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: P1501927

Luminaire Tested: GSS-SB1C-835-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501927
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-835-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5092.5 lumens
Efficiency:	N/A
Efficacy:	97.9 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

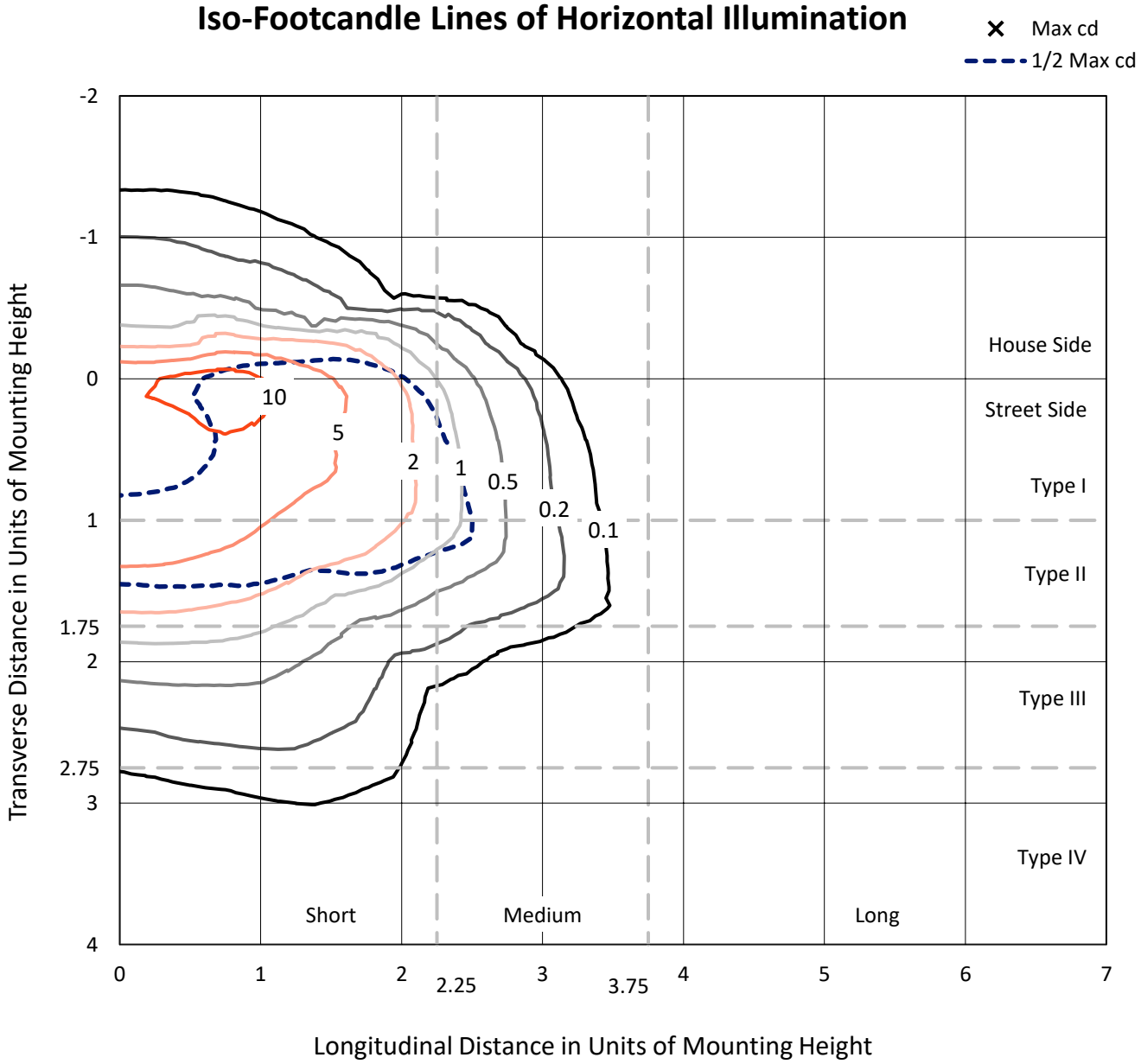
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



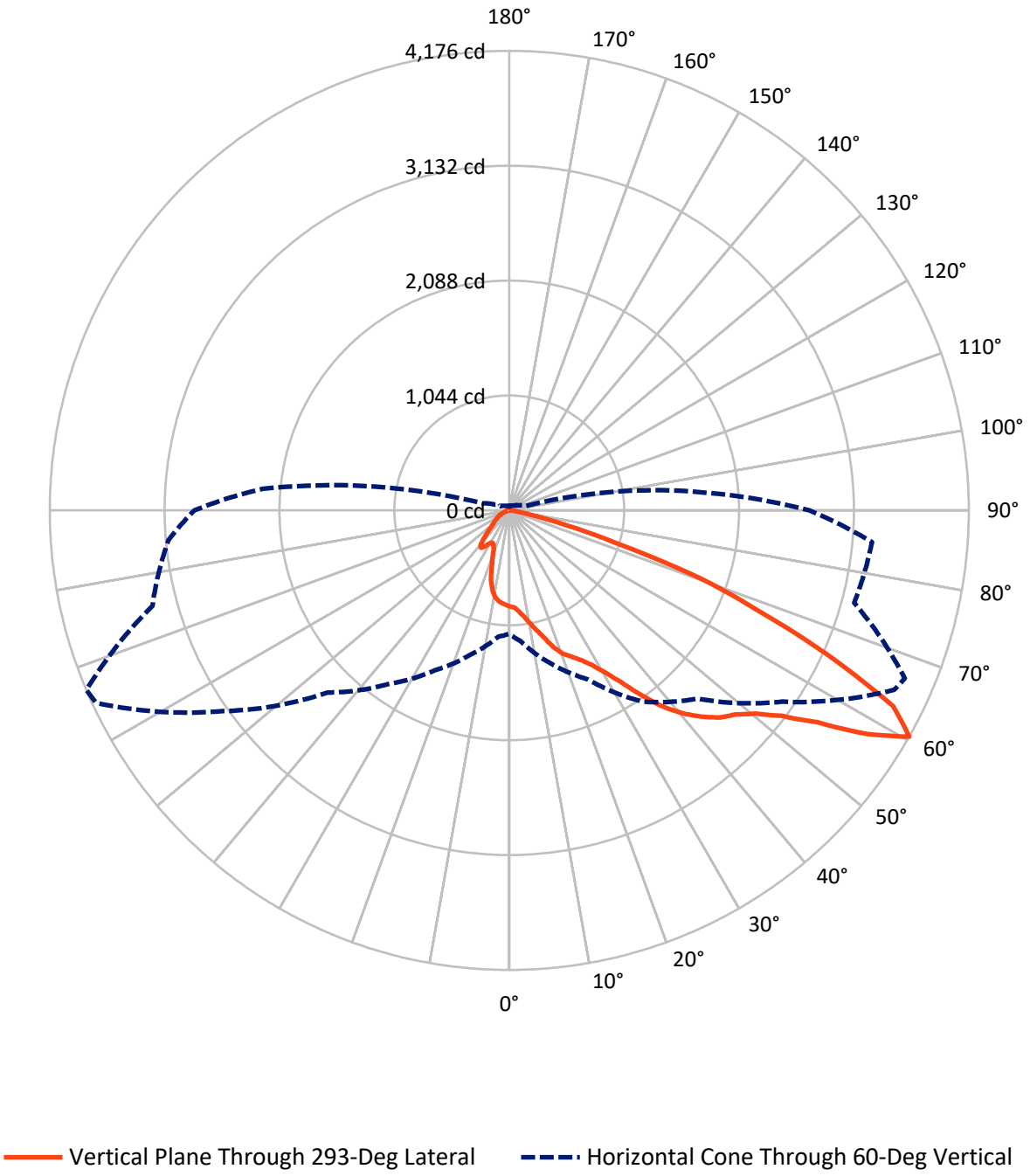
Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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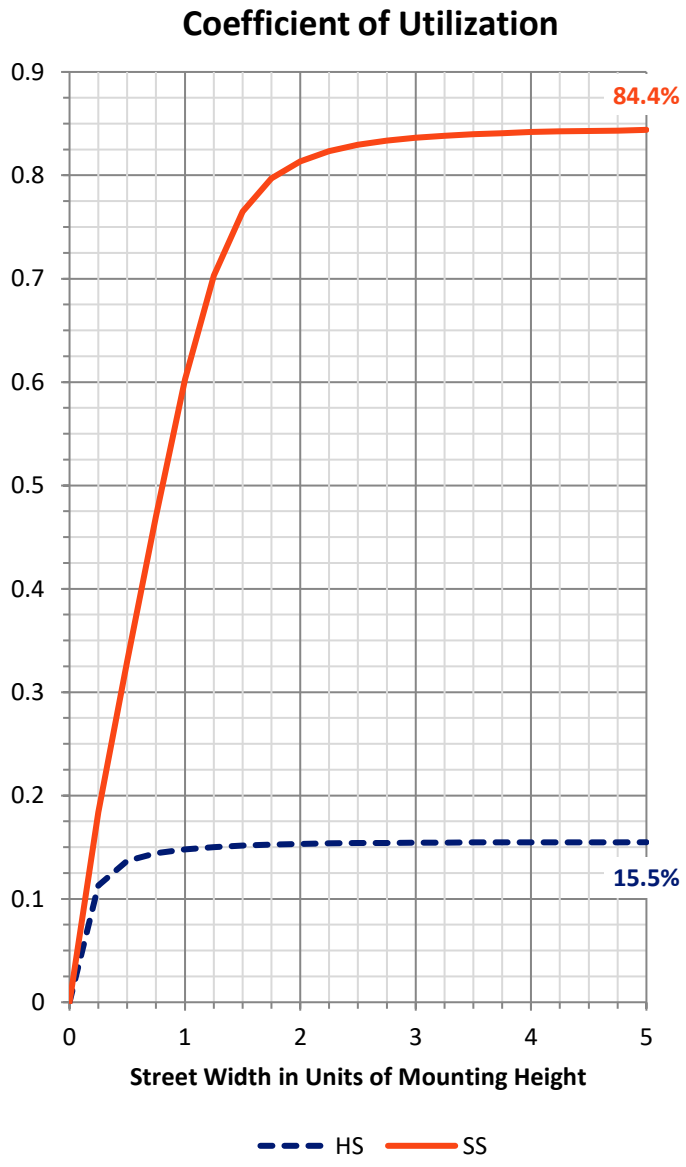
REPORT NUMBER: P1501927
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	794.5	0.0	794.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	4297.9	0.0	4297.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	5092.5	0.0	5092.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	1.6
10°-20°	199.0	3.9
20°-30°	371.6	7.3
30°-40°	736.9	14.5
40°-50°	1174.8	23.1
50°-60°	1403.6	27.6
60°-70°	920.2	18.1
70°-80°	192.8	3.8
80°-90°	14.6	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°	5092.5	100.0
0°-180°	5092.5	100.0



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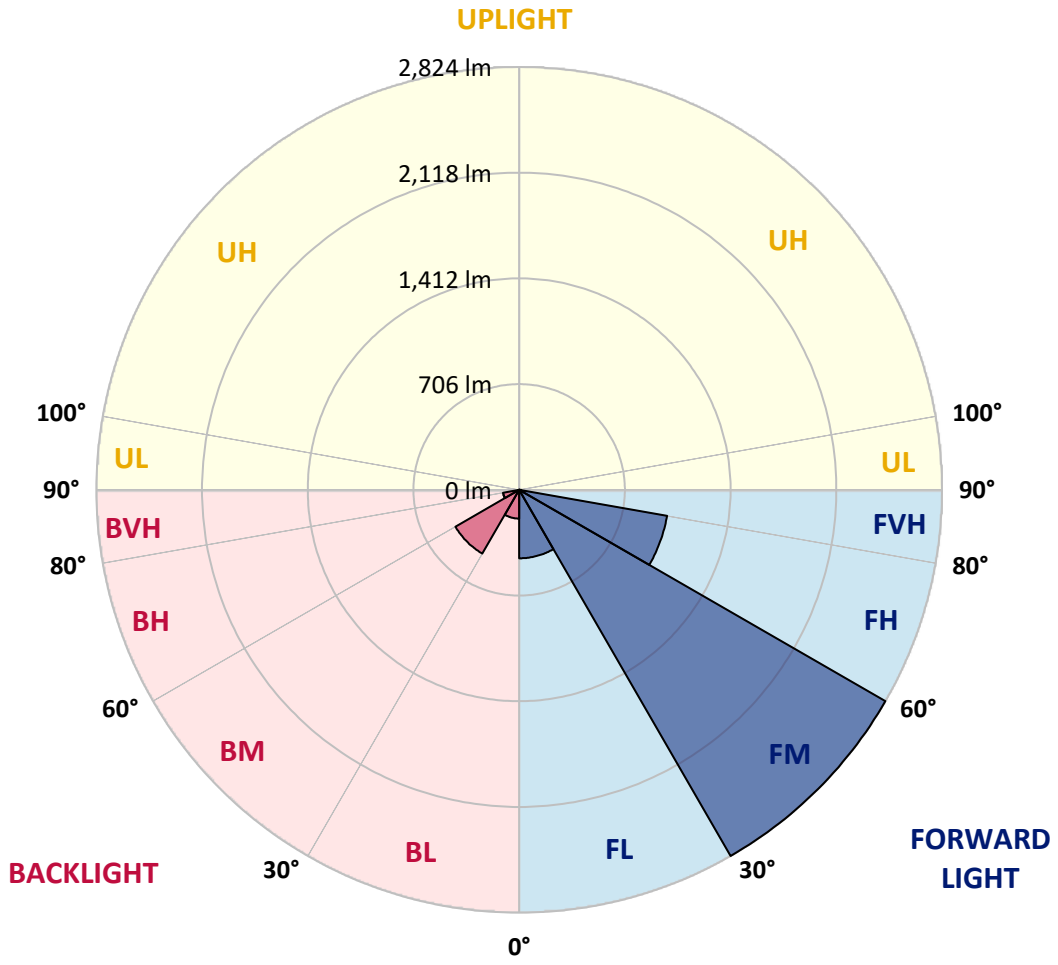
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	457.4	9.0			
FM	(30°-60°)	2824.0	55.5			
FH	(60°-80°)	1003.2	19.7			G1/1800
FVH	(80°-90°)	13.4	0.3			G1/100
BL	(0°-30°)	192.2	3.8	B1/500		
BM	(30°-60°)	491.3	9.6	B1/1000		
BH	(60°-80°)	109.8	2.2	B0/110		G0/110
BVH	(80°-90°)	1.2	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°	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8
2.5°	917.0	914.2	909.9	911.3	909.9	904.2	895.6	888.5	894.2	885.6	879.9
5°	944.1	944.1	941.2	941.2	942.7	939.8	934.1	924.1	925.6	918.4	899.9
7.5°	944.1	939.8	947.0	954.1	966.9	974.0	976.9	971.2	974.0	959.8	935.5
10°	888.5	885.6	904.2	931.3	968.3	1001.1	1022.5	1024.0	1028.2	1014.0	985.5
12.5°	770.1	764.4	801.5	852.8	928.4	1004.0	1063.9	1086.7	1096.7	1091.0	1051.1
15°	660.3	667.4	693.1	748.7	850.0	965.5	1086.7	1162.3	1176.6	1183.7	1136.6
17.5°	648.9	650.3	658.9	686.0	763.0	902.7	1089.6	1240.7	1260.7	1292.1	1227.9
20°	680.3	677.4	686.0	694.5	731.6	847.1	1062.5	1316.3	1354.8	1421.9	1352.0
22.5°	738.7	738.7	743.0	748.7	767.3	842.8	1051.1	1386.2	1451.8	1588.7	1507.4
25°	837.1	825.7	828.6	821.5	837.1	894.2	1076.7	1441.8	1531.7	1774.1	1692.8
27.5°	989.7	994.0	968.3	929.8	938.4	986.9	1139.5	1504.6	1614.4	1966.6	1881.1
30°	1200.8	1193.7	1178.0	1102.4	1068.2	1111.0	1255.0	1607.3	1725.6	2210.5	2132.1
32.5°	1366.2	1386.2	1359.1	1306.3	1253.6	1266.4	1417.6	1772.7	1861.1	2434.4	2391.6
35°	1565.9	1565.9	1571.6	1497.4	1461.8	1458.9	1621.5	1952.4	2040.8	2636.9	2666.9
37.5°	1835.4	1816.9	1785.5	1702.8	1675.7	1711.4	1812.6	2137.8	2233.3	2800.9	2880.8
40°	2062.2	2075.0	2070.7	1951.0	1898.2	1936.7	2026.5	2296.1	2370.2	2906.5	3053.4
42.5°	2284.7	2291.8	2273.3	2216.2	2139.2	2142.1	2216.2	2415.9	2491.5	3007.7	3215.9
45°	2451.5	2450.1	2437.3	2423.0	2377.4	2330.3	2343.1	2548.5	2614.1	3040.5	3304.4
47.5°	2504.3	2515.7	2527.1	2567.0	2598.4	2524.3	2458.7	2619.8	2679.7	3034.8	3337.2
50°	2455.8	2480.0	2535.7	2595.6	2702.5	2696.8	2555.6	2696.8	2755.3	3066.2	3375.7
52.5°	2347.4	2371.7	2445.8	2554.2	2715.4	2795.2	2735.3	2826.6	2895.1	3146.1	3455.5
55°	2095.0	2105.0	2257.6	2400.2	2651.2	2752.4	2927.9	3046.2	3103.3	3243.0	3561.1
57.5°	1705.7	1729.9	1879.6	2112.1	2471.5	2639.8	3037.7	3421.3	3419.9	3335.7	3583.9
60°	*1122.4*	*1193.7*	*1437.5*	*1694.2*	*2123.5*	*2418.7*	*3030.5*	*3860.5*	*3904.8*	*3244.5*	*3308.6*
62.5°	857.1	887.1	1025.4	1239.3	1571.6	2005.1	2983.5	3991.7	4026.0	2999.2	2896.5
65°	644.6	681.7	814.3	1005.4	1109.5	1359.1	2675.4	3469.8	3516.8	2676.9	2251.9
67.5°	395.0	425.0	601.8	825.7	840.0	844.3	1805.5	2628.4	2645.5	2159.2	1516.0
70°	263.8	293.8	416.4	634.6	668.9	486.3	991.2	1989.5	1988.0	1477.5	921.3
72.5°	152.6	166.9	263.8	467.8	526.2	309.5	494.9	1265.0	1209.4	694.5	430.7
75°	87.0	97.0	145.5	300.9	369.4	196.8	195.4	677.4	599.0	358.0	235.3
77.5°	52.8	57.0	79.9	196.8	222.5	132.6	108.4	315.2	303.8	209.6	124.1
80°	25.7	29.9	48.5	115.5	142.6	71.3	65.6	124.1	132.6	115.5	65.6
82.5°	8.6	11.4	27.1	44.2	92.7	28.5	27.1	68.5	72.7	68.5	31.4
85°	4.3	5.7	12.8	14.3	35.7	14.3	10.0	29.9	37.1	22.8	12.8
87.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9
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°	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8
2.5°	875.6	872.8	867.1	857.1	855.7	848.5	837.1	830.0	824.3	828.6	830.0
5°	891.3	884.2	867.1	840.0	811.5	782.9	755.9	724.5	703.1	700.2	694.5
7.5°	919.9	905.6	868.5	815.7	743.0	674.6	594.7	517.7	479.2	473.5	460.6
10°	965.5	941.2	879.9	773.0	633.2	490.6	369.4	286.7	239.6	231.0	233.9
12.5°	1019.7	985.5	881.4	700.2	482.0	303.8	209.6	178.3	168.3	164.0	164.0
15°	1089.6	1039.7	879.9	606.1	325.2	195.4	168.3	155.4	151.2	148.3	148.3
17.5°	1178.0	1112.4	869.9	464.9	219.6	169.7	154.0	144.0	138.3	136.9	136.9
20°	1282.1	1193.7	847.1	346.6	184.0	158.3	145.5	132.6	128.4	125.5	125.5
22.5°	1414.7	1292.1	802.9	269.5	174.0	151.2	136.9	122.6	118.4	115.5	115.5
25°	1568.7	1417.6	744.4	242.4	172.6	145.5	128.4	114.1	109.8	108.4	107.0
27.5°	1751.3	1551.6	690.2	243.9	175.4	141.2	119.8	107.0	102.7	98.4	99.8
30°	1966.6	1690.0	646.0	261.0	178.3	136.9	114.1	102.7	98.4	92.7	92.7
32.5°	2179.1	1852.5	641.8	292.4	188.2	134.1	108.4	97.0	92.7	88.4	88.4
35°	2397.3	2000.9	666.0	333.7	208.2	129.8	101.3	91.3	87.0	84.1	82.7
37.5°	2605.5	2119.2	688.8	359.4	196.8	111.2	92.7	84.1	79.9	74.2	74.2
40°	2743.9	2183.4	693.1	339.4	162.6	99.8	84.1	75.6	69.9	67.0	65.6
42.5°	2845.1	2224.8	644.6	275.2	141.2	91.3	77.0	68.5	64.2	61.3	61.3
45°	2886.5	2210.5	561.9	209.6	129.8	84.1	69.9	62.7	59.9	57.0	57.0
47.5°	2880.8	2144.9	477.8	168.3	118.4	77.0	65.6	59.9	57.0	54.2	52.8
50°	2870.8	2083.6	392.2	149.7	105.5	72.7	61.3	57.0	52.8	49.9	48.5
52.5°	2936.4	2063.6	325.2	136.9	98.4	69.9	59.9	54.2	49.9	47.1	47.1
55°	3002.0	2072.2	255.3	128.4	91.3	68.5	58.5	52.8	48.5	44.2	44.2
57.5°	2997.7	2035.1	194.0	119.8	85.6	67.0	57.0	51.3	44.2	41.4	41.4
60°	*2725.3*	*1815.5*	*151.2*	*109.8*	*78.4*	*62.7*	*52.8*	*48.5*	*41.4*	*37.1*	*37.1*
62.5°	2304.6	1427.6	124.1	97.0	69.9	57.0	48.5	44.2	37.1	29.9	29.9
65°	1702.8	1029.7	99.8	84.1	64.2	49.9	44.2	38.5	29.9	24.2	22.8
67.5°	1152.3	633.2	79.9	69.9	57.0	42.8	37.1	32.8	27.1	20.0	18.5
70°	683.1	336.6	58.5	48.5	42.8	31.4	31.4	28.5	22.8	17.1	15.7
72.5°	325.2	116.9	42.8	35.7	32.8	22.8	24.2	24.2	18.5	12.8	11.4
75°	165.4	57.0	28.5	25.7	21.4	17.1	20.0	18.5	12.8	8.6	8.6
77.5°	94.1	39.9	20.0	17.1	14.3	11.4	12.8	11.4	7.1	4.3	4.3
80°	52.8	28.5	12.8	11.4	8.6	7.1	7.1	5.7	4.3	1.4	1.4
82.5°	20.0	17.1	8.6	5.7	4.3	4.3	2.9	2.9	1.4	0.0	0.0
85°	8.6	4.3	4.3	2.9	2.9	1.4	1.4	1.4	0.0	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	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°	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8
2.5°	818.6	821.5	824.3	835.7	838.6	847.1	854.3	862.8	864.2	875.6	875.6
5°	705.9	704.5	728.8	764.4	787.2	818.6	842.8	868.5	882.8	901.3	909.9
7.5°	467.8	503.4	557.6	620.4	701.7	777.2	834.3	884.2	918.4	939.8	948.4
10°	232.5	252.4	309.5	412.2	550.5	704.5	825.7	918.4	974.0	998.3	1014.0
12.5°	164.0	168.3	178.3	233.9	366.5	584.7	798.6	955.5	1032.5	1078.2	1098.1
15°	146.9	149.7	154.0	169.7	226.8	436.4	750.1	996.9	1123.8	1176.6	1202.2
17.5°	135.5	136.9	141.2	154.0	178.3	296.6	671.7	1041.1	1233.6	1297.8	1346.3
20°	125.5	125.5	129.8	145.5	165.4	228.2	559.0	1091.0	1373.4	1466.1	1514.6
22.5°	114.1	116.9	119.8	136.9	161.2	208.2	453.5	1129.5	1528.8	1641.5	1698.5
25°	105.5	108.4	111.2	128.4	156.9	208.2	392.2	1153.7	1702.8	1836.9	1915.3
27.5°	98.4	101.3	105.5	122.6	152.6	216.8	367.9	1160.9	1892.5	2066.5	2172.0
30°	92.7	95.6	99.8	118.4	155.4	226.8	376.5	1150.9	2085.0	2303.2	2428.7
32.5°	87.0	89.8	94.1	114.1	155.4	239.6	405.0	1130.9	2271.8	2539.9	2694.0
35°	82.7	84.1	85.6	102.7	141.2	238.2	440.7	1111.0	2460.1	2773.8	2953.5
37.5°	74.2	75.6	78.4	88.4	112.7	216.8	447.8	1086.7	2608.4	2970.6	3168.9
40°	65.6	68.5	71.3	81.3	94.1	175.4	416.4	1035.4	2686.8	3121.8	3362.8
42.5°	59.9	61.3	64.2	74.2	87.0	139.8	349.4	945.5	2756.7	3224.5	3504.0
45°	55.6	57.0	59.9	67.0	81.3	121.2	275.2	835.7	2762.4	3257.3	3572.5
47.5°	51.3	52.8	54.2	61.3	78.4	108.4	211.1	735.9	2761.0	3300.1	3630.9
50°	48.5	49.9	52.8	58.5	74.2	97.0	174.0	654.6	2820.9	3392.8	3749.3
52.5°	47.1	47.1	51.3	57.0	69.9	88.4	145.5	581.9	2852.3	3484.0	3834.9
55°	44.2	45.6	48.5	54.2	65.6	84.1	124.1	490.6	2866.5	3529.7	3850.6
57.5°	41.4	42.8	47.1	51.3	62.7	79.9	107.0	366.5	2662.6	3291.5	3588.2
60°	*37.1*	*39.9*	*45.6*	*49.9*	*58.5*	*72.7*	*94.1*	*248.1*	*2246.2*	*2860.8*	*3109.0*
62.5°	29.9	35.7	41.4	44.2	52.8	61.3	79.9	165.4	1794.1	2367.4	2649.8
65°	22.8	29.9	34.2	38.5	44.2	51.3	67.0	112.7	1196.5	1593.0	1911.0
67.5°	20.0	25.7	28.5	31.4	37.1	44.2	54.2	78.4	725.9	956.9	1270.7
70°	15.7	21.4	24.2	22.8	28.5	34.2	38.5	52.8	370.8	519.1	723.0
72.5°	11.4	17.1	18.5	18.5	17.1	24.2	28.5	37.1	161.2	252.4	328.0
75°	8.6	11.4	12.8	11.4	10.0	15.7	20.0	24.2	105.5	151.2	191.1
77.5°	4.3	4.3	7.1	7.1	4.3	8.6	10.0	14.3	59.9	88.4	109.8
80°	1.4	0.0	0.0	1.4	0.0	2.9	4.3	7.1	31.4	47.1	68.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	15.7	14.3	35.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.6
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

REPORT NUMBER: P1501927
CATALOG NUMBER: GSS-SB1C-835-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	872.8	*872.8*	872.8	872.8	872.8	872.8	872.8	872.8	872.8	872.8
2.5°	882.8	*882.8*	888.5	897.0	901.3	904.2	905.6	908.4	919.9	917.0
5°	919.9	*922.7*	927.0	935.5	945.5	942.7	942.7	942.7	949.8	944.1
7.5°	968.3	*976.9*	978.3	988.3	981.2	966.9	958.4	945.5	944.1	944.1
10°	1046.8	*1043.9*	1043.9	1031.1	1005.4	964.1	927.0	901.3	887.1	888.5
12.5°	1130.9	*1119.5*	1120.9	1073.9	1001.1	909.9	834.3	778.7	774.4	770.1
15°	1235.0	*1205.1*	1199.4	1091.0	937.0	797.2	723.0	678.8	664.6	660.3
17.5°	1383.3	*1307.8*	1280.7	1061.0	852.8	727.3	671.7	651.7	650.3	648.9
20°	1540.2	*1390.5*	1339.1	1016.8	824.3	728.8	687.4	681.7	678.8	680.3
22.5°	1722.8	*1443.2*	1377.6	1024.0	850.0	775.8	743.0	738.7	735.9	738.7
25°	1911.0	*1504.6*	1423.3	1081.0	927.0	862.8	824.3	815.7	824.3	837.1
27.5°	2100.7	*1587.3*	1513.1	1193.7	1051.1	981.2	944.1	975.5	988.3	989.7
30°	2269.0	*1702.8*	1634.3	1352.0	1192.2	1122.4	1129.5	1169.4	1185.1	1200.8
32.5°	2423.0	*1856.8*	1804.1	1531.7	1374.8	1333.4	1329.2	1359.1	1376.2	1366.2
35°	2578.4	*2057.9*	2006.6	1727.0	1598.7	1564.5	1528.8	1587.3	1581.6	1565.9
37.5°	2725.3	*2260.4*	2213.4	1936.7	1804.1	1744.2	1738.5	1791.2	1838.3	1835.4
40°	2830.9	*2424.4*	2367.4	2144.9	2019.4	1968.1	1998.0	2089.3	2077.9	2062.2
42.5°	2927.9	*2564.2*	2512.8	2327.5	2196.2	2219.1	2246.2	2307.5	2300.4	2284.7
45°	2973.5	*2684.0*	2639.8	2465.8	2401.6	2474.3	2472.9	2495.7	2457.2	2451.5
47.5°	3037.7	*2769.6*	2723.9	2589.9	2646.9	2676.9	2592.7	2568.5	2532.8	2504.3
50°	3156.0	*2902.2*	2856.5	2778.1	2826.6	2733.9	2631.2	2578.4	2505.7	2455.8
52.5°	3294.4	*3103.3*	3063.3	3032.0	2896.5	2705.4	2574.2	2478.6	2390.2	2347.4
55°	3468.4	*3399.9*	3371.4	3198.8	2833.7	2588.4	2434.4	2256.1	2134.9	2095.0
57.5°	3525.4	*3834.9*	3824.9	3225.9	2658.3	2375.9	2097.8	1856.8	1731.3	1705.7
60°	*3357.1*	*4175.7*	*4140.1*	*3180.3*	*2340.3*	*1928.1*	*1603.0*	*1356.3*	*1152.3*	*1122.4*
62.5°	3141.8	*3914.7*	3901.9	2950.7	1782.7	1381.9	1198.0	966.9	879.9	857.1
65°	2691.1	*3203.1*	3208.8	2367.4	1128.1	992.6	984.0	768.7	661.7	644.6
67.5°	2072.2	*2457.2*	2417.3	1488.9	657.4	794.4	785.8	561.9	406.4	395.0
70°	1210.8	*1829.7*	1765.6	774.4	435.0	663.2	604.7	395.0	276.7	263.8
72.5°	534.8	*1006.9*	1081.0	340.8	306.6	527.7	436.4	242.4	155.4	152.6
75°	296.6	*499.1*	522.0	148.3	215.3	375.1	263.8	135.5	88.4	87.0
77.5°	178.3	*221.1*	215.3	95.6	161.2	239.6	159.7	77.0	55.6	52.8
80°	99.8	*101.3*	85.6	69.9	95.6	134.1	89.8	48.5	25.7	25.7
82.5°	61.3	*55.6*	44.2	21.4	25.7	81.3	32.8	27.1	8.6	8.6
85°	25.7	*17.1*	11.4	4.3	10.0	21.4	11.4	12.8	4.3	4.3
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

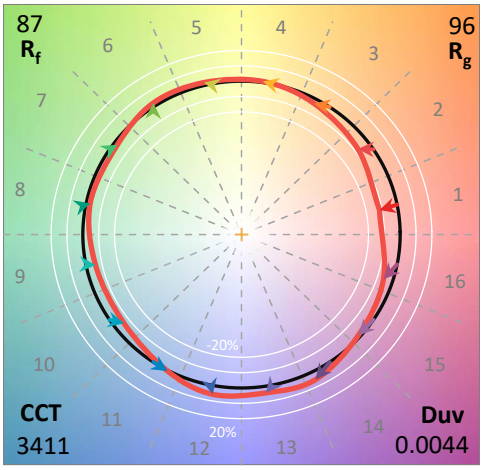
Test Information

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

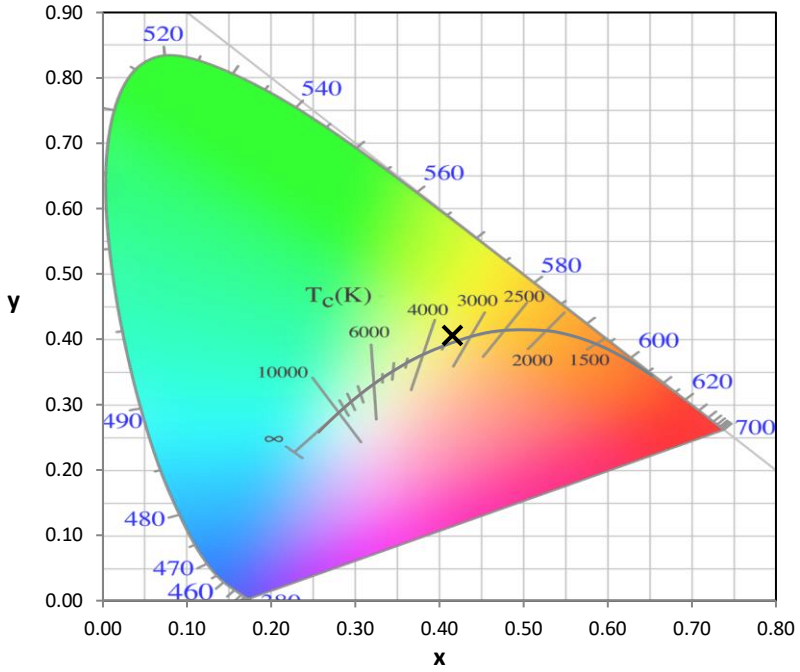
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

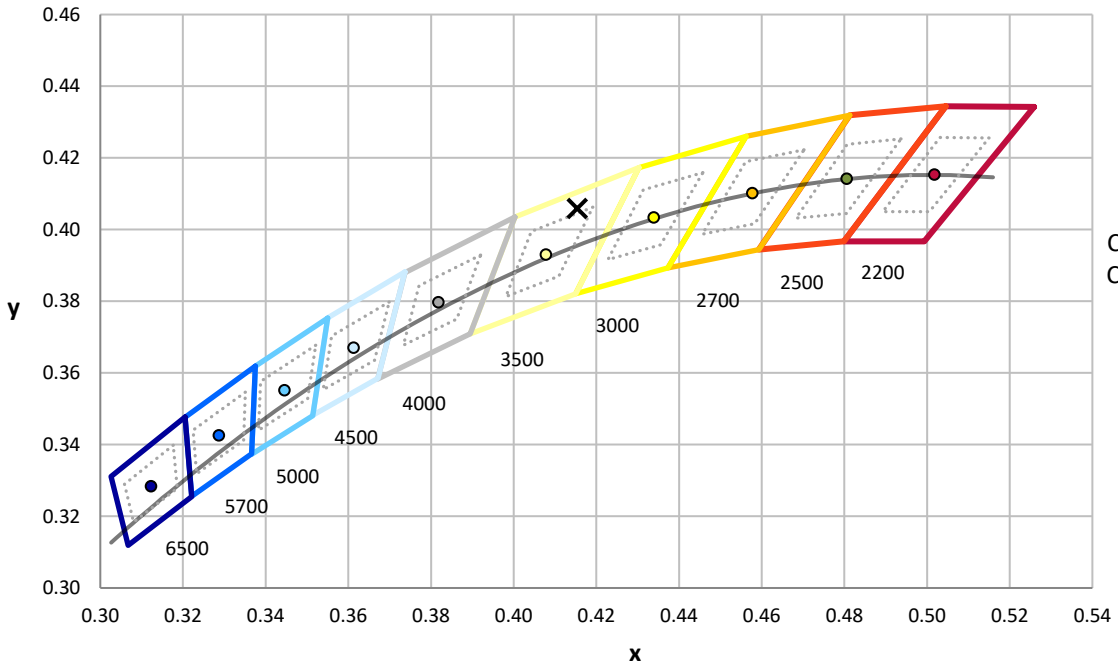
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

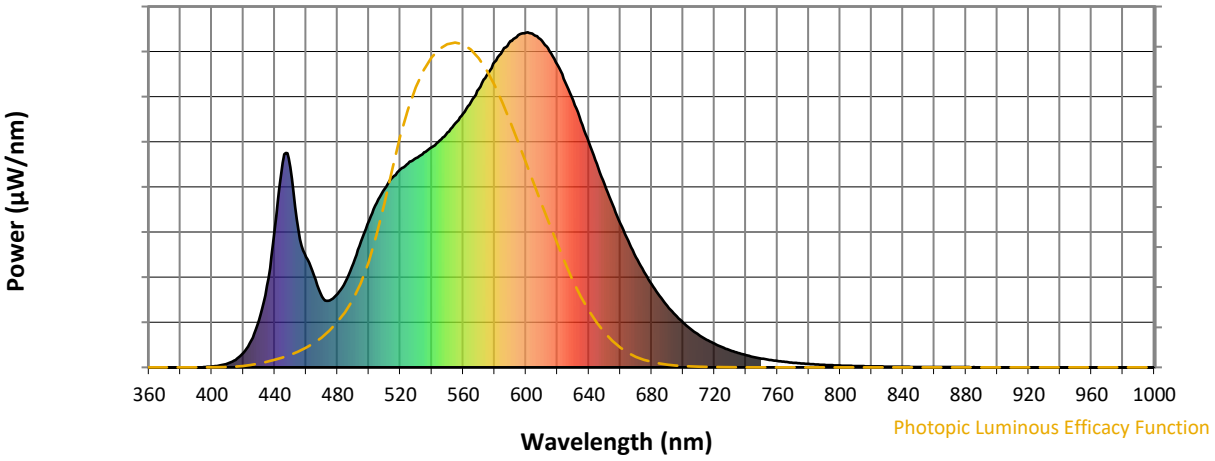


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

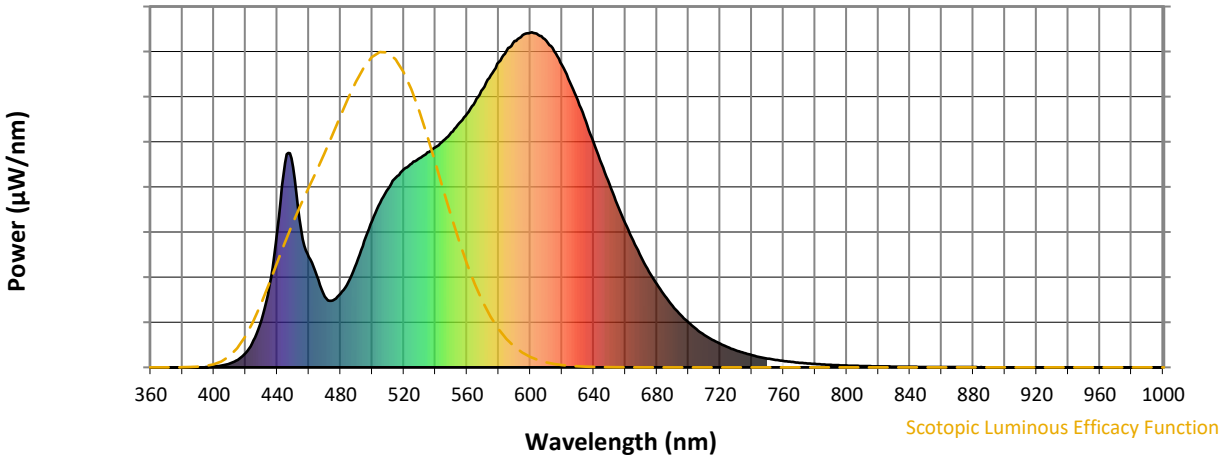


Photopic Lumens: NR

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

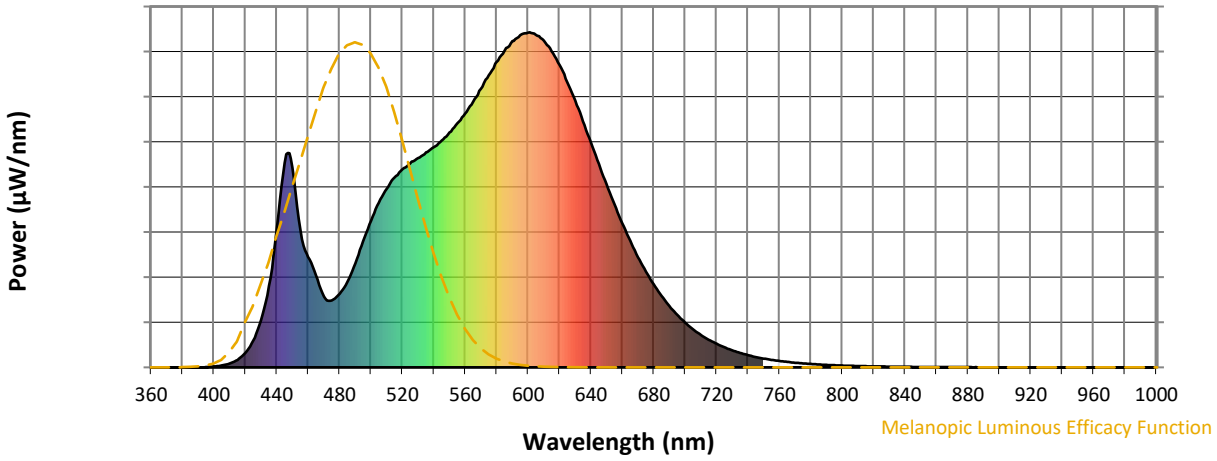


Scotopic Lumens: NR **S/P: 1.48**

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			

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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			

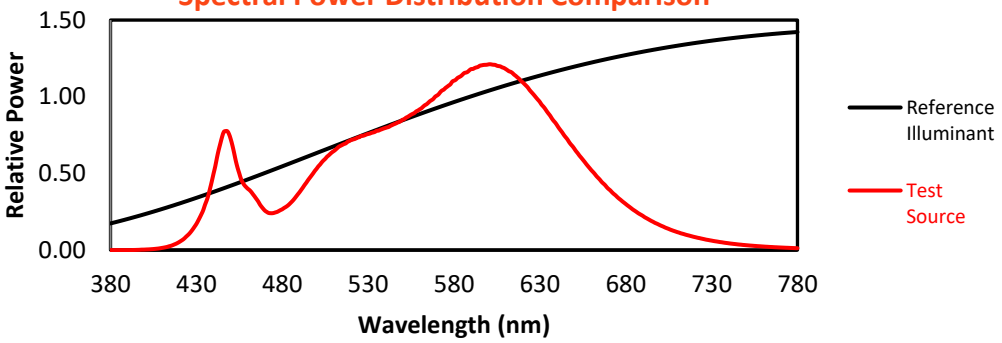
REPORT NUMBER: SP1-2407-184-10

TM-30-18

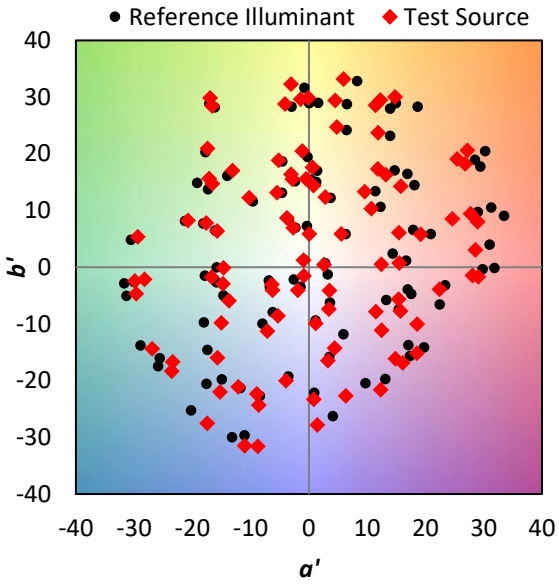
Summary

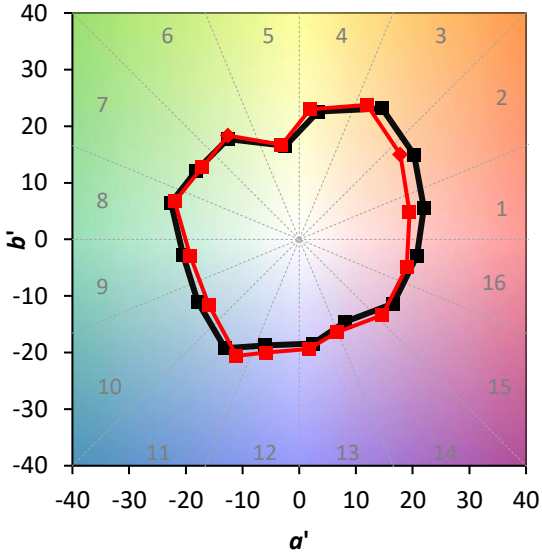
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

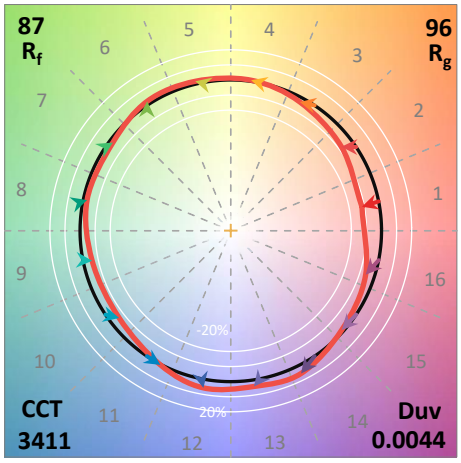
Spectral Power Distribution Comparison

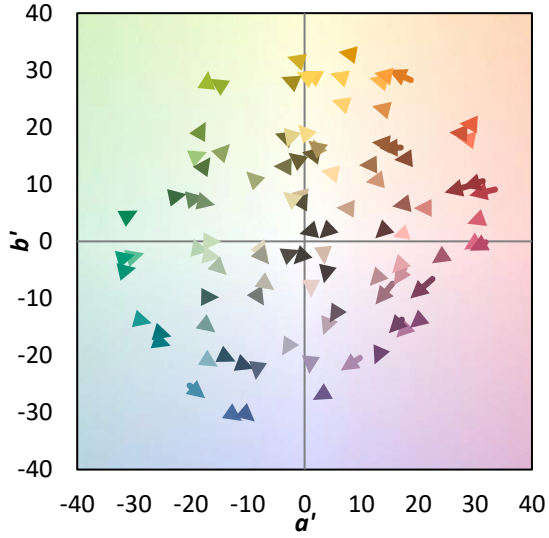


Color Vector Graphics







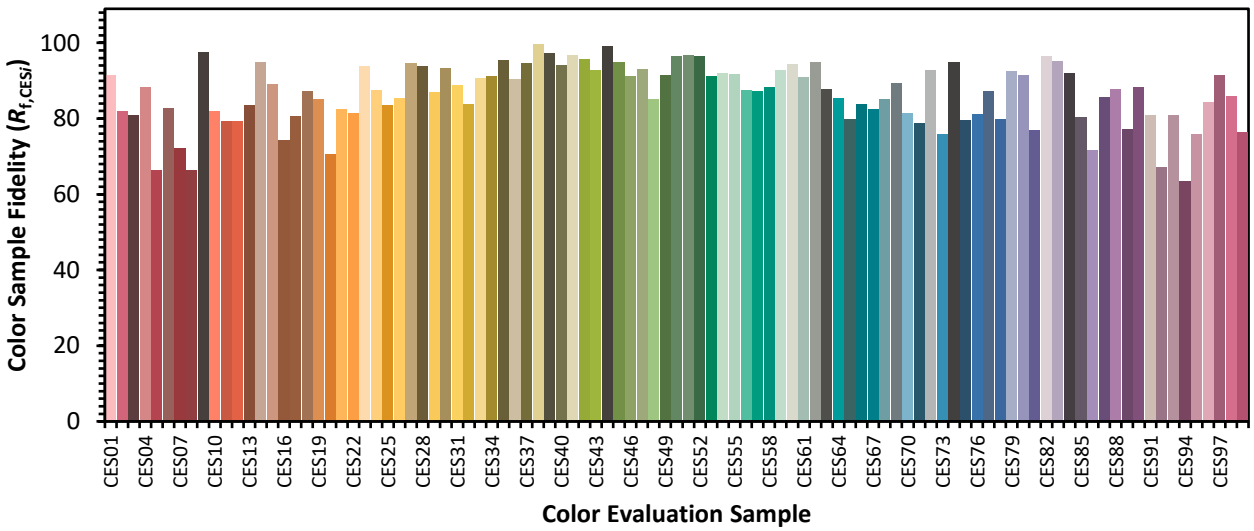


REPORT NUMBER: SP1-2407-184-10

TM-30-18

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

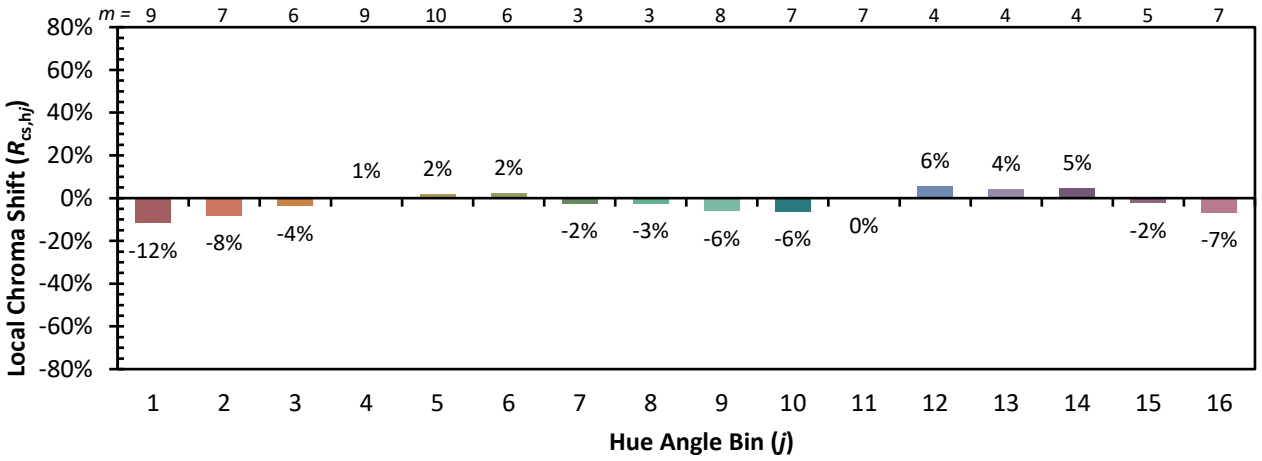
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 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
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CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

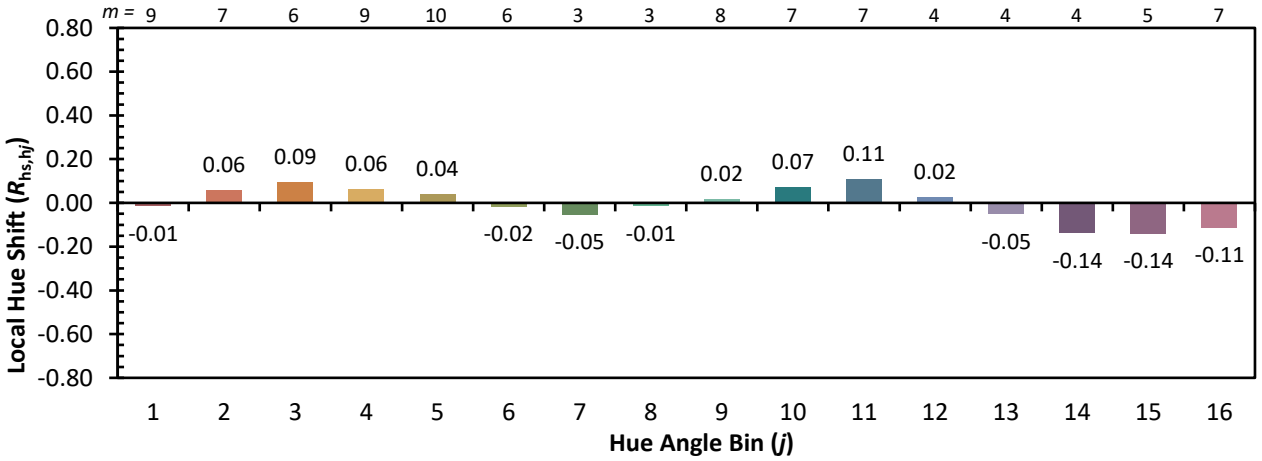


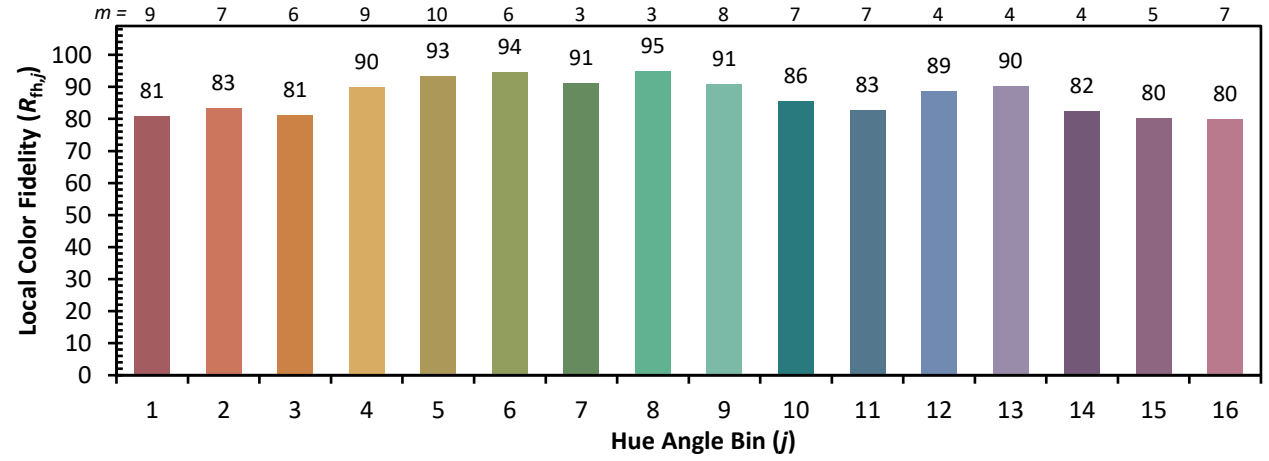
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Color Rendition by Hue-Angle Bin



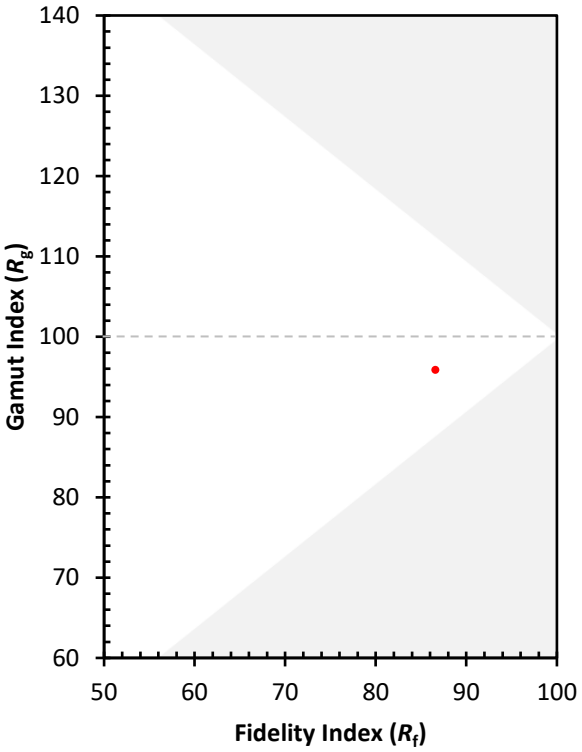


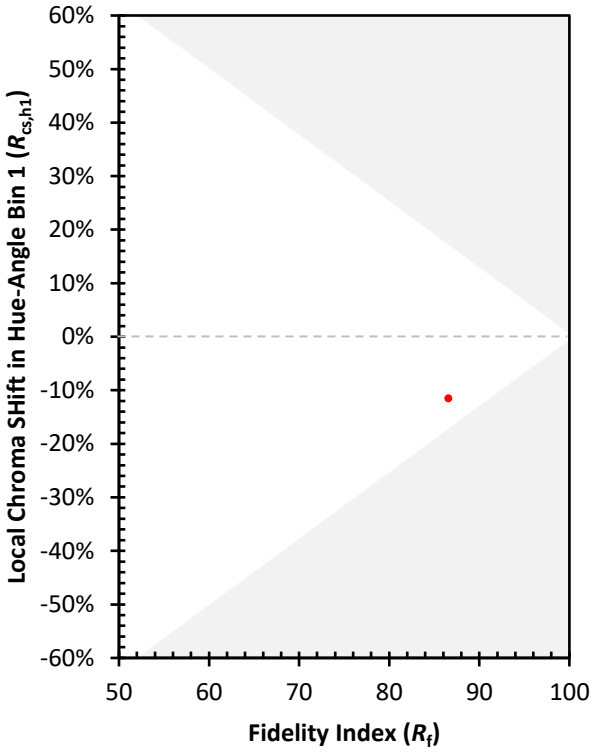


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Measure Comparisons





(END OF REPORT)