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: P1501494

Luminaire Tested: GSS-SB1B-827-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:	P1501494
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4446.9 lumens
Efficiency:	N/A
Efficacy:	111.2 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

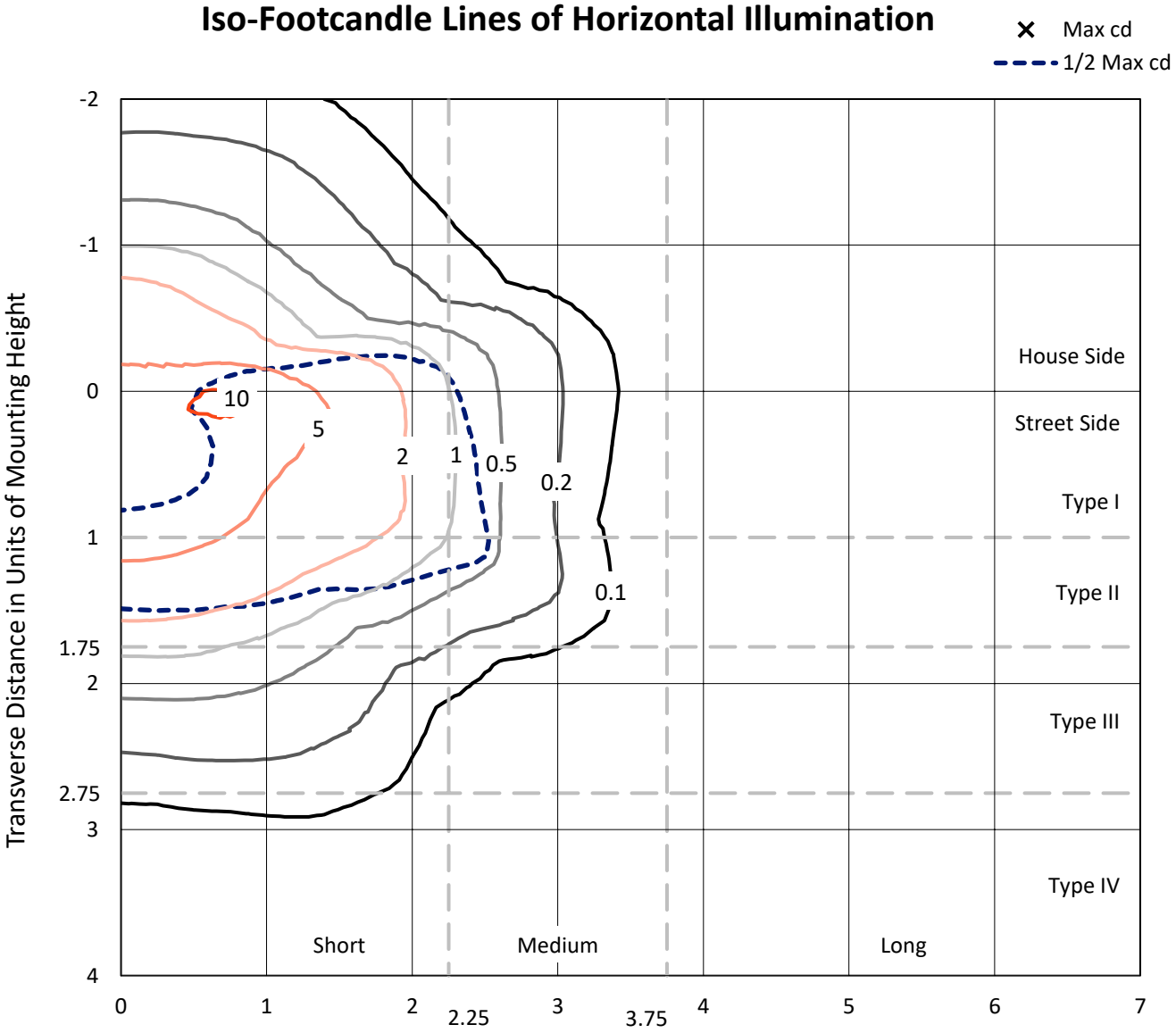
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



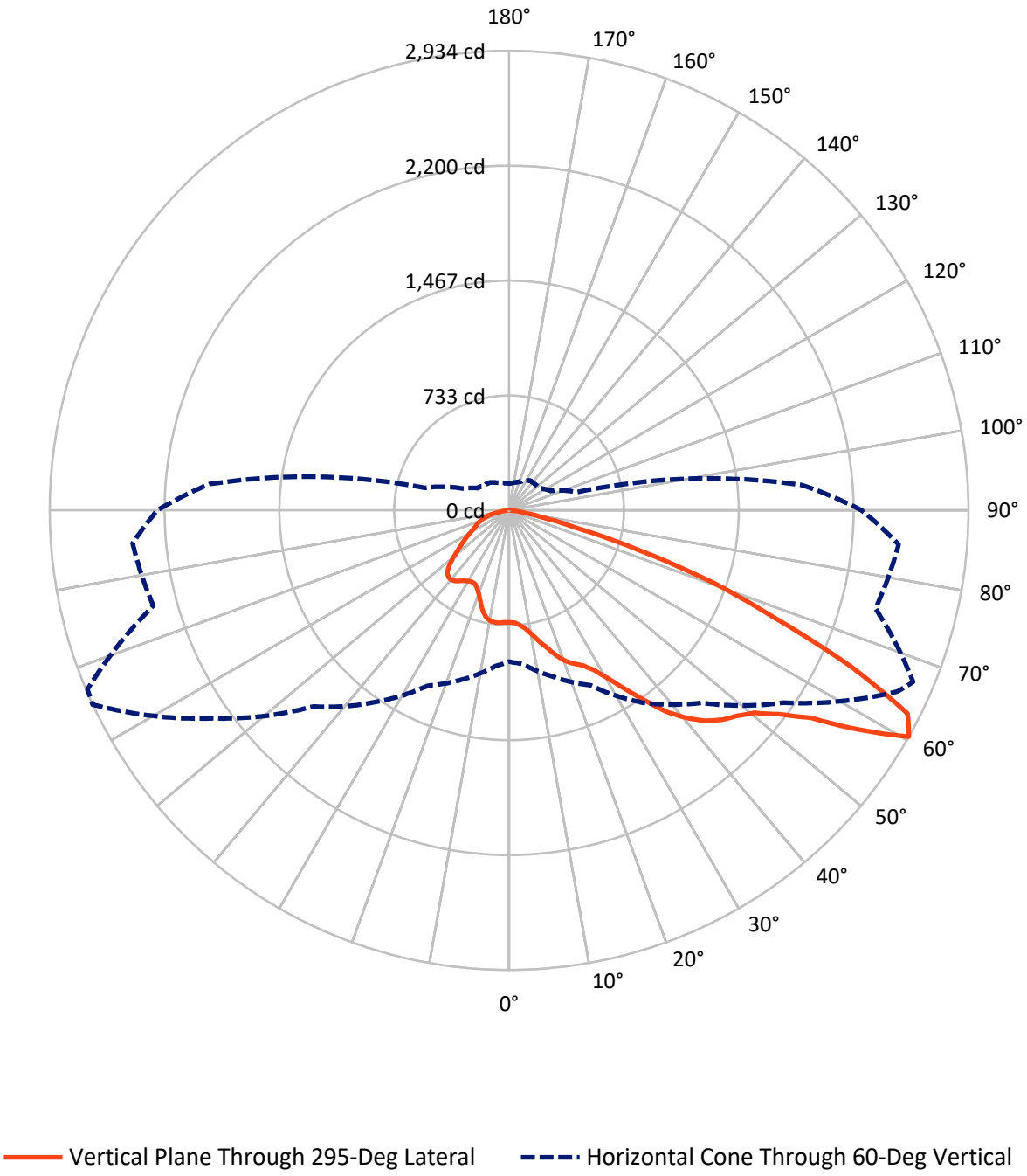
Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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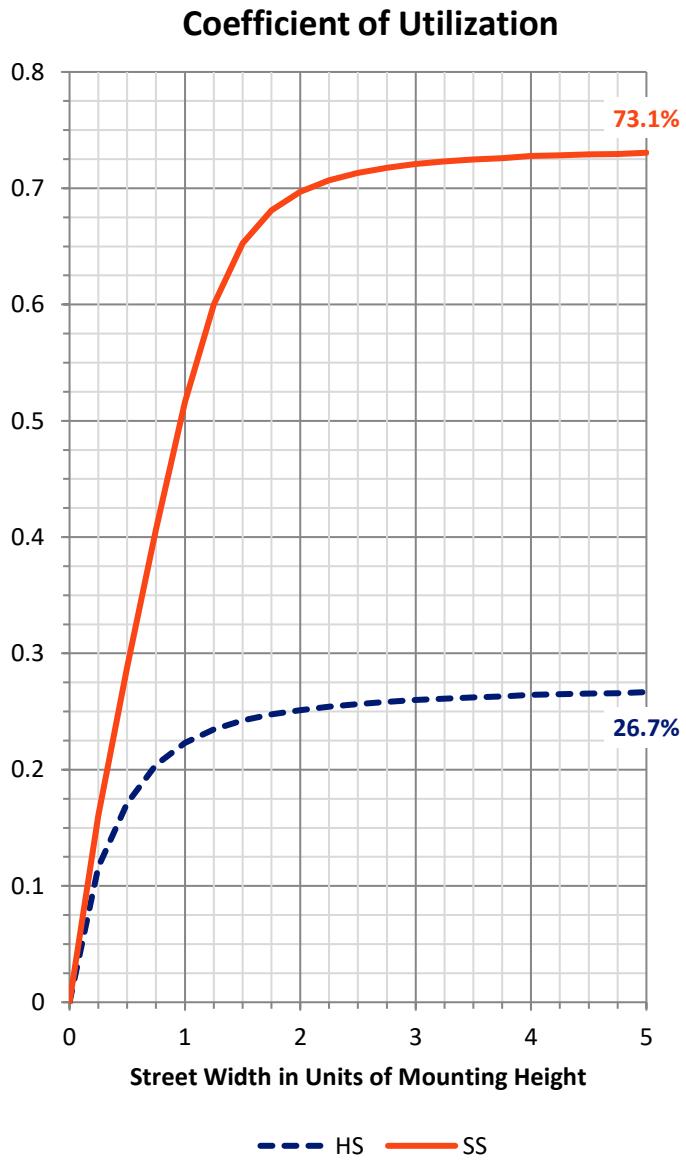
REPORT NUMBER: P1501494
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1195.8	0.0	1195.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3251.1	0.0	3251.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	4446.9	0.0	4446.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	1.5
10°-20°	193.4	4.3
20°-30°	366.3	8.2
30°-40°	645.8	14.5
40°-50°	955.0	21.5
50°-60°	1121.5	25.2
60°-70°	812.6	18.3
70°-80°	250.6	5.6
80°-90°	34.5	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°	4446.9	100.0
0°-180°	4446.9	100.0



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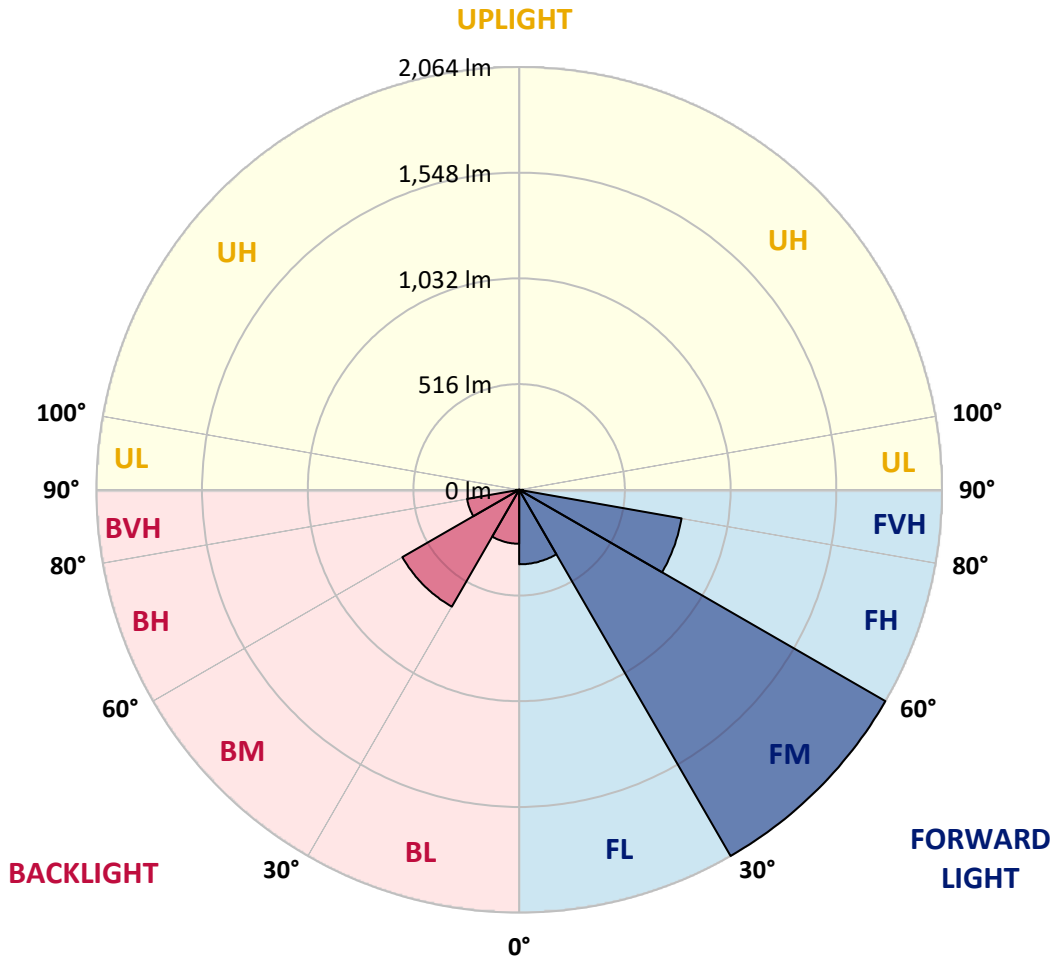
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	363.6	8.2			
FM	(30°-60°)	2063.8	46.4			
FH	(60°-80°)	805.0	18.1			G1/1800
FVH	(80°-90°)	18.6	0.4			G1/100
BL	(0°-30°)	263.4	5.9	B1/500		
BM	(30°-60°)	658.5	14.8	B1/1000		
BH	(60°-80°)	258.1	5.8	B1/500		G1/500
BVH	(80°-90°)	15.9	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°	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5
2.5°	729.7	731.7	728.7	730.7	730.7	727.6	726.6	722.6	724.6	723.6	722.6
5°	746.9	747.9	745.9	748.9	748.9	749.9	748.9	743.9	743.9	743.9	741.8
7.5°	741.8	741.8	742.8	753.0	763.1	776.3	776.3	774.3	776.3	775.3	766.2
10°	699.3	703.3	712.4	737.8	762.1	790.5	809.7	815.8	815.8	816.8	801.6
12.5°	623.3	626.3	647.6	686.1	736.8	788.5	835.1	865.5	868.5	873.6	853.3
15°	555.4	557.4	572.6	612.1	669.9	761.1	849.3	912.1	922.2	943.5	913.1
17.5°	561.4	560.4	564.5	579.7	621.2	716.5	846.2	966.8	985.1	1022.6	996.2
20°	597.9	597.9	601.0	604.0	619.2	684.1	823.9	1011.4	1046.9	1119.8	1089.4
22.5°	655.7	655.7	654.7	659.7	659.7	698.3	824.9	1044.9	1097.5	1228.3	1198.9
25°	735.8	731.7	731.7	733.7	724.6	752.0	850.3	1079.3	1148.2	1357.0	1331.7
27.5°	825.9	829.0	827.0	819.9	807.7	829.0	911.1	1133.0	1205.0	1492.8	1482.7
30°	924.3	925.3	927.3	923.2	913.1	928.3	1006.3	1214.1	1280.0	1634.7	1657.0
32.5°	1020.5	1034.7	1029.6	1019.5	1023.6	1050.9	1123.9	1323.5	1391.4	1766.4	1845.5
35°	1143.2	1148.2	1168.5	1131.0	1132.0	1178.6	1273.9	1467.5	1533.3	1903.2	2034.0
37.5°	1321.5	1330.6	1321.5	1262.7	1253.6	1318.5	1419.8	1609.3	1657.0	2006.6	2209.3
40°	1496.8	1508.0	1523.2	1454.3	1396.5	1450.2	1557.6	1717.8	1767.4	2063.4	2325.8
42.5°	1641.8	1660.0	1643.8	1623.5	1570.8	1581.0	1653.9	1801.9	1851.5	2135.3	2443.4
45°	1764.4	1767.4	1774.5	1760.3	1734.0	1724.9	1736.0	1875.9	1930.6	2167.7	2501.2
47.5°	1815.1	1828.2	1834.3	1858.6	1886.0	1867.8	1805.9	1910.3	1960.0	2165.7	2519.4
50°	1787.7	1800.9	1833.3	1891.1	1956.9	1989.4	1888.0	1958.0	2013.7	2202.2	2556.9
52.5°	1715.7	1729.9	1782.6	1848.5	1959.0	2032.9	2003.6	2057.3	2111.0	2267.1	2619.7
55°	1541.4	1562.7	1636.7	1746.1	1898.2	2009.6	2125.2	2203.2	2262.0	2345.1	2684.6
57.5°	1288.1	1310.4	1393.5	1557.6	1785.7	1913.4	2160.6	2476.8	2503.2	2438.3	2690.7
60°	*964.8*	*983.0*	*1100.6*	*1232.3*	*1499.9*	*1737.0*	*2140.4*	*2736.3*	*2803.2*	*2422.1*	*2497.1*
62.5°	764.1	786.4	890.8	951.6	1143.2	1435.0	2069.4	2808.2	2866.0	2288.3	2227.5
65°	596.9	612.1	709.4	796.6	843.2	980.0	1773.5	2456.6	2508.3	2070.4	1838.4
67.5°	394.2	417.5	533.1	652.7	677.0	623.3	1220.2	1890.1	1914.4	1645.8	1382.3
70°	282.7	293.9	380.0	507.7	544.2	417.5	664.8	1431.0	1438.1	1104.6	931.3
72.5°	192.6	194.6	258.4	389.2	433.7	303.0	365.8	942.5	918.2	545.2	533.1
75°	130.7	132.8	165.2	259.4	307.1	210.8	238.2	513.8	493.5	301.0	323.3
77.5°	88.2	90.2	113.5	174.3	204.7	145.9	174.3	271.6	266.5	199.6	173.3
80°	66.9	69.9	84.1	111.5	142.9	85.1	99.3	128.7	130.7	106.4	88.2
82.5°	37.5	41.6	50.7	56.8	92.2	47.6	47.6	77.0	74.0	65.9	47.6
85°	16.2	17.2	20.3	21.3	37.5	20.3	17.2	33.4	34.5	32.4	15.2
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5
2.5°	717.5	723.6	717.5	714.5	714.5	709.4	707.4	707.4	700.3	703.3	701.3
5°	733.7	735.8	728.7	719.5	707.4	697.2	683.1	664.8	653.7	652.7	653.7
7.5°	759.1	760.1	740.8	720.6	690.1	653.7	610.1	574.6	543.2	538.1	544.2
10°	794.5	792.5	764.1	716.5	652.7	575.6	508.7	476.3	458.1	457.1	456.0
12.5°	842.2	829.0	785.4	699.3	587.8	498.6	464.2	462.1	467.2	471.2	472.3
15°	896.9	879.7	802.6	665.8	521.9	470.2	472.3	489.5	495.6	499.6	499.6
17.5°	964.8	942.5	821.9	618.2	488.5	476.3	490.5	506.7	516.9	520.9	519.9
20°	1055.0	1008.4	837.1	572.6	479.4	486.4	498.6	514.8	525.0	530.0	530.0
22.5°	1145.2	1087.4	840.1	541.2	479.4	487.5	498.6	514.8	526.0	531.0	530.0
25°	1267.8	1188.8	841.2	518.9	480.4	482.4	492.5	506.7	522.9	528.0	530.0
27.5°	1398.5	1300.2	846.2	513.8	476.3	475.3	482.4	495.6	511.8	525.0	526.0
30°	1560.7	1425.9	848.2	518.9	477.3	464.2	469.2	482.4	499.6	512.8	516.9
32.5°	1719.8	1542.4	844.2	530.0	479.4	457.1	458.1	466.2	484.4	493.5	500.6
35°	1888.0	1666.1	837.1	545.2	480.4	454.0	444.9	449.0	461.1	462.1	465.2
37.5°	2019.8	1758.3	815.8	565.5	482.4	442.9	424.6	421.6	416.5	406.4	408.4
40°	2128.2	1820.1	780.3	575.6	477.3	429.7	399.3	385.1	365.8	350.6	353.7
42.5°	2206.2	1861.7	737.8	577.7	469.2	407.4	369.9	345.6	324.3	308.1	309.1
45°	2240.7	1857.6	692.2	562.5	450.0	380.0	342.5	319.2	295.9	278.7	276.7
47.5°	2241.7	1818.1	629.3	526.0	417.5	348.6	317.2	291.9	272.6	260.5	259.4
50°	2249.8	1795.8	570.6	473.3	375.0	315.2	294.9	269.6	258.4	241.2	236.1
52.5°	2300.5	1832.3	530.0	415.5	335.4	290.9	275.7	253.4	235.1	224.0	223.0
55°	2382.6	1895.1	507.7	371.9	297.9	267.5	257.4	238.2	221.9	210.8	207.8
57.5°	2392.7	1927.6	481.4	331.4	267.5	249.3	245.3	224.0	200.7	192.6	189.5
60°	*2250.8*	*1872.8*	*449.0*	*293.9*	*245.3*	*235.1*	*233.1*	*204.7*	*185.5*	*175.3*	*171.3*
62.5°	2057.3	1736.0	399.3	259.4	228.0	220.9	212.8	190.5	166.2	155.1	152.0
65°	1681.3	1459.3	339.5	236.1	210.8	202.7	200.7	170.3	154.0	148.0	146.9
67.5°	1273.9	1172.5	299.0	218.9	192.6	189.5	182.4	172.3	165.2	158.1	156.1
70°	900.9	846.2	254.4	196.6	174.3	169.2	198.6	187.5	162.1	153.0	152.0
72.5°	546.2	531.0	219.9	176.3	150.0	158.1	183.4	169.2	145.9	134.8	130.7
75°	344.6	315.2	184.4	150.0	119.6	128.7	160.1	151.0	125.7	114.5	111.5
77.5°	187.5	174.3	138.8	122.6	94.2	104.4	139.9	124.7	100.3	109.5	97.3
80°	82.1	91.2	92.2	70.9	62.8	77.0	100.3	97.3	77.0	78.0	64.9
82.5°	39.5	51.7	59.8	48.6	35.5	45.6	66.9	55.7	51.7	48.6	46.6
85°	12.2	19.3	26.3	23.3	16.2	19.3	31.4	30.4	36.5	31.4	29.4
87.5°	4.1	4.1	3.0	3.0	3.0	4.1	5.1	3.0	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°	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5
2.5°	700.3	701.3	701.3	702.3	702.3	705.4	709.4	713.5	710.4	714.5	715.5
5°	651.6	656.7	660.8	676.0	688.1	698.3	709.4	719.5	722.6	724.6	729.7
7.5°	537.1	551.3	577.7	612.1	650.6	688.1	713.5	739.8	743.9	748.9	756.0
10°	457.1	463.1	481.4	516.9	585.8	659.7	721.6	763.1	780.3	790.5	797.6
12.5°	470.2	466.2	463.1	468.2	512.8	608.1	716.5	796.6	829.0	840.1	849.3
15°	501.7	497.6	486.4	472.3	477.3	553.3	699.3	828.0	879.7	897.9	917.2
17.5°	519.9	515.8	506.7	491.5	478.3	507.7	666.8	856.4	959.7	982.0	1009.4
20°	530.0	526.0	516.9	501.7	486.4	490.5	625.3	891.8	1050.9	1086.4	1126.9
22.5°	532.1	527.0	516.9	501.7	492.5	489.5	585.8	913.1	1149.2	1204.0	1250.6
25°	531.0	521.9	508.7	497.6	492.5	491.5	558.4	925.3	1255.6	1342.8	1395.5
27.5°	523.9	512.8	499.6	491.5	489.5	495.6	546.2	939.5	1380.3	1491.8	1575.9
30°	515.8	499.6	483.4	480.4	485.4	504.7	556.4	944.5	1511.0	1653.9	1740.1
32.5°	494.6	482.4	466.2	465.2	477.3	511.8	579.7	937.4	1626.6	1816.1	1924.5
35°	464.2	457.1	447.9	451.0	470.2	517.9	595.9	915.1	1732.0	1967.1	2093.8
37.5°	410.4	415.5	420.6	427.7	452.0	516.9	603.0	879.7	1819.1	2087.7	2249.8
40°	350.6	367.9	384.1	402.3	434.8	508.7	605.0	836.1	1869.8	2178.9	2388.7
42.5°	313.2	329.4	349.6	376.0	411.5	490.5	603.0	787.4	1886.0	2241.7	2476.8
45°	278.7	297.9	323.3	350.6	391.2	464.2	584.8	734.7	1894.1	2271.1	2514.3
47.5°	260.5	271.6	294.9	322.3	364.8	431.7	549.3	696.2	1881.9	2277.2	2559.9
50°	239.2	254.4	269.6	295.9	337.5	391.2	506.7	673.9	1902.2	2337.0	2631.9
52.5°	223.0	231.1	247.3	271.6	302.0	353.7	466.2	655.7	1958.0	2397.8	2706.9
55°	210.8	219.9	230.0	250.3	273.6	316.2	424.6	628.3	2022.8	2462.6	2781.9
57.5°	191.5	197.6	211.8	233.1	248.3	279.7	376.0	595.9	2017.7	2412.0	2652.2
60°	*174.3*	*180.4*	*195.6*	*216.9*	*226.0*	*247.3*	*328.4*	*554.3*	*1920.5*	*2246.8*	*2413.0*
62.5°	155.1	162.1	180.4	195.6	203.7	219.9	278.7	478.3	1717.8	1998.5	2133.3
65°	146.9	151.0	163.2	181.4	180.4	195.6	235.1	376.0	1382.3	1527.2	1649.9
67.5°	156.1	162.1	160.1	165.2	162.1	170.3	210.8	302.0	1086.4	1150.2	1221.2
70°	154.0	168.2	175.3	165.2	141.9	151.0	182.4	241.2	777.3	771.2	768.2
72.5°	134.8	149.0	169.2	179.4	138.8	125.7	158.1	208.8	498.6	496.6	449.0
75°	114.5	124.7	149.0	162.1	119.6	101.3	135.8	177.4	297.9	302.0	269.6
77.5°	105.4	100.3	124.7	142.9	97.3	78.0	109.5	133.8	164.2	166.2	154.0
80°	76.0	73.0	93.2	104.4	74.0	55.7	61.8	83.1	88.2	79.0	82.1
82.5°	48.6	49.7	55.7	66.9	45.6	30.4	42.6	55.7	47.6	38.5	45.6
85°	31.4	35.5	29.4	34.5	14.2	14.2	18.2	24.3	16.2	11.1	12.2
87.5°	0.0	0.0	2.0	4.1	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: P1501494
CATALOG NUMBER: GSS-SB1B-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	715.5	715.5	*715.5*	715.5	715.5	715.5	715.5	715.5	715.5	715.5
2.5°	718.5	717.5	*717.5*	719.5	724.6	726.6	729.7	728.7	731.7	729.7
5°	732.7	733.7	*736.8*	737.8	740.8	744.9	745.9	744.9	746.9	746.9
7.5°	761.1	765.1	*763.1*	768.2	764.1	759.1	751.0	744.9	739.8	741.8
10°	808.7	806.7	*805.7*	796.6	778.3	752.0	730.7	707.4	703.3	699.3
12.5°	861.4	859.4	*859.4*	828.0	776.3	721.6	672.9	636.4	624.3	623.3
15°	935.4	922.2	*910.1*	844.2	740.8	647.6	590.8	562.5	555.4	555.4
17.5°	1027.6	993.2	*972.9*	832.0	683.1	598.9	565.5	558.4	556.4	561.4
20°	1142.1	1055.0	*1025.6*	804.7	661.8	605.0	588.8	589.8	590.8	597.9
22.5°	1267.8	1111.7	*1063.1*	804.7	683.1	643.5	635.4	646.6	649.6	655.7
25°	1407.7	1162.4	*1096.5*	847.2	745.9	716.5	706.4	717.5	725.6	735.8
27.5°	1564.7	1215.1	*1154.3*	924.3	827.0	808.7	797.6	802.6	813.8	825.9
30°	1705.6	1303.3	*1242.5*	1041.8	937.4	915.1	895.9	904.0	916.1	924.3
32.5°	1830.3	1410.7	*1359.0*	1165.4	1064.1	1025.6	1004.3	1002.3	1026.6	1020.5
35°	1944.8	1537.4	*1487.7*	1306.3	1192.8	1145.2	1116.8	1153.3	1137.1	1143.2
37.5°	2035.0	1669.1	*1629.6*	1441.1	1326.6	1261.7	1244.5	1289.1	1314.4	1321.5
40°	2109.0	1783.6	*1742.1*	1574.9	1449.2	1401.6	1428.9	1502.9	1499.9	1496.8
42.5°	2165.7	1881.9	*1836.3*	1676.2	1566.8	1575.9	1597.2	1646.8	1659.0	1641.8
45°	2191.0	1943.8	*1907.3*	1756.3	1700.5	1753.2	1762.4	1783.6	1775.5	1764.4
47.5°	2220.4	1998.5	*1960.0*	1829.2	1845.5	1897.1	1878.9	1861.7	1832.3	1815.1
50°	2270.1	2063.4	*2030.9*	1935.7	1994.4	1977.2	1906.3	1867.8	1808.0	1787.7
52.5°	2364.3	2186.0	*2161.7*	2103.9	2064.4	1965.0	1878.9	1810.0	1743.1	1715.7
55°	2448.5	2352.2	*2338.0*	2261.0	2043.1	1901.2	1785.7	1679.3	1564.7	1541.4
57.5°	2497.1	2627.8	*2644.1*	2327.9	1945.8	1756.3	1586.0	1415.8	1307.3	1288.1
60°	*2352.2*	*2925.8*	*2933.9*	*2314.7*	*1770.5*	*1494.8*	*1235.4*	*1114.8*	*998.2*	*964.8*
62.5°	2152.5	2864.0	*2856.9*	2235.6	1409.7	1090.5	938.4	881.7	791.5	764.1
65°	1850.5	2385.6	*2393.7*	1931.6	937.4	788.5	788.5	716.5	616.2	596.9
67.5°	1508.0	1839.4	*1821.1*	1252.6	575.6	631.4	661.8	558.4	417.5	394.2
70°	980.0	1404.6	*1379.3*	722.6	361.8	526.0	520.9	419.6	299.0	282.7
72.5°	421.6	811.8	*863.4*	368.9	272.6	423.6	415.5	293.9	199.6	192.6
75°	254.4	408.4	*444.9*	235.1	198.6	319.2	287.8	186.5	135.8	130.7
77.5°	161.1	224.0	*221.9*	176.3	149.0	215.9	193.6	128.7	92.2	88.2
80°	93.2	110.5	*114.5*	110.5	100.3	154.0	123.6	93.2	72.0	66.9
82.5°	59.8	68.9	*69.9*	53.7	55.7	99.3	66.9	54.7	41.6	37.5
85°	26.3	29.4	*28.4*	18.2	18.2	40.5	23.3	22.3	16.2	16.2
87.5°	1.0	2.0	*1.0*	1.0	1.0	4.1	2.0	3.0	3.0	3.0
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

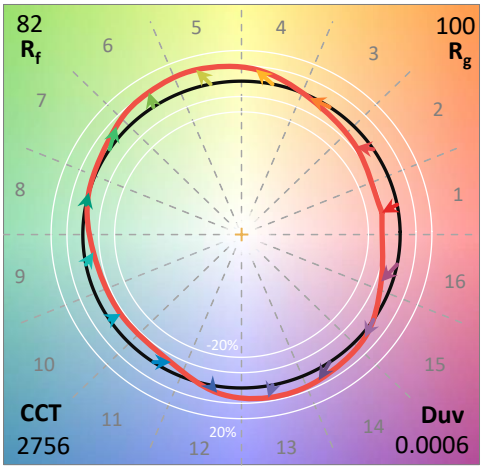
Test Information

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

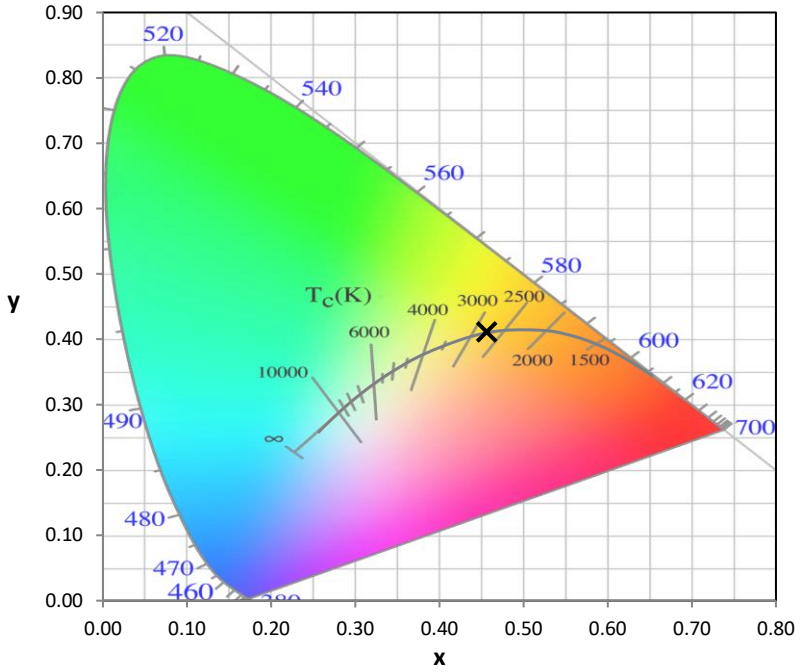
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

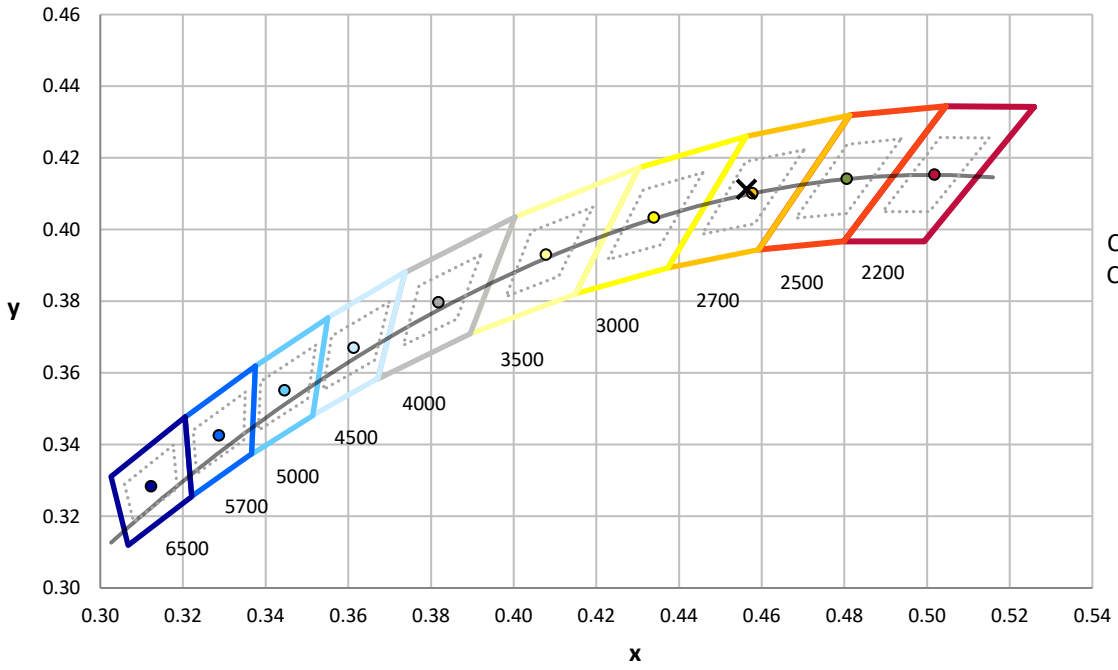
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

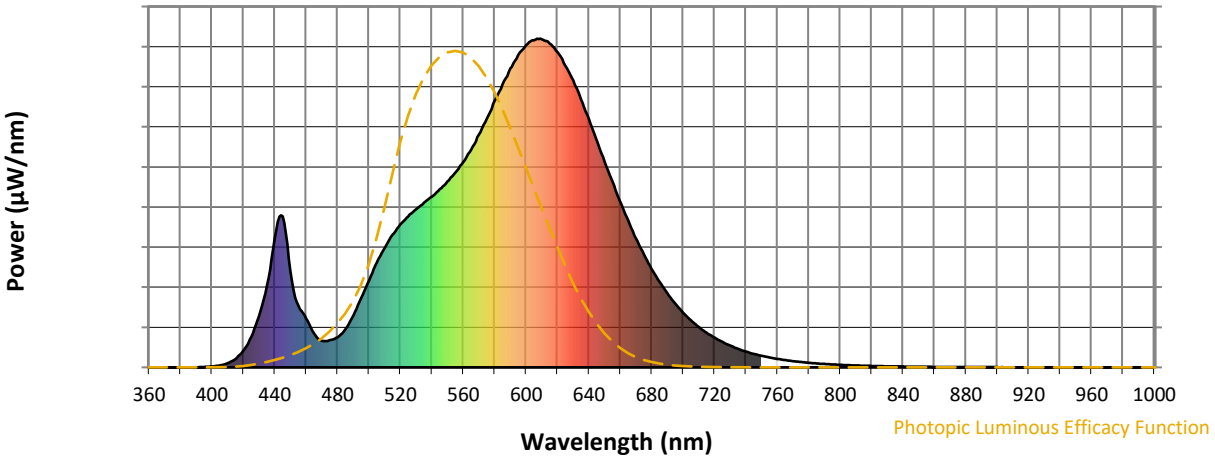


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

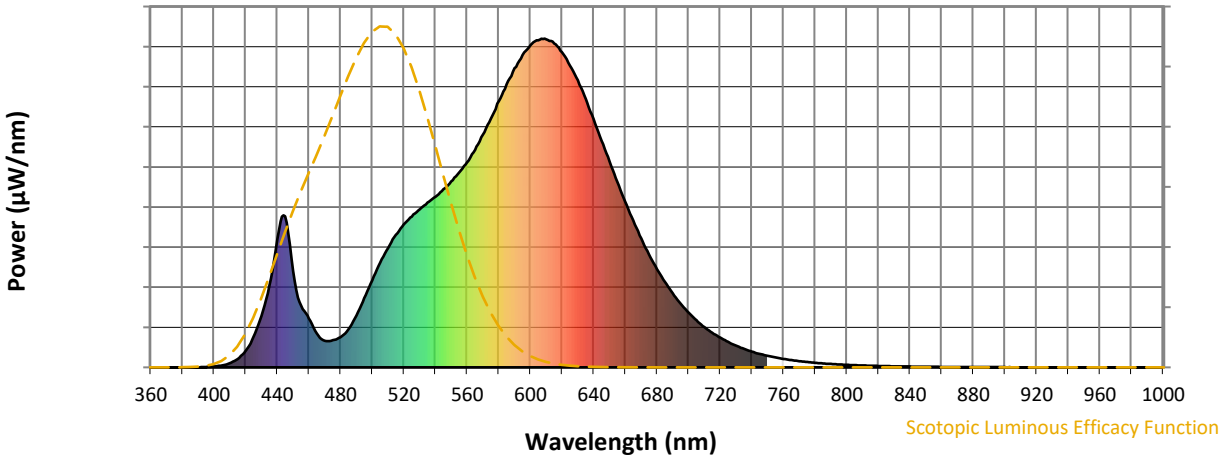


Photopic Lumens: NR

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

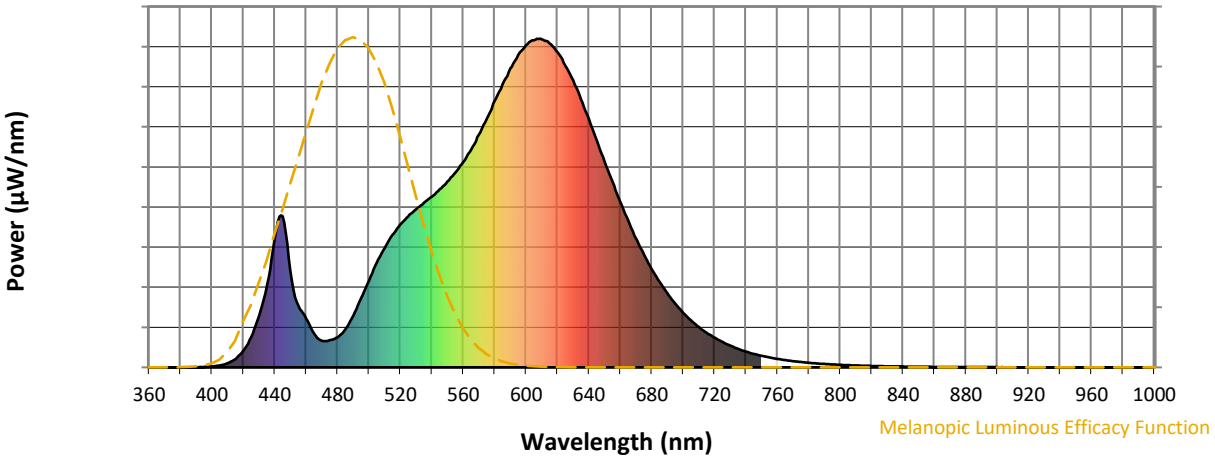


Scotopic Lumens: NR **S/P: 1.2**

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			

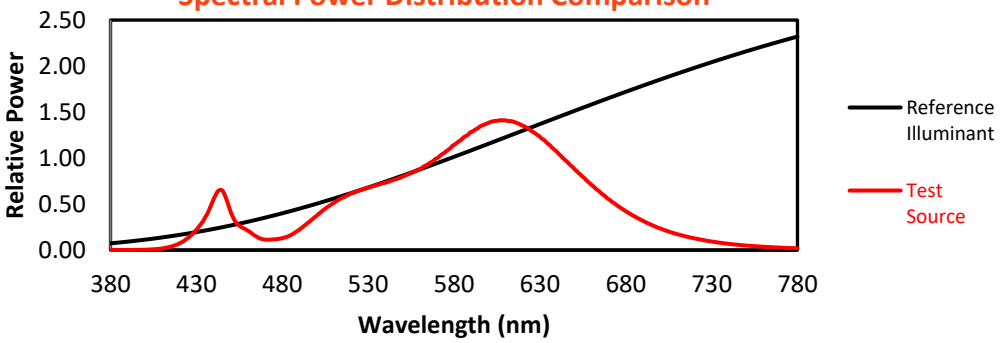
REPORT NUMBER: SP1-2407-184-8

TM-30-18

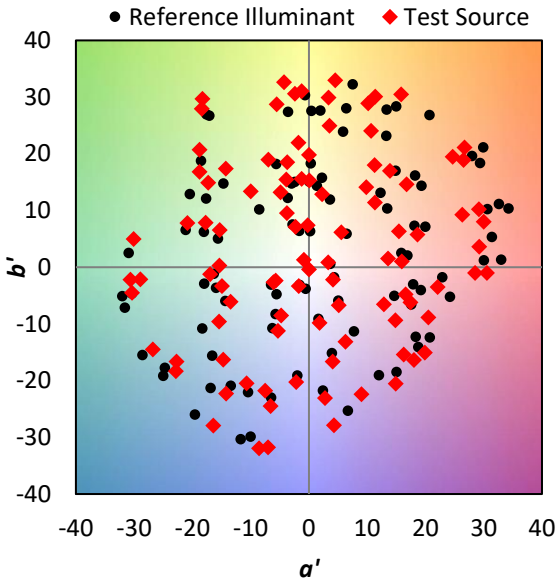
Summary

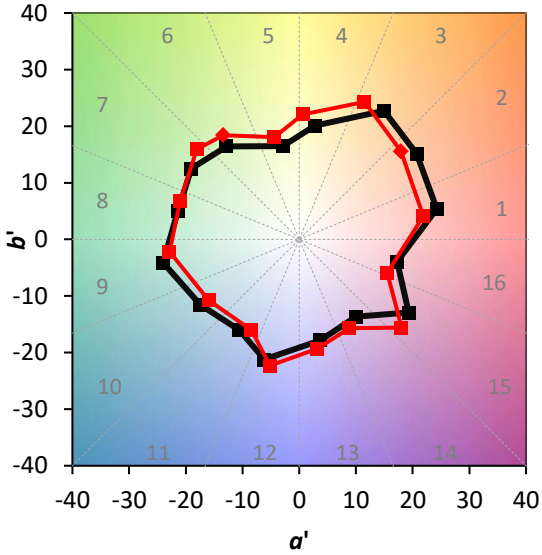
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

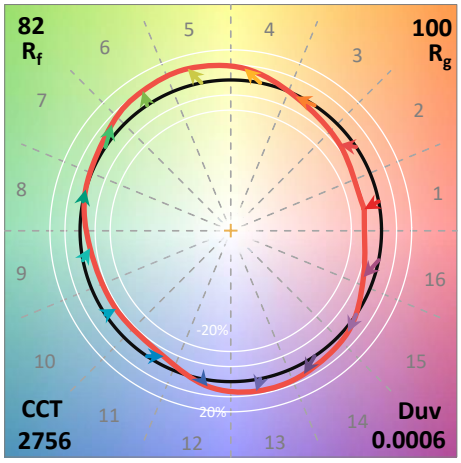
Spectral Power Distribution Comparison

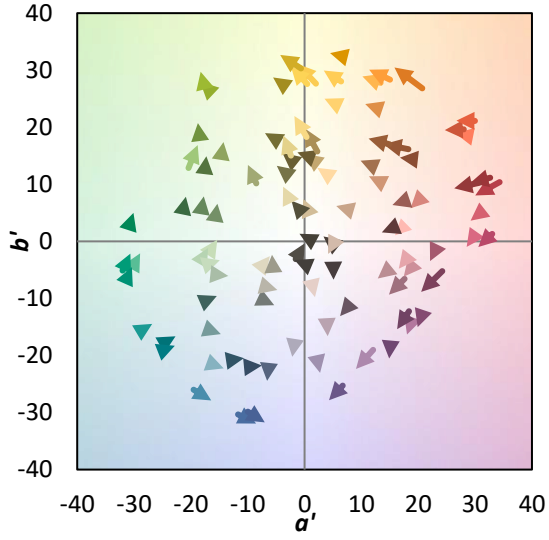


Color Vector Graphics







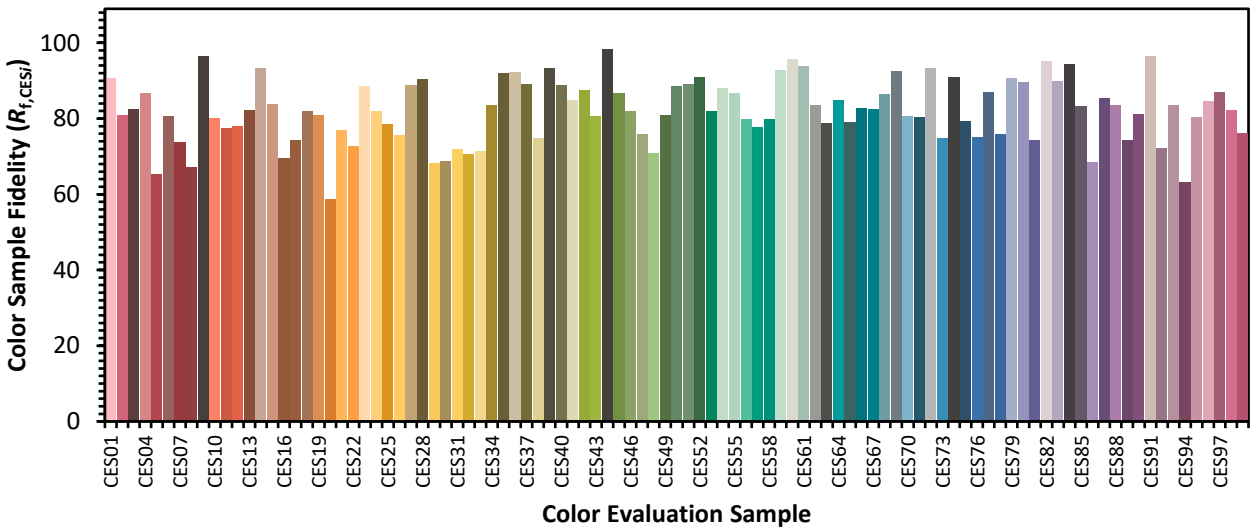


REPORT NUMBER: SP1-2407-184-8

TM-30-18

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

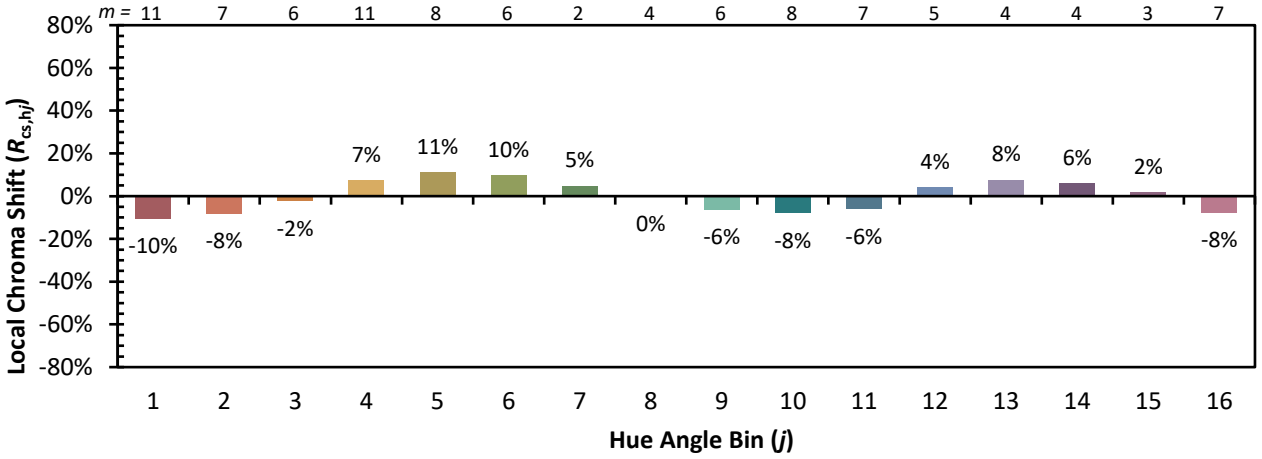
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 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
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CES25 = 72	CES50 = 88	CES75 = 79	

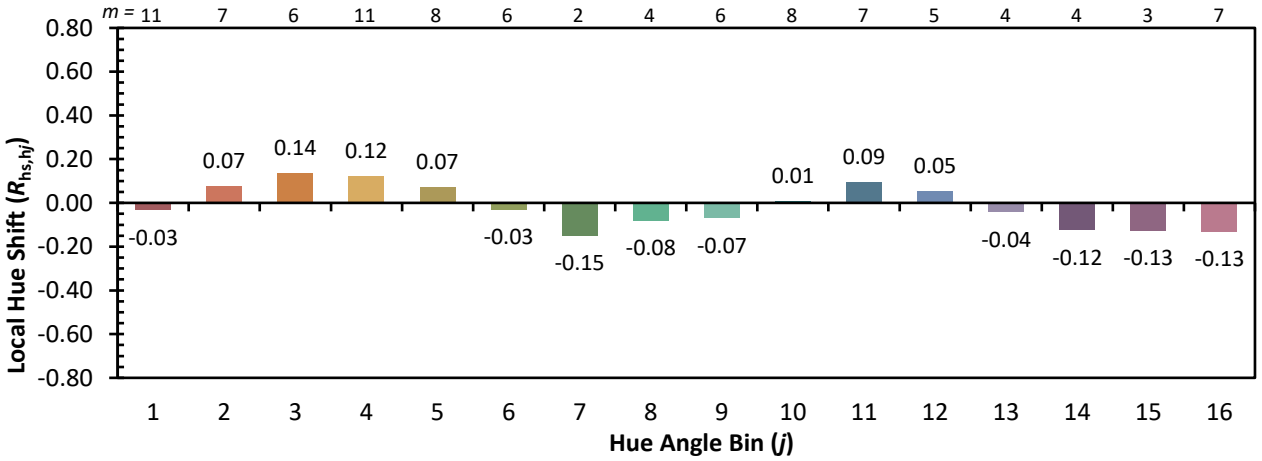


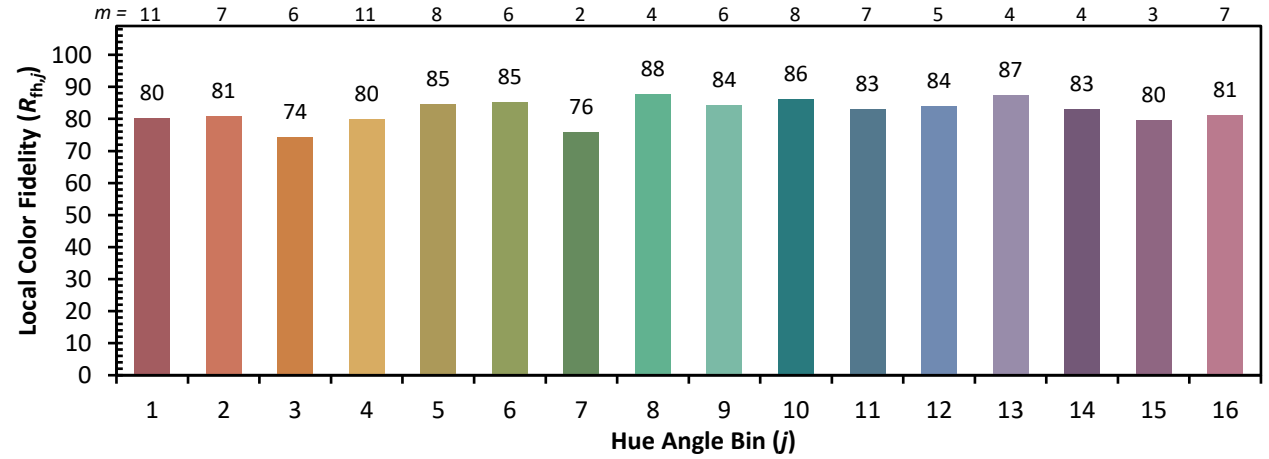
REPORT NUMBER: SP1-2407-184-8

TM-30-18

Color Rendition by Hue-Angle Bin



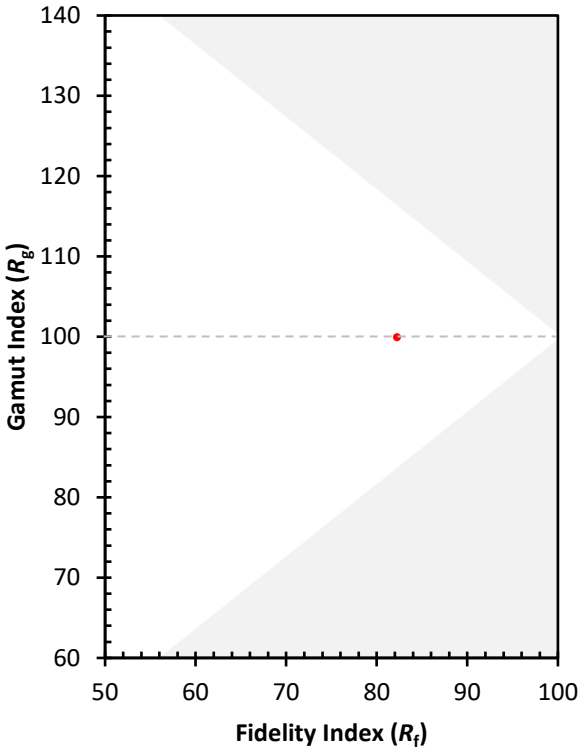


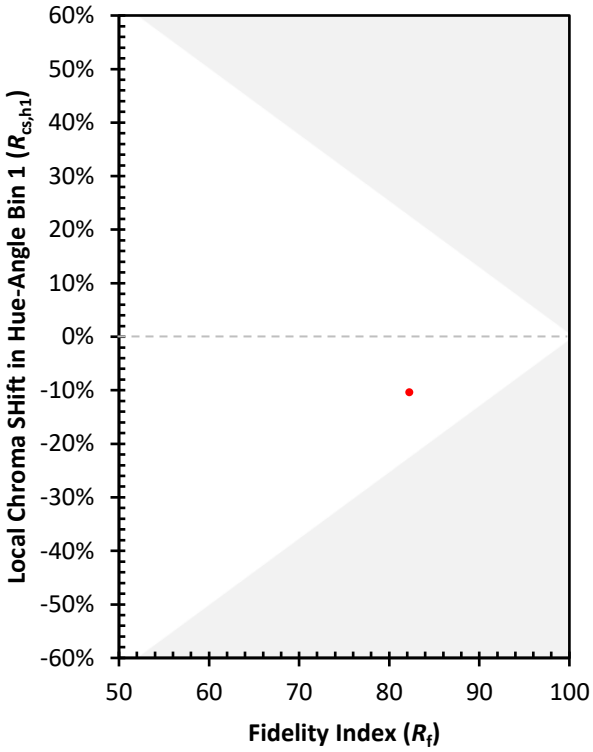


REPORT NUMBER: SP1-2407-184-8

TM-30-18

Measure Comparisons





(END OF REPORT)