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: P1501351

Luminaire Tested: GSS-SB1C-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:	P1501351
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 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:	5572 lumens
Efficiency:	N/A
Efficacy:	107.2 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

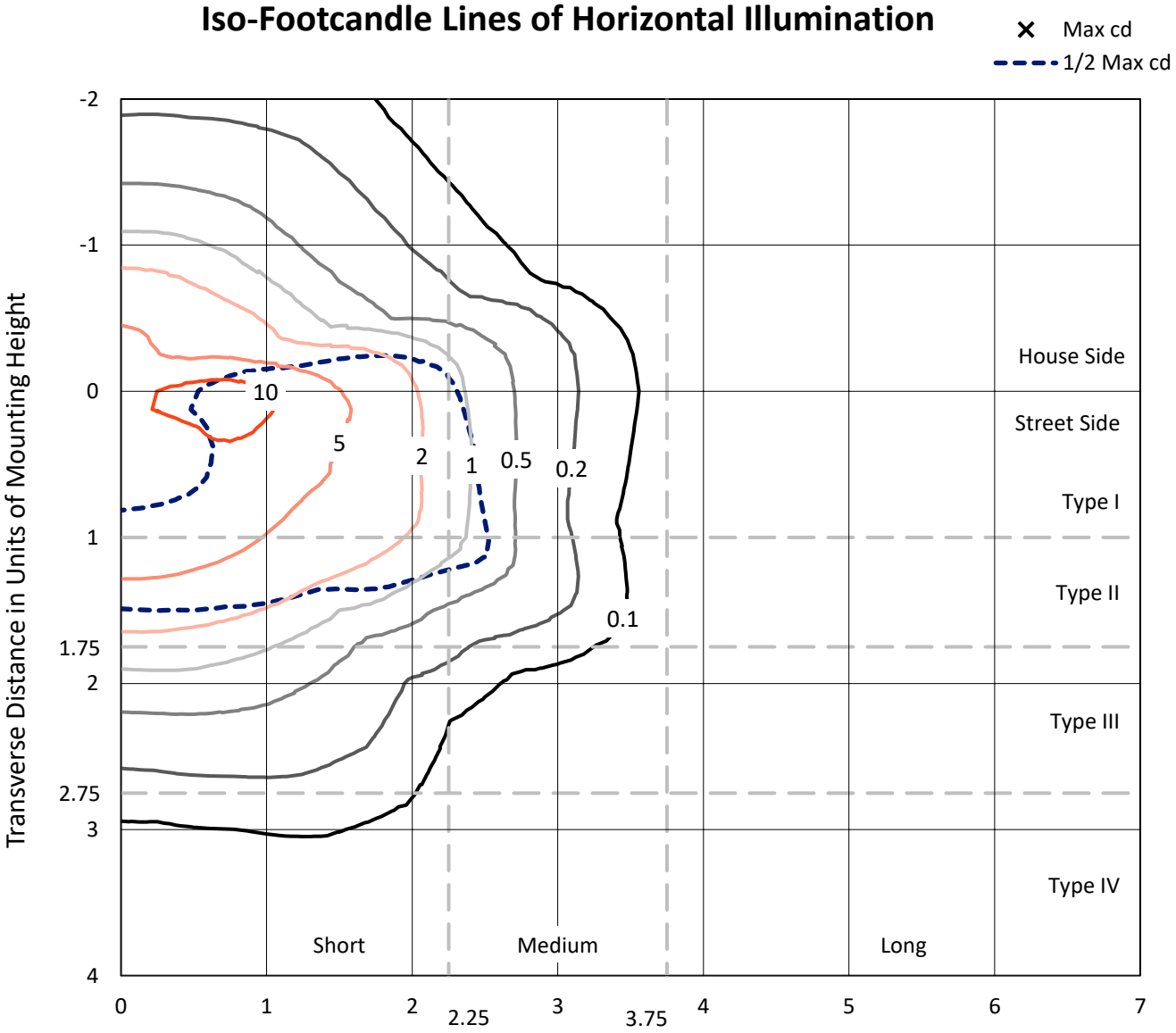
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



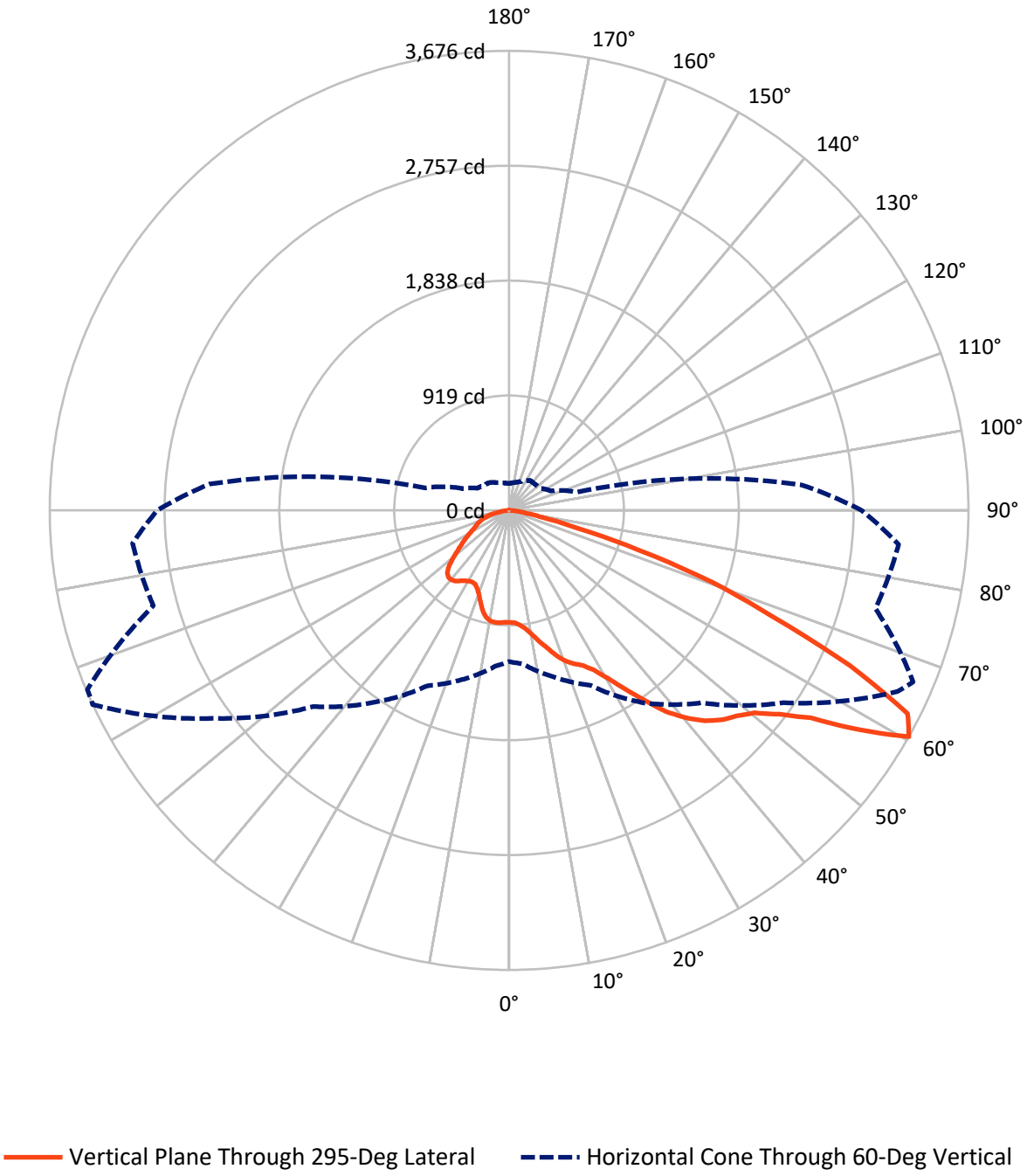
Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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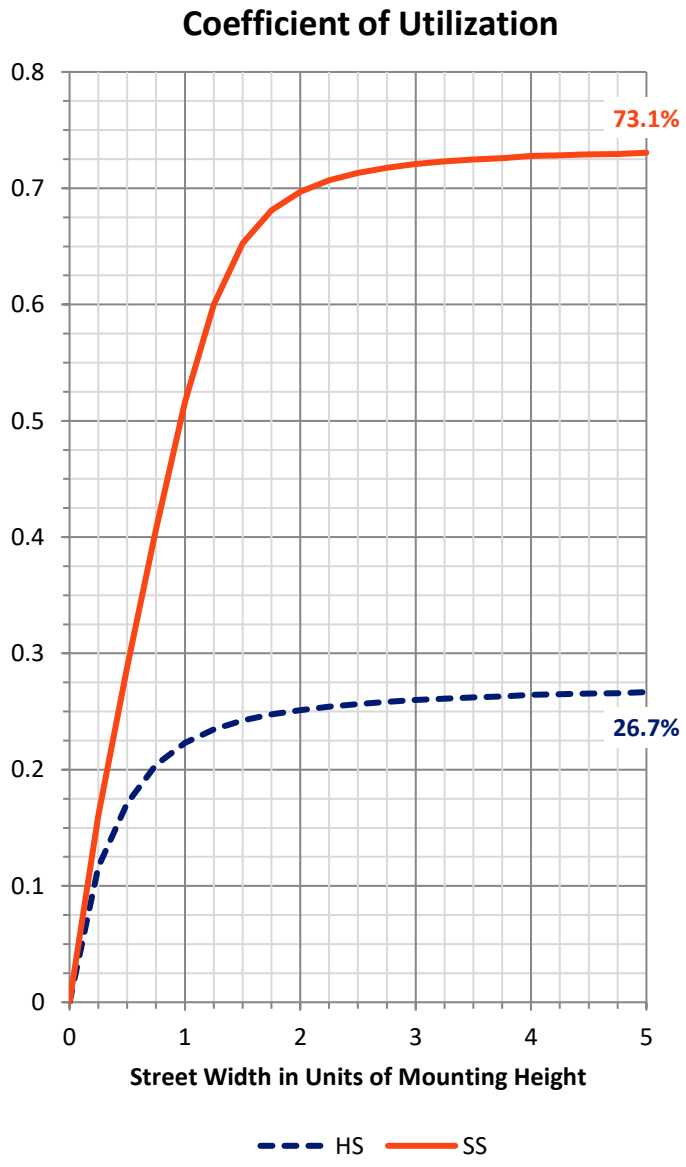
REPORT NUMBER: P1501351
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1498.4	0.0	1498.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4073.6	0.0	4073.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	5572.0	0.0	5572.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.5
10°-20°	242.3	4.3
20°-30°	459.0	8.2
30°-40°	809.2	14.5
40°-50°	1196.7	21.5
50°-60°	1405.2	25.2
60°-70°	1018.1	18.3
70°-80°	314.0	5.6
80°-90°	43.2	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°	5572.0	100.0
0°-180°	5572.0	100.0



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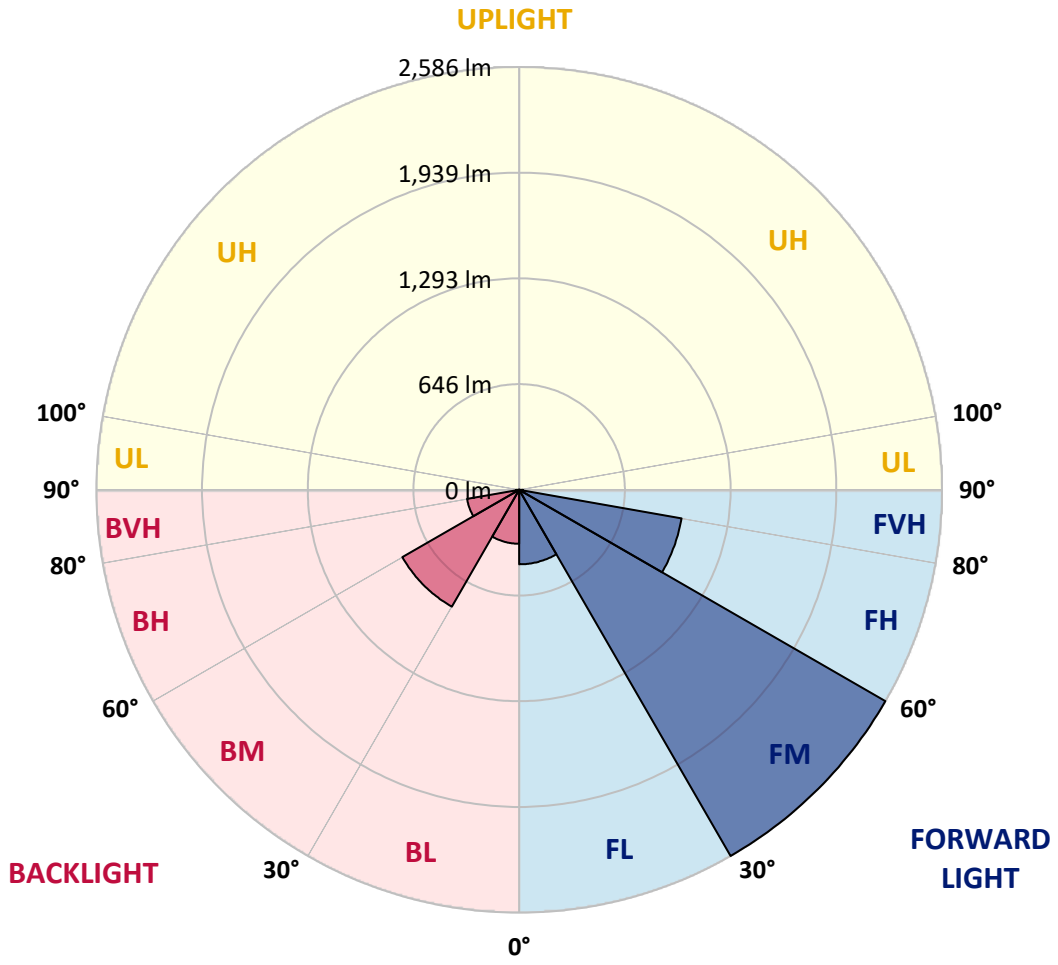
Scaled Data Report

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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°)	455.6	8.2			
FM	(30°-60°)	2586.0	46.4			
FH	(60°-80°)	1008.7	18.1			G1/1800
FVH	(80°-90°)	23.3	0.4			G1/100
BL	(0°-30°)	330.0	5.9	B1/500		
BM	(30°-60°)	825.1	14.8	B1/1000		
BH	(60°-80°)	323.4	5.8	B1/500		G1/500
BVH	(80°-90°)	19.9	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°	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5
2.5°	914.3	916.8	913.0	915.6	915.6	911.7	910.5	905.4	907.9	906.7	905.4
5°	935.9	937.1	934.6	938.4	938.4	939.7	938.4	932.1	932.1	932.1	929.5
7.5°	929.5	929.5	930.8	943.5	956.2	972.7	972.7	970.2	972.7	971.4	960.0
10°	876.2	881.3	892.7	924.4	954.9	990.5	1014.6	1022.2	1022.2	1023.5	1004.4
12.5°	780.9	784.8	811.4	859.7	923.2	987.9	1046.3	1084.4	1088.2	1094.6	1069.2
15°	695.9	698.4	717.5	767.0	839.4	953.6	1064.1	1142.9	1155.6	1182.2	1144.1
17.5°	703.5	702.2	707.3	726.3	778.4	897.8	1060.3	1211.4	1234.3	1281.3	1248.2
20°	749.2	749.2	753.0	756.8	775.9	857.1	1032.4	1267.3	1311.7	1403.2	1365.1
22.5°	821.6	821.6	820.3	826.7	826.7	874.9	1033.6	1309.2	1375.2	1539.0	1502.2
25°	921.9	916.8	916.8	919.4	907.9	942.2	1065.4	1352.4	1438.7	1700.3	1668.6
27.5°	1034.9	1038.7	1036.2	1027.3	1012.1	1038.7	1141.6	1419.7	1509.8	1870.5	1857.8
30°	1158.1	1159.4	1161.9	1156.8	1144.1	1163.2	1260.9	1521.3	1603.8	2048.2	2076.2
32.5°	1278.7	1296.5	1290.2	1277.5	1282.5	1316.8	1408.2	1658.4	1743.5	2213.3	2312.4
35°	1432.4	1438.7	1464.1	1417.1	1418.4	1476.8	1596.2	1838.7	1921.3	2384.8	2548.6
37.5°	1655.9	1667.3	1655.9	1582.2	1570.8	1652.1	1779.0	2016.5	2076.2	2514.3	2768.2
40°	1875.5	1889.5	1908.6	1822.2	1749.8	1817.1	1951.7	2152.4	2214.6	2585.4	2914.3
42.5°	2057.1	2080.0	2059.7	2034.3	1968.2	1980.9	2072.4	2257.8	2320.0	2675.5	3061.6
45°	2210.8	2214.6	2223.5	2205.7	2172.7	2161.3	2175.2	2350.5	2419.0	2716.2	3134.0
47.5°	2274.3	2290.8	2298.4	2328.9	2363.2	2340.3	2262.8	2393.6	2455.9	2713.6	3156.8
50°	2240.0	2256.5	2297.1	2369.5	2452.1	2492.7	2365.7	2453.3	2523.2	2759.4	3203.8
52.5°	2149.8	2167.6	2233.6	2316.2	2454.6	2547.3	2510.5	2577.8	2645.1	2840.6	3282.5
55°	1931.4	1958.1	2050.8	2187.9	2378.4	2518.1	2662.8	2760.6	2834.3	2938.4	3363.8
57.5°	1614.0	1641.9	1746.0	1951.7	2237.5	2397.5	2707.3	3103.5	3136.5	3055.2	3371.4
60°	*1208.9*	*1231.7*	*1379.0*	*1544.1*	*1879.4*	*2176.5*	*2681.9*	*3428.6*	*3512.4*	*3034.9*	*3128.9*
62.5°	957.5	985.4	1116.2	1192.4	1432.4	1798.1	2593.0	3518.7	3591.1	2867.3	2791.1
65°	747.9	767.0	888.9	998.1	1056.5	1227.9	2222.2	3078.1	3142.8	2594.3	2303.5
67.5°	494.0	523.2	667.9	817.8	848.3	780.9	1528.9	2368.2	2398.7	2062.2	1732.1
70°	354.3	368.3	476.2	636.2	681.9	523.2	833.0	1793.0	1801.9	1384.1	1167.0
72.5°	241.3	243.8	323.8	487.6	543.5	379.7	458.4	1180.9	1150.5	683.2	667.9
75°	163.8	166.3	207.0	325.1	384.8	264.1	298.4	643.8	618.4	377.1	405.1
77.5°	110.5	113.0	142.2	218.4	256.5	182.9	218.4	340.3	334.0	250.2	217.1
80°	83.8	87.6	105.4	139.7	179.0	106.7	124.4	161.3	163.8	133.3	110.5
82.5°	47.0	52.1	63.5	71.1	115.6	59.7	59.7	96.5	92.7	82.5	59.7
85°	20.3	21.6	25.4	26.7	47.0	25.4	21.6	41.9	43.2	40.6	19.0
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1	5.1	5.1
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°	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5
2.5°	899.0	906.7	899.0	895.2	895.2	888.9	886.3	886.3	877.5	881.3	878.7
5°	919.4	921.9	913.0	901.6	886.3	873.6	855.9	833.0	819.0	817.8	819.0
7.5°	951.1	952.4	928.3	902.9	864.8	819.0	764.4	720.0	680.6	674.3	681.9
10°	995.6	993.0	957.5	897.8	817.8	721.3	637.5	596.8	574.0	572.7	571.4
12.5°	1055.2	1038.7	984.1	876.2	736.5	624.8	581.6	579.0	585.4	590.5	591.7
15°	1123.8	1102.2	1005.7	834.3	654.0	589.2	591.7	613.3	620.9	626.0	626.0
17.5°	1208.9	1180.9	1029.8	774.6	612.1	596.8	614.6	634.9	647.6	652.7	651.4
20°	1321.9	1263.5	1048.9	717.5	600.6	609.5	624.8	645.1	657.8	664.1	664.1
22.5°	1434.9	1362.5	1052.7	678.1	600.6	610.8	624.8	645.1	659.0	665.4	664.1
25°	1588.6	1489.5	1054.0	650.2	601.9	604.4	617.1	634.9	655.2	661.6	664.1
27.5°	1752.4	1629.2	1060.3	643.8	596.8	595.6	604.4	620.9	641.3	657.8	659.0
30°	1955.5	1786.7	1062.9	650.2	598.1	581.6	587.9	604.4	626.0	642.5	647.6
32.5°	2154.9	1932.7	1057.8	664.1	600.6	572.7	574.0	584.1	607.0	618.4	627.3
35°	2365.7	2087.6	1048.9	683.2	601.9	568.9	557.5	562.5	577.8	579.0	582.9
37.5°	2530.8	2203.2	1022.2	708.6	604.4	554.9	532.1	528.3	521.9	509.2	511.7
40°	2666.7	2280.6	977.8	721.3	598.1	538.4	500.3	482.5	458.4	439.4	443.2
42.5°	2764.4	2332.7	924.4	723.8	587.9	510.5	463.5	433.0	406.3	386.0	387.3
45°	2807.6	2327.6	867.3	704.8	563.8	476.2	429.2	400.0	370.8	349.2	346.7
47.5°	2808.9	2278.1	788.6	659.0	523.2	436.8	397.5	365.7	341.6	326.3	325.1
50°	2819.0	2250.1	714.9	593.0	469.8	394.9	369.5	337.8	323.8	302.2	295.9
52.5°	2882.5	2295.9	664.1	520.6	420.3	364.4	345.4	317.5	294.6	280.6	279.4
55°	2985.4	2374.6	636.2	466.0	373.3	335.2	322.5	298.4	278.1	264.1	260.3
57.5°	2998.1	2415.2	603.2	415.2	335.2	312.4	307.3	280.6	251.4	241.3	237.5
60°	*2820.3*	*2346.7*	*562.5*	*368.3*	*307.3*	*294.6*	*292.1*	*256.5*	*232.4*	*219.7*	*214.6*
62.5°	2577.8	2175.2	500.3	325.1	285.7	276.8	266.7	238.7	208.3	194.3	190.5
65°	2106.7	1828.6	425.4	295.9	264.1	254.0	251.4	213.3	193.0	185.4	184.1
67.5°	1596.2	1469.2	374.6	274.3	241.3	237.5	228.6	215.9	207.0	198.1	195.6
70°	1128.9	1060.3	318.7	246.3	218.4	212.1	248.9	234.9	203.2	191.7	190.5
72.5°	684.4	665.4	275.6	221.0	187.9	198.1	229.8	212.1	182.9	168.9	163.8
75°	431.7	394.9	231.1	187.9	149.8	161.3	200.6	189.2	157.5	143.5	139.7
77.5°	234.9	218.4	174.0	153.7	118.1	130.8	175.2	156.2	125.7	137.1	121.9
80°	102.9	114.3	115.6	88.9	78.7	96.5	125.7	121.9	96.5	97.8	81.3
82.5°	49.5	64.8	74.9	61.0	44.4	57.1	83.8	69.8	64.8	61.0	58.4
85°	15.2	24.1	33.0	29.2	20.3	24.1	39.4	38.1	45.7	39.4	36.8
87.5°	5.1	5.1	3.8	3.8	3.8	5.1	6.3	3.8	1.3	1.3	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°	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5
2.5°	877.5	878.7	878.7	880.0	880.0	883.8	888.9	894.0	890.2	895.2	896.5
5°	816.5	822.9	827.9	847.0	862.2	874.9	888.9	901.6	905.4	907.9	914.3
7.5°	673.0	690.8	723.8	767.0	815.2	862.2	894.0	927.0	932.1	938.4	947.3
10°	572.7	580.3	603.2	647.6	734.0	826.7	904.1	956.2	977.8	990.5	999.4
12.5°	589.2	584.1	580.3	586.7	642.5	761.9	897.8	998.1	1038.7	1052.7	1064.1
15°	628.6	623.5	609.5	591.7	598.1	693.3	876.2	1037.5	1102.2	1125.1	1149.2
17.5°	651.4	646.3	634.9	615.9	599.4	636.2	835.6	1073.0	1202.5	1230.5	1264.8
20°	664.1	659.0	647.6	628.6	609.5	614.6	783.5	1117.5	1316.8	1361.3	1412.1
22.5°	666.7	660.3	647.6	628.6	617.1	613.3	734.0	1144.1	1440.0	1508.6	1567.0
25°	665.4	654.0	637.5	623.5	617.1	615.9	699.7	1159.4	1573.3	1682.5	1748.6
27.5°	656.5	642.5	626.0	615.9	613.3	620.9	684.4	1177.1	1729.5	1869.2	1974.6
30°	646.3	626.0	605.7	601.9	608.3	632.4	697.1	1183.5	1893.3	2072.4	2180.3
32.5°	619.7	604.4	584.1	582.9	598.1	641.3	726.3	1174.6	2038.1	2275.5	2411.4
35°	581.6	572.7	561.3	565.1	589.2	648.9	746.7	1146.7	2170.1	2464.8	2623.5
37.5°	514.3	520.6	527.0	535.9	566.3	647.6	755.6	1102.2	2279.4	2615.9	2819.0
40°	439.4	461.0	481.3	504.1	544.8	637.5	758.1	1047.6	2342.8	2730.1	2993.0
42.5°	392.4	412.7	438.1	471.1	515.6	614.6	755.6	986.7	2363.2	2808.9	3103.5
45°	349.2	373.3	405.1	439.4	490.2	581.6	732.7	920.6	2373.3	2845.7	3150.5
47.5°	326.3	340.3	369.5	403.8	457.1	541.0	688.3	872.4	2358.1	2853.3	3207.6
50°	299.7	318.7	337.8	370.8	422.9	490.2	634.9	844.4	2383.5	2928.2	3297.8
52.5°	279.4	289.5	309.8	340.3	378.4	443.2	584.1	821.6	2453.3	3004.4	3391.7
55°	264.1	275.6	288.3	313.6	342.9	396.2	532.1	787.3	2534.6	3085.7	3485.7
57.5°	240.0	247.6	265.4	292.1	311.1	350.5	471.1	746.7	2528.2	3022.2	3323.2
60°	*218.4*	*226.0*	*245.1*	*271.7*	*283.2*	*309.8*	*411.4*	*694.6*	*2406.3*	*2815.2*	*3023.5*
62.5°	194.3	203.2	226.0	245.1	255.2	275.6	349.2	599.4	2152.4	2504.1	2673.0
65°	184.1	189.2	204.4	227.3	226.0	245.1	294.6	471.1	1732.1	1913.6	2067.3
67.5°	195.6	203.2	200.6	207.0	203.2	213.3	264.1	378.4	1361.3	1441.3	1530.2
70°	193.0	210.8	219.7	207.0	177.8	189.2	228.6	302.2	974.0	966.3	962.5
72.5°	168.9	186.7	212.1	224.8	174.0	157.5	198.1	261.6	624.8	622.2	562.5
75°	143.5	156.2	186.7	203.2	149.8	127.0	170.2	222.2	373.3	378.4	337.8
77.5°	132.1	125.7	156.2	179.0	121.9	97.8	137.1	167.6	205.7	208.3	193.0
80°	95.2	91.4	116.8	130.8	92.7	69.8	77.5	104.1	110.5	99.0	102.9
82.5°	61.0	62.2	69.8	83.8	57.1	38.1	53.3	69.8	59.7	48.3	57.1
85°	39.4	44.4	36.8	43.2	17.8	17.8	22.9	30.5	20.3	14.0	15.2
87.5°	0.0	0.0	2.5	5.1	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

REPORT NUMBER: P1501351
CATALOG NUMBER: GSS-SB1C-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	896.5	896.5	*896.5*	896.5	896.5	896.5	896.5	896.5	896.5	896.5
2.5°	900.3	899.0	*899.0*	901.6	907.9	910.5	914.3	913.0	916.8	914.3
5°	918.1	919.4	*923.2*	924.4	928.3	933.3	934.6	933.3	935.9	935.9
7.5°	953.6	958.7	*956.2*	962.5	957.5	951.1	940.9	933.3	927.0	929.5
10°	1013.3	1010.8	*1009.5*	998.1	975.2	942.2	915.6	886.3	881.3	876.2
12.5°	1079.4	1076.8	*1076.8*	1037.5	972.7	904.1	843.2	797.5	782.2	780.9
15°	1172.1	1155.6	*1140.3*	1057.8	928.3	811.4	740.3	704.8	695.9	695.9
17.5°	1287.6	1244.4	*1219.0*	1042.5	855.9	750.5	708.6	699.7	697.1	703.5
20°	1431.1	1321.9	*1285.1*	1008.2	829.2	758.1	737.8	739.0	740.3	749.2
22.5°	1588.6	1393.0	*1332.1*	1008.2	855.9	806.3	796.2	810.2	814.0	821.6
25°	1763.8	1456.5	*1374.0*	1061.6	934.6	897.8	885.1	899.0	909.2	921.9
27.5°	1960.6	1522.5	*1446.3*	1158.1	1036.2	1013.3	999.4	1005.7	1019.7	1034.9
30°	2137.1	1633.0	*1556.8*	1305.4	1174.6	1146.7	1122.5	1132.7	1147.9	1158.1
32.5°	2293.3	1767.6	*1702.9*	1460.3	1333.3	1285.1	1258.4	1255.9	1286.3	1278.7
35°	2436.8	1926.3	*1864.1*	1636.8	1494.6	1434.9	1399.4	1445.1	1424.8	1432.4
37.5°	2549.8	2091.4	*2041.9*	1805.7	1662.2	1580.9	1559.4	1615.2	1647.0	1655.9
40°	2642.5	2234.9	*2182.8*	1973.3	1815.9	1756.2	1790.5	1883.2	1879.4	1875.5
42.5°	2713.6	2358.1	*2300.9*	2100.3	1963.2	1974.6	2001.3	2063.5	2078.7	2057.1
45°	2745.4	2435.5	*2389.8*	2200.6	2130.8	2196.8	2208.2	2234.9	2224.8	2210.8
47.5°	2782.2	2504.1	*2455.9*	2292.1	2312.4	2377.1	2354.3	2332.7	2295.9	2274.3
50°	2844.4	2585.4	*2544.8*	2425.4	2499.0	2477.5	2388.6	2340.3	2265.4	2240.0
52.5°	2962.5	2739.0	*2708.6*	2636.2	2586.7	2462.2	2354.3	2267.9	2184.1	2149.8
55°	3067.9	2947.3	*2929.5*	2833.0	2560.0	2382.2	2237.5	2104.1	1960.6	1931.4
57.5°	3128.9	3292.7	*3313.0*	2916.8	2438.1	2200.6	1987.3	1774.0	1638.1	1614.0
60°	*2947.3*	*3666.0*	*3676.2*	*2900.3*	*2218.4*	*1873.0*	*1547.9*	*1396.8*	*1250.8*	*1208.9*
62.5°	2697.1	3588.6	*3579.7*	2801.3	1766.3	1366.3	1175.9	1104.8	991.7	957.5
65°	2318.7	2989.2	*2999.4*	2420.3	1174.6	987.9	987.9	897.8	772.1	747.9
67.5°	1889.5	2304.8	*2281.9*	1569.5	721.3	791.1	829.2	699.7	523.2	494.0
70°	1227.9	1760.0	*1728.2*	905.4	453.3	659.0	652.7	525.7	374.6	354.3
72.5°	528.3	1017.1	*1081.9*	462.2	341.6	530.8	520.6	368.3	250.2	241.3
75°	318.7	511.7	*557.5*	294.6	248.9	400.0	360.6	233.6	170.2	163.8
77.5°	201.9	280.6	*278.1*	221.0	186.7	270.5	242.5	161.3	115.6	110.5
80°	116.8	138.4	*143.5*	138.4	125.7	193.0	154.9	116.8	90.2	83.8
82.5°	74.9	86.3	*87.6*	67.3	69.8	124.4	83.8	68.6	52.1	47.0
85°	33.0	36.8	*35.6*	22.9	22.9	50.8	29.2	27.9	20.3	20.3
87.5°	1.3	2.5	*1.3*	1.3	1.3	5.1	2.5	3.8	3.8	3.8
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

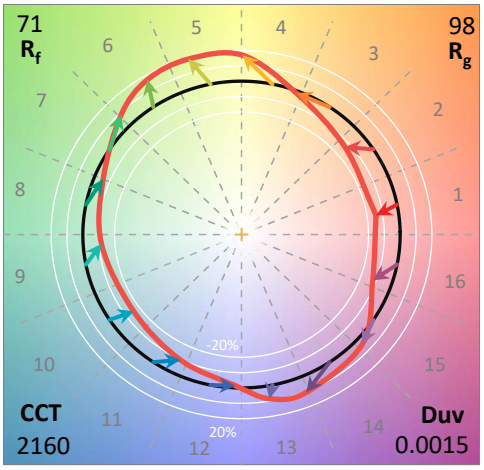
Test Information

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

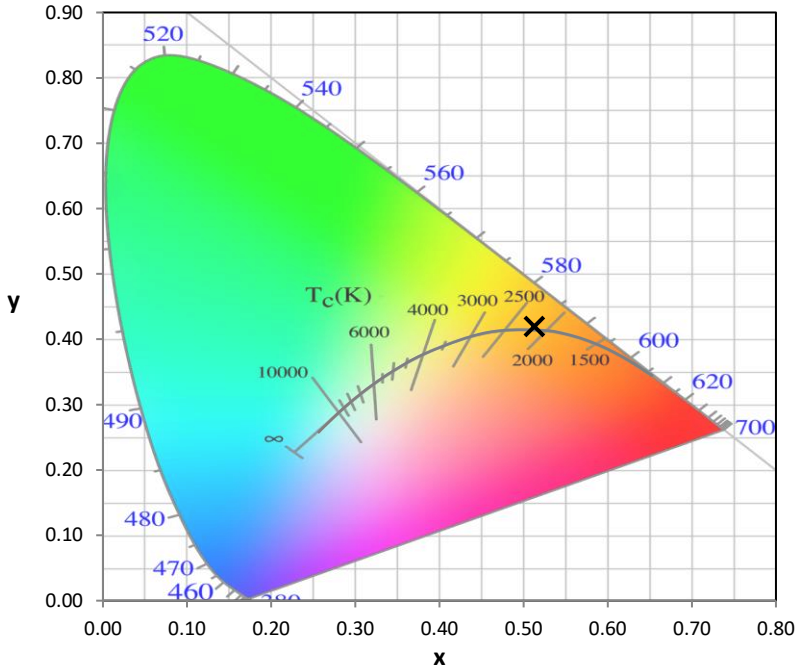
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

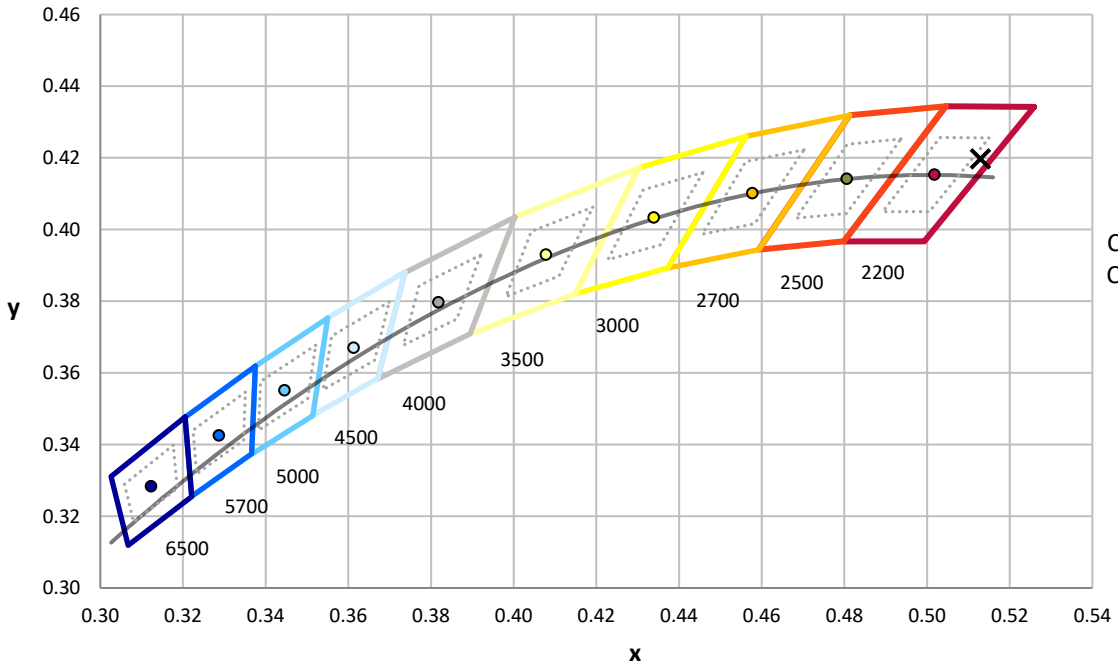
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

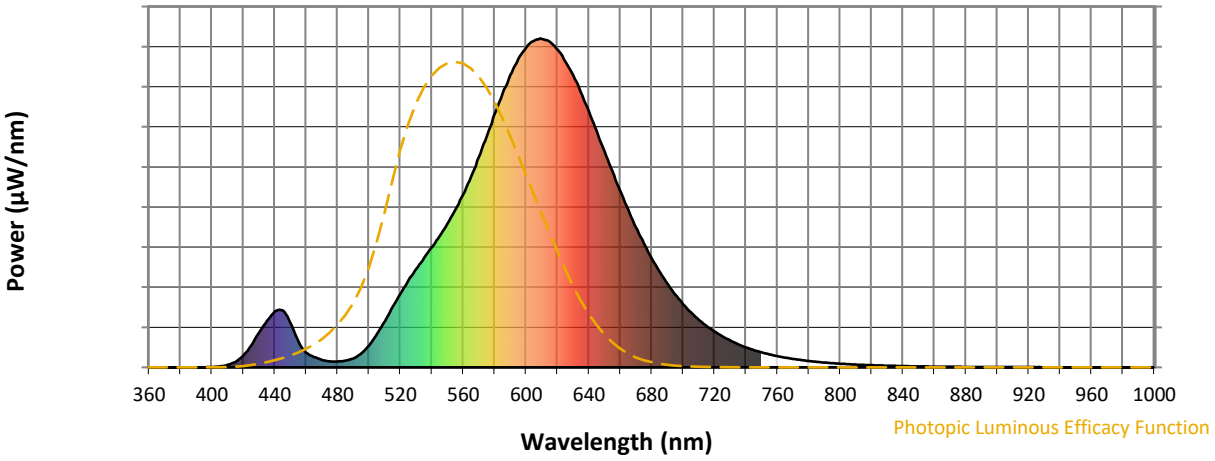


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

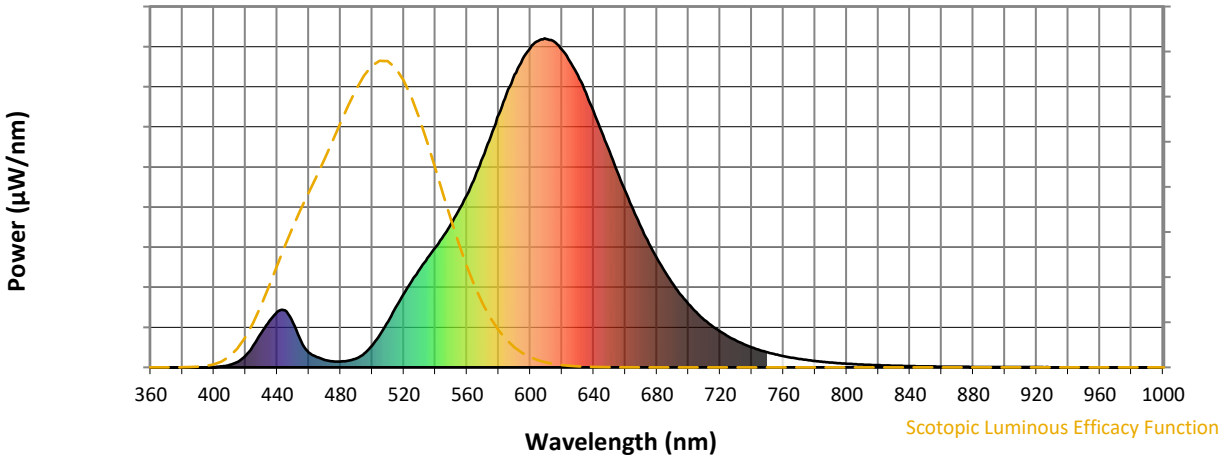


Photopic Lumens: NR

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

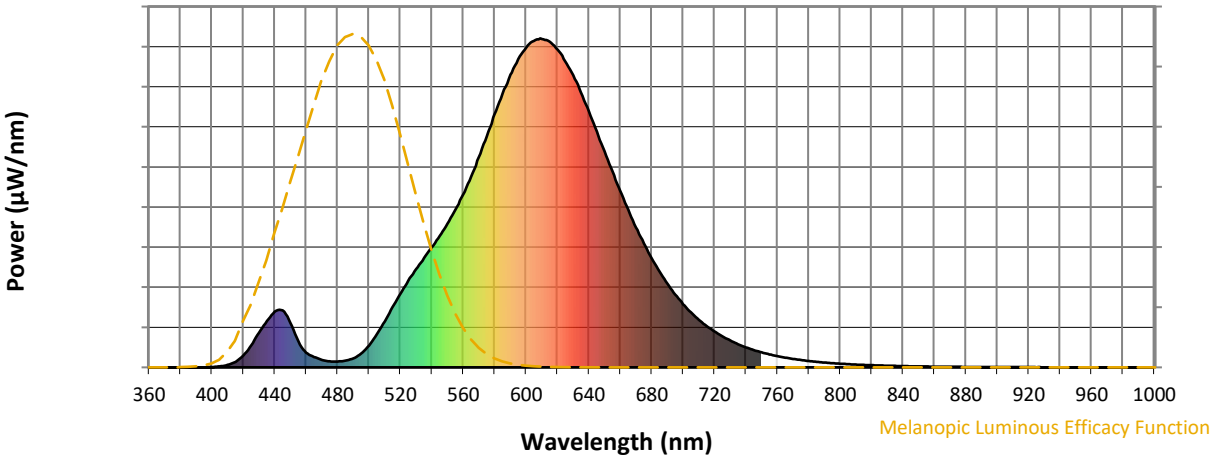


Scotopic Lumens: NR **S/P: 0.8**

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			

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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			

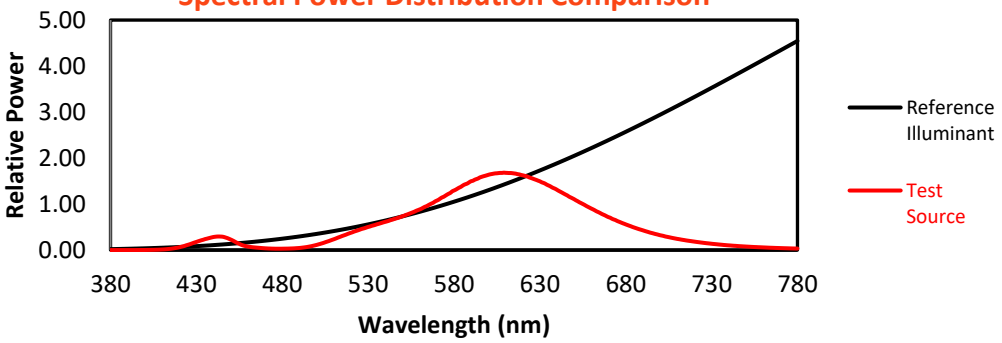
REPORT NUMBER: SP1-2407-184-2

TM-30-18

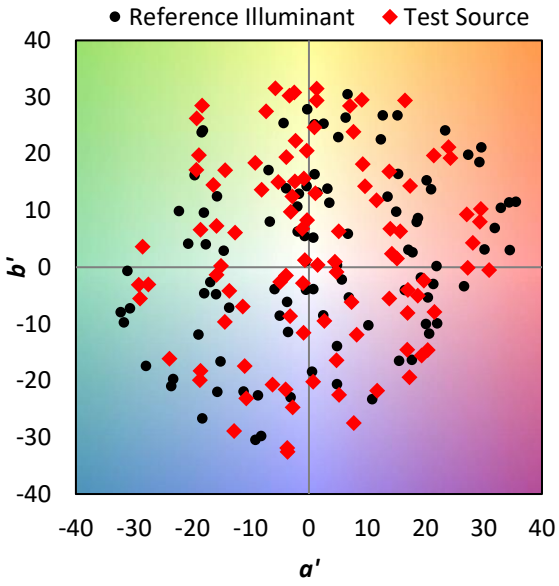
Summary

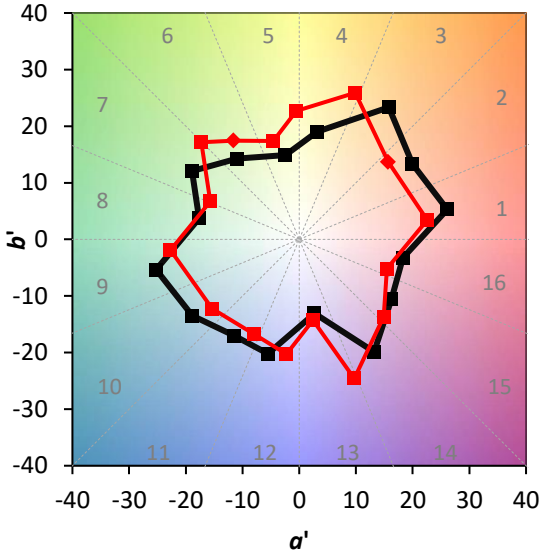
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

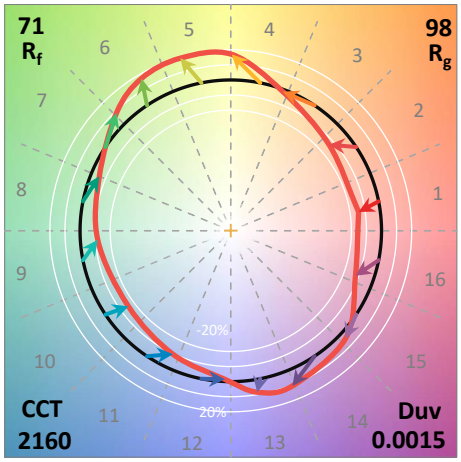
Spectral Power Distribution Comparison

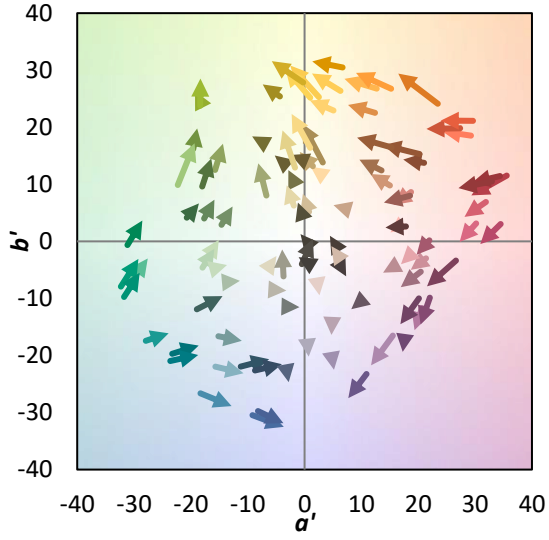


Color Vector Graphics







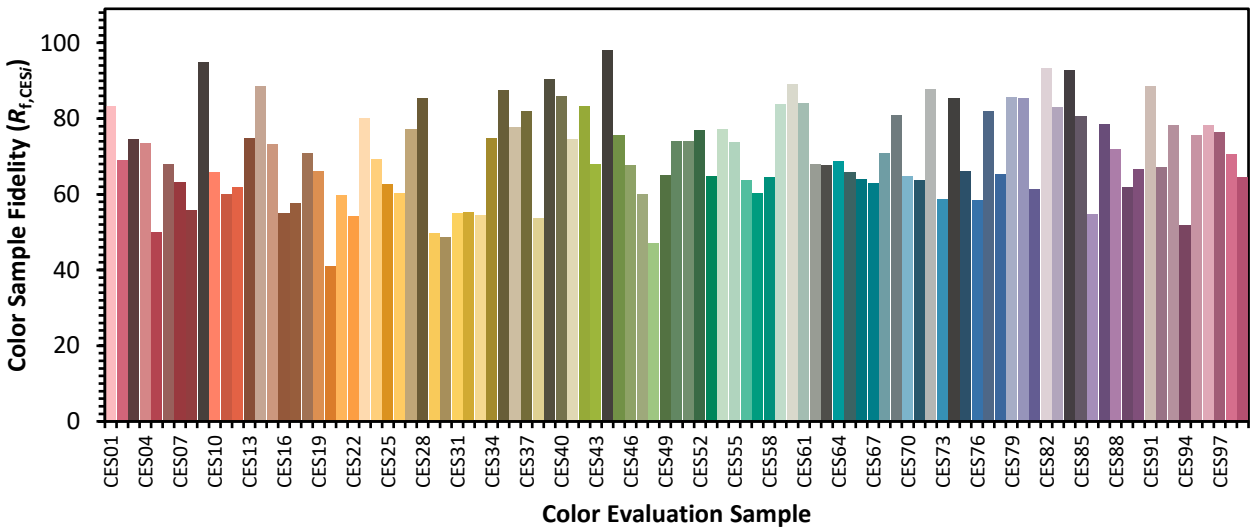


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

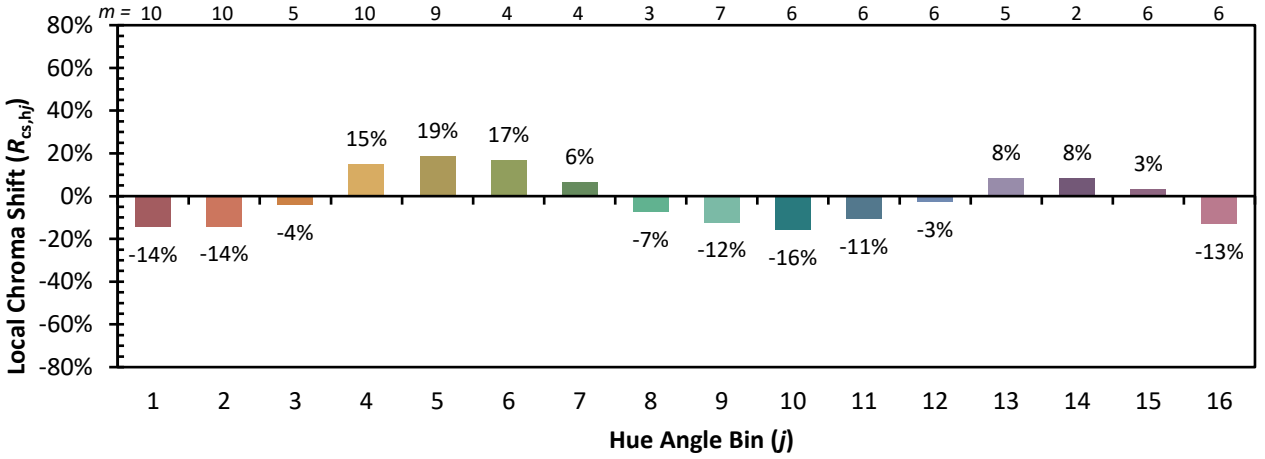
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 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	

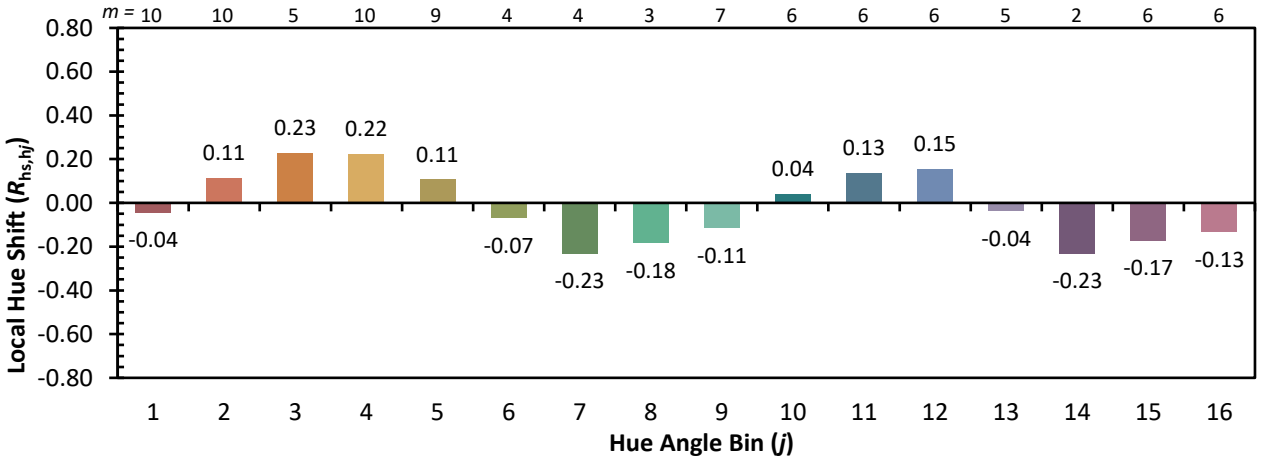


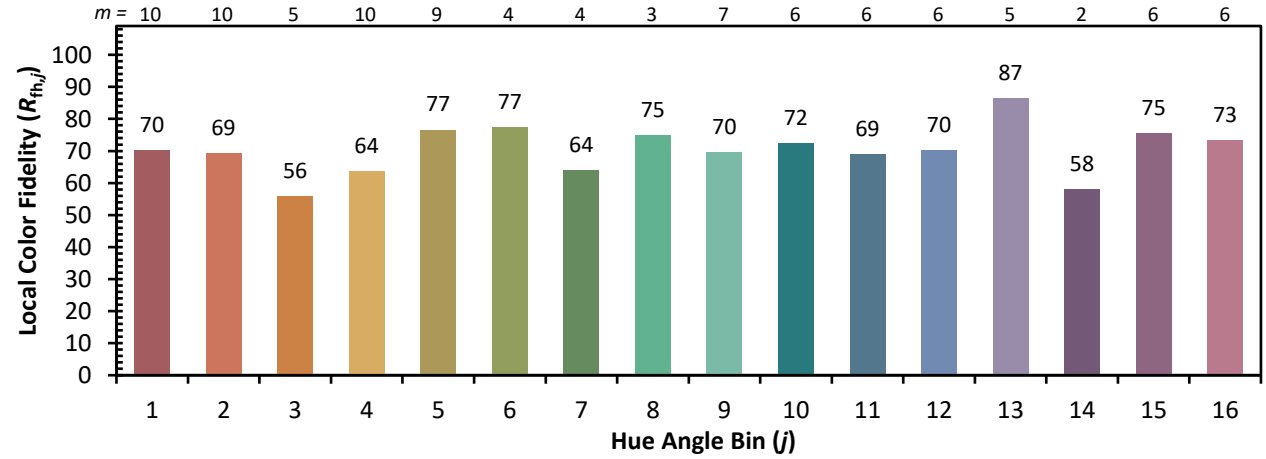
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Color Rendition by Hue-Angle Bin



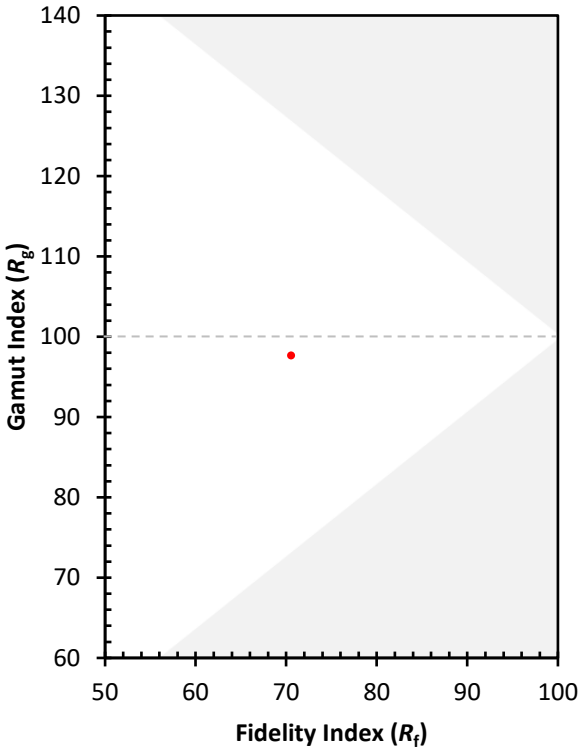


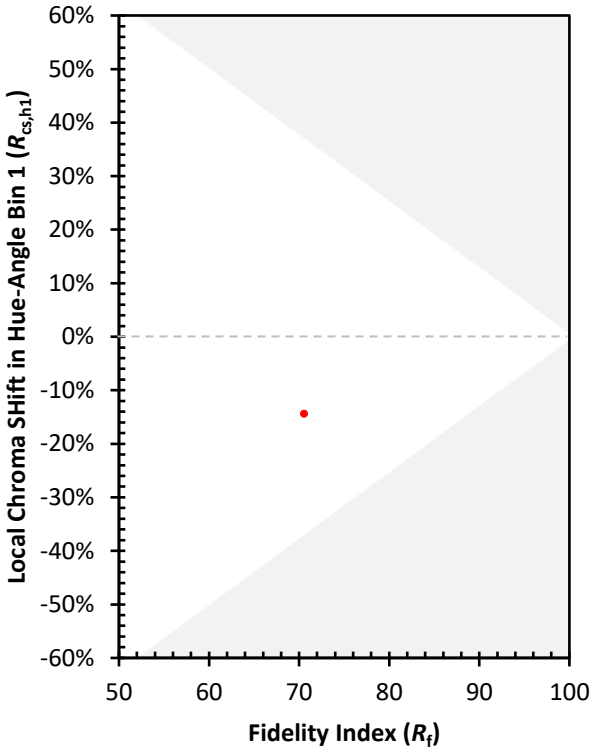


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Measure Comparisons





(END OF REPORT)