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: P1501905

Luminaire Tested: GSS-SB2A-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501905
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6058.3 lumens
Efficiency:	N/A
Efficacy:	104.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

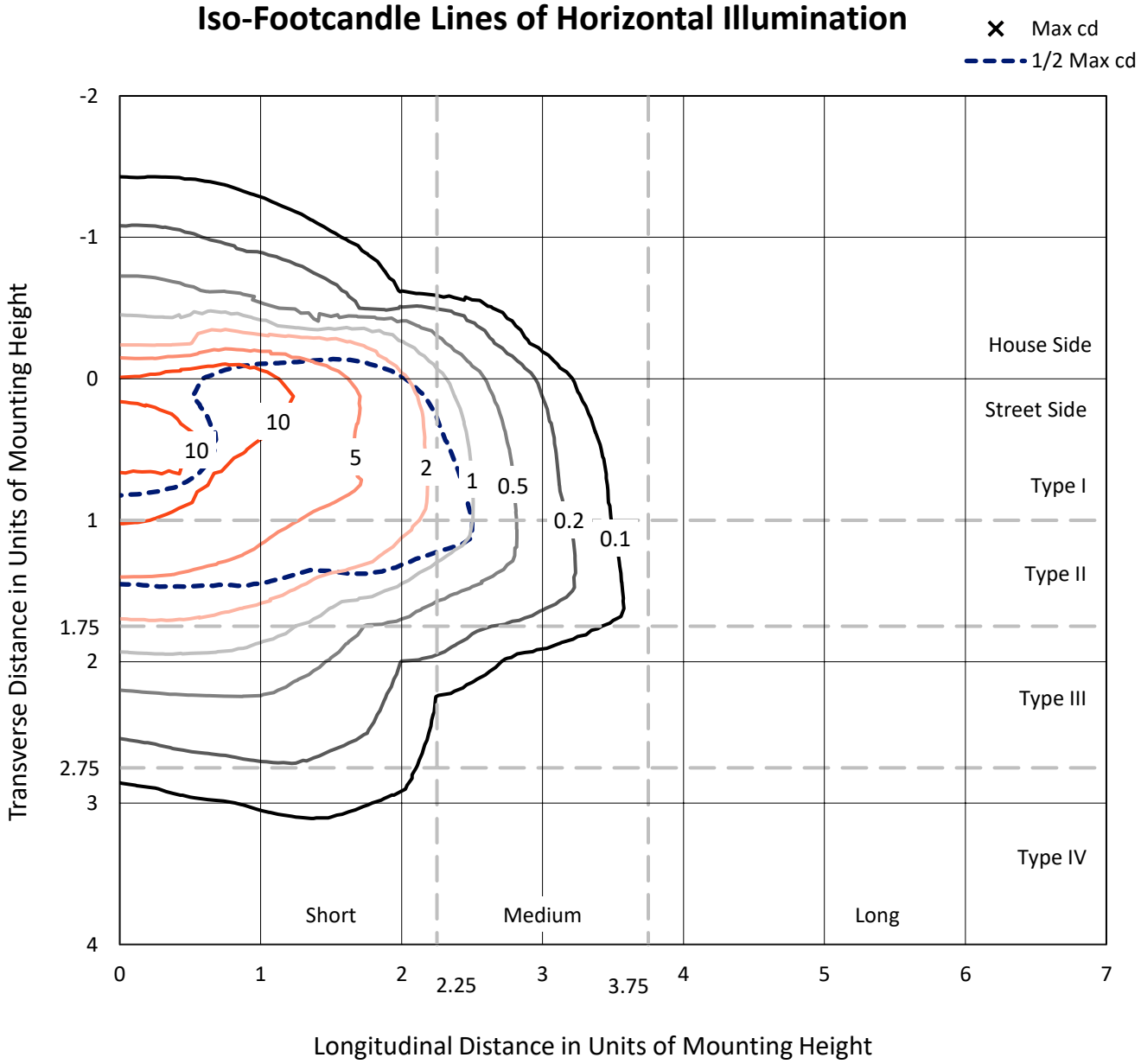
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



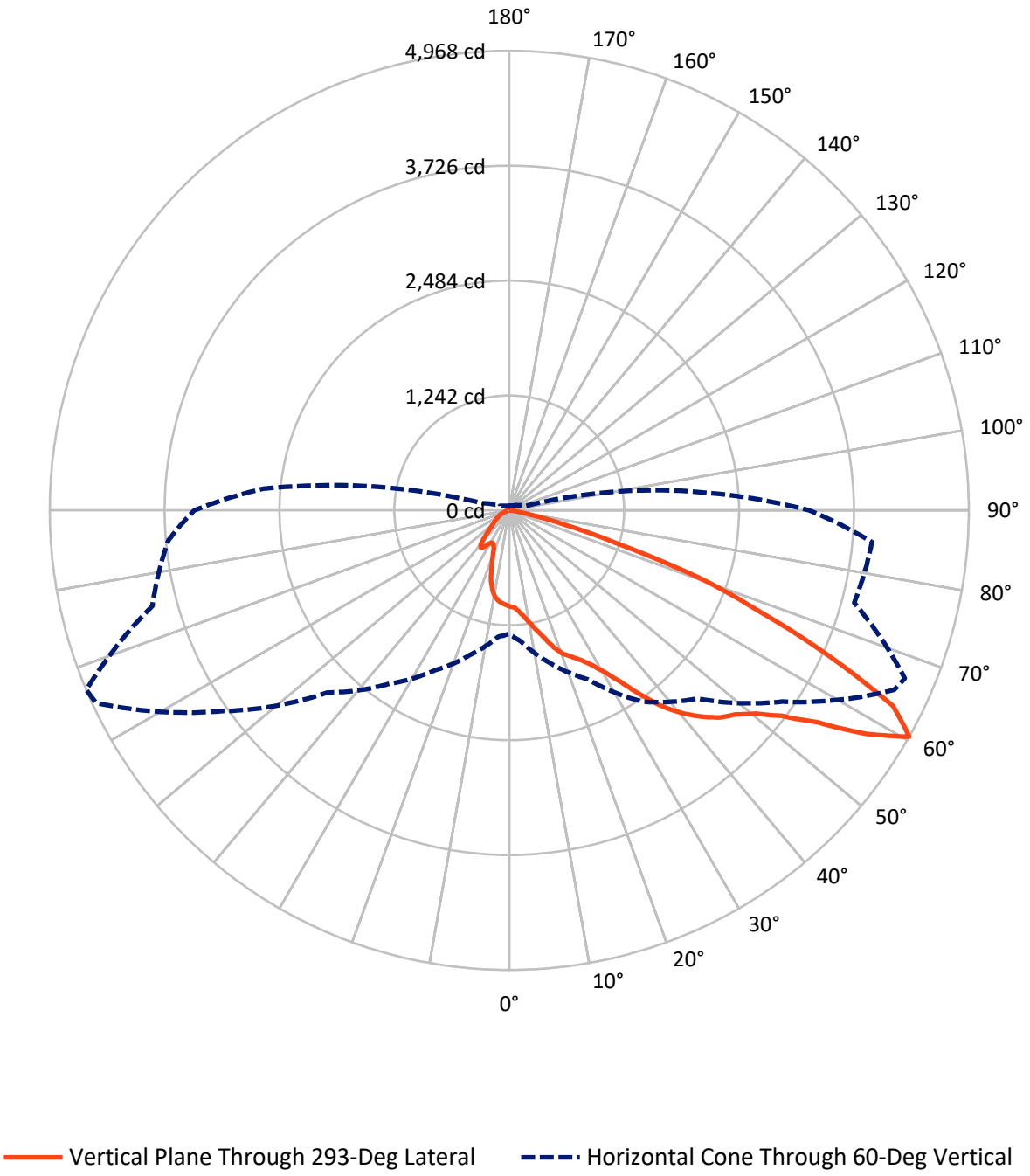
Based on 10 foot mounting height. Maximum calculated value = 17.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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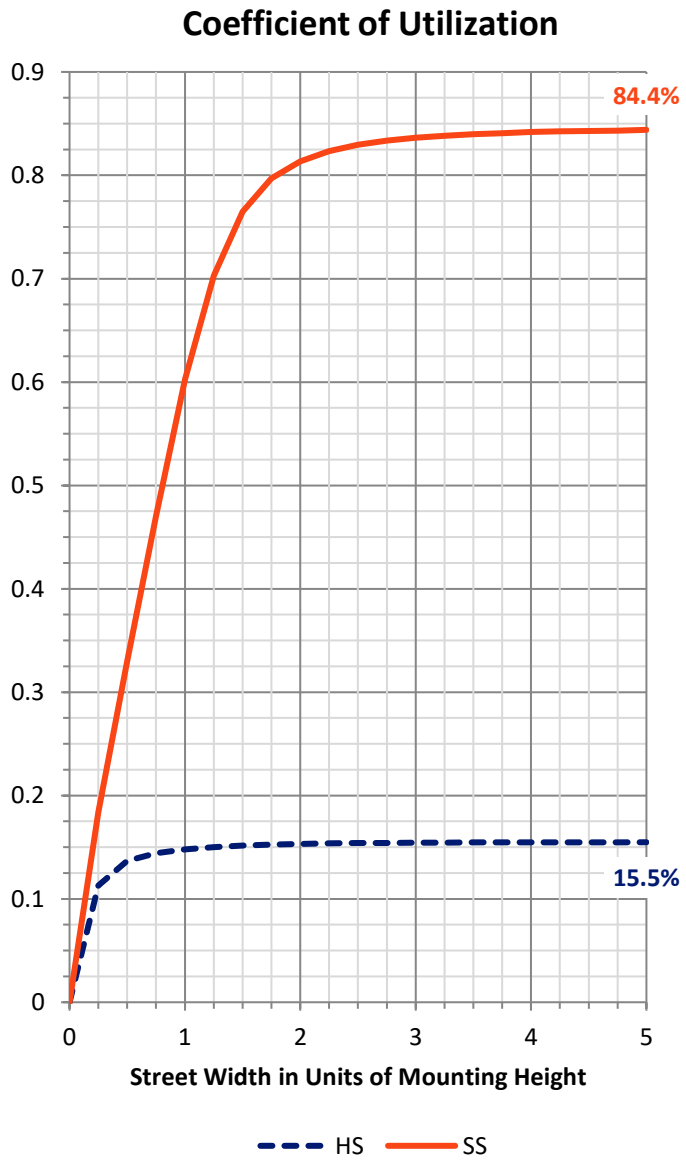
REPORT NUMBER: P1501905
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.3	0.0	945.3
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	5113.1	0.0	5113.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	6058.3	0.0	6058.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	1.6
10°-20°	236.8	3.9
20°-30°	442.0	7.3
30°-40°	876.6	14.5
40°-50°	1397.7	23.1
50°-60°	1669.8	27.6
60°-70°	1094.7	18.1
70°-80°	229.3	3.8
80°-90°	17.3	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°	6058.3	100.0
0°-180°	6058.3	100.0



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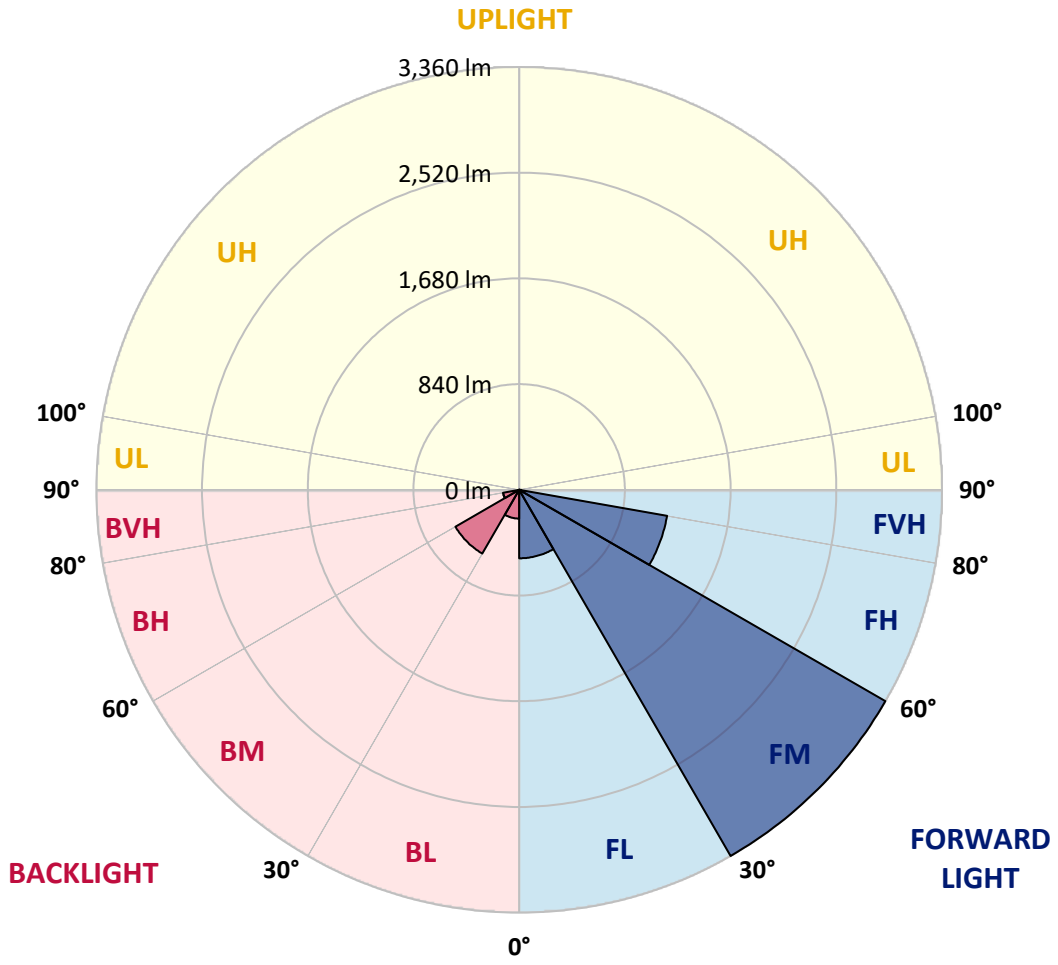
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	544.2	9.0			
FM	(30°-60°)	3359.6	55.5			
FH	(60°-80°)	1193.5	19.7			G1/1800
FVH	(80°-90°)	15.9	0.3			G1/100
BL	(0°-30°)	228.7	3.8	B1/500		
BM	(30°-60°)	584.5	9.6	B1/1000		
BH	(60°-80°)	130.6	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°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1090.9	1087.5	1082.4	1084.1	1082.4	1075.7	1065.5	1057.0	1063.8	1053.6	1046.8
5°	1123.2	1123.2	1119.8	1119.8	1121.5	1118.1	1111.3	1099.4	1101.1	1092.6	1070.6
7.5°	1123.2	1118.1	1126.6	1135.0	1150.3	1158.8	1162.2	1155.4	1158.8	1141.8	1113.0
10°	1057.0	1053.6	1075.7	1107.9	1152.0	1191.0	1216.5	1218.2	1223.3	1206.3	1172.4
12.5°	916.2	909.4	953.5	1014.6	1104.5	1194.4	1265.7	1292.8	1304.7	1297.9	1250.4
15°	785.5	794.0	824.6	890.7	1011.2	1148.6	1292.8	1382.8	1399.7	1408.2	1352.2
17.5°	772.0	773.7	783.8	816.1	907.7	1074.0	1296.2	1476.1	1499.8	1537.1	1460.8
20°	809.3	805.9	816.1	826.3	870.4	1007.8	1264.0	1566.0	1611.8	1691.5	1608.4
22.5°	878.9	878.9	883.9	890.7	912.8	1002.7	1250.4	1649.1	1727.2	1890.0	1793.3
25°	995.9	982.3	985.7	977.3	995.9	1063.8	1281.0	1715.3	1822.2	2110.6	2013.9
27.5°	1177.5	1182.6	1152.0	1106.2	1116.4	1174.1	1355.6	1789.9	1920.6	2339.7	2237.9
30°	1428.6	1420.1	1401.4	1311.5	1270.8	1321.7	1493.0	1912.1	2052.9	2629.8	2536.5
32.5°	1625.4	1649.1	1616.9	1554.1	1491.3	1506.6	1686.4	2108.9	2214.1	2896.1	2845.2
35°	1862.9	1862.9	1869.7	1781.5	1739.0	1735.7	1929.1	2322.7	2427.9	3137.1	3172.7
37.5°	2183.6	2161.5	2124.2	2025.8	1993.5	2036.0	2156.4	2543.2	2656.9	3332.2	3427.2
40°	2453.3	2468.6	2463.5	2321.0	2258.2	2304.0	2410.9	2731.6	2819.8	3457.7	3632.5
42.5°	2718.0	2726.5	2704.4	2636.6	2544.9	2548.3	2636.6	2874.1	2964.0	3578.2	3825.9
45°	2916.5	2914.8	2899.5	2882.6	2828.3	2772.3	2787.6	3031.9	3109.9	3617.2	3931.1
47.5°	2979.3	2992.9	3006.4	3053.9	3091.3	3003.0	2925.0	3116.7	3188.0	3610.4	3970.1
50°	2921.6	2950.4	3016.6	3087.9	3215.1	3208.3	3040.4	3208.3	3277.9	3647.8	4015.9
52.5°	2792.7	2821.5	2909.7	3038.7	3230.4	3325.4	3254.1	3362.7	3444.2	3742.8	4110.9
55°	2492.3	2504.2	2685.8	2855.4	3154.0	3274.5	3483.2	3624.0	3691.9	3858.1	4236.5
57.5°	2029.2	2058.0	2236.2	2512.7	2940.3	3140.5	3613.8	4070.2	4068.5	3968.4	4263.6
60°	*1335.2*	*1420.1*	*1710.2*	*2015.6*	*2526.3*	*2877.5*	*3605.3*	*4592.8*	*4645.4*	*3859.8*	*3936.2*
62.5°	1019.7	1055.3	1219.9	1474.4	1869.7	2385.5	3549.3	4748.9	4789.6	3568.0	3445.9
65°	766.9	811.0	968.8	1196.1	1320.0	1616.9	3182.9	4127.9	4183.9	3184.6	2679.0
67.5°	470.0	505.6	716.0	982.3	999.3	1004.4	2147.9	3126.9	3147.2	2568.7	1803.5
70°	313.9	349.5	495.4	755.0	795.7	578.6	1179.2	2366.8	2365.1	1757.7	1096.0
72.5°	181.5	198.5	313.9	556.5	626.1	368.2	588.7	1504.9	1438.7	826.3	512.4
75°	103.5	115.4	173.1	358.0	439.4	234.1	232.4	805.9	712.6	425.9	279.9
77.5°	62.8	67.9	95.0	234.1	264.7	157.8	128.9	375.0	361.4	249.4	147.6
80°	30.5	35.6	57.7	137.4	169.7	84.8	78.0	147.6	157.8	137.4	78.0
82.5°	10.2	13.6	32.2	52.6	110.3	33.9	32.2	81.4	86.5	81.4	37.3
85°	5.1	6.8	15.3	17.0	42.4	17.0	11.9	35.6	44.1	27.1	15.3
87.5°	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4
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°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1041.7	1038.3	1031.6	1019.7	1018.0	1009.5	995.9	987.4	980.7	985.7	987.4
5°	1060.4	1051.9	1031.6	999.3	965.4	931.4	899.2	861.9	836.4	833.0	826.3
7.5°	1094.3	1077.4	1033.2	970.5	883.9	802.5	707.5	615.9	570.1	563.3	548.0
10°	1148.6	1119.8	1046.8	919.6	753.3	583.6	439.4	341.0	285.0	274.9	278.2
12.5°	1213.1	1172.4	1048.5	833.0	573.5	361.4	249.4	212.1	200.2	195.1	195.1
15°	1296.2	1236.8	1046.8	721.1	386.8	232.4	200.2	184.9	179.8	176.4	176.4
17.5°	1401.4	1323.4	1034.9	553.1	261.3	201.9	183.2	171.4	164.6	162.9	162.9
20°	1525.3	1420.1	1007.8	412.3	218.9	188.3	173.1	157.8	152.7	149.3	149.3
22.5°	1683.1	1537.1	955.2	320.7	207.0	179.8	162.9	145.9	140.8	137.4	137.4
25°	1866.3	1686.4	885.6	288.4	205.3	173.1	152.7	135.7	130.6	128.9	127.2
27.5°	2083.5	1845.9	821.2	290.1	208.7	168.0	142.5	127.2	122.2	117.1	118.8
30°	2339.7	2010.5	768.6	310.5	212.1	162.9	135.7	122.2	117.1	110.3	110.3
32.5°	2592.4	2203.9	763.5	347.8	224.0	159.5	128.9	115.4	110.3	105.2	105.2
35°	2852.0	2380.4	792.3	397.0	247.7	154.4	120.5	108.6	103.5	100.1	98.4
37.5°	3099.7	2521.2	819.5	427.6	234.1	132.3	110.3	100.1	95.0	88.2	88.2
40°	3264.3	2597.5	824.6	403.8	193.4	118.8	100.1	89.9	83.1	79.7	78.0
42.5°	3384.8	2646.7	766.9	327.4	168.0	108.6	91.6	81.4	76.3	73.0	73.0
45°	3434.0	2629.8	668.5	249.4	154.4	100.1	83.1	74.7	71.3	67.9	67.9
47.5°	3427.2	2551.7	568.4	200.2	140.8	91.6	78.0	71.3	67.9	64.5	62.8
50°	3415.3	2478.8	466.6	178.1	125.6	86.5	73.0	67.9	62.8	59.4	57.7
52.5°	3493.4	2455.0	386.8	162.9	117.1	83.1	71.3	64.5	59.4	56.0	56.0
55°	3571.4	2465.2	303.7	152.7	108.6	81.4	69.6	62.8	57.7	52.6	52.6
57.5°	3566.3	2421.1	230.7	142.5	101.8	79.7	67.9	61.1	52.6	49.2	49.2
60°	*3242.3*	*2159.8*	*179.8*	*130.6*	*93.3*	*74.7*	*62.8*	*57.7*	*49.2*	*44.1*	*44.1*
62.5°	2741.8	1698.3	147.6	115.4	83.1	67.9	57.7	52.6	44.1	35.6	35.6
65°	2025.8	1225.0	118.8	100.1	76.3	59.4	52.6	45.8	35.6	28.8	27.1
67.5°	1370.9	753.3	95.0	83.1	67.9	50.9	44.1	39.0	32.2	23.8	22.1
70°	812.7	400.4	69.6	57.7	50.9	37.3	37.3	33.9	27.1	20.4	18.7
72.5°	386.8	139.1	50.9	42.4	39.0	27.1	28.8	28.8	22.1	15.3	13.6
75°	196.8	67.9	33.9	30.5	25.4	20.4	23.8	22.1	15.3	10.2	10.2
77.5°	112.0	47.5	23.8	20.4	17.0	13.6	15.3	13.6	8.5	5.1	5.1
80°	62.8	33.9	15.3	13.6	10.2	8.5	8.5	6.8	5.1	1.7	1.7
82.5°	23.8	20.4	10.2	6.8	5.1	5.1	3.4	3.4	1.7	0.0	0.0
85°	10.2	5.1	5.1	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	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°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	973.9	977.3	980.7	994.2	997.6	1007.8	1016.3	1026.5	1028.2	1041.7	1041.7
5°	839.8	838.1	867.0	909.4	936.5	973.9	1002.7	1033.2	1050.2	1072.3	1082.4
7.5°	556.5	598.9	663.4	738.0	834.7	924.7	992.5	1051.9	1092.6	1118.1	1128.3
10°	276.6	300.3	368.2	490.3	654.9	838.1	982.3	1092.6	1158.8	1187.6	1206.3
12.5°	195.1	200.2	212.1	278.2	436.0	695.6	950.1	1136.7	1228.4	1282.7	1306.4
15°	174.8	178.1	183.2	201.9	269.8	519.2	892.4	1185.9	1336.9	1399.7	1430.3
17.5°	161.2	162.9	168.0	183.2	212.1	352.9	799.1	1238.5	1467.6	1543.9	1601.6
20°	149.3	149.3	154.4	173.1	196.8	271.5	665.1	1297.9	1633.9	1744.1	1801.8
22.5°	135.7	139.1	142.5	162.9	191.7	247.7	539.5	1343.7	1818.8	1952.8	2020.7
25°	125.6	128.9	132.3	152.7	186.6	247.7	466.6	1372.6	2025.8	2185.3	2278.6
27.5°	117.1	120.5	125.6	145.9	181.5	257.9	437.7	1381.1	2251.4	2458.4	2584.0
30°	110.3	113.7	118.8	140.8	184.9	269.8	447.9	1369.2	2480.5	2740.1	2889.4
32.5°	103.5	106.9	112.0	135.7	184.9	285.0	481.8	1345.4	2702.7	3021.7	3204.9
35°	98.4	100.1	101.8	122.2	168.0	283.3	524.3	1321.7	2926.7	3299.9	3513.7
37.5°	88.2	89.9	93.3	105.2	134.0	257.9	532.7	1292.8	3103.1	3534.1	3769.9
40°	78.0	81.4	84.8	96.7	112.0	208.7	495.4	1231.8	3196.4	3713.9	4000.7
42.5°	71.3	73.0	76.3	88.2	103.5	166.3	415.7	1124.9	3279.6	3836.1	4168.6
45°	66.2	67.9	71.3	79.7	96.7	144.2	327.4	994.2	3286.4	3875.1	4250.1
47.5°	61.1	62.8	64.5	73.0	93.3	128.9	251.1	875.5	3284.7	3926.0	4319.6
50°	57.7	59.4	62.8	69.6	88.2	115.4	207.0	778.8	3355.9	4036.3	4460.4
52.5°	56.0	56.0	61.1	67.9	83.1	105.2	173.1	692.2	3393.3	4144.9	4562.2
55°	52.6	54.3	57.7	64.5	78.0	100.1	147.6	583.6	3410.2	4199.2	4580.9
57.5°	49.2	50.9	56.0	61.1	74.7	95.0	127.2	436.0	3167.6	3915.8	4268.7
60°	*44.1*	*47.5*	*54.3*	*59.4*	*69.6*	*86.5*	*112.0*	*295.2*	*2672.2*	*3403.4*	*3698.7*
62.5°	35.6	42.4	49.2	52.6	62.8	73.0	95.0	196.8	2134.4	2816.4	3152.3
65°	27.1	35.6	40.7	45.8	52.6	61.1	79.7	134.0	1423.5	1895.1	2273.5
67.5°	23.8	30.5	33.9	37.3	44.1	52.6	64.5	93.3	863.6	1138.4	1511.7
70°	18.7	25.4	28.8	27.1	33.9	40.7	45.8	62.8	441.1	617.6	860.2
72.5°	13.6	20.4	22.1	22.1	20.4	28.8	33.9	44.1	191.7	300.3	390.2
75°	10.2	13.6	15.3	13.6	11.9	18.7	23.8	28.8	125.6	179.8	227.3
77.5°	5.1	5.1	8.5	8.5	5.1	10.2	11.9	17.0	71.3	105.2	130.6
80°	1.7	0.0	0.0	1.7	0.0	3.4	5.1	8.5	37.3	56.0	81.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	18.7	17.0	42.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.2
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: P1501905
CATALOG NUMBER: GSS-SB2A-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1038.3	*1038.3*	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1050.2	*1050.2*	1057.0	1067.2	1072.3	1075.7	1077.4	1080.8	1094.3	1090.9
5°	1094.3	*1097.7*	1102.8	1113.0	1124.9	1121.5	1121.5	1121.5	1130.0	1123.2
7.5°	1152.0	*1162.2*	1163.9	1175.8	1167.3	1150.3	1140.1	1124.9	1123.2	1123.2
10°	1245.3	*1241.9*	1241.9	1226.7	1196.1	1146.9	1102.8	1072.3	1055.3	1057.0
12.5°	1345.4	*1331.9*	1333.6	1277.6	1191.0	1082.4	992.5	926.4	921.3	916.2
15°	1469.3	*1433.7*	1426.9	1297.9	1114.7	948.4	860.2	807.6	790.6	785.5
17.5°	1645.7	*1555.8*	1523.6	1262.3	1014.6	865.3	799.1	775.4	773.7	772.0
20°	1832.4	*1654.2*	1593.1	1209.7	980.7	867.0	817.8	811.0	807.6	809.3
22.5°	2049.5	*1717.0*	1638.9	1218.2	1011.2	923.0	883.9	878.9	875.5	878.9
25°	2273.5	*1789.9*	1693.2	1286.0	1102.8	1026.5	980.7	970.5	980.7	995.9
27.5°	2499.1	*1888.3*	1800.1	1420.1	1250.4	1167.3	1123.2	1160.5	1175.8	1177.5
30°	2699.3	*2025.8*	1944.3	1608.4	1418.4	1335.2	1343.7	1391.2	1409.9	1428.6
32.5°	2882.6	*2209.0*	2146.2	1822.2	1635.6	1586.3	1581.3	1616.9	1637.2	1625.4
35°	3067.5	*2448.2*	2387.2	2054.6	1901.9	1861.2	1818.8	1888.3	1881.6	1862.9
37.5°	3242.3	*2689.2*	2633.2	2304.0	2146.2	2075.0	2068.2	2131.0	2187.0	2183.6
40°	3367.8	*2884.3*	2816.4	2551.7	2402.4	2341.3	2377.0	2485.6	2472.0	2453.3
42.5°	3483.2	*3050.5*	2989.5	2768.9	2612.8	2640.0	2672.2	2745.1	2736.7	2718.0
45°	3537.5	*3193.1*	3140.5	2933.5	2857.1	2943.7	2942.0	2969.1	2923.3	2916.5
47.5°	3613.8	*3294.9*	3240.6	3081.1	3148.9	3184.6	3084.5	3055.6	3013.2	2979.3
50°	3754.6	*3452.6*	3398.3	3305.0	3362.7	3252.4	3130.3	3067.5	2981.0	2921.6
52.5°	3919.2	*3691.9*	3644.4	3607.0	3445.9	3218.5	3062.4	2948.7	2843.5	2792.7
55°	4126.2	*4044.8*	4010.8	3805.5	3371.2	3079.4	2896.1	2684.1	2539.9	2492.3
57.5°	4194.1	*4562.2*	4550.4	3837.8	3162.5	2826.6	2495.7	2209.0	2059.7	2029.2
60°	*3993.9*	*4967.7*	*4925.3*	*3783.5*	*2784.2*	*2293.8*	*1907.0*	*1613.5*	*1370.9*	*1335.2*
62.5°	3737.7	*4657.2*	4642.0	3510.3	2120.8	1644.0	1425.2	1150.3	1046.8	1019.7
65°	3201.5	*3810.6*	3817.4	2816.4	1342.0	1180.9	1170.7	914.5	787.2	766.9
67.5°	2465.2	*2923.3*	2875.8	1771.3	782.1	945.0	934.8	668.5	483.5	470.0
70°	1440.4	*2176.8*	2100.4	921.3	517.5	788.9	719.4	470.0	329.1	313.9
72.5°	636.2	*1197.8*	1286.0	405.5	364.8	627.8	519.2	288.4	184.9	181.5
75°	352.9	*593.8*	621.0	176.4	256.2	446.2	313.9	161.2	105.2	103.5
77.5°	212.1	*263.0*	256.2	113.7	191.7	285.0	190.0	91.6	66.2	62.8
80°	118.8	*120.5*	101.8	83.1	113.7	159.5	106.9	57.7	30.5	30.5
82.5°	73.0	*66.2*	52.6	25.4	30.5	96.7	39.0	32.2	10.2	10.2
85°	30.5	*20.4*	13.6	5.1	11.9	25.4	13.6	15.3	5.1	5.1
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

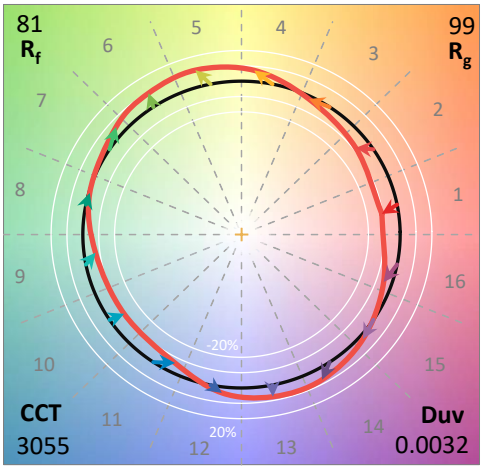
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

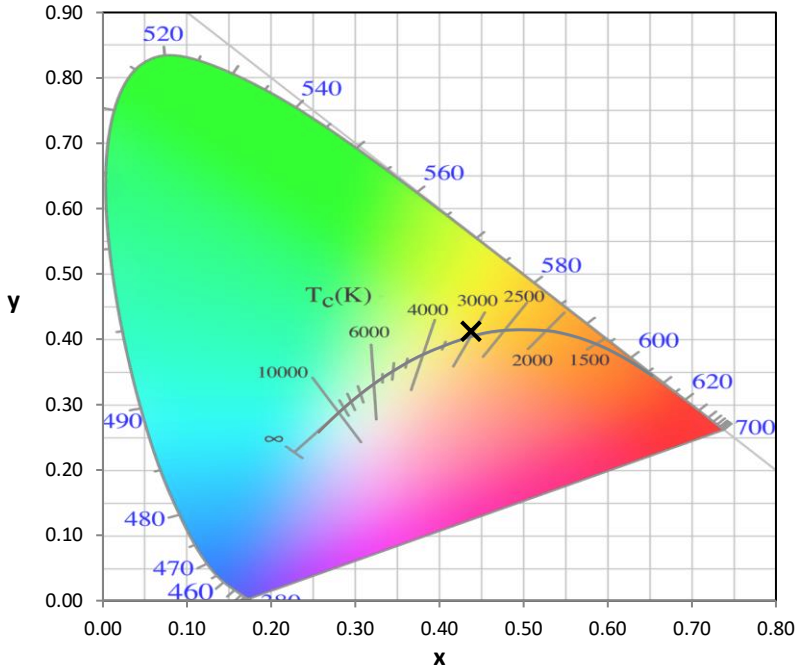
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

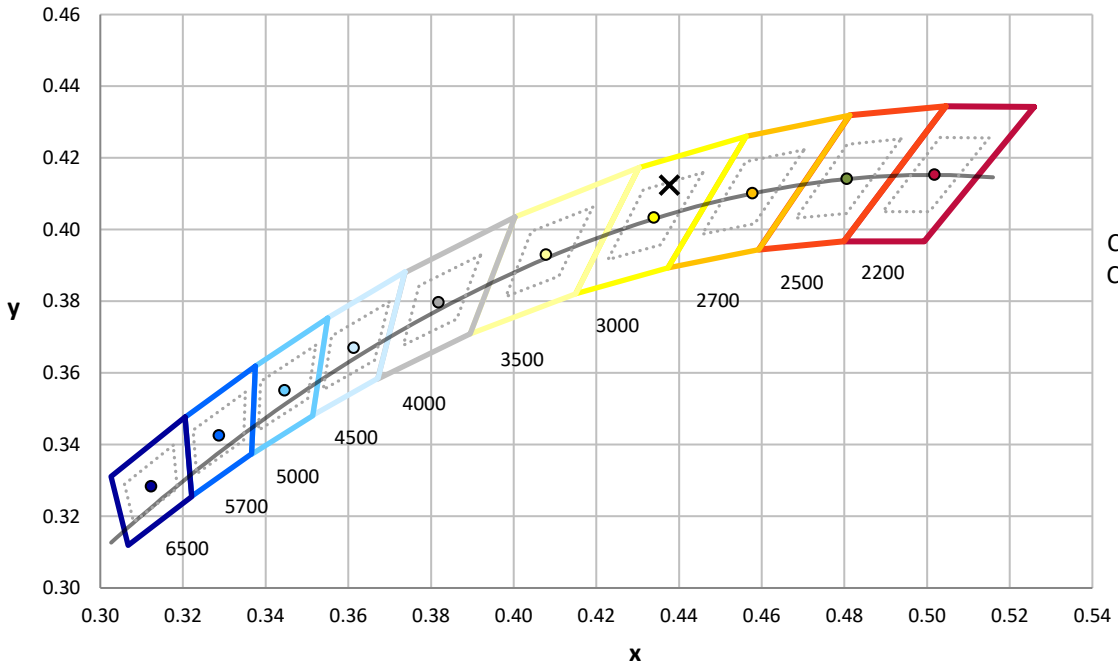
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

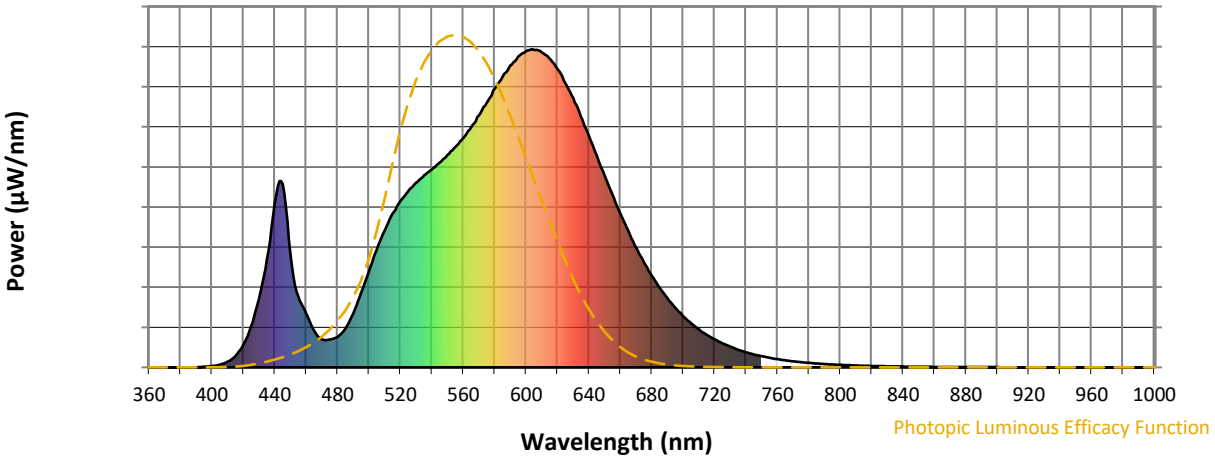


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

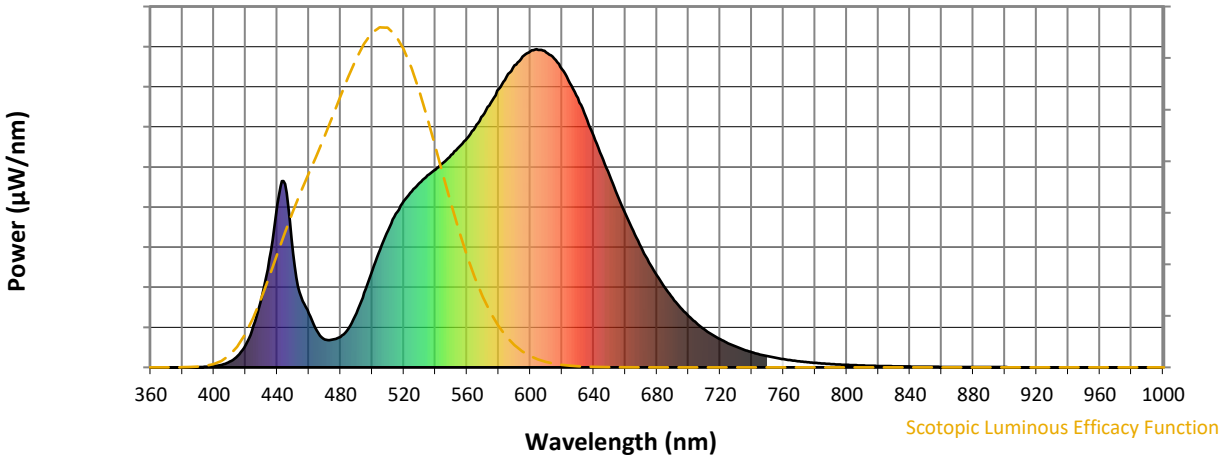


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

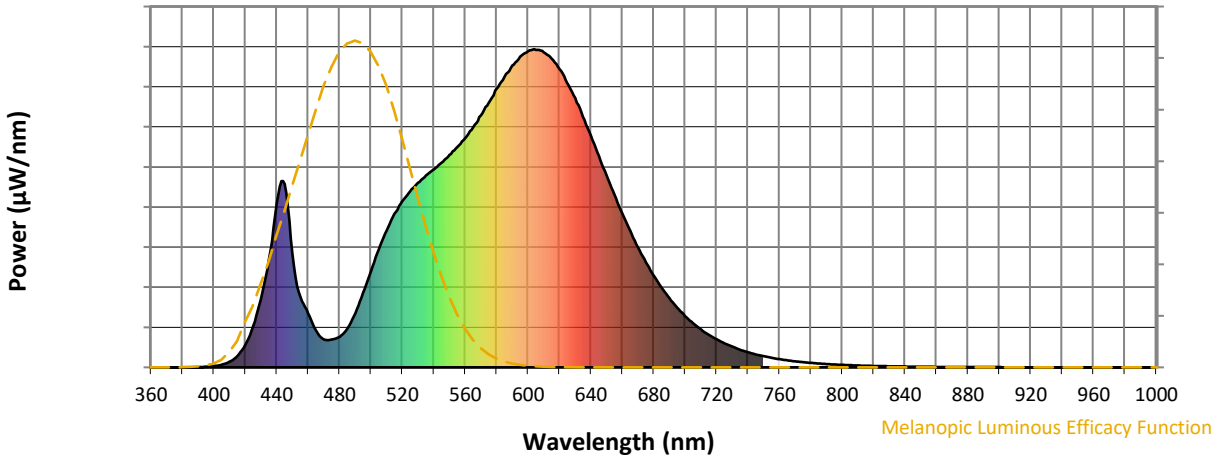


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

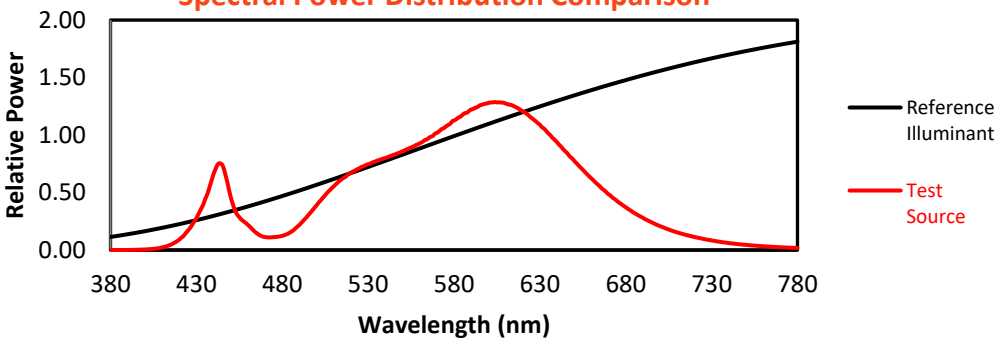
REPORT NUMBER: SP1-2407-184-9

TM-30-18

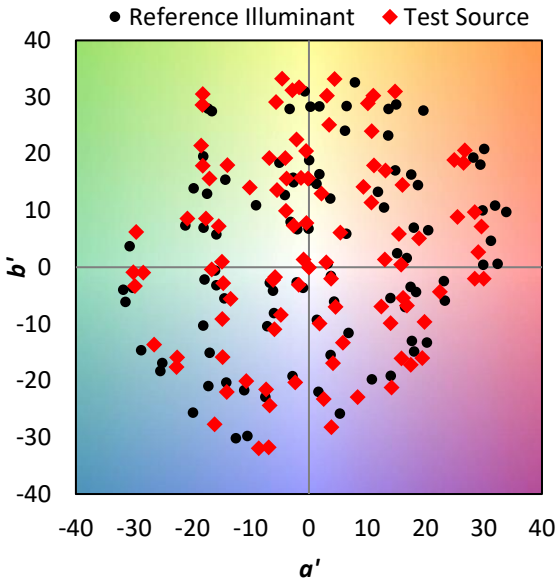
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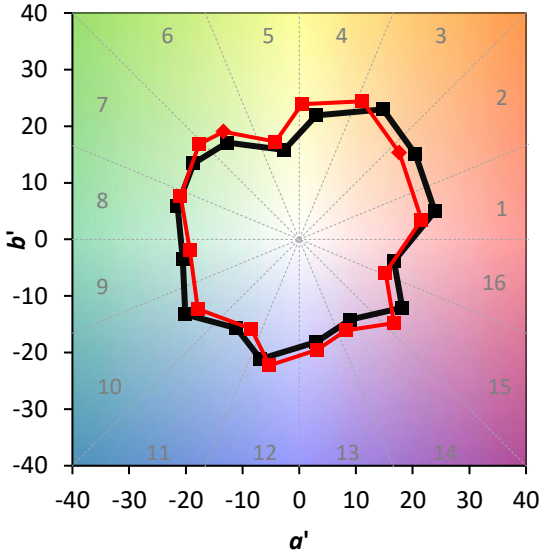
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

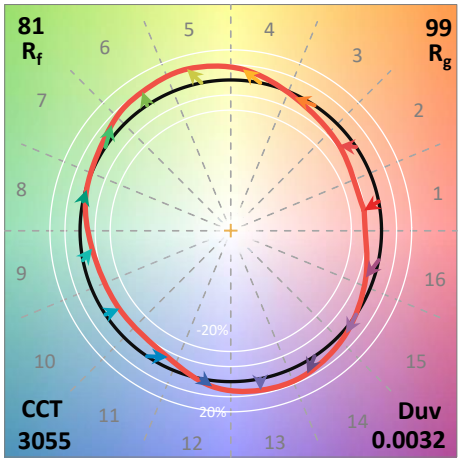
Spectral Power Distribution Comparison

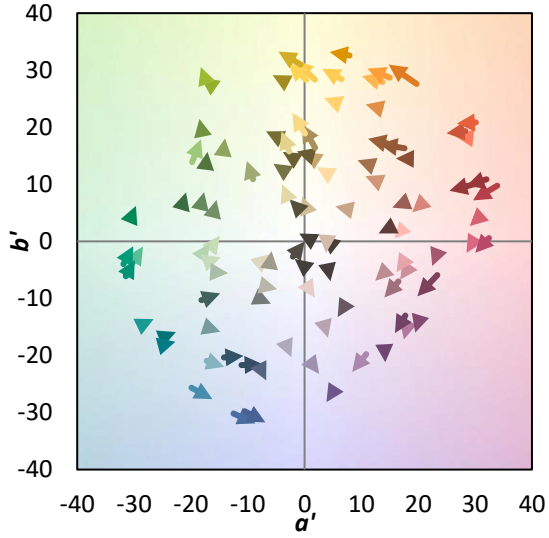


Color Vector Graphics







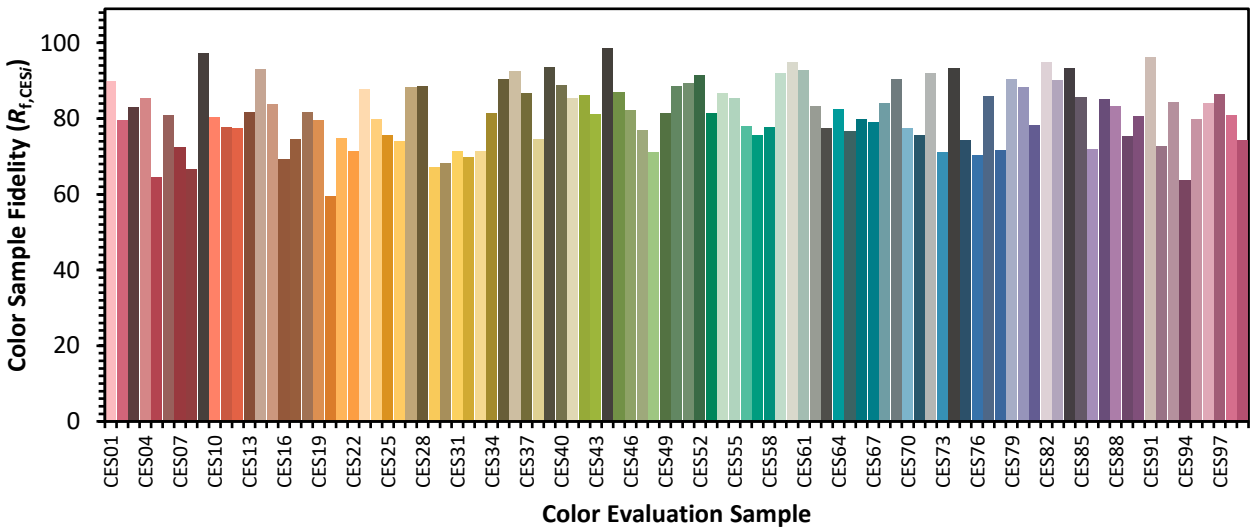


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

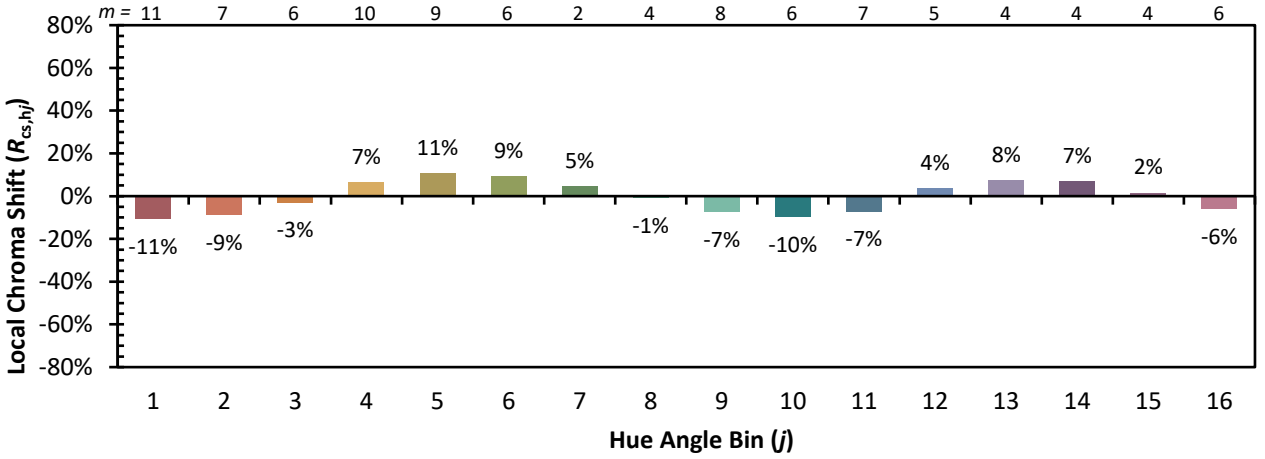
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CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
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CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
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CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
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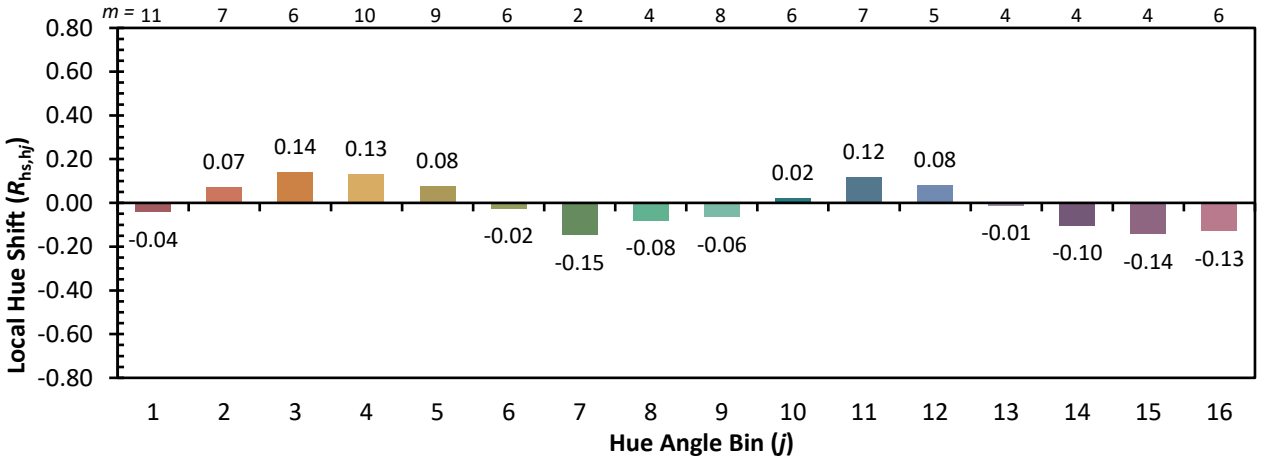


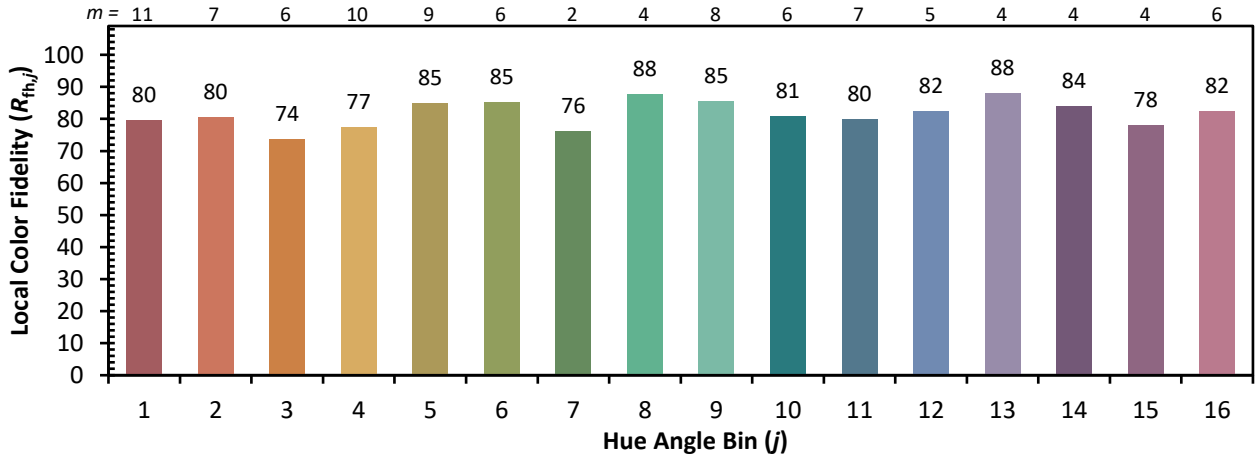
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Color Rendition by Hue-Angle Bin



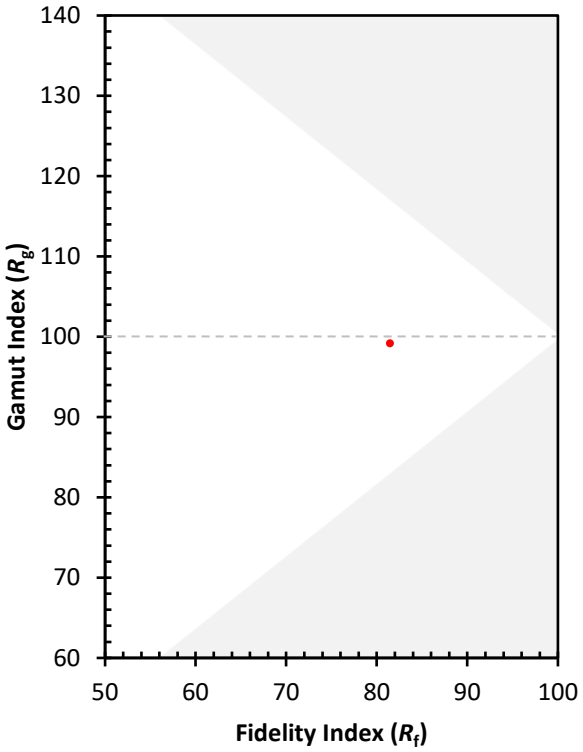


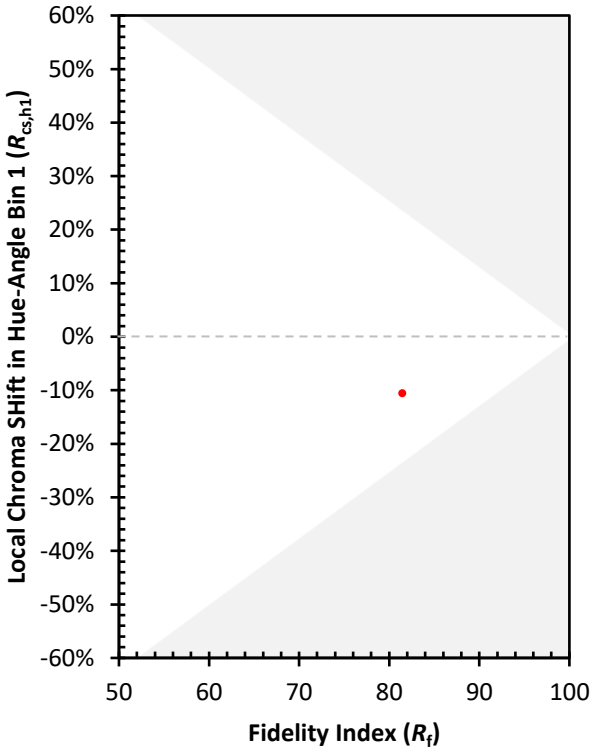


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Measure Comparisons





(END OF REPORT)