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: P1501757

Luminaire Tested: GSS-SB1A-727-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:	P1501757
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-727-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3065.2 lumens
Efficiency:	N/A
Efficacy:	98.9 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

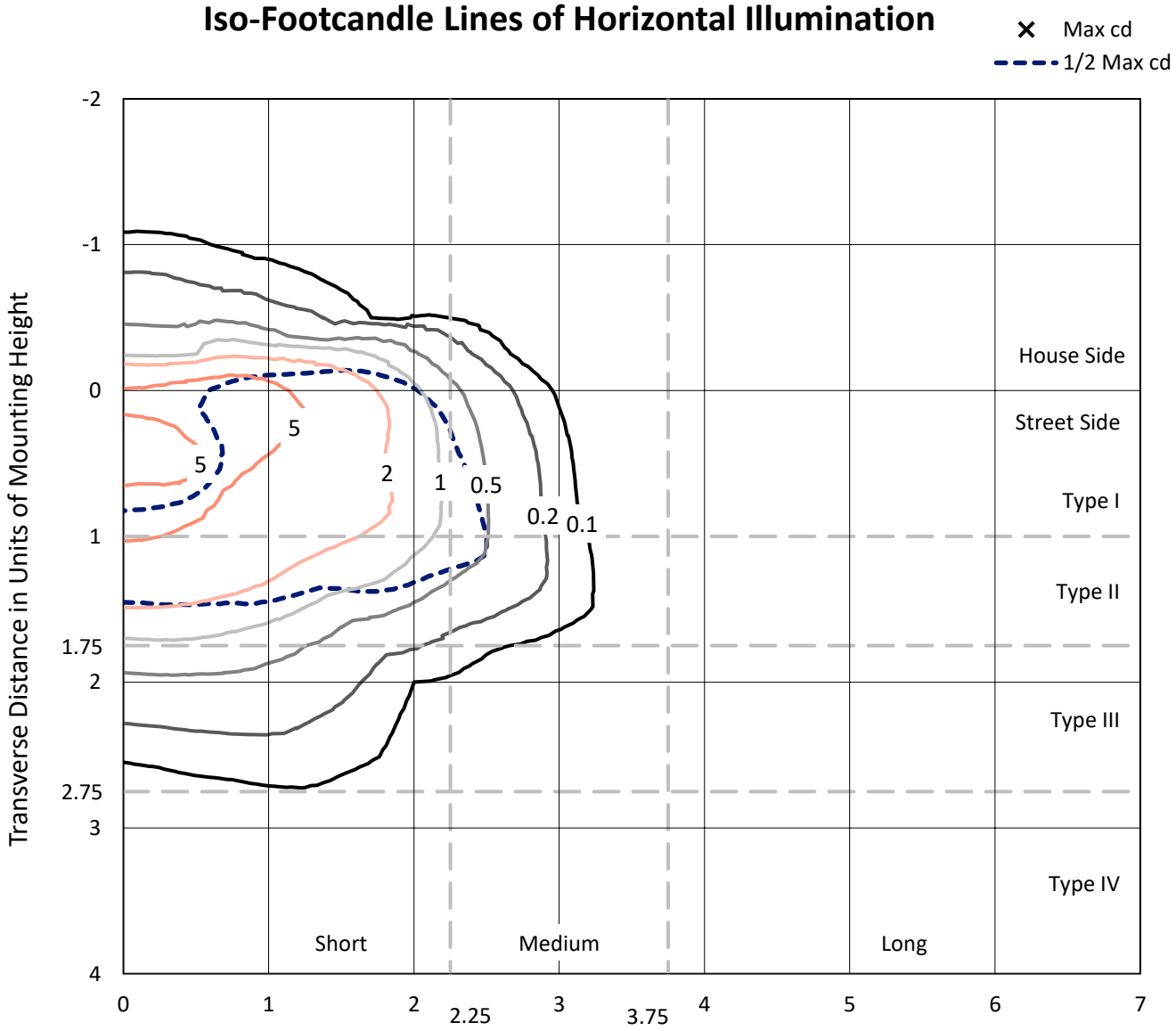
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



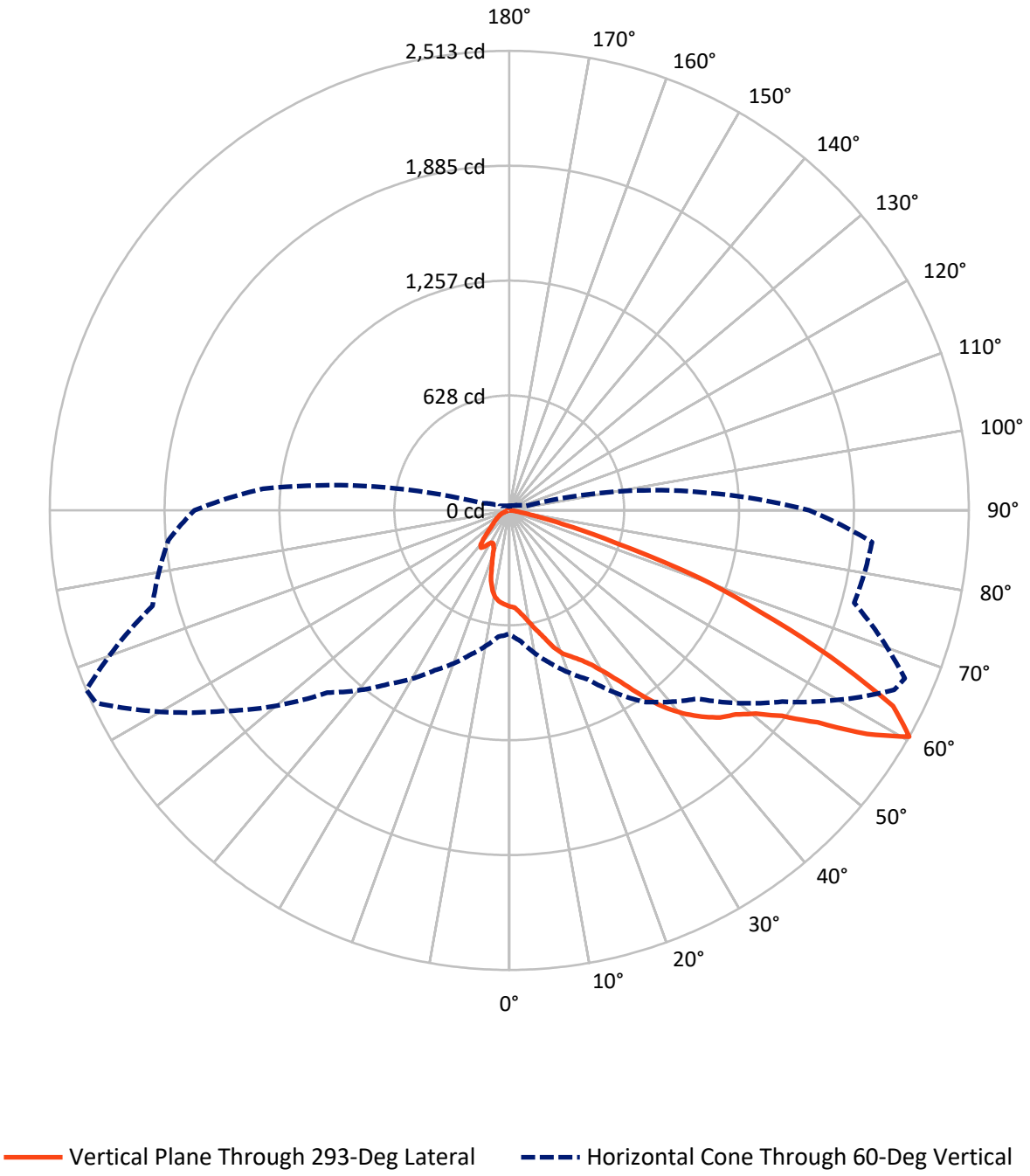
Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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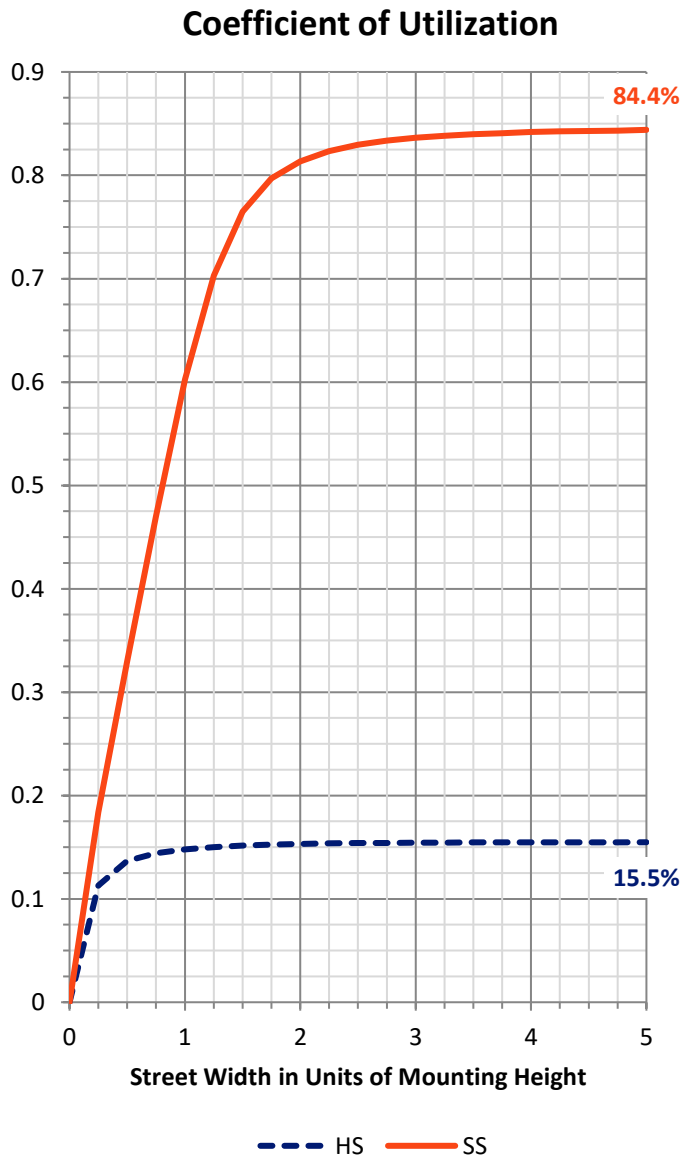
REPORT NUMBER: P1501757
CATALOG NUMBER: GSS-SB1A-727-U-T2LG-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	478.3	0.0	478.3
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	2587.0	0.0	2587.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	3065.2	0.0	3065.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	1.6
10°-20°	119.8	3.9
20°-30°	223.7	7.3
30°-40°	443.5	14.5
40°-50°	707.1	23.1
50°-60°	844.9	27.6
60°-70°	553.9	18.1
70°-80°	116.0	3.8
80°-90°	8.8	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°	3065.2	100.0
0°-180°	3065.2	100.0



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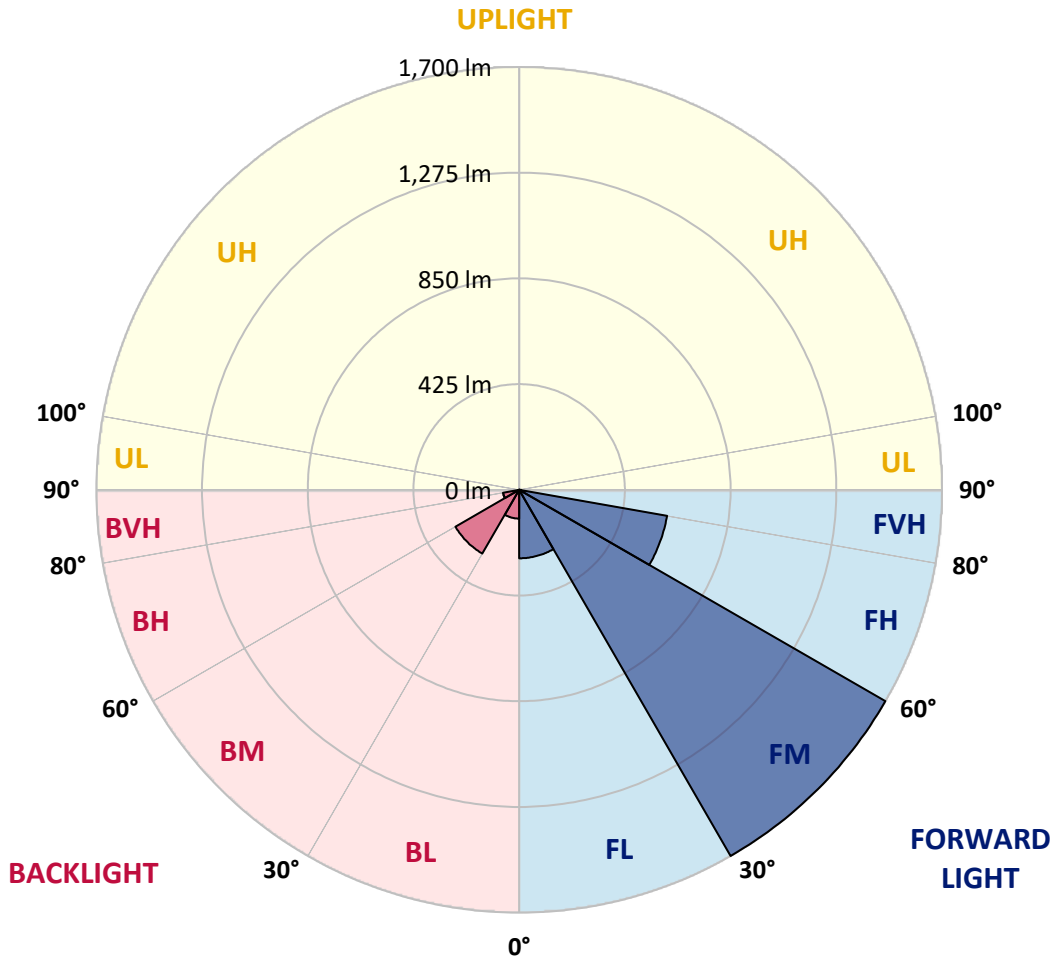
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	275.3	9.0			
FM	(30°-60°)	1699.8	55.5			
FH	(60°-80°)	603.8	19.7			G0/660
FVH	(80°-90°)	8.0	0.3			G0/10
BL	(0°-30°)	115.7	3.8	B1/500		
BM	(30°-60°)	295.7	9.6	B1/1000		
BH	(60°-80°)	66.1	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°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	552.0	550.2	547.7	548.5	547.7	544.2	539.1	534.8	538.2	533.1	529.6
5°	568.3	568.3	566.6	566.6	567.4	565.7	562.3	556.3	557.1	552.8	541.7
7.5°	568.3	565.7	570.0	574.3	582.0	586.3	588.0	584.6	586.3	577.7	563.1
10°	534.8	533.1	544.2	560.5	582.9	602.6	615.5	616.3	618.9	610.3	593.2
12.5°	463.5	460.1	482.4	513.3	558.8	604.3	640.4	654.1	660.1	656.7	632.6
15°	397.4	401.7	417.2	450.7	511.6	581.1	654.1	699.6	708.2	712.5	684.2
17.5°	390.6	391.4	396.6	412.9	459.3	543.4	655.8	746.8	758.8	777.7	739.1
20°	409.5	407.7	412.9	418.0	440.4	509.9	639.5	792.3	815.5	855.8	813.8
22.5°	444.7	444.7	447.2	450.7	461.8	507.3	632.6	834.4	873.9	956.3	907.3
25°	503.9	497.0	498.7	494.4	503.9	538.2	648.1	867.9	921.9	1067.9	1018.9
27.5°	595.7	598.3	582.9	559.7	564.8	594.0	685.9	905.6	971.7	1183.8	1132.2
30°	722.8	718.5	709.0	663.6	643.0	668.7	755.4	967.4	1038.7	1330.5	1283.3
32.5°	822.4	834.4	818.1	786.3	754.5	762.3	853.3	1067.0	1120.2	1465.3	1439.6
35°	942.5	942.5	946.0	901.3	879.9	878.2	976.0	1175.2	1228.4	1587.2	1605.2
37.5°	1104.8	1093.6	1074.7	1024.9	1008.6	1030.1	1091.0	1286.8	1344.3	1685.9	1734.0
40°	1241.3	1249.0	1246.4	1174.3	1142.5	1165.7	1219.8	1382.0	1426.7	1749.4	1837.9
42.5°	1375.2	1379.5	1368.3	1334.0	1287.6	1289.3	1334.0	1454.2	1499.6	1810.4	1935.7
45°	1475.6	1474.8	1467.0	1458.4	1431.0	1402.6	1410.4	1534.0	1573.5	1830.1	1988.9
47.5°	1507.4	1514.2	1521.1	1545.1	1564.0	1519.4	1479.9	1576.9	1613.0	1826.7	2008.7
50°	1478.2	1492.8	1526.3	1562.3	1626.7	1623.3	1538.3	1623.3	1658.5	1845.6	2031.9
52.5°	1412.9	1427.5	1472.2	1537.4	1634.4	1682.5	1646.4	1701.4	1742.6	1893.7	2079.9
55°	1261.0	1267.0	1358.9	1444.7	1595.8	1656.7	1762.3	1833.6	1867.9	1952.0	2143.5
57.5°	1026.7	1041.3	1131.4	1271.3	1487.6	1588.9	1828.4	2059.3	2058.5	2007.8	2157.2
60°	*675.6*	*718.5*	*865.3*	*1019.8*	*1278.2*	*1455.9*	*1824.1*	*2323.7*	*2350.3*	*1952.9*	*1991.5*
62.5°	515.9	533.9	617.2	746.0	946.0	1206.9	1795.8	2402.7	2423.3	1805.2	1743.4
65°	388.0	410.3	490.2	605.2	667.8	818.1	1610.4	2088.5	2116.8	1611.2	1355.4
67.5°	237.8	255.8	362.2	497.0	505.6	508.2	1086.7	1582.1	1592.4	1299.6	912.5
70°	158.8	176.8	250.7	382.0	402.6	292.7	596.6	1197.5	1196.6	889.3	554.5
72.5°	91.9	100.4	158.8	281.6	316.8	186.3	297.9	761.4	727.9	418.0	259.2
75°	52.4	58.4	87.6	181.1	222.3	118.5	117.6	407.7	360.5	215.5	141.6
77.5°	31.8	34.3	48.1	118.5	133.9	79.8	65.2	189.7	182.8	126.2	74.7
80°	15.5	18.0	29.2	69.5	85.8	42.9	39.5	74.7	79.8	69.5	39.5
82.5°	5.2	6.9	16.3	26.6	55.8	17.2	16.3	41.2	43.8	41.2	18.9
85°	2.6	3.4	7.7	8.6	21.5	8.6	6.0	18.0	22.3	13.7	7.7
87.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7
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°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	527.1	525.3	521.9	515.9	515.0	510.8	503.9	499.6	496.2	498.7	499.6
5°	536.5	532.2	521.9	505.6	488.4	471.3	455.0	436.1	423.2	421.5	418.0
7.5°	553.7	545.1	522.8	491.0	447.2	406.0	358.0	311.6	288.4	285.0	277.3
10°	581.1	566.6	529.6	465.3	381.1	295.3	222.3	172.5	144.2	139.1	140.8
12.5°	613.8	593.2	530.5	421.5	290.1	182.8	126.2	107.3	101.3	98.7	98.7
15°	655.8	625.8	529.6	364.8	195.7	117.6	101.3	93.6	91.0	89.3	89.3
17.5°	709.0	669.6	523.6	279.8	132.2	102.2	92.7	86.7	83.3	82.4	82.4
20°	771.7	718.5	509.9	208.6	110.7	95.3	87.6	79.8	77.3	75.5	75.5
22.5°	851.5	777.7	483.3	162.2	104.7	91.0	82.4	73.8	71.2	69.5	69.5
25°	944.3	853.3	448.1	145.9	103.9	87.6	77.3	68.7	66.1	65.2	64.4
27.5°	1054.1	934.0	415.5	146.8	105.6	85.0	72.1	64.4	61.8	59.2	60.1
30°	1183.8	1017.2	388.9	157.1	107.3	82.4	68.7	61.8	59.2	55.8	55.8
32.5°	1311.7	1115.1	386.3	176.0	113.3	80.7	65.2	58.4	55.8	53.2	53.2
35°	1443.0	1204.4	400.9	200.9	125.3	78.1	60.9	54.9	52.4	50.6	49.8
37.5°	1568.3	1275.6	414.6	216.3	118.5	67.0	55.8	50.6	48.1	44.6	44.6
40°	1651.6	1314.2	417.2	204.3	97.9	60.1	50.6	45.5	42.1	40.3	39.5
42.5°	1712.5	1339.1	388.0	165.7	85.0	54.9	46.4	41.2	38.6	36.9	36.9
45°	1737.4	1330.5	338.2	126.2	78.1	50.6	42.1	37.8	36.1	34.3	34.3
47.5°	1734.0	1291.1	287.6	101.3	71.2	46.4	39.5	36.1	34.3	32.6	31.8
50°	1728.0	1254.1	236.1	90.1	63.5	43.8	36.9	34.3	31.8	30.0	29.2
52.5°	1767.5	1242.1	195.7	82.4	59.2	42.1	36.1	32.6	30.0	28.3	28.3
55°	1807.0	1247.3	153.7	77.3	54.9	41.2	35.2	31.8	29.2	26.6	26.6
57.5°	1804.4	1225.0	116.7	72.1	51.5	40.3	34.3	30.9	26.6	24.9	24.9
60°	*1640.4*	*1092.8*	*91.0*	*66.1*	*47.2*	*37.8*	*31.8*	*29.2*	*24.9*	*22.3*	*22.3*
62.5°	1387.2	859.3	74.7	58.4	42.1	34.3	29.2	26.6	22.3	18.0	18.0
65°	1024.9	619.8	60.1	50.6	38.6	30.0	26.6	23.2	18.0	14.6	13.7
67.5°	693.6	381.1	48.1	42.1	34.3	25.8	22.3	19.7	16.3	12.0	11.2
70°	411.2	202.6	35.2	29.2	25.8	18.9	18.9	17.2	13.7	10.3	9.4
72.5°	195.7	70.4	25.8	21.5	19.7	13.7	14.6	14.6	11.2	7.7	6.9
75°	99.6	34.3	17.2	15.5	12.9	10.3	12.0	11.2	7.7	5.2	5.2
77.5°	56.7	24.0	12.0	10.3	8.6	6.9	7.7	6.9	4.3	2.6	2.6
80°	31.8	17.2	7.7	6.9	5.2	4.3	4.3	3.4	2.6	0.9	0.9
82.5°	12.0	10.3	5.2	3.4	2.6	2.6	1.7	1.7	0.9	0.0	0.0
85°	5.2	2.6	2.6	1.7	1.7	0.9	0.9	0.9	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	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°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	492.7	494.4	496.2	503.0	504.7	509.9	514.2	519.3	520.2	527.1	527.1
5°	424.9	424.1	438.6	460.1	473.8	492.7	507.3	522.8	531.4	542.5	547.7
7.5°	281.6	303.0	335.6	373.4	422.3	467.8	502.2	532.2	552.8	565.7	570.8
10°	139.9	151.9	186.3	248.1	331.3	424.1	497.0	552.8	586.3	600.9	610.3
12.5°	98.7	101.3	107.3	140.8	220.6	351.9	480.7	575.1	621.5	649.0	661.0
15°	88.4	90.1	92.7	102.2	136.5	262.7	451.5	600.0	676.4	708.2	723.6
17.5°	81.5	82.4	85.0	92.7	107.3	178.5	404.3	626.6	742.5	781.2	810.3
20°	75.5	75.5	78.1	87.6	99.6	137.3	336.5	656.7	826.7	882.4	911.6
22.5°	68.7	70.4	72.1	82.4	97.0	125.3	273.0	679.9	920.2	988.0	1022.4
25°	63.5	65.2	67.0	77.3	94.4	125.3	236.1	694.5	1024.9	1105.6	1152.8
27.5°	59.2	60.9	63.5	73.8	91.9	130.5	221.5	698.7	1139.1	1243.8	1307.4
30°	55.8	57.5	60.1	71.2	93.6	136.5	226.6	692.7	1255.0	1386.3	1461.9
32.5°	52.4	54.1	56.7	68.7	93.6	144.2	243.8	680.7	1367.5	1528.8	1621.5
35°	49.8	50.6	51.5	61.8	85.0	143.4	265.2	668.7	1480.8	1669.6	1777.8
37.5°	44.6	45.5	47.2	53.2	67.8	130.5	269.5	654.1	1570.0	1788.1	1907.4
40°	39.5	41.2	42.9	48.9	56.7	105.6	250.7	623.2	1617.2	1879.1	2024.1
42.5°	36.1	36.9	38.6	44.6	52.4	84.1	210.3	569.1	1659.3	1940.9	2109.1
45°	33.5	34.3	36.1	40.3	48.9	73.0	165.7	503.0	1662.7	1960.6	2150.3
47.5°	30.9	31.8	32.6	36.9	47.2	65.2	127.0	442.9	1661.9	1986.4	2185.5
50°	29.2	30.0	31.8	35.2	44.6	58.4	104.7	394.0	1697.9	2042.2	2256.8
52.5°	28.3	28.3	30.9	34.3	42.1	53.2	87.6	350.2	1716.8	2097.1	2308.3
55°	26.6	27.5	29.2	32.6	39.5	50.6	74.7	295.3	1725.4	2124.6	2317.7
57.5°	24.9	25.8	28.3	30.9	37.8	48.1	64.4	220.6	1602.7	1981.2	2159.8
60°	*22.3*	*24.0*	*27.5*	*30.0*	*35.2*	*43.8*	*56.7*	*149.4*	*1352.0*	*1722.0*	*1871.3*
62.5°	18.0	21.5	24.9	26.6	31.8	36.9	48.1	99.6	1079.9	1425.0	1594.9
65°	13.7	18.0	20.6	23.2	26.6	30.9	40.3	67.8	720.2	958.8	1150.3
67.5°	12.0	15.5	17.2	18.9	22.3	26.6	32.6	47.2	436.9	576.0	764.8
70°	9.4	12.9	14.6	13.7	17.2	20.6	23.2	31.8	223.2	312.5	435.2
72.5°	6.9	10.3	11.2	11.2	10.3	14.6	17.2	22.3	97.0	151.9	197.4
75°	5.2	6.9	7.7	6.9	6.0	9.4	12.0	14.6	63.5	91.0	115.0
77.5°	2.6	2.6	4.3	4.3	2.6	5.2	6.0	8.6	36.1	53.2	66.1
80°	0.9	0.0	0.0	0.9	0.0	1.7	2.6	4.3	18.9	28.3	41.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	9.4	8.6	21.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.2
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: P1501757
CATALOG NUMBER: GSS-SB1A-727-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	525.3	*525.3*	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	531.4	*531.4*	534.8	539.9	542.5	544.2	545.1	546.8	553.7	552.0
5°	553.7	*555.4*	558.0	563.1	569.1	567.4	567.4	567.4	571.7	568.3
7.5°	582.9	*588.0*	588.9	594.9	590.6	582.0	576.9	569.1	568.3	568.3
10°	630.1	*628.4*	628.4	620.6	605.2	580.3	558.0	542.5	533.9	534.8
12.5°	680.7	*673.9*	674.7	646.4	602.6	547.7	502.2	468.7	466.1	463.5
15°	743.4	*725.4*	721.9	656.7	564.0	479.9	435.2	408.6	400.0	397.4
17.5°	832.7	*787.2*	770.9	638.7	513.3	437.8	404.3	392.3	391.4	390.6
20°	927.1	*837.0*	806.0	612.0	496.2	438.6	413.8	410.3	408.6	409.5
22.5°	1037.0	*868.7*	829.2	616.3	511.6	467.0	447.2	444.7	442.9	444.7
25°	1150.3	*905.6*	856.7	650.7	558.0	519.3	496.2	491.0	496.2	503.9
27.5°	1264.4	*955.4*	910.8	718.5	632.6	590.6	568.3	587.2	594.9	595.7
30°	1365.7	*1024.9*	983.7	813.8	717.6	675.6	679.9	703.9	713.3	722.8
32.5°	1458.4	*1117.7*	1085.9	921.9	827.5	802.6	800.0	818.1	828.4	822.4
35°	1552.0	*1238.7*	1207.8	1039.5	962.3	941.7	920.2	955.4	952.0	942.5
37.5°	1640.4	*1360.6*	1332.3	1165.7	1085.9	1049.8	1046.4	1078.2	1106.5	1104.8
40°	1703.9	*1459.3*	1425.0	1291.1	1215.5	1184.6	1202.6	1257.6	1250.7	1241.3
42.5°	1762.3	*1543.4*	1512.5	1400.9	1322.0	1335.7	1352.0	1388.9	1384.6	1375.2
45°	1789.8	*1615.5*	1588.9	1484.2	1445.6	1489.3	1488.5	1502.2	1479.0	1475.6
47.5°	1828.4	*1667.0*	1639.6	1558.9	1593.2	1611.2	1560.6	1546.0	1524.5	1507.4
50°	1899.7	*1746.9*	1719.4	1672.2	1701.4	1645.6	1583.8	1552.0	1508.2	1478.2
52.5°	1982.9	*1867.9*	1843.9	1825.0	1743.4	1628.4	1549.4	1491.9	1438.7	1412.9
55°	2087.7	*2046.5*	2029.3	1925.4	1705.7	1558.0	1465.3	1358.0	1285.0	1261.0
57.5°	2122.0	*2308.3*	2302.3	1941.7	1600.1	1430.1	1262.7	1117.7	1042.1	1026.7
60°	*2020.7*	*2513.4*	*2492.0*	*1914.3*	*1408.7*	*1160.6*	*964.9*	*816.4*	*693.6*	*675.6*
62.5°	1891.1	*2356.3*	2348.6	1776.1	1073.0	831.8	721.1	582.0	529.6	515.9
65°	1619.8	*1928.0*	1931.4	1425.0	679.0	597.5	592.3	462.7	398.3	388.0
67.5°	1247.3	*1479.0*	1455.0	896.2	395.7	478.1	473.0	338.2	244.6	237.8
70°	728.8	*1101.3*	1062.7	466.1	261.8	399.2	364.0	237.8	166.5	158.8
72.5°	321.9	*606.0*	650.7	205.2	184.6	317.6	262.7	145.9	93.6	91.9
75°	178.5	*300.4*	314.2	89.3	129.6	225.8	158.8	81.5	53.2	52.4
77.5°	107.3	*133.1*	129.6	57.5	97.0	144.2	96.1	46.4	33.5	31.8
80°	60.1	*60.9*	51.5	42.1	57.5	80.7	54.1	29.2	15.5	15.5
82.5°	36.9	*33.5*	26.6	12.9	15.5	48.9	19.7	16.3	5.2	5.2
85°	15.5	*10.3*	6.9	2.6	6.0	12.9	6.9	7.7	2.6	2.6
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

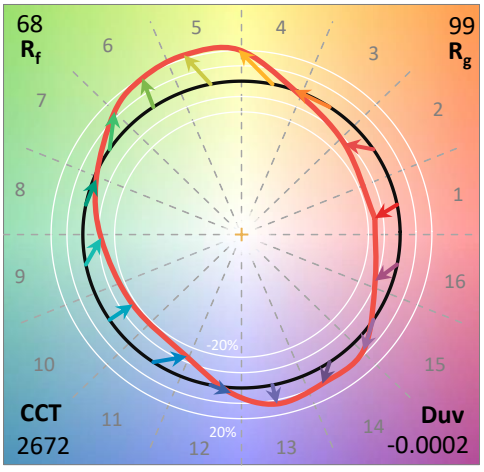
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

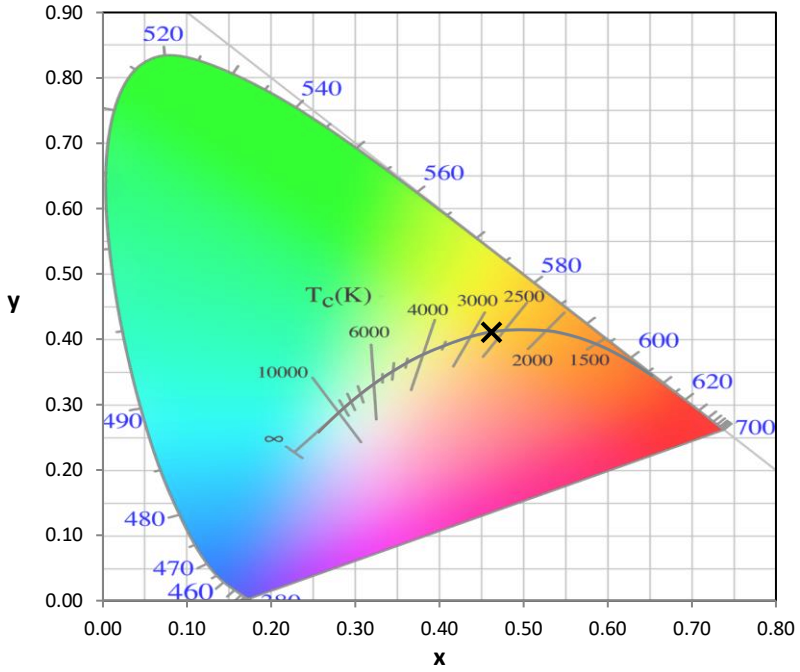
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

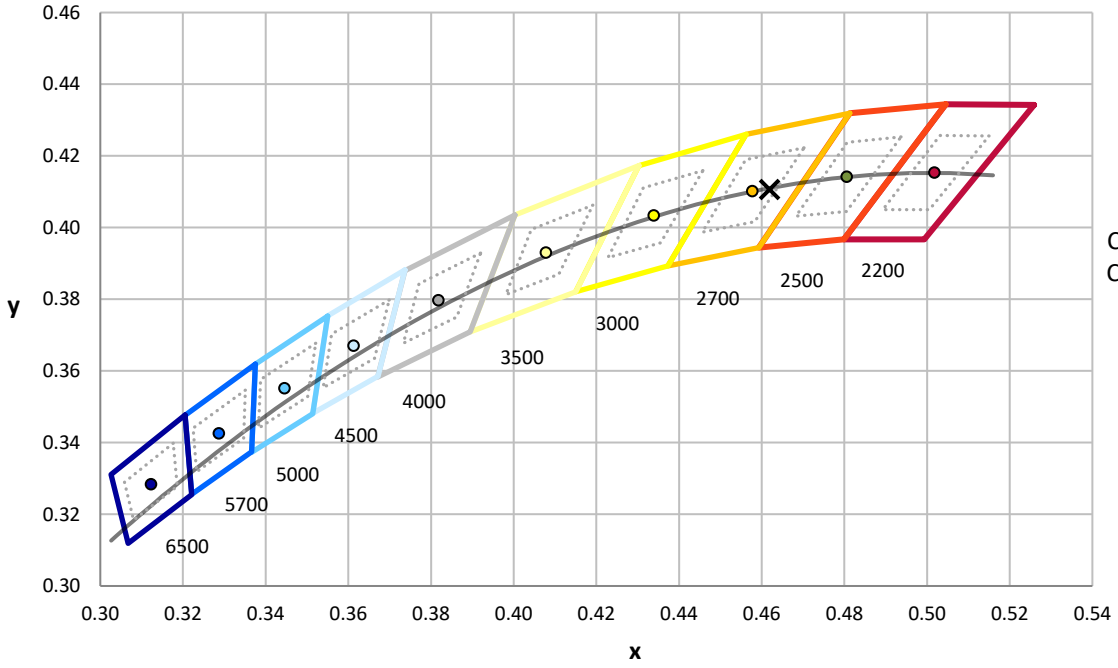
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

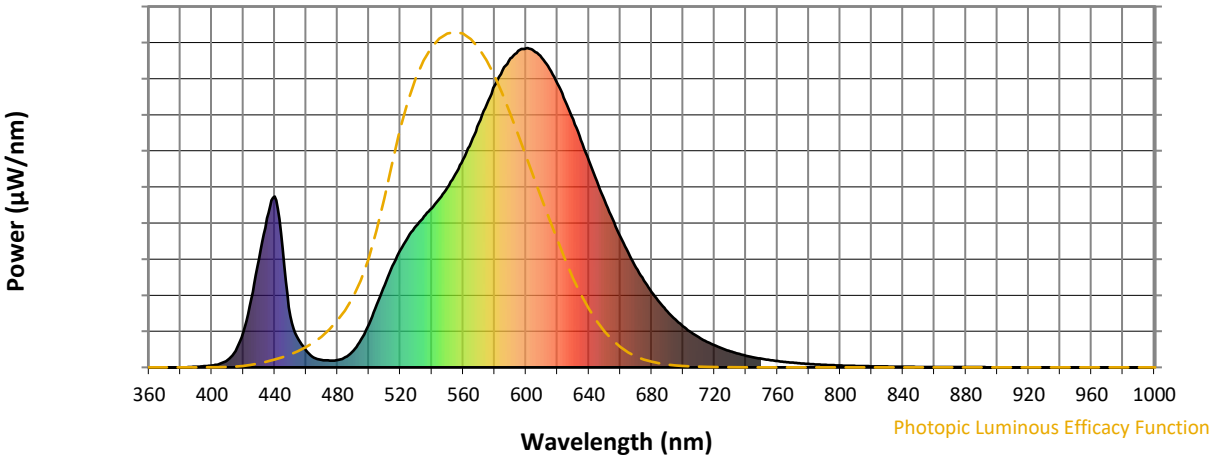


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

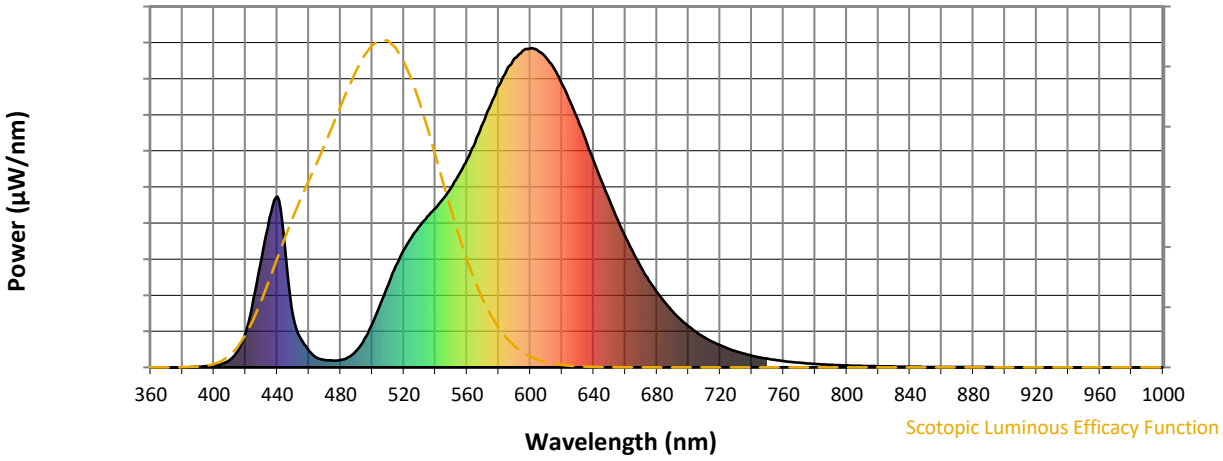


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

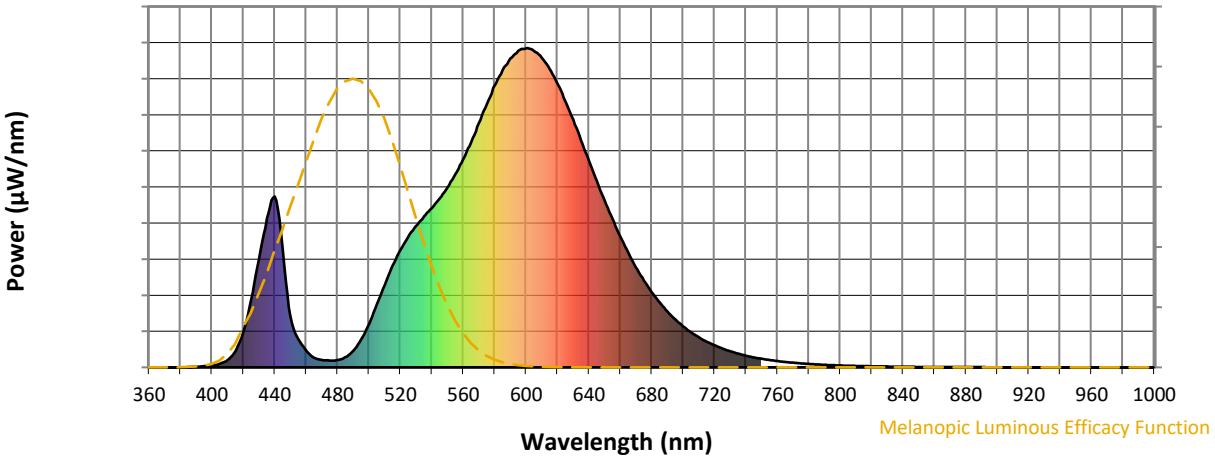


Scotopic Lumens: NR **S/P: 1.02**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

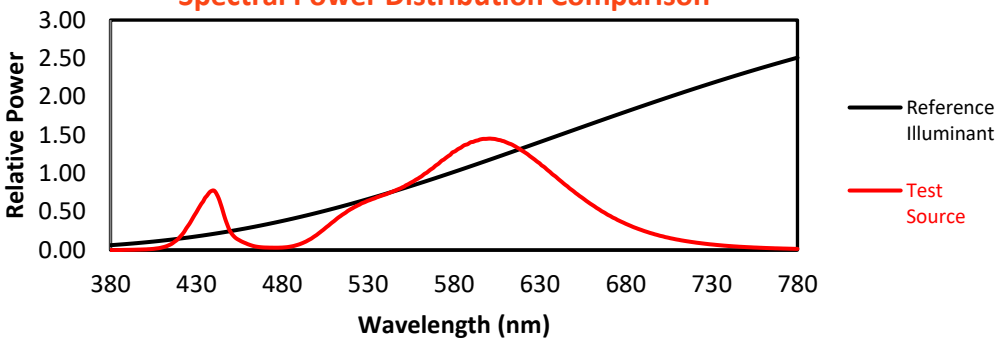
REPORT NUMBER: SP1-2407-184-3

TM-30-18

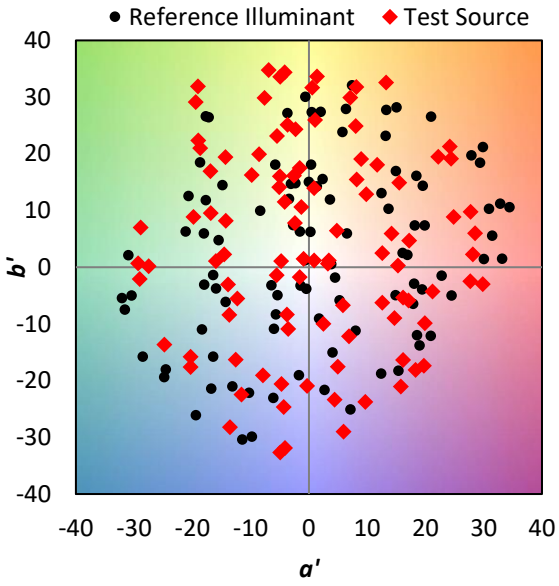
Summary

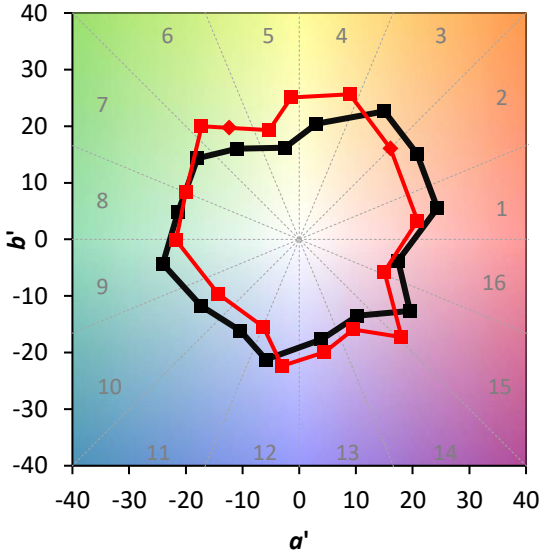
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

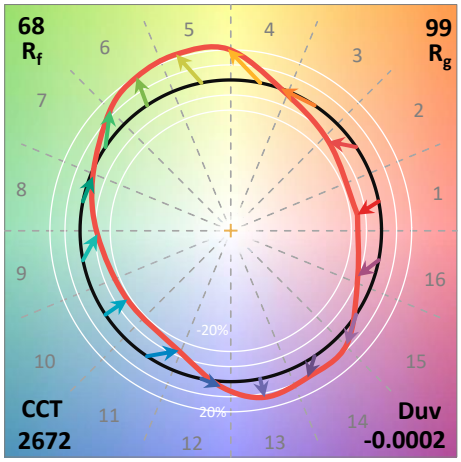
Spectral Power Distribution Comparison

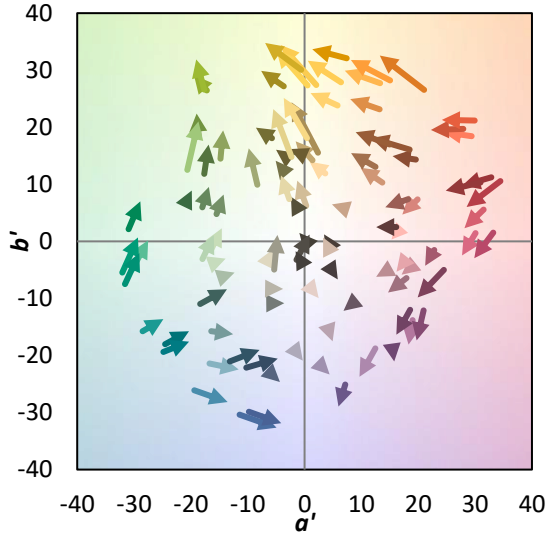


Color Vector Graphics







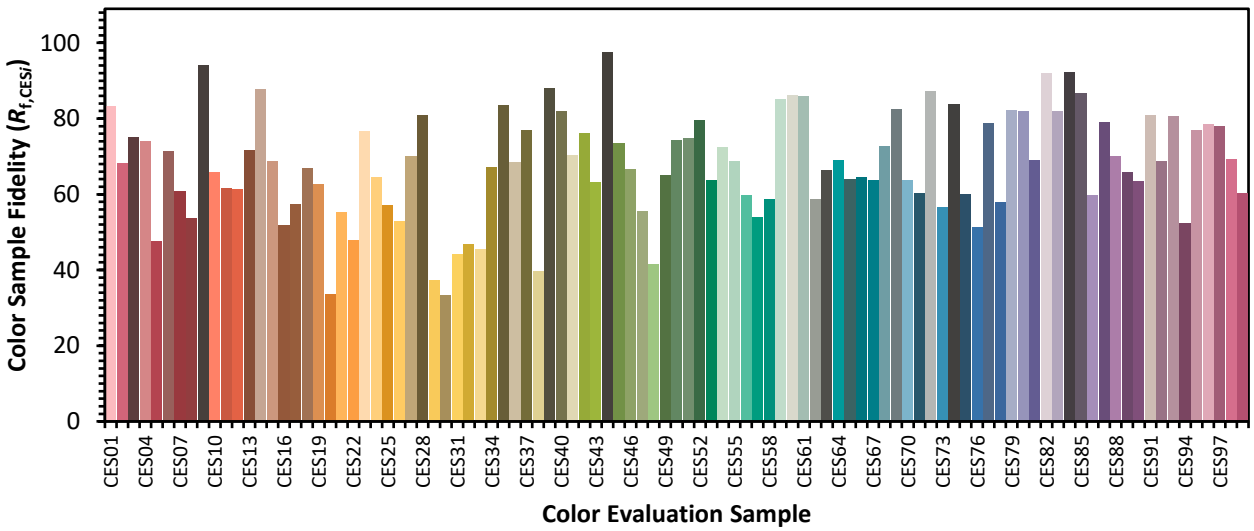


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

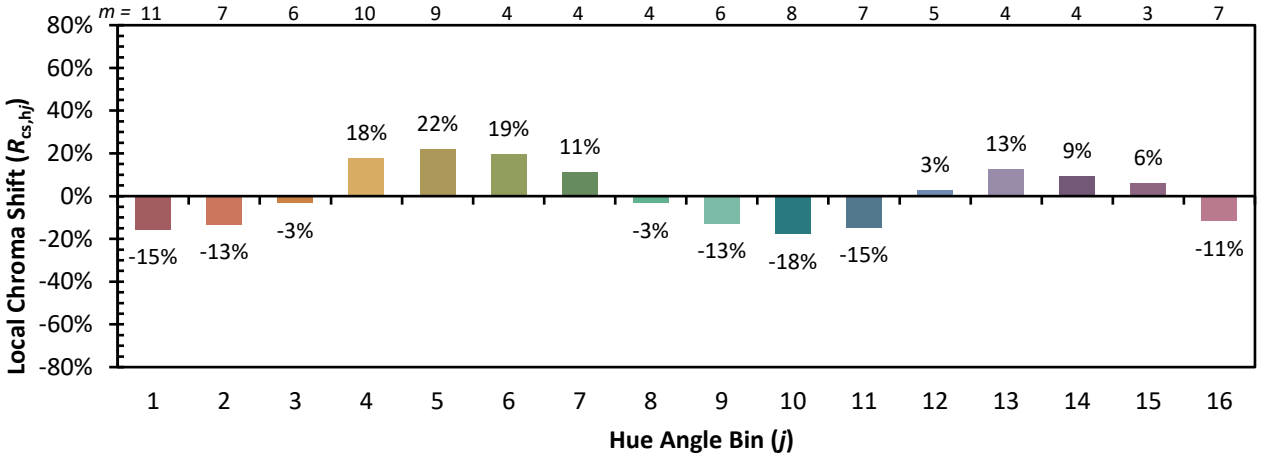
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

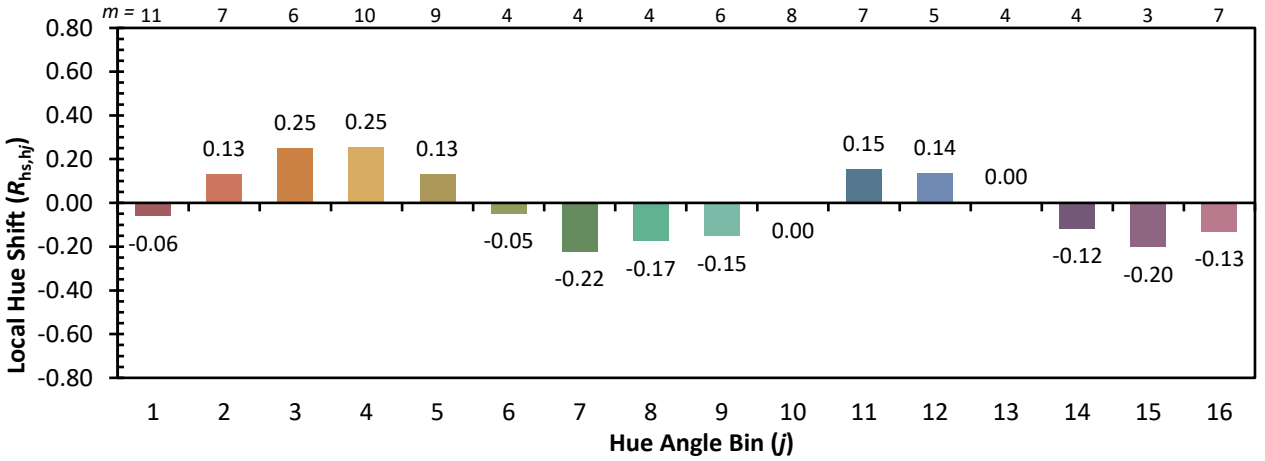


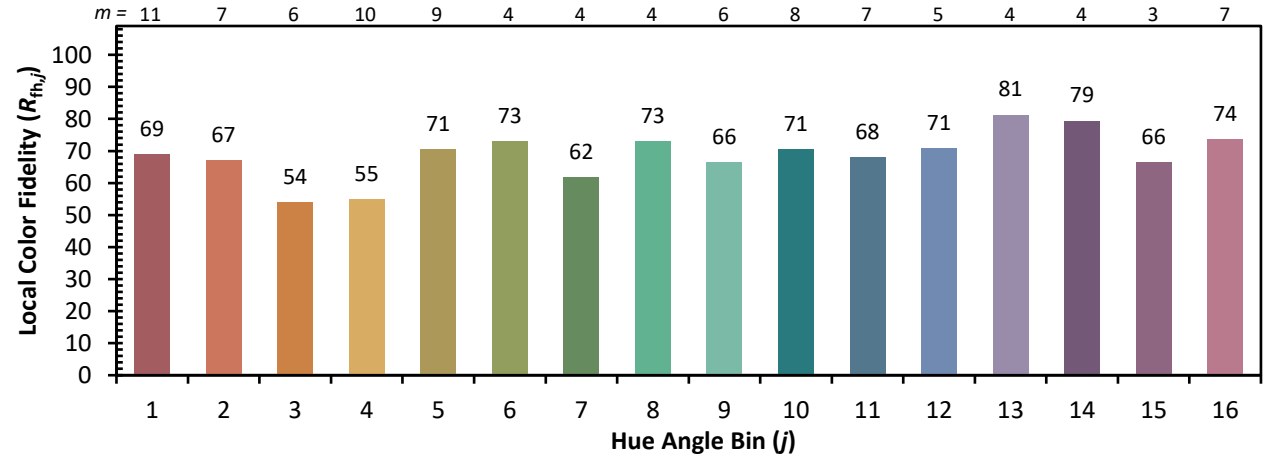
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Color Rendition by Hue-Angle Bin



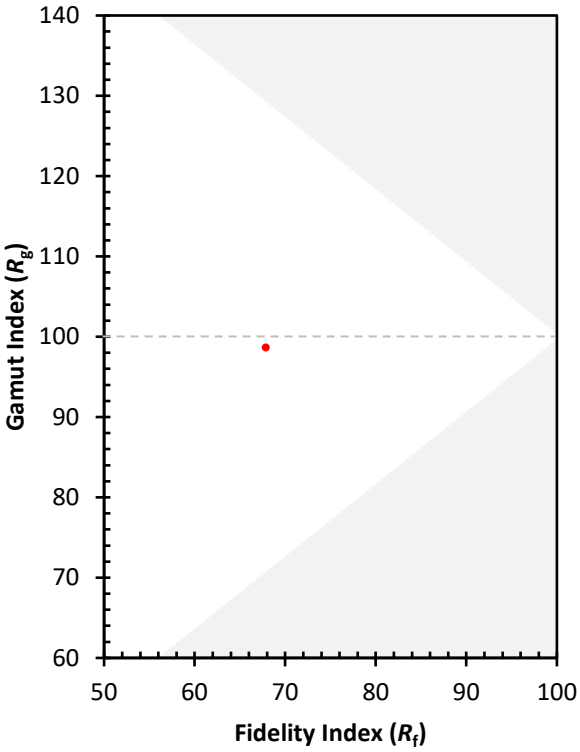


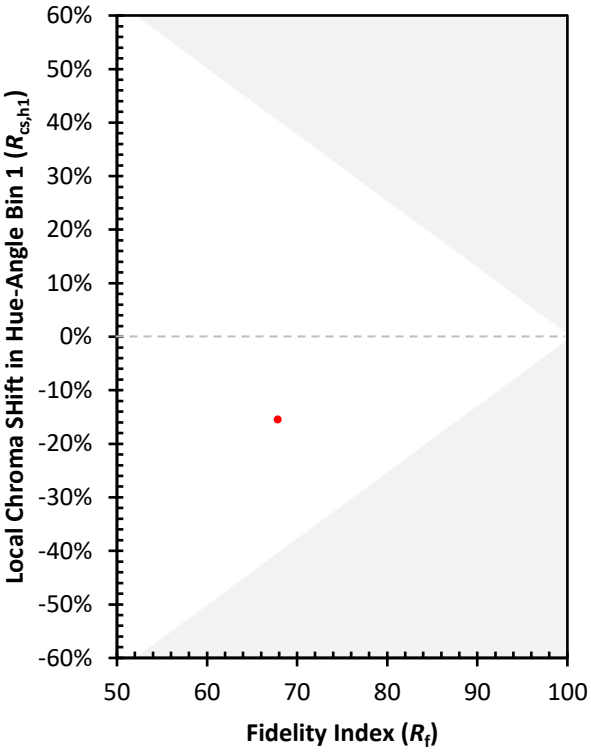


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Measure Comparisons





(END OF REPORT)