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: P1501399

Luminaire Tested: GSS-SB1C-730-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:	P1501399
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6742 lumens
Efficiency:	N/A
Efficacy:	129.7 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

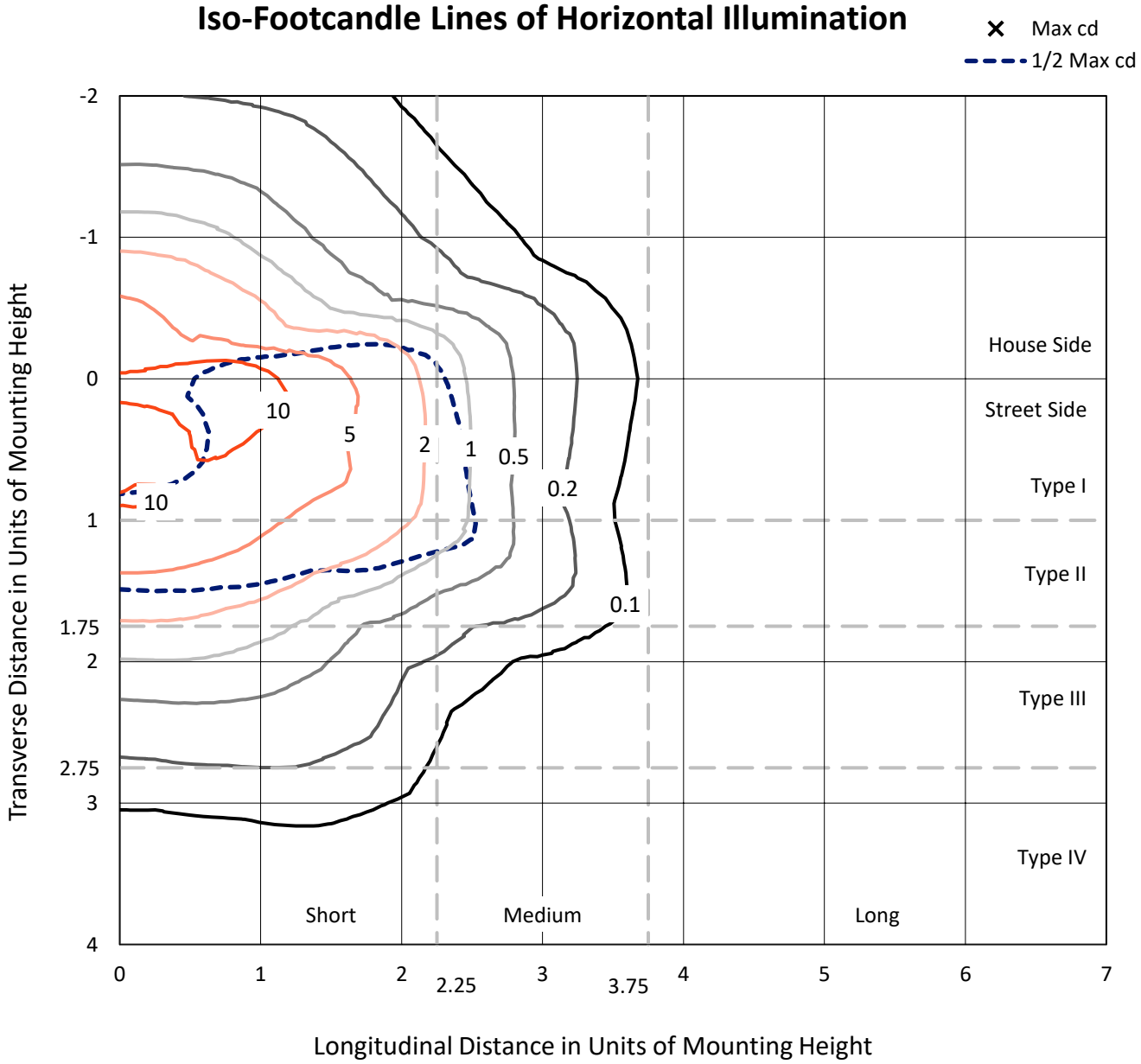
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



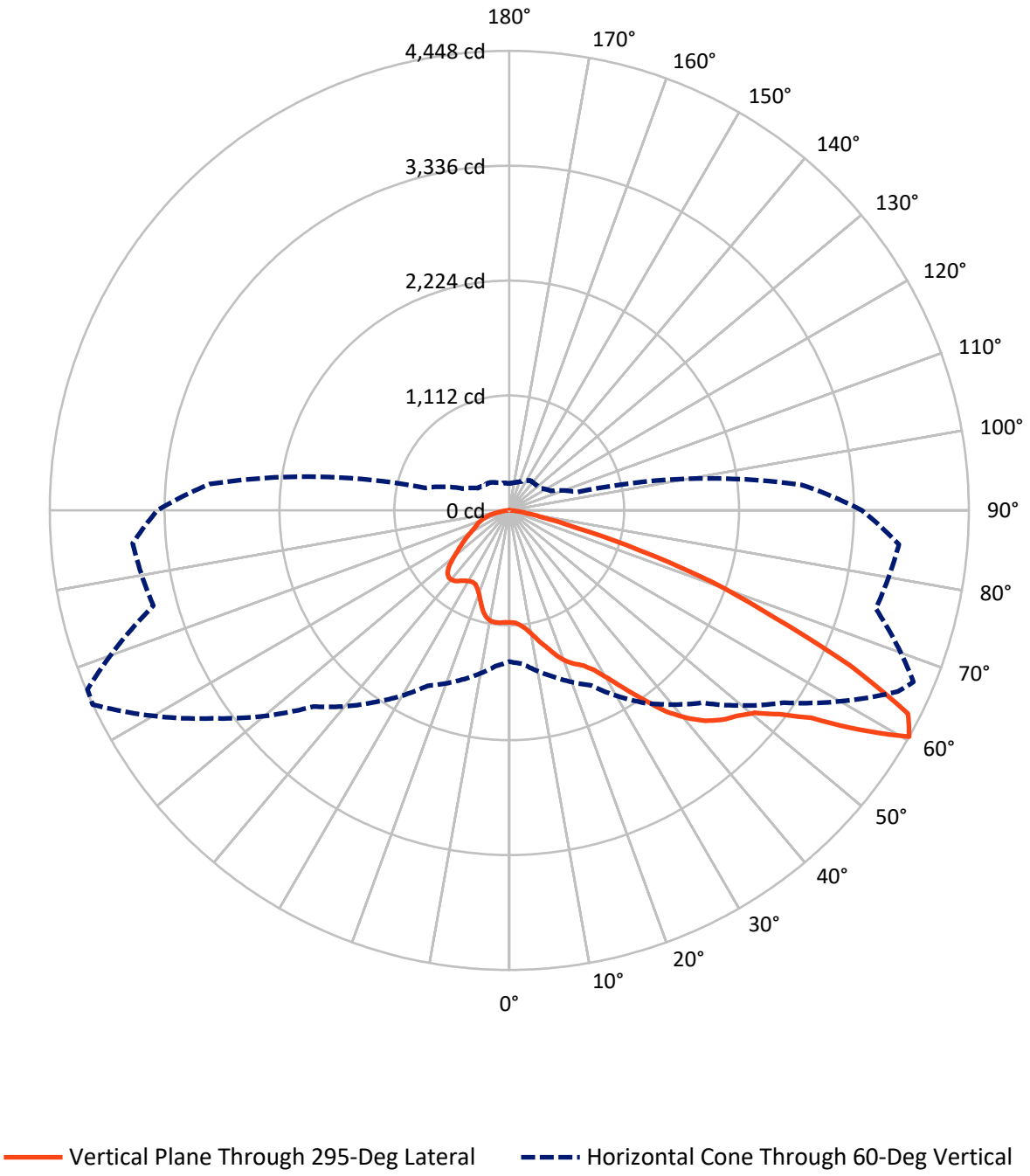
Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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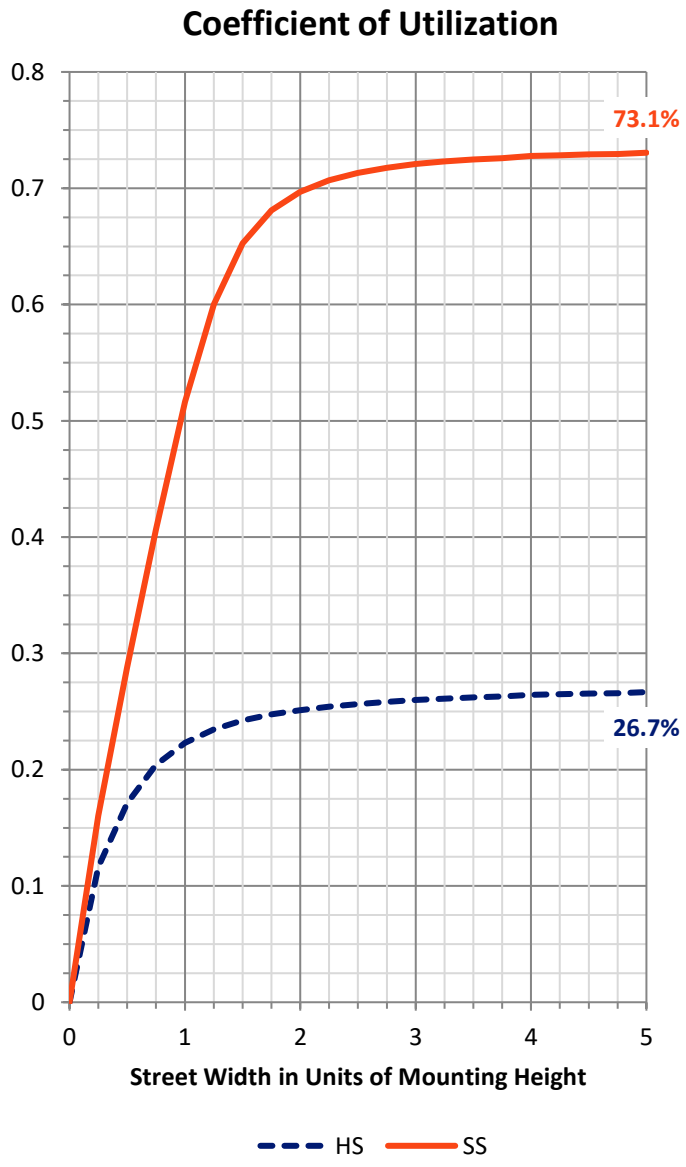
REPORT NUMBER: P1501399
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1813.0	0.0	1813.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4929.0	0.0	4929.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	6742.0	0.0	6742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	1.5
10°-20°	293.2	4.3
20°-30°	555.4	8.2
30°-40°	979.1	14.5
40°-50°	1447.9	21.5
50°-60°	1700.3	25.2
60°-70°	1231.9	18.3
70°-80°	379.9	5.6
80°-90°	52.3	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°	6742.0	100.0
0°-180°	6742.0	100.0



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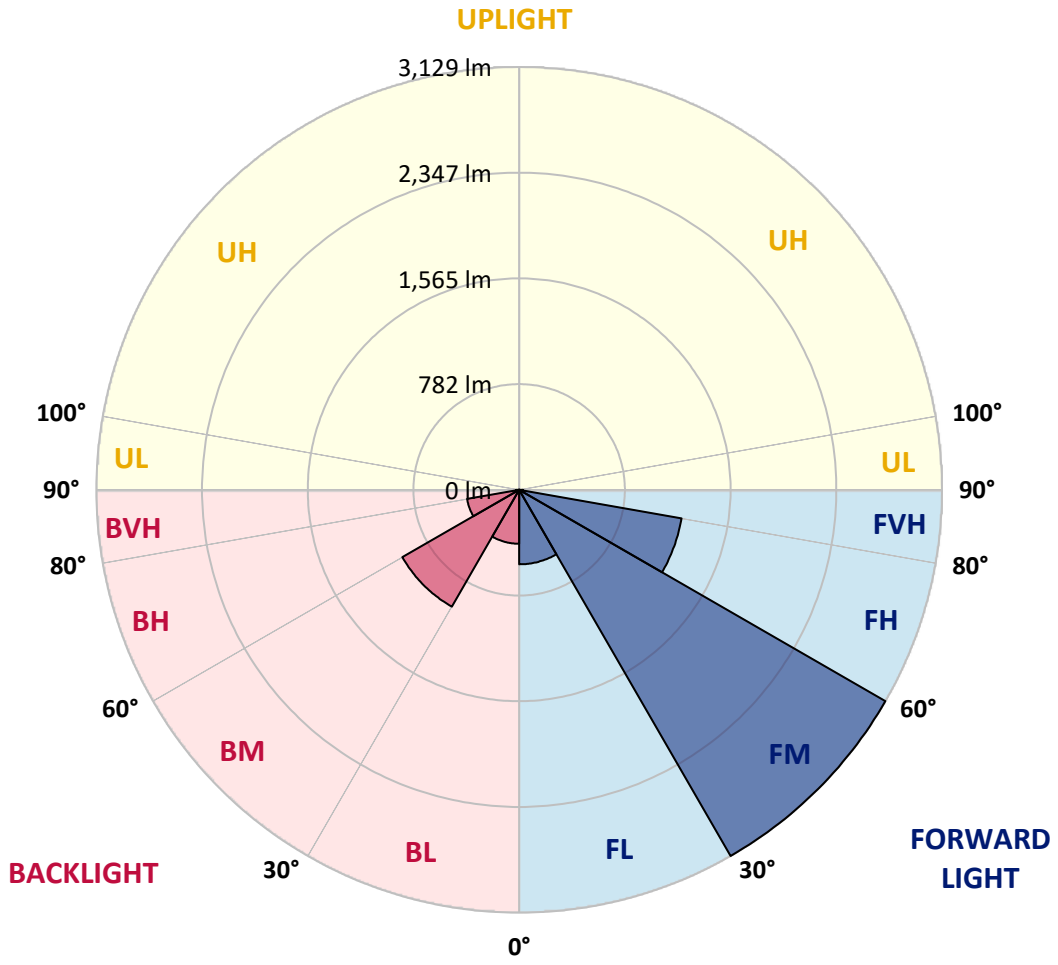
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	551.3	8.2			
FM	(30°-60°)	3129.0	46.4			
FH	(60°-80°)	1220.5	18.1			G1/1800
FVH	(80°-90°)	28.2	0.4			G1/100
BL	(0°-30°)	399.3	5.9	B1/500		
BM	(30°-60°)	998.3	14.8	B1/1000		
BH	(60°-80°)	391.3	5.8	B1/500		G1/500
BVH	(80°-90°)	24.1	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°	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1106.3	1109.3	1104.7	1107.8	1107.8	1103.2	1101.7	1095.5	1098.6	1097.1	1095.5
5°	1132.4	1133.9	1130.9	1135.5	1135.5	1137.0	1135.5	1127.8	1127.8	1127.8	1124.7
7.5°	1124.7	1124.7	1126.2	1141.6	1157.0	1176.9	1176.9	1173.9	1176.9	1175.4	1161.6
10°	1060.2	1066.3	1080.1	1118.6	1155.4	1198.5	1227.7	1236.9	1236.9	1238.4	1215.4
12.5°	944.9	949.5	981.8	1040.2	1117.0	1195.4	1266.1	1312.2	1316.8	1324.5	1293.7
15°	842.0	845.1	868.1	928.0	1015.6	1153.9	1287.6	1382.8	1398.2	1430.5	1384.4
17.5°	851.2	849.7	855.8	878.9	941.9	1086.3	1283.0	1465.8	1493.5	1550.3	1510.4
20°	906.5	906.5	911.1	915.7	938.8	1037.1	1249.2	1533.4	1587.2	1697.8	1651.7
22.5°	994.1	994.1	992.6	1000.3	1000.3	1058.6	1250.7	1584.1	1664.0	1862.2	1817.7
25°	1115.5	1109.3	1109.3	1112.4	1098.6	1140.1	1289.1	1636.4	1740.8	2057.4	2018.9
27.5°	1252.2	1256.8	1253.8	1243.0	1224.6	1256.8	1381.3	1717.8	1826.9	2263.2	2247.9
30°	1401.3	1402.8	1405.9	1399.7	1384.4	1407.4	1525.7	1840.7	1940.6	2478.4	2512.2
32.5°	1547.2	1568.8	1561.1	1545.7	1551.9	1593.3	1704.0	2006.6	2109.6	2678.1	2797.9
35°	1733.2	1740.8	1771.6	1714.7	1716.3	1786.9	1931.4	2224.8	2324.7	2885.5	3083.7
37.5°	2003.6	2017.4	2003.6	1914.5	1900.6	1999.0	2152.6	2439.9	2512.2	3042.2	3349.5
40°	2269.4	2286.3	2309.3	2204.9	2117.3	2198.7	2361.6	2604.3	2679.6	3128.3	3526.2
42.5°	2489.1	2516.8	2492.2	2461.4	2381.6	2396.9	2507.5	2731.9	2807.2	3237.4	3704.5
45°	2675.0	2679.6	2690.4	2668.9	2628.9	2615.1	2632.0	2844.0	2927.0	3286.5	3792.0
47.5°	2751.8	2771.8	2781.0	2817.9	2859.4	2831.7	2738.0	2896.3	2971.6	3283.5	3819.7
50°	2710.4	2730.3	2779.5	2867.1	2967.0	3016.1	2862.5	2968.5	3053.0	3338.8	3876.6
52.5°	2601.3	2622.8	2702.7	2802.5	2970.0	3082.2	3037.6	3119.1	3200.5	3437.1	3971.8
55°	2337.0	2369.3	2481.4	2647.4	2877.8	3046.9	3222.0	3340.3	3429.4	3555.4	4070.1
57.5°	1952.9	1986.7	2112.7	2361.6	2707.3	2900.9	3275.8	3755.2	3795.1	3696.8	4079.4
60°	*1462.7*	*1490.4*	*1668.6*	*1868.4*	*2274.0*	*2633.5*	*3245.1*	*4148.5*	*4249.9*	*3672.2*	*3785.9*
62.5°	1158.5	1192.3	1350.6	1442.8	1733.2	2175.7	3137.5	4257.6	4345.2	3469.4	3377.2
65°	905.0	928.0	1075.5	1207.7	1278.4	1485.8	2688.8	3724.4	3802.8	3139.0	2787.2
67.5°	597.7	633.0	808.2	989.5	1026.4	944.9	1849.9	2865.5	2902.4	2495.3	2095.8
70°	428.7	445.6	576.2	769.8	825.1	633.0	1007.9	2169.5	2180.3	1674.8	1412.0
72.5°	291.9	295.0	391.8	590.0	657.6	459.4	554.7	1428.9	1392.1	826.6	808.2
75°	198.2	201.3	250.4	393.3	465.6	319.6	361.1	779.0	748.3	456.3	490.1
77.5°	133.7	136.7	172.1	264.3	310.4	221.3	264.3	411.8	404.1	302.7	262.7
80°	101.4	106.0	127.5	169.0	216.6	129.1	150.6	195.1	198.2	161.3	133.7
82.5°	56.8	63.0	76.8	86.0	139.8	72.2	72.2	116.8	112.2	99.9	72.2
85°	24.6	26.1	30.7	32.3	56.8	30.7	26.1	50.7	52.2	49.2	23.0
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	6.1	6.1
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°	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1087.8	1097.1	1087.8	1083.2	1083.2	1075.5	1072.5	1072.5	1061.7	1066.3	1063.2
5°	1112.4	1115.5	1104.7	1090.9	1072.5	1057.1	1035.6	1007.9	991.0	989.5	991.0
7.5°	1150.8	1152.4	1123.2	1092.4	1046.3	991.0	925.0	871.2	823.6	815.9	825.1
10°	1204.6	1201.5	1158.5	1086.3	989.5	872.7	771.3	722.1	694.5	693.0	691.4
12.5°	1276.8	1256.8	1190.8	1060.2	891.2	756.0	703.7	700.6	708.3	714.5	716.0
15°	1359.8	1333.7	1216.9	1009.5	791.3	712.9	716.0	742.1	751.3	757.5	757.5
17.5°	1462.7	1428.9	1246.1	937.3	740.6	722.1	743.7	768.2	783.6	789.8	788.2
20°	1599.5	1528.8	1269.1	868.1	726.8	737.5	756.0	780.5	795.9	803.6	803.6
22.5°	1736.2	1648.6	1273.7	820.5	726.8	739.0	756.0	780.5	797.4	805.1	803.6
25°	1922.1	1802.3	1275.3	786.7	728.3	731.4	746.7	768.2	792.8	800.5	803.6
27.5°	2120.3	1971.3	1283.0	779.0	722.1	720.6	731.4	751.3	775.9	795.9	797.4
30°	2366.2	2161.8	1286.0	786.7	723.7	703.7	711.4	731.4	757.5	777.5	783.6
32.5°	2607.4	2338.5	1279.9	803.6	726.8	693.0	694.5	706.8	734.4	748.3	759.0
35°	2862.5	2526.0	1269.1	826.6	728.3	688.3	674.5	680.7	699.1	700.6	705.2
37.5°	3062.2	2665.8	1236.9	857.4	731.4	671.4	643.8	639.2	631.5	616.1	619.2
40°	3226.6	2759.5	1183.1	872.7	723.7	651.5	605.4	583.9	554.7	531.6	536.2
42.5°	3344.9	2822.5	1118.6	875.8	711.4	617.7	560.8	523.9	491.7	467.1	468.6
45°	3397.2	2816.4	1049.4	852.7	682.2	576.2	519.3	484.0	448.7	422.5	419.5
47.5°	3398.7	2756.5	954.2	797.4	633.0	528.6	480.9	442.5	413.3	394.9	393.3
50°	3411.0	2722.7	865.0	717.5	568.5	477.8	447.1	408.7	391.8	365.7	358.0
52.5°	3487.8	2778.0	803.6	630.0	508.6	441.0	417.9	384.1	356.5	339.6	338.0
55°	3612.3	2873.2	769.8	563.9	451.7	405.6	390.3	361.1	336.5	319.6	315.0
57.5°	3627.6	2922.4	729.8	502.4	405.6	378.0	371.8	339.6	304.2	291.9	287.3
60°	*3412.5*	*2839.4*	*680.7*	*445.6*	*371.8*	*356.5*	*353.4*	*310.4*	*281.2*	*265.8*	*259.7*
62.5°	3119.1	2632.0	605.4	393.3	345.7	335.0	322.7	288.9	252.0	235.1	230.5
65°	2549.0	2212.5	514.7	358.0	319.6	307.3	304.2	258.1	233.5	224.3	222.8
67.5°	1931.4	1777.7	453.3	331.9	291.9	287.3	276.6	261.2	250.4	239.7	236.6
70°	1365.9	1283.0	385.7	298.1	264.3	256.6	301.2	284.2	245.8	232.0	230.5
72.5°	828.2	805.1	333.4	267.3	227.4	239.7	278.1	256.6	221.3	204.4	198.2
75°	522.4	477.8	279.6	227.4	181.3	195.1	242.8	228.9	190.5	173.6	169.0
77.5°	284.2	264.3	210.5	185.9	142.9	158.3	212.0	189.0	152.1	165.9	147.5
80°	124.5	138.3	139.8	107.6	95.3	116.8	152.1	147.5	116.8	118.3	98.3
82.5°	59.9	78.4	90.7	73.8	53.8	69.1	101.4	84.5	78.4	73.8	70.7
85°	18.4	29.2	39.9	35.3	24.6	29.2	47.6	46.1	55.3	47.6	44.6
87.5°	6.1	6.1	4.6	4.6	4.6	6.1	7.7	4.6	1.5	1.5	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°	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1061.7	1063.2	1063.2	1064.8	1064.8	1069.4	1075.5	1081.7	1077.1	1083.2	1084.8
5°	988.0	995.6	1001.8	1024.8	1043.3	1058.6	1075.5	1090.9	1095.5	1098.6	1106.3
7.5°	814.3	835.8	875.8	928.0	986.4	1043.3	1081.7	1121.6	1127.8	1135.5	1146.2
10°	693.0	702.2	729.8	783.6	888.1	1000.3	1094.0	1157.0	1183.1	1198.5	1209.2
12.5°	712.9	706.8	702.2	709.9	777.5	921.9	1086.3	1207.7	1256.8	1273.7	1287.6
15°	760.6	754.4	737.5	716.0	723.7	838.9	1060.2	1255.3	1333.7	1361.3	1390.5
17.5°	788.2	782.1	768.2	745.2	725.2	769.8	1011.0	1298.3	1455.1	1488.9	1530.3
20°	803.6	797.4	783.6	760.6	737.5	743.7	948.0	1352.1	1593.3	1647.1	1708.6
22.5°	806.7	799.0	783.6	760.6	746.7	742.1	888.1	1384.4	1742.4	1825.3	1896.0
25°	805.1	791.3	771.3	754.4	746.7	745.2	846.6	1402.8	1903.7	2035.8	2115.7
27.5°	794.4	777.5	757.5	745.2	742.1	751.3	828.2	1424.3	2092.7	2261.7	2389.2
30°	782.1	757.5	732.9	728.3	736.0	765.2	843.5	1432.0	2290.9	2507.5	2638.1
32.5°	749.8	731.4	706.8	705.2	723.7	775.9	878.9	1421.2	2466.1	2753.4	2917.8
35°	703.7	693.0	679.1	683.7	712.9	785.1	903.5	1387.4	2625.9	2982.3	3174.4
37.5°	622.3	630.0	637.6	648.4	685.3	783.6	914.2	1333.7	2758.0	3165.2	3411.0
40°	531.6	557.7	582.3	610.0	659.2	771.3	917.3	1267.6	2834.8	3303.4	3621.5
42.5°	474.8	499.4	530.1	570.0	623.8	743.7	914.2	1193.8	2859.4	3398.7	3755.2
45°	422.5	451.7	490.1	531.6	593.1	703.7	886.6	1114.0	2871.7	3443.3	3812.0
47.5°	394.9	411.8	447.1	488.6	553.1	654.5	832.8	1055.6	2853.3	3452.5	3881.2
50°	362.6	385.7	408.7	448.7	511.6	593.1	768.2	1021.8	2884.0	3543.1	3990.3
52.5°	338.0	350.3	374.9	411.8	457.9	536.2	706.8	994.1	2968.5	3635.3	4104.0
55°	319.6	333.4	348.8	379.5	414.9	479.4	643.8	952.6	3066.8	3733.7	4217.7
57.5°	290.4	299.6	321.1	353.4	376.4	424.1	570.0	903.5	3059.1	3656.8	4021.0
60°	*264.3*	*273.5*	*296.5*	*328.8*	*342.6*	*374.9*	*497.8*	*840.5*	*2911.6*	*3406.4*	*3658.4*
62.5°	235.1	245.8	273.5	296.5	308.8	333.4	422.5	725.2	2604.3	3029.9	3234.3
65°	222.8	228.9	247.4	275.0	273.5	296.5	356.5	570.0	2095.8	2315.5	2501.4
67.5°	236.6	245.8	242.8	250.4	245.8	258.1	319.6	457.9	1647.1	1743.9	1851.5
70°	233.5	255.1	265.8	250.4	215.1	228.9	276.6	365.7	1178.5	1169.3	1164.7
72.5°	204.4	225.9	256.6	272.0	210.5	190.5	239.7	316.5	756.0	752.9	680.7
75°	173.6	189.0	225.9	245.8	181.3	153.6	205.9	268.9	451.7	457.9	408.7
77.5°	159.8	152.1	189.0	216.6	147.5	118.3	165.9	202.8	248.9	252.0	233.5
80°	115.2	110.6	141.4	158.3	112.2	84.5	93.7	126.0	133.7	119.8	124.5
82.5°	73.8	75.3	84.5	101.4	69.1	46.1	64.5	84.5	72.2	58.4	69.1
85°	47.6	53.8	44.6	52.2	21.5	21.5	27.7	36.9	24.6	16.9	18.4
87.5°	0.0	0.0	3.1	6.1	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: P1501399
CATALOG NUMBER: GSS-SB1C-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1084.8	1084.8	*1084.8*	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1089.4	1087.8	*1087.8*	1090.9	1098.6	1101.7	1106.3	1104.7	1109.3	1106.3
5°	1110.9	1112.4	*1117.0*	1118.6	1123.2	1129.3	1130.9	1129.3	1132.4	1132.4
7.5°	1153.9	1160.0	*1157.0*	1164.7	1158.5	1150.8	1138.5	1129.3	1121.6	1124.7
10°	1226.1	1223.0	*1221.5*	1207.7	1180.0	1140.1	1107.8	1072.5	1066.3	1060.2
12.5°	1306.0	1302.9	*1302.9*	1255.3	1176.9	1094.0	1020.2	964.9	946.5	944.9
15°	1418.2	1398.2	*1379.8*	1279.9	1123.2	981.8	895.8	852.7	842.0	842.0
17.5°	1558.0	1505.8	*1475.0*	1261.5	1035.6	908.1	857.4	846.6	843.5	851.2
20°	1731.6	1599.5	*1554.9*	1220.0	1003.3	917.3	892.7	894.2	895.8	906.5
22.5°	1922.1	1685.5	*1611.8*	1220.0	1035.6	975.7	963.4	980.3	984.9	994.1
25°	2134.2	1762.3	*1662.5*	1284.5	1130.9	1086.3	1070.9	1087.8	1100.1	1115.5
27.5°	2372.3	1842.2	*1750.1*	1401.3	1253.8	1226.1	1209.2	1216.9	1233.8	1252.2
30°	2585.9	1975.9	*1883.7*	1579.5	1421.2	1387.4	1358.3	1370.5	1389.0	1401.3
32.5°	2774.9	2138.8	*2060.4*	1767.0	1613.3	1554.9	1522.7	1519.6	1556.5	1547.2
35°	2948.5	2330.8	*2255.6*	1980.5	1808.4	1736.2	1693.2	1748.5	1723.9	1733.2
37.5°	3085.3	2530.6	*2470.7*	2184.9	2011.3	1912.9	1886.8	1954.4	1992.8	2003.6
40°	3197.4	2704.2	*2641.2*	2387.7	2197.2	2125.0	2166.4	2278.6	2274.0	2269.4
42.5°	3283.5	2853.3	*2784.1*	2541.3	2375.4	2389.2	2421.5	2496.8	2515.2	2489.1
45°	3321.9	2947.0	*2891.7*	2662.7	2578.2	2658.1	2671.9	2704.2	2691.9	2675.0
47.5°	3366.4	3029.9	*2971.6*	2773.4	2797.9	2876.3	2848.6	2822.5	2778.0	2751.8
50°	3441.7	3128.3	*3079.1*	2934.7	3023.8	2997.7	2890.1	2831.7	2741.1	2710.4
52.5°	3584.6	3314.2	*3277.3*	3189.7	3129.8	2979.2	2848.6	2744.2	2642.8	2601.3
55°	3712.1	3566.2	*3544.7*	3427.9	3097.6	2882.4	2707.3	2546.0	2372.3	2337.0
57.5°	3785.9	3984.1	*4008.7*	3529.3	2950.1	2662.7	2404.6	2146.5	1982.1	1952.9
60°	*3566.2*	*4435.8*	*4448.1*	*3509.3*	*2684.2*	*2266.3*	*1873.0*	*1690.1*	*1513.4*	*1462.7*
62.5°	3263.5	4342.1	*4331.4*	3389.5	2137.3	1653.3	1422.8	1336.7	1200.0	1158.5
65°	2805.6	3616.9	*3629.2*	2928.5	1421.2	1195.4	1195.4	1086.3	934.2	905.0
67.5°	2286.3	2788.7	*2761.1*	1899.1	872.7	957.2	1003.3	846.6	633.0	597.7
70°	1485.8	2129.6	*2091.2*	1095.5	548.5	797.4	789.8	636.1	453.3	428.7
72.5°	639.2	1230.7	*1309.1*	559.3	413.3	642.3	630.0	445.6	302.7	291.9
75°	385.7	619.2	*674.5*	356.5	301.2	484.0	436.4	282.7	205.9	198.2
77.5°	244.3	339.6	*336.5*	267.3	225.9	327.3	293.5	195.1	139.8	133.7
80°	141.4	167.5	*173.6*	167.5	152.1	233.5	187.5	141.4	109.1	101.4
82.5°	90.7	104.5	*106.0*	81.4	84.5	150.6	101.4	83.0	63.0	56.8
85°	39.9	44.6	*43.0*	27.7	27.7	61.5	35.3	33.8	24.6	24.6
87.5°	1.5	3.1	*1.5*	1.5	1.5	6.1	3.1	4.6	4.6	4.6
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

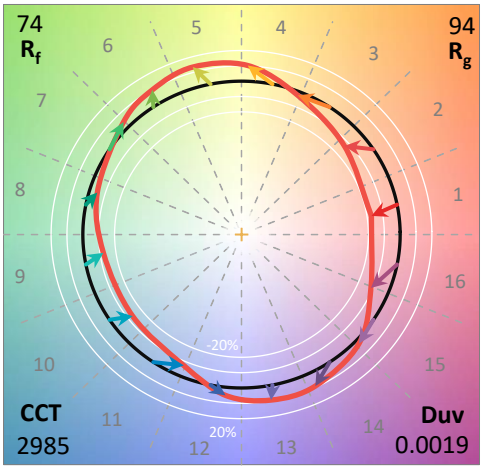
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

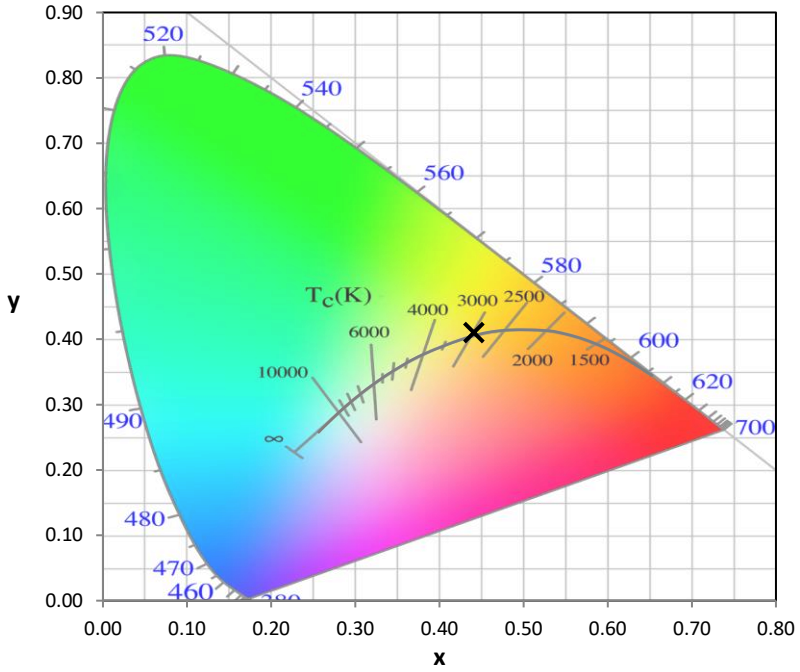
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

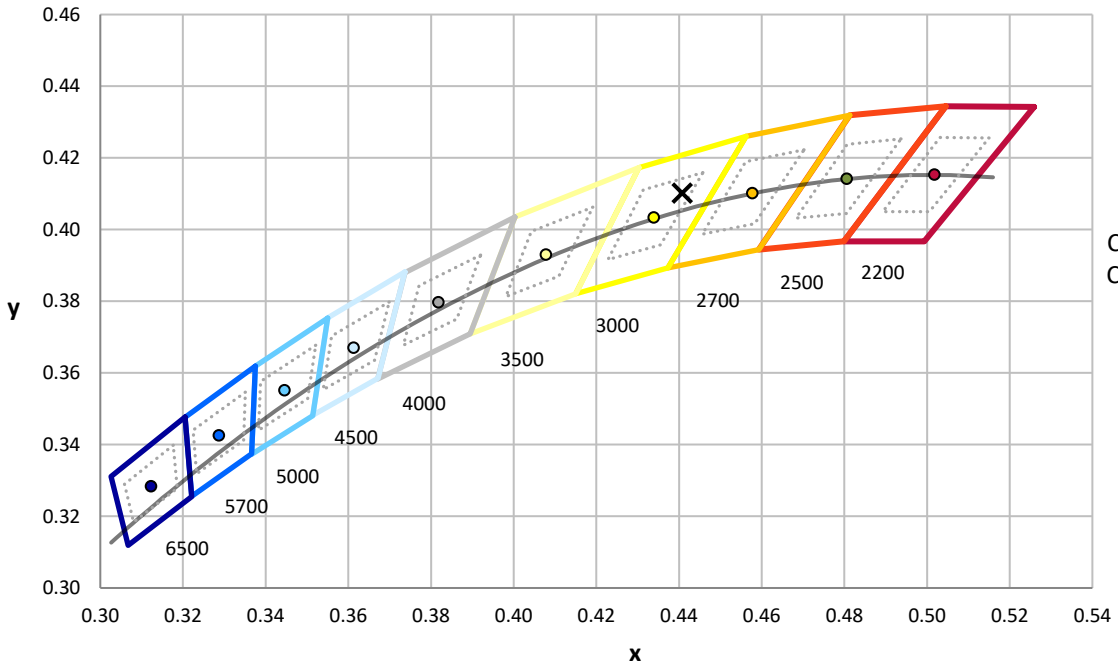
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

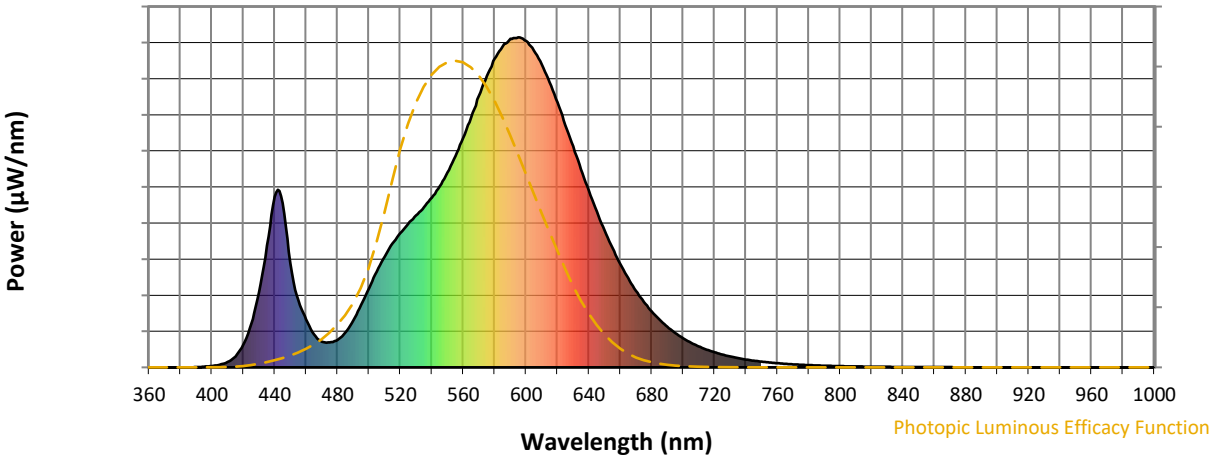


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

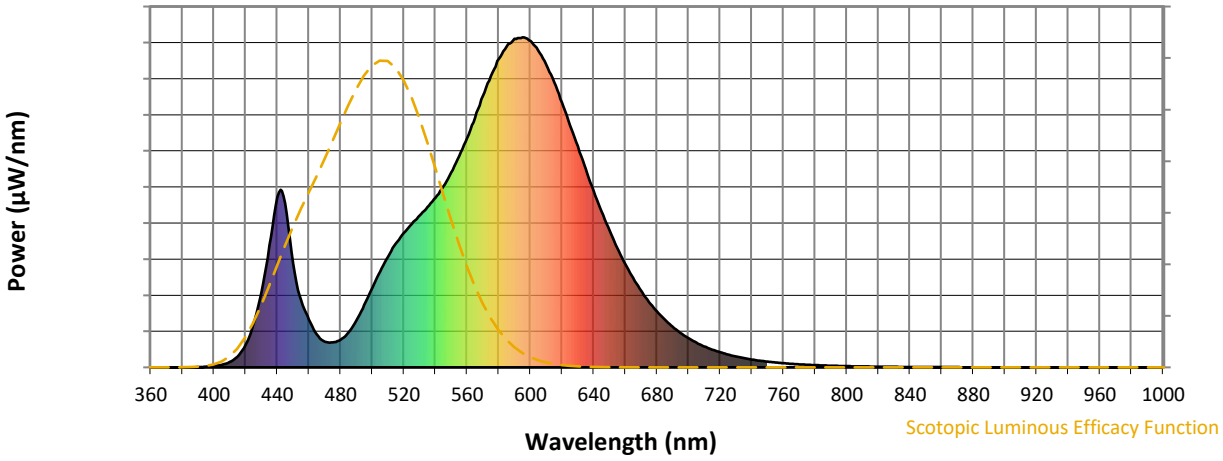


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

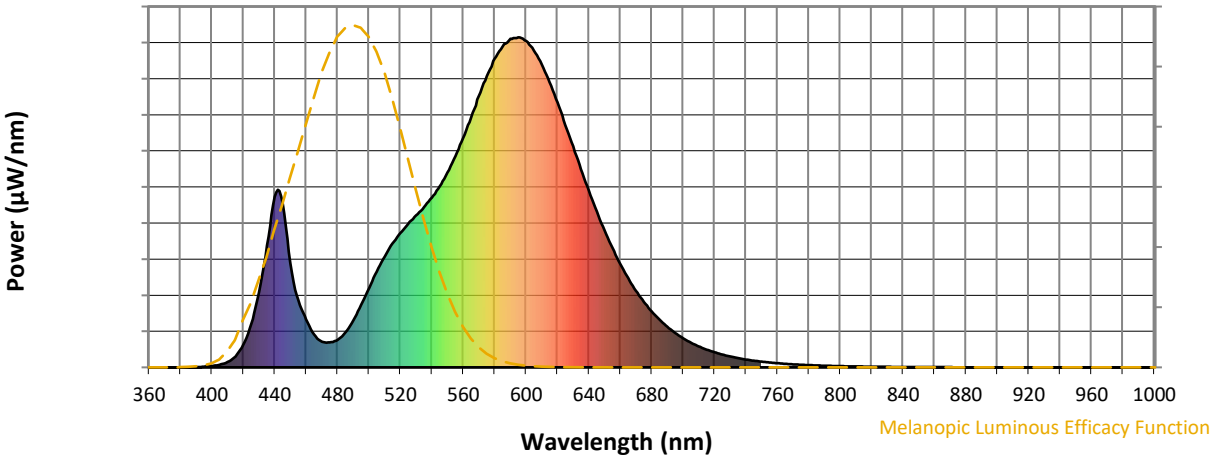


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

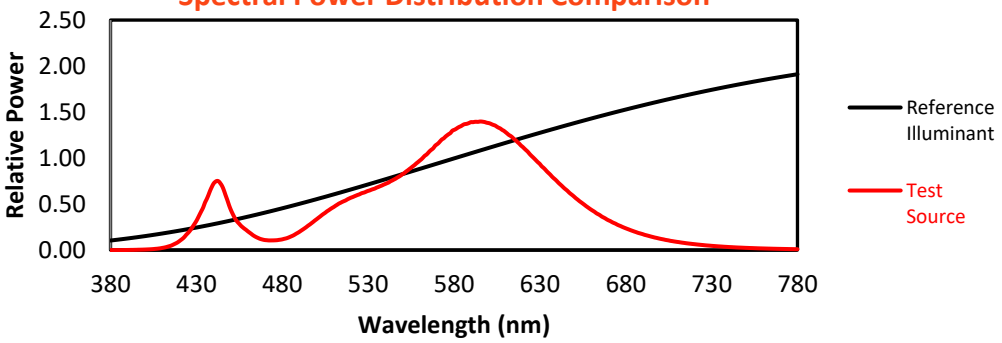
REPORT NUMBER: SP1-2407-184-4

TM-30-18

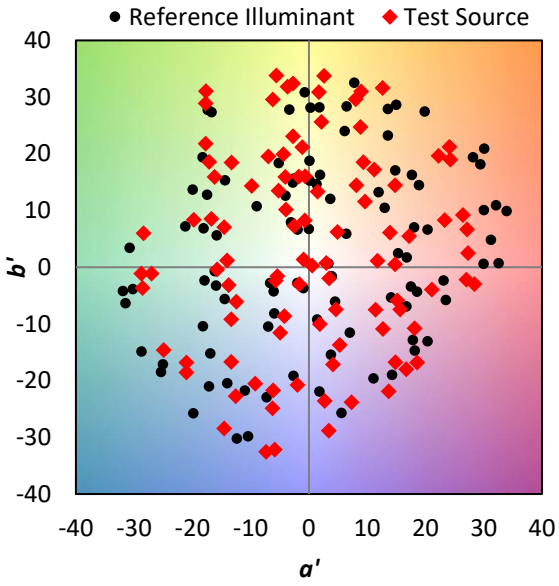
Summary

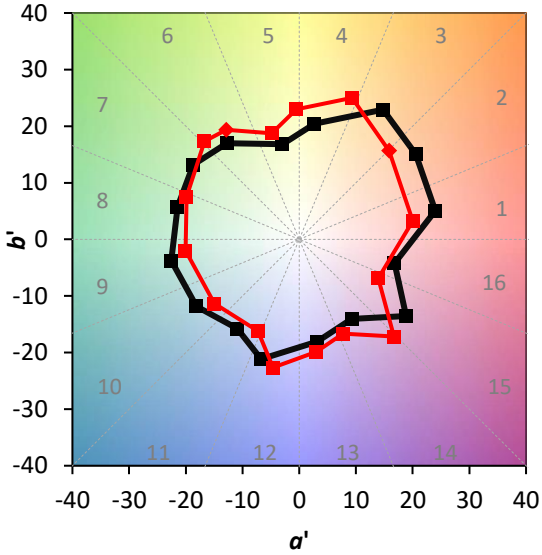
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

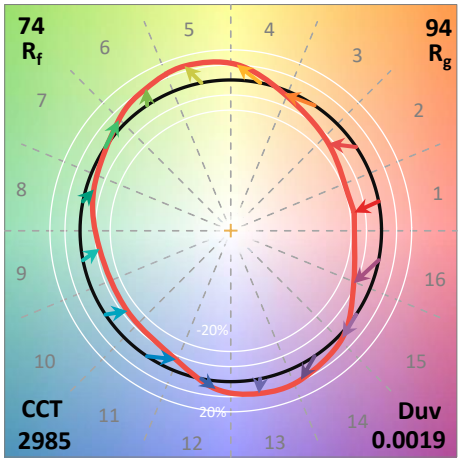
Spectral Power Distribution Comparison

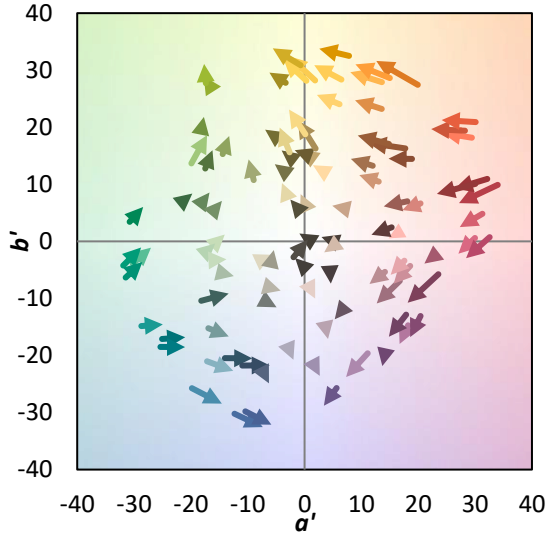


Color Vector Graphics







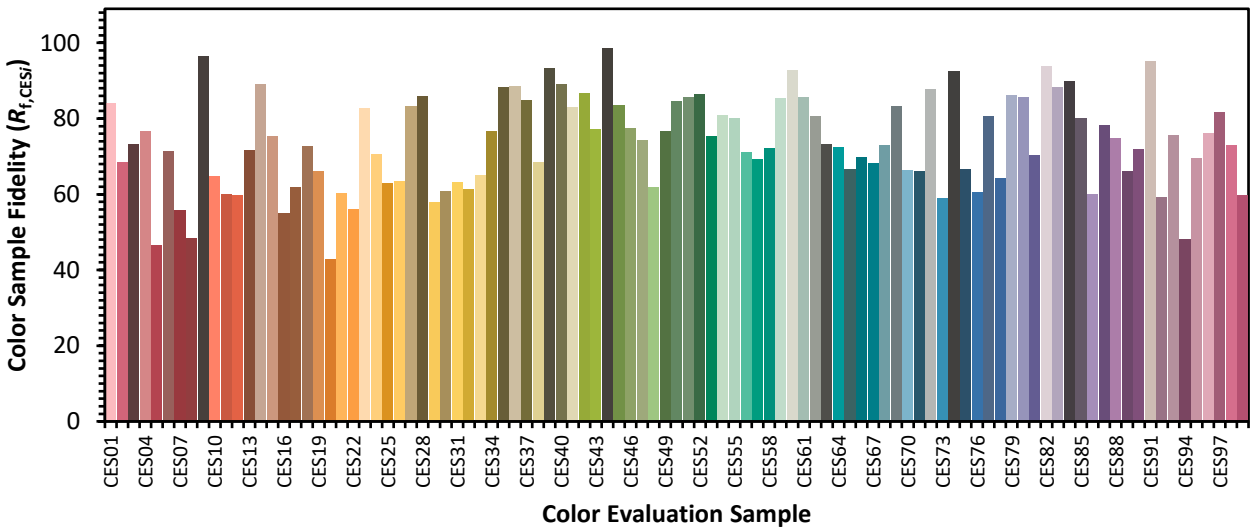


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

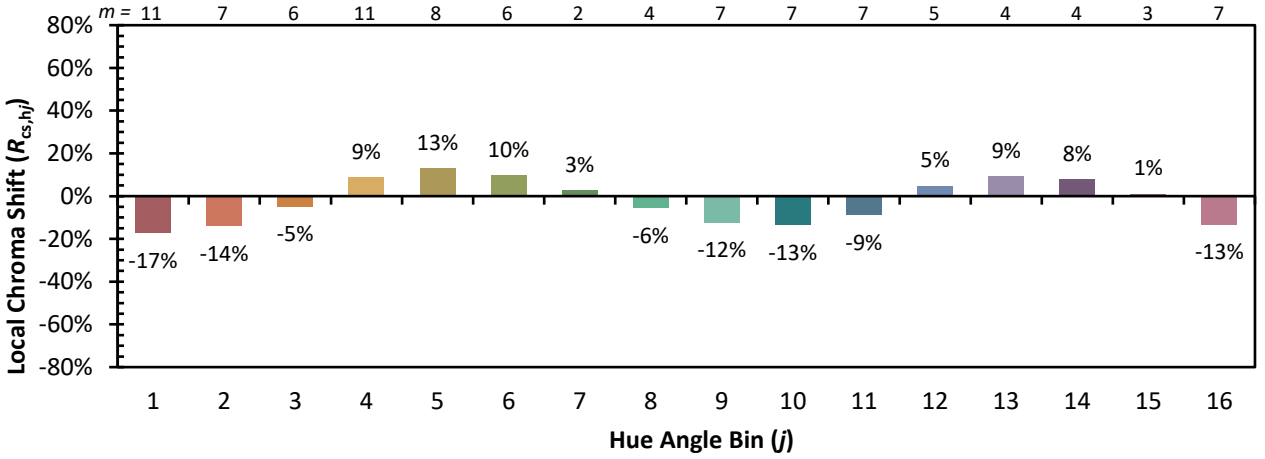
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

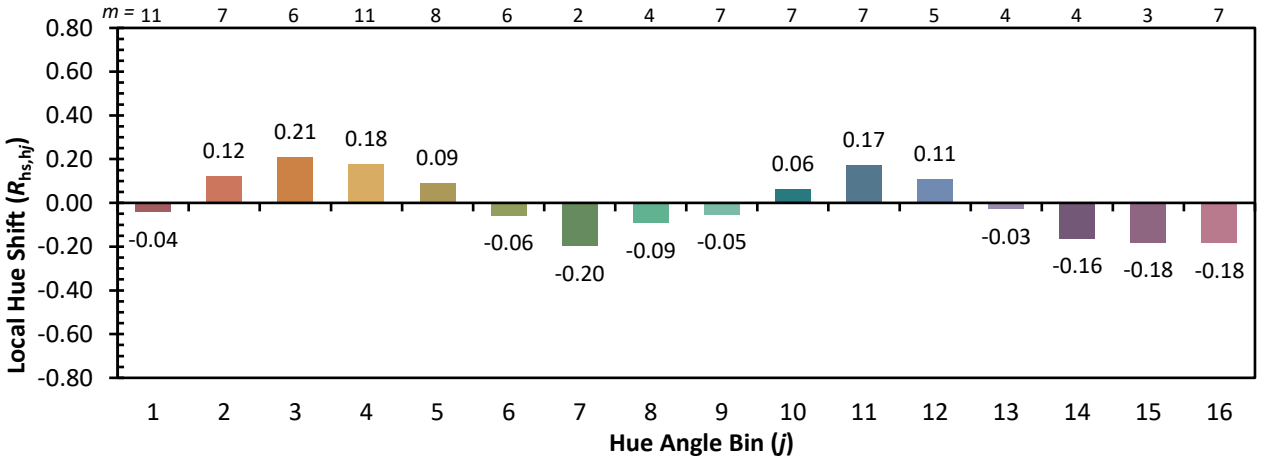


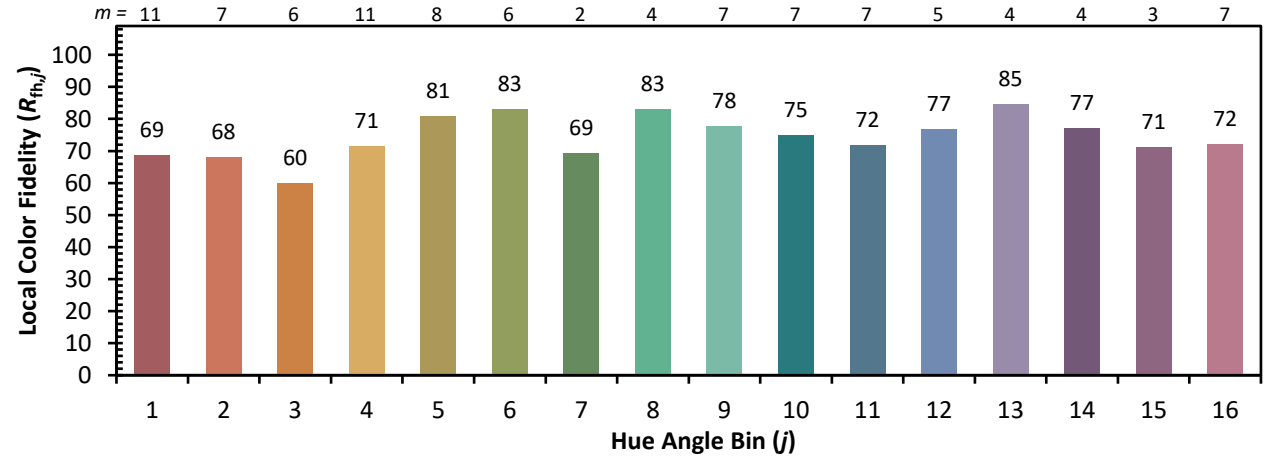
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Color Rendition by Hue-Angle Bin



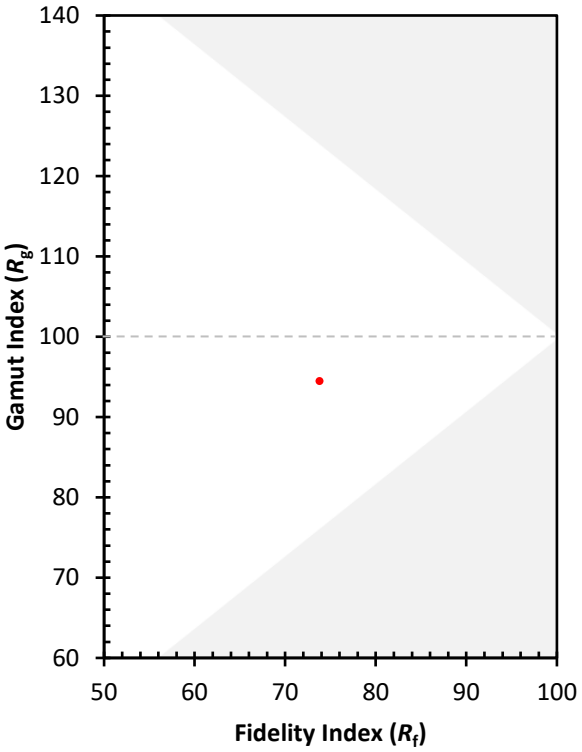


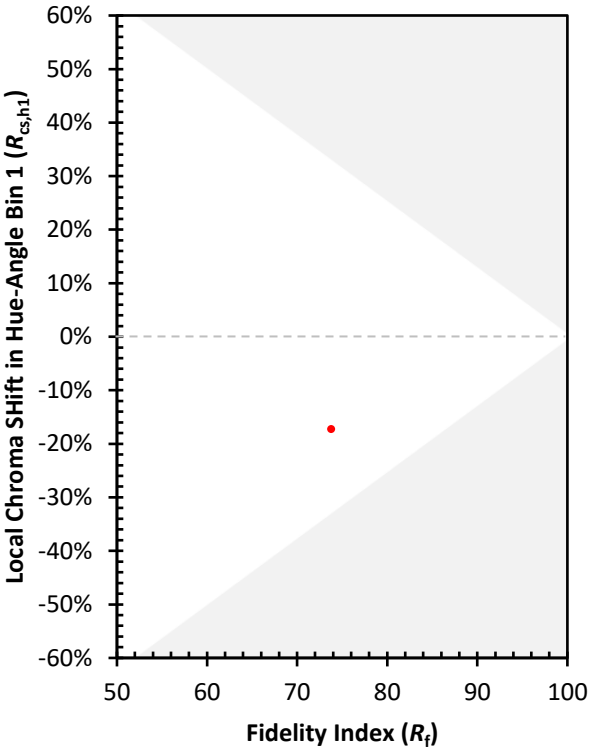


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Measure Comparisons





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