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: P1501853

Luminaire Tested: GSS-SB1A-760-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:	P1501853
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-760-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 5700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 5700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3495.1 lumens
Efficiency:	N/A
Efficacy:	112.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

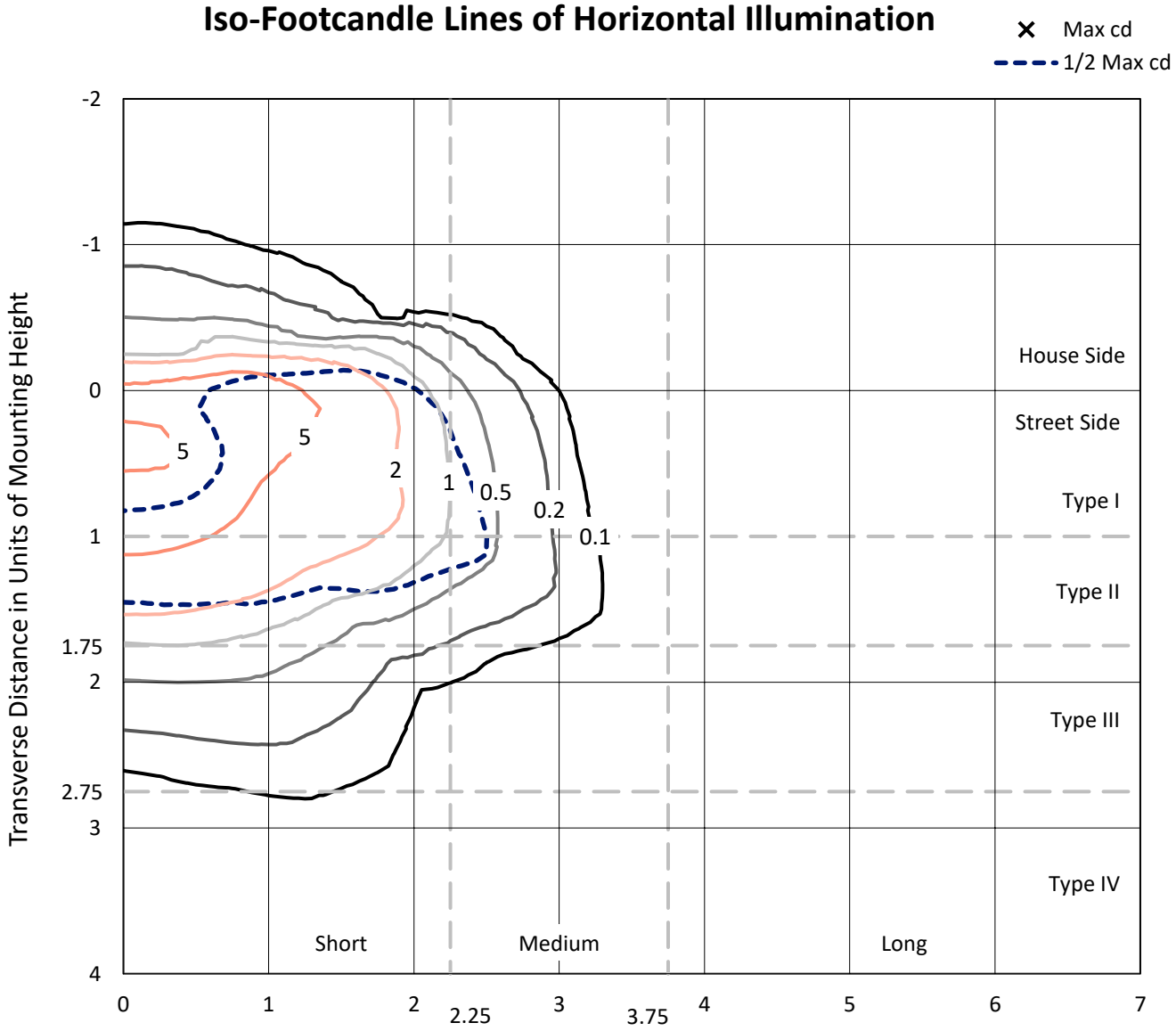
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



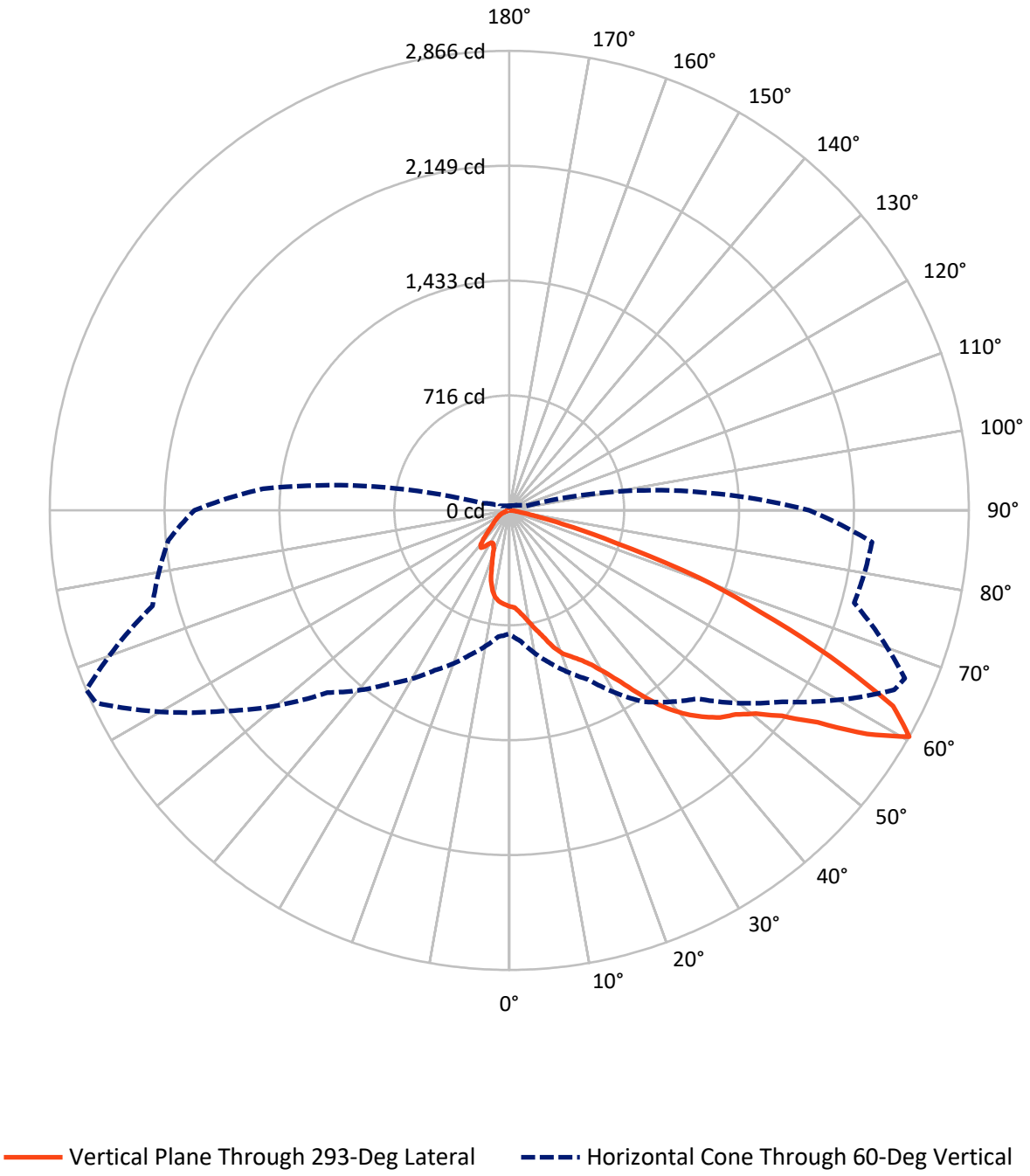
Based on 10 foot mounting height. Maximum calculated value = 10 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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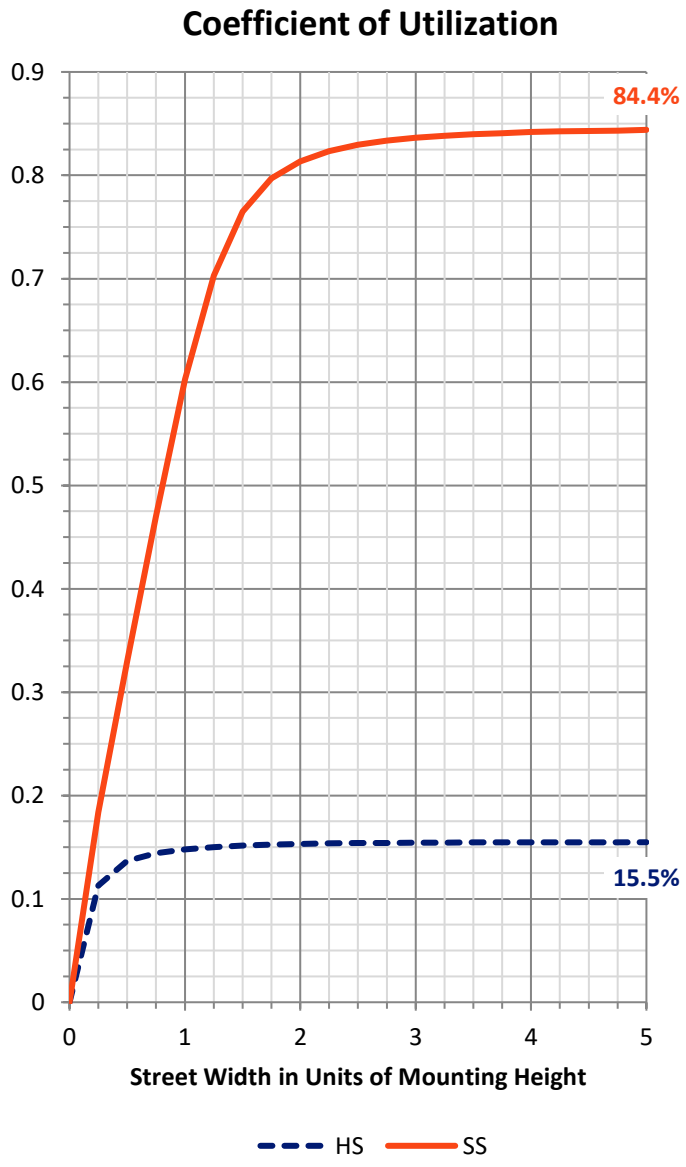
REPORT NUMBER: P1501853
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	545.3	0.0	545.3
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	2949.8	0.0	2949.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	3495.1	0.0	3495.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	1.6
10°-20°	136.6	3.9
20°-30°	255.0	7.3
30°-40°	505.7	14.5
40°-50°	806.3	23.1
50°-60°	963.4	27.6
60°-70°	631.5	18.1
70°-80°	132.3	3.8
80°-90°	10.0	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°	3495.1	100.0
0°-180°	3495.1	100.0



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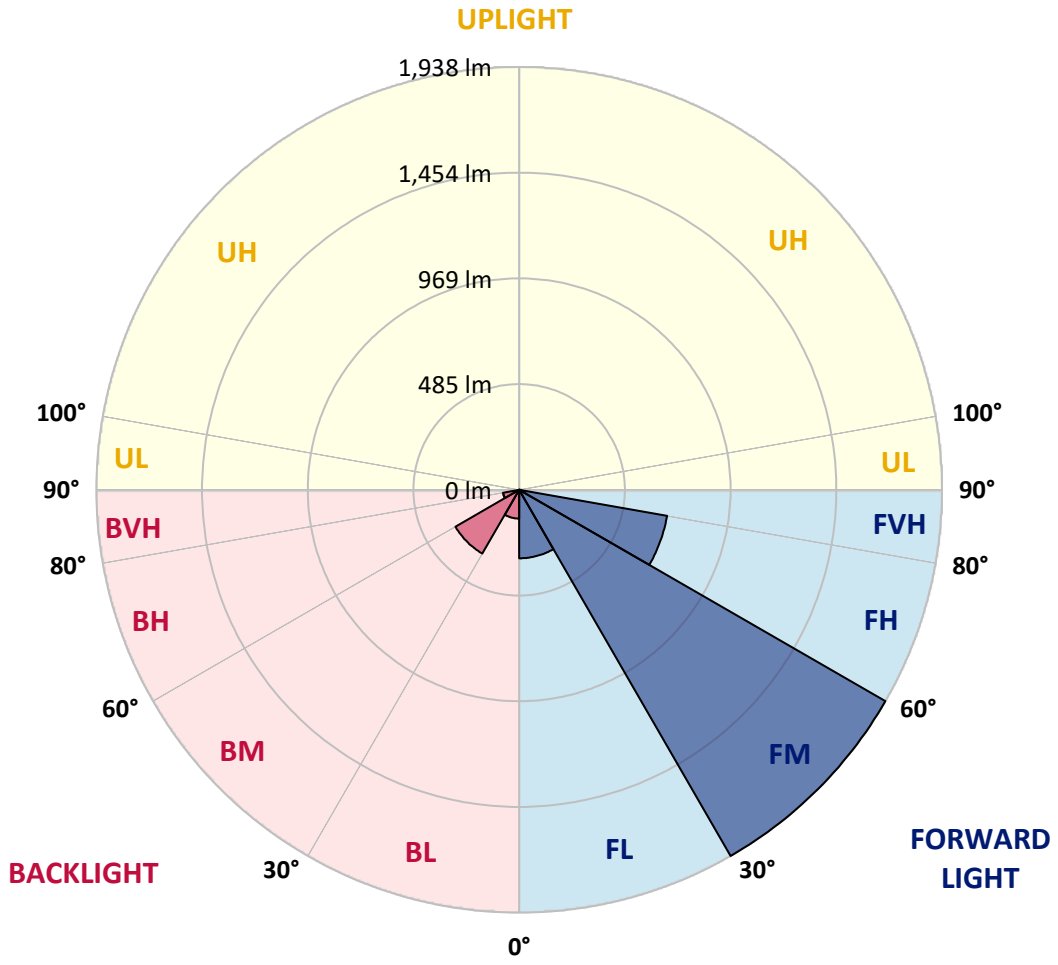
Scaled Data Report

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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°)	313.9	9.0			
FM	(30°-60°)	1938.2	55.5			
FH	(60°-80°)	688.5	19.7			G1/1800
FVH	(80°-90°)	9.2	0.3			G0/10
BL	(0°-30°)	131.9	3.8	B1/500		
BM	(30°-60°)	337.2	9.6	B1/1000		
BH	(60°-80°)	75.3	2.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0
2.5°	629.4	627.4	624.5	625.5	624.5	620.6	614.7	609.8	613.7	607.8	603.9
5°	648.0	648.0	646.0	646.0	647.0	645.0	641.1	634.3	635.2	630.4	617.6
7.5°	648.0	645.0	649.9	654.8	663.6	668.5	670.5	666.6	668.5	658.7	642.1
10°	609.8	607.8	620.6	639.2	664.6	687.1	701.8	702.8	705.7	695.9	676.4
12.5°	528.6	524.6	550.1	585.3	637.2	689.1	730.2	745.8	752.7	748.8	721.4
15°	453.2	458.1	475.7	513.9	583.4	662.7	745.8	797.7	807.5	812.4	780.1
17.5°	445.4	446.3	452.2	470.8	523.7	619.6	747.8	851.6	865.3	886.8	842.8
20°	466.9	464.9	470.8	476.7	502.1	581.4	729.2	903.4	929.9	975.9	927.9
22.5°	507.0	507.0	510.0	513.9	526.6	578.5	721.4	951.4	996.4	1090.4	1034.6
25°	574.6	566.7	568.7	563.8	574.6	613.7	739.0	989.6	1051.2	1217.6	1161.8
27.5°	679.3	682.2	664.6	638.2	644.1	677.3	782.1	1032.6	1108.0	1349.8	1291.0
30°	824.2	819.3	808.5	756.6	733.1	762.5	861.3	1103.1	1184.4	1517.1	1463.3
32.5°	937.7	951.4	932.8	896.6	860.4	869.2	972.9	1216.7	1277.3	1670.8	1641.5
35°	1074.7	1074.7	1078.6	1027.7	1003.3	1001.3	1112.9	1340.0	1400.7	1809.8	1830.4
37.5°	1259.7	1247.0	1225.5	1168.7	1150.1	1174.6	1244.1	1467.2	1532.8	1922.4	1977.2
40°	1415.4	1424.2	1421.2	1339.0	1302.8	1329.2	1390.9	1575.9	1626.8	1994.8	2095.6
42.5°	1568.0	1572.9	1560.2	1521.1	1468.2	1470.2	1521.1	1658.1	1710.0	2064.3	2207.2
45°	1682.6	1681.6	1672.8	1663.0	1631.7	1599.4	1608.2	1749.1	1794.2	2086.8	2267.9
47.5°	1718.8	1726.6	1734.4	1761.8	1783.4	1732.5	1687.5	1798.1	1839.2	2082.9	2290.4
50°	1685.5	1702.1	1740.3	1781.4	1854.8	1850.9	1754.0	1850.9	1891.1	2104.4	2316.8
52.5°	1611.1	1627.8	1678.7	1753.0	1863.6	1918.5	1877.3	1940.0	1987.0	2159.2	2371.6
55°	1437.9	1444.7	1549.4	1647.3	1819.6	1889.1	2009.5	2090.7	2129.9	2225.8	2444.1
57.5°	1170.7	1187.3	1290.1	1449.6	1696.3	1811.8	2084.9	2348.2	2347.2	2289.4	2459.7
60°	*770.3*	*819.3*	*986.6*	*1162.8*	*1457.4*	*1660.1*	*2080.0*	*2649.6*	*2680.0*	*2226.8*	*2270.8*
62.5°	588.3	608.8	703.8	850.6	1078.6	1376.2	2047.7	2739.7	2763.2	2058.4	1988.0
65°	442.4	467.9	558.9	690.1	761.5	932.8	1836.2	2381.4	2413.7	1837.2	1545.5
67.5°	271.1	291.7	413.1	566.7	576.5	579.5	1239.2	1803.9	1815.7	1481.9	1040.5
70°	181.1	201.6	285.8	435.6	459.1	333.8	680.3	1365.4	1364.5	1014.0	632.3
72.5°	104.7	114.5	181.1	321.0	361.2	212.4	339.6	868.2	830.0	476.7	295.6
75°	59.7	66.6	99.8	206.5	253.5	135.1	134.1	464.9	411.1	245.7	161.5
77.5°	36.2	39.2	54.8	135.1	152.7	91.0	74.4	216.3	208.5	143.9	85.2
80°	17.6	20.6	33.3	79.3	97.9	48.9	45.0	85.2	91.0	79.3	45.0
82.5°	5.9	7.8	18.6	30.3	63.6	19.6	18.6	47.0	49.9	47.0	21.5
85°	2.9	3.9	8.8	9.8	24.5	9.8	6.9	20.6	25.4	15.7	8.8
87.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0
2.5°	601.0	599.0	595.1	588.3	587.3	582.4	574.6	569.7	565.7	568.7	569.7
5°	611.8	606.9	595.1	576.5	556.9	537.4	518.8	497.2	482.6	480.6	476.7
7.5°	631.3	621.5	596.1	559.9	510.0	463.0	408.2	355.3	328.9	325.0	316.2
10°	662.7	646.0	603.9	530.5	434.6	336.7	253.5	196.7	164.4	158.6	160.5
12.5°	699.8	676.4	604.9	480.6	330.8	208.5	143.9	122.4	115.5	112.6	112.6
15°	747.8	713.5	603.9	416.0	223.2	134.1	115.5	106.7	103.8	101.8	101.8
17.5°	808.5	763.5	597.1	319.1	150.7	116.5	105.7	98.9	94.9	94.0	94.0
20°	879.9	819.3	581.4	237.8	126.3	108.6	99.8	91.0	88.1	86.1	86.1
22.5°	971.0	886.8	551.1	185.0	119.4	103.8	94.0	84.2	81.2	79.3	79.3
25°	1076.7	972.9	510.9	166.4	118.4	99.8	88.1	78.3	75.4	74.4	73.4
27.5°	1202.0	1064.9	473.7	167.4	120.4	96.9	82.2	73.4	70.5	67.5	68.5
30°	1349.8	1159.9	443.4	179.1	122.4	94.0	78.3	70.5	67.5	63.6	63.6
32.5°	1495.6	1271.5	440.5	200.7	129.2	92.0	74.4	66.6	63.6	60.7	60.7
35°	1645.4	1373.3	457.1	229.0	142.9	89.1	69.5	62.6	59.7	57.7	56.8
37.5°	1788.3	1454.5	472.8	246.7	135.1	76.3	63.6	57.7	54.8	50.9	50.9
40°	1883.2	1498.6	475.7	233.0	111.6	68.5	57.7	51.9	48.0	46.0	45.0
42.5°	1952.7	1526.9	442.4	188.9	96.9	62.6	52.9	47.0	44.0	42.1	42.1
45°	1981.1	1517.1	385.6	143.9	89.1	57.7	48.0	43.1	41.1	39.2	39.2
47.5°	1977.2	1472.1	327.9	115.5	81.2	52.9	45.0	41.1	39.2	37.2	36.2
50°	1970.3	1430.0	269.2	102.8	72.4	49.9	42.1	39.2	36.2	34.3	33.3
52.5°	2015.4	1416.3	223.2	94.0	67.5	48.0	41.1	37.2	34.3	32.3	32.3
55°	2060.4	1422.2	175.2	88.1	62.6	47.0	40.1	36.2	33.3	30.3	30.3
57.5°	2057.4	1396.8	133.1	82.2	58.7	46.0	39.2	35.2	30.3	28.4	28.4
60°	*1870.5*	*1246.0*	*103.8*	*75.4*	*53.8*	*43.1*	*36.2*	*33.3*	*28.4*	*25.4*	*25.4*
62.5°	1581.7	979.8	85.2	66.6	48.0	39.2	33.3	30.3	25.4	20.6	20.6
65°	1168.7	706.7	68.5	57.7	44.0	34.3	30.3	26.4	20.6	16.6	15.7
67.5°	790.9	434.6	54.8	48.0	39.2	29.4	25.4	22.5	18.6	13.7	12.7
70°	468.8	231.0	40.1	33.3	29.4	21.5	21.5	19.6	15.7	11.7	10.8
72.5°	223.2	80.3	29.4	24.5	22.5	15.7	16.6	16.6	12.7	8.8	7.8
75°	113.5	39.2	19.6	17.6	14.7	11.7	13.7	12.7	8.8	5.9	5.9
77.5°	64.6	27.4	13.7	11.7	9.8	7.8	8.8	7.8	4.9	2.9	2.9
80°	36.2	19.6	8.8	7.8	5.9	4.9	4.9	3.9	2.9	1.0	1.0
82.5°	13.7	11.7	5.9	3.9	2.9	2.9	2.0	2.0	1.0	0.0	0.0
85°	5.9	2.9	2.9	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0
2.5°	561.8	563.8	565.7	573.6	575.5	581.4	586.3	592.2	593.2	601.0	601.0
5°	484.5	483.5	500.2	524.6	540.3	561.8	578.5	596.1	605.9	618.6	624.5
7.5°	321.0	345.5	382.7	425.8	481.6	533.4	572.6	606.9	630.4	645.0	650.9
10°	159.5	173.2	212.4	282.9	377.8	483.5	566.7	630.4	668.5	685.2	695.9
12.5°	112.6	115.5	122.4	160.5	251.6	401.3	548.1	655.8	708.7	740.0	753.7
15°	100.8	102.8	105.7	116.5	155.6	299.5	514.9	684.2	771.3	807.5	825.1
17.5°	93.0	94.0	96.9	105.7	122.4	203.6	461.0	714.5	846.7	890.7	924.0
20°	86.1	86.1	89.1	99.8	113.5	156.6	383.7	748.8	942.6	1006.2	1039.5
22.5°	78.3	80.3	82.2	94.0	110.6	142.9	311.3	775.2	1049.3	1126.6	1165.8
25°	72.4	74.4	76.3	88.1	107.7	142.9	269.2	791.9	1168.7	1260.7	1314.5
27.5°	67.5	69.5	72.4	84.2	104.7	148.8	252.5	796.7	1298.9	1418.3	1490.7
30°	63.6	65.6	68.5	81.2	106.7	155.6	258.4	789.9	1431.0	1580.8	1666.9
32.5°	59.7	61.7	64.6	78.3	106.7	164.4	278.0	776.2	1559.2	1743.3	1849.0
35°	56.8	57.7	58.7	70.5	96.9	163.5	302.5	762.5	1688.4	1903.8	2027.1
37.5°	50.9	51.9	53.8	60.7	77.3	148.8	307.3	745.8	1790.2	2038.9	2174.9
40°	45.0	47.0	48.9	55.8	64.6	120.4	285.8	710.6	1844.1	2142.6	2308.0
42.5°	41.1	42.1	44.0	50.9	59.7	95.9	239.8	648.9	1892.0	2213.1	2404.9
45°	38.2	39.2	41.1	46.0	55.8	83.2	188.9	573.6	1895.9	2235.6	2451.9
47.5°	35.2	36.2	37.2	42.1	53.8	74.4	144.9	505.1	1895.0	2265.0	2492.0
50°	33.3	34.3	36.2	40.1	50.9	66.6	119.4	449.3	1936.1	2328.6	2573.3
52.5°	32.3	32.3	35.2	39.2	48.0	60.7	99.8	399.4	1957.6	2391.2	2632.0
55°	30.3	31.3	33.3	37.2	45.0	57.7	85.2	336.7	1967.4	2422.5	2642.8
57.5°	28.4	29.4	32.3	35.2	43.1	54.8	73.4	251.6	1827.4	2259.1	2462.7
60°	*25.4*	*27.4*	*31.3*	*34.3*	*40.1*	*49.9*	*64.6*	*170.3*	*1541.6*	*1963.5*	*2133.8*
62.5°	20.6	24.5	28.4	30.3	36.2	42.1	54.8	113.5	1231.3	1624.8	1818.6
65°	15.7	20.6	23.5	26.4	30.3	35.2	46.0	77.3	821.2	1093.3	1311.6
67.5°	13.7	17.6	19.6	21.5	25.4	30.3	37.2	53.8	498.2	656.8	872.1
70°	10.8	14.7	16.6	15.7	19.6	23.5	26.4	36.2	254.5	356.3	496.3
72.5°	7.8	11.7	12.7	12.7	11.7	16.6	19.6	25.4	110.6	173.2	225.1
75°	5.9	7.8	8.8	7.8	6.9	10.8	13.7	16.6	72.4	103.8	131.2
77.5°	2.9	2.9	4.9	4.9	2.9	5.9	6.9	9.8	41.1	60.7	75.4
80°	1.0	0.0	0.0	1.0	0.0	2.0	2.9	4.9	21.5	32.3	47.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.8	9.8	24.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.9
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

REPORT NUMBER: P1501853
CATALOG NUMBER: GSS-SB1A-760-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	599.0	*599.0*	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0
2.5°	605.9	*605.9*	609.8	615.7	618.6	620.6	621.5	623.5	631.3	629.4
5°	631.3	*633.3*	636.2	642.1	648.9	647.0	647.0	647.0	651.9	648.0
7.5°	664.6	*670.5*	671.5	678.3	673.4	663.6	657.8	648.9	648.0	648.0
10°	718.4	*716.5*	716.5	707.7	690.1	661.7	636.2	618.6	608.8	609.8
12.5°	776.2	*768.4*	769.3	737.0	687.1	624.5	572.6	534.4	531.5	528.6
15°	847.6	*827.1*	823.2	748.8	643.1	547.2	496.3	465.9	456.1	453.2
17.5°	949.4	*897.6*	879.0	728.2	585.3	499.2	461.0	447.3	446.3	445.4
20°	1057.1	*954.3*	919.1	697.9	565.7	500.2	471.8	467.9	465.9	466.9
22.5°	1182.4	*990.6*	945.5	702.8	583.4	532.5	510.0	507.0	505.1	507.0
25°	1311.6	*1032.6*	976.8	741.9	636.2	592.2	565.7	559.9	565.7	574.6
27.5°	1441.8	*1089.4*	1038.5	819.3	721.4	673.4	648.0	669.5	678.3	679.3
30°	1557.3	*1168.7*	1121.7	927.9	818.3	770.3	775.2	802.6	813.4	824.2
32.5°	1663.0	*1274.4*	1238.2	1051.2	943.6	915.2	912.2	932.8	944.5	937.7
35°	1769.7	*1412.4*	1377.2	1185.3	1097.2	1073.7	1049.3	1089.4	1085.5	1074.7
37.5°	1870.5	*1551.4*	1519.1	1329.2	1238.2	1197.1	1193.2	1229.4	1261.7	1259.7
40°	1942.9	*1664.0*	1624.8	1472.1	1386.0	1350.8	1371.3	1433.9	1426.1	1415.4
42.5°	2009.5	*1759.9*	1724.7	1597.4	1507.4	1523.0	1541.6	1583.7	1578.8	1568.0
45°	2040.8	*1842.1*	1811.8	1692.4	1648.3	1698.2	1697.2	1712.9	1686.5	1682.6
47.5°	2084.9	*1900.8*	1869.5	1777.5	1816.7	1837.2	1779.5	1762.8	1738.4	1718.8
50°	2166.1	*1991.9*	1960.5	1906.7	1940.0	1876.4	1805.9	1769.7	1719.8	1685.5
52.5°	2261.0	*2129.9*	2102.5	2080.9	1988.0	1856.8	1766.7	1701.2	1640.5	1611.1
55°	2380.5	*2333.5*	2313.9	2195.5	1944.9	1776.5	1670.8	1548.5	1465.3	1437.9
57.5°	2419.6	*2632.0*	2625.2	2214.1	1824.5	1630.7	1439.8	1274.4	1188.3	1170.7
60°	*2304.1*	*2865.9*	*2841.5*	*2182.7*	*1606.2*	*1323.3*	*1100.2*	*930.8*	*790.9*	*770.3*
62.5°	2156.3	*2686.8*	2678.0	2025.1	1223.5	948.5	822.2	663.6	603.9	588.3
65°	1847.0	*2198.4*	2202.3	1624.8	774.2	681.2	675.4	527.6	454.2	442.4
67.5°	1422.2	*1686.5*	1659.1	1021.9	451.2	545.2	539.3	385.6	279.0	271.1
70°	831.0	*1255.8*	1211.8	531.5	298.5	455.1	415.0	271.1	189.9	181.1
72.5°	367.1	*691.0*	741.9	233.9	210.4	362.2	299.5	166.4	106.7	104.7
75°	203.6	*342.6*	358.2	101.8	147.8	257.4	181.1	93.0	60.7	59.7
77.5°	122.4	*151.7*	147.8	65.6	110.6	164.4	109.6	52.9	38.2	36.2
80°	68.5	*69.5*	58.7	48.0	65.6	92.0	61.7	33.3	17.6	17.6
82.5°	42.1	*38.2*	30.3	14.7	17.6	55.8	22.5	18.6	5.9	5.9
85°	17.6	*11.7*	7.8	2.9	6.9	14.7	7.8	8.8	2.9	2.9
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: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

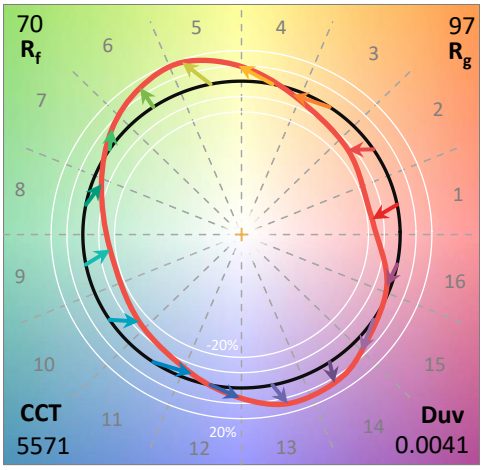
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-7
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-757-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5700K CCT 26 LEDS

Spectral Parameters

CCT (K):	5571
CIE u':	0.2033
CIE v':	0.4806
Duv:	0.0041
CIE x:	0.3308
CIE y:	0.3476
CIE z:	0.3216
Peak Wavelength (nm):	442
Dominant Wavelength (nm):	544
Purity:	3.635698
Rf:	70.4
Rg:	97.1

CRI (Ra):	69.9
R1:	68.8
R2:	72.5
R3:	76.8
R4:	72.0
R5:	70.9
R6:	65.6
R7:	75.5
R8:	56.8
R9:	-35.4
R10:	36.7
R11:	73.9
R12:	47.8
R13:	68.0
R14:	87.0
R15:	59.8



Test Conditions

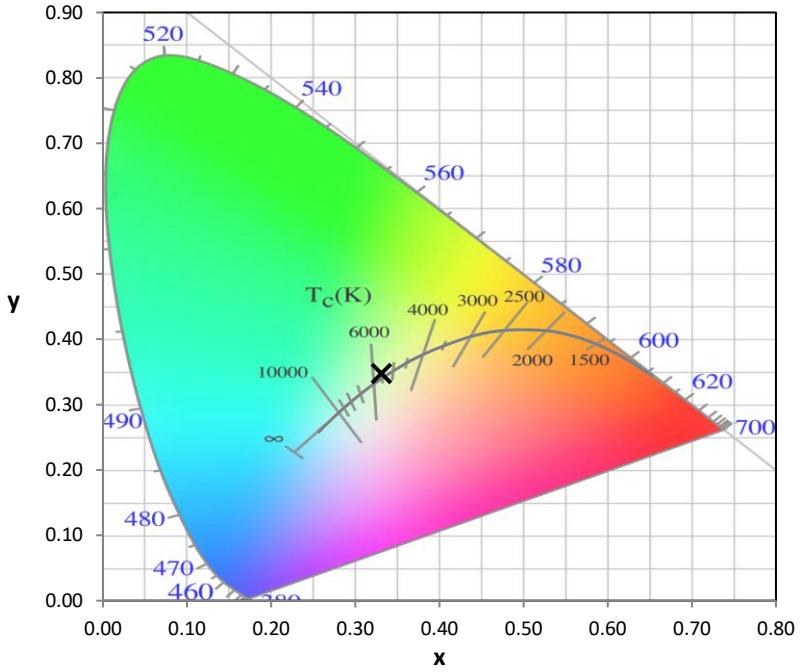
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-7

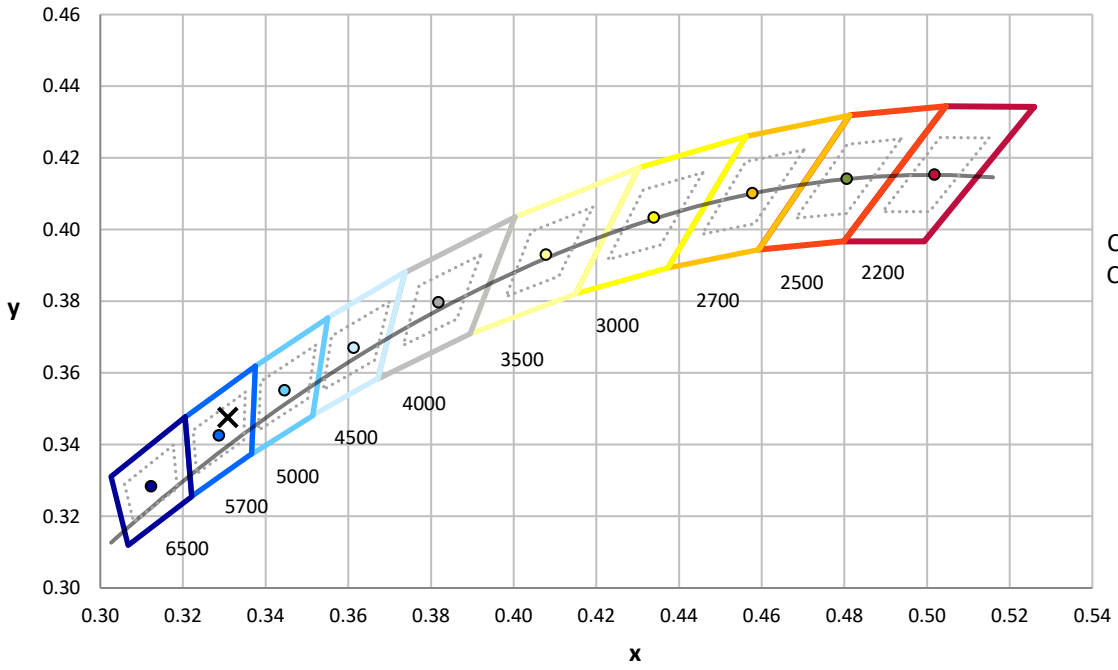
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

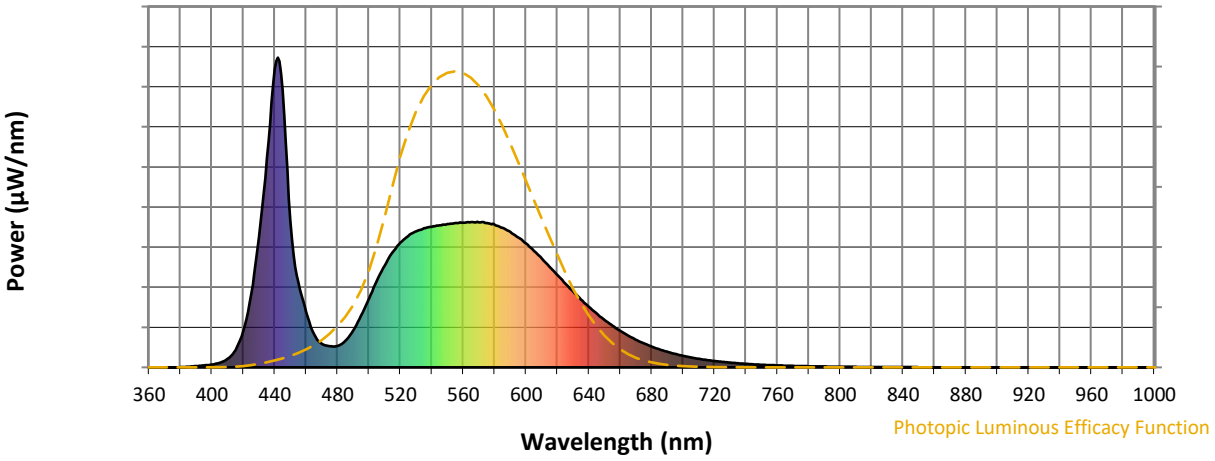


CCT = 5571K
CIE x = 0.3308
CIE y = 0.3476
Duv = 0.0041

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

Photopic Flux vs. Wavelength

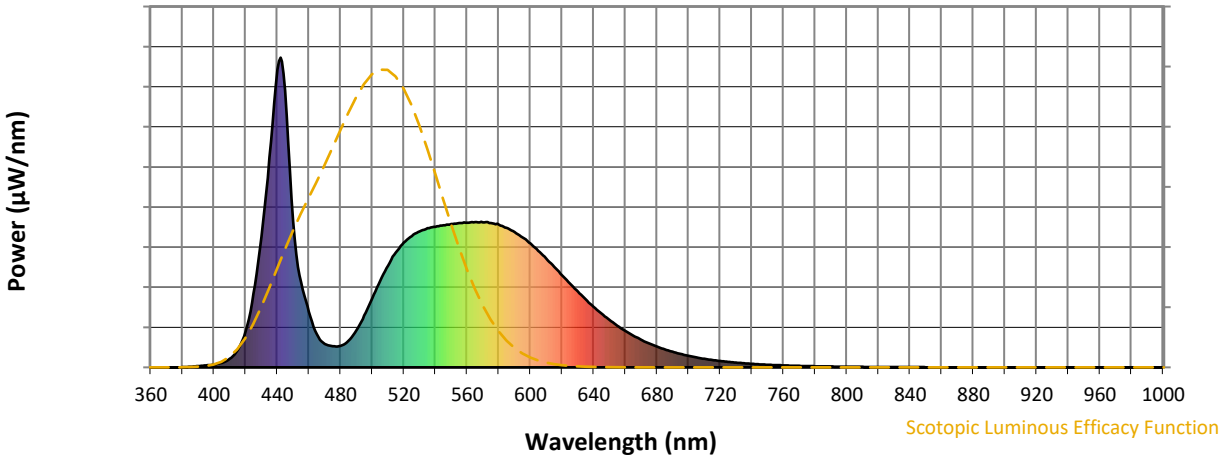


Photopic Lumens: NR

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Scotopic Flux vs. Wavelength

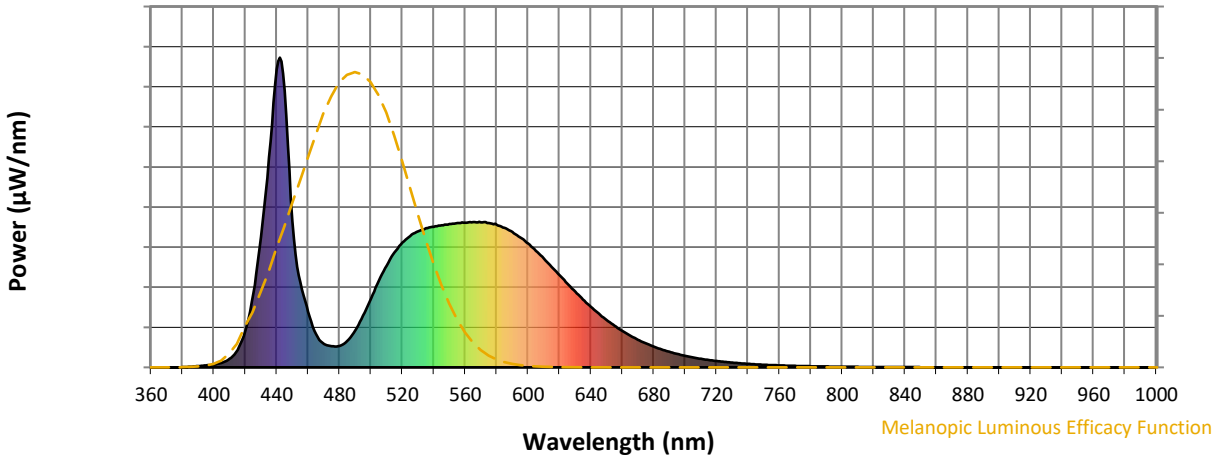


Scotopic Lumens: NR **S/P: 1.84**

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.71**

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

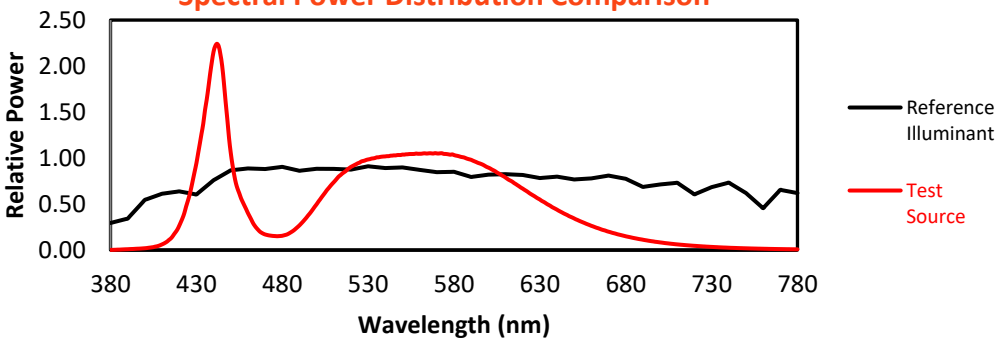
REPORT NUMBER: SP1-2407-184-7

TM-30-18

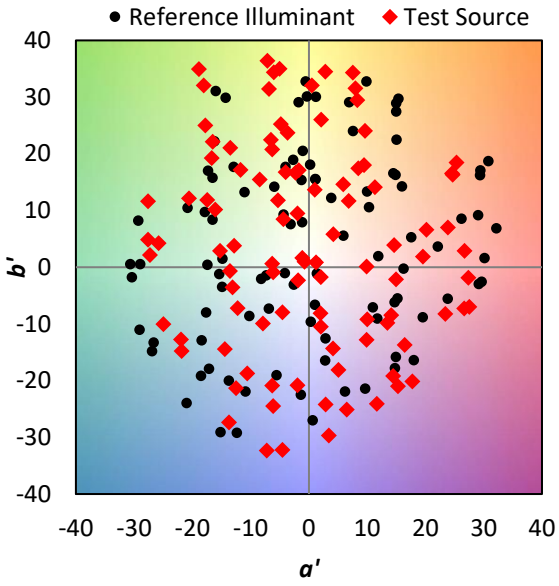
Summary

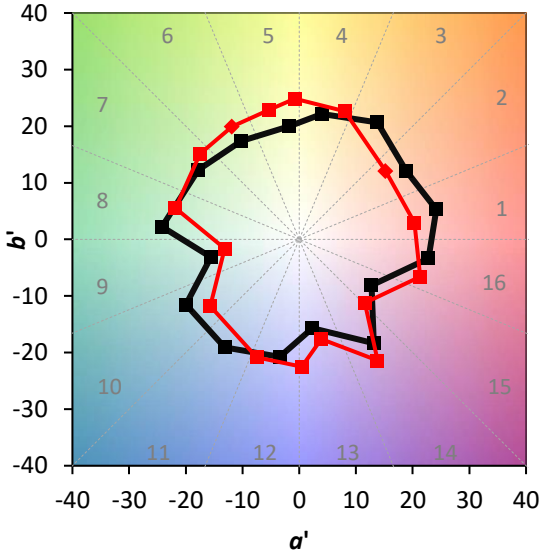
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R_g = 97.1
CIE R_a = 69.9
R_9 = -35.4

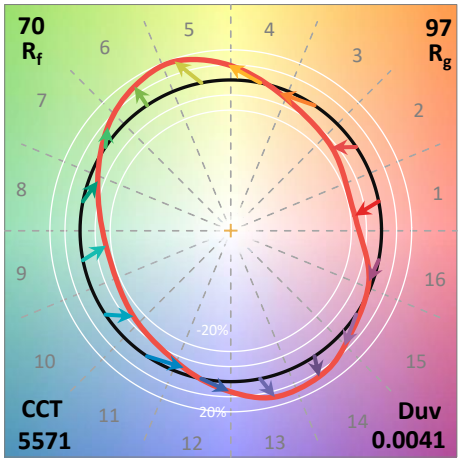
Spectral Power Distribution Comparison

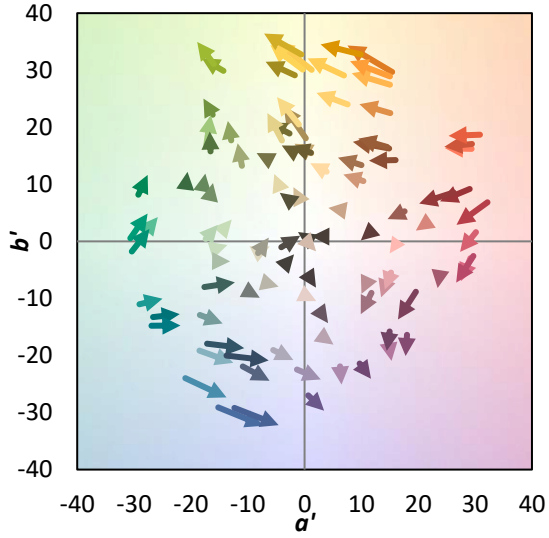


Color Vector Graphics







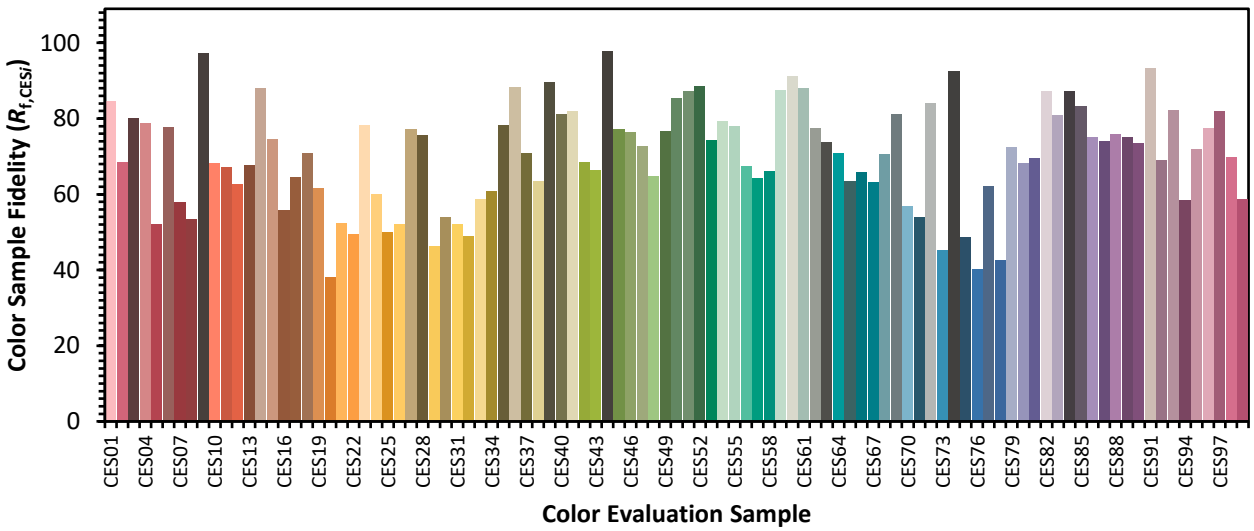


REPORT NUMBER: SP1-2407-184-7

TM-30-18

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

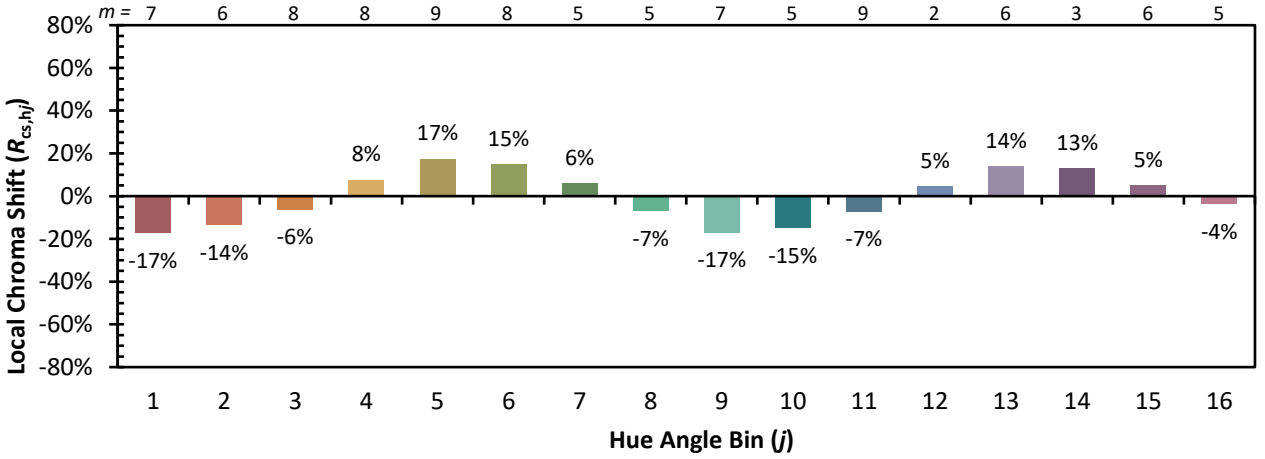
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CES02 = 59	CES27 = 77	CES52 = 88	CES77 = 62
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 43
CES04 = 68	CES29 = 46	CES54 = 79	CES79 = 72
CES05 = 45	CES30 = 54	CES55 = 78	CES80 = 68
CES06 = 49	CES31 = 52	CES56 = 67	CES81 = 70
CES07 = 38	CES32 = 49	CES57 = 64	CES82 = 87
CES08 = 37	CES33 = 59	CES58 = 66	CES83 = 81
CES09 = 29	CES34 = 61	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 78	CES60 = 91	CES85 = 83
CES11 = 55	CES36 = 88	CES61 = 88	CES86 = 75
CES12 = 61	CES37 = 71	CES62 = 77	CES87 = 74
CES13 = 41	CES38 = 64	CES63 = 74	CES88 = 76
CES14 = 74	CES39 = 90	CES64 = 71	CES89 = 75
CES15 = 70	CES40 = 81	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 82	CES66 = 66	CES91 = 93
CES17 = 48	CES42 = 69	CES67 = 63	CES92 = 69
CES18 = 55	CES43 = 67	CES68 = 71	CES93 = 82
CES19 = 70	CES44 = 98	CES69 = 81	CES94 = 58
CES20 = 63	CES45 = 77	CES70 = 57	CES95 = 72
CES21 = 85	CES46 = 76	CES71 = 54	CES96 = 78
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 45	CES98 = 70
CES24 = 90	CES49 = 77	CES74 = 92	CES99 = 59
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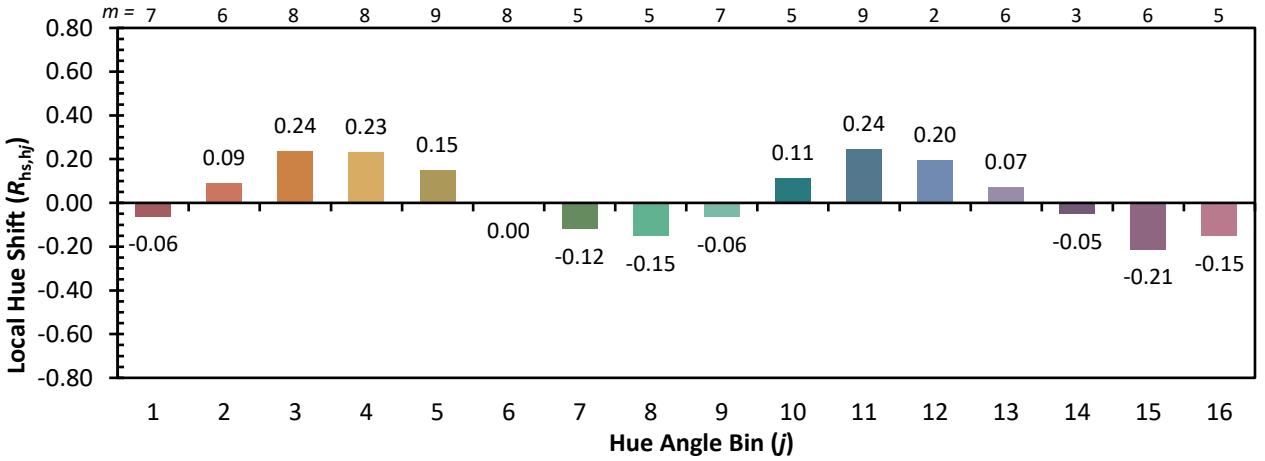


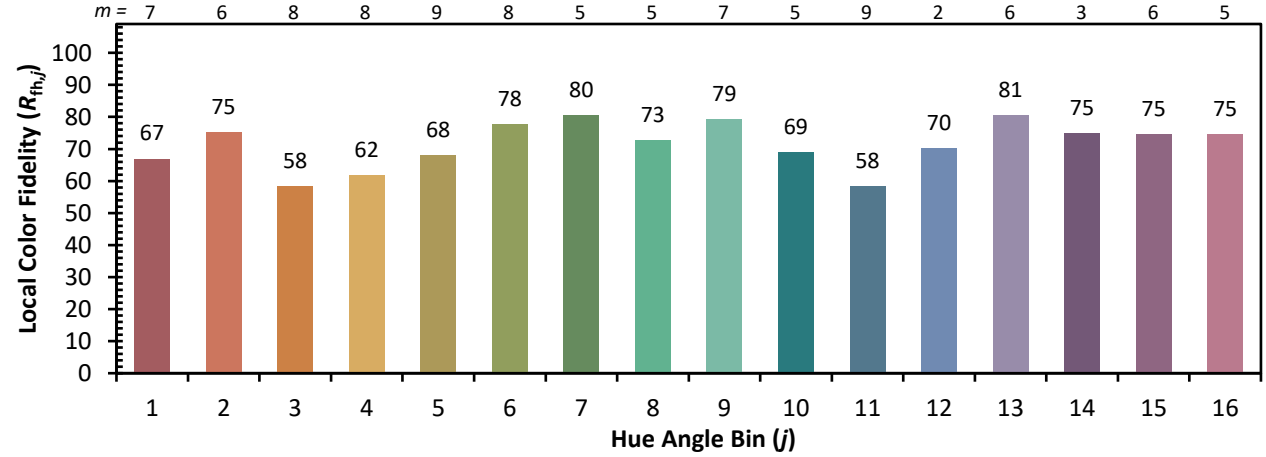
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Color Rendition by Hue-Angle Bin



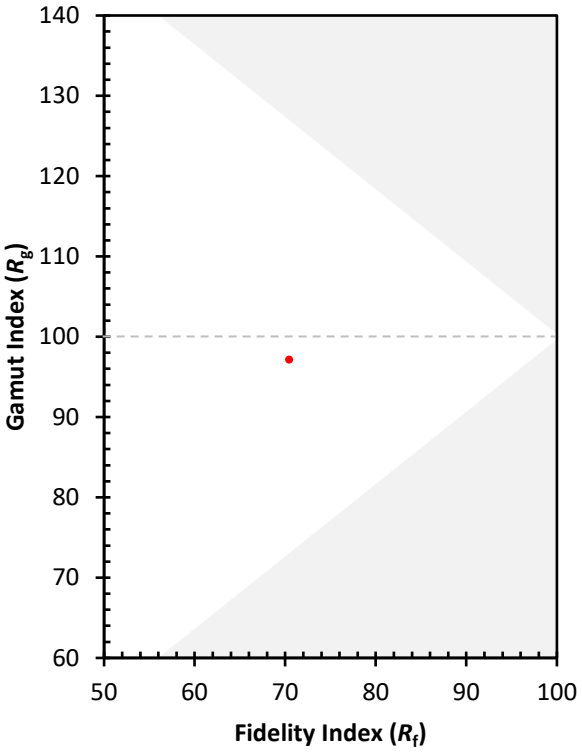


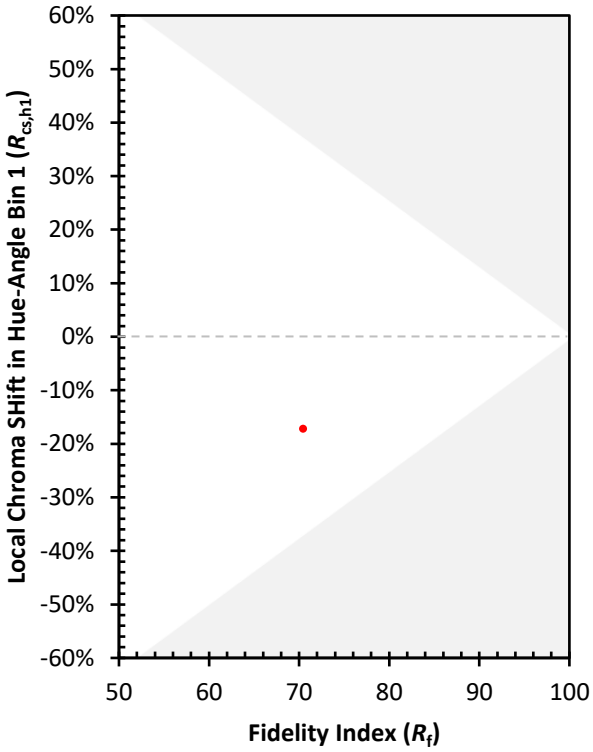


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Measure Comparisons





(END OF REPORT)