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: P1501809

Luminaire Tested: GSS-SB2A-735-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:	P1501809
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6743.4 lumens
Efficiency:	N/A
Efficacy:	116.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

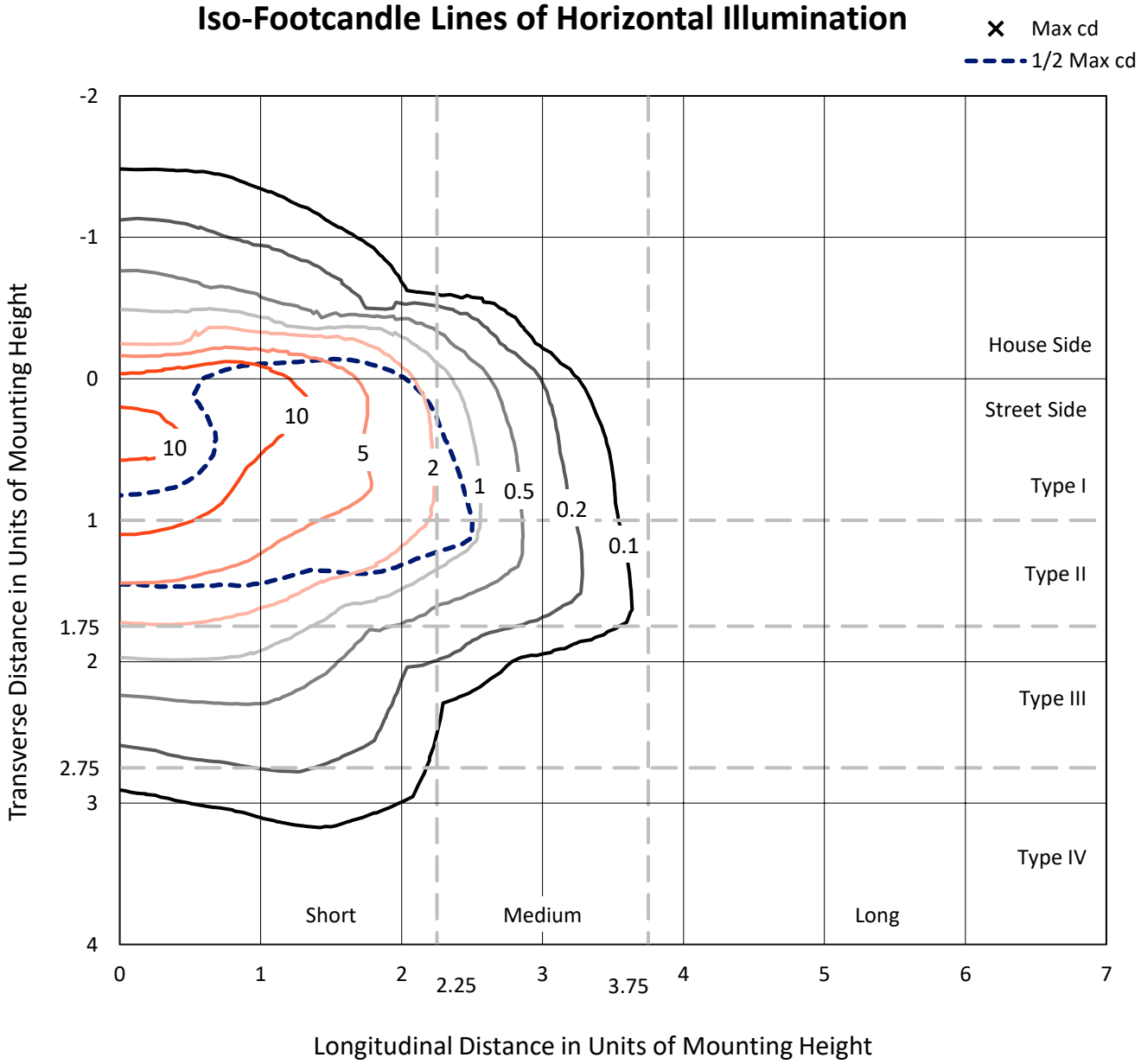
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



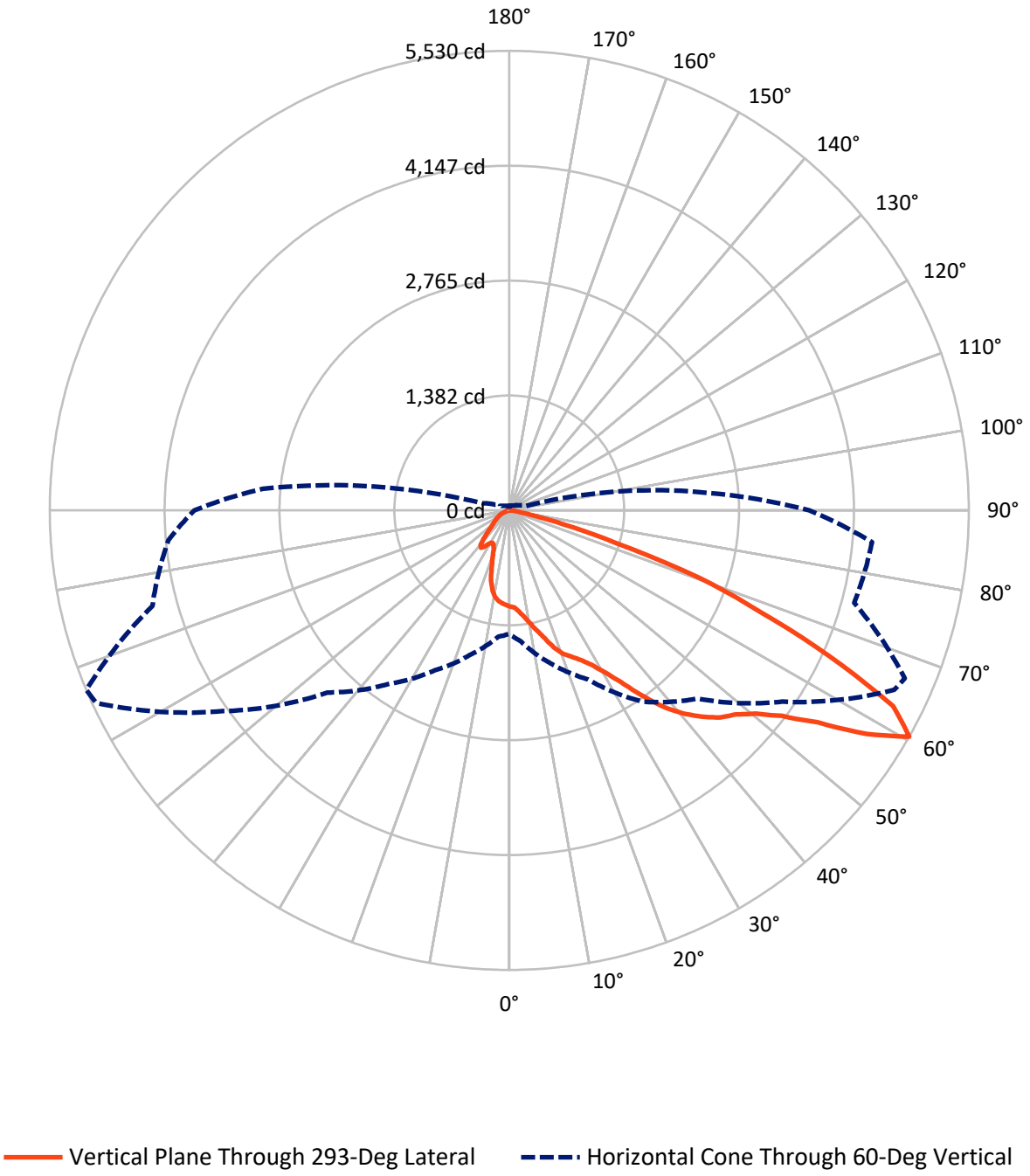
Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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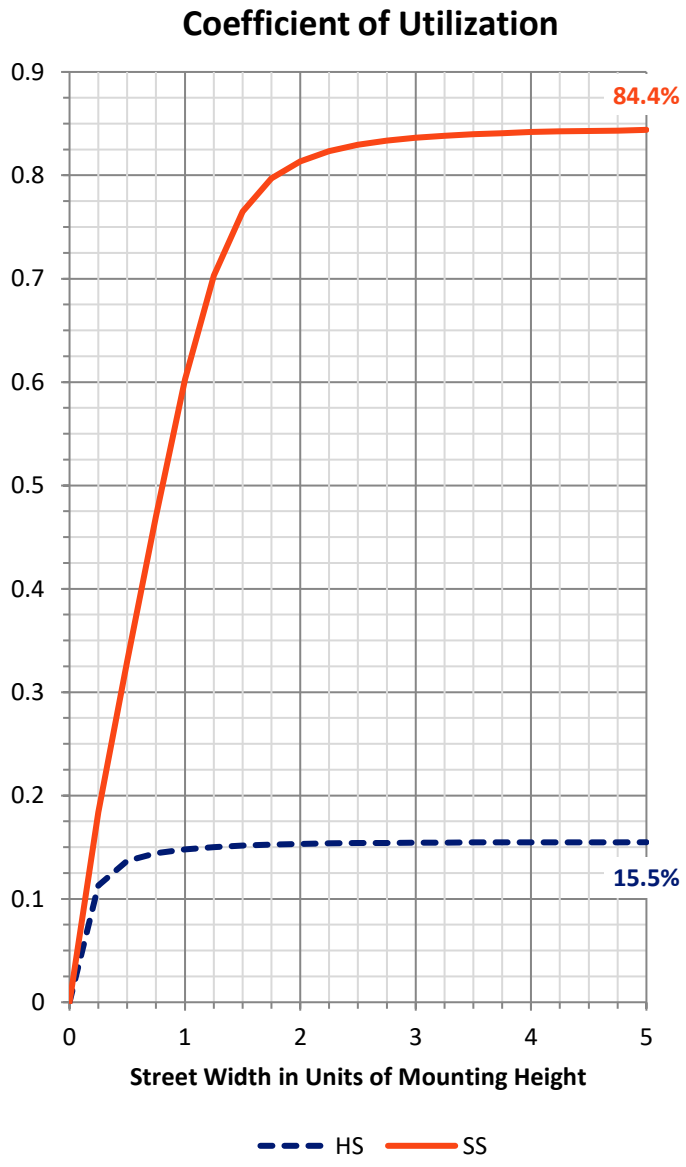
REPORT NUMBER: P1501809
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1052.1	0.0	1052.1
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	5691.2	0.0	5691.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	6743.4	0.0	6743.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	1.6
10°-20°	263.6	3.9
20°-30°	492.0	7.3
30°-40°	975.7	14.5
40°-50°	1555.7	23.1
50°-60°	1858.7	27.6
60°-70°	1218.5	18.1
70°-80°	255.3	3.8
80°-90°	19.3	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°	6743.4	100.0
0°-180°	6743.4	100.0



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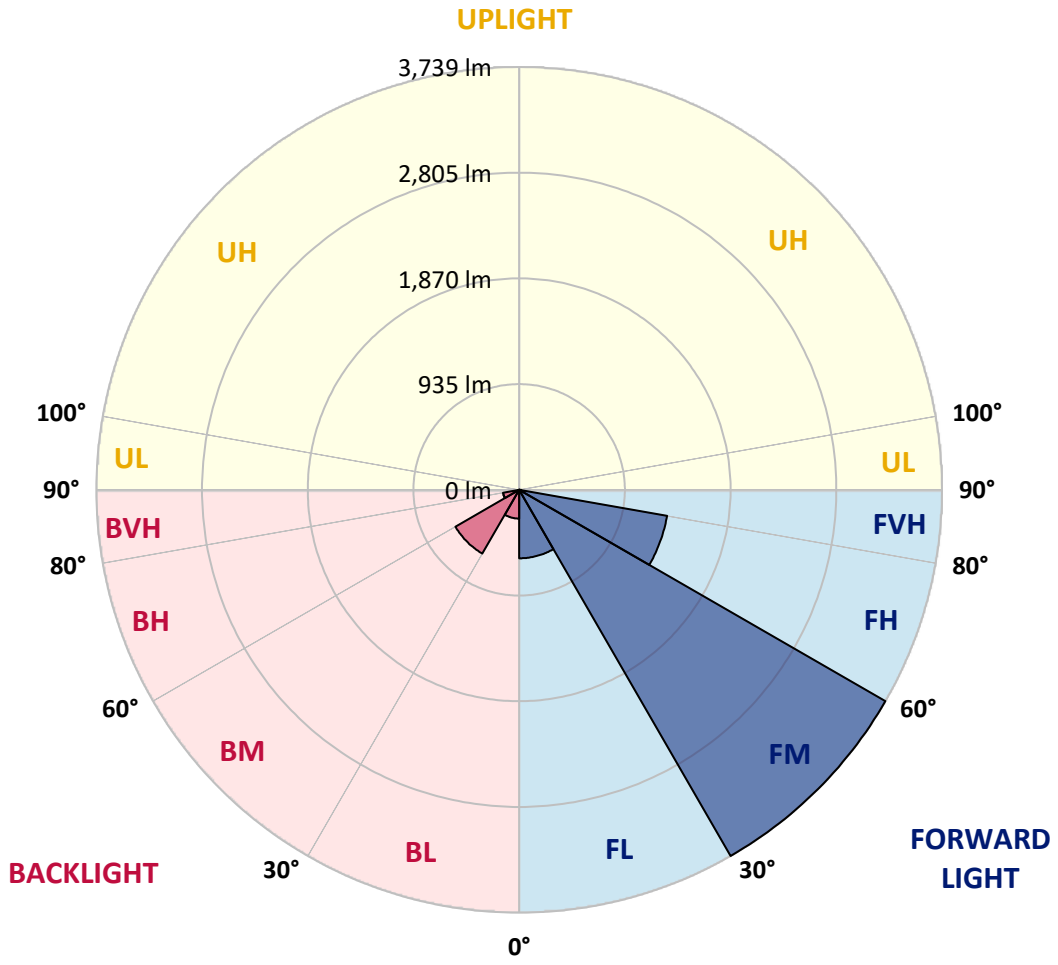
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	605.7	9.0			
FM	(30°-60°)	3739.5	55.5			
FH	(60°-80°)	1328.4	19.7			G1/1800
FVH	(80°-90°)	17.7	0.3			G1/100
BL	(0°-30°)	254.5	3.8	B1/500		
BM	(30°-60°)	650.6	9.6	B1/1000		
BH	(60°-80°)	145.3	2.2	B1/500		G1/500
BVH	(80°-90°)	1.6	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°	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7
2.5°	1214.3	1210.5	1204.8	1206.7	1204.8	1197.3	1186.0	1176.5	1184.1	1172.7	1165.2
5°	1250.2	1250.2	1246.4	1246.4	1248.3	1244.5	1237.0	1223.7	1225.6	1216.2	1191.6
7.5°	1250.2	1244.5	1253.9	1263.4	1280.4	1289.8	1293.6	1286.1	1289.8	1270.9	1238.8
10°	1176.5	1172.7	1197.3	1233.2	1282.3	1325.7	1354.0	1355.9	1361.6	1342.7	1304.9
12.5°	1019.8	1012.2	1061.3	1129.3	1229.4	1329.5	1408.8	1439.0	1452.2	1444.7	1391.8
15°	874.4	883.8	917.8	991.4	1125.5	1278.5	1439.0	1539.1	1558.0	1567.4	1505.1
17.5°	859.3	861.1	872.5	908.4	1010.3	1195.4	1442.8	1643.0	1669.4	1711.0	1626.0
20°	900.8	897.0	908.4	919.7	968.8	1121.8	1406.9	1743.1	1794.0	1882.8	1790.3
22.5°	978.2	978.2	983.9	991.4	1016.0	1116.1	1391.8	1835.6	1922.5	2103.8	1996.1
25°	1108.5	1093.4	1097.2	1087.8	1108.5	1184.1	1425.8	1909.2	2028.2	2349.3	2241.6
27.5°	1310.6	1316.3	1282.3	1231.3	1242.6	1306.8	1508.9	1992.3	2137.8	2604.2	2490.9
30°	1590.1	1580.7	1559.9	1459.8	1414.5	1471.1	1661.9	2128.3	2285.1	2927.1	2823.3
32.5°	1809.2	1835.6	1799.7	1729.8	1660.0	1677.0	1877.1	2347.4	2464.5	3223.6	3167.0
35°	2073.5	2073.5	2081.1	1982.9	1935.7	1931.9	2147.2	2585.3	2702.4	3491.8	3531.4
37.5°	2430.5	2405.9	2364.4	2254.8	2219.0	2266.2	2400.2	2830.8	2957.3	3709.0	3814.7
40°	2730.7	2747.7	2742.1	2583.4	2513.6	2564.5	2683.5	3040.4	3138.6	3848.7	4043.2
42.5°	3025.3	3034.8	3010.2	2934.7	2832.7	2836.5	2934.7	3199.1	3299.2	3982.8	4258.5
45°	3246.3	3244.4	3227.4	3208.5	3148.1	3085.8	3102.8	3374.7	3461.6	4026.2	4375.6
47.5°	3316.2	3331.3	3346.4	3399.3	3440.8	3342.6	3255.7	3469.1	3548.4	4018.7	4419.0
50°	3252.0	3284.1	3357.7	3437.0	3578.7	3571.1	3384.1	3571.1	3648.5	4060.2	4470.0
52.5°	3108.4	3140.5	3238.7	3382.3	3595.7	3701.4	3622.1	3743.0	3833.6	4166.0	4575.8
55°	2774.2	2787.4	2989.5	3178.3	3510.7	3644.8	3877.0	4033.8	4109.3	4294.4	4715.5
57.5°	2258.6	2290.7	2489.0	2796.8	3272.7	3495.6	4022.4	4530.4	4528.6	4417.1	4745.7
60°	*1486.2*	*1580.7*	*1903.6*	*2243.5*	*2811.9*	*3202.9*	*4013.0*	*5112.1*	*5170.6*	*4296.3*	*4381.3*
62.5°	1135.0	1174.6	1357.8	1641.1	2081.1	2655.2	3950.7	5285.8	5331.2	3971.5	3835.5
65°	853.6	902.7	1078.3	1331.4	1469.2	1799.7	3542.8	4594.7	4657.0	3544.7	2981.9
67.5°	523.1	562.8	796.9	1093.4	1112.3	1118.0	2390.8	3480.5	3503.1	2859.1	2007.4
70°	349.4	389.0	551.4	840.4	885.7	644.0	1312.5	2634.4	2632.5	1956.5	1220.0
72.5°	202.1	221.0	349.4	619.4	696.8	409.8	655.3	1675.1	1601.4	919.7	570.3
75°	115.2	128.4	192.6	398.5	489.1	260.6	258.7	897.0	793.2	474.0	311.6
77.5°	69.9	75.5	105.8	260.6	294.6	175.6	143.5	417.4	402.2	277.6	164.3
80°	34.0	39.7	64.2	153.0	188.8	94.4	86.9	164.3	175.6	153.0	86.9
82.5°	11.3	15.1	35.9	58.5	122.8	37.8	35.9	90.6	96.3	90.6	41.5
85°	5.7	7.6	17.0	18.9	47.2	18.9	13.2	39.7	49.1	30.2	17.0
87.5°	0.0	1.9	1.9	1.9	1.9	1.9	1.9	3.8	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	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7
2.5°	1159.5	1155.7	1148.2	1135.0	1133.1	1123.6	1108.5	1099.1	1091.5	1097.2	1099.1
5°	1180.3	1170.9	1148.2	1112.3	1074.5	1036.8	1000.9	959.3	931.0	927.2	919.7
7.5°	1218.1	1199.2	1150.1	1080.2	983.9	893.2	787.5	685.5	634.5	627.0	610.0
10°	1278.5	1246.4	1165.2	1023.6	838.5	649.6	489.1	379.6	317.3	305.9	309.7
12.5°	1350.3	1304.9	1167.1	927.2	638.3	402.2	277.6	236.1	222.8	217.2	217.2
15°	1442.8	1376.7	1165.2	802.6	430.6	258.7	222.8	205.8	200.2	196.4	196.4
17.5°	1559.9	1473.0	1152.0	615.6	290.8	224.7	204.0	190.7	183.2	181.3	181.3
20°	1697.7	1580.7	1121.8	458.9	243.6	209.6	192.6	175.6	170.0	166.2	166.2
22.5°	1873.4	1711.0	1063.2	356.9	230.4	200.2	181.3	162.4	156.7	153.0	153.0
25°	2077.3	1877.1	985.8	321.0	228.5	192.6	170.0	151.1	145.4	143.5	141.6
27.5°	2319.0	2054.7	914.0	322.9	232.3	187.0	158.6	141.6	136.0	130.3	132.2
30°	2604.2	2237.8	855.5	345.6	236.1	181.3	151.1	136.0	130.3	122.8	122.8
32.5°	2885.6	2453.1	849.8	387.1	249.3	177.5	143.5	128.4	122.8	117.1	117.1
35°	3174.5	2649.5	881.9	441.9	275.7	171.9	134.1	120.9	115.2	111.4	109.5
37.5°	3450.2	2806.3	912.1	475.9	260.6	147.3	122.8	111.4	105.8	98.2	98.2
40°	3633.4	2891.3	917.8	449.5	215.3	132.2	111.4	100.1	92.5	88.8	86.9
42.5°	3767.5	2946.0	853.6	364.5	187.0	120.9	102.0	90.6	85.0	81.2	81.2
45°	3822.3	2927.1	744.1	277.6	171.9	111.4	92.5	83.1	79.3	75.5	75.5
47.5°	3814.7	2840.3	632.6	222.8	156.7	102.0	86.9	79.3	75.5	71.8	69.9
50°	3801.5	2759.1	519.3	198.3	139.7	96.3	81.2	75.5	69.9	66.1	64.2
52.5°	3888.4	2732.6	430.6	181.3	130.3	92.5	79.3	71.8	66.1	62.3	62.3
55°	3975.2	2744.0	338.0	170.0	120.9	90.6	77.4	69.9	64.2	58.5	58.5
57.5°	3969.6	2694.9	256.8	158.6	113.3	88.8	75.5	68.0	58.5	54.8	54.8
60°	*3608.9*	*2404.0*	*200.2*	*145.4*	*103.9*	*83.1*	*69.9*	*64.2*	*54.8*	*49.1*	*49.1*
62.5°	3051.8	1890.4	164.3	128.4	92.5	75.5	64.2	58.5	49.1	39.7	39.7
65°	2254.8	1363.5	132.2	111.4	85.0	66.1	58.5	51.0	39.7	32.1	30.2
67.5°	1525.9	838.5	105.8	92.5	75.5	56.7	49.1	43.4	35.9	26.4	24.6
70°	904.6	445.7	77.4	64.2	56.7	41.5	41.5	37.8	30.2	22.7	20.8
72.5°	430.6	154.9	56.7	47.2	43.4	30.2	32.1	32.1	24.6	17.0	15.1
75°	219.1	75.5	37.8	34.0	28.3	22.7	26.4	24.6	17.0	11.3	11.3
77.5°	124.6	52.9	26.4	22.7	18.9	15.1	17.0	15.1	9.4	5.7	5.7
80°	69.9	37.8	17.0	15.1	11.3	9.4	9.4	7.6	5.7	1.9	1.9
82.5°	26.4	22.7	11.3	7.6	5.7	5.7	3.8	3.8	1.9	0.0	0.0
85°	11.3	5.7	5.7	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0
87.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7
2.5°	1084.0	1087.8	1091.5	1106.6	1110.4	1121.8	1131.2	1142.5	1144.4	1159.5	1159.5
5°	934.8	932.9	965.0	1012.2	1042.4	1084.0	1116.1	1150.1	1169.0	1193.5	1204.8
7.5°	619.4	666.6	738.4	821.5	929.1	1029.2	1104.8	1170.9	1216.2	1244.5	1255.8
10°	307.8	334.3	409.8	545.8	729.0	932.9	1093.4	1216.2	1289.8	1321.9	1342.7
12.5°	217.2	222.8	236.1	309.7	485.3	774.3	1057.5	1265.3	1367.3	1427.7	1454.1
15°	194.5	198.3	204.0	224.7	300.3	577.9	993.3	1320.0	1488.1	1558.0	1592.0
17.5°	179.4	181.3	187.0	204.0	236.1	392.8	889.5	1378.6	1633.5	1718.5	1782.7
20°	166.2	166.2	171.9	192.6	219.1	302.2	740.3	1444.7	1818.6	1941.4	2005.6
22.5°	151.1	154.9	158.6	181.3	213.4	275.7	600.5	1495.7	2024.4	2173.6	2249.2
25°	139.7	143.5	147.3	170.0	207.7	275.7	519.3	1527.8	2254.8	2432.4	2536.2
27.5°	130.3	134.1	139.7	162.4	202.1	287.0	487.2	1537.2	2506.0	2736.4	2876.1
30°	122.8	126.5	132.2	156.7	205.8	300.3	498.6	1524.0	2760.9	3049.9	3216.1
32.5°	115.2	119.0	124.6	151.1	205.8	317.3	536.3	1497.6	3008.3	3363.4	3567.3
35°	109.5	111.4	113.3	136.0	187.0	315.4	583.5	1471.1	3257.6	3673.1	3911.0
37.5°	98.2	100.1	103.9	117.1	149.2	287.0	593.0	1439.0	3454.0	3933.7	4196.2
40°	86.9	90.6	94.4	107.6	124.6	232.3	551.4	1371.0	3557.9	4133.9	4453.0
42.5°	79.3	81.2	85.0	98.2	115.2	185.1	462.7	1252.1	3650.4	4269.8	4640.0
45°	73.7	75.5	79.3	88.8	107.6	160.5	364.5	1106.6	3658.0	4313.3	4730.6
47.5°	68.0	69.9	71.8	81.2	103.9	143.5	279.5	974.5	3656.1	4369.9	4808.1
50°	64.2	66.1	69.9	77.4	98.2	128.4	230.4	866.8	3735.4	4492.7	4964.8
52.5°	62.3	62.3	68.0	75.5	92.5	117.1	192.6	770.5	3776.9	4613.5	5078.1
55°	58.5	60.4	64.2	71.8	86.9	111.4	164.3	649.6	3795.8	4674.0	5098.9
57.5°	54.8	56.7	62.3	68.0	83.1	105.8	141.6	485.3	3525.8	4358.6	4751.4
60°	*49.1*	*52.9*	*60.4*	*66.1*	*77.4*	*96.3*	*124.6*	*328.6*	*2974.3*	*3788.3*	*4116.9*
62.5°	39.7	47.2	54.8	58.5	69.9	81.2	105.8	219.1	2375.7	3134.9	3508.8
65°	30.2	39.7	45.3	51.0	58.5	68.0	88.8	149.2	1584.4	2109.4	2530.6
67.5°	26.4	34.0	37.8	41.5	49.1	58.5	71.8	103.9	961.2	1267.2	1682.6
70°	20.8	28.3	32.1	30.2	37.8	45.3	51.0	69.9	491.0	687.4	957.5
72.5°	15.1	22.7	24.6	24.6	22.7	32.1	37.8	49.1	213.4	334.3	434.3
75°	11.3	15.1	17.0	15.1	13.2	20.8	26.4	32.1	139.7	200.2	253.1
77.5°	5.7	5.7	9.4	9.4	5.7	11.3	13.2	18.9	79.3	117.1	145.4
80°	1.9	0.0	0.0	1.9	0.0	3.8	5.7	9.4	41.5	62.3	90.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	20.8	18.9	47.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	11.3
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

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

Scaled Data Report

REPORT NUMBER: P1501809
CATALOG NUMBER: GSS-SB2A-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1155.7	*1155.7*	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7	1155.7
2.5°	1169.0	*1169.0*	1176.5	1187.8	1193.5	1197.3	1199.2	1203.0	1218.1	1214.3
5°	1218.1	*1221.8*	1227.5	1238.8	1252.1	1248.3	1248.3	1248.3	1257.7	1250.2
7.5°	1282.3	*1293.6*	1295.5	1308.7	1299.3	1280.4	1269.1	1252.1	1250.2	1250.2
10°	1386.1	*1382.4*	1382.4	1365.4	1331.4	1276.6	1227.5	1193.5	1174.6	1176.5
12.5°	1497.6	*1482.5*	1484.3	1422.0	1325.7	1204.8	1104.8	1031.1	1025.4	1019.8
15°	1635.4	*1595.8*	1588.2	1444.7	1240.7	1055.7	957.5	898.9	880.0	874.4
17.5°	1831.8	*1731.7*	1695.8	1405.0	1129.3	963.1	889.5	863.0	861.1	859.3
20°	2039.6	*1841.3*	1773.3	1346.5	1091.5	965.0	910.2	902.7	898.9	900.8
22.5°	2281.3	*1911.1*	1824.3	1355.9	1125.5	1027.3	983.9	978.2	974.5	978.2
25°	2530.6	*1992.3*	1884.7	1431.5	1227.5	1142.5	1091.5	1080.2	1091.5	1108.5
27.5°	2781.7	*2101.9*	2003.7	1580.7	1391.8	1299.3	1250.2	1291.7	1308.7	1310.6
30°	3004.6	*2254.8*	2164.2	1790.3	1578.8	1486.2	1495.7	1548.5	1569.3	1590.1
32.5°	3208.5	*2458.8*	2388.9	2028.2	1820.5	1765.7	1760.1	1799.7	1822.4	1809.2
35°	3414.4	*2725.1*	2657.1	2286.9	2117.0	2071.7	2024.4	2101.9	2094.3	2073.5
37.5°	3608.9	*2993.2*	2930.9	2564.5	2388.9	2309.6	2302.0	2371.9	2434.2	2430.5
40°	3748.6	*3210.4*	3134.9	2840.3	2674.1	2606.1	2645.8	2766.6	2751.5	2730.7
42.5°	3877.0	*3395.5*	3327.5	3082.0	2908.2	2938.5	2974.3	3055.6	3046.1	3025.3
45°	3937.5	*3554.1*	3495.6	3265.2	3180.2	3276.5	3274.6	3304.8	3253.8	3246.3
47.5°	4022.4	*3667.4*	3607.0	3429.5	3505.0	3544.7	3433.2	3401.1	3353.9	3316.2
50°	4179.2	*3843.0*	3782.6	3678.7	3743.0	3620.2	3484.2	3414.4	3318.0	3252.0
52.5°	4362.4	*4109.3*	4056.4	4014.9	3835.5	3582.4	3408.7	3282.2	3165.1	3108.4
55°	4592.8	*4502.1*	4464.4	4235.8	3752.4	3427.6	3223.6	2987.6	2827.0	2774.2
57.5°	4668.3	*5078.1*	5064.9	4271.7	3520.1	3146.2	2777.9	2458.8	2292.6	2258.6
60°	*4445.5*	*5529.5*	*5482.2*	*4211.3*	*3099.0*	*2553.2*	*2122.6*	*1795.9*	*1525.9*	*1486.2*
62.5°	4160.3	*5183.9*	5166.9	3907.3	2360.6	1829.9	1586.3	1280.4	1165.2	1135.0
65°	3563.5	*4241.5*	4249.1	3134.9	1493.8	1314.4	1303.0	1017.9	876.3	853.6
67.5°	2744.0	*3253.8*	3201.0	1971.6	870.6	1051.9	1040.5	744.1	538.2	523.1
70°	1603.3	*2422.9*	2337.9	1025.4	576.0	878.1	800.7	523.1	366.4	349.4
72.5°	708.2	*1333.3*	1431.5	451.3	406.0	698.7	577.9	321.0	205.8	202.1
75°	392.8	*661.0*	691.2	196.4	285.2	496.7	349.4	179.4	117.1	115.2
77.5°	236.1	*292.7*	285.2	126.5	213.4	317.3	211.5	102.0	73.7	69.9
80°	132.2	*134.1*	113.3	92.5	126.5	177.5	119.0	64.2	34.0	34.0
82.5°	81.2	*73.7*	58.5	28.3	34.0	107.6	43.4	35.9	11.3	11.3
85°	34.0	*22.7*	15.1	5.7	13.2	28.3	15.1	17.0	5.7	5.7
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

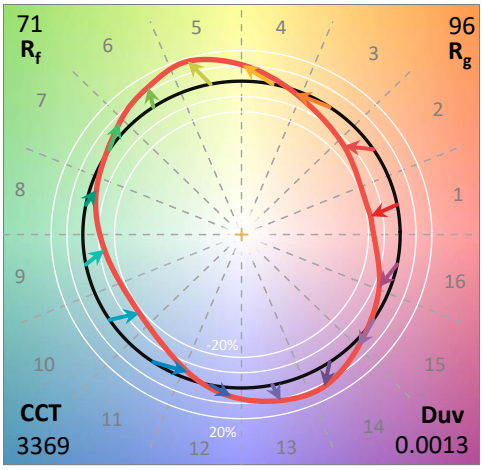
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

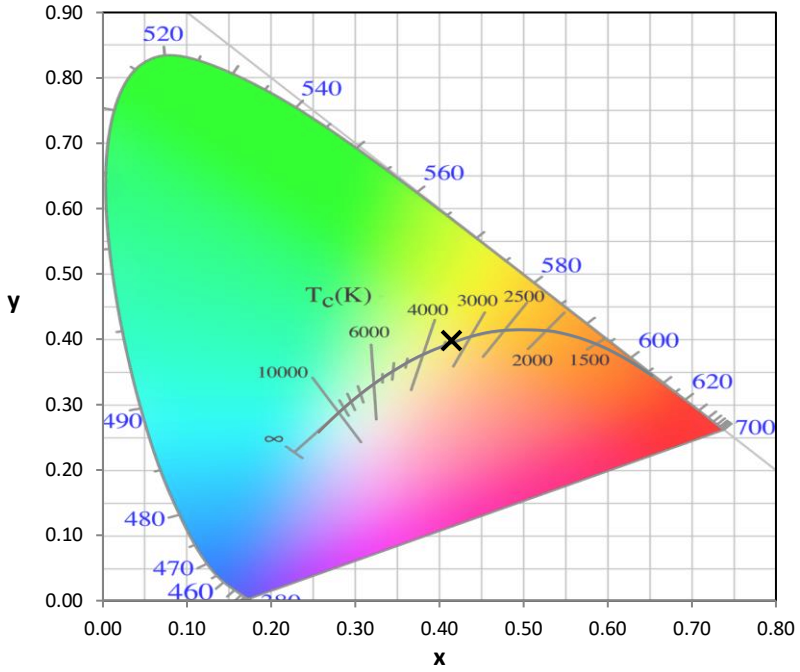
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

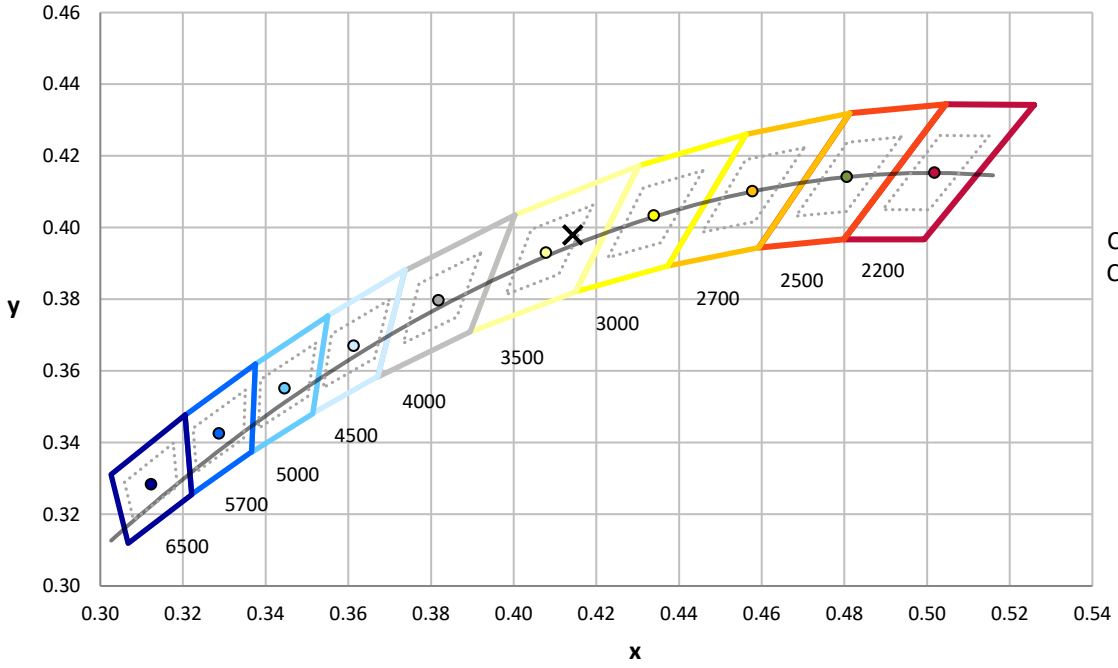
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

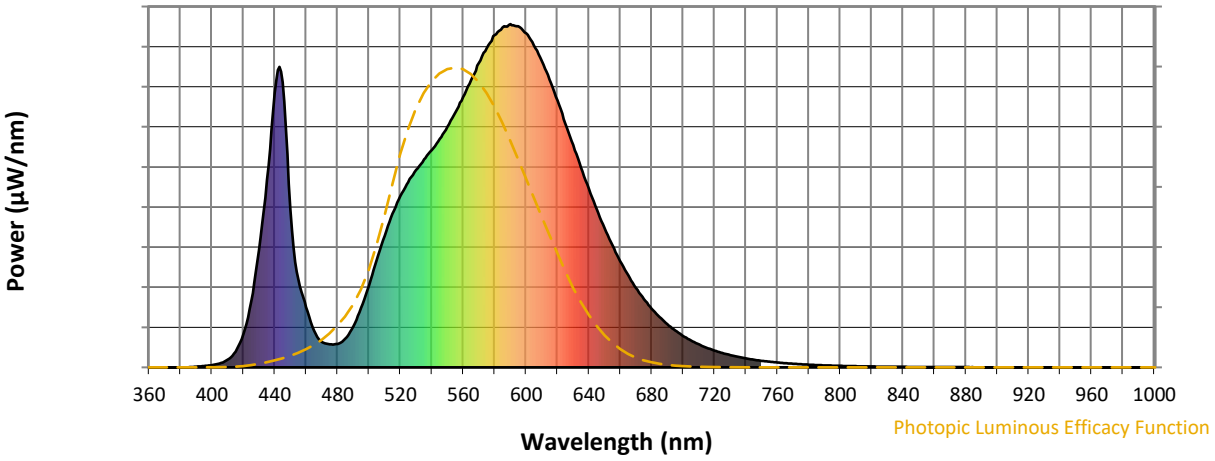


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

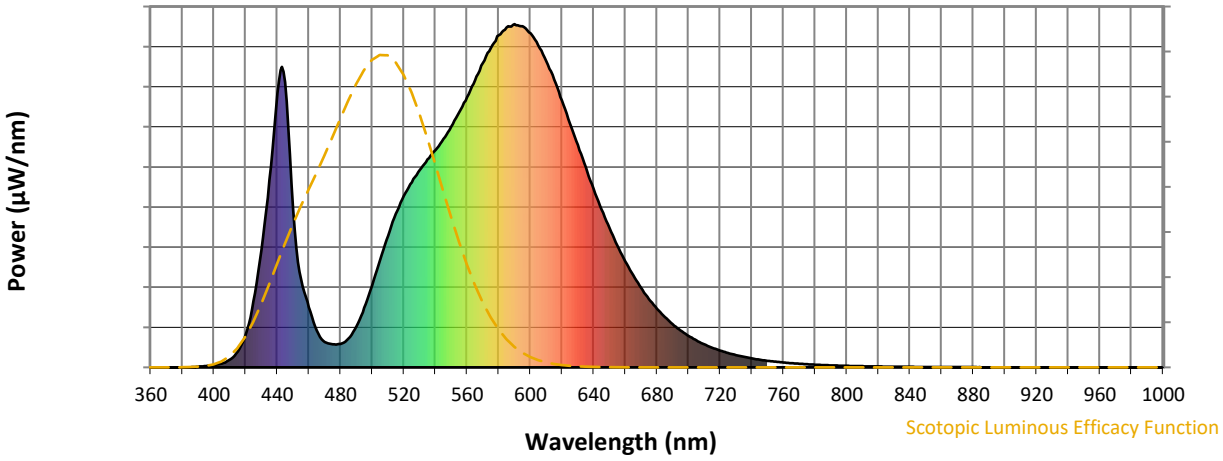


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

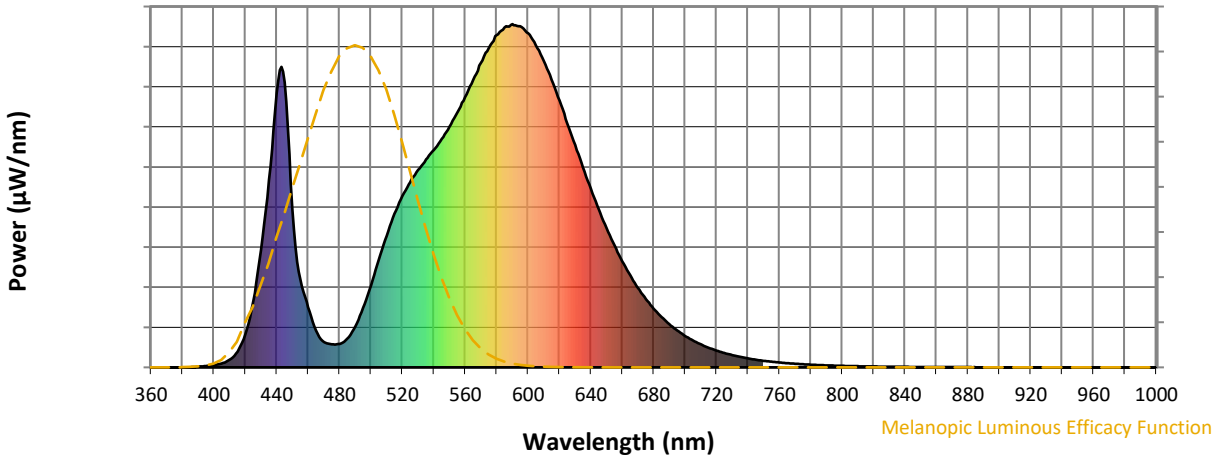


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

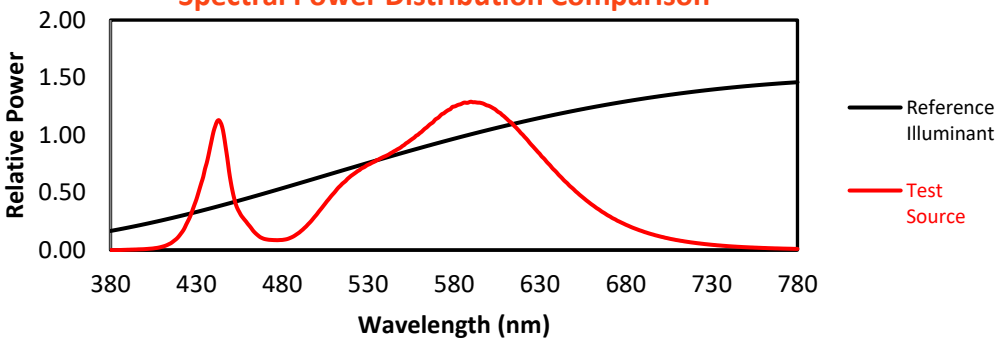
REPORT NUMBER: SP1-2407-184-5

TM-30-18

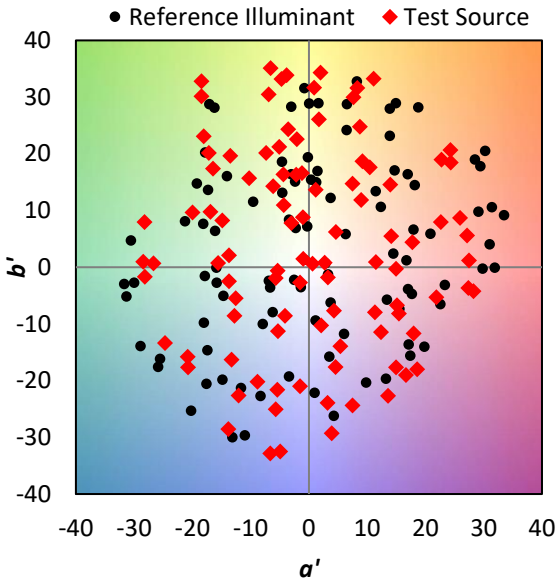
Summary

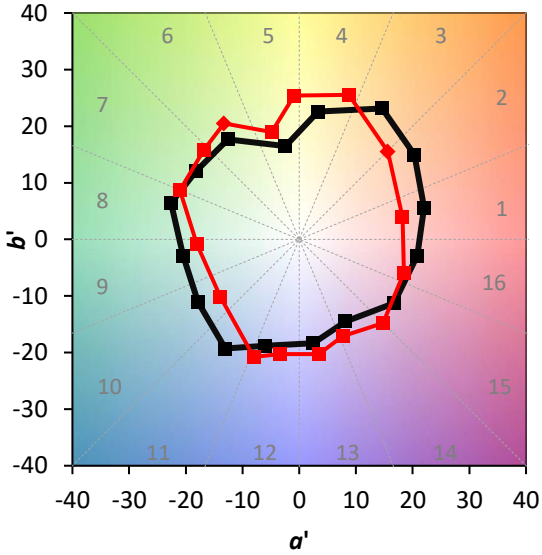
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

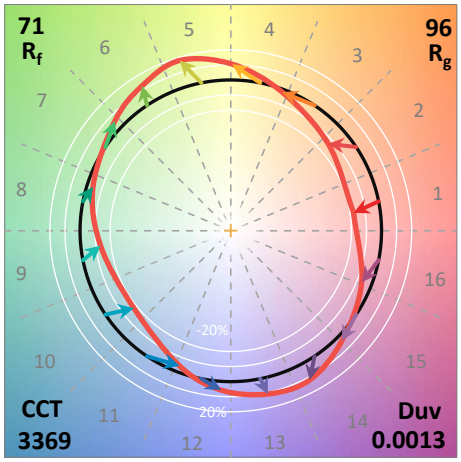
Spectral Power Distribution Comparison

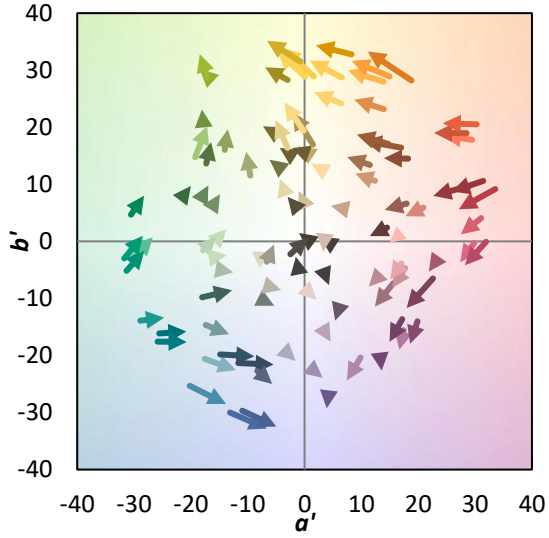


Color Vector Graphics







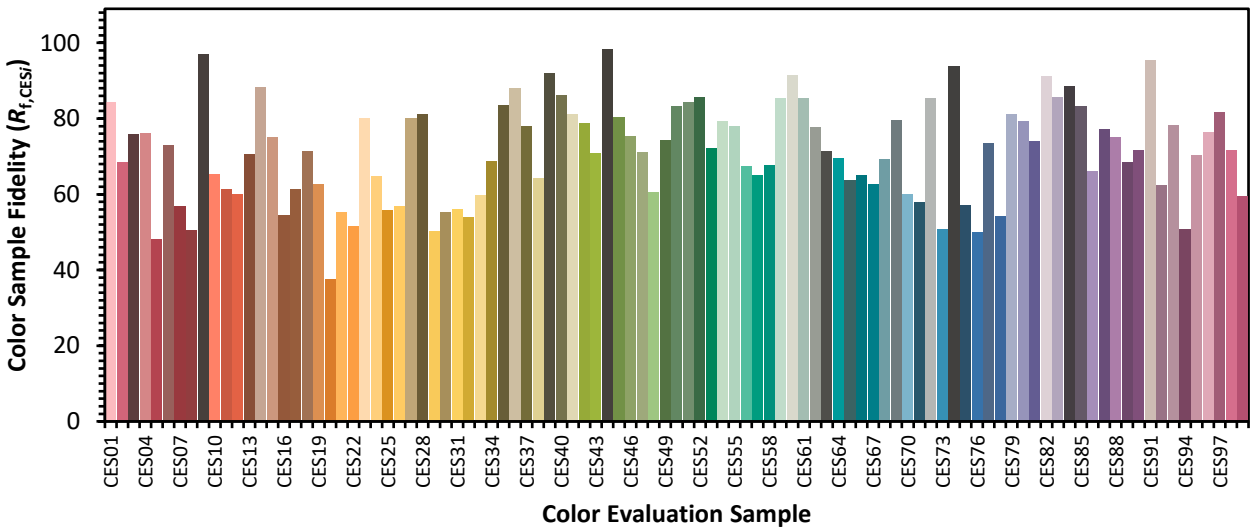


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

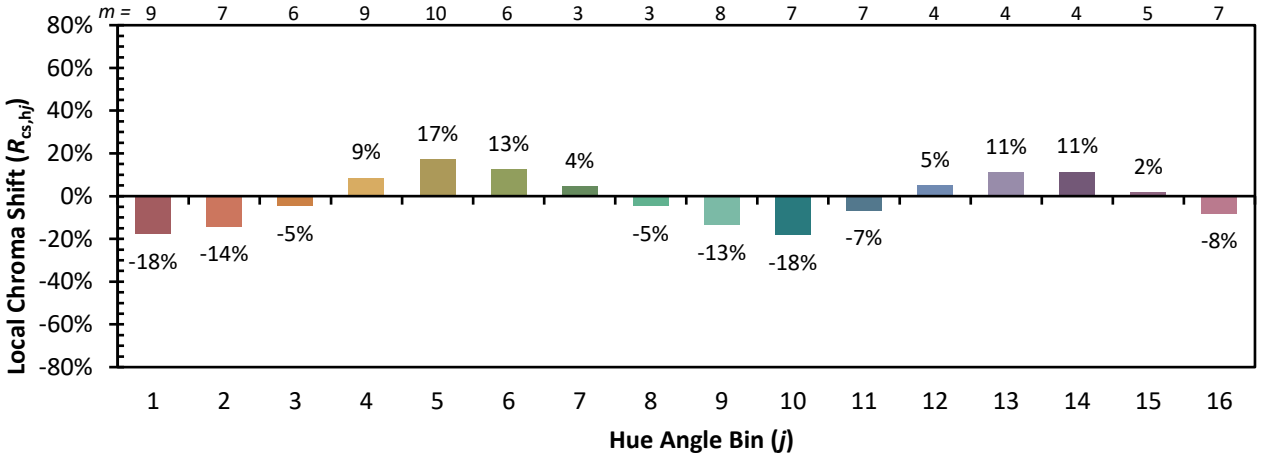
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

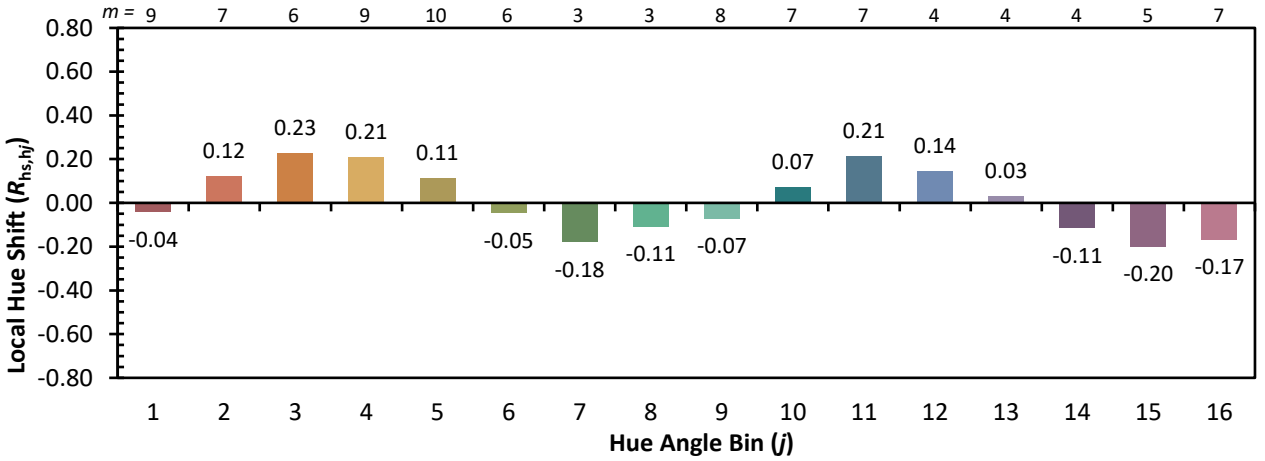


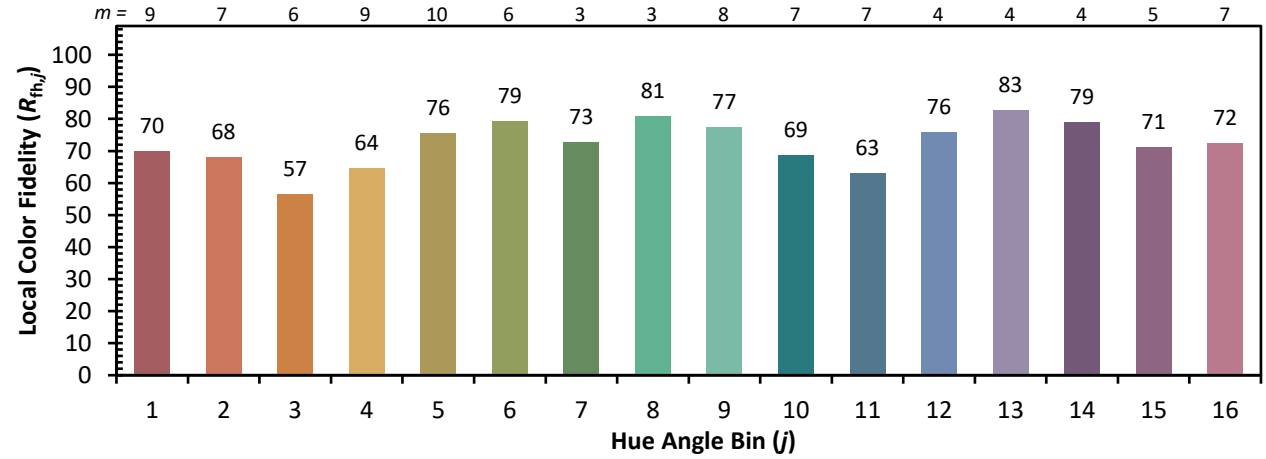
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Color Rendition by Hue-Angle Bin



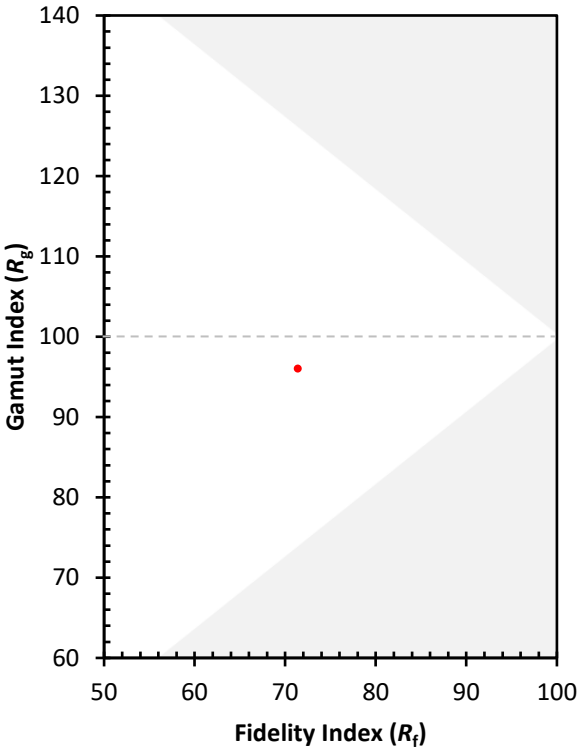


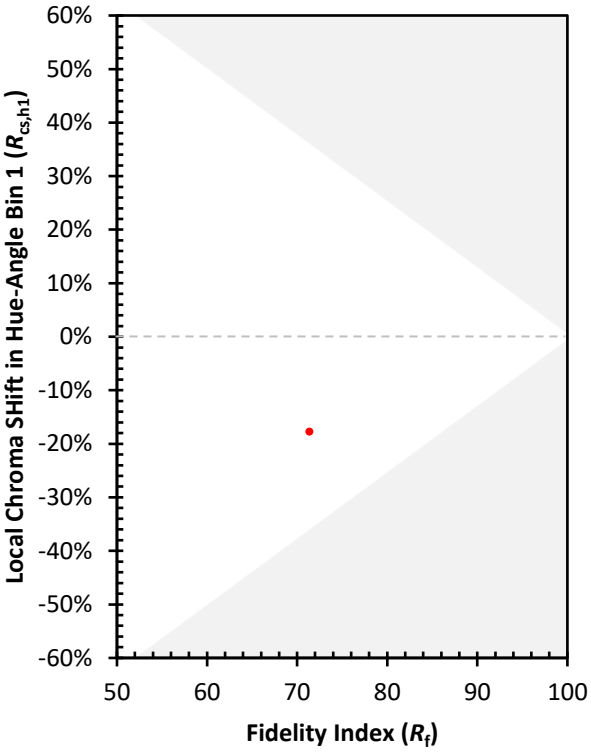


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Measure Comparisons





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