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: P1501350

Luminaire Tested: GSS-SB1B-722-U-T2LG

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:	P1501350
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4225.1 lumens
Efficiency:	N/A
Efficacy:	105.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

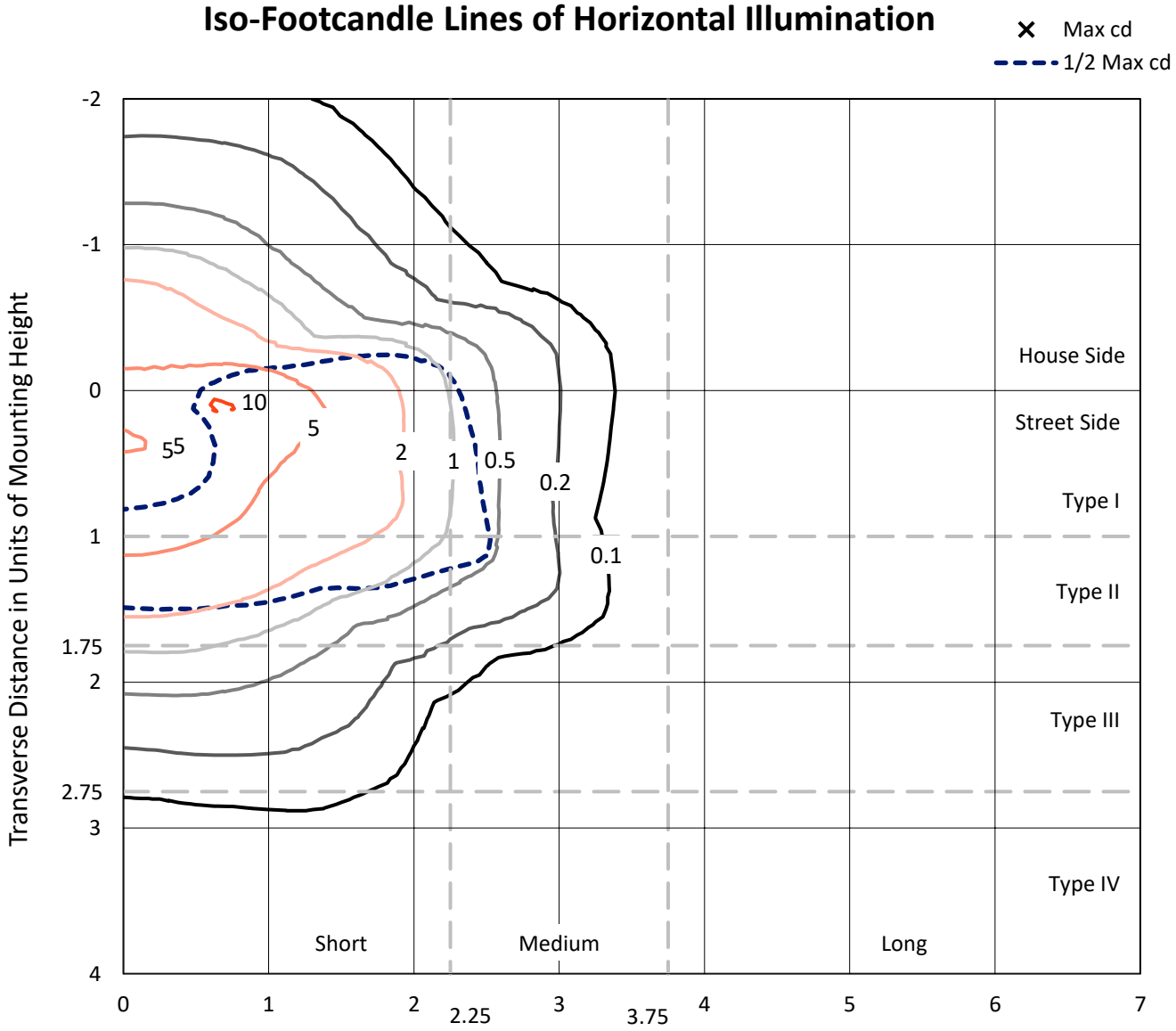
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



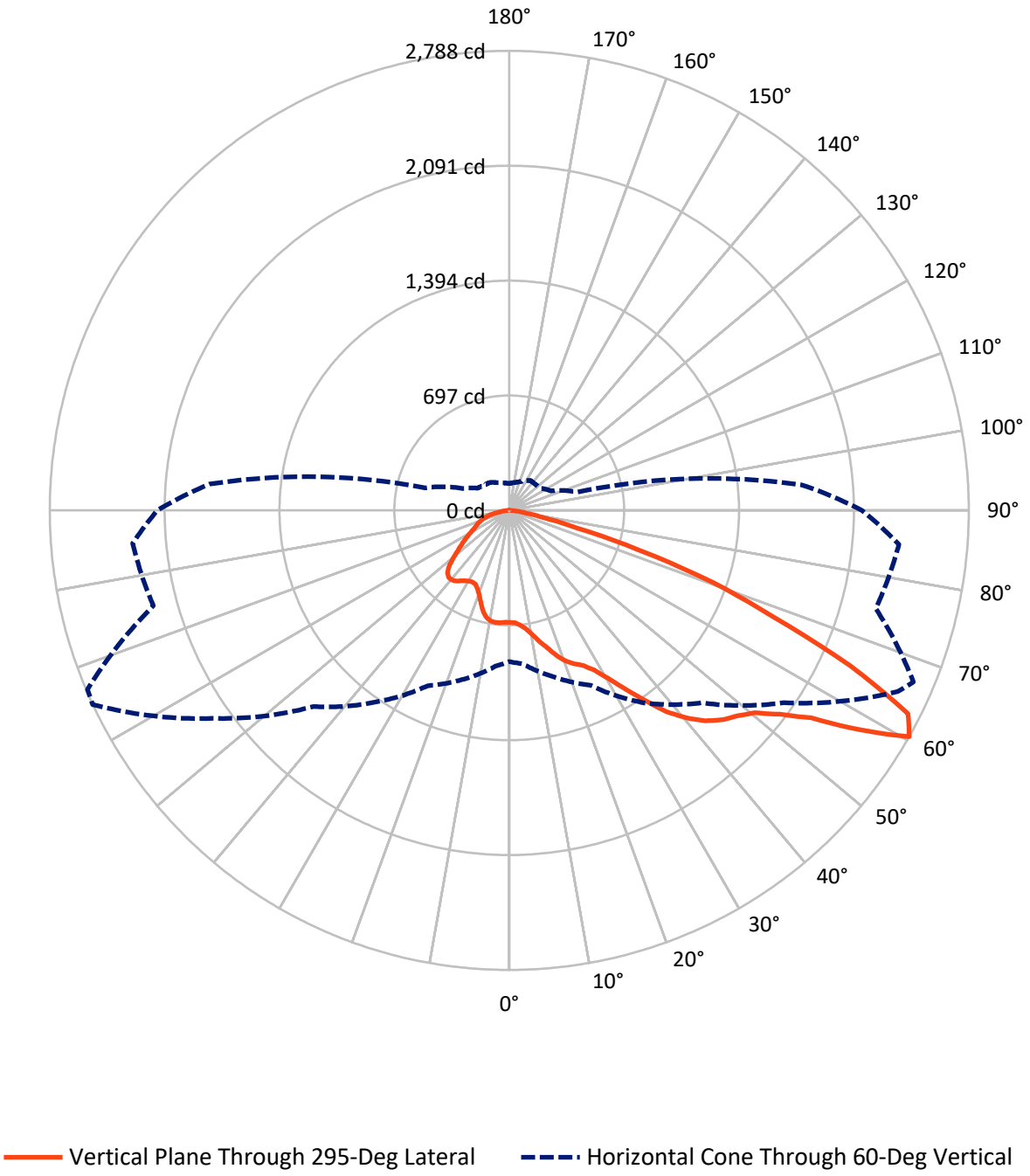
Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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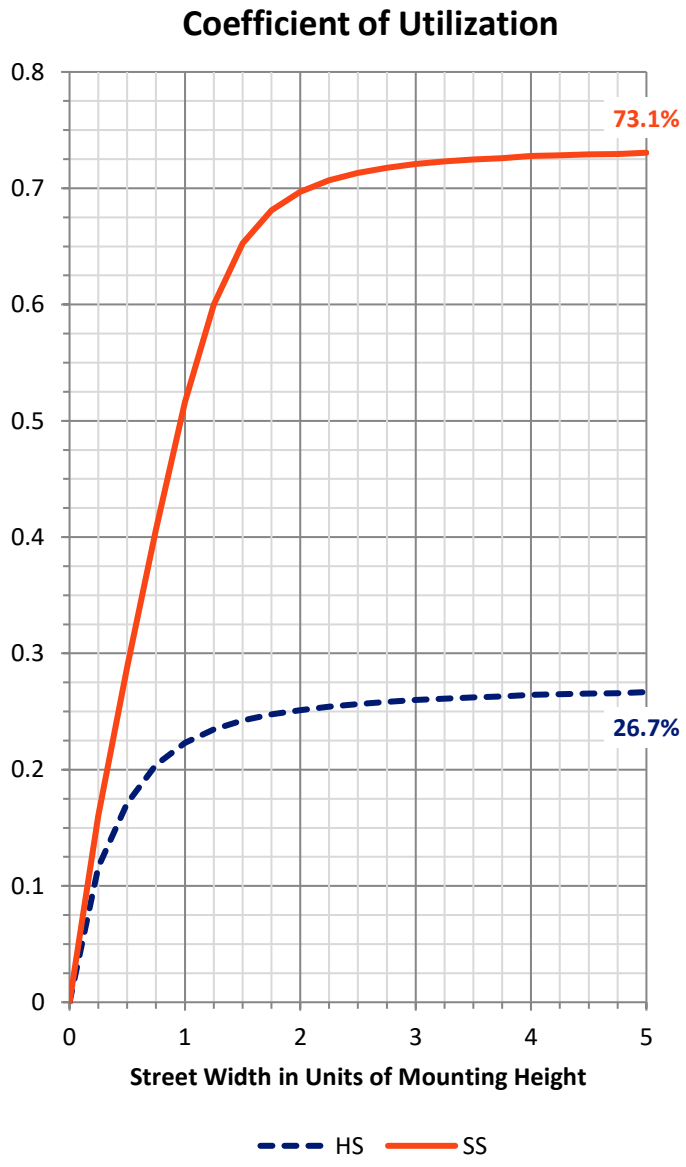
REPORT NUMBER: P1501350
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1136.2	0.0	1136.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3088.9	0.0	3088.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	4225.1	0.0	4225.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.5
10°-20°	183.7	4.3
20°-30°	348.0	8.2
30°-40°	613.6	14.5
40°-50°	907.4	21.5
50°-60°	1065.5	25.2
60°-70°	772.0	18.3
70°-80°	238.1	5.6
80°-90°	32.8	0.8
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°	4225.1	100.0
0°-180°	4225.1	100.0



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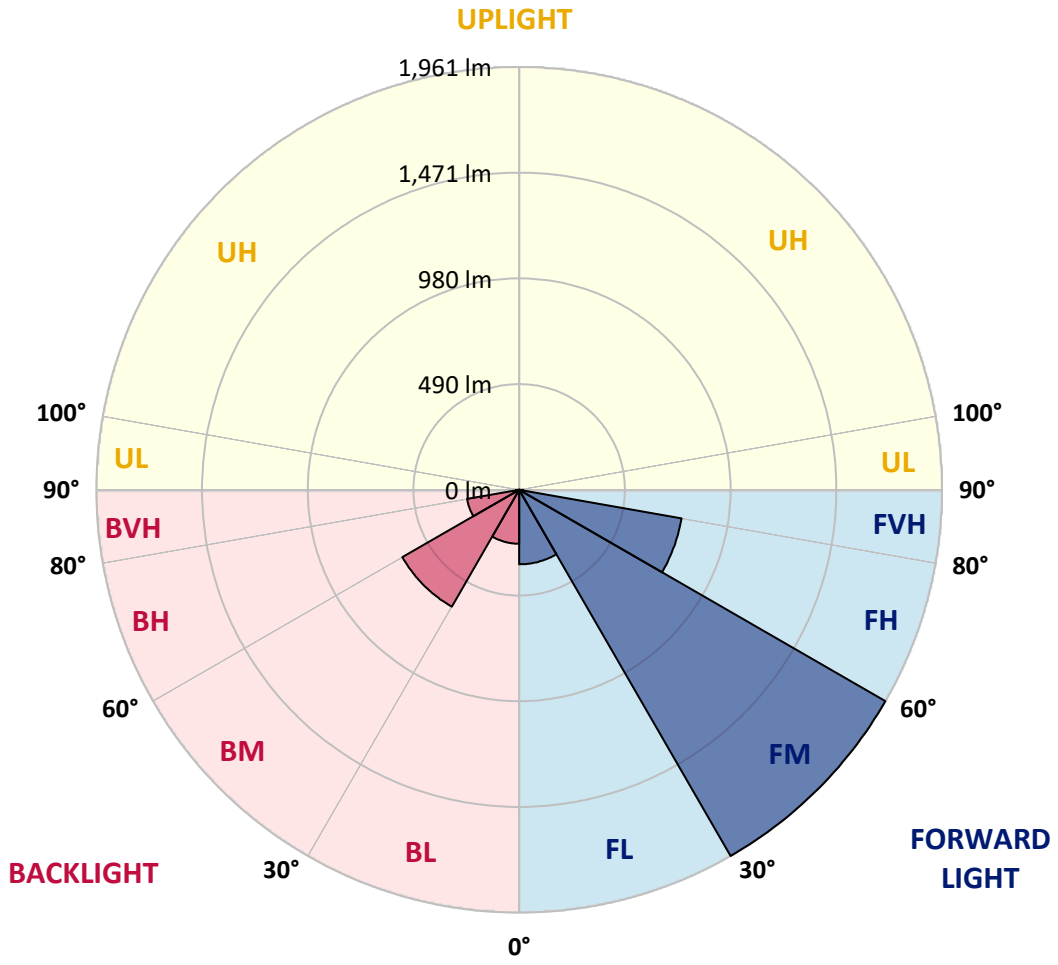
Scaled Data Report

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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°)	345.5	8.2			
FM	(30°-60°)	1960.9	46.4			
FH	(60°-80°)	764.9	18.1			G1/1800
FVH	(80°-90°)	17.7	0.4			G1/100
BL	(0°-30°)	250.2	5.9	B1/500		
BM	(30°-60°)	625.6	14.8	B1/1000		
BH	(60°-80°)	245.2	5.8	B1/500		G1/500
BVH	(80°-90°)	15.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	693.3	695.2	692.3	694.2	694.2	691.4	690.4	686.5	688.5	687.5	686.5
5°	709.6	710.6	708.7	711.6	711.6	712.5	711.6	706.8	706.8	706.8	704.8
7.5°	704.8	704.8	705.8	715.4	725.1	737.6	737.6	735.6	737.6	736.6	727.9
10°	664.4	668.2	676.9	701.0	724.1	751.1	769.3	775.1	775.1	776.1	761.6
12.5°	592.2	595.1	615.3	651.9	700.0	749.1	793.4	822.3	825.2	830.0	810.7
15°	527.7	529.6	544.0	581.6	636.5	723.1	806.9	866.6	876.2	896.4	867.6
17.5°	533.4	532.5	536.3	550.8	590.2	680.8	804.0	918.6	935.9	971.6	946.5
20°	568.1	568.1	571.0	573.9	588.3	649.9	782.8	961.0	994.7	1064.0	1035.1
22.5°	623.0	623.0	622.0	626.8	626.8	663.4	783.8	992.7	1042.8	1167.0	1139.1
25°	699.1	695.2	695.2	697.1	688.5	714.5	807.9	1025.5	1090.9	1289.3	1265.2
27.5°	784.8	787.6	785.7	779.0	767.4	787.6	865.6	1076.5	1144.9	1418.3	1408.7
30°	878.2	879.1	881.0	877.2	867.6	882.0	956.1	1153.5	1216.1	1553.1	1574.3
32.5°	969.6	983.1	978.3	968.7	972.5	998.5	1067.8	1257.5	1322.0	1678.3	1753.4
35°	1086.1	1090.9	1110.2	1074.6	1075.5	1119.8	1210.3	1394.3	1456.8	1808.3	1932.5
37.5°	1255.6	1264.3	1255.6	1199.8	1191.1	1252.7	1349.0	1529.1	1574.3	1906.5	2099.1
40°	1422.2	1432.8	1447.2	1381.7	1326.9	1377.9	1480.0	1632.1	1679.3	1960.4	2209.8
42.5°	1559.9	1577.2	1561.8	1542.5	1492.5	1502.1	1571.4	1712.0	1759.2	2028.8	2321.5
45°	1676.4	1679.3	1686.0	1672.5	1647.5	1638.8	1649.4	1782.3	1834.3	2059.6	2376.4
47.5°	1724.5	1737.0	1742.8	1765.9	1791.9	1774.6	1715.9	1815.0	1862.2	2057.7	2393.7
50°	1698.5	1711.0	1741.9	1796.7	1859.3	1890.1	1793.9	1860.3	1913.3	2092.4	2429.4
52.5°	1630.2	1643.6	1693.7	1756.3	1861.3	1931.5	1903.6	1954.7	2005.7	2154.0	2489.1
55°	1464.5	1484.8	1555.1	1659.1	1803.5	1909.4	2019.2	2093.3	2149.2	2228.1	2550.7
57.5°	1223.8	1245.0	1324.0	1480.0	1696.6	1817.9	2052.9	2353.3	2378.3	2316.7	2556.5
60°	*916.7*	*934.0*	*1045.7*	*1170.9*	*1425.1*	*1650.4*	*2033.6*	*2599.8*	*2663.3*	*2301.3*	*2372.6*
62.5°	726.0	747.2	846.4	904.1	1086.1	1363.4	1966.2	2668.2	2723.0	2174.2	2116.4
65°	567.1	581.6	674.0	756.8	801.1	931.1	1685.1	2334.0	2383.1	1967.2	1746.7
67.5°	374.6	396.7	506.5	620.1	643.2	592.2	1159.3	1795.8	1818.9	1563.7	1313.4
70°	268.6	279.2	361.1	482.4	517.1	396.7	631.7	1359.6	1366.3	1049.5	884.9
72.5°	182.9	184.9	245.5	369.7	412.1	287.9	347.6	895.5	872.4	518.0	506.5
75°	124.2	126.1	157.0	246.5	291.8	200.3	226.3	488.2	468.9	286.0	307.2
77.5°	83.8	85.7	107.8	165.6	194.5	138.7	165.6	258.1	253.2	189.7	164.7
80°	63.6	66.4	79.9	105.9	135.8	80.9	94.4	122.3	124.2	101.1	83.8
82.5°	35.6	39.5	48.1	53.9	87.6	45.3	45.3	73.2	70.3	62.6	45.3
85°	15.4	16.4	19.3	20.2	35.6	19.3	16.4	31.8	32.7	30.8	14.4
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9
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°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	681.7	687.5	681.7	678.8	678.8	674.0	672.1	672.1	665.4	668.2	666.3
5°	697.1	699.1	692.3	683.6	672.1	662.5	649.0	631.7	621.1	620.1	621.1
7.5°	721.2	722.2	703.9	684.6	655.7	621.1	579.7	546.0	516.1	511.3	517.1
10°	754.9	753.0	726.0	680.8	620.1	546.9	483.4	452.6	435.2	434.3	433.3
12.5°	800.2	787.6	746.2	664.4	558.5	473.7	441.0	439.1	443.9	447.7	448.7
15°	852.2	835.8	762.6	632.6	495.9	446.8	448.7	465.1	470.9	474.7	474.7
17.5°	916.7	895.5	780.9	587.4	464.1	452.6	466.0	481.4	491.1	494.9	494.0
20°	1002.4	958.1	795.3	544.0	455.4	462.2	473.7	489.1	498.8	503.6	503.6
22.5°	1088.1	1033.2	798.2	514.2	455.4	463.1	473.7	489.1	499.7	504.6	503.6
25°	1204.6	1129.5	799.2	493.0	456.4	458.3	468.0	481.4	496.8	501.7	503.6
27.5°	1328.8	1235.4	804.0	488.2	452.6	451.6	458.3	470.9	486.3	498.8	499.7
30°	1482.8	1354.8	805.9	493.0	453.5	441.0	445.8	458.3	474.7	487.2	491.1
32.5°	1634.0	1465.5	802.1	503.6	455.4	434.3	435.2	442.9	460.3	468.9	475.7
35°	1793.9	1583.0	795.3	518.0	456.4	431.4	422.7	426.6	438.1	439.1	442.0
37.5°	1919.0	1670.6	775.1	537.3	458.3	420.8	403.4	400.6	395.7	386.1	388.0
40°	2022.1	1729.3	741.4	546.9	453.5	408.3	379.4	365.9	347.6	333.2	336.0
42.5°	2096.2	1768.8	701.0	548.8	445.8	387.1	351.5	328.3	308.1	292.7	293.7
45°	2128.9	1765.0	657.7	534.4	427.5	361.1	325.5	303.3	281.2	264.8	262.9
47.5°	2129.9	1727.4	598.0	499.7	396.7	331.2	301.4	277.3	259.0	247.5	246.5
50°	2137.6	1706.2	542.1	449.7	356.3	299.5	280.2	256.1	245.5	229.2	224.4
52.5°	2185.8	1740.9	503.6	394.8	318.7	276.3	261.9	240.7	223.4	212.8	211.8
55°	2263.7	1800.6	482.4	353.4	283.1	254.2	244.6	226.3	210.9	200.3	197.4
57.5°	2273.4	1831.4	457.4	314.9	254.2	236.9	233.0	212.8	190.7	182.9	180.1
60°	*2138.6*	*1779.4*	*426.6*	*279.2*	*233.0*	*223.4*	*221.5*	*194.5*	*176.2*	*166.6*	*162.7*
62.5°	1954.7	1649.4	379.4	246.5	216.6	209.9	202.2	181.0	157.9	147.3	144.4
65°	1597.4	1386.6	322.6	224.4	200.3	192.6	190.7	161.8	146.4	140.6	139.6
67.5°	1210.3	1114.1	284.1	208.0	182.9	180.1	173.3	163.7	157.0	150.2	148.3
70°	856.0	804.0	241.7	186.8	165.6	160.8	188.7	178.1	154.1	145.4	144.4
72.5°	519.0	504.6	208.9	167.5	142.5	150.2	174.3	160.8	138.7	128.1	124.2
75°	327.4	299.5	175.2	142.5	113.6	122.3	152.1	143.5	119.4	108.8	105.9
77.5°	178.1	165.6	131.9	116.5	89.5	99.2	132.9	118.4	95.3	104.0	92.4
80°	78.0	86.7	87.6	67.4	59.7	73.2	95.3	92.4	73.2	74.1	61.6
82.5°	37.6	49.1	56.8	46.2	33.7	43.3	63.6	53.0	49.1	46.2	44.3
85°	11.6	18.3	25.0	22.1	15.4	18.3	29.8	28.9	34.7	29.8	27.9
87.5°	3.9	3.9	2.9	2.9	2.9	3.9	4.8	2.9	1.0	1.0	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°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	665.4	666.3	666.3	667.3	667.3	670.2	674.0	677.9	675.0	678.8	679.8
5°	619.1	624.0	627.8	642.2	653.8	663.4	674.0	683.6	686.5	688.5	693.3
7.5°	510.3	523.8	548.8	581.6	618.2	653.8	677.9	702.9	706.8	711.6	718.3
10°	434.3	440.0	457.4	491.1	556.5	626.8	685.6	725.1	741.4	751.1	757.8
12.5°	446.8	442.9	440.0	444.9	487.2	577.7	680.8	756.8	787.6	798.2	806.9
15°	476.6	472.8	462.2	448.7	453.5	525.7	664.4	786.7	835.8	853.1	871.4
17.5°	494.0	490.1	481.4	467.0	454.5	482.4	633.6	813.6	911.9	933.0	959.0
20°	503.6	499.7	491.1	476.6	462.2	466.0	594.1	847.3	998.5	1032.2	1070.7
22.5°	505.5	500.7	491.1	476.6	468.0	465.1	556.5	867.6	1091.9	1143.9	1188.2
25°	504.6	495.9	483.4	472.8	468.0	467.0	530.6	879.1	1193.0	1275.8	1325.9
27.5°	497.8	487.2	474.7	467.0	465.1	470.9	519.0	892.6	1311.5	1417.4	1497.3
30°	490.1	474.7	459.3	456.4	461.2	479.5	528.6	897.4	1435.7	1571.4	1653.3
32.5°	469.9	458.3	442.9	442.0	453.5	486.3	550.8	890.7	1545.4	1725.5	1828.5
35°	441.0	434.3	425.6	428.5	446.8	492.0	566.2	869.5	1645.6	1869.0	1989.3
37.5°	390.0	394.8	399.6	406.3	429.4	491.1	572.9	835.8	1728.4	1983.5	2137.6
40°	333.2	349.5	364.9	382.3	413.1	483.4	574.8	794.4	1776.5	2070.2	2269.5
42.5°	297.5	312.9	332.2	357.2	390.9	466.0	572.9	748.2	1791.9	2129.9	2353.3
45°	264.8	283.1	307.2	333.2	371.7	441.0	555.6	698.1	1799.6	2157.8	2388.9
47.5°	247.5	258.1	280.2	306.2	346.6	410.2	521.9	661.5	1788.1	2163.6	2432.2
50°	227.2	241.7	256.1	281.2	320.6	371.7	481.4	640.3	1807.3	2220.4	2500.6
52.5°	211.8	219.5	234.9	258.1	286.9	336.0	442.9	623.0	1860.3	2278.2	2571.9
55°	200.3	208.9	218.6	237.8	260.0	300.4	403.4	597.0	1921.9	2339.8	2643.1
57.5°	182.0	187.8	201.2	221.5	235.9	265.8	357.2	566.2	1917.1	2291.7	2519.9
60°	*165.6*	*171.4*	*185.8*	*206.1*	*214.7*	*234.9*	*312.0*	*526.7*	*1824.7*	*2134.7*	*2292.6*
62.5°	147.3	154.1	171.4	185.8	193.5	208.9	264.8	454.5	1632.1	1898.8	2026.9
65°	139.6	143.5	155.0	172.4	171.4	185.8	223.4	357.2	1313.4	1451.1	1567.6
67.5°	148.3	154.1	152.1	157.0	154.1	161.8	200.3	286.9	1032.2	1092.9	1160.3
70°	146.4	159.8	166.6	157.0	134.8	143.5	173.3	229.2	738.5	732.8	729.9
72.5°	128.1	141.5	160.8	170.4	131.9	119.4	150.2	198.4	473.7	471.8	426.6
75°	108.8	118.4	141.5	154.1	113.6	96.3	129.0	168.5	283.1	286.9	256.1
77.5°	100.1	95.3	118.4	135.8	92.4	74.1	104.0	127.1	156.0	157.9	146.4
80°	72.2	69.3	88.6	99.2	70.3	53.0	58.7	79.0	83.8	75.1	78.0
82.5°	46.2	47.2	53.0	63.6	43.3	28.9	40.4	53.0	45.3	36.6	43.3
85°	29.8	33.7	27.9	32.7	13.5	13.5	17.3	23.1	15.4	10.6	11.6
87.5°	0.0	0.0	1.9	3.9	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

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

Scaled Data Report

REPORT NUMBER: P1501350
CATALOG NUMBER: GSS-SB1B-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	679.8	679.8	*679.8*	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	682.7	681.7	*681.7*	683.6	688.5	690.4	693.3	692.3	695.2	693.3
5°	696.2	697.1	*700.0*	701.0	703.9	707.7	708.7	707.7	709.6	709.6
7.5°	723.1	727.0	*725.1*	729.9	726.0	721.2	713.5	707.7	702.9	704.8
10°	768.4	766.5	*765.5*	756.8	739.5	714.5	694.2	672.1	668.2	664.4
12.5°	818.5	816.5	*816.5*	786.7	737.6	685.6	639.4	604.7	593.1	592.2
15°	888.7	876.2	*864.7*	802.1	703.9	615.3	561.4	534.4	527.7	527.7
17.5°	976.4	943.6	*924.4*	790.5	649.0	569.1	537.3	530.6	528.6	533.4
20°	1085.2	1002.4	*974.4*	764.5	628.8	574.8	559.4	560.4	561.4	568.1
22.5°	1204.6	1056.3	*1010.1*	764.5	649.0	611.4	603.7	614.3	617.2	623.0
25°	1337.4	1104.4	*1041.8*	805.0	708.7	680.8	671.1	681.7	689.4	699.1
27.5°	1486.7	1154.5	*1096.7*	878.2	785.7	768.4	757.8	762.6	773.2	784.8
30°	1620.5	1238.3	*1180.5*	989.8	890.7	869.5	851.2	858.9	870.4	878.2
32.5°	1739.0	1340.3	*1291.2*	1107.3	1011.0	974.4	954.2	952.3	975.4	969.6
35°	1847.8	1460.7	*1413.5*	1241.2	1133.3	1088.1	1061.1	1095.8	1080.4	1086.1
37.5°	1933.5	1585.9	*1548.3*	1369.2	1260.4	1198.8	1182.4	1224.8	1248.9	1255.6
40°	2003.8	1694.7	*1655.2*	1496.3	1376.9	1331.7	1357.7	1428.0	1425.1	1422.2
42.5°	2057.7	1788.1	*1744.7*	1592.6	1488.6	1497.3	1517.5	1564.7	1576.2	1559.9
45°	2081.8	1846.8	*1812.2*	1668.7	1615.7	1665.8	1674.5	1694.7	1687.0	1676.4
47.5°	2109.7	1898.8	*1862.2*	1738.0	1753.4	1802.5	1785.2	1768.8	1740.9	1724.5
50°	2156.9	1960.4	*1929.6*	1839.1	1895.0	1878.6	1811.2	1774.6	1717.8	1698.5
52.5°	2246.4	2076.9	*2053.8*	1999.0	1961.4	1867.0	1785.2	1719.7	1656.2	1630.2
55°	2326.3	2234.9	*2221.4*	2148.2	1941.2	1806.4	1696.6	1595.5	1486.7	1464.5
57.5°	2372.6	2496.8	*2512.2*	2211.7	1848.7	1668.7	1506.9	1345.2	1242.1	1223.8
60°	*2234.9*	*2779.9*	*2787.6*	*2199.2*	*1682.2*	*1420.3*	*1173.8*	*1059.2*	*948.4*	*916.7*
62.5°	2045.2	2721.1	*2714.4*	2124.1	1339.4	1036.1	891.6	837.7	752.0	726.0
65°	1758.2	2266.6	*2274.3*	1835.3	890.7	749.1	749.1	680.8	585.4	567.1
67.5°	1432.8	1747.6	*1730.3*	1190.1	546.9	599.9	628.8	530.6	396.7	374.6
70°	931.1	1334.6	*1310.5*	686.5	343.8	499.7	494.9	398.6	284.1	268.6
72.5°	400.6	771.3	*820.4*	350.5	259.0	402.5	394.8	279.2	189.7	182.9
75°	241.7	388.0	*422.7*	223.4	188.7	303.3	273.5	177.2	129.0	124.2
77.5°	153.1	212.8	*210.9*	167.5	141.5	205.1	183.9	122.3	87.6	83.8
80°	88.6	105.0	*108.8*	105.0	95.3	146.4	117.5	88.6	68.4	63.6
82.5°	56.8	65.5	*66.4*	51.0	53.0	94.4	63.6	52.0	39.5	35.6
85°	25.0	27.9	*27.0*	17.3	17.3	38.5	22.1	21.2	15.4	15.4
87.5°	1.0	1.9	*1.0*	1.0	1.0	3.9	1.9	2.9	2.9	2.9
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

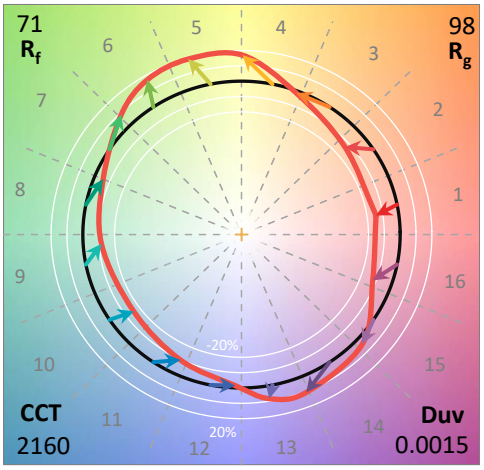
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

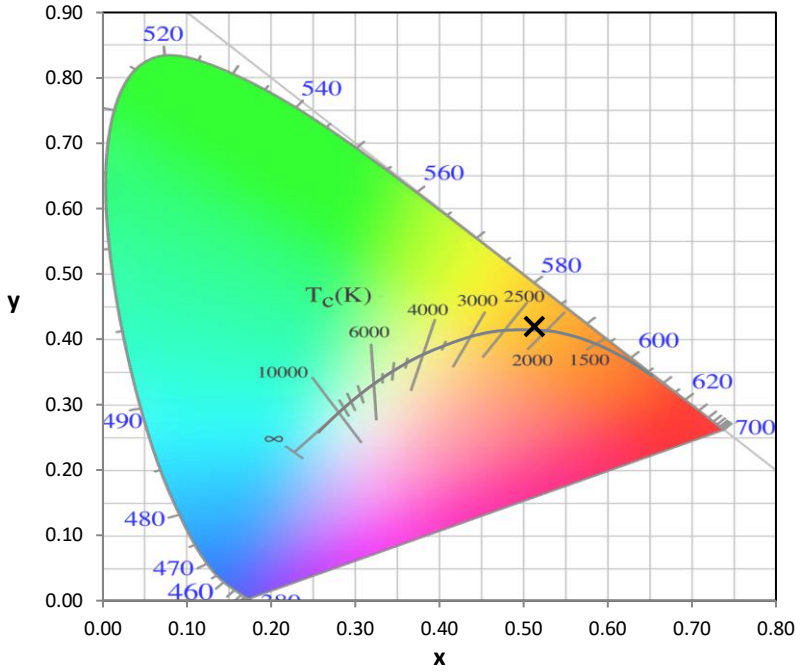
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

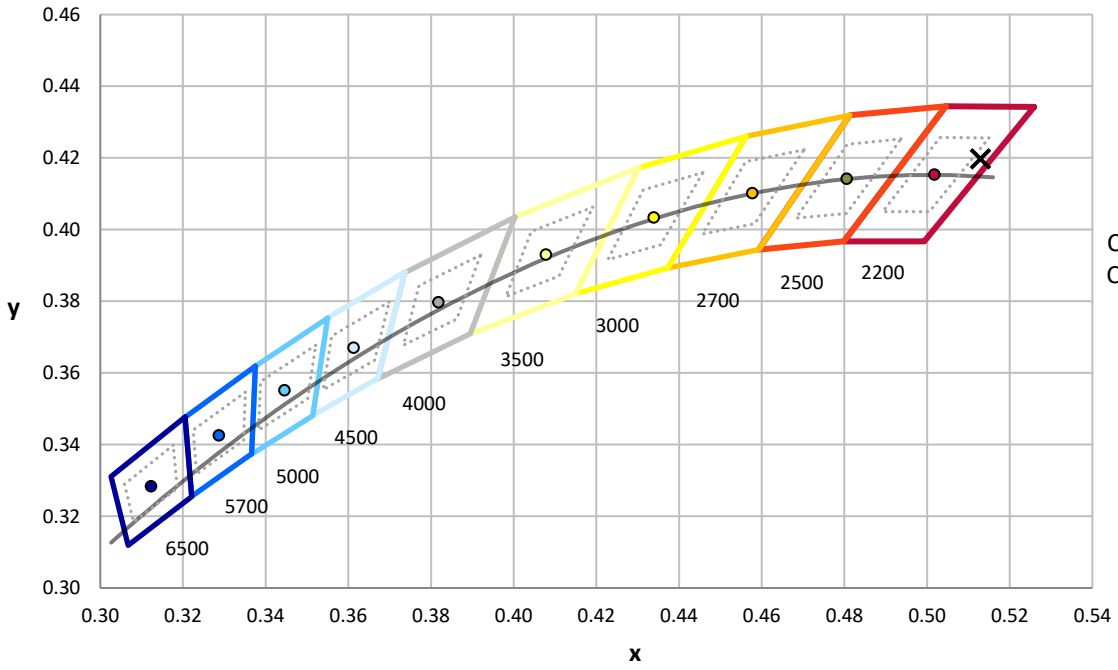
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

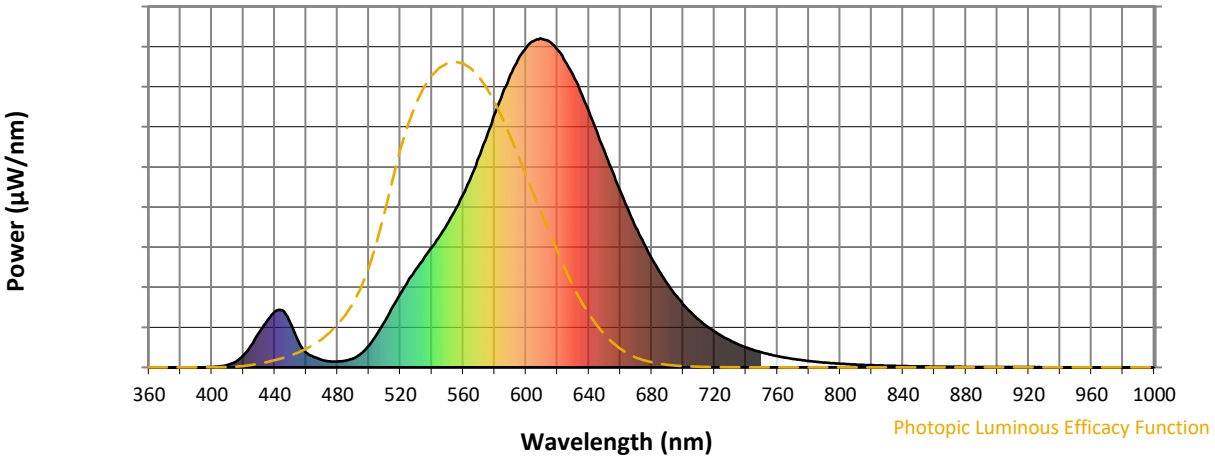


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

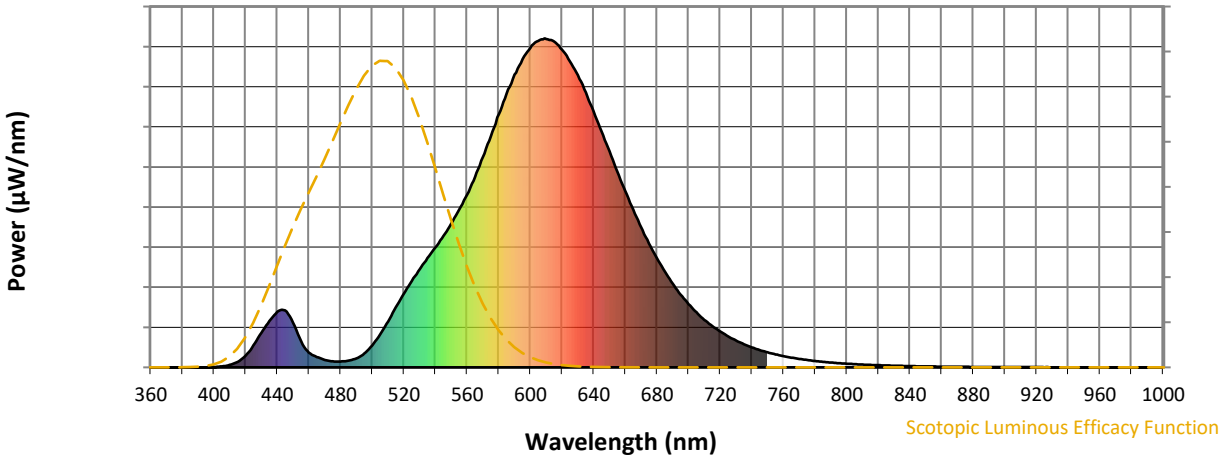


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

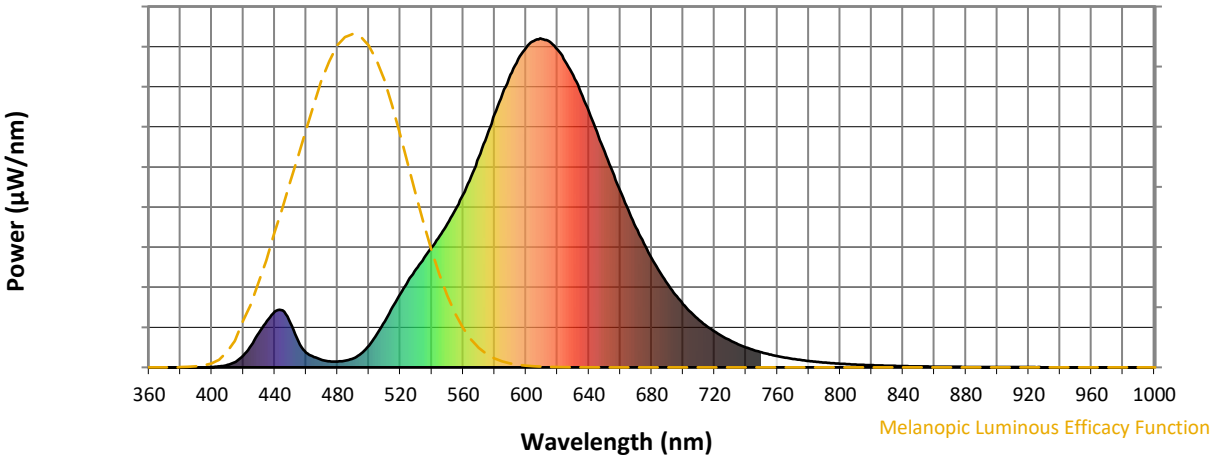


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

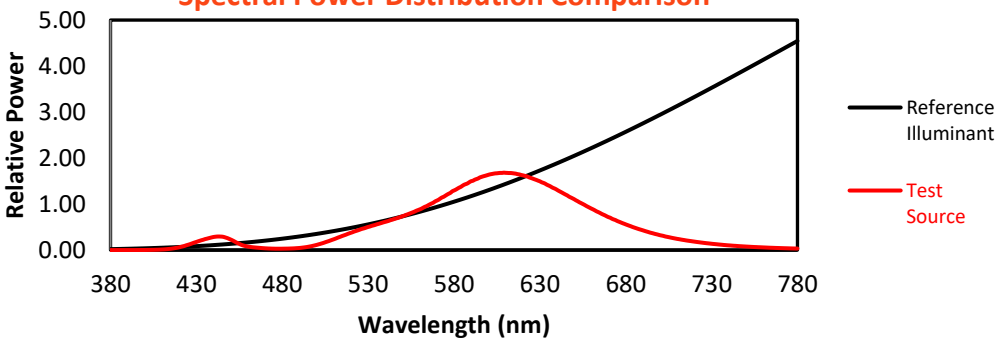
REPORT NUMBER: SP1-2407-184-2

TM-30-18

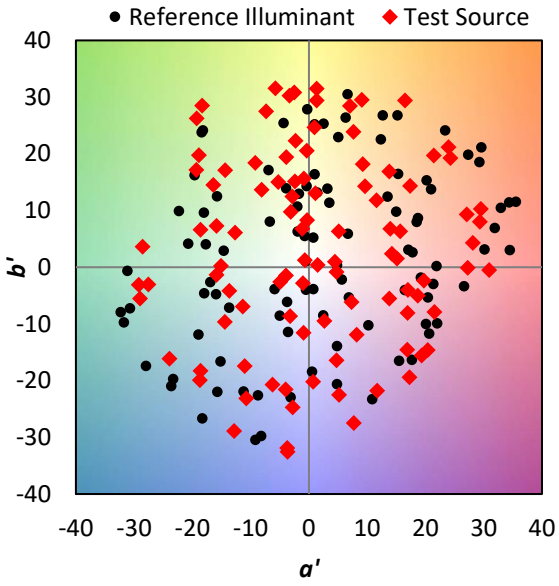
Summary

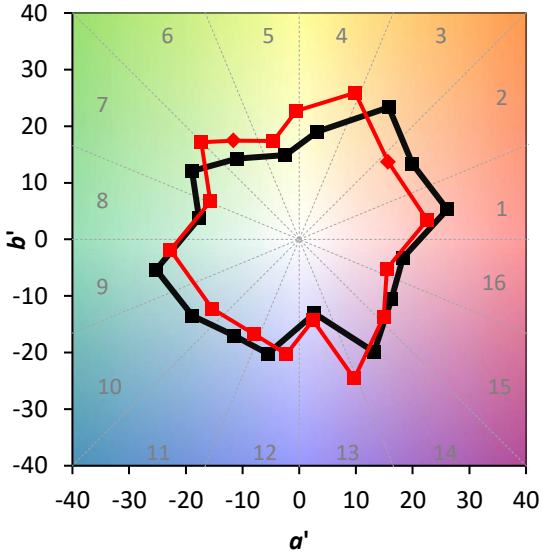
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

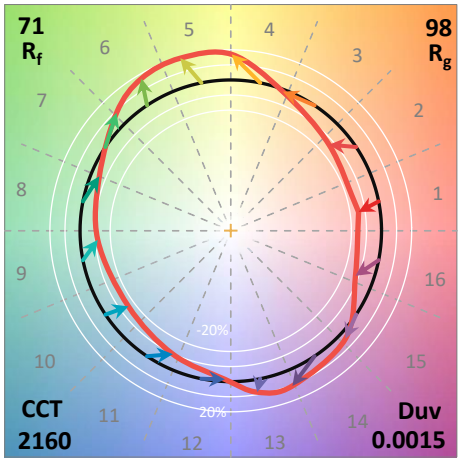
Spectral Power Distribution Comparison

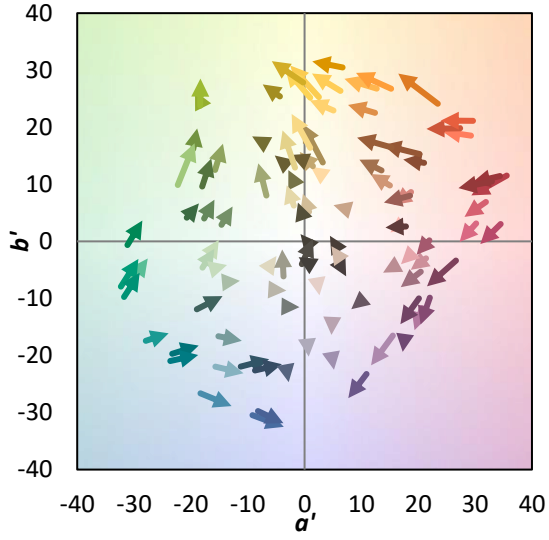


Color Vector Graphics







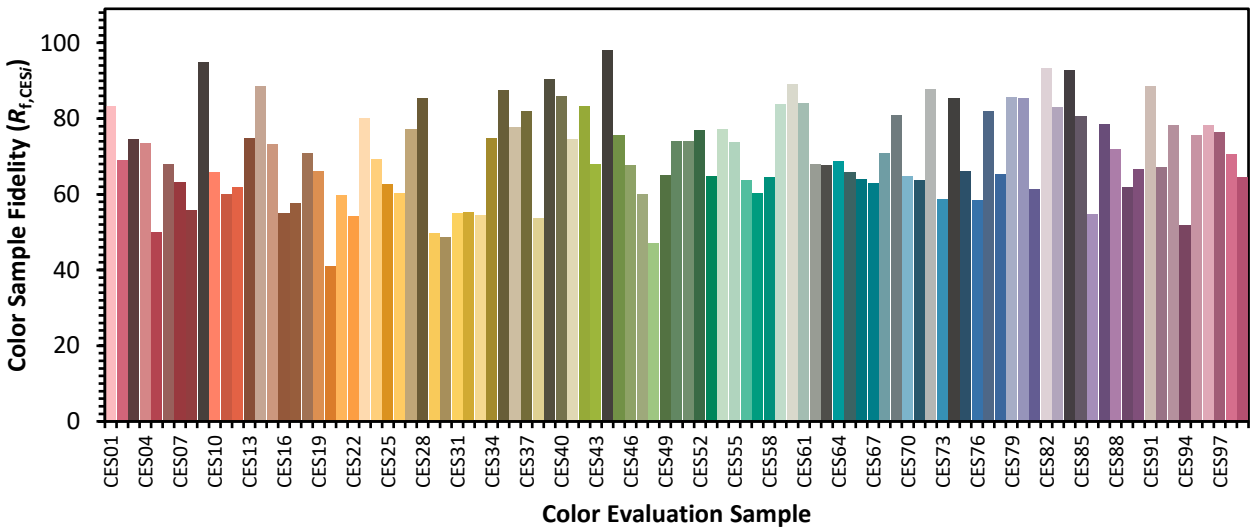


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

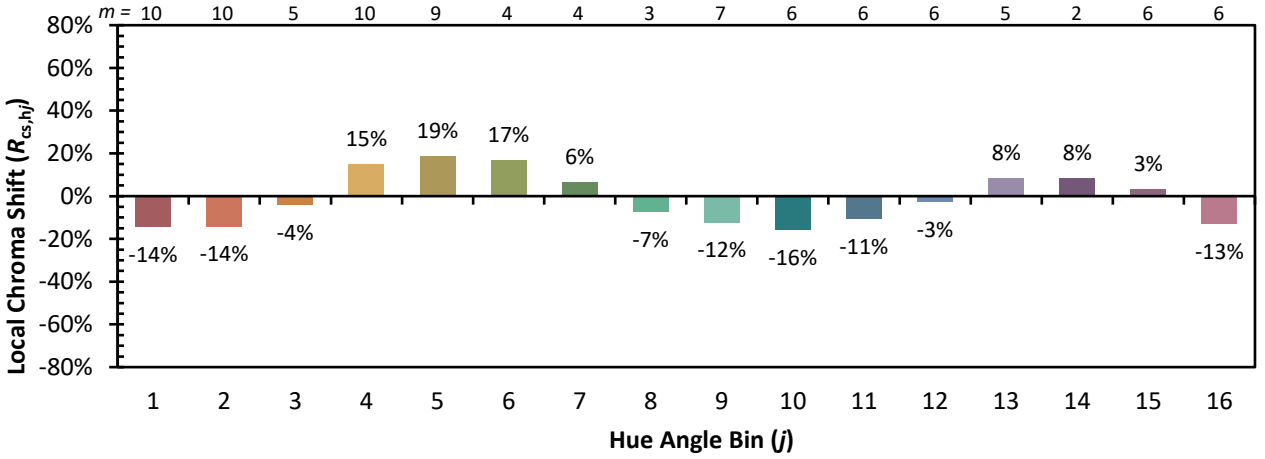
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

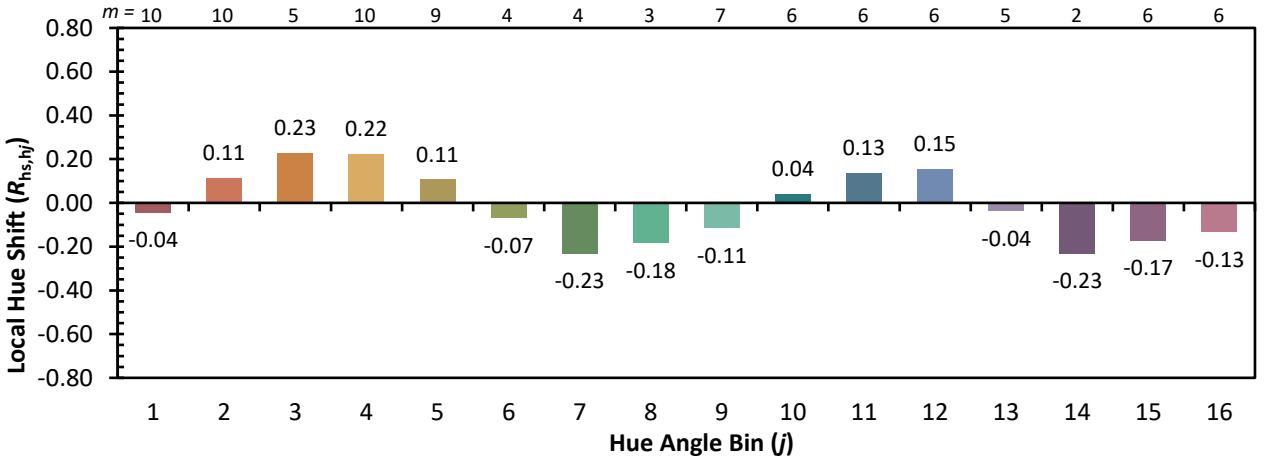


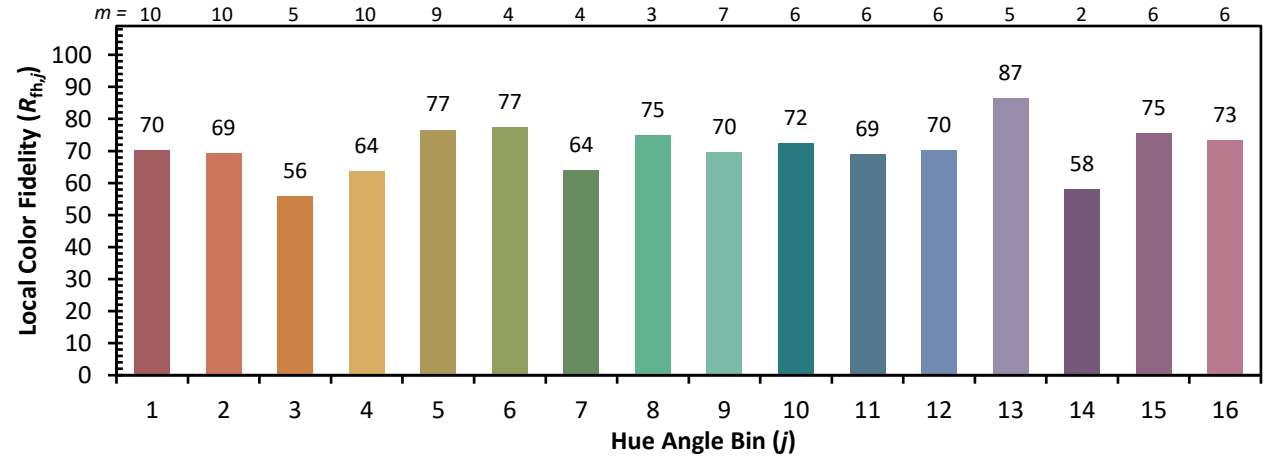
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



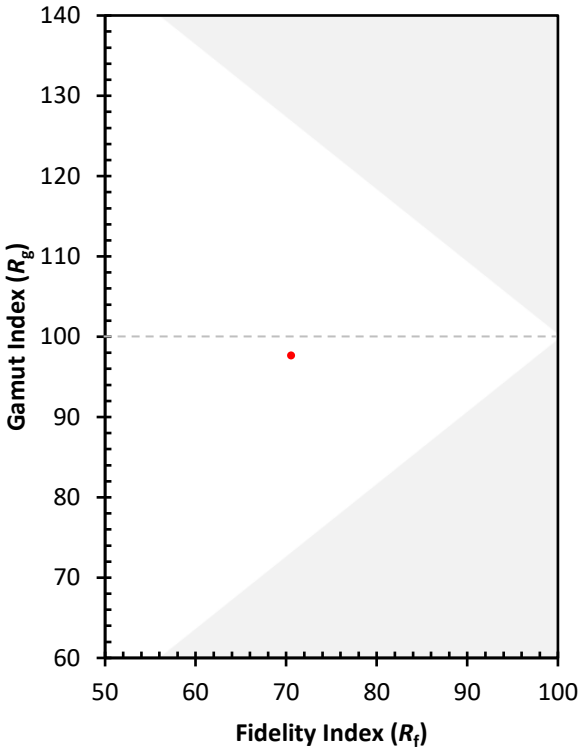


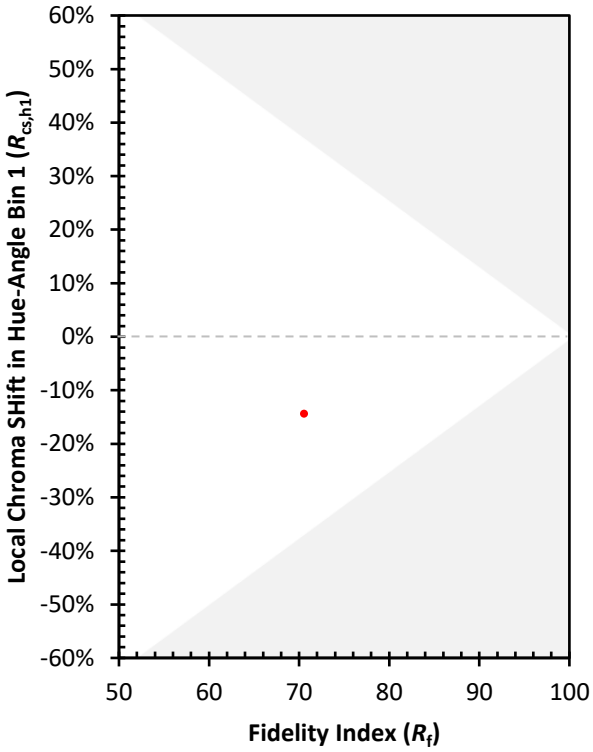


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)