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: P1501519

Luminaire Tested: GSS-SB1C-830-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501519
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6057.1 lumens
Efficiency:	N/A
Efficacy:	116.5 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

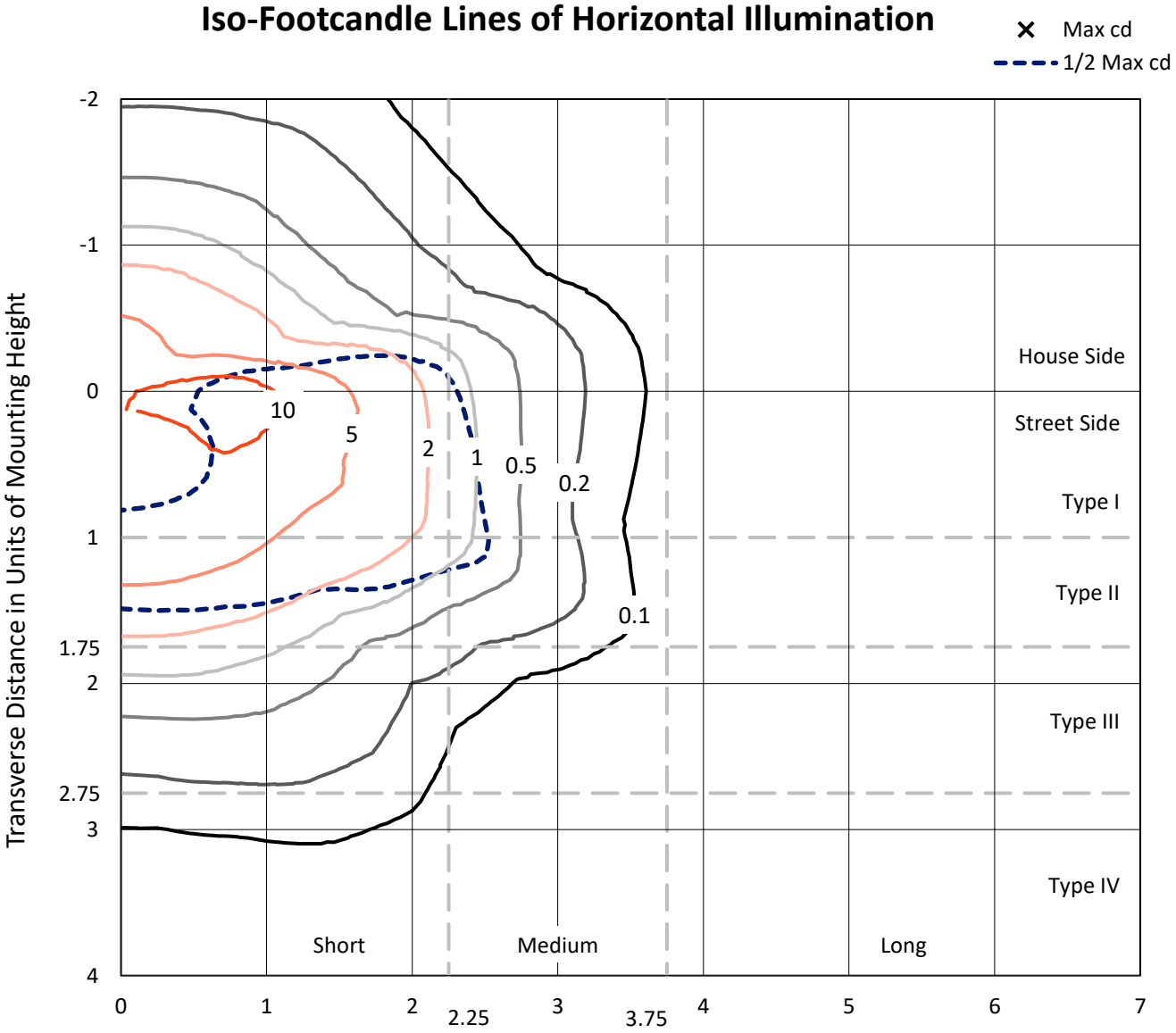
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



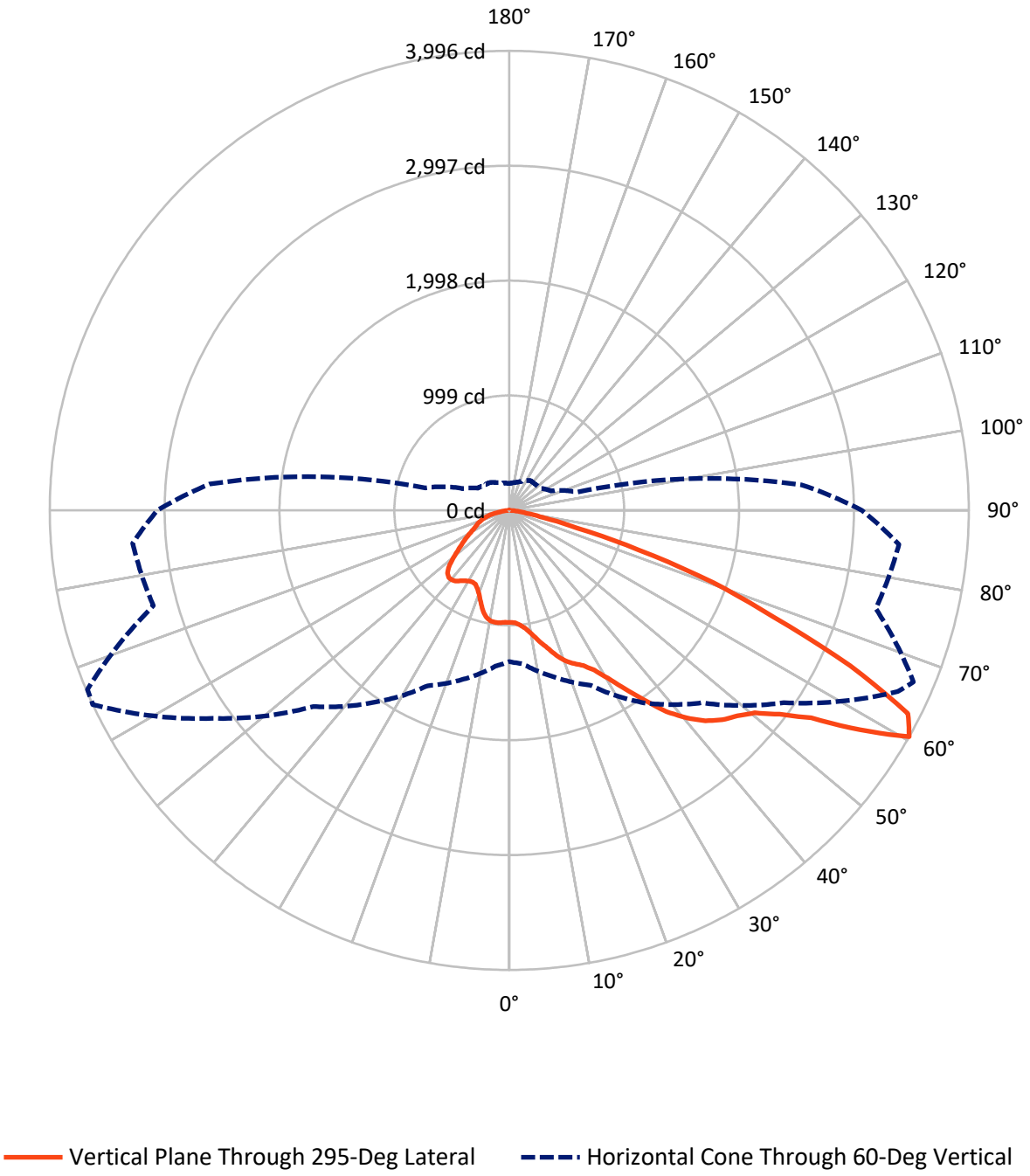
Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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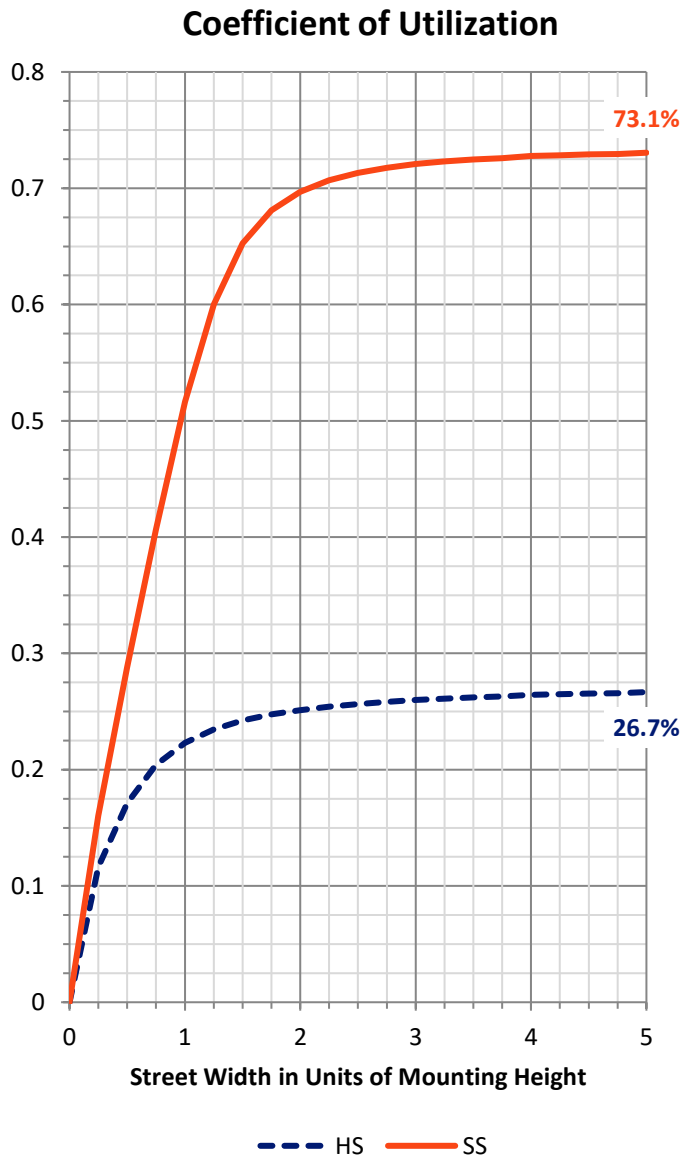
REPORT NUMBER: P1501519
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1628.8	0.0	1628.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4428.3	0.0	4428.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	6057.1	0.0	6057.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.5
10°-20°	263.4	4.3
20°-30°	498.9	8.2
30°-40°	879.6	14.5
40°-50°	1300.9	21.5
50°-60°	1527.6	25.2
60°-70°	1106.8	18.3
70°-80°	341.3	5.6
80°-90°	47.0	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6057.1	100.0
0°-180°	6057.1	100.0



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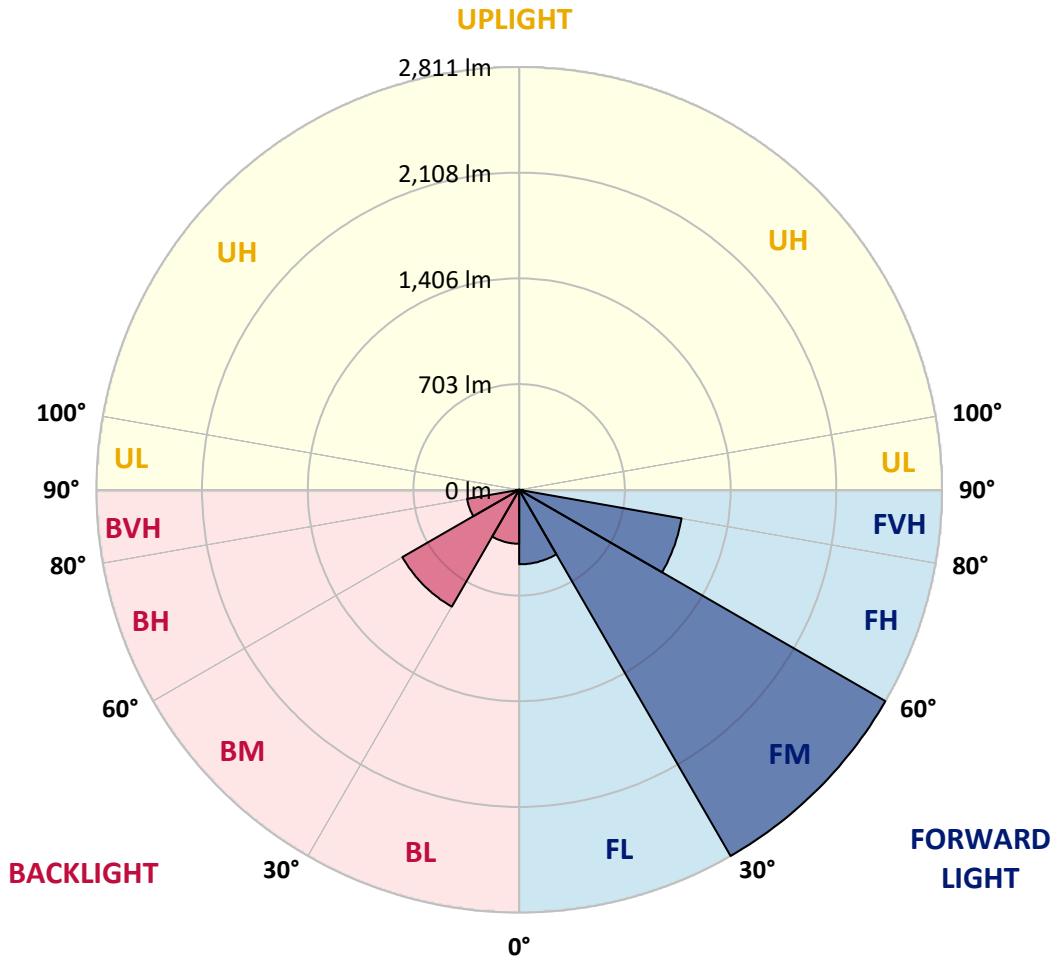
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	495.3	8.2			
FM	(30°-60°)	2811.1	46.4			
FH	(60°-80°)	1096.5	18.1			G1/1800
FVH	(80°-90°)	25.3	0.4			G1/100
BL	(0°-30°)	358.7	5.9	B1/500		
BM	(30°-60°)	896.9	14.8	B1/1000		
BH	(60°-80°)	351.6	5.8	B1/500		G1/500
BVH	(80°-90°)	21.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	993.9	996.6	992.5	995.3	995.3	991.1	989.7	984.2	987.0	985.6	984.2
5°	1017.4	1018.7	1016.0	1020.1	1020.1	1021.5	1020.1	1013.2	1013.2	1013.2	1010.5
7.5°	1010.5	1010.5	1011.8	1025.6	1039.4	1057.4	1057.4	1054.6	1057.4	1056.0	1043.6
10°	952.5	958.0	970.4	1004.9	1038.1	1076.7	1102.9	1111.2	1111.2	1112.6	1091.9
12.5°	848.9	853.1	882.1	934.5	1003.5	1073.9	1137.4	1178.9	1183.0	1189.9	1162.3
15°	756.5	759.2	779.9	833.8	912.4	1036.7	1156.8	1242.4	1256.2	1285.2	1243.7
17.5°	764.7	763.4	768.9	789.6	846.2	975.9	1152.6	1316.9	1341.7	1392.8	1356.9
20°	814.4	814.4	818.6	822.7	843.4	931.8	1122.3	1377.6	1426.0	1525.3	1483.9
22.5°	893.1	893.1	891.7	898.6	898.6	951.1	1123.6	1423.2	1495.0	1673.0	1633.0
25°	1002.2	996.6	996.6	999.4	987.0	1024.3	1158.2	1470.1	1564.0	1848.4	1813.8
27.5°	1125.0	1129.2	1126.4	1116.7	1100.2	1129.2	1241.0	1543.3	1641.3	2033.3	2019.5
30°	1258.9	1260.3	1263.1	1257.5	1243.7	1264.4	1370.7	1653.7	1743.4	2226.6	2257.0
32.5°	1390.1	1409.4	1402.5	1388.7	1394.2	1431.5	1530.9	1802.8	1895.3	2406.0	2513.7
35°	1557.1	1564.0	1591.6	1540.5	1541.9	1605.4	1735.2	1998.8	2088.5	2592.4	2770.5
37.5°	1800.0	1812.5	1800.0	1720.0	1707.6	1795.9	1933.9	2192.1	2257.0	2733.2	3009.3
40°	2038.8	2054.0	2074.7	1980.9	1902.2	1975.3	2121.7	2339.8	2407.4	2810.5	3168.0
42.5°	2236.2	2261.1	2239.0	2211.4	2139.6	2153.4	2252.8	2454.3	2522.0	2908.5	3328.1
45°	2403.3	2407.4	2417.1	2397.8	2361.9	2349.4	2364.6	2555.1	2629.7	2952.7	3406.8
47.5°	2472.3	2490.2	2498.5	2531.6	2568.9	2544.1	2459.9	2602.1	2669.7	2949.9	3431.7
50°	2435.0	2453.0	2497.1	2575.8	2665.5	2709.7	2571.7	2666.9	2742.9	2999.6	3482.7
52.5°	2337.0	2356.3	2428.1	2517.8	2668.3	2769.1	2729.0	2802.2	2875.4	3088.0	3568.3
55°	2099.6	2128.6	2229.3	2378.4	2585.5	2737.3	2894.7	3001.0	3081.0	3194.2	3656.7
57.5°	1754.5	1784.9	1898.0	2121.7	2432.3	2606.2	2943.0	3373.7	3409.6	3321.2	3665.0
60°	*1314.1*	*1339.0*	*1499.1*	*1678.6*	*2043.0*	*2366.0*	*2915.4*	*3727.1*	*3818.2*	*3299.2*	*3401.3*
62.5°	1040.8	1071.2	1213.4	1296.2	1557.1	1954.6	2818.8	3825.1	3903.8	3116.9	3034.1
65°	813.1	833.8	966.3	1085.0	1148.5	1334.8	2415.7	3346.1	3416.5	2820.2	2504.0
67.5°	537.0	568.7	726.1	889.0	922.1	848.9	1662.0	2574.4	2607.6	2241.8	1882.9
70°	385.1	400.3	517.6	691.6	741.3	568.7	905.5	1949.1	1958.8	1504.6	1268.6
72.5°	262.3	265.0	352.0	530.1	590.8	412.7	498.3	1283.8	1250.6	742.7	726.1
75°	178.1	180.8	225.0	353.4	418.3	287.1	324.4	699.9	672.3	410.0	440.3
77.5°	120.1	122.9	154.6	237.4	278.8	198.8	237.4	369.9	363.0	271.9	236.0
80°	91.1	95.2	114.6	151.8	194.6	116.0	135.3	175.3	178.1	144.9	120.1
82.5°	51.1	56.6	69.0	77.3	125.6	64.9	64.9	104.9	100.8	89.7	64.9
85°	22.1	23.5	27.6	29.0	51.1	27.6	23.5	45.6	46.9	44.2	20.7
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5	5.5
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°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	977.3	985.6	977.3	973.2	973.2	966.3	963.5	963.5	953.9	958.0	955.2
5°	999.4	1002.2	992.5	980.1	963.5	949.7	930.4	905.5	890.4	889.0	890.4
7.5°	1033.9	1035.3	1009.1	981.5	940.1	890.4	831.0	782.7	739.9	733.0	741.3
10°	1082.2	1079.5	1040.8	975.9	889.0	784.1	693.0	648.8	623.9	622.6	621.2
12.5°	1147.1	1129.2	1069.8	952.5	800.6	679.2	632.2	629.5	636.4	641.9	643.3
15°	1221.7	1198.2	1093.3	906.9	710.9	640.5	643.3	666.7	675.0	680.5	680.5
17.5°	1314.1	1283.8	1119.5	842.0	665.4	648.8	668.1	690.2	704.0	709.5	708.1
20°	1437.0	1373.5	1140.2	779.9	652.9	662.6	679.2	701.2	715.0	721.9	721.9
22.5°	1559.8	1481.2	1144.3	737.1	652.9	664.0	679.2	701.2	716.4	723.3	721.9
25°	1726.9	1619.2	1145.7	706.8	654.3	657.1	670.9	690.2	712.3	719.2	721.9
27.5°	1904.9	1771.1	1152.6	699.9	648.8	647.4	657.1	675.0	697.1	715.0	716.4
30°	2125.8	1942.2	1155.4	706.8	650.2	632.2	639.1	657.1	680.5	698.5	704.0
32.5°	2342.5	2101.0	1149.9	721.9	652.9	622.6	623.9	635.0	659.8	672.3	681.9
35°	2571.7	2269.4	1140.2	742.7	654.3	618.4	606.0	611.5	628.1	629.5	633.6
37.5°	2751.1	2395.0	1111.2	770.3	657.1	603.2	578.4	574.2	567.3	553.5	556.3
40°	2898.8	2479.2	1062.9	784.1	650.2	585.3	543.9	524.6	498.3	477.6	481.8
42.5°	3005.1	2535.8	1004.9	786.8	639.1	554.9	503.8	470.7	441.7	419.6	421.0
45°	3052.1	2530.3	942.8	766.1	612.9	517.6	466.6	434.8	403.1	379.6	376.8
47.5°	3053.4	2476.4	857.2	716.4	568.7	474.9	432.1	397.6	371.3	354.8	353.4
50°	3064.5	2446.1	777.2	644.6	510.7	429.3	401.7	367.2	352.0	328.5	321.6
52.5°	3133.5	2495.8	721.9	566.0	456.9	396.2	375.5	345.1	320.3	305.1	303.7
55°	3245.3	2581.3	691.6	506.6	405.8	364.4	350.6	324.4	302.3	287.1	283.0
57.5°	3259.1	2625.5	655.7	451.4	364.4	339.6	334.1	305.1	273.3	262.3	258.1
60°	*3065.9*	*2551.0*	*611.5*	*400.3*	*334.1*	*320.3*	*317.5*	*278.8*	*252.6*	*238.8*	*233.3*
62.5°	2802.2	2364.6	543.9	353.4	310.6	300.9	289.9	259.5	226.4	211.2	207.1
65°	2290.1	1987.8	462.4	321.6	287.1	276.1	273.3	231.9	209.8	201.5	200.2
67.5°	1735.2	1597.1	407.2	298.2	262.3	258.1	248.5	234.7	225.0	215.3	212.6
70°	1227.2	1152.6	346.5	267.8	237.4	230.5	270.6	255.4	220.9	208.4	207.1
72.5°	744.0	723.3	299.5	240.2	204.3	215.3	249.9	230.5	198.8	183.6	178.1
75°	469.3	429.3	251.2	204.3	162.9	175.3	218.1	205.7	171.2	156.0	151.8
77.5°	255.4	237.4	189.1	167.0	128.4	142.2	190.5	169.8	136.7	149.1	132.5
80°	111.8	124.2	125.6	96.6	85.6	104.9	136.7	132.5	104.9	106.3	88.3
82.5°	53.8	70.4	81.4	66.3	48.3	62.1	91.1	75.9	70.4	66.3	63.5
85°	16.6	26.2	35.9	31.7	22.1	26.2	42.8	41.4	49.7	42.8	40.0
87.5°	5.5	5.5	4.1	4.1	4.1	5.5	6.9	4.1	1.4	1.4	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°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	953.9	955.2	955.2	956.6	956.6	960.8	966.3	971.8	967.7	973.2	974.6
5°	887.6	894.5	900.0	920.7	937.3	951.1	966.3	980.1	984.2	987.0	993.9
7.5°	731.6	750.9	786.8	833.8	886.2	937.3	971.8	1007.7	1013.2	1020.1	1029.8
10°	622.6	630.8	655.7	704.0	797.9	898.6	982.8	1039.4	1062.9	1076.7	1086.4
12.5°	640.5	635.0	630.8	637.7	698.5	828.2	975.9	1085.0	1129.2	1144.3	1156.8
15°	683.3	677.8	662.6	643.3	650.2	753.7	952.5	1127.8	1198.2	1223.0	1249.3
17.5°	708.1	702.6	690.2	669.5	651.5	691.6	908.3	1166.4	1307.2	1337.6	1374.9
20°	721.9	716.4	704.0	683.3	662.6	668.1	851.7	1214.8	1431.5	1479.8	1535.0
22.5°	724.7	717.8	704.0	683.3	670.9	666.7	797.9	1243.7	1565.4	1639.9	1703.4
25°	723.3	710.9	693.0	677.8	670.9	669.5	760.6	1260.3	1710.3	1829.0	1900.8
27.5°	713.7	698.5	680.5	669.5	666.7	675.0	744.0	1279.6	1880.1	2031.9	2146.5
30°	702.6	680.5	658.4	654.3	661.2	687.4	757.8	1286.5	2058.2	2252.8	2370.1
32.5°	673.6	657.1	635.0	633.6	650.2	697.1	789.6	1276.9	2215.5	2473.7	2621.4
35°	632.2	622.6	610.1	614.3	640.5	705.4	811.7	1246.5	2359.1	2679.4	2851.9
37.5°	559.1	566.0	572.9	582.5	615.7	704.0	821.3	1198.2	2477.8	2843.6	3064.5
40°	477.6	501.1	523.2	548.0	592.2	693.0	824.1	1138.8	2546.8	2967.9	3253.6
42.5°	426.5	448.6	476.2	512.1	560.4	668.1	821.3	1072.6	2568.9	3053.4	3373.7
45°	379.6	405.8	440.3	477.6	532.8	632.2	796.5	1000.8	2580.0	3093.5	3424.8
47.5°	354.8	369.9	401.7	439.0	496.9	588.0	748.2	948.3	2563.4	3101.8	3486.9
50°	325.8	346.5	367.2	403.1	459.7	532.8	690.2	918.0	2591.0	3183.2	3584.9
52.5°	303.7	314.7	336.8	369.9	411.4	481.8	635.0	893.1	2666.9	3266.0	3687.0
55°	287.1	299.5	313.4	341.0	372.7	430.7	578.4	855.8	2755.3	3354.4	3789.2
57.5°	260.9	269.2	288.5	317.5	338.2	381.0	512.1	811.7	2748.4	3285.3	3612.5
60°	*237.4*	*245.7*	*266.4*	*295.4*	*307.8*	*336.8*	*447.2*	*755.1*	*2615.9*	*3060.3*	*3286.7*
62.5°	211.2	220.9	245.7	266.4	277.5	299.5	379.6	651.5	2339.8	2722.1	2905.7
65°	200.2	205.7	222.2	247.1	245.7	266.4	320.3	512.1	1882.9	2080.3	2247.3
67.5°	212.6	220.9	218.1	225.0	220.9	231.9	287.1	411.4	1479.8	1566.8	1663.4
70°	209.8	229.1	238.8	225.0	193.3	205.7	248.5	328.5	1058.8	1050.5	1046.3
72.5°	183.6	202.9	230.5	244.3	189.1	171.2	215.3	284.4	679.2	676.4	611.5
75°	156.0	169.8	202.9	220.9	162.9	138.0	185.0	241.6	405.8	411.4	367.2
77.5°	143.6	136.7	169.8	194.6	132.5	106.3	149.1	182.2	223.6	226.4	209.8
80°	103.5	99.4	127.0	142.2	100.8	75.9	84.2	113.2	120.1	107.7	111.8
82.5°	66.3	67.6	75.9	91.1	62.1	41.4	58.0	75.9	64.9	52.5	62.1
85°	42.8	48.3	40.0	46.9	19.3	19.3	24.8	33.1	22.1	15.2	16.6
87.5°	0.0	0.0	2.8	5.5	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: P1501519
CATALOG NUMBER: GSS-SB1C-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	974.6	974.6	*974.6*	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	978.7	977.3	*977.3*	980.1	987.0	989.7	993.9	992.5	996.6	993.9
5°	998.0	999.4	*1003.5*	1004.9	1009.1	1014.6	1016.0	1014.6	1017.4	1017.4
7.5°	1036.7	1042.2	*1039.4*	1046.3	1040.8	1033.9	1022.9	1014.6	1007.7	1010.5
10°	1101.6	1098.8	*1097.4*	1085.0	1060.1	1024.3	995.3	963.5	958.0	952.5
12.5°	1173.3	1170.6	*1170.6*	1127.8	1057.4	982.8	916.6	866.9	850.3	848.9
15°	1274.1	1256.2	*1239.6*	1149.9	1009.1	882.1	804.8	766.1	756.5	756.5
17.5°	1399.7	1352.8	*1325.2*	1133.3	930.4	815.8	770.3	760.6	757.8	764.7
20°	1555.7	1437.0	*1397.0*	1096.0	901.4	824.1	802.0	803.4	804.8	814.4
22.5°	1726.9	1514.3	*1448.0*	1096.0	930.4	876.6	865.5	880.7	884.8	893.1
25°	1917.4	1583.3	*1493.6*	1154.0	1016.0	975.9	962.1	977.3	988.4	1002.2
27.5°	2131.3	1655.1	*1572.3*	1258.9	1126.4	1101.6	1086.4	1093.3	1108.5	1125.0
30°	2323.2	1775.2	*1692.4*	1419.0	1276.9	1246.5	1220.3	1231.3	1247.9	1258.9
32.5°	2493.0	1921.5	*1851.1*	1587.5	1449.4	1397.0	1368.0	1365.2	1398.3	1390.1
35°	2649.0	2094.1	*2026.4*	1779.3	1624.7	1559.8	1521.2	1570.9	1548.8	1557.1
37.5°	2771.8	2273.5	*2219.7*	1962.9	1806.9	1718.6	1695.1	1755.9	1790.4	1800.0
40°	2872.6	2429.5	*2372.9*	2145.1	1974.0	1909.1	1946.4	2047.1	2043.0	2038.8
42.5°	2949.9	2563.4	*2501.3*	2283.2	2134.1	2146.5	2175.5	2243.1	2259.7	2236.2
45°	2984.4	2647.6	*2597.9*	2392.2	2316.3	2388.1	2400.5	2429.5	2418.5	2403.3
47.5°	3024.5	2722.1	*2669.7*	2491.6	2513.7	2584.1	2559.3	2535.8	2495.8	2472.3
50°	3092.1	2810.5	*2766.3*	2636.6	2716.6	2693.2	2596.5	2544.1	2462.6	2435.0
52.5°	3220.5	2977.5	*2944.4*	2865.7	2811.9	2676.6	2559.3	2465.4	2374.3	2337.0
55°	3335.0	3203.9	*3184.6*	3079.7	2782.9	2589.6	2432.3	2287.3	2131.3	2099.6
57.5°	3401.3	3579.4	*3601.5*	3170.8	2650.4	2392.2	2160.3	1928.4	1780.7	1754.5
60°	*3203.9*	*3985.2*	*3996.3*	*3152.8*	*2411.6*	*2036.1*	*1682.7*	*1518.4*	*1359.7*	*1314.1*
62.5°	2932.0	3901.0	*3891.3*	3045.2	1920.1	1485.3	1278.2	1200.9	1078.1	1040.8
65°	2520.6	3249.5	*3260.5*	2631.0	1276.9	1073.9	1073.9	975.9	839.3	813.1
67.5°	2054.0	2505.4	*2480.6*	1706.2	784.1	860.0	901.4	760.6	568.7	537.0
70°	1334.8	1913.2	*1878.7*	984.2	492.8	716.4	709.5	571.5	407.2	385.1
72.5°	574.2	1105.7	*1176.1*	502.5	371.3	577.0	566.0	400.3	271.9	262.3
75°	346.5	556.3	*606.0*	320.3	270.6	434.8	392.0	254.0	185.0	178.1
77.5°	219.5	305.1	*302.3*	240.2	202.9	294.0	263.7	175.3	125.6	120.1
80°	127.0	150.5	*156.0*	150.5	136.7	209.8	168.4	127.0	98.0	91.1
82.5°	81.4	93.9	*95.2*	73.2	75.9	135.3	91.1	74.5	56.6	51.1
85°	35.9	40.0	*38.7*	24.8	24.8	55.2	31.7	30.4	22.1	22.1
87.5°	1.4	2.8	*1.4*	1.4	1.4	5.5	2.8	4.1	4.1	4.1
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

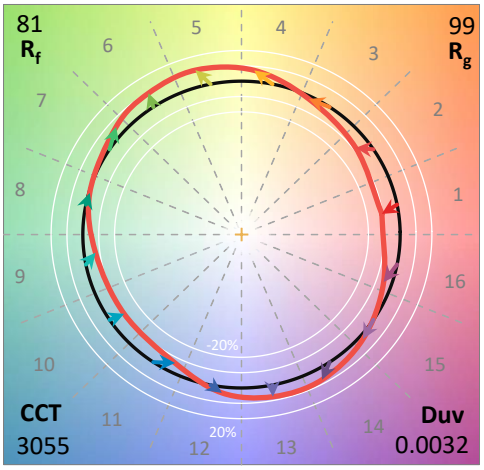
Test Information

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

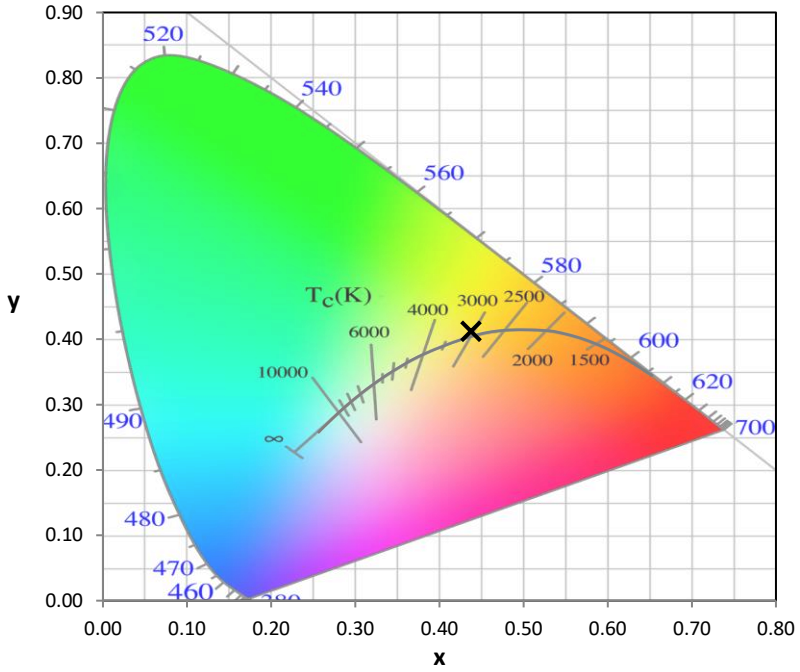
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

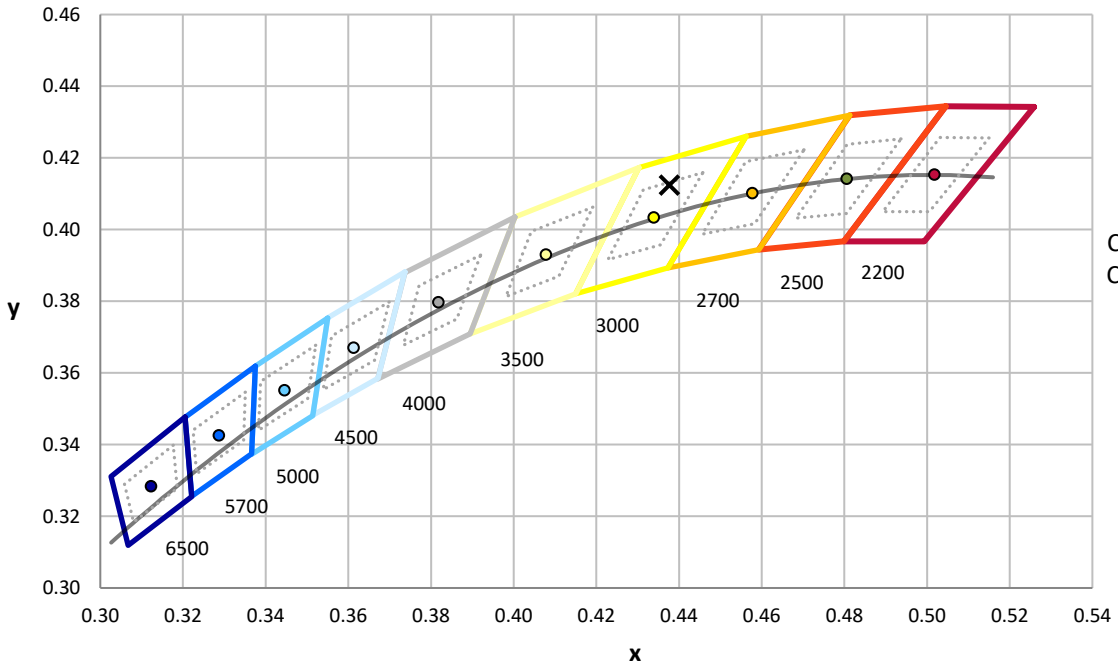
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

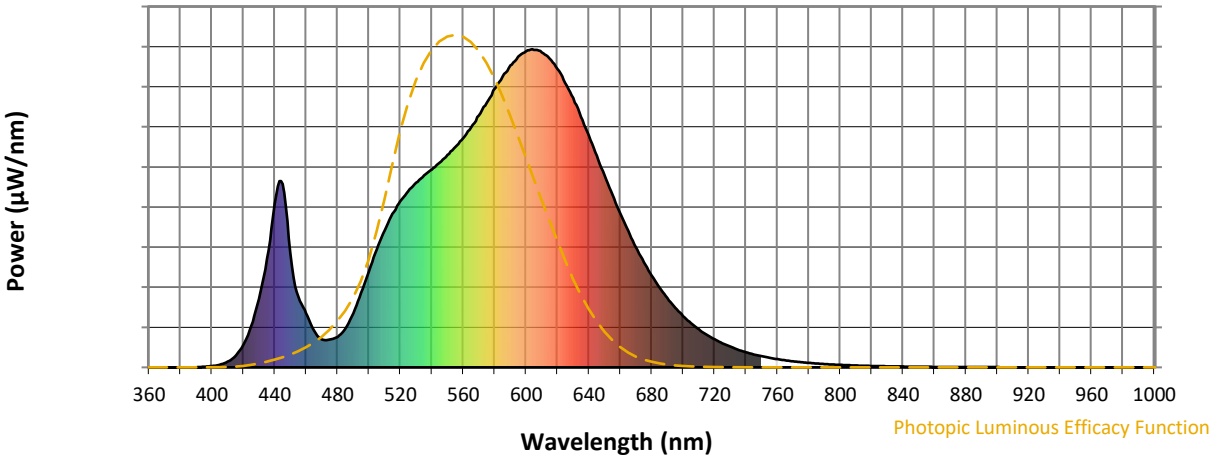


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

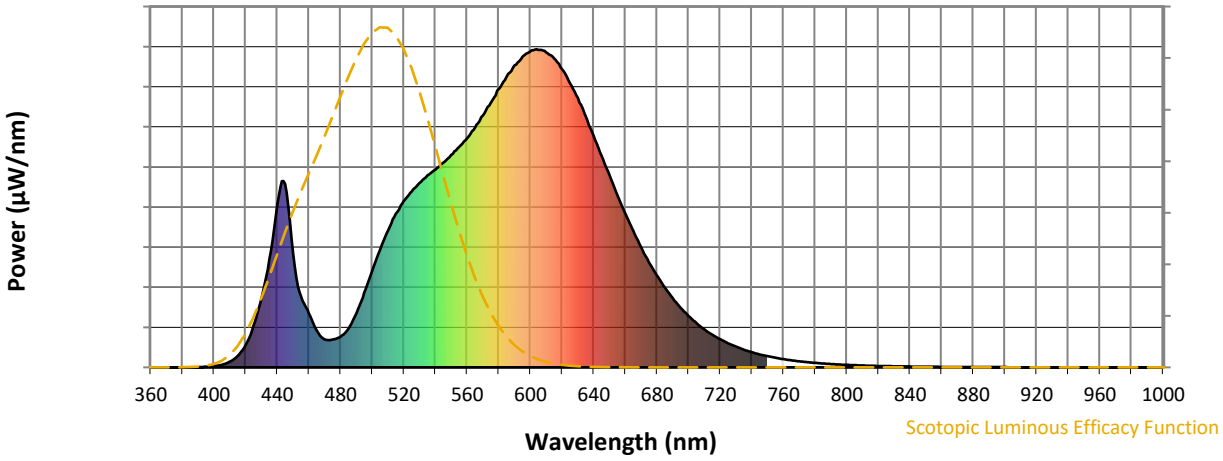


Photopic Lumens: NR

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

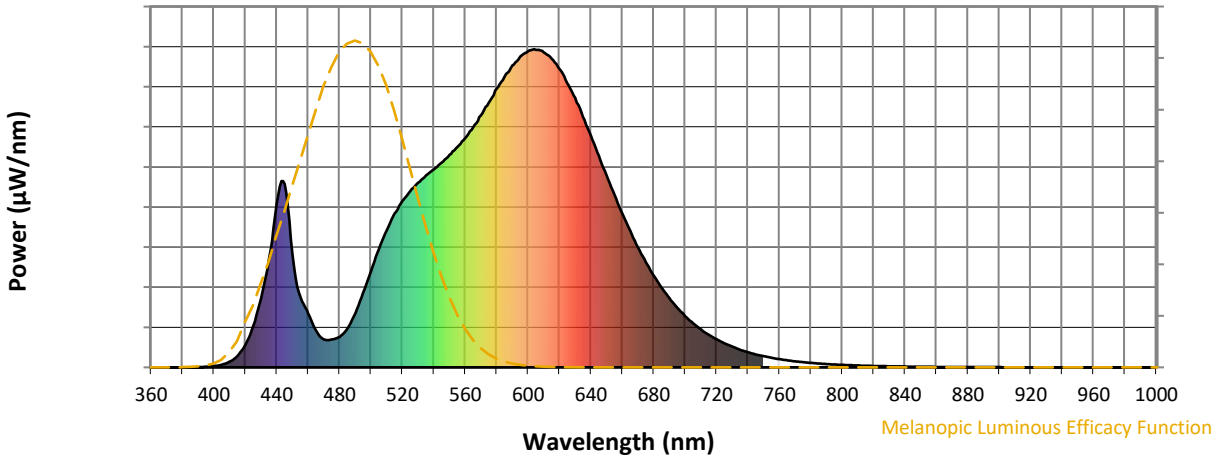


Scotopic Lumens: NR **S/P: 1.28**

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			

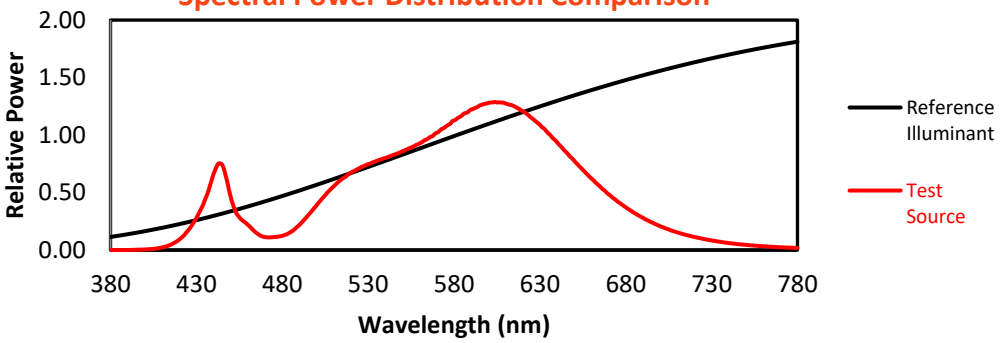
REPORT NUMBER: SP1-2407-184-9

TM-30-18

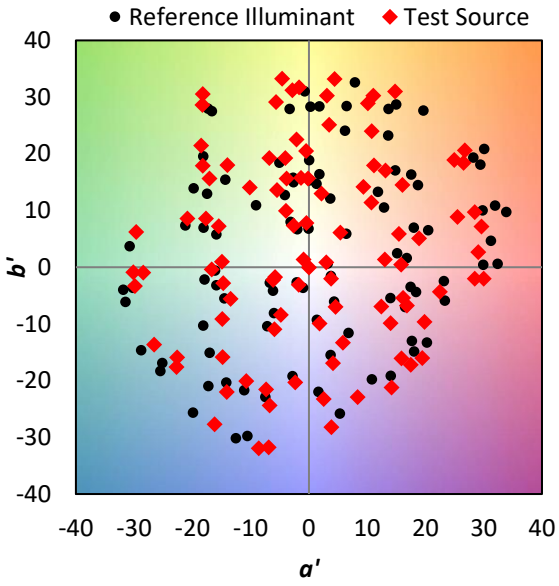
Summary

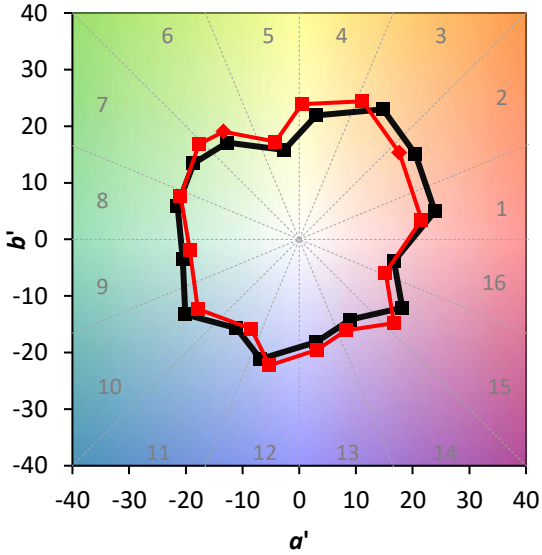
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

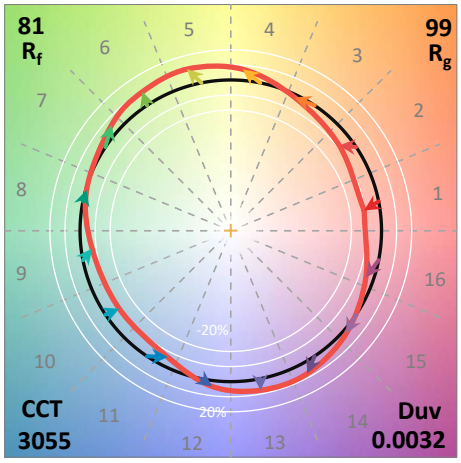
Spectral Power Distribution Comparison

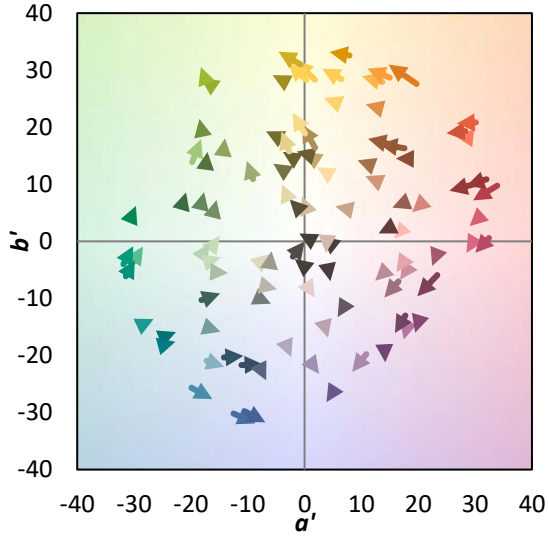


Color Vector Graphics







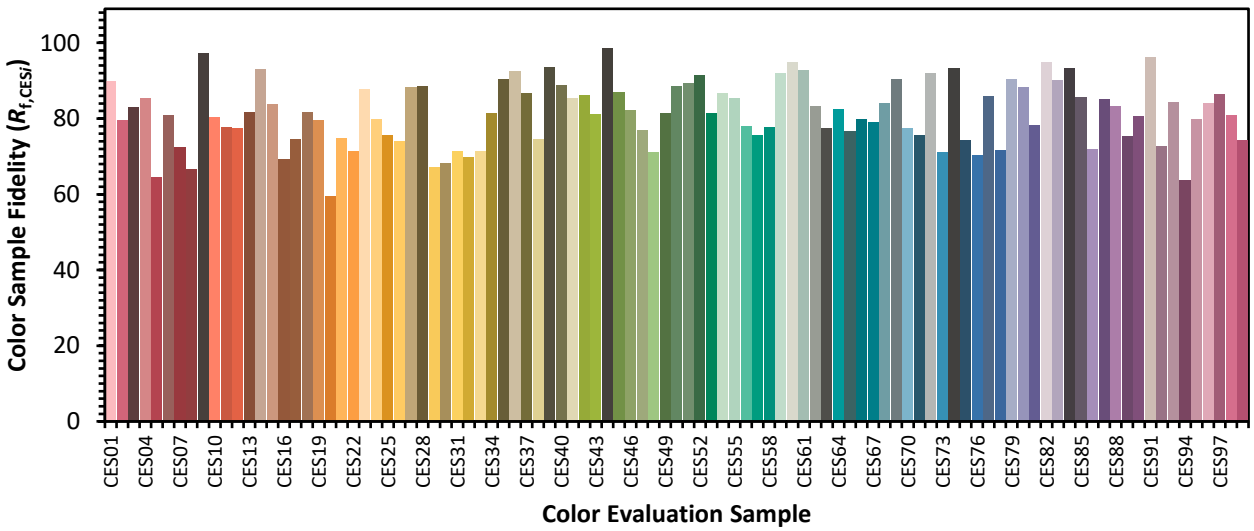


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

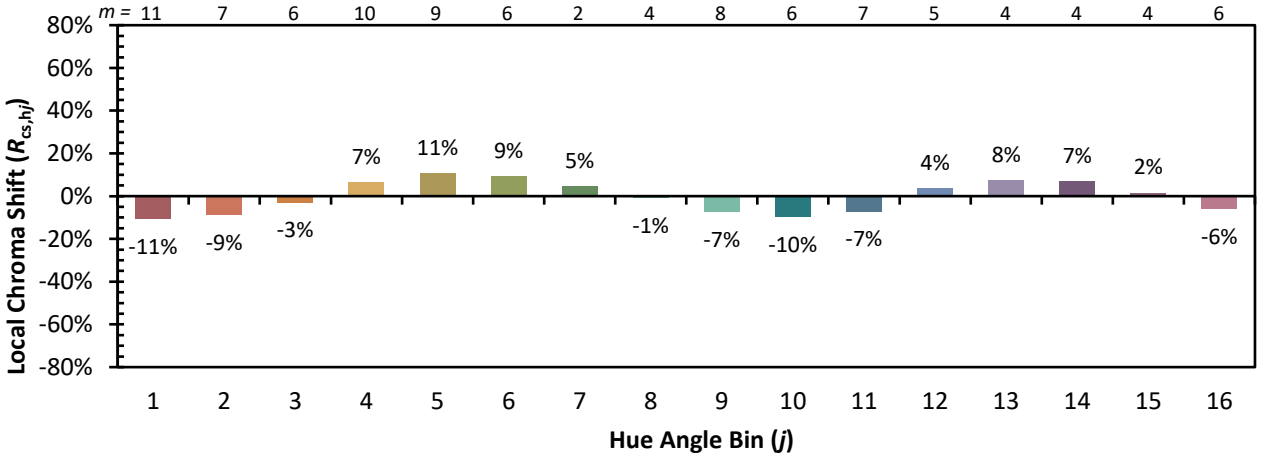
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 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
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
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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CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

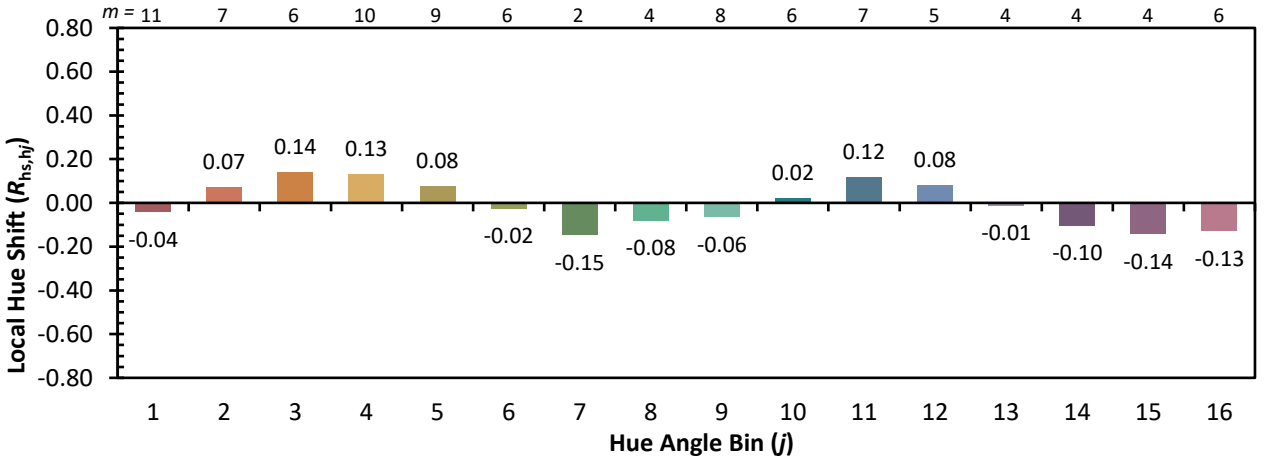


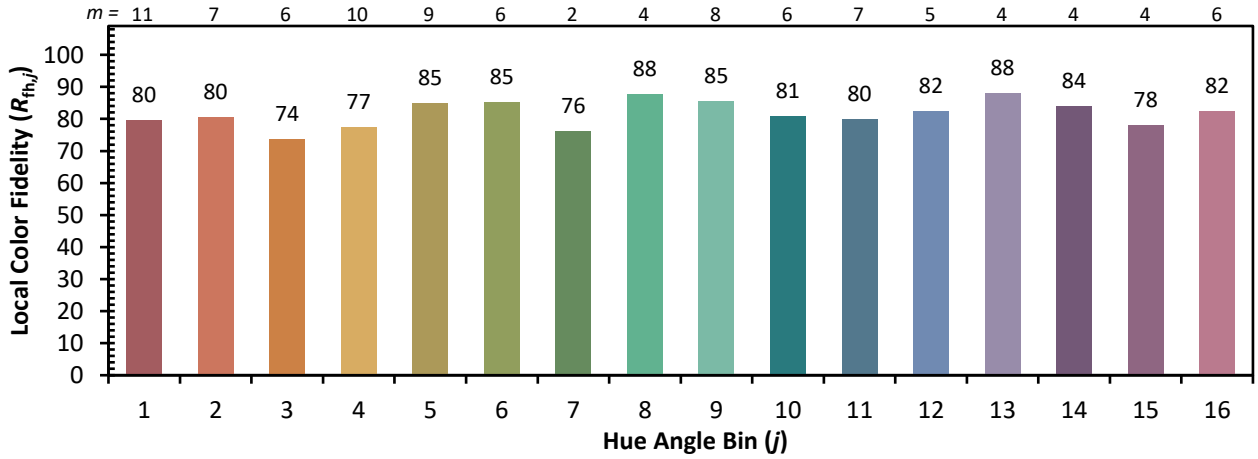
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Color Rendition by Hue-Angle Bin



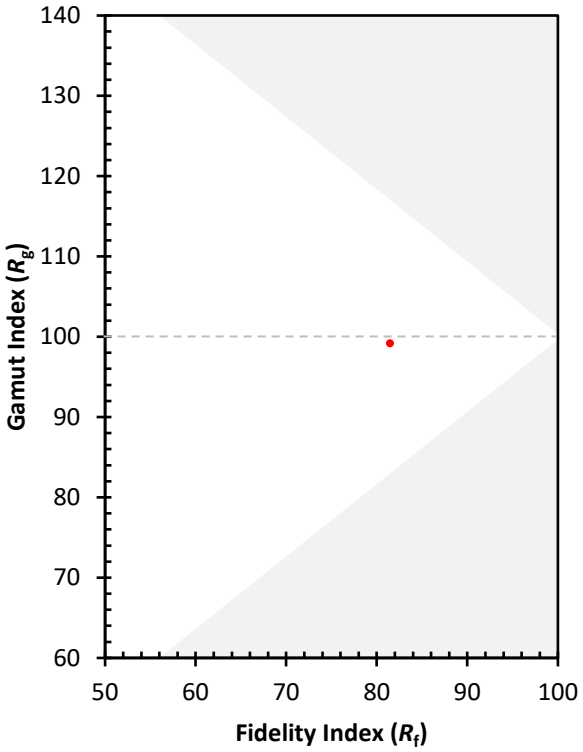


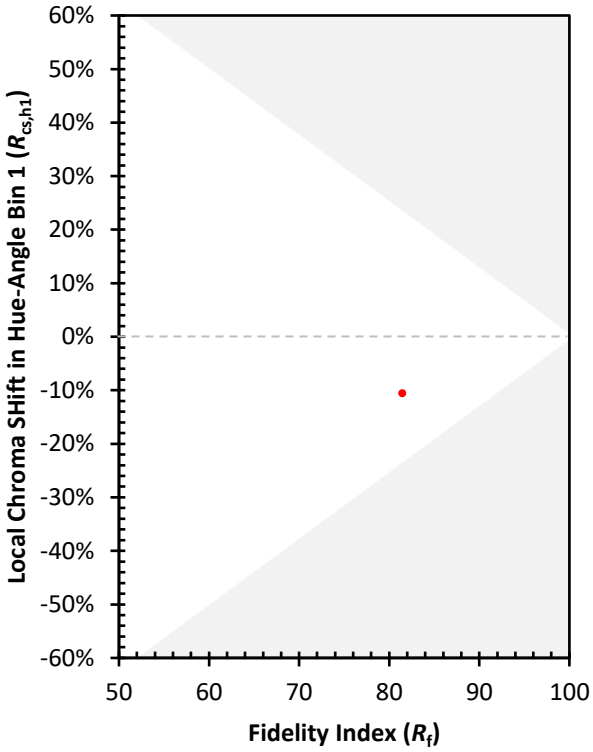


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Measure Comparisons





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