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: P1365324

Luminaire Tested: **GSS-SB2B-727-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365324
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 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:	7351.3 lumens
Efficiency:	N/A
Efficacy:	99.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

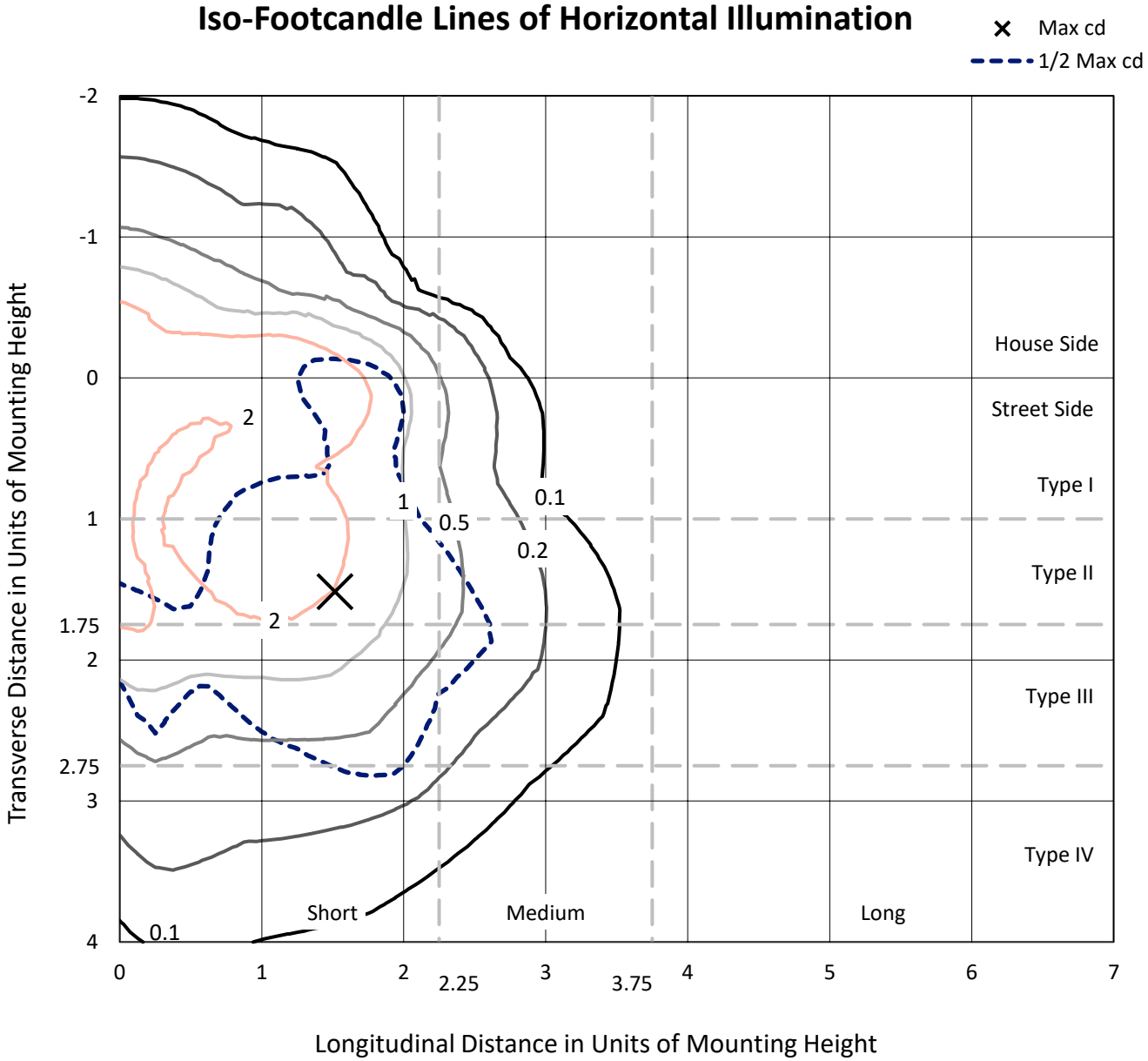
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



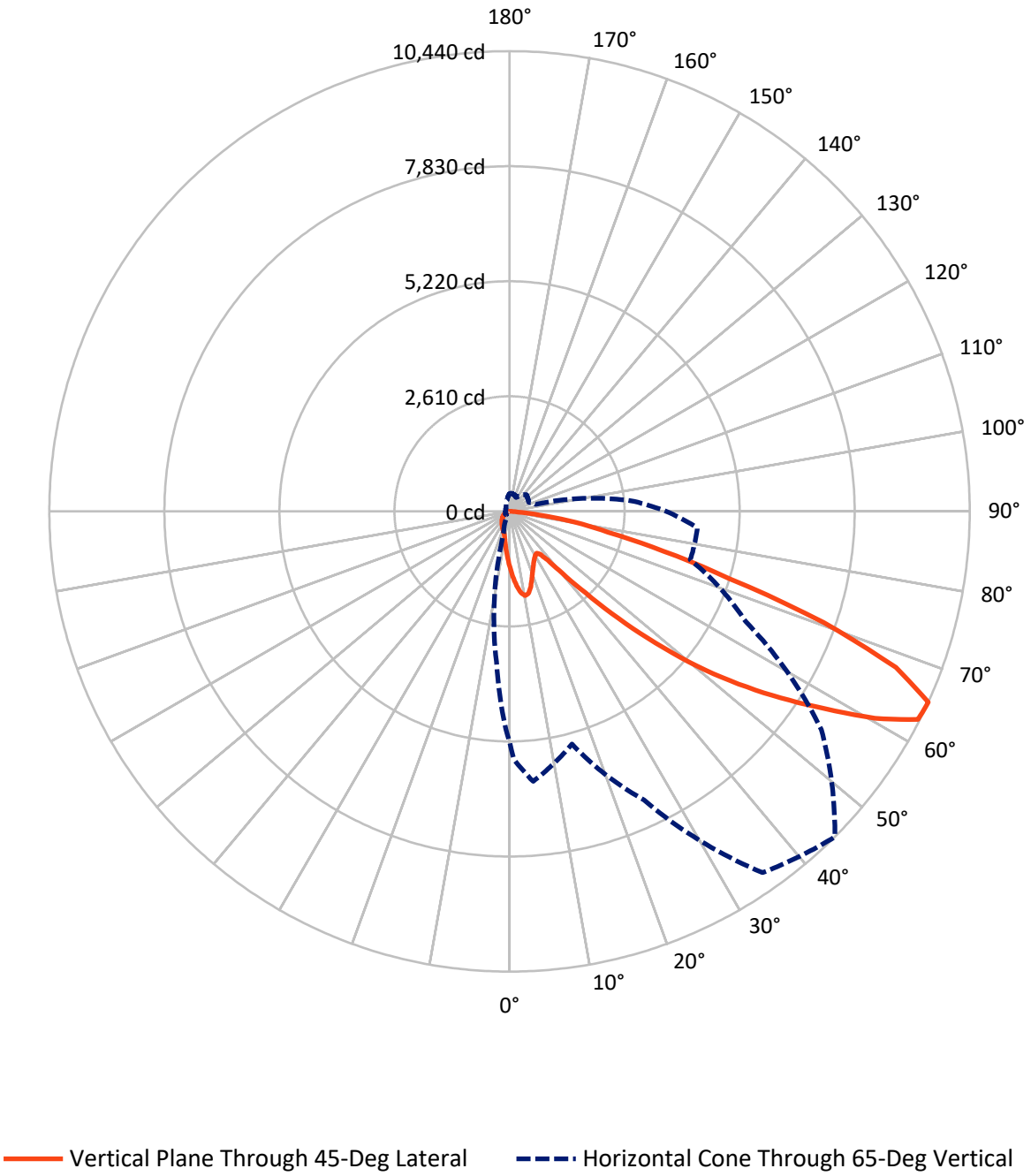
Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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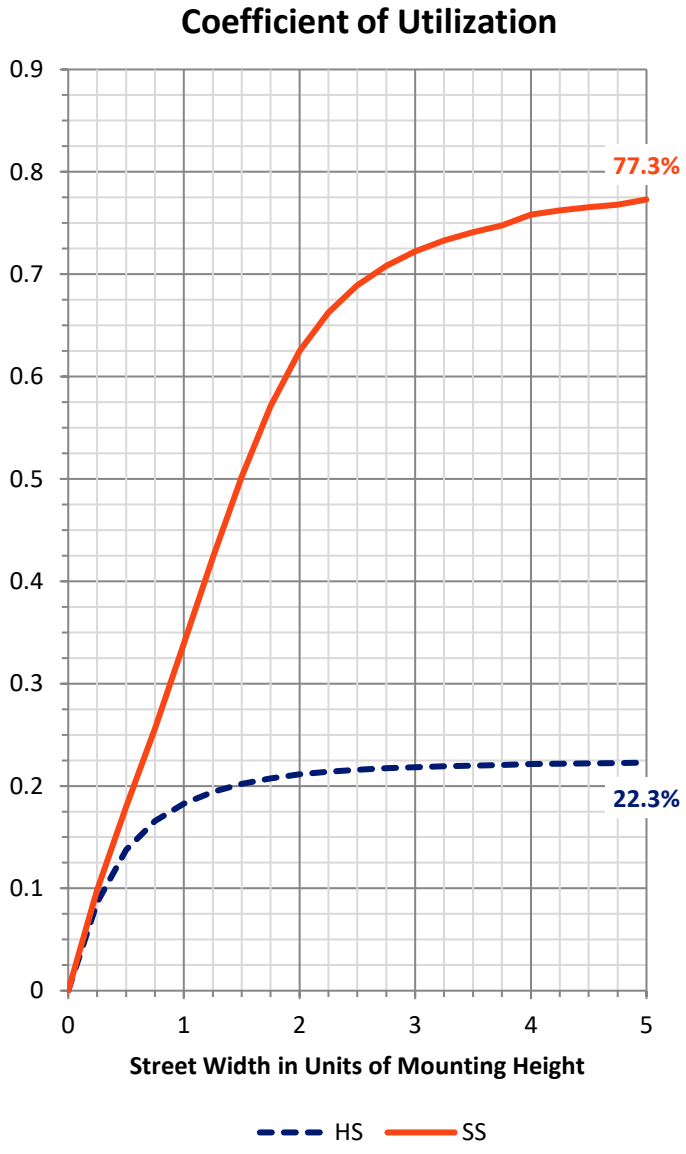
REPORT NUMBER: P1365324
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1653.7	0.0	1653.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5697.7	0.0	5697.7
	% Fixture	77.5	0.0	77.5
Total	Lumens	7351.3	0.0	7351.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	1.7
10°-20°	337.6	4.6
20°-30°	483.5	6.6
30°-40°	606.5	8.3
40°-50°	996.3	13.6
50°-60°	1798.8	24.5
60°-70°	1997.0	27.2
70°-80°	902.7	12.3
80°-90°	106.8	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°	7351.3	100.0
0°-180°	7351.3	100.0



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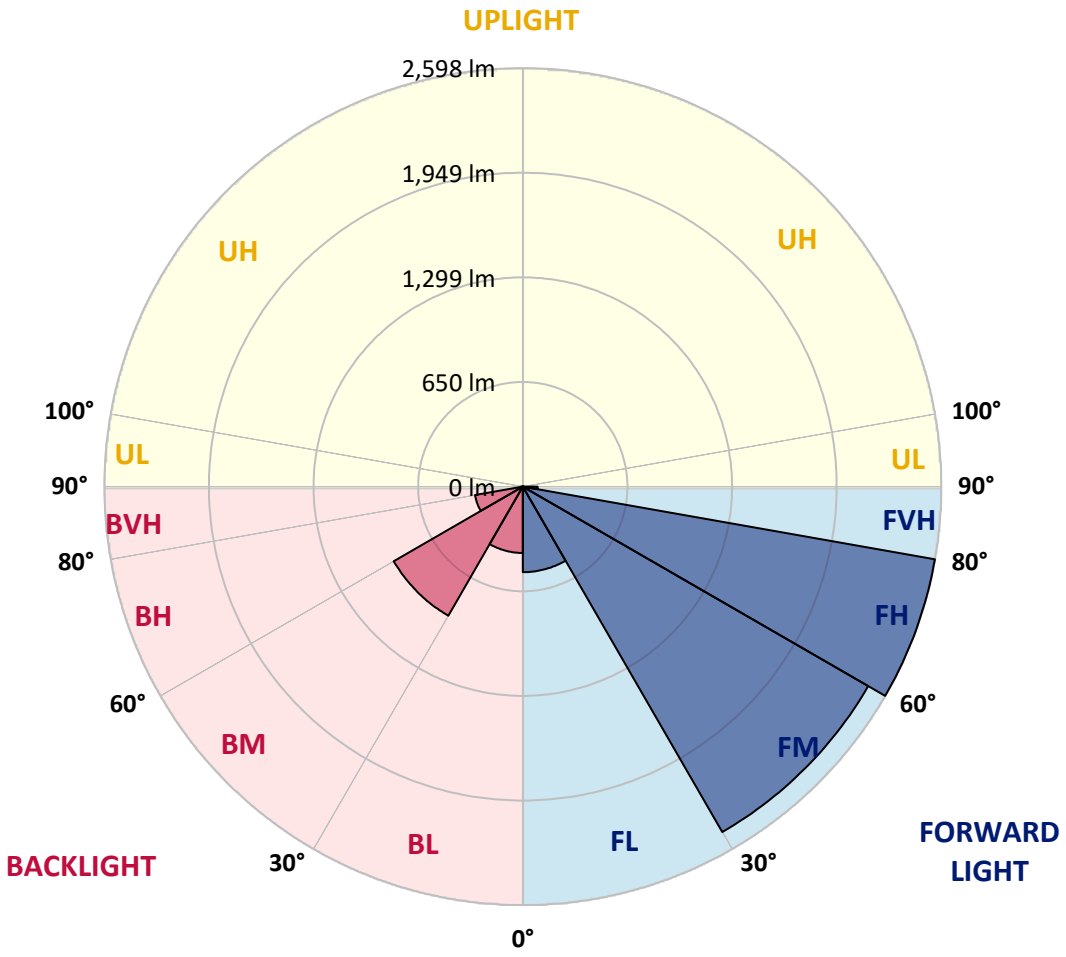
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	531.1	7.2			
FM	(30°-60°)	2476.4	33.7			
FH	(60°-80°)	2598.5	35.3			G2/5000
FVH	(80°-90°)	91.7	1.2			G1/100
BL	(0°-30°)	412.1	5.6	B1/500		
BM	(30°-60°)	925.3	12.6	B1/1000		
BH	(60°-80°)	301.2	4.1	B1/500		G1/500
BVH	(80°-90°)	15.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0
2.5°	1398.6	1416.7	1414.4	1439.2	1461.8	1477.6	1491.1	1486.6	1475.3	1452.8	1437.0
5°	1545.2	1558.8	1581.3	1628.7	1664.8	1696.4	1691.9	1696.4	1662.5	1628.7	1588.1
7.5°	1671.6	1687.4	1718.9	1786.6	1831.7	1870.1	1865.6	1852.0	1813.7	1757.3	1696.4
10°	1750.5	1761.8	1795.6	1872.3	1924.2	1955.8	1944.5	1922.0	1872.3	1815.9	1743.8
12.5°	1784.4	1797.9	1827.2	1888.1	1922.0	1915.2	1910.7	1906.2	1881.4	1838.5	1773.1
15°	1788.9	1797.9	1820.5	1847.5	1834.0	1795.6	1786.6	1820.5	1852.0	1843.0	1788.9
17.5°	1788.9	1802.4	1806.9	1779.8	1709.9	1640.0	1631.0	1687.4	1775.3	1845.3	1813.7
20°	1795.6	1802.4	1793.4	1705.4	1574.6	1497.9	1482.1	1552.0	1682.8	1820.5	1838.5
22.5°	1804.7	1811.4	1773.1	1617.4	1464.0	1382.8	1373.8	1425.7	1579.1	1784.4	1865.6
25°	1822.7	1818.2	1759.5	1540.7	1367.0	1290.3	1276.8	1344.5	1493.4	1748.3	1910.7
27.5°	1845.3	1825.0	1741.5	1477.6	1297.1	1215.9	1206.9	1272.3	1421.2	1703.2	1949.0
30°	1874.6	1854.3	1739.2	1427.9	1245.2	1164.0	1152.7	1224.9	1371.5	1671.6	2003.2
32.5°	1915.2	1885.9	1741.5	1389.6	1215.9	1139.2	1132.4	1209.1	1351.2	1653.5	2059.6
35°	1969.3	1926.5	1750.5	1376.1	1224.9	1173.0	1188.8	1247.5	1371.5	1667.1	2152.1
37.5°	2037.0	1996.4	1795.6	1405.4	1324.2	1360.3	1400.9	1423.4	1468.5	1730.2	2300.9
40°	2149.8	2093.4	1863.3	1500.1	1590.4	1759.5	1838.5	1829.5	1725.7	1874.6	2510.7
42.5°	2307.7	2255.8	2000.9	1741.5	2034.8	2393.4	2526.5	2449.8	2136.3	2104.7	2855.9
45°	2549.1	2463.4	2185.9	2100.2	2571.6	3160.4	3460.4	3196.5	2657.4	2467.9	3347.7
47.5°	2858.1	2772.4	2474.6	2458.9	3171.7	4107.9	4464.3	3945.4	3174.0	2943.9	3936.4
50°	3354.4	3259.7	2898.7	2824.3	3834.9	5053.1	5529.0	4692.1	3699.6	3449.2	4662.8
52.5°	4035.7	3972.5	3571.0	3201.0	4428.2	6095.3	6505.8	5472.6	4105.6	4026.7	5454.6
55°	4985.4	4924.5	4446.2	3620.6	4989.9	7139.7	7471.3	6183.2	4459.8	4703.4	6282.5
57.5°	6061.4	6162.9	5644.1	4180.1	5580.9	7981.1	8443.6	6828.4	4938.0	5608.0	7202.9
60°	6763.0	7083.3	7017.9	5156.8	6499.0	9027.8	9530.9	7692.4	5637.3	6273.5	7182.6
62.5°	6153.9	6474.2	6975.0	6289.3	7383.3	9975.3	10399.4	8601.5	6332.1	5743.3	6032.1
65°	5222.2	5621.5	6149.4	5463.6	7227.7	10004.6	10440.0	8635.3	5908.0	4245.5	4277.1
67.5°	4500.4	4854.5	5504.2	4649.3	6406.6	9111.3	9454.2	7703.7	4883.9	2815.3	2790.5
70°	3756.0	4080.8	4901.9	4139.4	5612.5	7852.5	7557.0	6476.5	4128.2	1870.1	1549.8
72.5°	3201.0	3501.0	4356.0	3719.9	4453.0	6363.7	5208.7	5373.4	3358.9	1188.8	1055.7
75°	2648.3	2923.6	3704.1	3368.0	3683.8	3970.3	3600.3	3816.9	2767.9	1008.4	814.4
77.5°	1858.8	2030.2	2598.7	2679.9	2867.2	2350.6	2282.9	2673.2	1969.3	500.8	342.9
80°	915.9	1021.9	1355.8	1594.9	1355.8	1333.2	1520.4	1779.8	1021.9	306.8	189.5
82.5°	410.6	487.3	624.9	965.5	489.5	532.4	672.2	947.4	464.7	182.7	81.2
85°	65.4	72.2	121.8	162.4	133.1	205.3	196.3	185.0	99.3	49.6	22.6
87.5°	2.3	2.3	2.3	4.5	6.8	9.0	11.3	11.3	11.3	11.3	11.3
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°	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0
2.5°	1432.5	1425.7	1391.8	1358.0	1328.7	1299.4	1270.0	1229.4	1197.8	1170.8	1159.5
5°	1567.8	1531.7	1479.8	1423.4	1373.8	1317.4	1263.3	1202.4	1152.7	1100.8	1073.8
7.5°	1660.3	1624.2	1538.5	1452.8	1391.8	1330.9	1274.5	1206.9	1141.4	1067.0	1026.4
10°	1703.2	1662.5	1570.1	1470.8	1396.4	1335.5	1283.6	1227.2	1161.8	1069.3	1015.1
12.5°	1732.5	1682.8	1576.8	1475.3	1400.9	1337.7	1288.1	1247.5	1209.1	1118.9	1055.7
15°	1750.5	1705.4	1594.9	1477.6	1394.1	1319.7	1272.3	1258.8	1265.5	1222.7	1146.0
17.5°	1777.6	1734.7	1617.4	1491.1	1382.8	1281.3	1229.4	1258.8	1319.7	1333.2	1272.3
20°	1813.7	1768.6	1646.8	1502.4	1349.0	1209.1	1159.5	1233.9	1335.5	1405.4	1371.5
22.5°	1854.3	1818.2	1680.6	1513.7	1299.4	1114.4	1091.8	1182.1	1290.3	1380.6	1382.8
25°	1903.9	1870.1	1728.0	1524.9	1231.7	1033.2	1037.7	1114.4	1200.1	1292.6	1308.4
27.5°	1971.6	1940.0	1786.6	1538.5	1161.8	967.8	990.3	1046.7	1105.4	1161.8	1184.3
30°	2046.0	2021.2	1856.5	1565.5	1096.3	929.4	942.9	981.3	1028.7	1062.5	1073.8
32.5°	2147.5	2106.9	1922.0	1563.3	1046.7	911.4	897.8	909.1	947.4	981.3	983.5
35°	2273.9	2242.3	1989.6	1522.7	1001.6	902.3	855.0	848.2	870.8	904.6	902.3
37.5°	2458.9	2431.8	2100.2	1459.5	945.2	879.8	809.8	787.3	803.1	825.6	832.4
40°	2736.3	2666.4	2226.5	1389.6	888.8	839.2	755.7	724.1	735.4	760.2	764.7
42.5°	3113.0	2980.0	2395.7	1294.8	834.7	778.3	701.6	667.7	674.5	697.1	701.6
45°	3595.8	3395.0	2628.0	1195.6	791.8	715.1	645.2	609.1	615.8	640.7	651.9
47.5°	4159.7	3884.5	2871.7	1089.6	767.0	665.5	588.8	561.7	577.5	602.3	606.8
50°	4825.2	4547.8	3027.3	1003.8	751.2	627.1	536.9	525.6	545.9	566.2	570.7
52.5°	5551.6	5156.8	2928.1	933.9	737.7	613.6	500.8	505.3	521.1	541.4	548.2
55°	6257.7	5380.2	2598.7	843.7	721.9	622.6	473.7	485.0	505.3	521.1	525.6
57.5°	6717.9	5192.9	2093.4	748.9	703.8	629.4	460.2	469.2	491.8	509.8	512.1
60°	6316.3	4782.4	1567.8	667.7	665.5	618.1	455.7	442.1	473.7	489.5	491.8
62.5°	5174.9	3911.6	1001.6	591.0	593.3	593.3	453.4	397.0	437.6	451.2	448.9
65°	*3555.2*	*2765.6*	*620.4*	*482.7*	*505.3*	*539.1*	*439.9*	*349.7*	*397.0*	*410.6*	*406.0*
67.5°	2337.0	1757.3	383.5	372.2	415.1	467.0	412.8	313.6	356.4	365.4	351.9
70°	1267.8	827.9	252.7	243.6	324.8	367.7	349.7	282.0	318.1	327.1	313.6
72.5°	836.9	476.0	178.2	178.2	254.9	257.2	286.5	252.7	282.0	291.0	277.5
75°	629.4	306.8	124.1	137.6	162.4	200.8	205.3	212.0	239.1	250.4	236.9
77.5°	288.7	112.8	74.4	101.5	112.8	153.4	130.8	157.9	178.2	182.7	171.4
80°	166.9	63.2	49.6	65.4	72.2	126.3	76.7	94.7	126.3	133.1	119.6
82.5°	69.9	31.6	33.8	40.6	42.9	69.9	54.1	60.9	83.5	81.2	72.2
85°	20.3	20.3	22.6	24.8	24.8	40.6	38.3	36.1	38.3	38.3	31.6
87.5°	13.5	13.5	13.5	15.8	15.8	18.0	20.3	22.6	22.6	22.6	20.3
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°	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0
2.5°	1143.7	1123.4	1094.1	1089.6	1073.8	1062.5	1073.8	1085.1	1105.4	1107.6	1116.6
5°	1049.0	1001.6	965.5	924.9	904.6	902.3	897.8	911.4	940.7	958.7	972.3
7.5°	985.8	900.1	836.9	780.5	760.2	744.4	758.0	755.7	794.1	809.8	823.4
10°	952.0	832.4	737.7	667.7	640.7	624.9	622.6	627.1	649.7	665.5	681.3
12.5°	974.5	805.3	665.5	584.3	554.9	536.9	521.1	521.1	525.6	545.9	552.7
15°	1049.0	821.1	631.6	543.7	505.3	476.0	455.7	439.9	442.1	444.4	451.2
17.5°	1157.2	861.7	620.4	518.8	478.2	442.1	421.8	403.8	399.3	399.3	397.0
20°	1261.0	893.3	611.3	498.5	446.7	415.1	397.0	381.2	374.5	374.5	374.5
22.5°	1303.9	920.4	600.1	473.7	415.1	385.7	370.0	358.7	356.4	356.4	354.2
25°	1270.0	911.4	586.5	448.9	385.7	363.2	349.7	338.4	336.1	338.4	336.1
27.5°	1164.0	879.8	568.5	428.6	363.2	342.9	331.6	320.3	318.1	320.3	320.3
30°	1051.2	825.6	539.1	412.8	345.1	322.6	311.3	300.0	300.0	302.3	304.5
32.5°	961.0	771.5	505.3	392.5	324.8	304.5	293.3	282.0	282.0	286.5	286.5
35°	884.3	728.6	471.5	372.2	306.8	284.2	275.2	266.2	263.9	268.4	270.7
37.5°	823.4	690.3	435.4	351.9	288.7	268.4	259.4	248.1	245.9	250.4	254.9
40°	760.2	647.4	403.8	327.1	270.7	250.4	241.4	227.8	227.8	232.4	236.9
42.5°	699.3	609.1	383.5	304.5	252.7	230.1	221.1	209.8	209.8	214.3	218.8
45°	649.7	573.0	372.2	282.0	232.4	212.0	200.8	191.7	194.0	198.5	203.0
47.5°	602.3	534.6	374.5	270.7	218.8	191.7	180.5	173.7	178.2	185.0	189.5
50°	566.2	507.6	376.7	252.7	200.8	176.0	164.7	160.2	166.9	173.7	178.2
52.5°	543.7	480.5	363.2	230.1	187.2	160.2	153.4	153.4	160.2	164.7	169.2
55°	521.1	435.4	333.9	205.3	173.7	148.9	144.4	144.4	151.1	155.7	157.9
57.5°	503.0	388.0	300.0	185.0	157.9	137.6	137.6	137.6	139.9	142.1	146.6
60°	469.2	338.4	257.2	169.2	142.1	128.6	126.3	126.3	124.1	126.3	133.1
62.5°	410.6	284.2	218.8	151.1	128.6	117.3	115.0	108.3	101.5	103.8	108.3
65°	*347.4*	*225.6*	*182.7*	*130.8*	*110.5*	*103.8*	*101.5*	*90.2*	*81.2*	*83.5*	*90.2*
67.5°	277.5	169.2	153.4	112.8	94.7	88.0	88.0	81.2	74.4	74.4	79.0
70°	216.6	142.1	115.0	90.2	74.4	74.4	79.0	72.2	63.2	63.2	69.9
72.5°	176.0	115.0	92.5	69.9	58.7	63.2	65.4	58.7	51.9	51.9	56.4
75°	137.6	90.2	72.2	51.9	45.1	47.4	51.9	47.4	40.6	42.9	45.1
77.5°	94.7	60.9	47.4	38.3	33.8	36.1	36.1	33.8	31.6	31.6	33.8
80°	63.2	40.6	31.6	27.1	24.8	24.8	22.6	22.6	24.8	24.8	27.1
82.5°	45.1	29.3	24.8	20.3	15.8	15.8	18.0	18.0	20.3	20.3	22.6
85°	27.1	20.3	18.0	13.5	11.3	13.5	13.5	15.8	18.0	18.0	20.3
87.5°	20.3	15.8	13.5	11.3	9.0	9.0	11.3	11.3	13.5	15.8	15.8
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: P1365324
CATALOG NUMBER: GSS-SB2B-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0	1270.0
2.5°	1139.2	1166.3	1204.6	1238.5	1279.1	1319.7	1358.0	1394.1	1396.4	1398.6
5°	1015.1	1069.3	1132.4	1209.1	1290.3	1369.3	1452.8	1520.4	1536.2	1545.2
7.5°	877.5	956.5	1053.5	1161.8	1283.6	1405.4	1522.7	1624.2	1662.5	1671.6
10°	733.1	830.1	947.4	1087.3	1252.0	1414.4	1572.3	1696.4	1741.5	1750.5
12.5°	604.6	683.5	818.9	988.1	1186.6	1400.9	1590.4	1728.0	1773.1	1784.4
15°	494.0	568.5	694.8	873.0	1096.3	1353.5	1576.8	1734.7	1779.8	1788.9
17.5°	408.3	455.7	570.7	764.7	1015.1	1292.6	1558.8	1739.2	1782.1	1788.9
20°	374.5	383.5	444.4	633.9	929.4	1247.5	1547.5	1746.0	1788.9	1795.6
22.5°	358.7	358.7	372.2	482.7	809.8	1200.1	1543.0	1766.3	1797.9	1804.7
25°	342.9	342.9	347.4	379.0	667.7	1141.4	1552.0	1802.4	1822.7	1822.7
27.5°	327.1	327.1	331.6	338.4	496.3	1044.4	1554.3	1843.0	1852.0	1845.3
30°	311.3	315.8	315.8	320.3	365.4	922.6	1540.7	1888.1	1888.1	1874.6
32.5°	295.5	297.8	302.3	304.5	318.1	764.7	1518.2	1944.5	1933.2	1915.2
35°	282.0	284.2	284.2	288.7	302.3	611.3	1493.4	2021.2	1989.6	1969.3
37.5°	263.9	266.2	268.4	273.0	286.5	485.0	1457.3	2086.6	2064.1	2037.0
40°	248.1	250.4	252.7	257.2	270.7	417.3	1412.1	2185.9	2181.4	2149.8
42.5°	230.1	234.6	236.9	239.1	257.2	381.2	1380.6	2346.1	2346.1	2307.7
45°	214.3	218.8	218.8	223.3	248.1	349.7	1450.5	2567.1	2585.2	2549.1
47.5°	200.8	203.0	203.0	205.3	234.6	322.6	1637.7	2905.5	2882.9	2858.1
50°	187.2	191.7	187.2	189.5	223.3	338.4	1946.8	3338.6	3397.3	3354.4
52.5°	178.2	180.5	171.4	171.4	207.5	358.7	2199.4	3891.3	4087.6	4035.7
55°	166.9	169.2	157.9	157.9	182.7	311.3	2215.2	4520.7	4951.5	4985.4
57.5°	155.7	155.7	146.6	144.4	157.9	252.7	1964.8	5007.9	5984.7	6061.4
60°	142.1	139.9	135.3	130.8	144.4	232.4	1497.9	4942.5	6496.8	6763.0
62.5°	121.8	126.3	124.1	115.0	130.8	216.6	976.8	4277.1	5919.3	6153.9
65°	*101.5*	*108.3*	*108.3*	*101.5*	*144.4*	*189.5*	*514.3*	*3424.3*	*4940.3*	*5222.2*
67.5°	90.2	94.7	92.5	88.0	128.6	119.6	248.1	2625.8	4229.7	4500.4
70°	79.0	83.5	76.7	72.2	103.8	85.7	146.6	1757.3	3492.0	3756.0
72.5°	65.4	69.9	63.2	56.4	76.7	65.4	97.0	1143.7	2907.8	3201.0
75°	54.1	56.4	51.9	45.1	56.4	51.9	67.7	746.7	2431.8	2648.3
77.5°	38.3	42.9	40.6	33.8	40.6	36.1	47.4	426.4	1696.4	1858.8
80°	29.3	29.3	29.3	27.1	24.8	24.8	31.6	191.7	823.4	915.9
82.5°	24.8	24.8	22.6	20.3	18.0	15.8	18.0	56.4	388.0	410.6
85°	22.6	18.0	15.8	13.5	11.3	6.8	6.8	15.8	79.0	65.4
87.5°	13.5	11.3	9.0	4.5	2.3	2.3	0.0	2.3	2.3	2.3
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

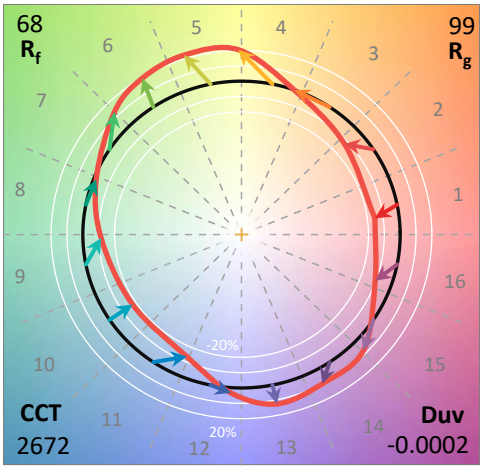
Test Information

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

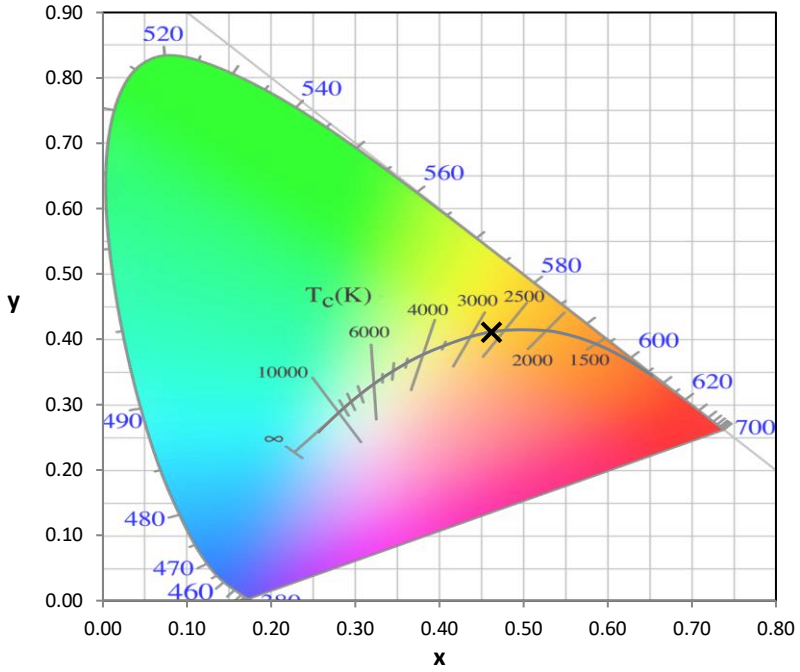
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

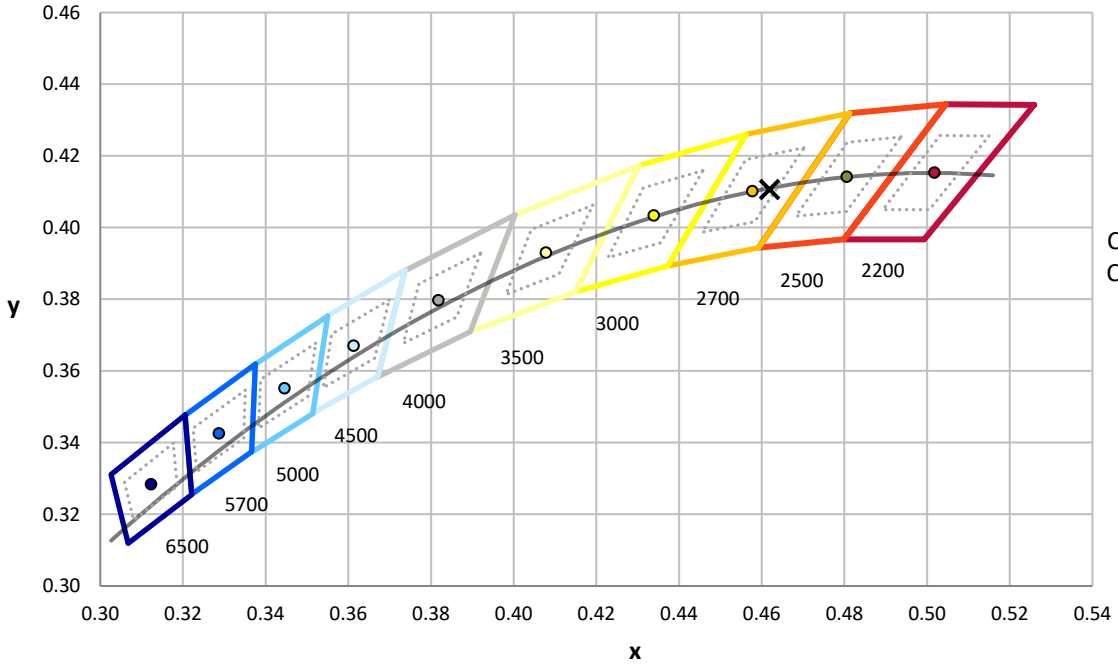
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

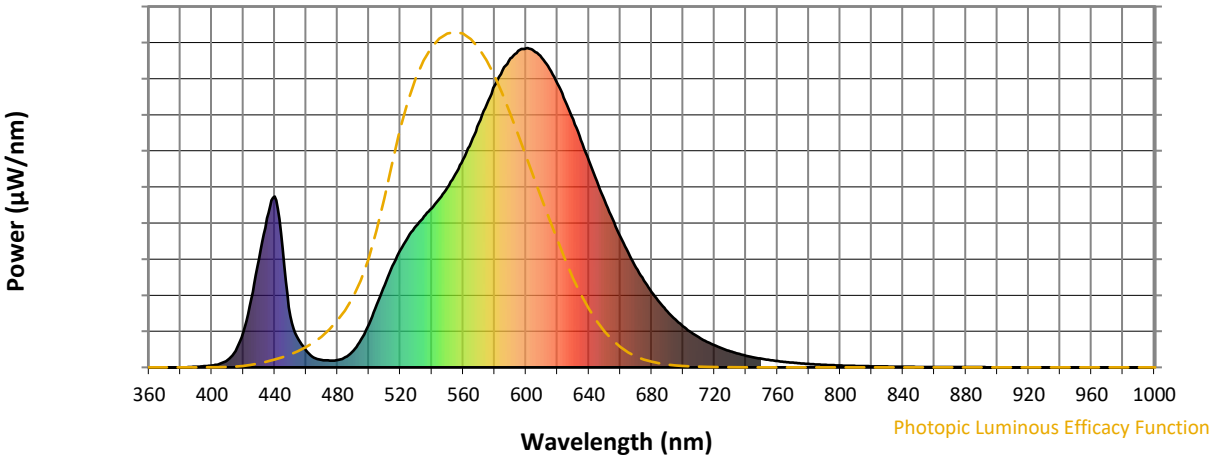


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

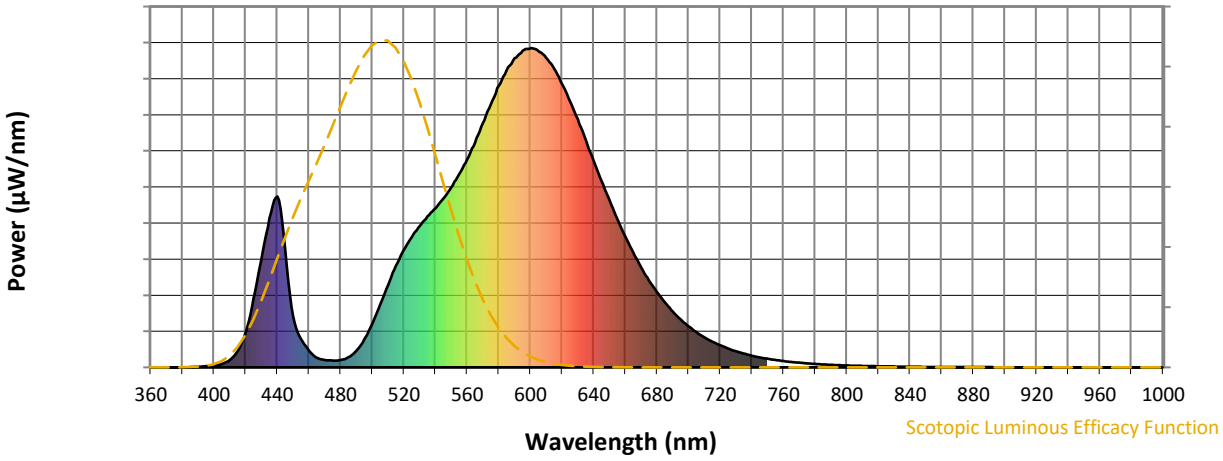


Photopic Lumens: NR

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

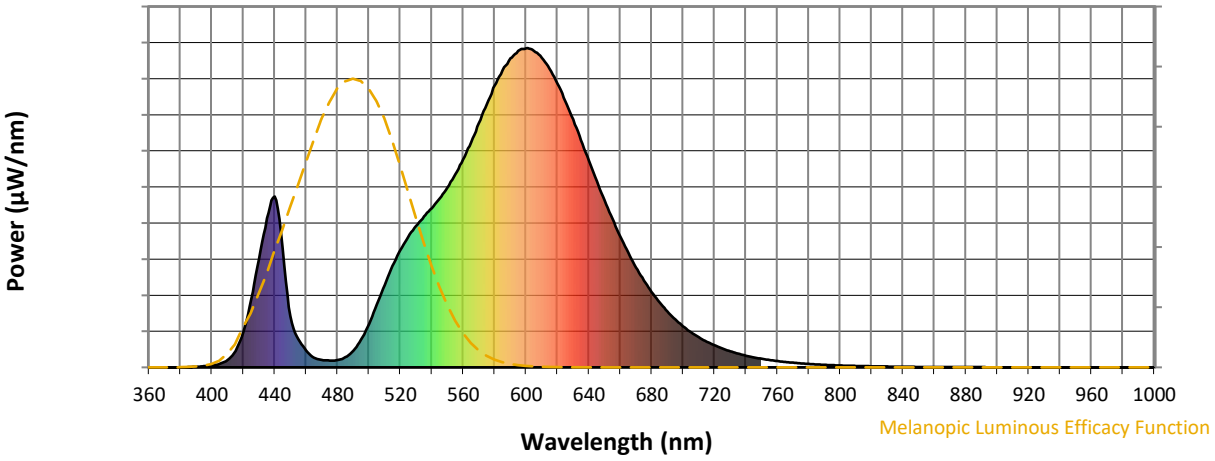


Scotopic Lumens: NR **S/P: 1.02**

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			

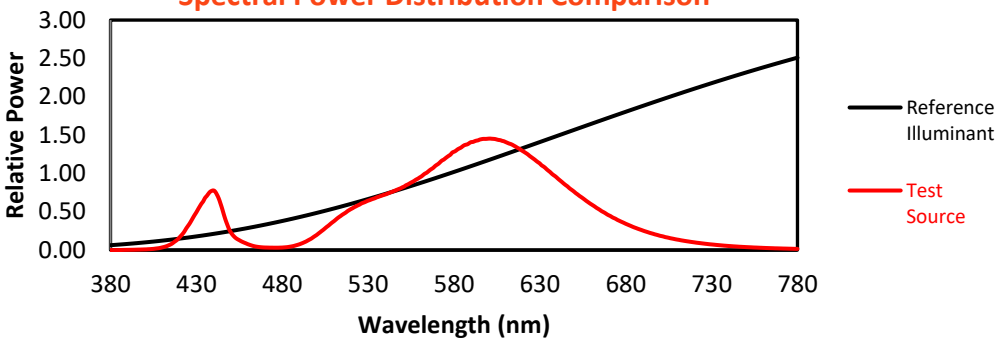
REPORT NUMBER: SP1-2407-184-3

TM-30-18

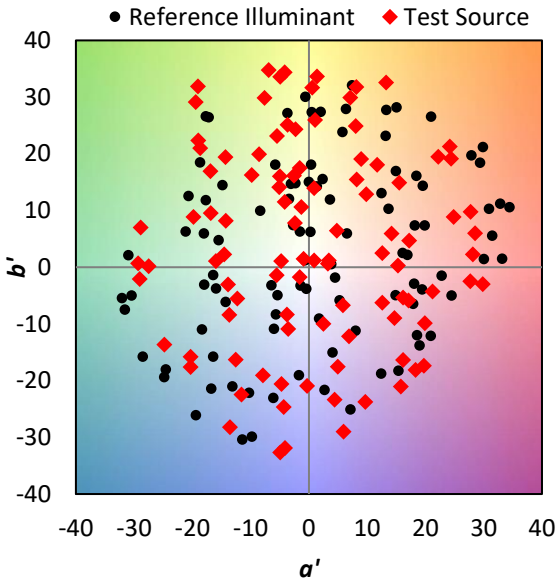
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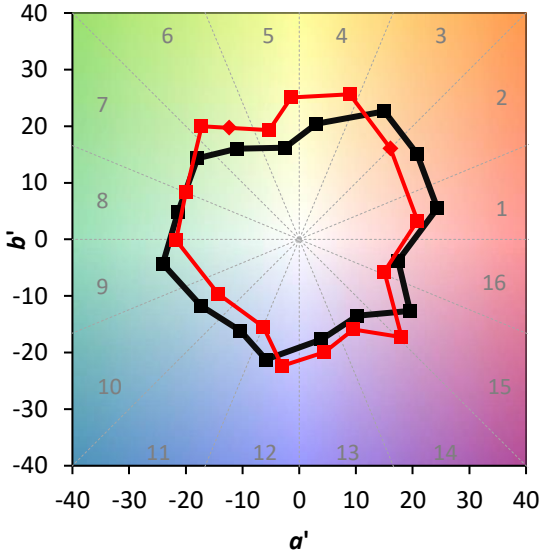
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

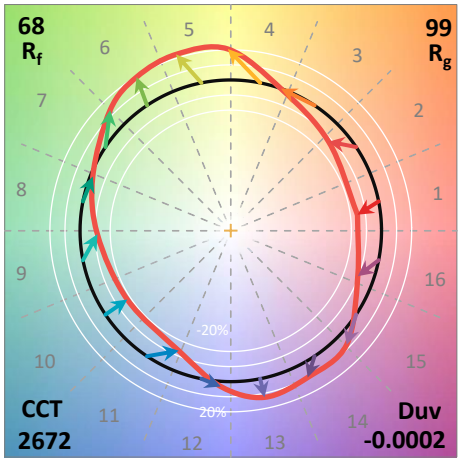
Spectral Power Distribution Comparison

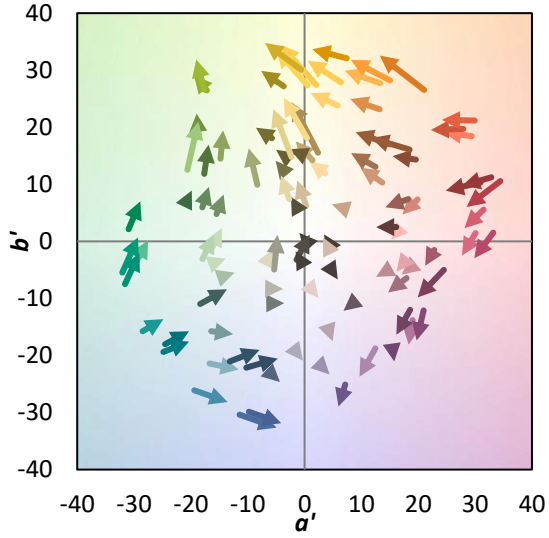


Color Vector Graphics







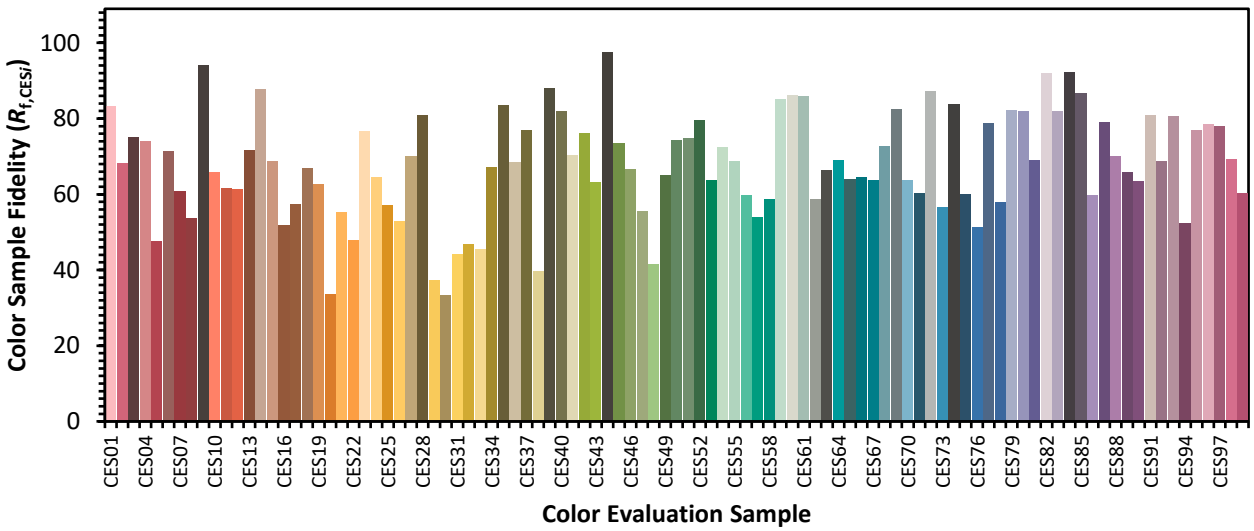


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

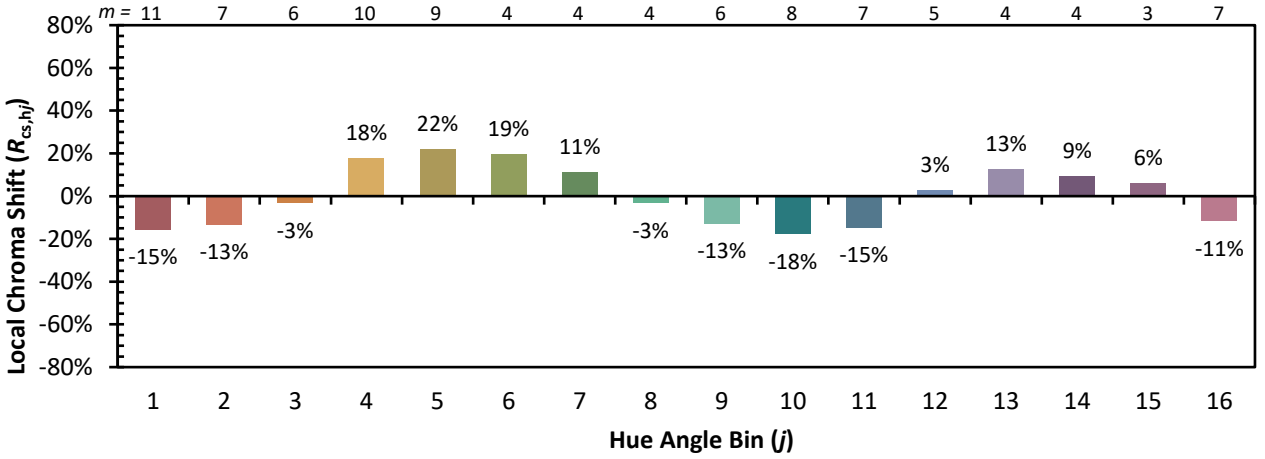
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CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
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CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
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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
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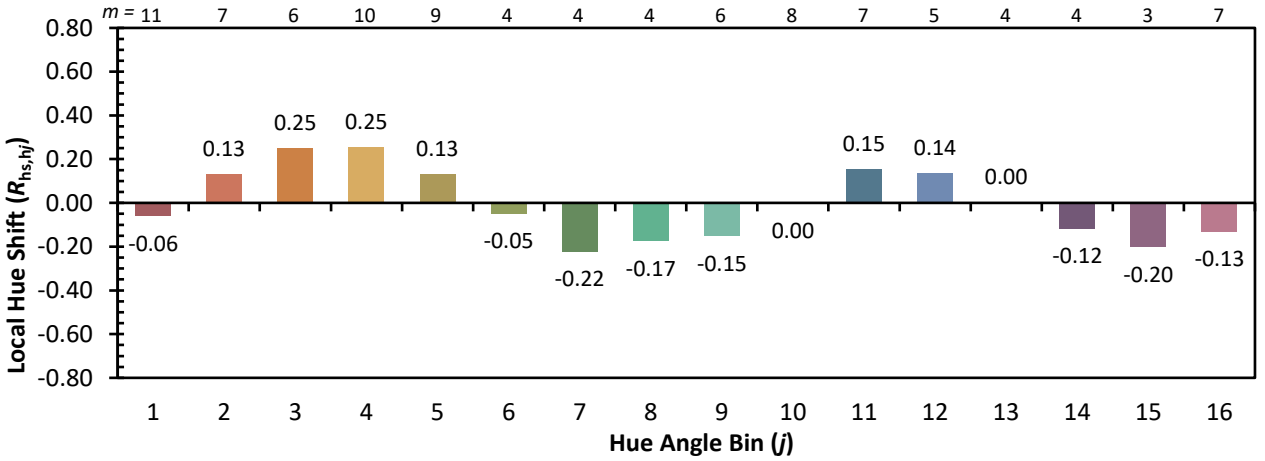


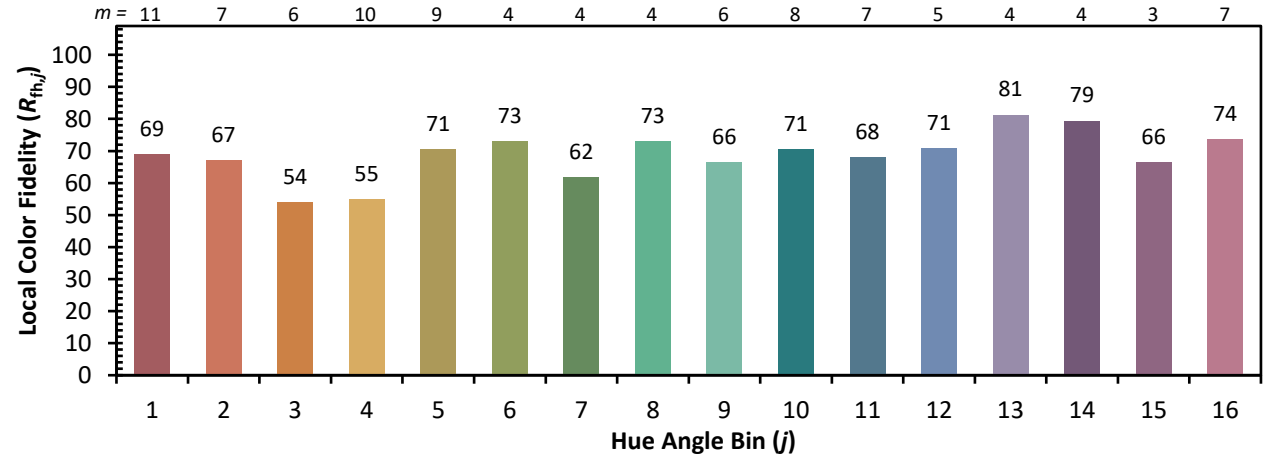
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Color Rendition by Hue-Angle Bin



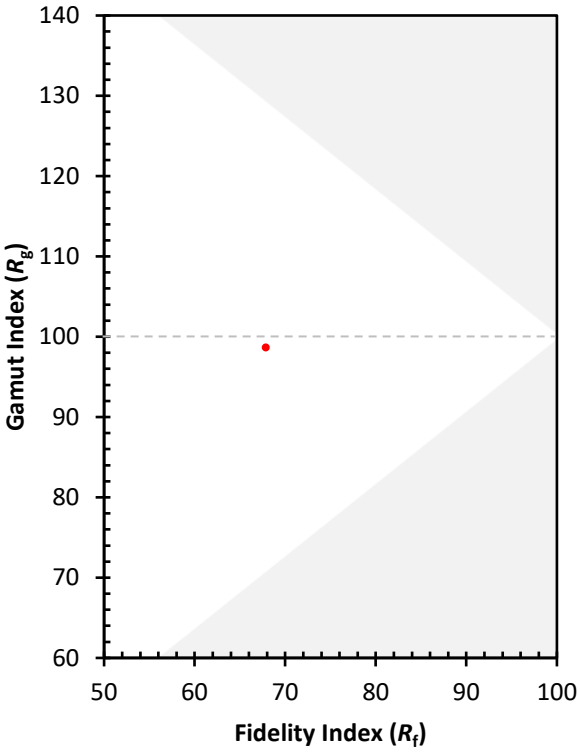


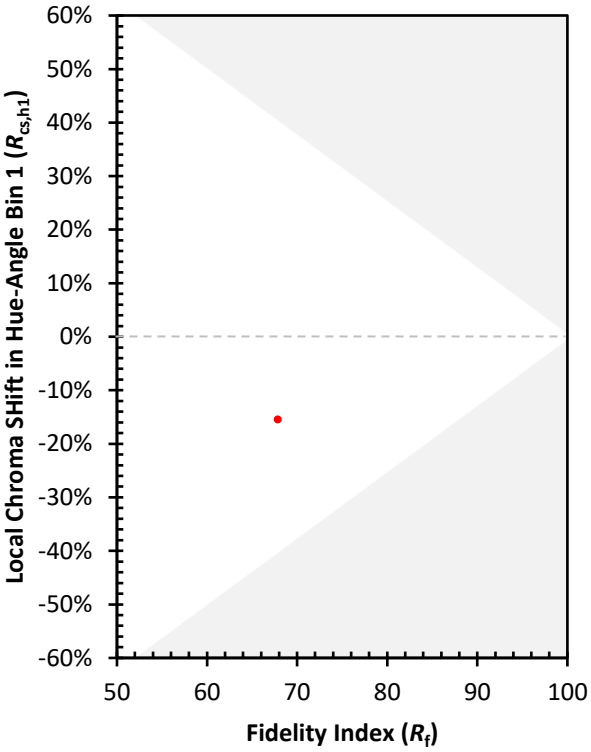


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Measure Comparisons





(END OF REPORT)