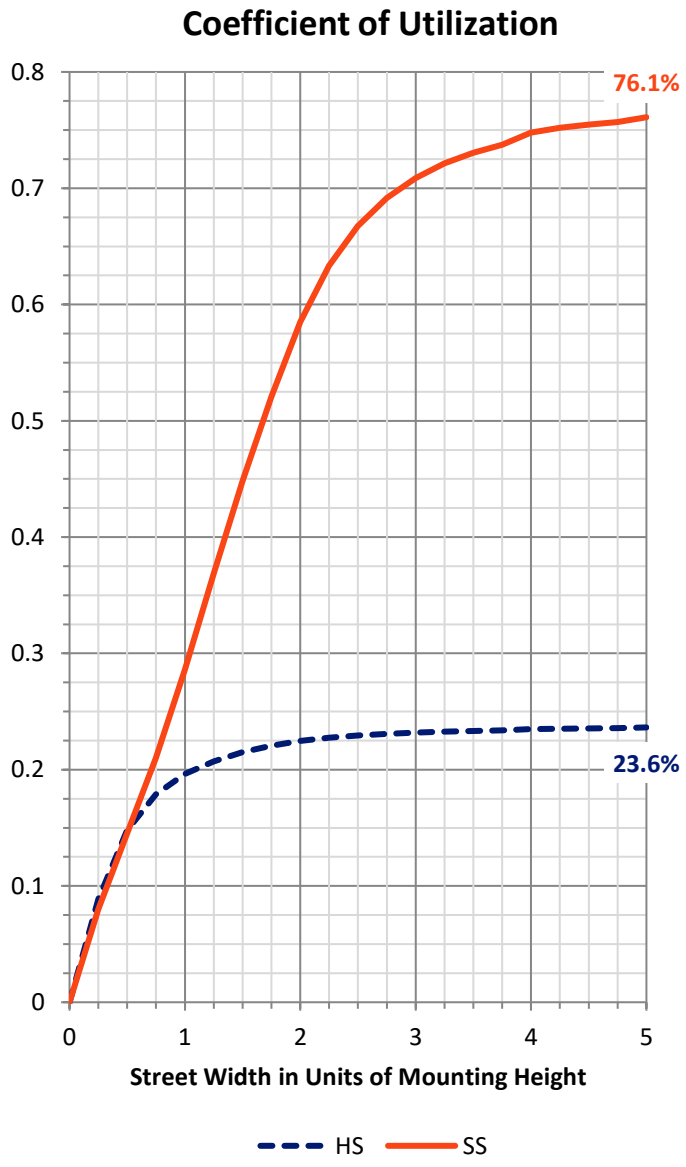
REPORT NUMBER: P1704732
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1762.8	0.0	1762.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5624.8	0.0	5624.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	7387.5	0.0	7387.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.4	1.7
10°-20°	321.2	4.3
20°-30°	455.2	6.2
30°-40°	556.5	7.5
40°-50°	837.6	11.3
50°-60°	1584.0	21.4
60°-70°	2295.1	31.1
70°-80°	1112.8	15.1
80°-90°	97.8	1.3
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°	7387.5	100.0
0°-180°	7387.5	100.0



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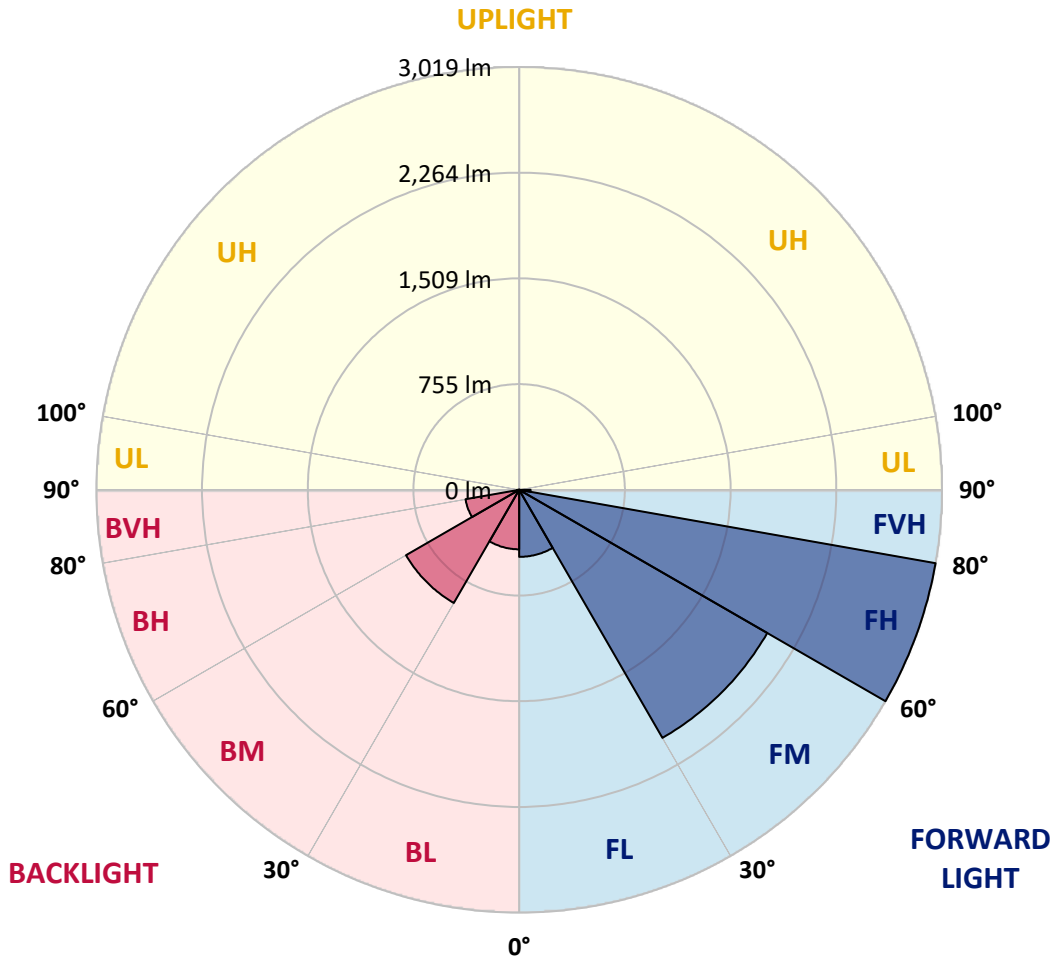
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	478.8	6.5			
FM	(30°-60°)	2045.2	27.7			
FH	(60°-80°)	3019.0	40.9			G2/5000
FVH	(80°-90°)	81.7	1.1			G1/100
BL	(0°-30°)	424.9	5.8	B1/500		
BM	(30°-60°)	932.9	12.6	B1/1000		
BH	(60°-80°)	388.9	5.3	B1/500		G1/500
BVH	(80°-90°)	16.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	*1407.6*	1407.6	1407.6	1407.6	1407.6
2.5°	1534.3	1534.3	1557.8	1567.2	1586.0	1614.1	*1614.1*	1595.3	1614.1	1595.3	1595.3
5°	1675.1	1665.7	1707.9	1759.6	1773.6	1801.8	*1829.9*	1834.6	1820.6	1801.8	1778.3
7.5°	1736.1	1731.4	1778.3	1834.6	1862.8	1881.6	*1886.2*	1890.9	1895.6	1881.6	1872.2
10°	1773.6	1778.3	1811.2	1848.7	1834.6	1811.2	*1801.8*	1811.2	1829.9	1848.7	1881.6
12.5°	1787.7	1792.4	1820.6	1797.1	1722.0	1679.8	*1642.3*	1661.0	1689.2	1745.5	1839.3
15°	1792.4	1778.3	1792.4	1698.6	1590.6	1506.2	*1492.1*	1492.1	1539.0	1609.4	1759.6
17.5°	1783.0	1764.3	1750.2	1595.3	1459.3	1370.1	*1337.3*	1360.7	1403.0	1510.9	1689.2
20°	1768.9	1750.2	1712.6	1506.2	1342.0	1266.9	*1210.6*	1224.7	1276.3	1403.0	1614.1
22.5°	1759.6	1731.4	1661.0	1412.3	1257.5	1159.0	*1102.7*	1112.0	1187.1	1337.3	1553.1
25°	1750.2	1726.7	1618.8	1351.3	1187.1	1074.5	*1022.9*	1027.6	1112.0	1271.6	1525.0
27.5°	1754.9	1717.3	1595.3	1309.1	1130.8	1013.5	*947.8*	961.9	1051.0	1234.0	1492.1
30°	1787.7	1726.7	1586.0	1285.7	1107.3	985.4	*905.6*	919.7	1008.8	1220.0	1478.0
32.5°	1811.2	1759.6	1590.6	1295.0	1098.0	961.9	*882.1*	896.2	999.4	1205.9	1473.3
35°	1881.6	1815.9	1614.1	1313.8	1130.8	985.4	*896.2*	905.6	1018.2	1205.9	1487.4
37.5°	1961.3	1900.3	1684.5	1360.7	1187.1	1069.8	*980.7*	961.9	1060.4	1229.3	1520.3
40°	2073.9	1998.9	1783.0	1454.6	1299.7	1262.2	*1201.2*	1168.3	1168.3	1299.7	1586.0
42.5°	2252.2	2163.1	1919.1	1618.8	1567.2	1679.8	*1698.6*	1543.7	1426.4	1412.3	1665.7
45°	2519.7	2383.6	2120.9	1853.4	1980.1	2303.9	*2397.7*	2116.2	1783.0	1586.0	1801.8
47.5°	2843.4	2735.5	2378.9	2163.1	2482.2	3049.9	*3167.2*	2895.1	2332.0	1890.9	1966.0
50°	3467.5	3237.6	2749.6	2533.8	3007.7	3871.0	*4096.3*	3753.7	2899.8	2233.5	2163.1
52.5°	4279.2	4096.3	3411.2	2895.1	3500.4	4729.7	*5236.5*	4762.5	3509.7	2571.3	2416.5
55°	5325.6	5091.0	4391.9	3312.7	3932.0	5433.5	*6423.6*	5926.2	4082.2	2871.6	2979.5
57.5°	6817.7	6733.2	5973.1	3847.6	4208.9	5996.6	*7441.8*	7005.4	4631.2	3120.3	3979.0
60°	8633.6	8891.6	8197.2	4635.9	4490.4	6554.9	*8605.4*	8122.1	5109.8	3350.2	5067.5
62.5°	8614.8	9426.5	10956.2	7136.8	5367.8	7535.6	*9750.3*	9374.9	5837.0	3842.9	5827.7
65°	7286.9	7990.7	9633.0	9257.6	7446.5	9689.3	*11294.0*	10946.8	7132.1	4279.2	5086.3
67.5°	*6109.2*	*6691.0*	*8413.0*	*7038.2*	*7038.2*	*10045.9*	*11721.0*	*11181.4*	*6911.6*	*3218.8*	*3842.9*
70°	4823.5	5414.8	6949.1	5743.2	6113.9	9126.3	*9496.9*	10074.1	6282.8	2224.1	2594.8
72.5°	3533.2	4049.3	5536.7	4682.8	4969.0	8079.9	*6451.7*	8553.8	5311.5	1374.8	1815.9
75°	2383.6	2688.6	3960.2	3758.4	4021.2	5152.0	*4434.1*	5635.3	4424.7	1116.7	1506.2
77.5°	1201.2	1445.2	2200.6	2435.2	2796.5	2721.5	*2632.3*	3847.6	3279.8	600.6	633.4
80°	234.6	290.9	506.8	905.6	1135.5	1482.7	*1539.0*	2149.0	1768.9	333.1	375.4
82.5°	93.8	103.2	126.7	309.7	319.1	628.7	*544.3*	957.2	727.3	164.2	122.0
85°	32.8	37.5	46.9	61.0	168.9	267.5	*178.3*	150.1	173.6	46.9	28.2
87.5°	0.0	0.0	4.7	4.7	4.7	9.4	*14.1*	14.1	14.1	14.1	14.1
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°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1567.2	1553.1	1529.6	1492.1	1459.3	1412.3	1388.9	1342.0	1318.5	1285.7	1271.6
5°	1759.6	1722.0	1651.6	1576.6	1487.4	1407.6	1323.2	1248.1	1177.7	1112.0	1074.5
7.5°	1848.7	1820.6	1745.5	1632.9	1520.3	1407.6	1285.7	1173.0	1060.4	966.6	919.7
10°	1881.6	1858.1	1778.3	1661.0	1543.7	1417.0	1285.7	1144.9	1018.2	886.8	825.8
12.5°	1853.4	1844.0	1792.4	1675.1	1553.1	1454.6	1342.0	1210.6	1051.0	882.1	793.0
15°	1811.2	1839.3	1820.6	1689.2	1571.9	1478.0	1407.6	1332.6	1191.8	976.0	858.7
17.5°	1773.6	1839.3	1839.3	1712.6	1590.6	1473.3	1435.8	1445.2	1440.5	1173.0	994.7
20°	1736.1	1829.9	1876.9	1731.4	1576.6	1435.8	1426.4	1539.0	1618.8	1412.3	1173.0
22.5°	1712.6	1839.3	1905.0	1740.8	1520.3	1327.9	1360.7	1525.0	1661.0	1557.8	1309.1
25°	1675.1	1858.1	1933.2	1740.8	1440.5	1201.2	1257.5	1421.7	1543.7	1539.0	1356.0
27.5°	1665.7	1872.2	1998.9	1736.1	1318.5	1088.6	1177.7	1281.0	1384.2	1384.2	1252.8
30°	1675.1	1909.7	2064.6	1740.8	1210.6	1041.7	1116.7	1191.8	1243.4	1205.9	1098.0
32.5°	1689.2	1970.7	2219.4	1768.9	1121.4	1013.5	1074.5	1102.7	1121.4	1069.8	980.7
35°	1722.0	2059.9	2317.9	1844.0	1065.1	990.0	1027.6	1022.9	1018.2	980.7	900.9
37.5°	1773.6	2181.9	2449.3	1858.1	1074.5	957.2	961.9	938.4	910.3	886.8	835.2
40°	1858.1	2285.1	2571.3	1811.2	1112.0	933.7	882.1	839.9	807.1	802.4	769.5
42.5°	1970.7	2463.4	2698.0	1646.9	1098.0	915.0	802.4	750.7	713.2	713.2	703.8
45°	2125.5	2702.7	2796.5	1468.6	1022.9	891.5	732.0	666.3	638.1	633.4	647.5
47.5°	2275.7	2927.9	2946.7	1262.2	900.9	830.5	661.6	600.6	572.4	591.2	605.3
50°	2482.2	3247.0	3021.8	1074.5	797.7	727.3	591.2	530.2	530.2	558.4	567.8
52.5°	2834.1	3857.0	3143.7	924.4	750.7	610.0	506.8	488.0	506.8	544.3	549.0
55°	3758.4	4908.0	3331.4	849.3	708.5	511.4	450.4	464.5	497.4	539.6	544.3
57.5°	5344.4	5991.9	3279.8	802.4	671.0	492.7	408.2	450.4	488.0	539.6	544.3
60°	6789.6	6831.8	2801.2	760.1	661.6	516.1	380.1	427.0	473.9	525.5	530.2
62.5°	7376.1	6902.2	1919.1	675.7	628.7	544.3	366.0	384.8	431.7	473.9	478.6
65°	6043.5	5245.8	1093.3	558.4	558.4	549.0	361.3	333.1	389.4	422.3	417.6
67.5°	*4321.5*	*3420.6*	*581.8*	*431.7*	*469.2*	*511.4*	*351.9*	*290.9*	*347.2*	*370.7*	*351.9*
70°	2519.7	1571.9	351.9	295.6	375.4	422.3	319.1	262.8	305.0	328.5	309.7
72.5°	1557.8	760.1	215.8	211.1	295.6	305.0	262.8	234.6	267.5	290.9	272.1
75°	1154.3	394.1	131.4	164.2	178.3	239.3	206.5	201.8	225.2	253.4	239.3
77.5°	459.8	117.3	70.4	122.0	117.3	187.7	140.8	159.5	173.6	201.8	183.0
80°	258.1	61.0	46.9	75.1	75.1	150.1	89.2	89.2	122.0	140.8	126.7
82.5°	79.8	32.8	32.8	42.2	42.2	79.8	61.0	61.0	84.5	93.8	75.1
85°	23.5	23.5	23.5	28.2	23.5	37.5	42.2	32.8	42.2	42.2	37.5
87.5°	14.1	14.1	14.1	14.1	14.1	14.1	18.8	18.8	23.5	18.8	18.8
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°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1262.2	1238.7	1224.7	1210.6	1205.9	1201.2	1191.8	1215.3	1229.3	1243.4	1243.4
5°	1051.0	1004.1	976.0	971.3	952.5	943.1	961.9	980.7	1018.2	1037.0	1060.4
7.5°	877.4	821.1	774.2	741.4	736.7	741.4	741.4	760.1	802.4	821.1	844.6
10°	764.8	675.7	619.4	600.6	586.5	581.8	581.8	586.5	610.0	619.4	647.5
12.5°	703.8	586.5	539.6	516.1	502.1	488.0	469.2	459.8	469.2	473.9	492.7
15°	746.1	549.0	492.7	478.6	459.8	436.4	417.6	408.2	408.2	408.2	408.2
17.5°	825.8	549.0	478.6	455.1	427.0	408.2	394.1	384.8	380.1	380.1	375.4
20°	924.4	567.8	469.2	431.7	398.8	384.8	370.7	361.3	361.3	356.6	356.6
22.5°	1027.6	572.4	464.5	403.5	380.1	361.3	347.2	342.5	337.8	337.8	337.8
25°	1060.4	572.4	459.8	375.4	351.9	342.5	328.5	323.8	323.8	323.8	323.8
27.5°	999.4	563.1	450.4	351.9	333.1	319.1	314.4	305.0	305.0	305.0	309.7
30°	905.6	549.0	427.0	342.5	314.4	300.3	295.6	290.9	286.2	290.9	290.9
32.5°	830.5	544.3	398.8	328.5	295.6	286.2	276.8	272.1	272.1	276.8	276.8
35°	788.3	539.6	375.4	314.4	276.8	267.5	262.8	258.1	253.4	258.1	262.8
37.5°	760.1	539.6	356.6	300.3	258.1	248.7	248.7	244.0	244.0	244.0	248.7
40°	722.6	534.9	342.5	286.2	244.0	234.6	229.9	225.2	225.2	229.9	234.6
42.5°	685.1	525.5	328.5	267.5	229.9	211.1	211.1	206.5	211.1	215.8	220.5
45°	638.1	502.1	309.7	253.4	211.1	197.1	192.4	192.4	197.1	201.8	206.5
47.5°	600.6	478.6	305.0	234.6	197.1	183.0	178.3	173.6	183.0	187.7	192.4
50°	563.1	469.2	314.4	225.2	187.7	168.9	164.2	164.2	173.6	178.3	183.0
52.5°	553.7	469.2	323.8	215.8	173.6	159.5	154.8	159.5	164.2	173.6	178.3
55°	549.0	450.4	328.5	197.1	168.9	150.1	150.1	154.8	159.5	164.2	168.9
57.5°	544.3	412.9	300.3	183.0	159.5	145.5	145.5	150.1	154.8	159.5	159.5
60°	516.1	356.6	258.1	164.2	150.1	140.8	140.8	140.8	140.8	140.8	145.5
62.5°	445.8	300.3	220.5	145.5	136.1	131.4	131.4	126.7	117.3	122.0	126.7
65°	356.6	229.9	187.7	126.7	122.0	122.0	117.3	103.2	93.8	93.8	98.5
67.5°	*272.1*	*168.9*	*150.1*	*112.6*	*107.9*	*103.2*	*103.2*	*93.8*	*79.8*	*84.5*	*89.2*
70°	211.1	140.8	117.3	98.5	89.2	89.2	93.8	84.5	70.4	75.1	79.8
72.5°	168.9	117.3	98.5	75.1	65.7	75.1	79.8	70.4	61.0	61.0	65.7
75°	136.1	89.2	75.1	56.3	51.6	61.0	61.0	56.3	51.6	51.6	56.3
77.5°	98.5	65.7	51.6	42.2	37.5	46.9	46.9	42.2	37.5	42.2	42.2
80°	65.7	42.2	32.8	32.8	28.2	32.8	28.2	28.2	28.2	32.8	32.8
82.5°	46.9	28.2	23.5	23.5	18.8	18.8	18.8	23.5	28.2	28.2	28.2
85°	23.5	18.8	18.8	14.1	14.1	14.1	18.8	18.8	23.5	23.5	23.5
87.5°	18.8	14.1	14.1	9.4	9.4	9.4	14.1	18.8	18.8	18.8	23.5
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: P1704732
CATALOG NUMBER: GSS-SB5A-AMB-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1281.0	1323.2	1346.6	1379.5	1426.4	1449.9	1492.1	1510.9	1515.6	1534.3
5°	1112.0	1191.8	1257.5	1332.6	1417.0	1487.4	1562.5	1628.2	1651.6	1675.1
7.5°	929.0	1004.1	1116.7	1234.0	1365.4	1478.0	1595.3	1679.8	1712.6	1736.1
10°	713.2	821.1	957.2	1102.7	1276.3	1431.1	1600.0	1717.3	1750.2	1773.6
12.5°	544.3	633.4	797.7	961.9	1168.3	1370.1	1586.0	1731.4	1783.0	1787.7
15°	431.7	483.3	624.1	839.9	1079.2	1318.5	1571.9	1740.8	1773.6	1792.4
17.5°	375.4	384.8	459.8	680.4	971.3	1252.8	1553.1	1745.5	1773.6	1783.0
20°	356.6	351.9	361.3	478.6	839.9	1196.5	1529.6	1754.9	1759.6	1768.9
22.5°	337.8	333.1	333.1	356.6	647.5	1112.0	1520.3	1764.3	1759.6	1759.6
25°	323.8	319.1	314.4	319.1	436.4	971.3	1506.2	1783.0	1759.6	1750.2
27.5°	309.7	305.0	300.3	300.3	323.8	807.1	1468.6	1815.9	1768.9	1754.9
30°	295.6	290.9	290.9	286.2	295.6	647.5	1407.6	1858.1	1797.1	1787.7
32.5°	281.5	281.5	276.8	276.8	276.8	488.0	1360.7	1919.1	1848.7	1811.2
35°	267.5	267.5	262.8	262.8	267.5	361.3	1313.8	1980.1	1909.7	1881.6
37.5°	253.4	253.4	248.7	248.7	253.4	342.5	1276.3	2059.9	1994.2	1961.3
40°	244.0	239.3	239.3	234.6	244.0	342.5	1238.7	2172.5	2120.9	2073.9
42.5°	225.2	225.2	220.5	220.5	229.9	319.1	1191.8	2364.8	2289.8	2252.2
45°	211.1	211.1	206.5	206.5	225.2	300.3	1281.0	2665.1	2580.7	2519.7
47.5°	201.8	197.1	192.4	192.4	215.8	281.5	1642.3	3190.7	2984.2	2843.4
50°	187.7	187.7	183.0	178.3	206.5	290.9	2130.2	3800.6	3598.9	3467.5
52.5°	178.3	178.3	173.6	164.2	187.7	305.0	2486.8	4448.2	4330.9	4279.2
55°	173.6	173.6	159.5	154.8	173.6	258.1	2505.6	5175.5	5405.4	5325.6
57.5°	164.2	164.2	150.1	145.5	154.8	225.2	2083.3	5771.4	6817.7	6817.7
60°	150.1	150.1	140.8	131.4	145.5	206.5	1323.2	5921.5	8126.8	8633.6
62.5°	136.1	140.8	131.4	122.0	122.0	178.3	647.5	5227.1	7920.4	8614.8
65°	117.3	122.0	122.0	107.9	112.6	159.5	290.9	3777.2	6503.3	7286.9
67.5°	*103.2*	*107.9*	*103.2*	*93.8*	*107.9*	*117.3*	*150.1*	*2580.7*	*5438.2*	*6109.2*
70°	93.8	98.5	89.2	79.8	98.5	84.5	112.6	1464.0	4190.1	4823.5
72.5°	79.8	84.5	75.1	61.0	89.2	65.7	84.5	558.4	3049.9	3533.2
75°	65.7	70.4	61.0	51.6	61.0	51.6	65.7	201.8	1937.9	2383.6
77.5°	46.9	56.3	51.6	42.2	46.9	37.5	46.9	98.5	1027.6	1201.2
80°	37.5	37.5	37.5	32.8	28.2	28.2	32.8	61.0	164.2	234.6
82.5°	32.8	28.2	28.2	23.5	23.5	18.8	18.8	28.2	84.5	93.8
85°	28.2	23.5	23.5	18.8	14.1	9.4	9.4	9.4	28.2	32.8
87.5°	23.5	18.8	14.1	9.4	4.7	4.7	0.0	4.7	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

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

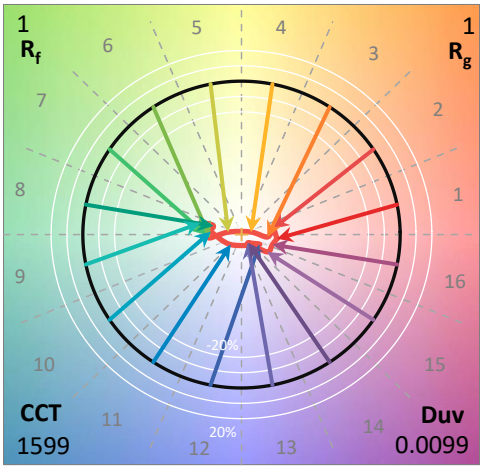
Test Information

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

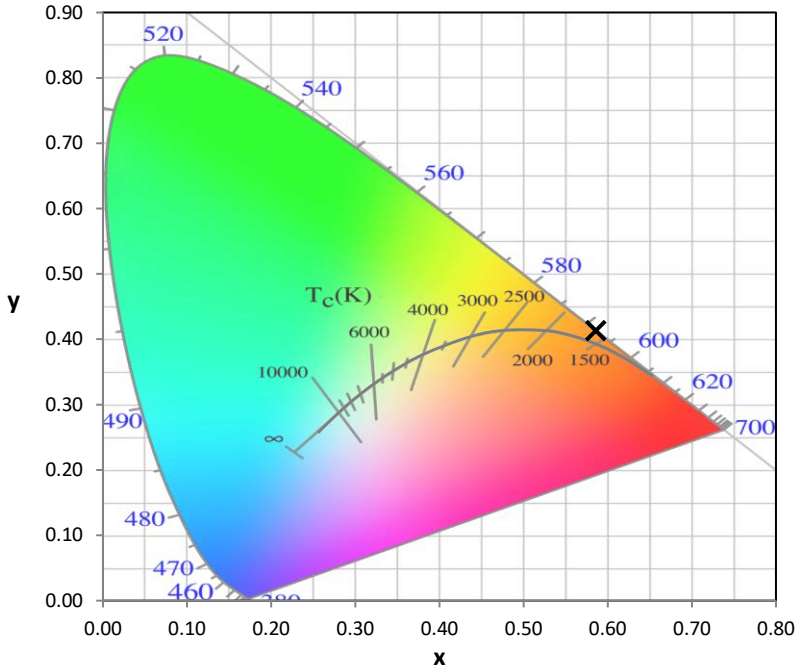
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

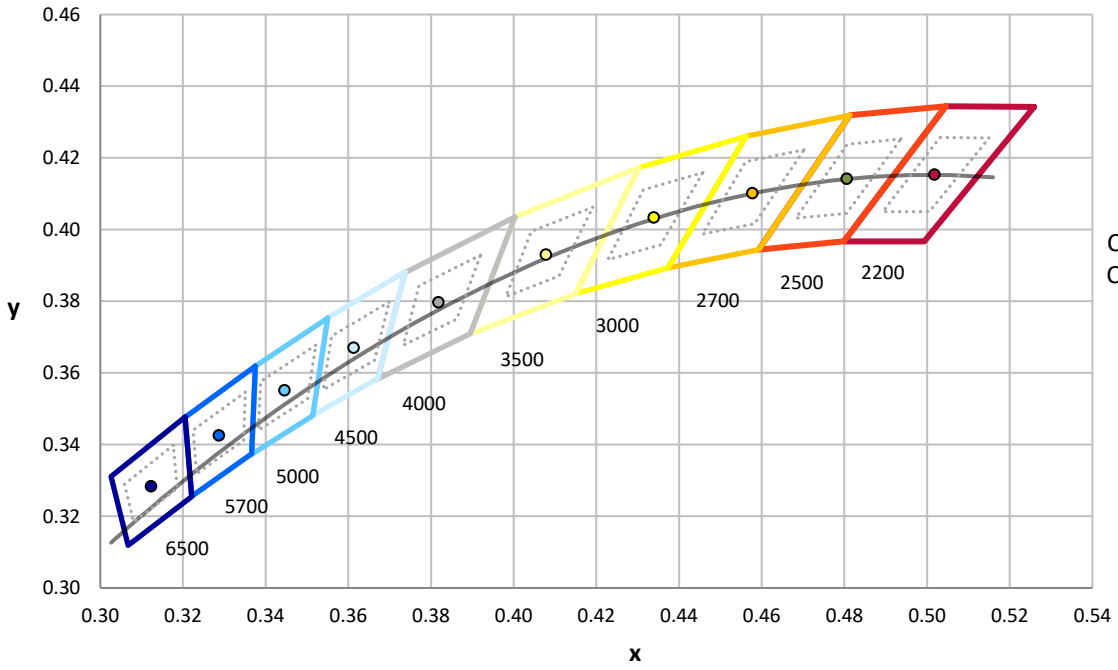
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024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

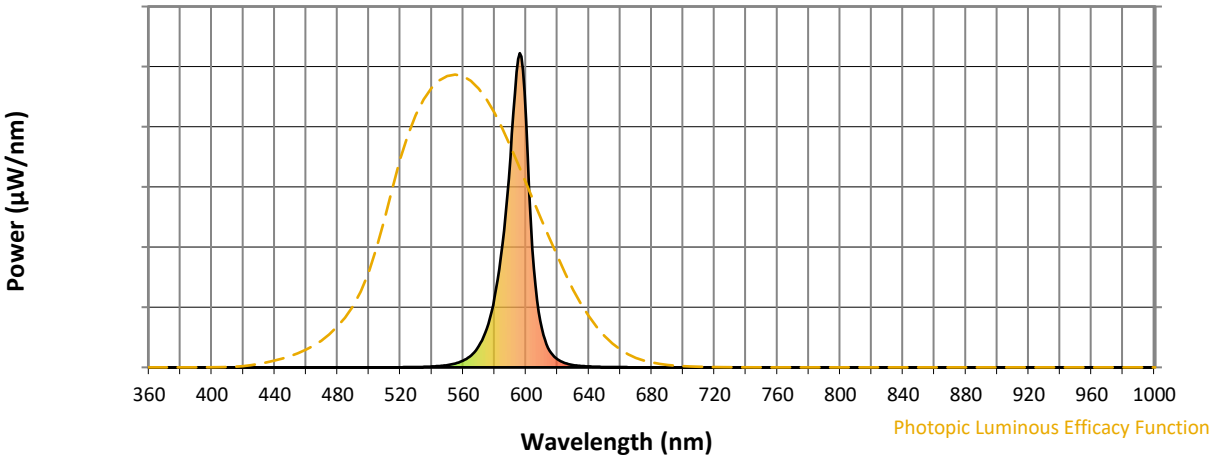


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

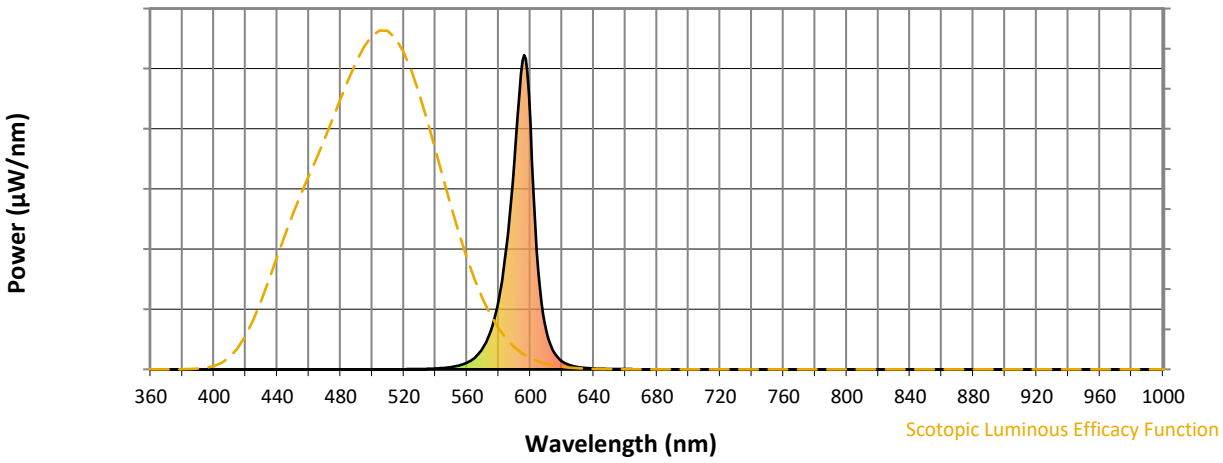


Photopic Lumens: NR

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

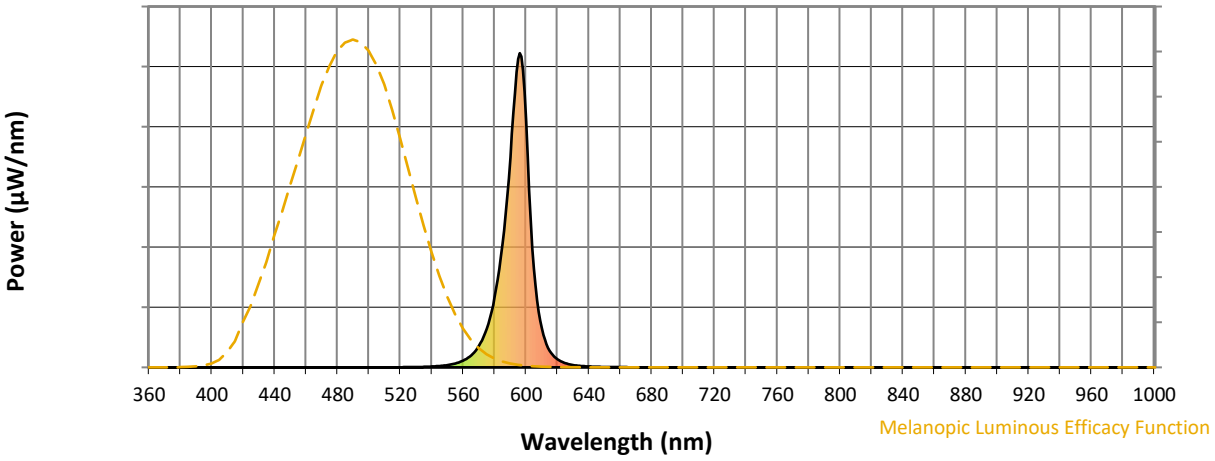


Scotopic Lumens: NR **S/P: 0.23**

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
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485	0	NR	615	53	NR	745	0	NR	875	0	NR			

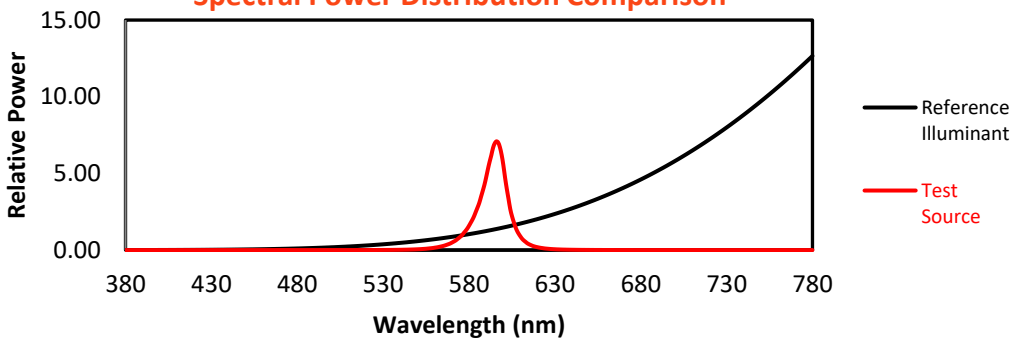
REPORT NUMBER: SP3-2509-541-1

TM-30-18

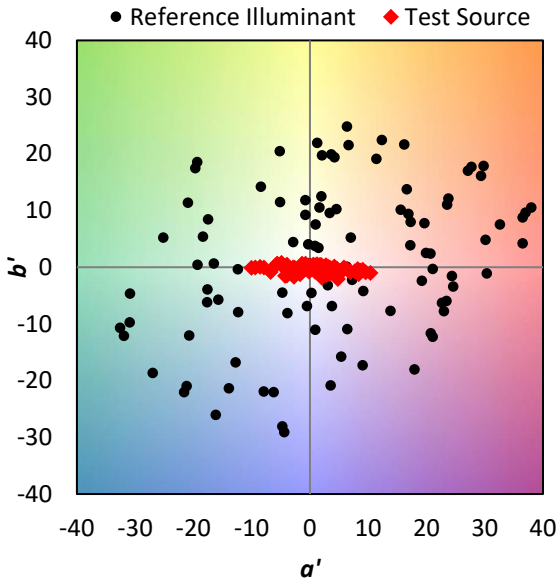
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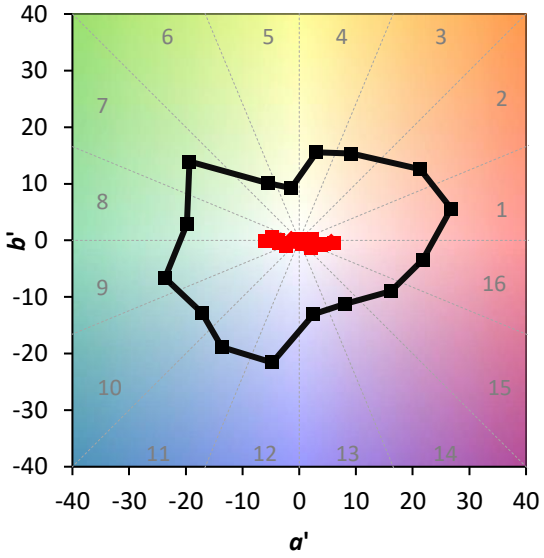
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

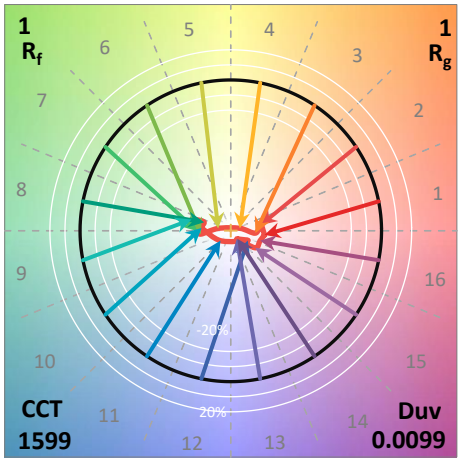
Spectral Power Distribution Comparison

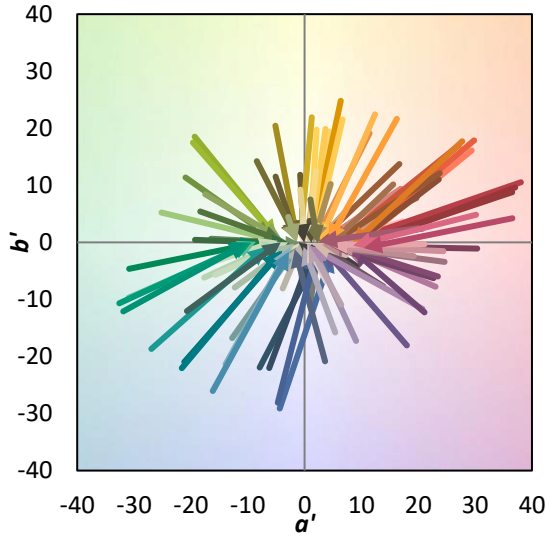


Color Vector Graphics







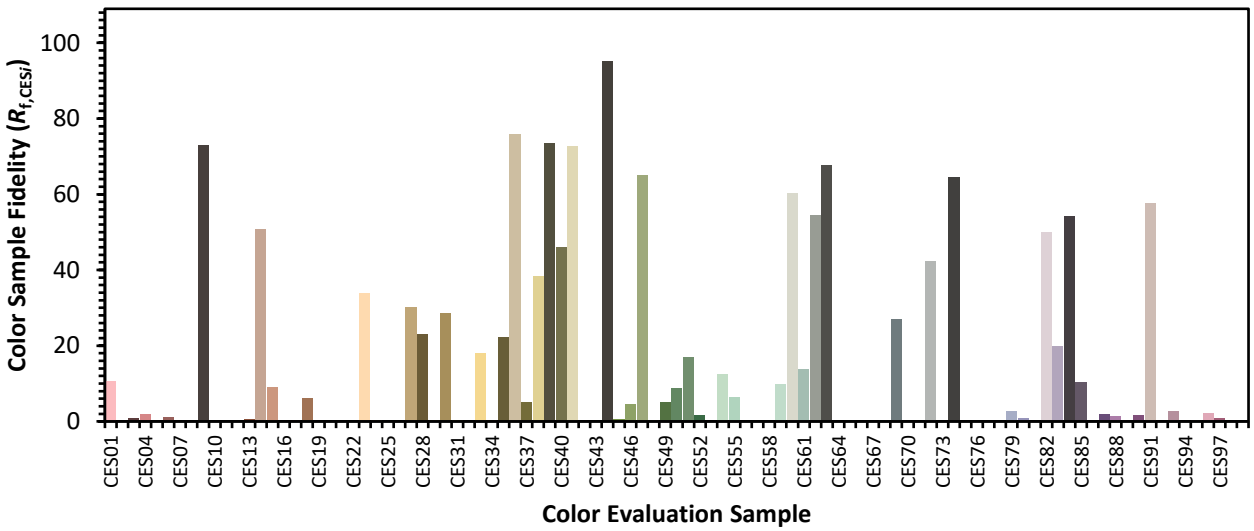


REPORT NUMBER: SP3-2509-541-1

TM-30-18

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

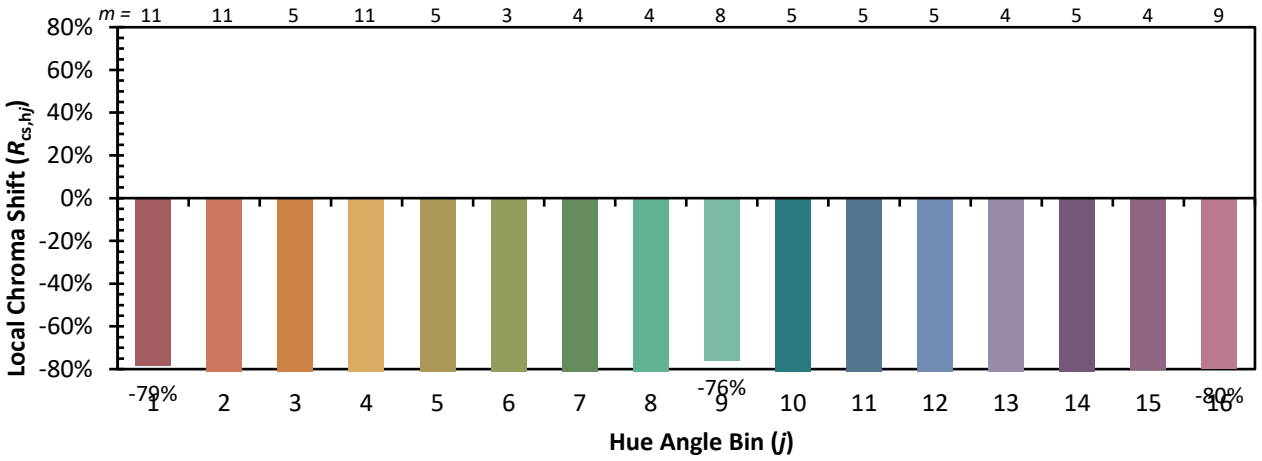
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 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	

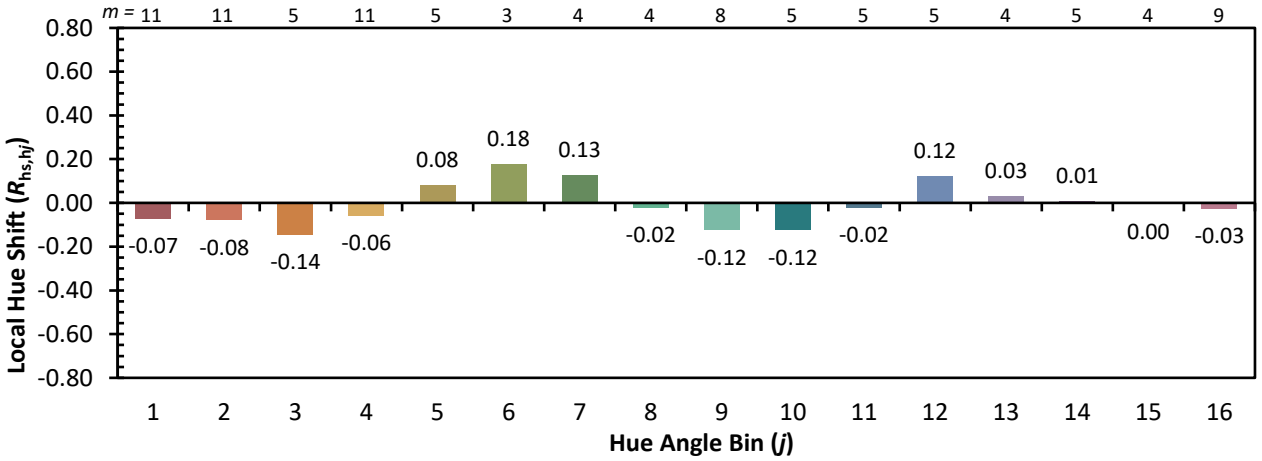


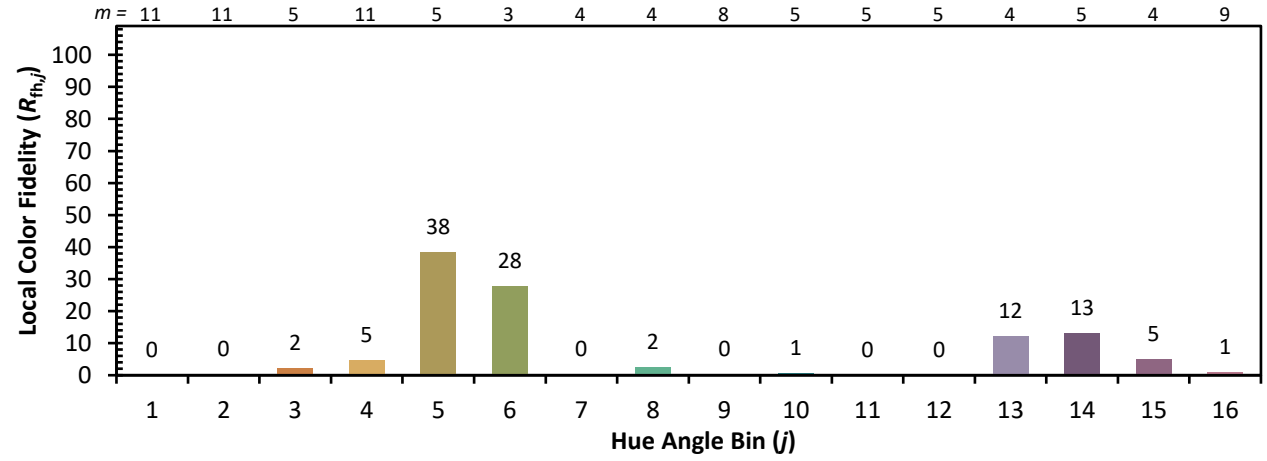
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Color Rendition by Hue-Angle Bin



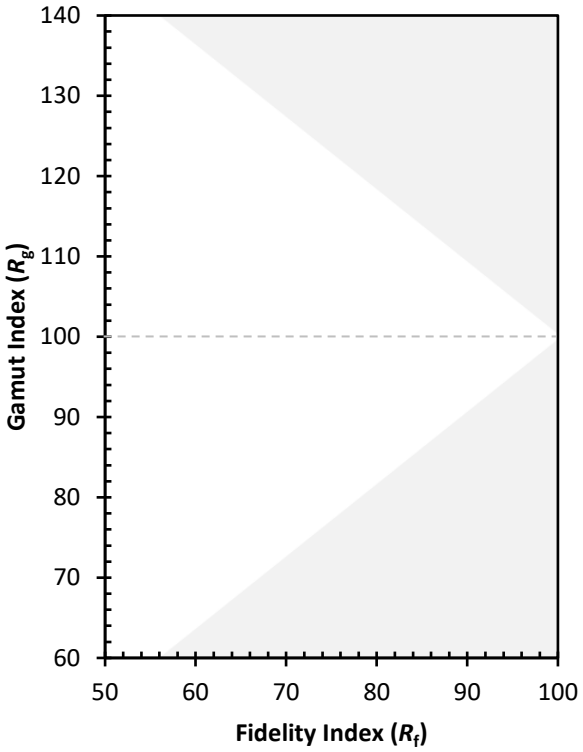


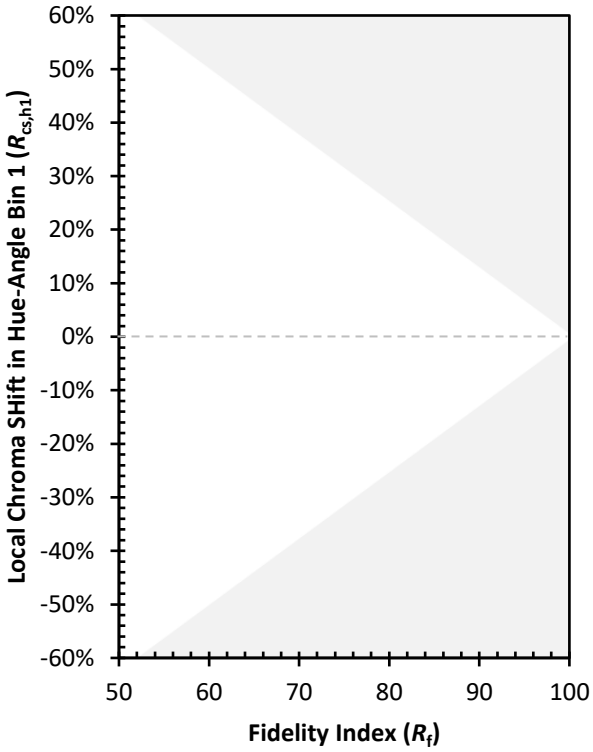


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Measure Comparisons





(END OF REPORT)