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: P1501877

Luminaire Tested: GSS-SB1A-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501877
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2873 lumens
Efficiency:	N/A
Efficacy:	92.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G0

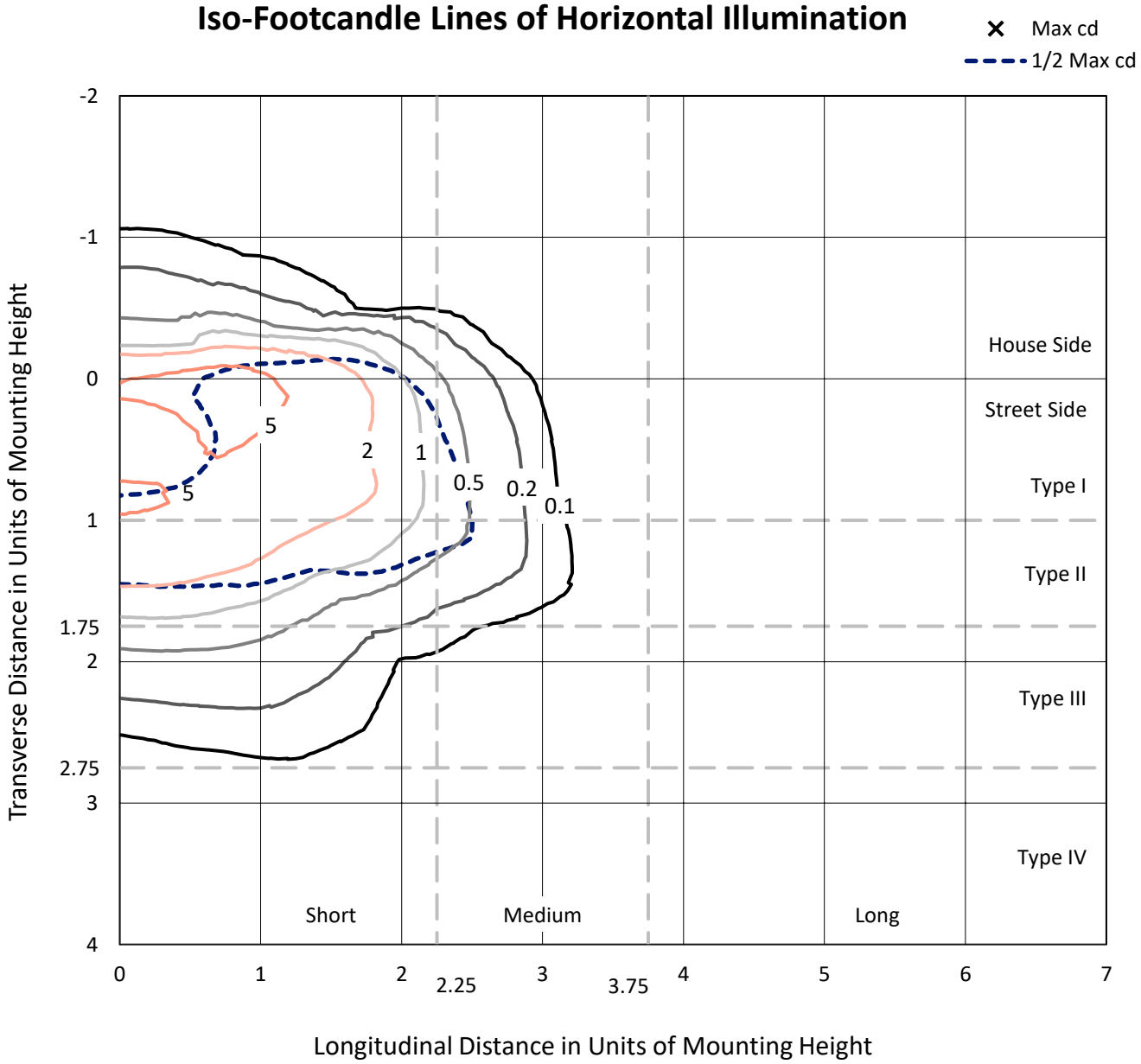
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



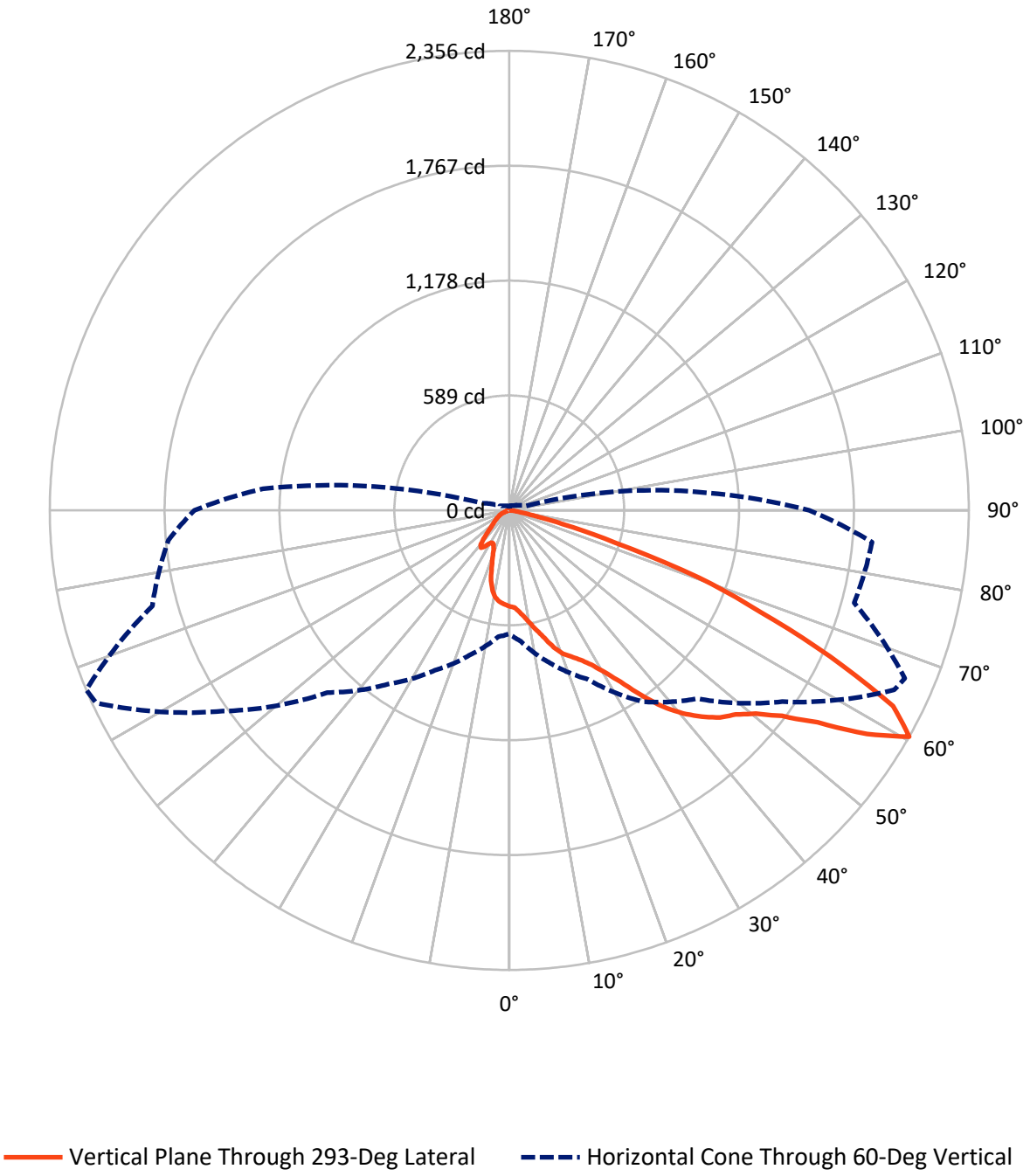
Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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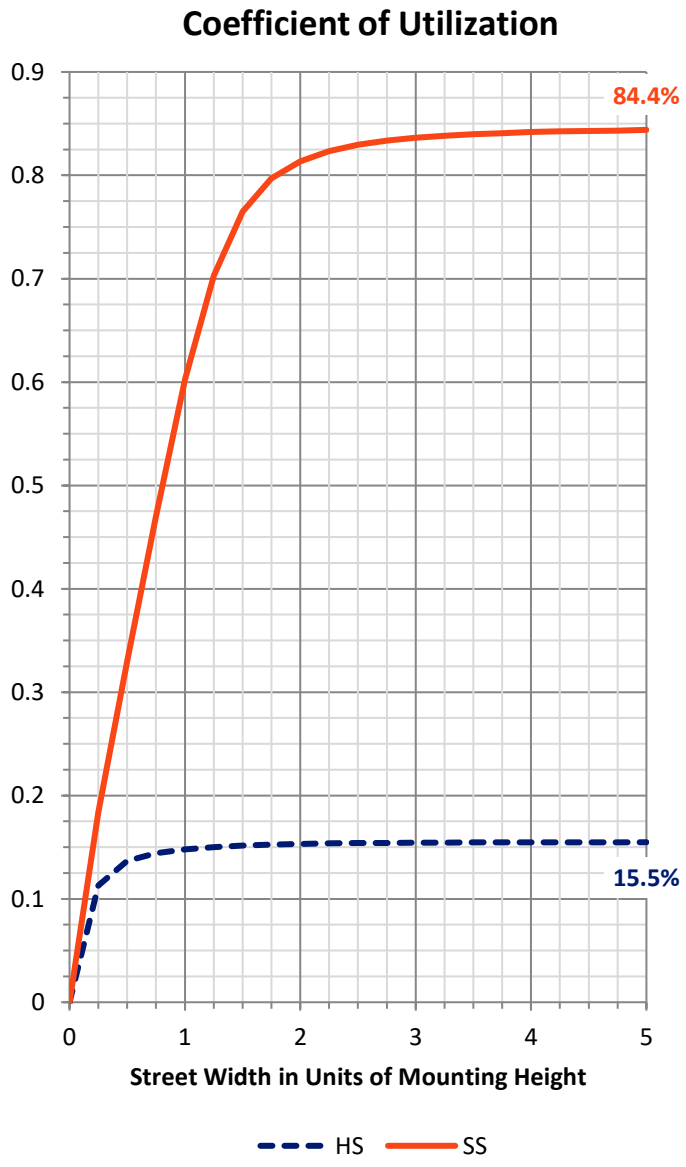
REPORT NUMBER: P1501877
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	448.3	0.0	448.3
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	2424.7	0.0	2424.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	2873.0	0.0	2873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.6
10°-20°	112.3	3.9
20°-30°	209.6	7.3
30°-40°	415.7	14.5
40°-50°	662.8	23.1
50°-60°	791.9	27.6
60°-70°	519.1	18.1
70°-80°	108.8	3.8
80°-90°	8.2	0.3
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°	2873.0	100.0
0°-180°	2873.0	100.0



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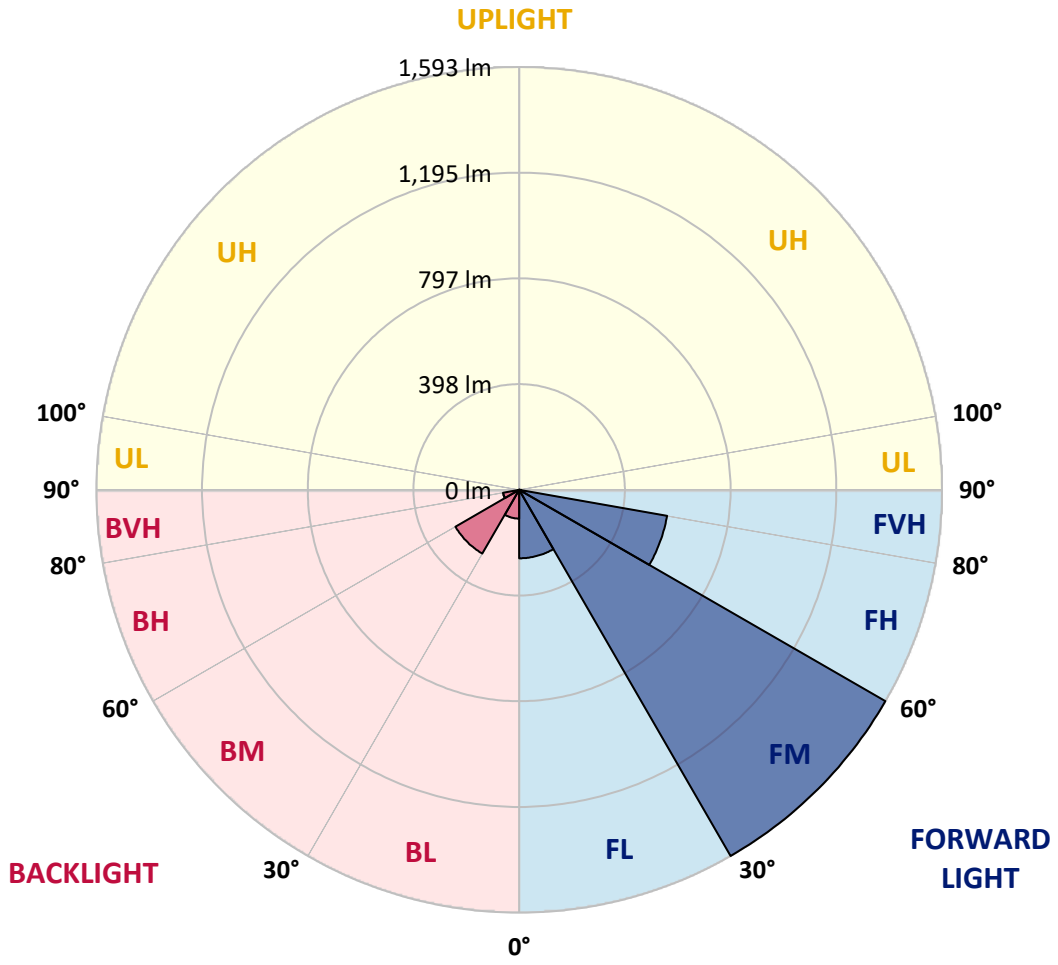
Scaled Data Report

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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°)	258.1	9.0			
FM	(30°-60°)	1593.2	55.5			
FH	(60°-80°)	566.0	19.7			G0/660
FVH	(80°-90°)	7.5	0.3			G0/10
BL	(0°-30°)	108.4	3.8	B0/110		
BM	(30°-60°)	277.2	9.6	B1/1000		
BH	(60°-80°)	61.9	2.2	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4
2.5°	517.3	515.7	513.3	514.1	513.3	510.1	505.3	501.3	504.5	499.6	496.4
5°	532.6	532.6	531.0	531.0	531.8	530.2	527.0	521.4	522.2	518.1	507.7
7.5°	532.6	530.2	534.2	538.3	545.5	549.5	551.1	547.9	549.5	541.5	527.8
10°	501.3	499.6	510.1	525.4	546.3	564.8	576.9	577.7	580.1	572.1	556.0
12.5°	434.5	431.3	452.2	481.1	523.8	566.4	600.2	613.1	618.7	615.5	593.0
15°	372.5	376.5	391.0	422.4	479.5	544.7	613.1	655.7	663.8	667.8	641.2
17.5°	366.1	366.9	371.7	387.0	430.4	509.3	614.7	700.0	711.2	728.9	692.7
20°	383.8	382.2	387.0	391.8	412.7	477.9	599.4	742.6	764.3	802.2	762.7
22.5°	416.8	416.8	419.2	422.4	432.9	475.5	593.0	782.0	819.1	896.3	850.4
25°	472.3	465.9	467.5	463.4	472.3	504.5	607.5	813.4	864.1	1000.9	955.0
27.5°	558.4	560.8	546.3	524.6	529.4	556.8	642.9	848.8	910.8	1109.5	1061.2
30°	677.5	673.4	664.6	621.9	602.6	626.8	708.0	906.8	973.5	1247.1	1202.8
32.5°	770.8	782.0	766.8	737.0	707.2	714.5	799.8	1000.1	1050.0	1373.4	1349.3
35°	883.4	883.4	886.6	844.8	824.7	823.1	914.8	1101.5	1151.4	1487.7	1504.6
37.5°	1035.5	1025.0	1007.3	960.7	945.4	965.5	1022.6	1206.1	1260.0	1580.2	1625.2
40°	1163.4	1170.7	1168.2	1100.7	1070.9	1092.6	1143.3	1295.4	1337.2	1639.7	1722.6
42.5°	1288.9	1293.0	1282.5	1250.3	1206.9	1208.5	1250.3	1363.0	1405.6	1696.9	1814.3
45°	1383.1	1382.3	1375.0	1367.0	1341.2	1314.7	1321.9	1437.8	1474.8	1715.4	1864.2
47.5°	1412.8	1419.3	1425.7	1448.2	1465.9	1424.1	1387.1	1478.0	1511.8	1712.1	1882.7
50°	1385.5	1399.2	1430.5	1464.3	1524.7	1521.5	1441.8	1521.5	1554.4	1729.8	1904.4
52.5°	1324.3	1338.0	1379.9	1441.0	1531.9	1577.0	1543.2	1594.7	1633.3	1774.9	1949.5
55°	1181.9	1187.6	1273.6	1354.1	1495.7	1552.8	1651.8	1718.6	1750.8	1829.6	2009.0
57.5°	962.3	976.0	1060.4	1191.6	1394.3	1489.3	1713.8	1930.2	1929.4	1881.9	2021.9
60°	*633.2*	*673.4*	*811.0*	*955.8*	*1198.0*	*1364.6*	*1709.7*	*2178.0*	*2202.9*	*1830.4*	*1866.6*
62.5°	483.6	500.4	578.5	699.2	886.6	1131.2	1683.2	2252.0	2271.3	1692.0	1634.1
65°	363.7	384.6	459.4	567.2	626.0	766.8	1509.4	1957.5	1984.1	1510.2	1270.4
67.5°	222.9	239.8	339.5	465.9	473.9	476.3	1018.6	1482.8	1492.5	1218.1	855.3
70°	148.8	165.7	234.9	358.0	377.3	274.4	559.2	1122.4	1121.6	833.5	519.8
72.5°	86.1	94.1	148.8	263.9	296.9	174.6	279.2	713.7	682.3	391.8	243.0
75°	49.1	54.7	82.1	169.8	208.4	111.0	110.2	382.2	337.9	201.9	132.8
77.5°	29.8	32.2	45.1	111.0	125.5	74.8	61.1	177.8	171.4	118.3	70.0
80°	14.5	16.9	27.4	65.2	80.5	40.2	37.0	70.0	74.8	65.2	37.0
82.5°	4.8	6.4	15.3	24.9	52.3	16.1	15.3	38.6	41.0	38.6	17.7
85°	2.4	3.2	7.2	8.0	20.1	8.0	5.6	16.9	20.9	12.9	7.2
87.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6
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°	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4
2.5°	494.0	492.4	489.2	483.6	482.7	478.7	472.3	468.3	465.0	467.5	468.3
5°	502.9	498.8	489.2	473.9	457.8	441.7	426.4	408.7	396.7	395.0	391.8
7.5°	519.0	510.9	490.0	460.2	419.2	380.6	335.5	292.1	270.3	267.1	259.9
10°	544.7	531.0	496.4	436.1	357.2	276.8	208.4	161.7	135.2	130.3	132.0
12.5°	575.3	556.0	497.2	395.0	271.9	171.4	118.3	100.6	94.9	92.5	92.5
15°	614.7	586.5	496.4	341.9	183.4	110.2	94.9	87.7	85.3	83.7	83.7
17.5°	664.6	627.6	490.8	262.3	123.9	95.7	86.9	81.3	78.0	77.2	77.2
20°	723.3	673.4	477.9	195.5	103.8	89.3	82.1	74.8	72.4	70.8	70.8
22.5°	798.1	728.9	453.0	152.1	98.2	85.3	77.2	69.2	66.8	65.2	65.2
25°	885.0	799.8	420.0	136.8	97.4	82.1	72.4	64.4	62.0	61.1	60.3
27.5°	988.0	875.4	389.4	137.6	99.0	79.7	67.6	60.3	57.9	55.5	56.3
30°	1109.5	953.4	364.5	147.2	100.6	77.2	64.4	57.9	55.5	52.3	52.3
32.5°	1229.4	1045.1	362.1	164.9	106.2	75.6	61.1	54.7	52.3	49.9	49.9
35°	1352.5	1128.8	375.7	188.3	117.5	73.2	57.1	51.5	49.1	47.5	46.7
37.5°	1470.0	1195.6	388.6	202.8	111.0	62.8	52.3	47.5	45.1	41.8	41.8
40°	1548.0	1231.8	391.0	191.5	91.7	56.3	47.5	42.6	39.4	37.8	37.0
42.5°	1605.1	1255.1	363.7	155.3	79.7	51.5	43.4	38.6	36.2	34.6	34.6
45°	1628.5	1247.1	317.0	118.3	73.2	47.5	39.4	35.4	33.8	32.2	32.2
47.5°	1625.2	1210.1	269.5	94.9	66.8	43.4	37.0	33.8	32.2	30.6	29.8
50°	1619.6	1175.5	221.3	84.5	59.5	41.0	34.6	32.2	29.8	28.2	27.4
52.5°	1656.6	1164.2	183.4	77.2	55.5	39.4	33.8	30.6	28.2	26.6	26.6
55°	1693.6	1169.1	144.0	72.4	51.5	38.6	33.0	29.8	27.4	24.9	24.9
57.5°	1691.2	1148.1	109.4	67.6	48.3	37.8	32.2	29.0	24.9	23.3	23.3
60°	*1537.5*	*1024.2*	*85.3*	*62.0*	*44.3*	*35.4*	*29.8*	*27.4*	*23.3*	*20.9*	*20.9*
62.5°	1300.2	805.4	70.0	54.7	39.4	32.2	27.4	24.9	20.9	16.9	16.9
65°	960.7	580.9	56.3	47.5	36.2	28.2	24.9	21.7	16.9	13.7	12.9
67.5°	650.1	357.2	45.1	39.4	32.2	24.1	20.9	18.5	15.3	11.3	10.5
70°	385.4	189.9	33.0	27.4	24.1	17.7	17.7	16.1	12.9	9.7	8.9
72.5°	183.4	66.0	24.1	20.1	18.5	12.9	13.7	13.7	10.5	7.2	6.4
75°	93.3	32.2	16.1	14.5	12.1	9.7	11.3	10.5	7.2	4.8	4.8
77.5°	53.1	22.5	11.3	9.7	8.0	6.4	7.2	6.4	4.0	2.4	2.4
80°	29.8	16.1	7.2	6.4	4.8	4.0	4.0	3.2	2.4	0.8	0.8
82.5°	11.3	9.7	4.8	3.2	2.4	2.4	1.6	1.6	0.8	0.0	0.0
85°	4.8	2.4	2.4	1.6	1.6	0.8	0.8	0.8	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4
2.5°	461.8	463.4	465.0	471.5	473.1	477.9	481.9	486.8	487.6	494.0	494.0
5°	398.3	397.5	411.1	431.3	444.1	461.8	475.5	490.0	498.0	508.5	513.3
7.5°	263.9	284.0	314.6	350.0	395.9	438.5	470.7	498.8	518.1	530.2	535.0
10°	131.1	142.4	174.6	232.5	310.6	397.5	465.9	518.1	549.5	563.2	572.1
12.5°	92.5	94.9	100.6	132.0	206.8	329.9	450.6	539.1	582.5	608.3	619.5
15°	82.9	84.5	86.9	95.7	127.9	246.2	423.2	562.4	634.0	663.8	678.3
17.5°	76.4	77.2	79.7	86.9	100.6	167.4	379.0	587.3	696.0	732.2	759.5
20°	70.8	70.8	73.2	82.1	93.3	128.7	315.4	615.5	774.8	827.1	854.5
22.5°	64.4	66.0	67.6	77.2	90.9	117.5	255.9	637.2	862.5	926.1	958.3
25°	59.5	61.1	62.8	72.4	88.5	117.5	221.3	650.9	960.7	1036.3	1080.5
27.5°	55.5	57.1	59.5	69.2	86.1	122.3	207.6	654.9	1067.7	1165.8	1225.4
30°	52.3	53.9	56.3	66.8	87.7	127.9	212.4	649.3	1176.3	1299.4	1370.2
32.5°	49.1	50.7	53.1	64.4	87.7	135.2	228.5	638.0	1281.7	1433.0	1519.8
35°	46.7	47.5	48.3	57.9	79.7	134.4	248.6	626.8	1387.9	1564.9	1666.3
37.5°	41.8	42.6	44.3	49.9	63.6	122.3	252.6	613.1	1471.6	1675.9	1787.8
40°	37.0	38.6	40.2	45.9	53.1	99.0	234.9	584.1	1515.8	1761.2	1897.2
42.5°	33.8	34.6	36.2	41.8	49.1	78.8	197.1	533.4	1555.2	1819.2	1976.8
45°	31.4	32.2	33.8	37.8	45.9	68.4	155.3	471.5	1558.5	1837.7	2015.5
47.5°	29.0	29.8	30.6	34.6	44.3	61.1	119.1	415.2	1557.7	1861.8	2048.5
50°	27.4	28.2	29.8	33.0	41.8	54.7	98.2	369.3	1591.5	1914.1	2115.2
52.5°	26.6	26.6	29.0	32.2	39.4	49.9	82.1	328.3	1609.2	1965.6	2163.5
55°	24.9	25.7	27.4	30.6	37.0	47.5	70.0	276.8	1617.2	1991.3	2172.4
57.5°	23.3	24.1	26.6	29.0	35.4	45.1	60.3	206.8	1502.1	1857.0	2024.3
60°	*20.9*	*22.5*	*25.7*	*28.2*	*33.0*	*41.0*	*53.1*	*140.0*	*1267.2*	*1614.0*	*1754.0*
62.5°	16.9	20.1	23.3	24.9	29.8	34.6	45.1	93.3	1012.2	1335.6	1494.9
65°	12.9	16.9	19.3	21.7	24.9	29.0	37.8	63.6	675.0	898.7	1078.1
67.5°	11.3	14.5	16.1	17.7	20.9	24.9	30.6	44.3	409.5	539.9	716.9
70°	8.9	12.1	13.7	12.9	16.1	19.3	21.7	29.8	209.2	292.9	407.9
72.5°	6.4	9.7	10.5	10.5	9.7	13.7	16.1	20.9	90.9	142.4	185.1
75°	4.8	6.4	7.2	6.4	5.6	8.9	11.3	13.7	59.5	85.3	107.8
77.5°	2.4	2.4	4.0	4.0	2.4	4.8	5.6	8.0	33.8	49.9	62.0
80°	0.8	0.0	0.0	0.8	0.0	1.6	2.4	4.0	17.7	26.6	38.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.9	8.0	20.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8
87.5°	0.0	0.0	0.0	0.0	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: P1501877
CATALOG NUMBER: GSS-SB1A-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	492.4	*492.4*	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4
2.5°	498.0	*498.0*	501.3	506.1	508.5	510.1	510.9	512.5	519.0	517.3
5°	519.0	*520.6*	523.0	527.8	533.4	531.8	531.8	531.8	535.8	532.6
7.5°	546.3	*551.1*	551.9	557.6	553.5	545.5	540.7	533.4	532.6	532.6
10°	590.6	*589.0*	589.0	581.7	567.2	543.9	523.0	508.5	500.4	501.3
12.5°	638.0	*631.6*	632.4	605.8	564.8	513.3	470.7	439.3	436.9	434.5
15°	696.8	*679.9*	676.7	615.5	528.6	449.8	407.9	383.0	374.9	372.5
17.5°	780.4	*737.8*	722.5	598.6	481.1	410.3	379.0	367.7	366.9	366.1
20°	868.9	*784.5*	755.5	573.7	465.0	411.1	387.8	384.6	383.0	383.8
22.5°	971.9	*814.2*	777.2	577.7	479.5	437.7	419.2	416.8	415.2	416.8
25°	1078.1	*848.8*	803.0	609.9	523.0	486.8	465.0	460.2	465.0	472.3
27.5°	1185.1	*895.5*	853.7	673.4	593.0	553.5	532.6	550.3	557.6	558.4
30°	1280.1	*960.7*	922.0	762.7	672.6	633.2	637.2	659.8	668.6	677.5
32.5°	1367.0	*1047.6*	1017.8	864.1	775.6	752.3	749.9	766.8	776.4	770.8
35°	1454.7	*1161.0*	1132.0	974.3	901.9	882.6	862.5	895.5	892.3	883.4
37.5°	1537.5	*1275.3*	1248.7	1092.6	1017.8	984.0	980.8	1010.5	1037.1	1035.5
40°	1597.1	*1367.8*	1335.6	1210.1	1139.3	1110.3	1127.2	1178.7	1172.3	1163.4
42.5°	1651.8	*1446.6*	1417.7	1313.1	1239.1	1251.9	1267.2	1301.8	1297.8	1288.9
45°	1677.5	*1514.2*	1489.3	1391.1	1354.9	1395.9	1395.1	1408.0	1386.3	1383.1
47.5°	1713.8	*1562.5*	1536.7	1461.1	1493.3	1510.2	1462.7	1449.0	1428.9	1412.8
50°	1780.5	*1637.3*	1611.6	1567.3	1594.7	1542.4	1484.4	1454.7	1413.6	1385.5
52.5°	1858.6	*1750.8*	1728.2	1710.5	1634.1	1526.3	1452.3	1398.4	1348.5	1324.3
55°	1956.7	*1918.1*	1902.0	1804.7	1598.7	1460.3	1373.4	1272.8	1204.5	1181.9
57.5°	1988.9	*2163.5*	2157.9	1820.0	1499.7	1340.4	1183.5	1047.6	976.8	962.3
60°	*1894.0*	*2355.8*	*2335.7*	*1794.2*	*1320.3*	*1087.8*	*904.3*	*765.2*	*650.1*	*633.2*
62.5°	1772.5	*2208.6*	2201.3	1664.7	1005.7	779.6	675.8	545.5	496.4	483.6
65°	1518.2	*1807.1*	1810.3	1335.6	636.4	560.0	555.2	433.7	373.3	363.7
67.5°	1169.1	*1386.3*	1363.8	840.0	370.9	448.1	443.3	317.0	229.3	222.9
70°	683.1	*1032.3*	996.1	436.9	245.4	374.1	341.1	222.9	156.1	148.8
72.5°	301.7	*568.0*	609.9	192.3	173.0	297.7	246.2	136.8	87.7	86.1
75°	167.4	*281.6*	294.5	83.7	121.5	211.6	148.8	76.4	49.9	49.1
77.5°	100.6	*124.7*	121.5	53.9	90.9	135.2	90.1	43.4	31.4	29.8
80°	56.3	*57.1*	48.3	39.4	53.9	75.6	50.7	27.4	14.5	14.5
82.5°	34.6	*31.4*	24.9	12.1	14.5	45.9	18.5	15.3	4.8	4.8
85°	14.5	*9.7*	6.4	2.4	5.6	12.1	6.4	7.2	2.4	2.4
87.5°	0.0	*0.0*	0.0	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

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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

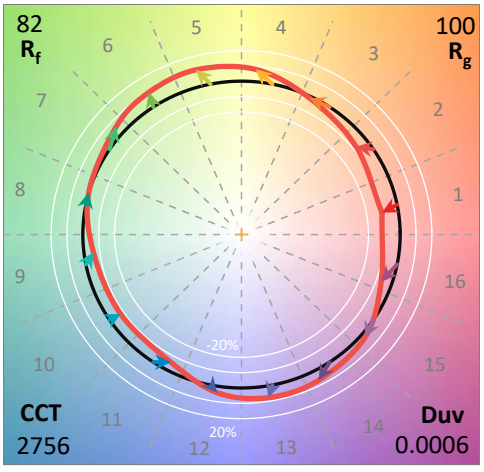
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

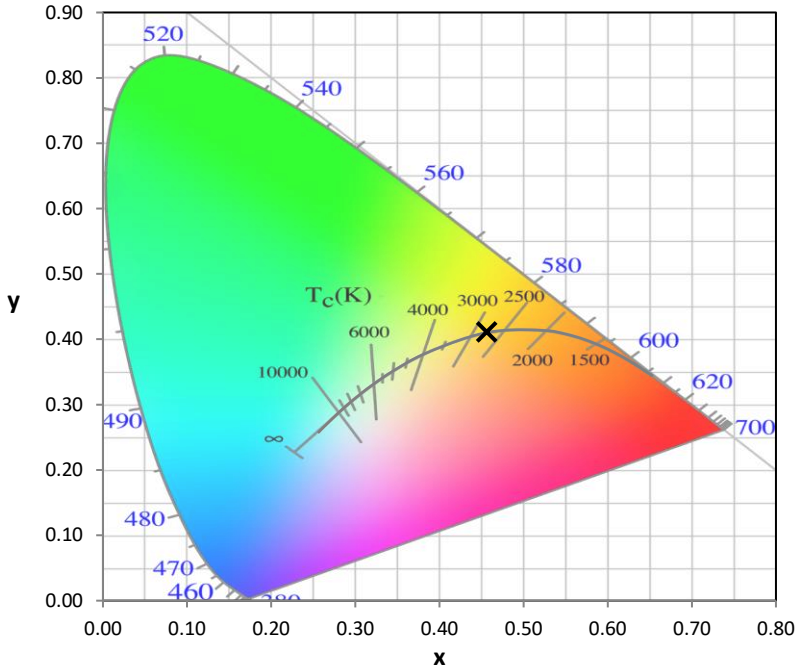
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

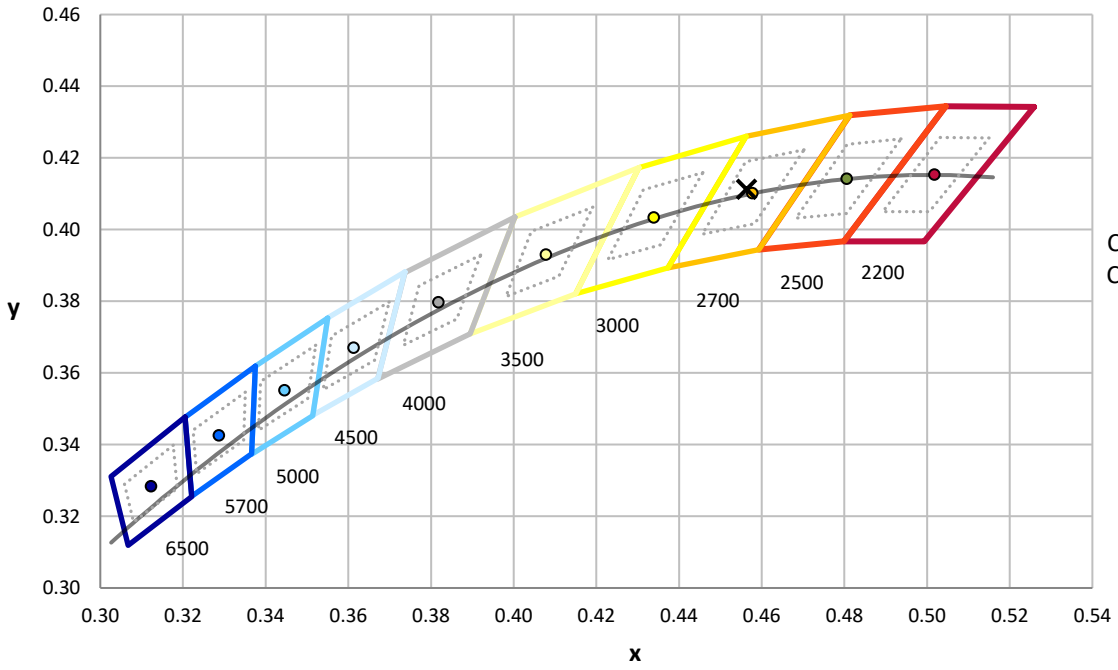
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

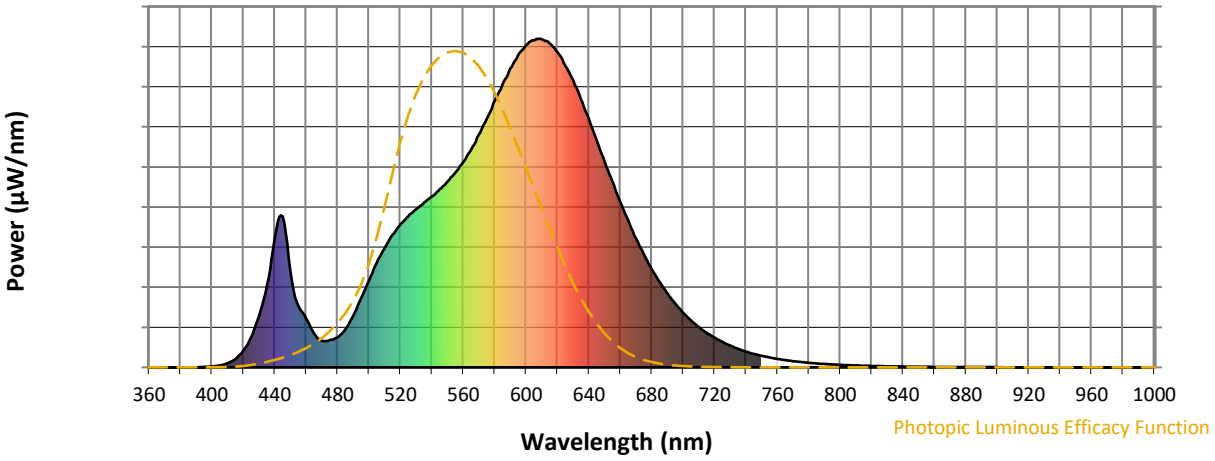


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

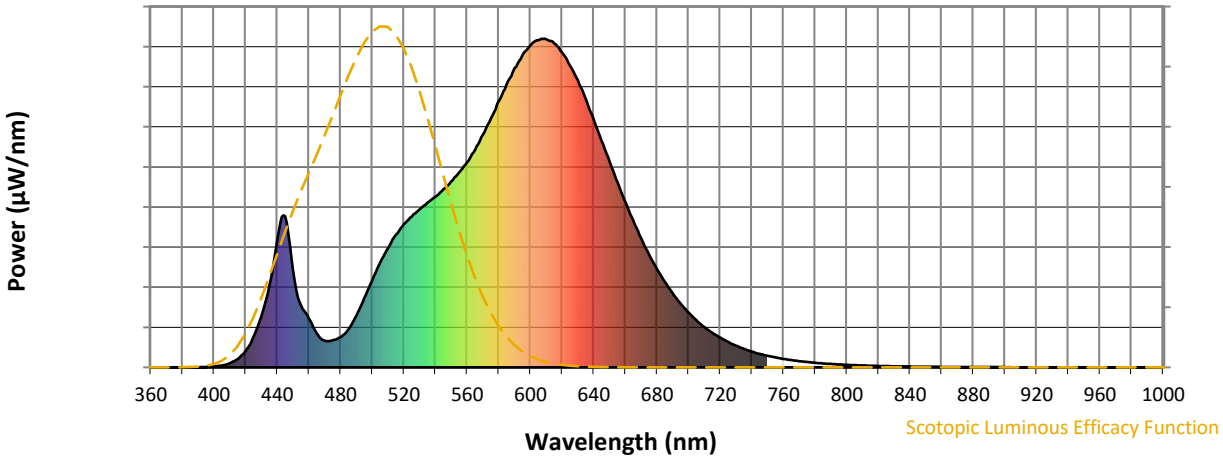


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

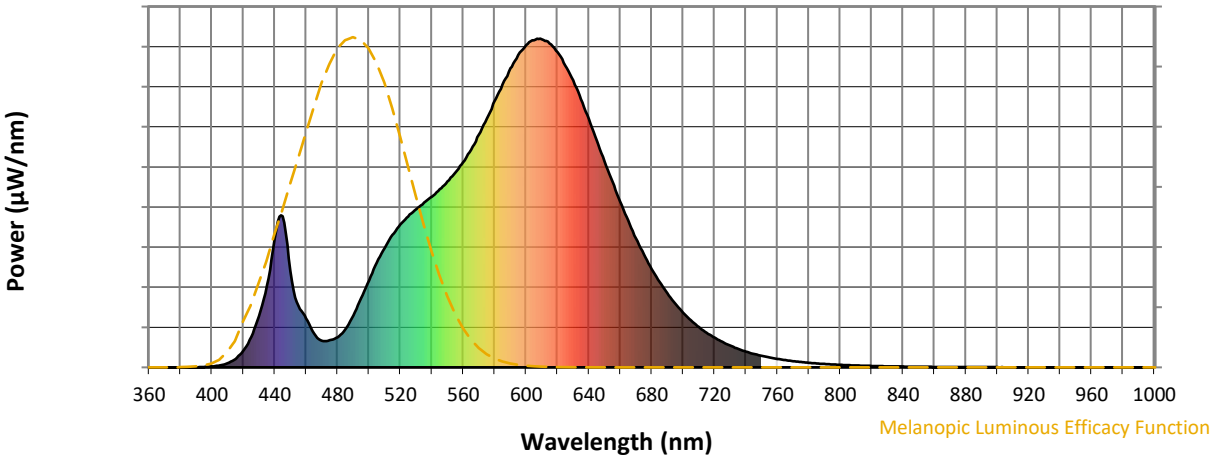


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

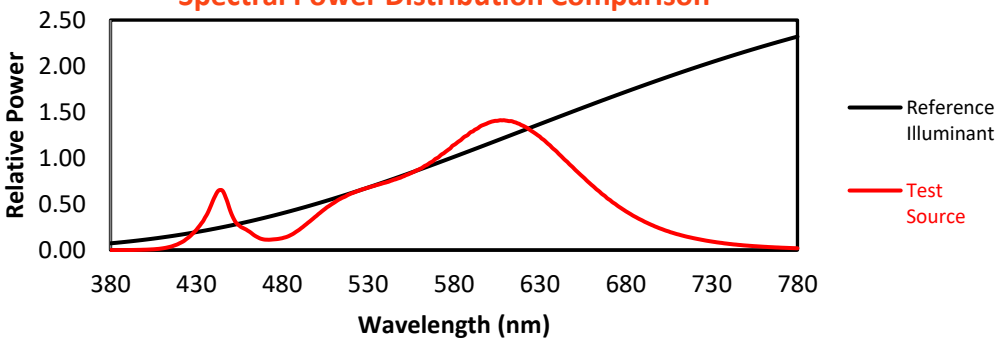
REPORT NUMBER: SP1-2407-184-8

TM-30-18

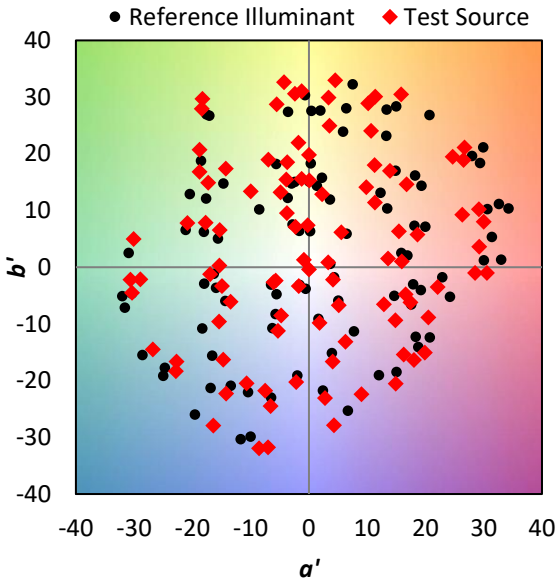
Summary

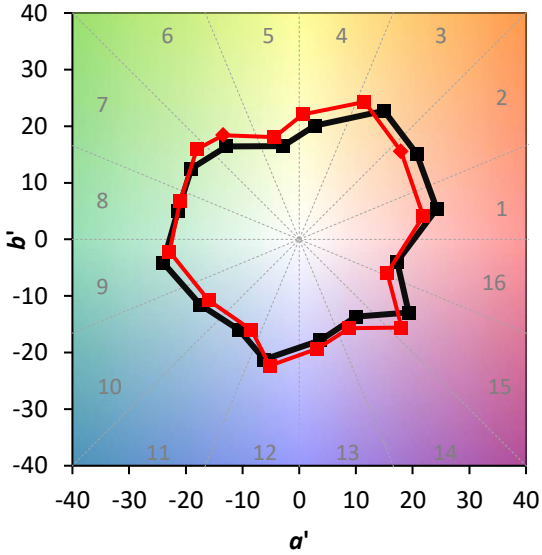
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

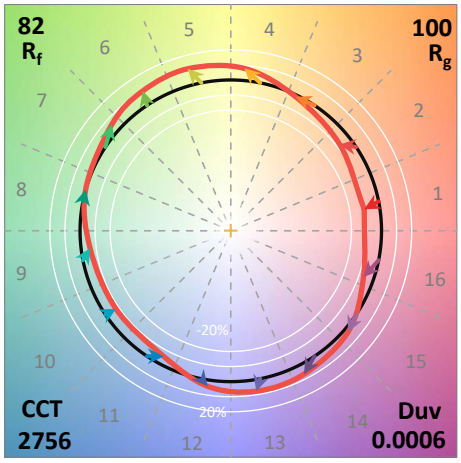
Spectral Power Distribution Comparison

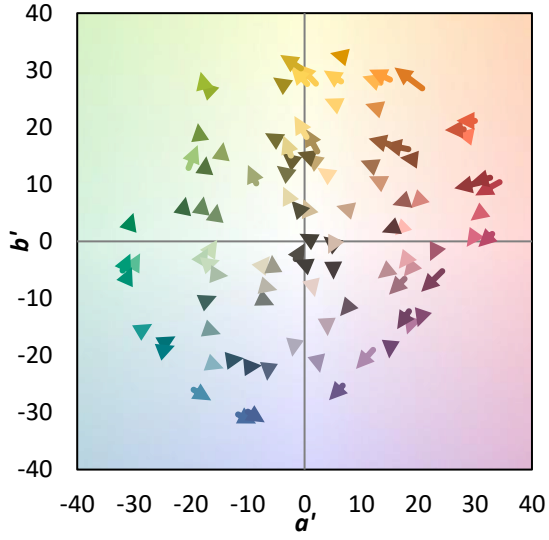


Color Vector Graphics







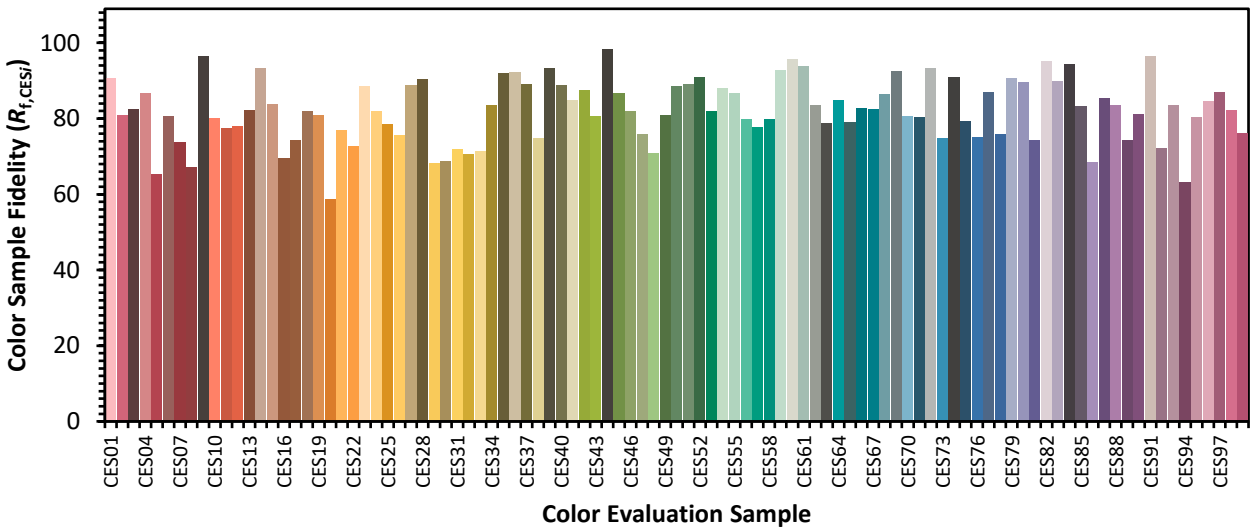


REPORT NUMBER: SP1-2407-184-8

TM-30-18

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

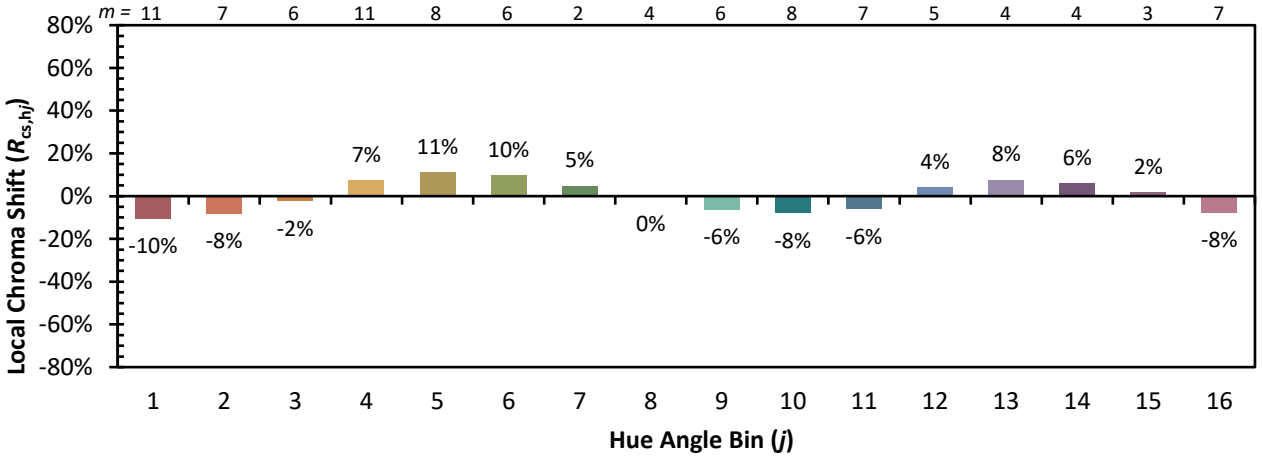
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

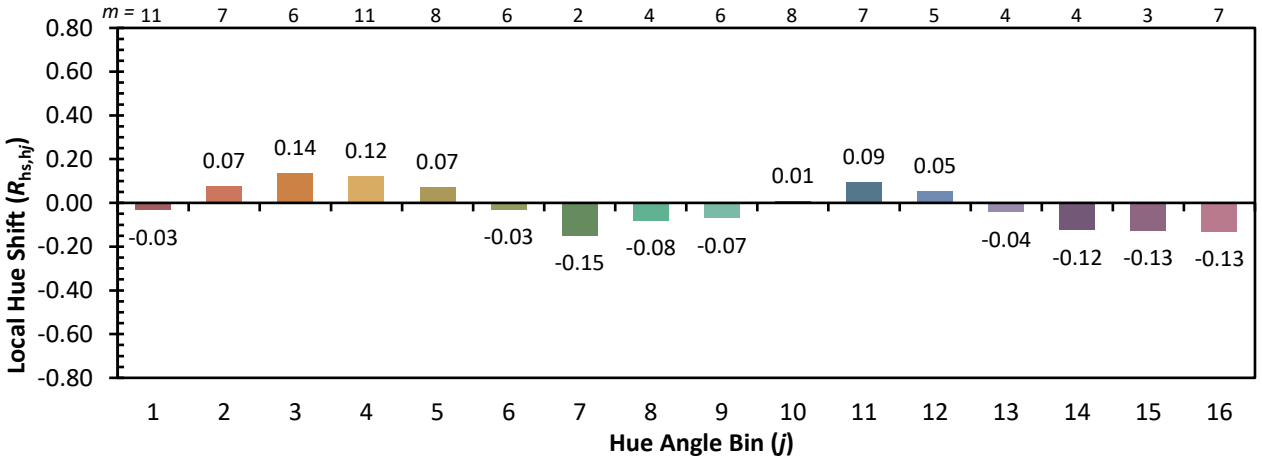


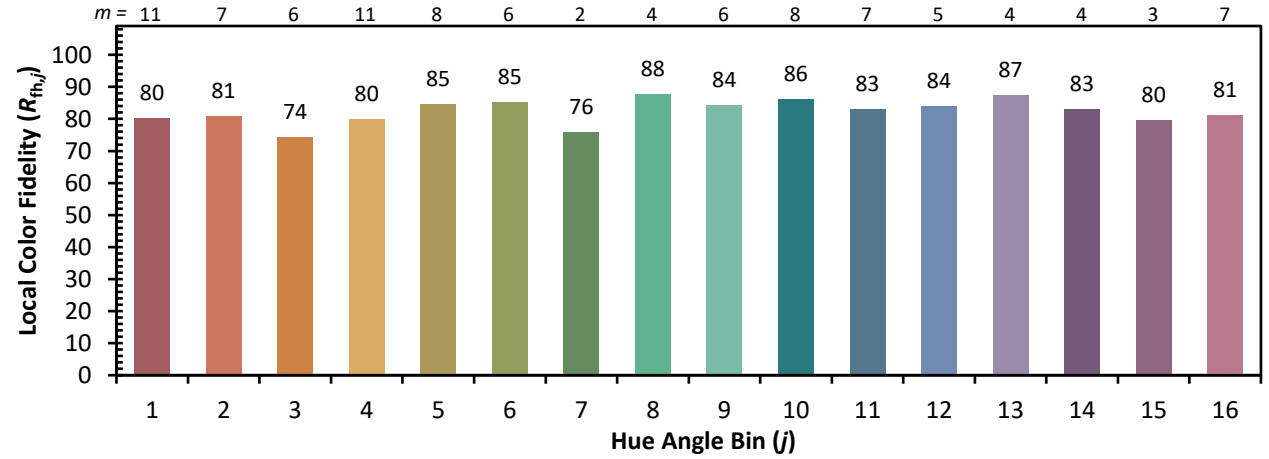
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Color Rendition by Hue-Angle Bin



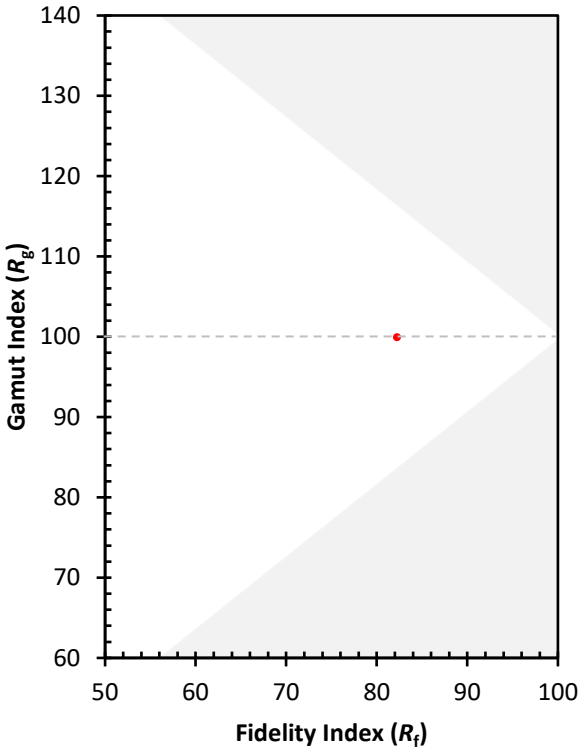


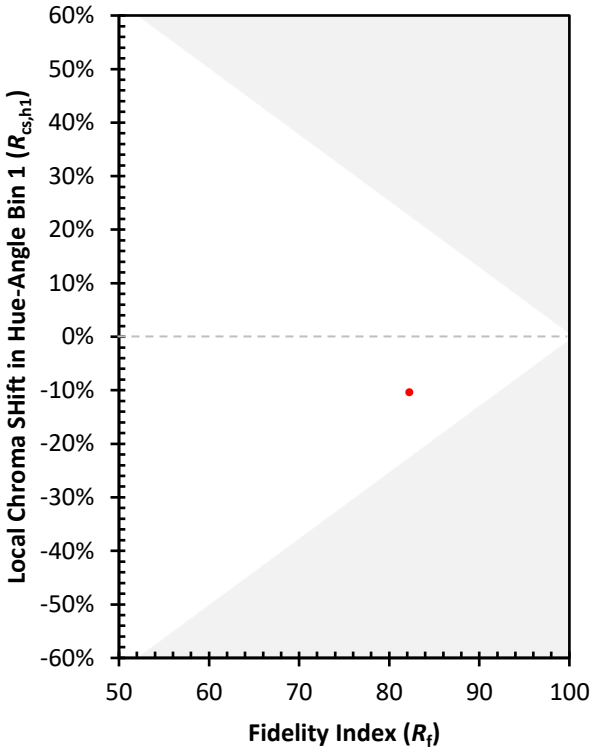


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Measure Comparisons





(END OF REPORT)