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: P1501929

Luminaire Tested: GSS-SB2A-835-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:	P1501929
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-835-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6258.1 lumens
Efficiency:	N/A
Efficacy:	107.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

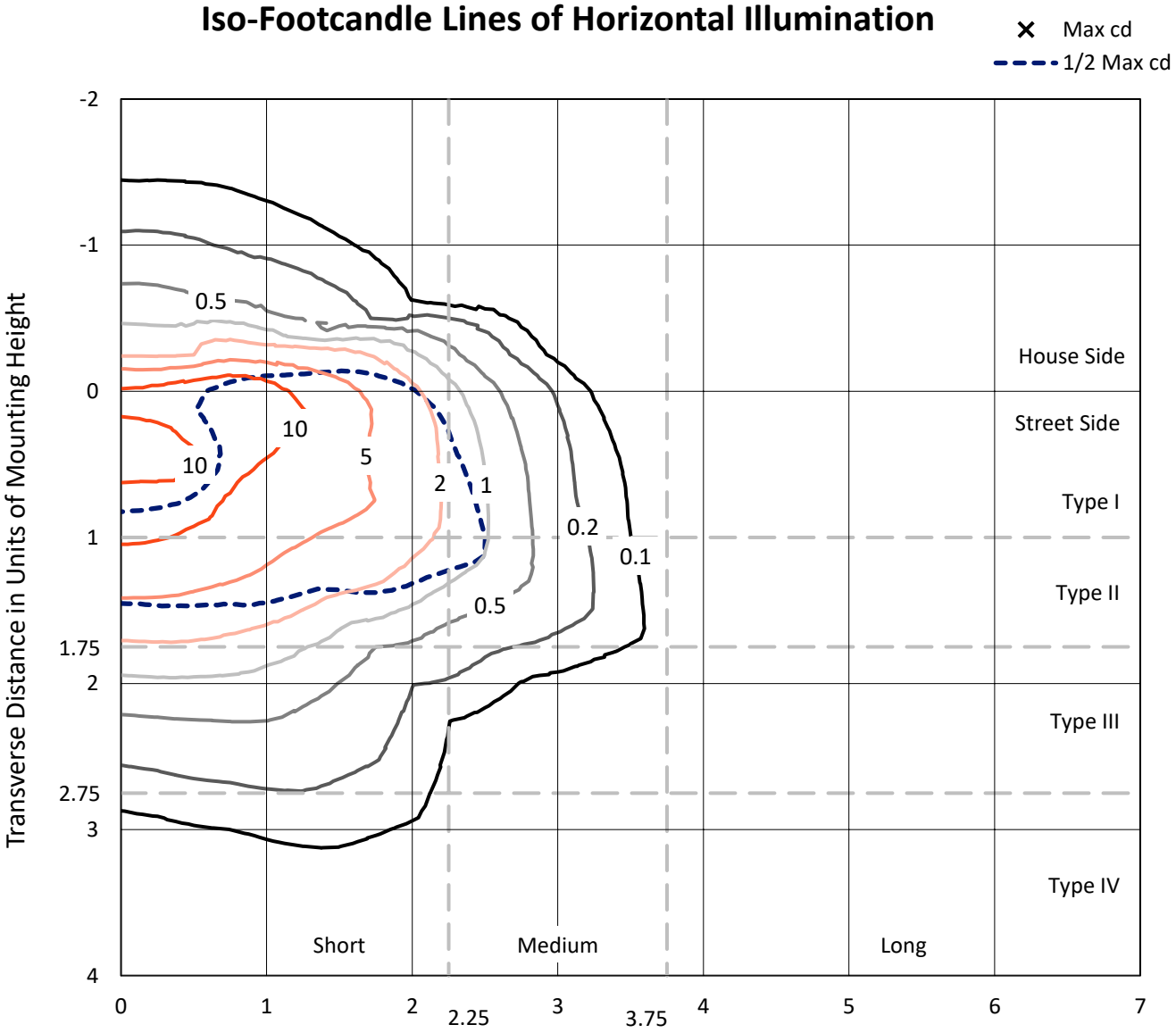
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



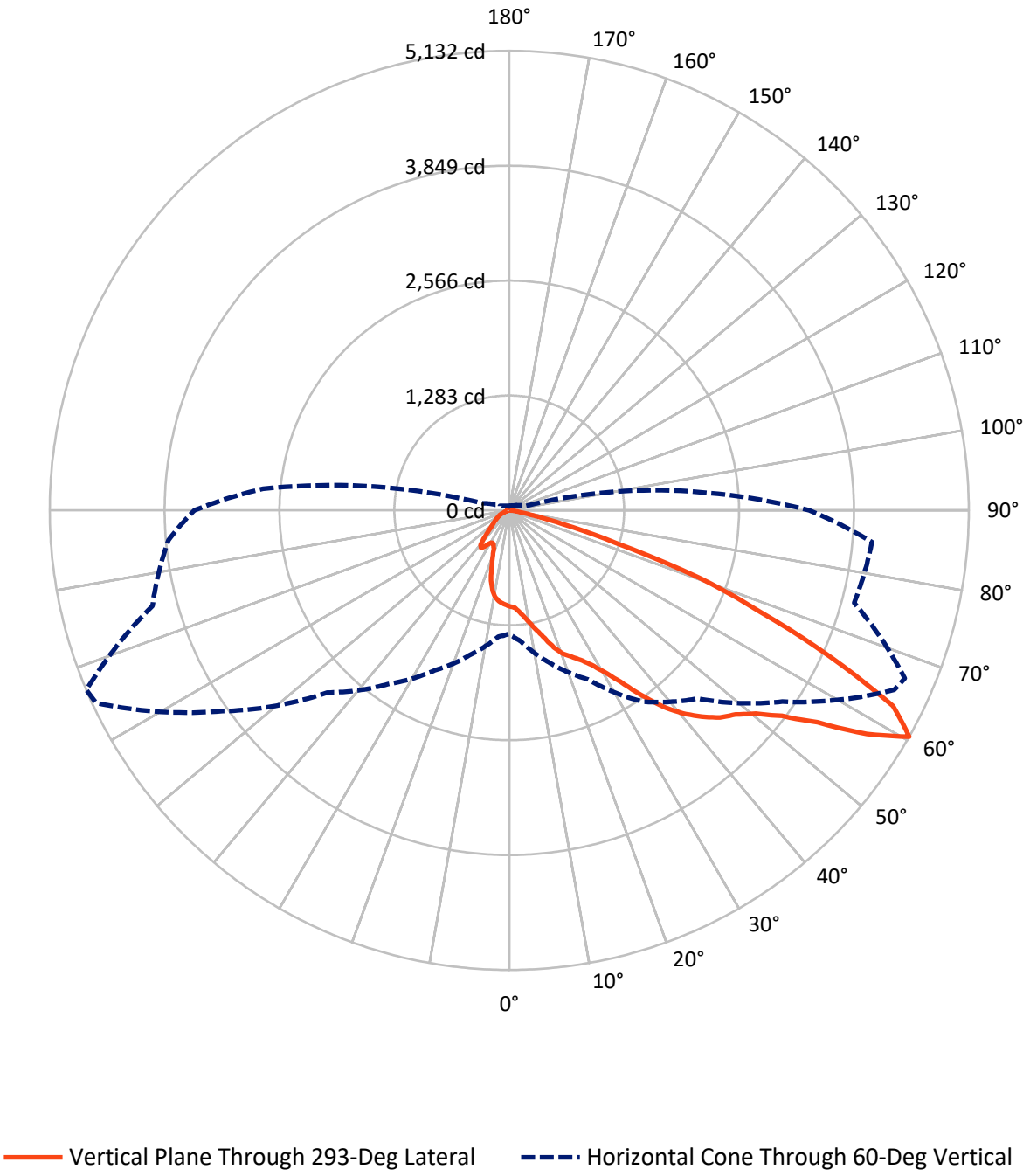
Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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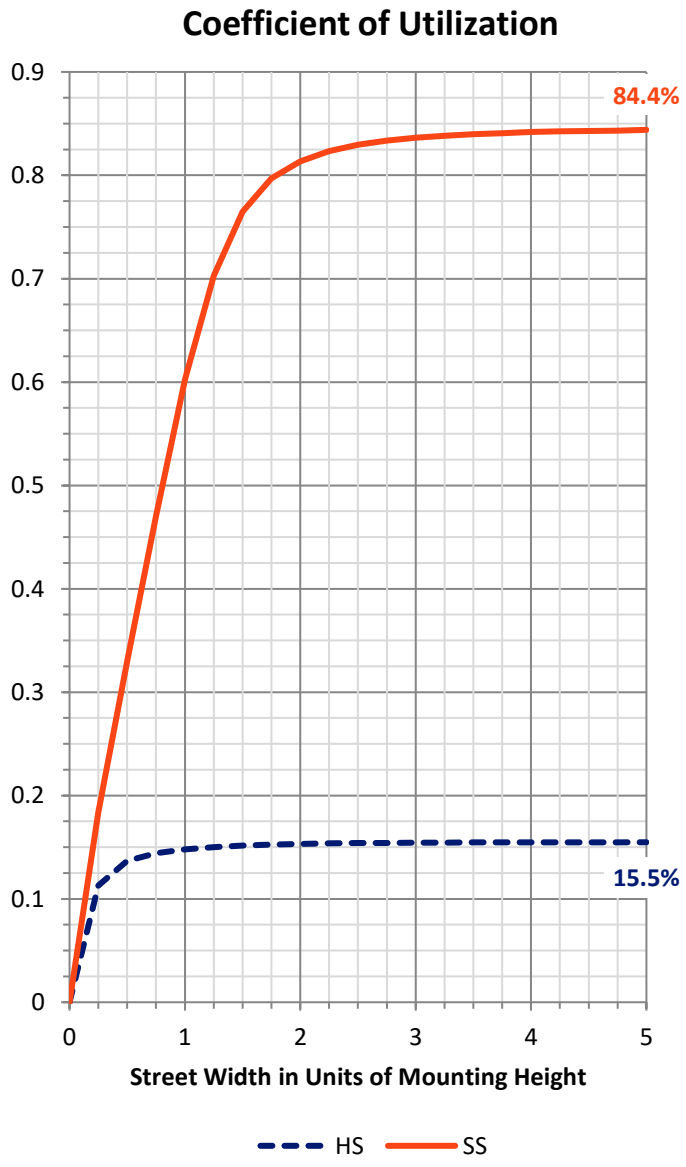
REPORT NUMBER: P1501929
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	976.4	0.0	976.4
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	5281.7	0.0	5281.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	6258.1	0.0	6258.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.6
10°-20°	244.6	3.9
20°-30°	456.6	7.3
30°-40°	905.5	14.5
40°-50°	1443.7	23.1
50°-60°	1724.9	27.6
60°-70°	1130.8	18.1
70°-80°	236.9	3.8
80°-90°	17.9	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°	6258.1	100.0
0°-180°	6258.1	100.0



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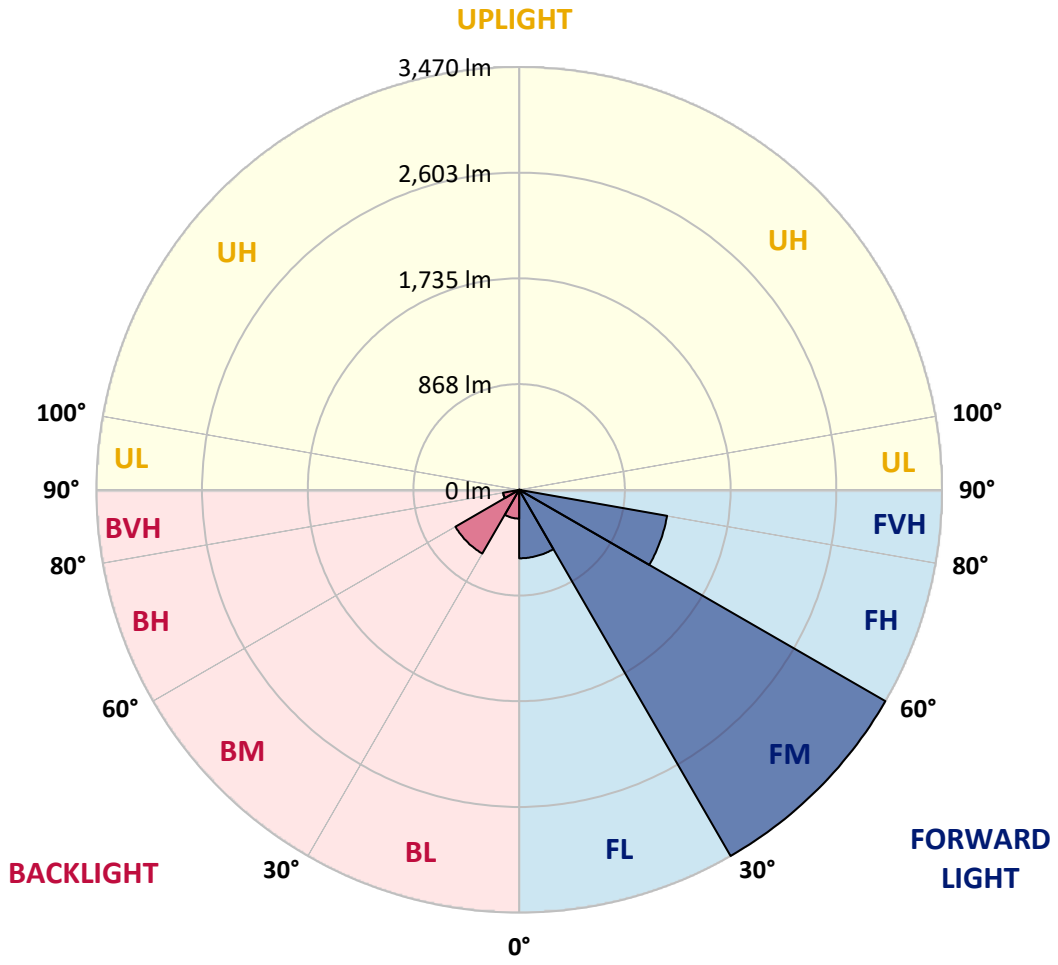
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	562.1	9.0			
FM	(30°-60°)	3470.4	55.5			
FH	(60°-80°)	1232.8	19.7			G1/1800
FVH	(80°-90°)	16.4	0.3			G1/100
BL	(0°-30°)	236.2	3.8	B1/500		
BM	(30°-60°)	603.8	9.6	B1/1000		
BH	(60°-80°)	134.9	2.2	B1/500		G1/500
BVH	(80°-90°)	1.5	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°	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
2.5°	1126.9	1123.4	1118.1	1119.9	1118.1	1111.1	1100.6	1091.9	1098.9	1088.4	1081.3
5°	1160.2	1160.2	1156.7	1156.7	1158.5	1155.0	1147.9	1135.7	1137.4	1128.7	1105.9
7.5°	1160.2	1155.0	1163.7	1172.5	1188.3	1197.0	1200.5	1193.5	1197.0	1179.5	1149.7
10°	1091.9	1088.4	1111.1	1144.4	1190.0	1230.3	1256.6	1258.4	1263.6	1246.1	1211.0
12.5°	946.4	939.4	985.0	1048.0	1140.9	1233.8	1307.4	1335.5	1347.7	1340.7	1291.7
15°	811.4	820.2	851.8	920.1	1044.5	1186.5	1335.5	1428.4	1445.9	1454.6	1396.8
17.5°	797.4	799.2	809.7	843.0	937.6	1109.4	1339.0	1524.7	1549.3	1587.8	1509.0
20°	836.0	832.5	843.0	853.5	899.1	1041.0	1305.7	1617.6	1665.0	1747.3	1661.4
22.5°	907.8	907.8	913.1	920.1	942.9	1035.8	1291.7	1703.5	1784.1	1952.4	1852.5
25°	1028.8	1014.7	1018.3	1009.5	1028.8	1098.9	1323.2	1771.9	1882.3	2180.2	2080.3
27.5°	1216.3	1221.6	1190.0	1142.7	1153.2	1212.8	1400.3	1849.0	1983.9	2416.8	2311.7
30°	1475.7	1466.9	1447.6	1354.7	1312.7	1365.3	1542.3	1975.2	2120.6	2716.5	2620.1
32.5°	1679.0	1703.5	1670.2	1605.4	1540.5	1556.3	1742.1	2178.5	2287.1	2991.7	2939.1
35°	1924.3	1924.3	1931.3	1840.2	1796.4	1792.9	1992.7	2399.3	2507.9	3240.5	3277.3
37.5°	2255.6	2232.8	2194.2	2092.6	2059.3	2103.1	2227.5	2627.1	2744.5	3442.1	3540.2
40°	2534.2	2550.0	2544.8	2397.5	2332.7	2380.0	2490.4	2821.7	2912.8	3571.8	3752.3
42.5°	2807.6	2816.4	2793.6	2723.5	2628.9	2632.4	2723.5	2968.9	3061.8	3696.2	3952.1
45°	3012.7	3010.9	2995.2	2977.6	2921.6	2863.7	2879.5	3131.9	3212.5	3736.5	4060.7
47.5°	3077.5	3091.6	3105.6	3154.7	3193.2	3102.1	3021.5	3219.5	3293.1	3729.5	4101.0
50°	3017.9	3047.7	3116.1	3189.7	3321.1	3314.1	3140.6	3314.1	3386.0	3768.1	4148.4
52.5°	2884.8	2914.5	3005.7	3138.9	3336.9	3435.1	3361.5	3473.6	3557.7	3866.2	4246.5
55°	2574.5	2586.8	2774.3	2949.6	3258.1	3382.5	3598.1	3743.5	3813.6	3985.4	4376.2
57.5°	2096.1	2125.9	2309.9	2595.6	3037.2	3244.0	3733.0	4204.4	4202.7	4099.3	4404.2
60°	*1379.3*	*1466.9*	*1766.6*	*2082.1*	*2609.6*	*2972.4*	*3724.2*	*4744.2*	*4798.6*	*3987.1*	*4066.0*
62.5°	1053.3	1090.1	1260.1	1523.0	1931.3	2464.1	3666.4	4905.5	4947.5	3685.7	3559.5
65°	792.2	837.7	1000.7	1235.6	1363.5	1670.2	3287.8	4264.0	4321.9	3289.6	2767.3
67.5°	485.5	522.3	739.6	1014.7	1032.3	1037.5	2218.8	3230.0	3251.0	2653.4	1863.0
70°	324.2	361.0	511.8	779.9	822.0	597.6	1218.0	2444.9	2443.1	1815.7	1132.2
72.5°	187.5	205.1	324.2	574.8	646.7	380.3	608.1	1554.5	1486.2	853.5	529.3
75°	106.9	119.2	178.8	369.8	453.9	241.9	240.1	832.5	736.1	439.9	289.2
77.5°	64.8	70.1	98.1	241.9	273.4	163.0	133.2	387.3	373.3	257.6	152.5
80°	31.5	36.8	59.6	142.0	175.3	87.6	80.6	152.5	163.0	142.0	80.6
82.5°	10.5	14.0	33.3	54.3	113.9	35.1	33.3	84.1	89.4	84.1	38.6
85°	5.3	7.0	15.8	17.5	43.8	17.5	12.3	36.8	45.6	28.0	15.8
87.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5
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°	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
2.5°	1076.1	1072.6	1065.6	1053.3	1051.6	1042.8	1028.8	1020.0	1013.0	1018.3	1020.0
5°	1095.4	1086.6	1065.6	1032.3	997.2	962.2	928.9	890.3	864.0	860.5	853.5
7.5°	1130.4	1112.9	1067.3	1002.5	913.1	829.0	730.8	636.2	588.9	581.9	566.1
10°	1186.5	1156.7	1081.3	949.9	778.1	602.9	453.9	352.3	294.4	283.9	287.4
12.5°	1253.1	1211.0	1083.1	860.5	592.4	373.3	257.6	219.1	206.8	201.5	201.5
15°	1339.0	1277.6	1081.3	744.8	399.6	240.1	206.8	191.0	185.8	182.3	182.3
17.5°	1447.6	1367.0	1069.1	571.3	269.9	208.6	189.3	177.0	170.0	168.2	168.2
20°	1575.6	1466.9	1041.0	425.9	226.1	194.5	178.8	163.0	157.7	154.2	154.2
22.5°	1738.6	1587.8	986.7	331.2	213.8	185.8	168.2	150.7	145.5	142.0	142.0
25°	1927.8	1742.1	914.8	297.9	212.1	178.8	157.7	140.2	134.9	133.2	131.4
27.5°	2152.2	1906.8	848.3	299.7	215.6	173.5	147.2	131.4	126.2	120.9	122.7
30°	2416.8	2076.8	793.9	320.7	219.1	168.2	140.2	126.2	120.9	113.9	113.9
32.5°	2677.9	2276.6	788.7	359.3	231.3	164.7	133.2	119.2	113.9	108.7	108.7
35°	2946.1	2458.9	818.5	410.1	255.9	159.5	124.4	112.2	106.9	103.4	101.6
37.5°	3202.0	2604.3	846.5	441.7	241.9	136.7	113.9	103.4	98.1	91.1	91.1
40°	3372.0	2683.2	851.8	417.1	199.8	122.7	103.4	92.9	85.9	82.4	80.6
42.5°	3496.4	2734.0	792.2	338.2	173.5	112.2	94.6	84.1	78.9	75.4	75.4
45°	3547.2	2716.5	690.5	257.6	159.5	103.4	85.9	77.1	73.6	70.1	70.1
47.5°	3540.2	2635.9	587.1	206.8	145.5	94.6	80.6	73.6	70.1	66.6	64.8
50°	3528.0	2560.5	482.0	184.0	129.7	89.4	75.4	70.1	64.8	61.3	59.6
52.5°	3608.6	2536.0	399.6	168.2	120.9	85.9	73.6	66.6	61.3	57.8	57.8
55°	3689.2	2546.5	313.7	157.7	112.2	84.1	71.9	64.8	59.6	54.3	54.3
57.5°	3683.9	2500.9	238.4	147.2	105.2	82.4	70.1	63.1	54.3	50.8	50.8
60°	*3349.2*	*2231.0*	*185.8*	*134.9*	*96.4*	*77.1*	*64.8*	*59.6*	*50.8*	*45.6*	*45.6*
62.5°	2832.2	1754.3	152.5	119.2	85.9	70.1	59.6	54.3	45.6	36.8	36.8
65°	2092.6	1265.4	122.7	103.4	78.9	61.3	54.3	47.3	36.8	29.8	28.0
67.5°	1416.1	778.1	98.1	85.9	70.1	52.6	45.6	40.3	33.3	24.5	22.8
70°	839.5	413.6	71.9	59.6	52.6	38.6	38.6	35.1	28.0	21.0	19.3
72.5°	399.6	143.7	52.6	43.8	40.3	28.0	29.8	29.8	22.8	15.8	14.0
75°	203.3	70.1	35.1	31.5	26.3	21.0	24.5	22.8	15.8	10.5	10.5
77.5°	115.7	49.1	24.5	21.0	17.5	14.0	15.8	14.0	8.8	5.3	5.3
80°	64.8	35.1	15.8	14.0	10.5	8.8	8.8	7.0	5.3	1.8	1.8
82.5°	24.5	21.0	10.5	7.0	5.3	5.3	3.5	3.5	1.8	0.0	0.0
85°	10.5	5.3	5.3	3.5	3.5	1.8	1.8	1.8	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	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°	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
2.5°	1006.0	1009.5	1013.0	1027.0	1030.5	1041.0	1049.8	1060.3	1062.1	1076.1	1076.1
5°	867.5	865.8	895.6	939.4	967.4	1006.0	1035.8	1067.3	1084.8	1107.6	1118.1
7.5°	574.8	618.7	685.3	762.4	862.3	955.2	1025.3	1086.6	1128.7	1155.0	1165.5
10°	285.7	310.2	380.3	506.5	676.5	865.8	1014.7	1128.7	1197.0	1226.8	1246.1
12.5°	201.5	206.8	219.1	287.4	450.4	718.6	981.4	1174.2	1268.9	1325.0	1349.5
15°	180.5	184.0	189.3	208.6	278.7	536.3	921.9	1225.1	1381.0	1445.9	1477.4
17.5°	166.5	168.2	173.5	189.3	219.1	364.5	825.5	1279.4	1516.0	1594.9	1654.4
20°	154.2	154.2	159.5	178.8	203.3	280.4	687.0	1340.7	1687.7	1801.7	1861.2
22.5°	140.2	143.7	147.2	168.2	198.0	255.9	557.3	1388.0	1878.8	2017.2	2087.3
25°	129.7	133.2	136.7	157.7	192.8	255.9	482.0	1417.8	2092.6	2257.3	2353.7
27.5°	120.9	124.4	129.7	150.7	187.5	266.4	452.2	1426.6	2325.7	2539.5	2669.2
30°	113.9	117.4	122.7	145.5	191.0	278.7	462.7	1414.3	2562.3	2830.4	2984.6
32.5°	106.9	110.4	115.7	140.2	191.0	294.4	497.7	1389.8	2791.9	3121.4	3310.6
35°	101.6	103.4	105.2	126.2	173.5	292.7	541.5	1365.3	3023.2	3408.8	3629.6
37.5°	91.1	92.9	96.4	108.7	138.5	266.4	550.3	1335.5	3205.5	3650.6	3894.2
40°	80.6	84.1	87.6	99.9	115.7	215.6	511.8	1272.4	3301.9	3836.4	4132.6
42.5°	73.6	75.4	78.9	91.1	106.9	171.8	429.4	1162.0	3387.7	3962.6	4306.1
45°	68.4	70.1	73.6	82.4	99.9	149.0	338.2	1027.0	3394.8	4002.9	4390.2
47.5°	63.1	64.8	66.6	75.4	96.4	133.2	259.4	904.3	3393.0	4055.5	4462.1
50°	59.6	61.3	64.8	71.9	91.1	119.2	213.8	804.4	3466.6	4169.4	4607.5
52.5°	57.8	57.8	63.1	70.1	85.9	108.7	178.8	715.1	3505.2	4281.6	4712.7
55°	54.3	56.1	59.6	66.6	80.6	103.4	152.5	602.9	3522.7	4337.6	4732.0
57.5°	50.8	52.6	57.8	63.1	77.1	98.1	131.4	450.4	3272.1	4045.0	4409.5
60°	*45.6*	*49.1*	*56.1*	*61.3*	*71.9*	*89.4*	*115.7*	*304.9*	*2760.3*	*3515.7*	*3820.6*
62.5°	36.8	43.8	50.8	54.3	64.8	75.4	98.1	203.3	2204.7	2909.3	3256.3
65°	28.0	36.8	42.1	47.3	54.3	63.1	82.4	138.5	1470.4	1957.6	2348.5
67.5°	24.5	31.5	35.1	38.6	45.6	54.3	66.6	96.4	892.1	1176.0	1561.6
70°	19.3	26.3	29.8	28.0	35.1	42.1	47.3	64.8	455.7	637.9	888.6
72.5°	14.0	21.0	22.8	22.8	21.0	29.8	35.1	45.6	198.0	310.2	403.1
75°	10.5	14.0	15.8	14.0	12.3	19.3	24.5	29.8	129.7	185.8	234.8
77.5°	5.3	5.3	8.8	8.8	5.3	10.5	12.3	17.5	73.6	108.7	134.9
80°	1.8	0.0	0.0	1.8	0.0	3.5	5.3	8.8	38.6	57.8	84.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	19.3	17.5	43.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	10.5
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: P1501929
CATALOG NUMBER: GSS-SB2A-835-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1072.6	*1072.6*	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
2.5°	1084.8	*1084.8*	1091.9	1102.4	1107.6	1111.1	1112.9	1116.4	1130.4	1126.9
5°	1130.4	*1133.9*	1139.2	1149.7	1162.0	1158.5	1158.5	1158.5	1167.2	1160.2
7.5°	1190.0	*1200.5*	1202.3	1214.5	1205.8	1188.3	1177.7	1162.0	1160.2	1160.2
10°	1286.4	*1282.9*	1282.9	1267.1	1235.6	1184.7	1139.2	1107.6	1090.1	1091.9
12.5°	1389.8	*1375.8*	1377.5	1319.7	1230.3	1118.1	1025.3	956.9	951.7	946.4
15°	1517.7	*1480.9*	1473.9	1340.7	1151.4	979.7	888.6	834.2	816.7	811.4
17.5°	1700.0	*1607.1*	1573.8	1303.9	1048.0	893.8	825.5	800.9	799.2	797.4
20°	1892.8	*1708.8*	1645.7	1249.6	1013.0	895.6	844.7	837.7	834.2	836.0
22.5°	2117.1	*1773.6*	1693.0	1258.4	1044.5	953.4	913.1	907.8	904.3	907.8
25°	2348.5	*1849.0*	1749.1	1328.5	1139.2	1060.3	1013.0	1002.5	1013.0	1028.8
27.5°	2581.6	*1950.6*	1859.5	1466.9	1291.7	1205.8	1160.2	1198.8	1214.5	1216.3
30°	2788.4	*2092.6*	2008.5	1661.4	1465.2	1379.3	1388.0	1437.1	1456.4	1475.7
32.5°	2977.6	*2281.9*	2217.0	1882.3	1689.5	1638.7	1633.4	1670.2	1691.2	1679.0
35°	3168.7	*2529.0*	2465.9	2122.4	1964.6	1922.6	1878.8	1950.6	1943.6	1924.3
37.5°	3349.2	*2777.8*	2720.0	2380.0	2217.0	2143.4	2136.4	2201.2	2259.1	2255.6
40°	3478.9	*2979.4*	2909.3	2635.9	2481.7	2418.6	2455.4	2567.5	2553.5	2534.2
42.5°	3598.1	*3151.1*	3088.1	2860.2	2699.0	2727.0	2760.3	2835.7	2826.9	2807.6
45°	3654.1	*3298.4*	3244.0	3030.2	2951.4	3040.7	3039.0	3067.0	3019.7	3012.7
47.5°	3733.0	*3403.5*	3347.4	3182.7	3252.8	3289.6	3186.2	3156.4	3112.6	3077.5
50°	3878.5	*3566.5*	3510.4	3414.0	3473.6	3359.7	3233.5	3168.7	3079.3	3017.9
52.5°	4048.5	*3813.6*	3764.5	3726.0	3559.5	3324.7	3163.4	3046.0	2937.3	2884.8
55°	4262.3	*4178.2*	4143.1	3931.0	3482.4	3180.9	2991.7	2772.6	2623.6	2574.5
57.5°	4332.4	*4712.7*	4700.4	3964.3	3266.8	2919.8	2578.1	2281.9	2127.6	2096.1
60°	*4125.6*	*5131.6*	*5087.7*	*3908.3*	*2876.0*	*2369.5*	*1969.9*	*1666.7*	*1416.1*	*1379.3*
62.5°	3860.9	*4810.8*	4795.1	3626.1	2190.7	1698.3	1472.2	1188.3	1081.3	1053.3
65°	3307.1	*3936.3*	3943.3	2909.3	1386.3	1219.8	1209.3	944.6	813.2	792.2
67.5°	2546.5	*3019.7*	2970.6	1829.7	807.9	976.2	965.7	690.5	499.5	485.5
70°	1487.9	*2248.6*	2169.7	951.7	534.5	815.0	743.1	485.5	340.0	324.2
72.5°	657.2	*1237.3*	1328.5	418.9	376.8	648.5	536.3	297.9	191.0	187.5
75°	364.5	*613.4*	641.4	182.3	264.6	460.9	324.2	166.5	108.7	106.9
77.5°	219.1	*271.7*	264.6	117.4	198.0	294.4	196.3	94.6	68.4	64.8
80°	122.7	*124.4*	105.2	85.9	117.4	164.7	110.4	59.6	31.5	31.5
82.5°	75.4	*68.4*	54.3	26.3	31.5	99.9	40.3	33.3	10.5	10.5
85°	31.5	*21.0*	14.0	5.3	12.3	26.3	14.0	15.8	5.3	5.3
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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

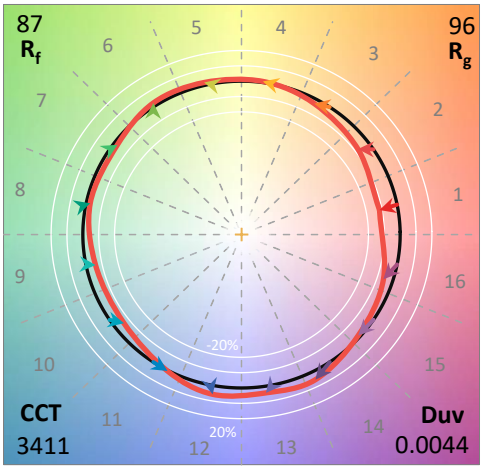
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

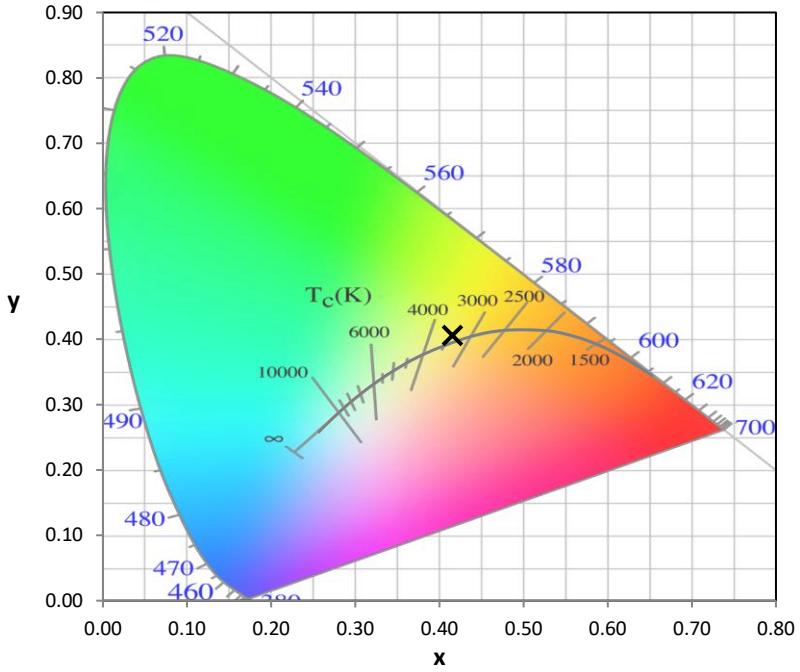
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

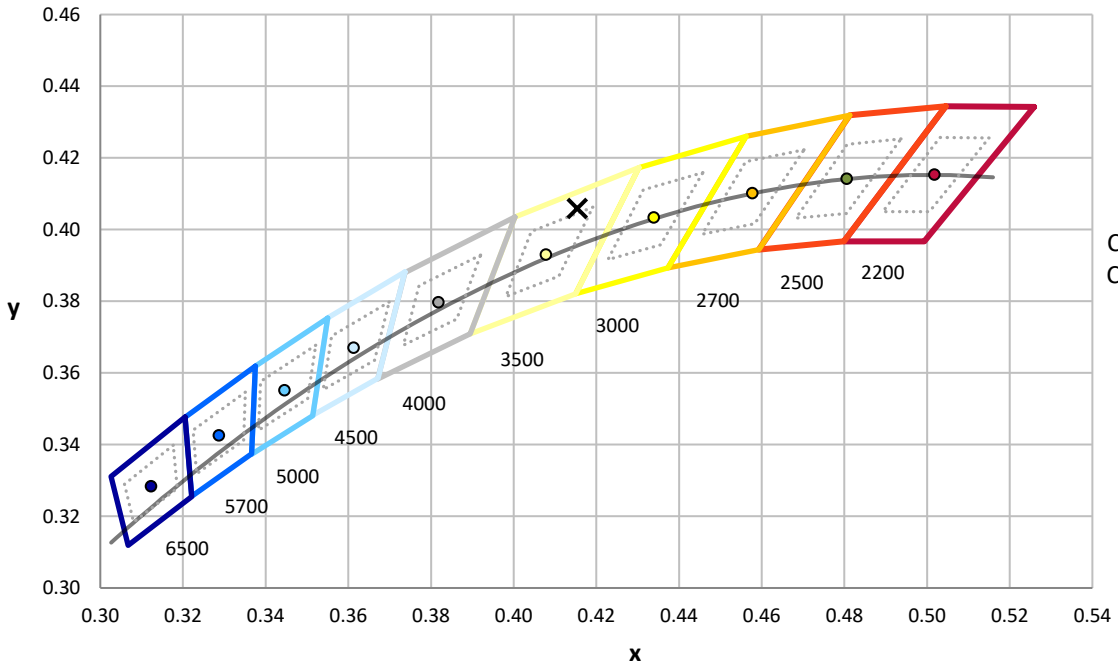
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

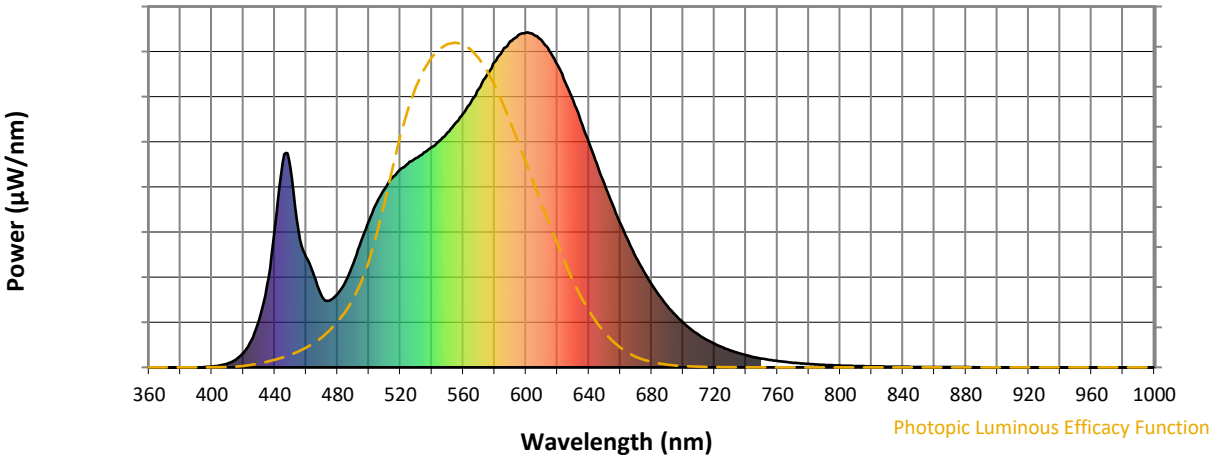


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

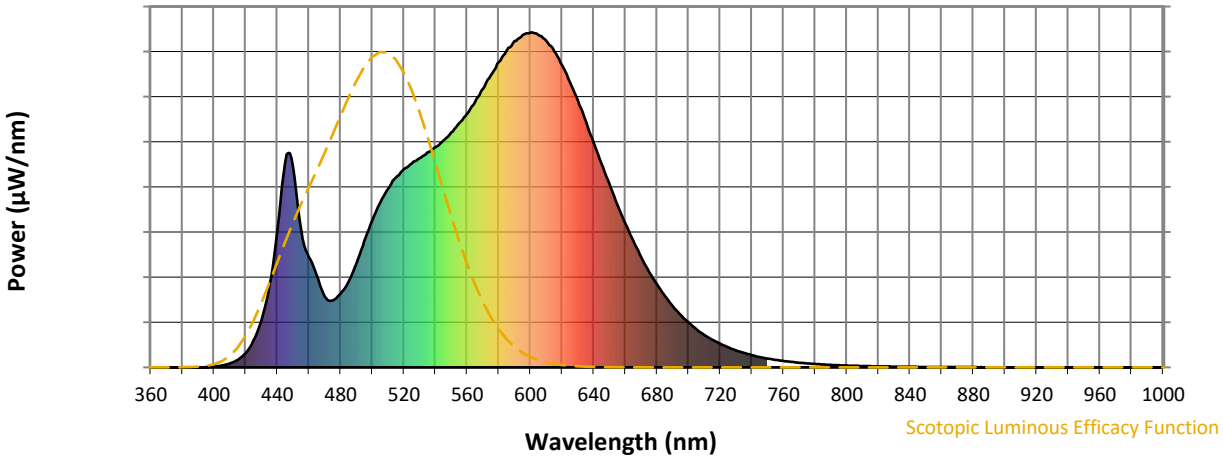


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

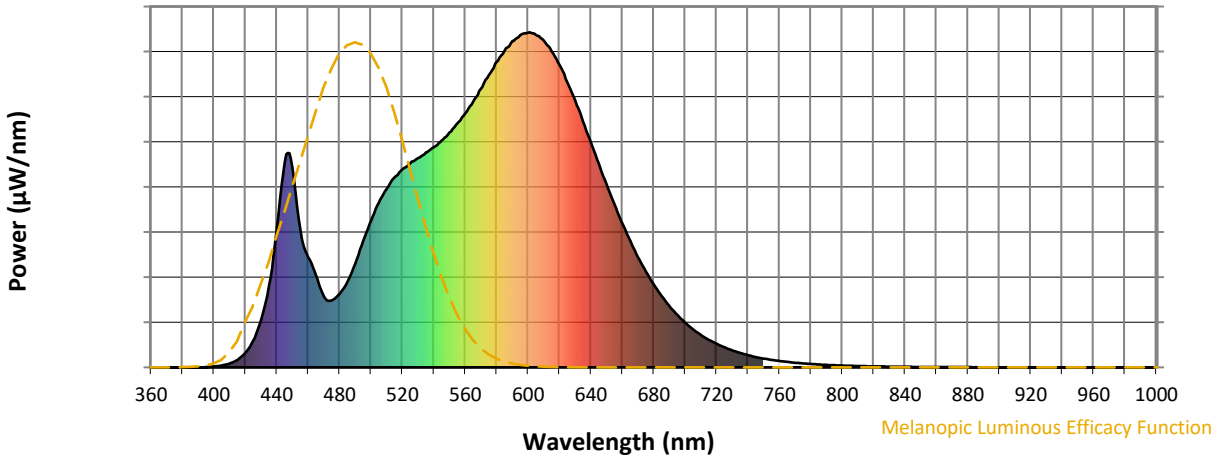


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

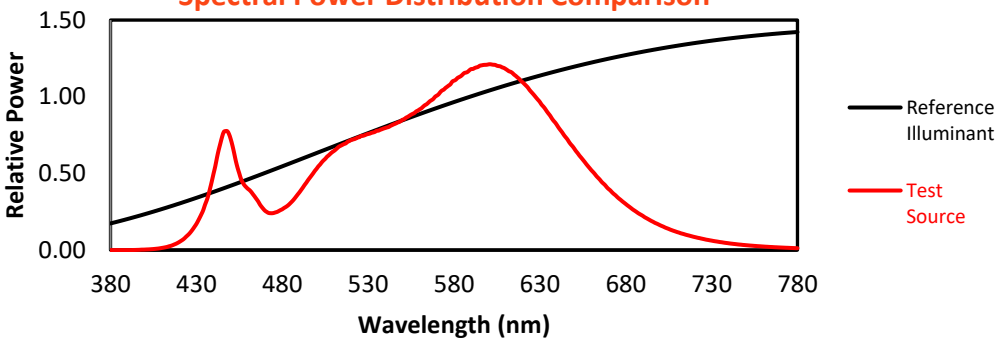
REPORT NUMBER: SP1-2407-184-10

TM-30-18

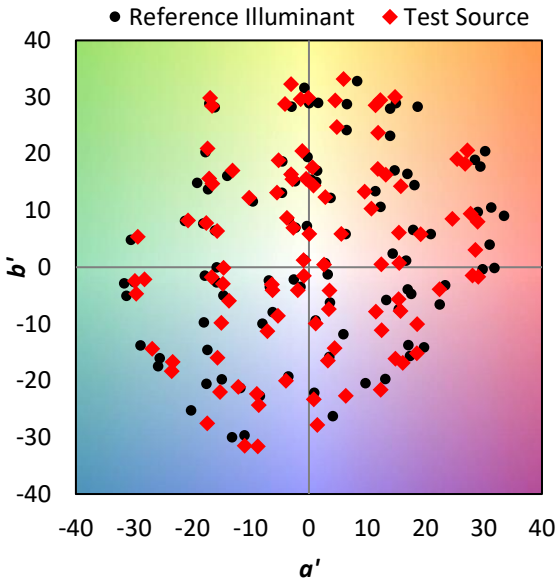
Summary

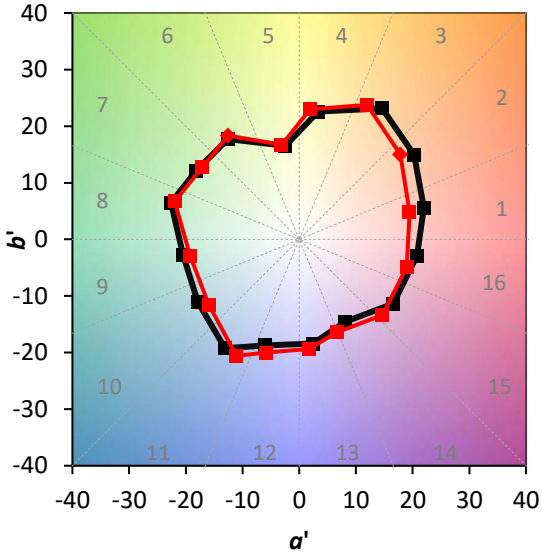
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

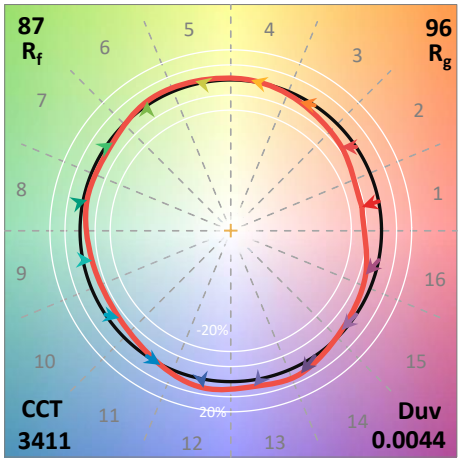
Spectral Power Distribution Comparison

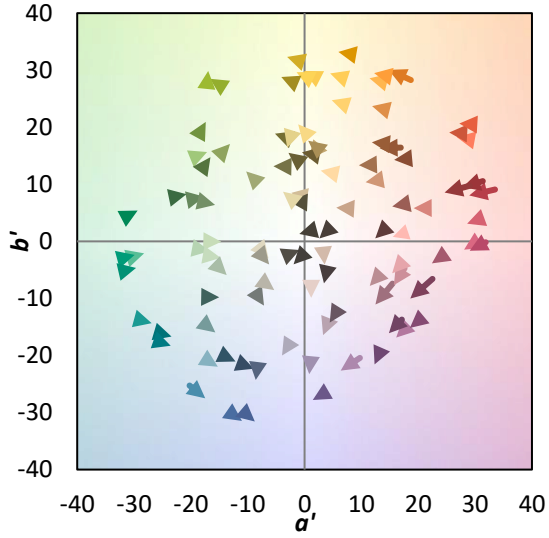


Color Vector Graphics







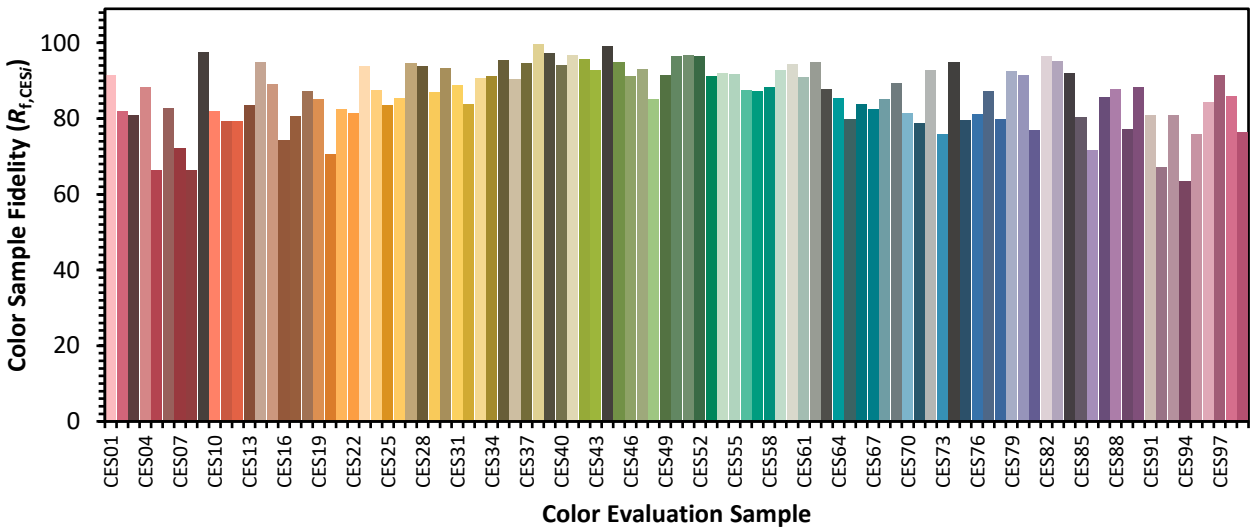


REPORT NUMBER: SP1-2407-184-10

TM-30-18

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

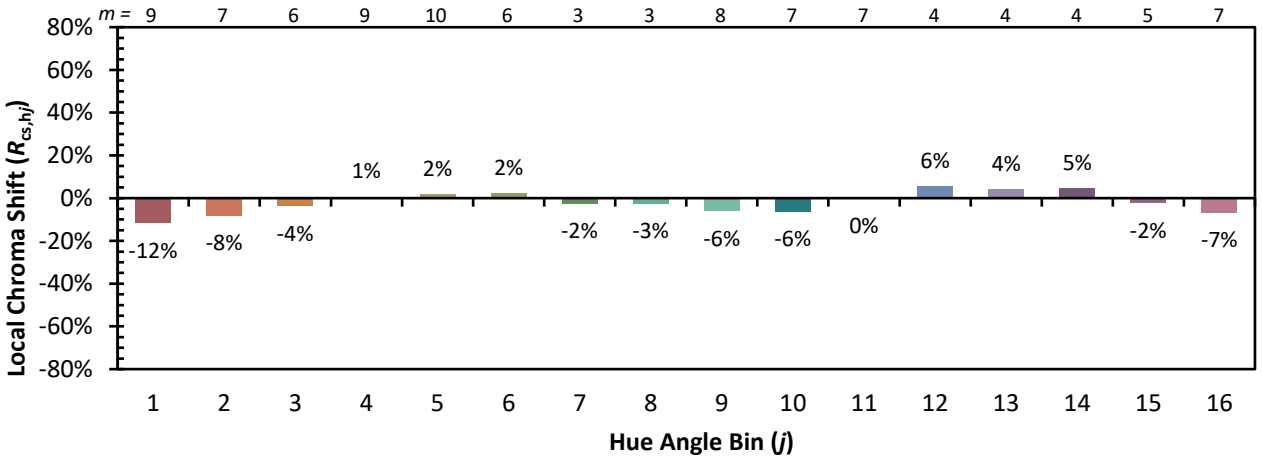
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
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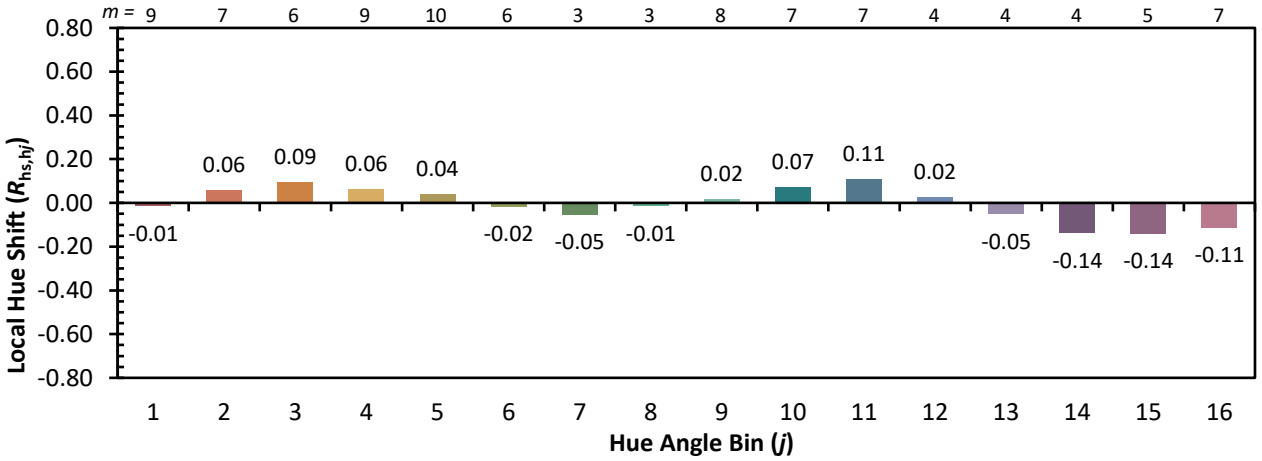


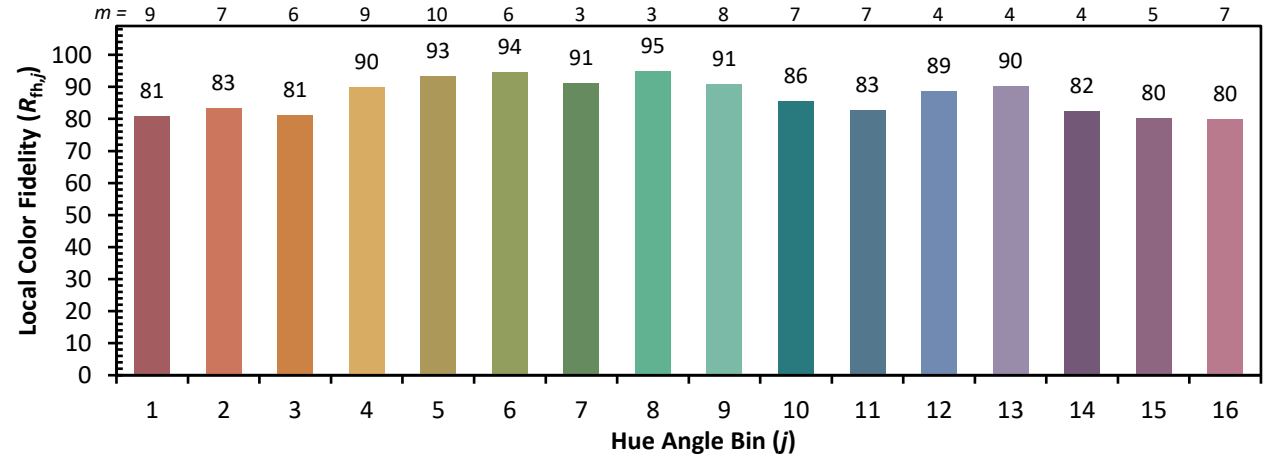
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Color Rendition by Hue-Angle Bin



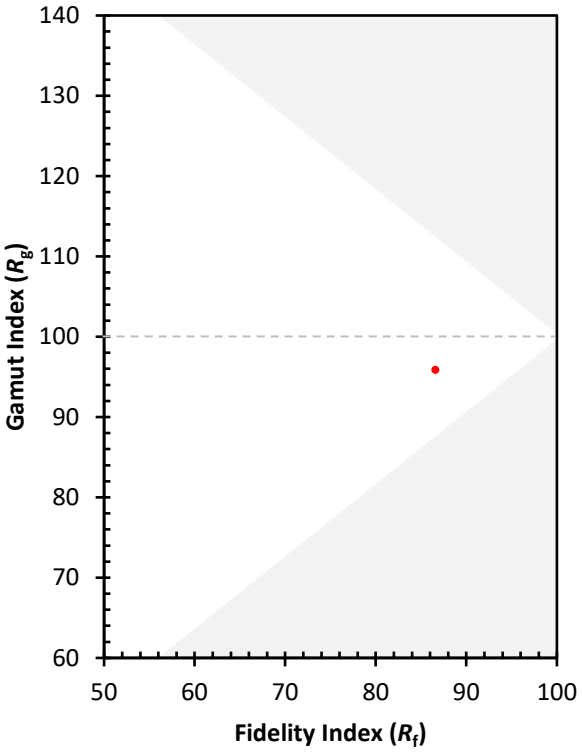


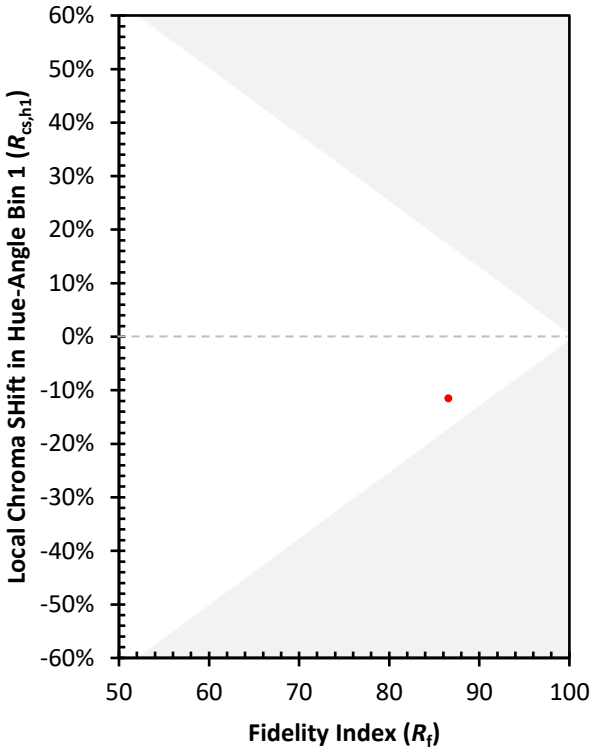


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Measure Comparisons





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